ARK MINES LTD.

ASX ANNOUNCEMENT

2nd October 2024

Updated MEASURED Mineral Resource Estimate (MRE) at Sandy Mitchell Rare Earth and Heavy Mineral Project

HIGHLIGHTS

- Measured Mineral Resource Estimate (MRE) of 71.8 Mt @ 1,732.7 ppm Monazite Equivalent calculated using a 700ppm MzEq lower cut-off grade (see Appendix A for Resource Report).

  Monazite equivalent calculation

  MzEq = 1.000 x monazite + 1.000 x xenotime + 0.361 x zircon + 0.281 x rutile + 0.165 x hi Ti leucoxene + 0.126 x lo Ti leucoxene + 0.072 x altered ilmenite + 0.065 x ilmenite. The proportions of valuable elements in recoverable economic heavy minerals are ascertained by QEM scan deportment percentages applied to all elements

  (Detailed in Appendix B Table 1 Section 2)

- Reported MzEq and HM grades are expected to support strong project economics through simple low-cost downstream processing, with reference to current market prices for monazite concentrate[1].
- The resource includes a basket of high value Heavy Minerals (HM), comprised of the following:
  - ✓ *Monazite 1,229 ppm*
  - ✓ *Xenotime 115.7 ppm*
  - ✓ *Zircon 663 ppm*
  - ✓ *Ti Minerals: Rutile 105 ppm, High Ti Leucoxene 304 ppm, low Ti Leucoxene 193 ppm, Altered Ilmenite 313.8 ppm and Ilmenite 340 ppm*
- High magnetic REO (Nd, Pr, Dy, Tb) element proportion of 25 % of the TREO basket, positioning Sandy Mitchell as one of Australia's most enriched MREO deposits.
- MRE developed from only 4.5 % of the available anomaly area at Sandy Mitchell, with 87.04 km^2 available based on an Exploration Target estimated for Sandy Mitchell of 1.3 billion tonnes to 1.5 billion tonnes @ 1250 to 1490 ppm monazite equivalent. Real and substantial potential for Mineral Resource expansion. (*The potential quantity and grade of the Exploration Target is conceptual in nature; there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in estimation of a Mineral Resource). See https://arkmines.com/asx-annoucement-sandy-mitchell-mine-020724/*
- The mineralisation is from surface to around 12m, amenable to low-cost open pit mining methods.
- First pass un-optimised beneficiation test work of the Sandy Mitchell Rare Earth sands has produced a high-grade rare earth concentrate.
- The beneficiation test work has shown the greatest upgrade is by simple gravity separation, confirming the material is amenable to straightforward beneficiation by gravity processing:
  - ✓ The final concentrate assays returned 51.9% TREO, and contained mostly La, Ce, Pr and Nd, plus Heavy Rare Earths Dy and Tb, which collectively represents a very high-value saleable product.
  - ✓ Direct cerium oxide (CeO_2) recovery from gravity feed to REM concentrate is estimated to be 71.7%, with indications that >83% may be achievable.
  - ✓ 35% of the feed mass is rejected by screening.

Table 1: ***Reported measured oxide resource for Sandy Mitchell at a 700ppm MzEq lower cut off (HGS 2024, see Appendix A).***

	Indicated Resource	Monazite Equivalent	THM	Monazite	Xenotime	Zircon	Rutile	High Ti Leucoxene	Low Ti Leucoxene	Altered Ilmenite	Ilmenite
Grade ppm		1,732.7	3,263.0	1,229.0	115.7	663.0	105.3	304.0	192.7	313.8	339.7
Tonnes	71,789,616	124,386	234,251	88,228	8,302	47,593	7,557	21,820	13,835	22,530	24,385

	Indicated Resource	Treo+Y+Sc	TREO	LREO	HREO	MagREO	CREO
Grade ppm		457.2	403.5	389.6	13.9	99.4	110.9
Tonnes	71,789,616	32,821	28,965	27,970	995	7,132	7,960

[1] https://price.metal.com/mobile/RE/spot

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September 2024 updated MRE set to underpin the completion of a Scoping Study, support the application of a Mining Licence, and accelerate ongoing strategic partnership and offtake discussions.

Executive Director Ben Emery said:

"This updated measured resource bodes well for our ambitions to get the Sandy Mitchell into production. The commercialisation pathway for Sandy Mitchell is now more clearly defined, given the fact it is the simplest REE style of deposit to mine and beneficiate. Importantly, the MzEq grades of 1,733 ppm are also indicative of potential commercial scale based on current market prices for monazite concentrate."

"With the completion of this upgraded MRE, the Ark team is now busy advancing its mine development strategy at Sandy Mitchell. Near-term milestones will be led by the pending results of our Mining Licence application and a forthcoming Scoping Study, which is well-advanced and scheduled for release in the coming weeks. The results from the Scoping Study will be incorporated into a Pre-Feasibility Study (PFS) for Sandy Mitchell which is scheduled for completion in the December quarter. As the project development accelerates, Ark is also advancing discussions with strategic partners and potential offtake customers."

"We remain of the view that Sandy Mitchell represents a significant commercial development opportunity for the Rare Earth and Heavy Minerals industry in Australia, with low-cost processing for a marketable MzEq concentrate which can be sold to processing refineries. In addition to the volume and grade of this Measured resource, it still represents a small percentage of the broader Exploration Target at Sandy Mitchell, further highlighting the project's potential as a major development opportunity."

Ark Mines Limited (ASX: AHK) is pleased to announce an updated Mineral Resource Estimate (MRE) for its Sandy Mitchell Rare Earth Elements and Heavy Minerals Project in North Queensland (see Figure 1). The Measured MRE incorporates results from Ark's initial Stage 1 drilling program completed in 2023 and stage 2 drilling (see Figure 4) for an overall 231 %, 50.1 Mt resource increase over the May 2024 MRE and a confidence classification upgrade from Indicated in the May 2024 MRE to Measured in the September 2024 MRE (see Figure 2).

The MRE was carried out by independent consultants HGS Australia in accordance with the 2012 JORC Code using variographically informed ordinary kriging coupled with an ID^2 validation model (see Appendix A). The Mineral Resource Estimate (MRE) is wholly categorised as measured and totals 71.8 Mt at 1733 ppm monazite equivalent (MzEq) using a lower cut-off grade of 700 ppm (see Table 2). Top-cuts were applied on specific elements to control statistical outliers (Appendix A for top-cut statistics).

In addition to the high value economic commodities modelled, the MRE included estimates for Arsenic (As) and Sulphur (S) for environmental considerations. The modelling shows these to be at very low levels; S (dominantly as sulphate in this oxide zone orebody) was estimated to average 143 ppm and As, a common contaminant in monazite, was estimated to average 9 ppm.

The updated MRE leaves Ark Mines well positioned to execute on its stated development strategy for Sandy Mitchell, with low-cost mining of rare earths and heavy minerals combined with low-cost downstream processing through simple gravity separation.

The grades observed in the MRE build off previous drilling results which were used for metallurgical testing by independent processing firm, Mineral Technologies. First-pass water-based beneficiation test work on air core samples returned final concentrate assays of 51.9% TREO (519,000ppm) (refer ASX Announcement 24 November 2023).

The assays contained mostly La, Ce, Pr and Nd, plus Heavy Rare Earths Dy and Tb, which collectively represents a very high value saleable product when incorporated into a basket of minerals as part of a monazite concentrate.

Metallurgical analysis subsequently commissioned by consulting firm Harrier Project Management concluded that based on the beneficiation test work by Mineral Technologies, rare earth mineral concentrate (REMC) from Sandy Mitchell will almost certainly be suitable for existing sulphuric acid baking refiners; the most widely used and understood process for treating refractory concentrates (*refer ASX Announcement 16 May 2024*).

Table 2*: Reported Measured oxide zone resource for Sandy Mitchell at a 700ppm MzEq lower cut-off in the form reported by HGS Australia (see Appendix A).*

MzEq Cut-off	Tonnes	Creo (ppm)	Hreo (ppm)	Lreo (ppm)	Magreo (ppm)	Monazite (ppm)
700ppm	71,789,616	110.9	13.9	389.6	99.4	1,229.0

MzEq Cut-off	Tonnes	Mzeq (ppm)	Treo (ppm)	Treo Y Sc (ppm)	Xenotime (ppm)	Zircon (ppm)
700ppm	71,789,616	1,733	403.5	457.2	115.7	663.0

MzEq Cut-off	Tonnes	Alt Ilmenite	Hi Ti Leucoxene	Lo Ti Leucoxene	Rutile (ppm)	Ilmenite (ppm)
700ppm	71,789,616	313.8	304.0	192.7	105.3	339.7

MzEq Cut-off	Tonnes	Sc (ppm)	Tb (ppm)	Dy (ppm)	Ho (ppm)	Er (ppm)
700ppm	71,789,616	14.93	0.9	4.8	0.9	2.5

MzEq Cut-off	Tonnes	Tm (ppm)	Yb (ppm)	Lu (ppm)	Th (ppm)	U (ppm)
700ppm	71,789,616	0.36	2.4	0.3	31.5	1.8

MzEq Cut-off	Tonnes	Zr (ppm)	Y (ppm)	Hf (ppm)	Nb (ppm)	As (ppm)
700ppm	71,789,616	323.18	24.4	8.9	14.7	9.4

MzEq Cut-off	Tonnes	Ti (ppm)	S (ppm)	Ca (ppm)	La (ppm)	Ce (ppm)
700ppm	71,789,616	3800.44	143.3	19619.6	75.1	154.7

MzEq Cut-off	Tonnes	Pr (ppm)	Nd (ppm)	Sm (ppm)	Eu (ppm)	Gd (ppm)
700ppm	71,789,616	17.38	62.0	10.9	1.3	7.2

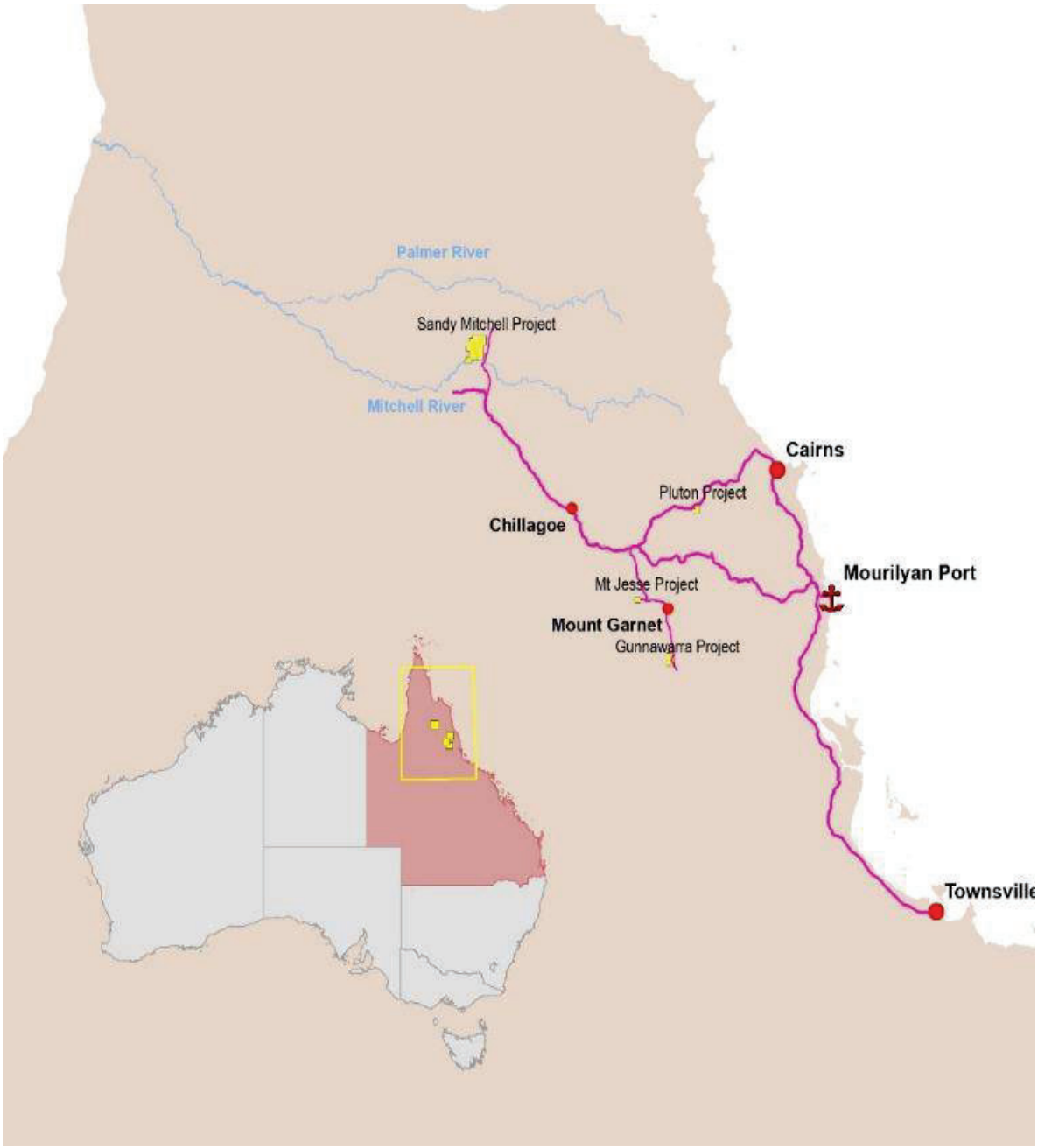

Figure 1: *Sandy Mitchell Rare Earth and Heavy Mineral Project location.*

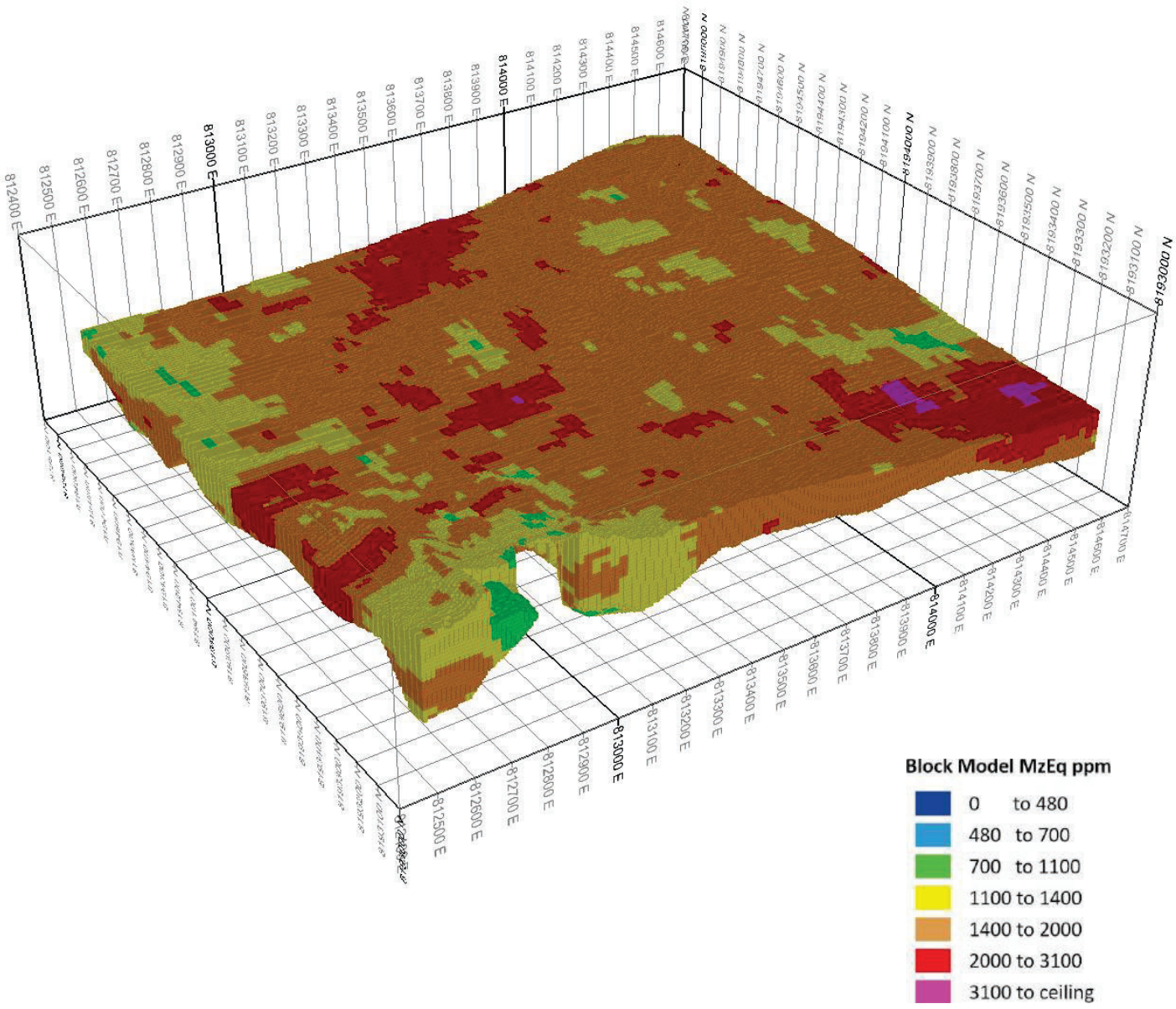

Figure 2: *Sandy Mitchell updated block model 10 x vertically exaggerated isometric view looking northeast and coloured on monazite equivalent. The block model perimeter is 4.06 km^2. The model volume is 47,172,646 m^3. The model tonnage is 71,789,616 dry metric tonnes at a mean loose dry bulk density of 1.52. The entire model is classified as Measured (see Appendix A for the HGS JORC 2012 resource report)*

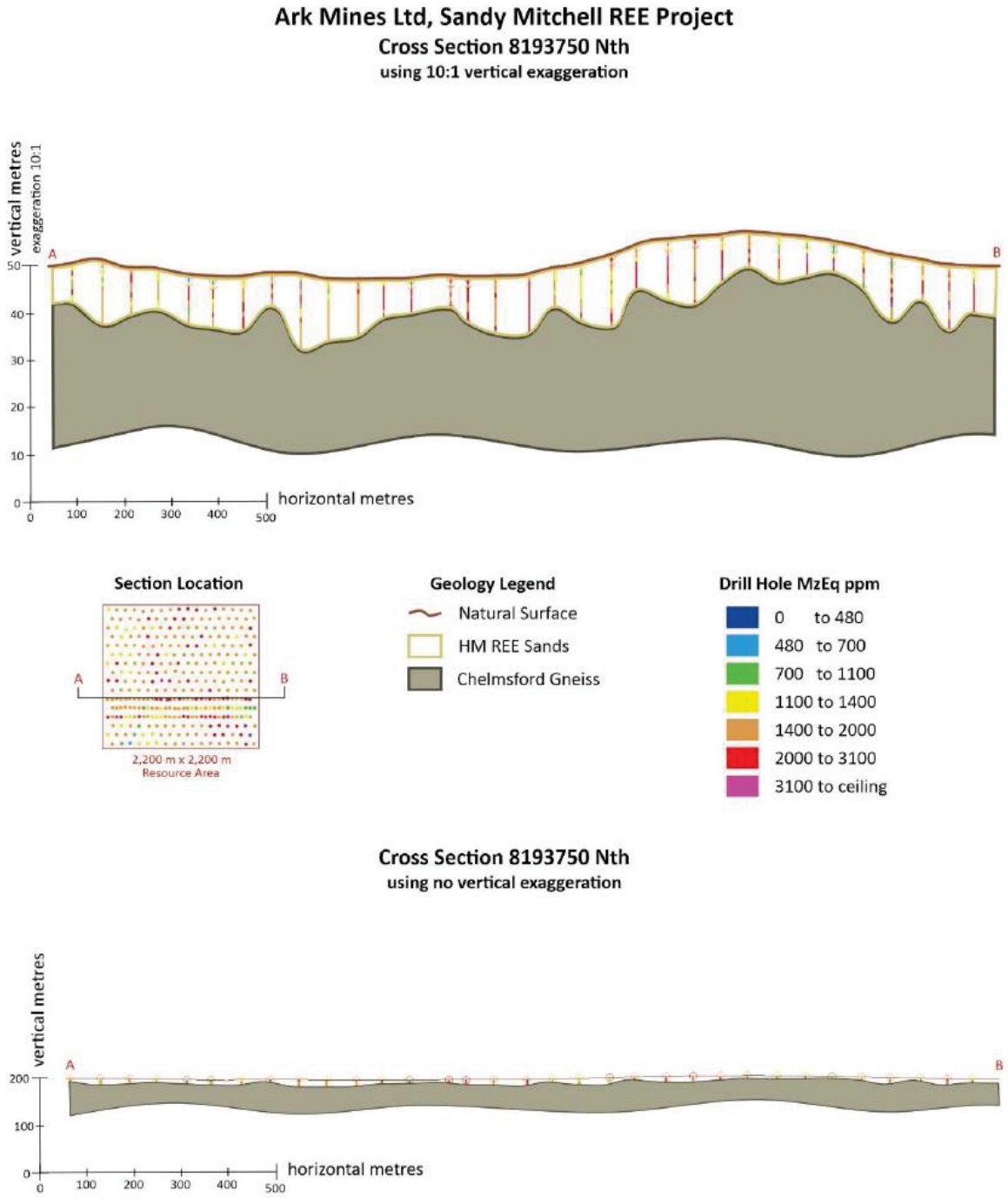

Figure 3*: Sandy Mitchell Project west to east cross section at 8193750 m north through the REE & HM sand, showing drill data from the Stage 1 resource AC drill grid coloured for monazite equivalent.*

The upper section has a vertical exaggeration of 10x to afford visibility of the drill data at the scale of the drill section. The lower section is the same section without vertical exaggeration, i.e. at true scale, illustrating why exaggeration is required to visualise the data. Note, the vertical exaggeration has the effect of magnifying topological variation as well as making the drill data visible. The lower section provides a realistic idea of the topography and basement variability of this relatively low relief terrain.

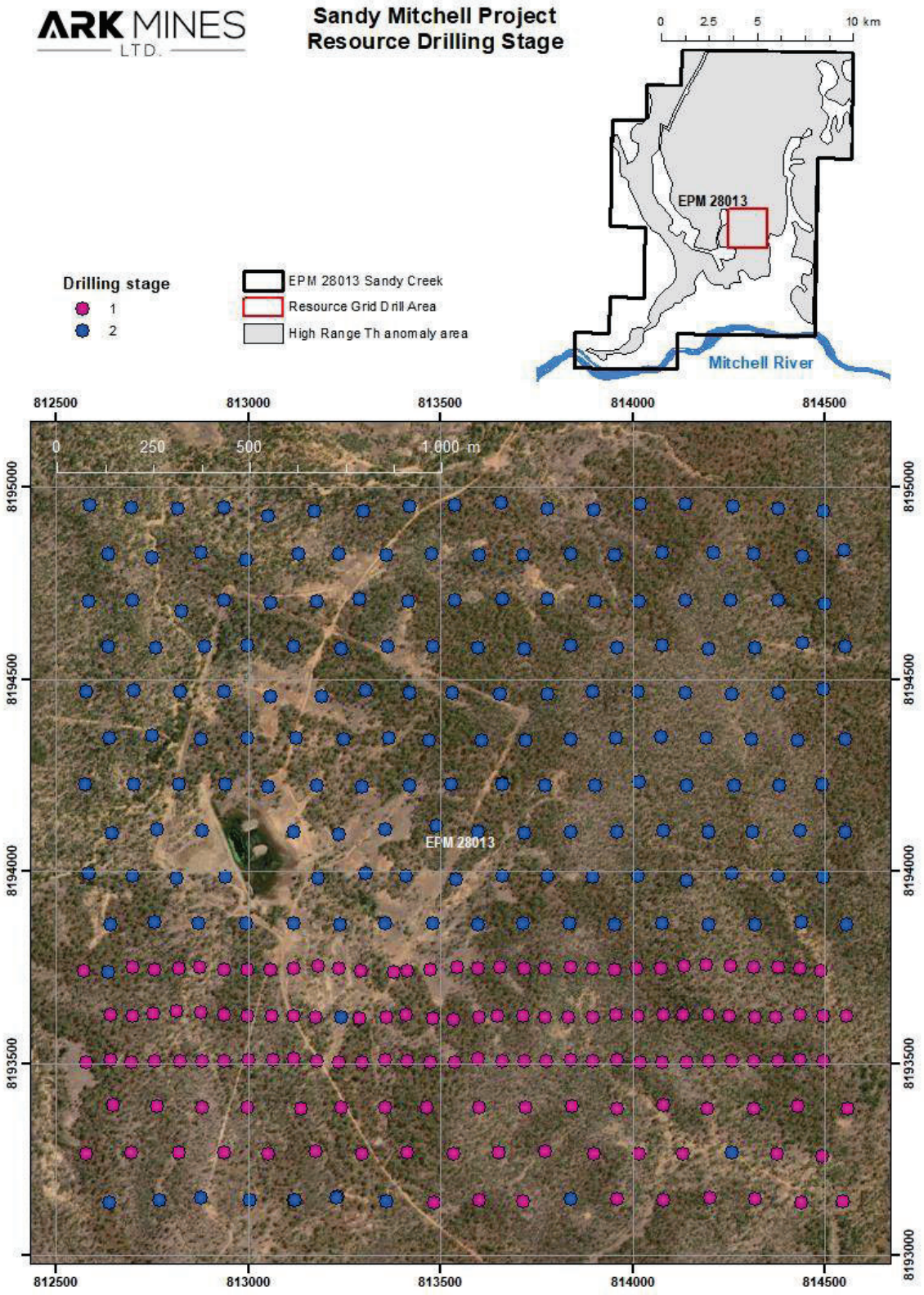

Figure 4: *Sandy Mitchell resource area showing stage 1 (pink) and stage 2 (blue) drill collars against a 500m grid.*

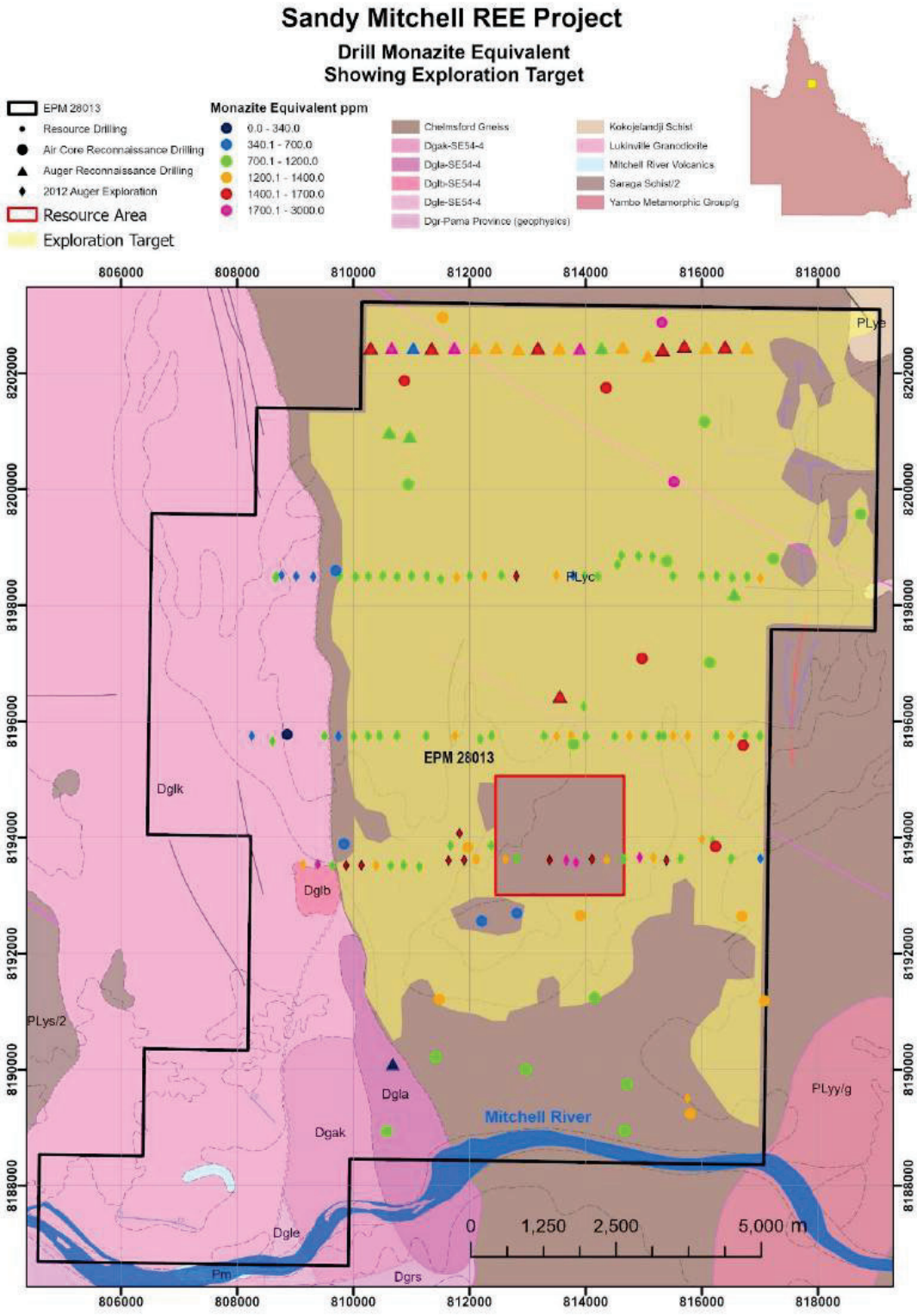

Figure 5: *Sandy Mitchell JORC 2012 Exploration Target (yellow)showing MRE area (red), from https://arkmines.com/asx-annoucement-sandy-mitchell-mine-020724/*

Ark confirms in this report that it is not aware of any new information or date that materially affects the information included in the relevant market announcement and, in the case of estimates of minerals resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

AUTHORITY FOR RELEASE

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

Roger Jackson
Executive Chairman
2nd October 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.

MINERAL RESOURCE STATEMENT

The resource estimates are classified in accordance with the Australasian Code for Reporting of Identified Mineral Resources and Ore Reserves (JORC, 2012). The Resource estimate was completed by Andrew Hawker of HGS Australia. Mr Hawker has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Hawker consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. The resource is classified as Measured. The classification was considered appropriate based on drill hole spacing, sample intervals, geological interpretation and representativeness of all available assay and density data and QAQC evaluation. The classification reflects the high confidence in short range grade estimations in the model.

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: Sandy Mitchell Resource Evaluation Report

HGS created a database from spreadsheets of collars, surveys, geology and assay data provided by Ark. A high quality QAQC sampling protocol and report was conducted by Ark and validated by HGS.

The mineral resource estimate is based on a number of factors and assumptions:

- The data was supplied by Ark in excel files.
- Validation work was conducted and the database is considered valid.
- Mineralised outlines were interpreted by HGS within the coordinates:
    - 8193000 N to 8195100 N,
    - 812400 E to 814700 E and
    - 130RL to 190RL.
- The interpretation was used in compositing the sample data.
- Sample data was composited over 1m intervals, and all 25 elements were extracted for interpolation.
- A surface topography profile was created by HGS using drill hole collars.
- The mineralisation is flat and exposes the surface to a depth of approximately 11m.
- Geological block models were constructed by HGS using Surpac. The main model cell sizes are 50m North, 25m East and 2m RL, with sub-celling to a minimum of 12.5 North, 6.25m East and 0.5m RL.
- Bulk density data was significant and sufficient to interpolate into the model.
- Ordinary Kriging interpolation method was used for the evaluation of each of the 25 elements. Inverse distance squared interpolations were conducted for validation purposes.
- High-grade cutting was conducted on outlier assays for most of the elements.
- The resource is classified as **Measured** due to data density, continuity of mineralisation, structural definition and geostatistical evaluations.

Three block models were created in Surpac (version 6.6.2 x64) due to limitations on the number of attributes that could be entered into the model. The models are identical with the only change due to interpolation process as follows:

- "sandy mitchell model sept2024.mdl". Uses Ordinary Kriging (OK) interpolation on the upper-cut datasets. This is the main reportable model.
- "sandy mitchell id2_ucut sept2024.mdl". Uses Inverse Distance squared (ID2) interpolation on the upper-cut datasets. This is used for validation purposes to compare complex and simple algorithms.
- "sandy mitchell ok_uncut sept2024.mdl". Uses Ordinary Kriging interpolation on the uncut datasets. This is used in determining the variability in models between cut and uncut datasets. A significant difference would indicate the probability of excessive upper cutting.

The monazite equivalent (MzEq) value is considered the appropriate combination for reporting due to the potential to process the ore as a concentrate for shipment, therefore providing a more representative grade.The Sandy Mitchell Mineral Resource is reported at a 700ppm MzEq lower cut-off grade. HGS considers the grade cut-off within expected mining cut-off grades. The supporting reported numbers are within the MzEq cut-off . The September Resource is classified as per JORC code as Measured as follows:

Tonnes	Mzeq	Creo	Hreo	Lreo	Magreo	Monazite	Treo	Treo Y Sc	Xenotime
71,789,616	1,732.7	110.9	13.9	389.6	99.4	1,229.0	403.5	457.2	115.7

Geology and Mineralisation

The tenement covers portion of the southern extent of the Yambo Inlier, one of the several Proterozoic inliers to the west of the Palmerville Fault System.

Rocks of the Yambo Inlier covered by the tenement comprise those of the middle Proterozoic Yambo Metamorphic Group of mainly amphibolite's and gneisses ranging in age from ~1690 Ma to ~1585Ma. These rocks have been intruded by Silurian-Devonian granites of the Lukinville Suite which form an integral part of the Cape York Batholith. Within the tenement they form a belt roughly 10 km wide trending NNW.

Governmental radiometric surveys (Bain, 1997) highlighted areas of anomalous radiometric emission within the Yambo Inlier,. The project tenements originally covered the majority of the anomalous radiometric areas, but have been reduced with systematic sampling programmes, consolidation, and reduction in the face of rising administration charges.

Prospecting and exploration by various companies from the 1980's onwards and more recent follow-up prospecting have shown that many stream systems within the Mulgrave tenements contain concentrations of rare earth minerals. These minerals have been derived from the now denuded remnant Jurassic-Cretaceous sandstone-pebble conglomerates and quartz sandstones, with the greater volumes being associated with the breakdown of the Mesoproterozoic basement rocks.

Drilling Techniques Sampling Techniques

Drilling was carried out with a Comacchio track mounted air core rig using a 100 mm air core bit sampled at 1m intervals bar the final interval, which may be less than 1m, depending on the refusal depth at the bedrock intersection.

This yields an ideal sample volume of 0.008 m^3 per metre which at the mean dry loose bulk density of 1.52 yields ideal sample of 11.94 kg/m.

Sampling Techniques

Sample was passed through a cyclone and retained by a manual gate to minimise fines loss, with the gate opened at the end of each sampling interval to pass into a collection bucket. The collection bucket was distributed across the riffles of a truck mounted 87.5/12.5 riffle splitter derive a 1.5 kg representative sample caught in a pre-numbered calico sample bag, and a 10.4 kg reject caught in a green bag and retained for pan concentrate production and for further metallurgical testing.
The splitter was cleaned after each metre. The cyclone was cleaned by air blast after each metre, and by opening and air hosing after each hole.

Isolated areas of high garnet concentrations are derived from irregular zones of highly garnetiferous dolerites and schists.

Logging and Assaying

Samples were logged by the metre on site by EES and EES provided senior geologist oversite of drilling and sampling. At the end of the programme, drill collar coordinates were picked up by Twine Surveys using RTK GPS equipment with 20mm accuracy; considered best practice.

QAQC

Quality control measure are the use of control samples and statistical analysis of assay results to ensure suitability and reliability of the assay results for their end purpose. In this case to yield assay to inform a JORC 2012 compliant resource model, estimation and report.

The QC procedures put in place were:

- A single pair of twin holes (further twins were drilled in the later stage 2 programme).
- Field duplicates at 1 in 40.
- Laboratory repeats at 1 in 8.
- Standards at 1 in 16.
- Blank flush of the LM-5 after each grind, with blanks assayed at 1 in 40.
- Grind size testing at 1 in 34.

Assaying Method

Sample was driven to the Chillagoe each night and locked up in the Ark Mines undercover laydown, where it was stored in pumpkin crates. At the end of the programme, the pumpkin crates were wrapped in plastic and transported to North Australian Laboratories (NAL) in Pine Creek, Northern Territory for assay. NAL is an Austest facility.

The sample was submitted for:

- Sodium peroxide fusion in nickel crucibles for ICP-MS assay of Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd,
- Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Sr, Pb and As.
- Sodium peroxide fusion in nickel crucibles for ICP-OES assay of Al, Ca, Cr, Fe, Mg, P, S, Si and Ti.
- Four acid digest for ICP-OES assay of Na and K.
- Gravimetric moisture measurement at a rate of 1 in 5 samples.
- Gravimetric dry loose bulk density at a rate of 1 in 3 samples.

The elements of economic interest are Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Zr, Hf, Ti ± Nb, defining the minerals monazite, xenotime, zircon, rutile and ilmenite.

The assay techniques applied are considered suitable for the elements of interest and are considered to be total digest methods.

Samples were prepared by weighing, kiln drying, re-weighing, pulverisation in LM-5 to 94% passing 75 µm, followed by two aliquots taken by laboratory splitter for fusion and four acid digest.

Metallurgical Testwork

Ark conducted metallurgical testwork following encouraging results from initial exploration and to assist with next stage development.

The work was conducted by Mineral Technologies Carrara Laboratory in Queensland and conducted on drill core samples sourced from the deposit.

The metallurgical characterisation was performed using approximately 40kg of feed material and using bench-scale equipment to assess response of the ore sample to conventional beneficiation techniques and show product purity after each stage of separation. The simulated industrial stages and their aims are listed below:

Size classification to remove slimes, trash oversize and prepare sand suitable for beneficiation, Gravity separation to recover the valuable heavy mineral components to concentrate, Mechanical attrition to clean mineral surfaces, followed by froth flotation to extract rare earth minerals, Magnetic separation to perform a final upgrade of the flotation rare-earth concentrate.

A table of the mass yield relative to the as-received feed sample, intermediate and final product assays after each sequential fraction are reported below.

Progressive characterisation mass and assays.

Product Description	% Mass to feed	Al_2O_3 %	CeO_2 %	Fe_2O_3 %	P_2O_5 %	SiO_2 %	TiO_2 %	U+Th ppm	$Zr(Hf)O_2$ %
Run of Mine	100	14.7	0.04	2.40	0.05	73.6	0.34	62	0.02
Gravity Feed	51.0	13.9	0.05	2.31	0.06	76.5	0.34	72	0.03
Gravity Concentrate	0.58	46.8	2.61	4.22	3.04	33.7	1.34	5,580	2.36
Flotation Concentrate	0.42	51.9	2.92	1.48	3.48	32.6	0.59	5,720	1.21
REM concentrate	0.04	4.46	23.3	2.47	24.9	5.99	1.58	47,080	0.28

The CeO2 content, used a tracer for rare-earth bearing minerals monazite, is upgraded from 0.04% in the as-received feed to 23.3% in the cleanest product.
Each processing stage increases the CeO2 content, with the most significant upgrade achieved by the gravity concentration stages (from 0.05% to 2.61%, corresponding to an upgrade ratio of 52:1).
Upgrade from the flotation of the gravity concentrate is small.
Similar upgrade trends are observed for ZrO2.
The majority of the TiO2 and Al2O3 minerals are rejected through the process stages.

A table of the rare earth elemental composition of the gravity feed sample, intermediate and final product is reported below

Progressive characterisation mass and Rare-Earth-Oxides assays.

Product Description	% Mass to Grav. Fd	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Y_2O_3 ppm	TREO %
Gravity Feed	100.0	216	462	55	204	3	11	45	0.11
Gravity Concentrate	1.13	12,784	27,516	3,153	11,407	139	512	1,880	6.10
REM concentrate	0.08	109,891	235,853	26,942	97,393	1,176	4,109	13,843	51.9

The final concentrate assays 51.9% TREO, and contained mostly heavy rare-earth elements La, Ce, Pr and Nd.

Direct CeO2 recovery from gravity feed to REM concentrate is estimated to be 71.7%.

It is noted that approximately 16.9% of Ce-minerals were stranded in laboratory test work intermediate streams which would normally be recycled in a continuous operation, thereby suggesting overall recovery of 83.8% may be achieved.

Additional metallurgical testwork conducted in August 2024 was Quantitative Automated Mineralogical Analysis conducted on Two Size Fractions of Composite Feed +2.85sg. A final report on the work was not available at the time of writing but a summary of the results is as follows:

- Two size fractions (+250 µm and -250 µm) of a sample labelled 'Composite Feed +2.85 SG' from the Sandy Mitchell Project were submitted for assay and QEMSCAN analysis.
- The sample is dominated by biotite (51.6 %), garnet (10.5 %) and 'goethite/limonite' 12.4 % which together account for 74.5 % of the sample.
- The elemental deportment data for titanium (Ti) indicates that 68.8 % of the Ti is contributed by biotite (spectral analysis of the QEMSCAN data estimates that the Ti content of the biotite is about 2 %).
- The investigation also found that a high proportion of the rutile through to ilmenite occurs in impure particles, mainly associated with silicates; only 4.5 % of the Ti occurs in clean Ti-rich particles.
- Similar data is presented in the report for:
    - Ce, La, Nd which is mainly hosted by monazite.
    - Y which is mainly hosted by xenotime.
    - Zr and Hf which are exclusively contained in zircon.
    - The sample will be submitted for LA-ICP-MS analyses of key mineral groups to confirm the compositions of the monazite, xenotime, and zircon and also to provide more information on:
    - the Pr, Sm, and heavy rare earth elements (HREE) (which are assumed to be hosted by monazite).
    - the Yb (which is likely to be contributed by the xenotime).
    - the U (which is likely to be contributed by the zircon).
    - the Th (which is probably contained in monazite).

Classification

The classification for this resource is conducted according to JORC 2012 guidelines. HGS considers the resource to be sufficiently drilled to be classified as measured. The reasons are:

- Consistency of the drilling data on a 100m x 100m staggered pattern is such that any infill drilling will have no impact on the structure or grade distribution. Mineralisation and interpretation is consistent throughout the drilling area.
- Quality control and quality assurance of the drilling was conducted to a high level industry standard that can identify issues in drilling methods and laboratory assaying. There were no issues raised regarding the method of drilling, quality of the sampling or laboratory preparation and assaying.
- Collar pickups were conducted by a qualified surveyor.
- Drill density is sufficient to have good understanding mineralisation controls.
- There is a strong recognition of the geological controls on the mineralisation.
- Variability in the grade distribution is sufficient to create quality variograms.
- A good degree of metallurgical understanding.
- Shallow mineralisation from surface indicates a simple and cheap mining method.

Mineral Resource

The monazite equivalent (MzEq) value is considered the appropriate combination for reporting due to the potential to process the ore as a concentrate for shipment, therefore providing a more representative grade.

The Sandy Mitchell Mineral Resource is reported at a 700ppm MzEq lower cut-off grade. HGS considers the grade cut-off within expected mining cut-off grades. The supporting reported numbers are within the MzEq cut-off.

Reported resource for Sandy Mitchell at a 700ppm MzEq lower cut-off.

Tonnes	MzEq (ppm)	Creo (ppm)	Hreo (ppm)	Lreo (ppm)	Magreo (ppm)	Monazite (ppm)	Treo (ppm)	Treo+Y+Sc (ppm)	Xenotime (ppm)
71,790,000	1,732.7	110.9	13.9	389.6	99.4	1,229.0	403.5	457.2	115.7

Model Validation

The model was validated via the following:

1. Interpolation method comparisons: The complex Kriging interpolation process was compared to a relatively simple interpolation process of Inverse Distance Squared (ID2). A variation in anticipated but should be relatively close.
2. Trend analysis plots. This is a graphical comparison of the drill data to the block data on even sections. The 2 sets of data should be relatively close to each other.
3. Visual data comparisons. This involves looking at the data in cross sections and comparing the drill assays to the block grades. The interpolated block data should trend similarly to the drill grades.

Appendix B: 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	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a*	Ark Mines May to June 2023 Sandy Mitchell programme sampling techniques: • 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.

Criteria	JORC Code explanation	Commentary
	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.	Ark Mines November to December 2023 Sandy Mitchell programme sampling techniques: • 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, at the same diameter. • The bedrock horizon was determined by geological chip logging supported by driller's run sheet records of penetration. Ark Mines December 2023 Sandy Mitchell auger programme: • All sampling methodologies were as per the June programme, but the drilling was via 100mm auger using 105mm bit sampled on 1m intervals. • Bedrock was not intersected and depth was constrained by penetration. • No concentrate or metallurgical samples were produced
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	Ark Mines May to June 2023 Sandy Mitchell programme: • 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. Ark Mines November to December 2023 Sandy Mitchell programme: • 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. Ark Mines November to December 2023 Sandy Mitchell auger programme sampling techniques: • Drilling was by Rockmaster utility mounted auger using 100mm flights and 105mm bit. • All holes were vertical and drilled to refusal whilst still in sands.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: • 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 been identified. Ark Mines November to December 2023 Sandy Mitchell auger programme sampling techniques:

Criteria	JORC Code explanation	Commentary
		• Recoveries were not estimated and the samples wit potential contamination by outside return, are treated as soils.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: • 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. Ark Mines November to December 2023 Sandy Mitchell programme sampling techniques: • Sample was logged by the metre for basic qualitative criteria only.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material*	Ark Mines May to June 2023 Sandy Mitchell programme: • 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 the entire 87.5% bulk metre sample after riffle splitting to yield the representative sample and removal of the 1kg pan concentrate aliquot. Ark Mines November to December 2023 Sandy Mitchell programme: • 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. Ark Mines November to December 2023 Sandy Mitchell auger programme sampling techniques: • Sample was funneled up by spiral flights through a closed steel collar tube, to a collector plate, then funneled

Criteria	JORC Code explanation	Commentary
	being sampled.	through a chute to a plastic collection tub. • 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 was allowed to spill. • 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.

Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*
	• *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.*
	• *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.*
		Ark Mines May to June 2023 Sandy Mitchell programme:
		• 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 94% passing 75 µm with assay aliquot selected by laboratory splitter.
		• Al, Ca, Cr, Fe, Mg, P, S, Si and Ti were assayed by sodium peroxide fusion in nickel crucibles with ICP-OES finish.
		• Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Sr, Pb and As were assayed by sodium peroxide fusion in nickel crucibles with ICP-MS finish.
		• Na and K were assayed by 4 acid digest with ICP-OES finish.
		• Field duplicates were taken at 1:40 by 50:50 riffle split of the assay aliquot.
		• For total digest samples:
		  • Laboratory repeats were assayed at than 1 in 8.
		  • Standard insertion was carried out by the laboratory at 1 in 24.
		  • Assay of blank quartz flushes was carried out at 1 in 40.
		  • Grind size testing was carried out at 1 in 34.
		• For pan concentrate samples
		  • 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:
		  • 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

Criteria	JORC Code explanation	Commentary
		grind • Portable XRF analysis of the pulp • QAQC implemented is believed sufficient to establish accuracy and precision with any batches showing QAQC anomalies retested by batch. • Mineral Technologies preliminary met' samples were processed at bench scale by: • 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: • 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.

Criteria	JORC Code explanation	Commentary

		Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme:
		• Metre samples were sent to North Australian Laboratories (NAL) for total digest assay:
		• Samples were weighed then kiln dried and re-weighed.
		• 1 in 10 samples was tested for moisture content.
		• 1 in 10 samples was tested for LOI.
		• 1 in 3 samples was tested for dry loose bulk density.
		• Sample was then pulverization in an LM-5 to 94% passing 75 µm with assay aliquot selected by laboratory splitter.
		• Al, Ca, Cr, Fe, Mg, P, S, Si and Ti were assayed by sodium peroxide fusion in nickel crucibles with ICP-OES finish.
		• Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Sr, Pb and As were assayed by sodium peroxide fusion in nickel crucibles with ICP-MS finish.
		• Na and K were assayed by 4 acid digest with ICP-OES finish.
		• Field duplicates were taken at 1:40 by 87.5:12.5 riffle split of the bulk reject.
		• For total digest samples:
		  • Laboratory repeats were requested at no less than 1 in 40 but carried out by the laboratory at 1 in 8.
		  • Standard insertion was carried out by the laboratory at 1 in 24.
		  • Assay of blank quartz flushes was requested at 1 in 40.
		  • Grind size testing was carries out at 1 in 34.
		• Total radiometric count, K%, U ppm and Th ppm was measured on all assay samples using an RSI RS-230 103 cm^3 bismuth germanate oxide crystal high sensitivity hand held spectrometer, purchased for the Project and, pre-calibrated.
		• Reading times were 30 second accumulations, with 20x30 second background accumulations taken per day, per measuring station, one set before and one set after measurement.
		
		Ark Mines December 2023 Sandy Mitchell auger programme sampling techniques:
		• Laboratory, analytical procedures, analytes and QC were identical to that described for the AC programme above .

Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic)*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme (including auger): • Significant intersections have not been separately determined or reported. • 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 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.

Criteria	JORC Code explanation	Commentary

	protocols.
	• *Discuss any adjustment to assay data.*
		• 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:
		  • **TREO** = La2O3 + Ce02 + Pr6O11 + Nd2O3 + Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3
		  • **CREO** = Nd2O3 + Eu2O3 + Tb4O7 + Dy2O3 + Y2O3
		  • **LREO** = La2O3 + Ce02 + Pr6O11
		  • **HREO** = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3
		  • **MagREO =** Pr6O11 + Nd2O3 + Tb4O7 + Dy2O3
		  • **Where stated as +Y and or +Sc,** the calculated values above have the addition of Y2O3 and or Sc2O3
		  • ND/Pr = Nd2O3 + Pr6O11
		  • TREO – Ce = TREO – CeO2
		  • %NdPr + NdPr/TREO
		• Economic heavy minerals, monazite, xenotime, zircon, rutile, high titanium leucoxene, low titanium leucoxene, altered ilmenite and ilmenite are potentially marketable materials contained in the mineralisation as demonstrated by IHC pan concentrate work and Downer Mineral Technologies gravity concentration work and ALS QEM Scan work to date.
		• Assay data yielding elemental concentrations for rare earths (REE), Zr, Hf and Ti within the sample are converted to their stoichiometric heavy mineralogy in a calculation performed using the conversion factors in the table below. For elements that occur in more than one mineral, the proportions of occurrence in each were reported by ALS (ALS Mineralogy Report MIN 6943, 2024 for Mineral Technologies, commissioned by Ark Mines) and the assayed element is assigned by a percentage determined by these proportion, into the appropriate mineral species.
		• The following calculated mineralogy has been used for reporting:
		  • **Monazite** = (98.7 / 100 * La) * 1.6837 + (98.7 / 100 * Ce) * 1.6778 + (99.4 /100 * Pr) * 1.6740 + (99.4 / 100 * Nd) * 1.6584 + (99.4 / 100 * Sm) * 1.6316 + (99.4 / 100 * Eu) * 1.6250 + (99.4 / 100 * Gd) * 1.6039 + (99.8 / 100 * Th) * 1.4093 + (0.97 / 100 * Ca) * 3.3696
		  • **Xenotime** = (99.8 / 100 * Sc) * 3.1125 + (99.8 / 100 * Y) * 2.0682 + (99.8 / 100 * Tb) * 1.5976 + (99.8 / 100 * Dy) * 1.5844 + (99.8 / 100 * Ho) * 1.5758 + (99.8 / 100 * Er) * 1.5678 + (99.8 / 100 * Tm) * 1.5622 + (99.8 / 100 * Yb) * 1.5488 + (99.8 / 100 * Lu) * 1.5428
		  • **Zircon** = (100 / 100 * Hf) * 1.5159 + (100 / 100 * Zr)

Criteria	JORC Code explanation	Commentary

* 2.0094
- **Rutile** = = (1.66 / 100 * Ti) * 1.6685
- **Hi Ti Leucoxene** = (4.10 / 100 * Ti) * 1.9507
- **Lo Ti Leucoxene** = (2.48 / 100 * Ti) * 2.0448
- **Altered Ilmenite** = (2.97 / 100 * Ti) * 2.7805
- **Ilmenite** = (2.82 / 100 * Ti) * 3.1694

- Stoichiometric Oxide 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

- Stoichiometric Mineral Table:

Mineral Name	Assay Element	Chemical Formula	Stoichiometric Factor
Monazite	Y	Y(PO4)	2.0682
Monazite	La	La(PO4)	1.6837
Monazite	Ce	Ce(PO4)	1.6778
Monazite	Pr	Pr(PO4)	1.6740
Monazite	Nd	Nd(PO4)	1.6584
Monazite	Sm	Sm(PO4)	1.6316
Monazite	Th	Th(PO4)	1.4093
Monazite	Ca	Ca(PO4)	3.3696
Xenotime	Y	Y(PO4)	2.0682
Xenotime	Sc	Sc(PO4)	3.1125
Xenotime	Eu	Eu(PO4)	1.6250
Monazite	Gd	Gd(PO4)	1.6039
Xenotime	Tb	Tb(PO4)	1.5976
Xenotime	Dy	Dy(PO4)	1.5844
Xenotime	Ho	Ho(PO4)	1.5758
Xenotime	Er	Er(PO4)	1.5678
Xenotime	Tm	Tm(PO4)	1.5622
Xenotime	Yb	Yb(PO4)	1.5488
Xenotime	Lu	Lu(PO4)	1.5428
Zircon	Zr	Zr(SiO4)	2.0094
Zircon	Hf	Hf(SiO4)	1.5159

Criteria	JORC Code explanation	Commentary
		<table><tr><td>Rutile</td><td>Ti</td><td>TiO2</td><td>1.6685</td></tr><tr><td>Hi Ti Leucoxene</td><td>Ti</td><td>$Ti_3O_3(OH)_6.TiO_2$</td><td>1.9507</td></tr><tr><td>Lo Ti Leucoxene</td><td>Ti</td><td>$Ti_3O_3(OH)_6$</td><td>2.0448</td></tr><tr><td>Altered Ilmenite</td><td>Ti</td><td>$Fe_2Ti_3O_9$</td><td>2.7805</td></tr><tr><td>Ilmenite</td><td>Ti</td><td>FeTiO3</td><td>3.1694</td></tr></table> • Because other elements can occur in both xenotime and monazite, the calculation for these minerals should be considered the minimum. • Because Ti and to a far lesser extent Zr, can occur in other minerals not included in calculation, the calculated mineralogy for these elements should be considered a maximum. • However, in all case the quantity of economic heavy mineral is modified by the QEM Scan deportment percentage in the above table, such that only that percentage of each element that occurs in recoverable economic minerals is used to calculate the quantity and concentration of oxide or mineral.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: • An initial collar survey by hand held GPS was conducted as a failsafe, with expected accuracy of ±5000mm in x and y, and ±50000mm in z. • Full survey by Twine Surveys was subsequently carried out using RTKdGPS with accuracy of ±20mm in x and y, and ±200mm 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. Ark Mines December 2023 Sandy Mitchell auger programme: • Collar survey was by hand held GPS with expected accuracy of ±5000mm in x and y, and ±50000mm in z.
Data spacing and distribution	• *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*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: • 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 *Laboratory Tests.* • Representative metre samples for total digest assay were not composited, residual sub-metre hole ends were similarly assayed separately to preserve geometric representation. Ark Mines December 2023 Sandy Mitchell auger programme:

Criteria	JORC Code explanation	Commentary
	applied.	• Data spacing was approx. 360m. • 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	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *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.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme (including auger): • Deposit type is unconsolidated restite sand derived by in-situ weathering, sometimes called saprolite sand, with minor perturbation by small scale fluvial channels. • The applied vertical sampling is the optimal orientation for the deposit type. • No bias by orientation or spatial relationships has been identified.
Sample security	• *The measures taken to ensure sample security.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme (including auger): • 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 except for auger samples where rejects were not collected.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme: • 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

Criteria	JORC Code explanation	Commentary
		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 by reviewing 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. • EES noted that the extensive QAQC in both Stage 1 and @ resource drilling, as well as reconnaissance drilling, was of good quality without significant bias, and showed that the data was fit for use in resource estimation in terms of accuracy, precision and bias. • EES noted that the reconnaissance auger data correlated within acceptable limits with the AC data and showed no undue bias or significant contamination, given the short hole depths, metre sampling and full QC suite.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• EPM 28013 Sandy Mitchell is 100% owned by Ark Mines Limited and was purchased on the 23rd of February 2023. • This tenement was formally EPM18308. • There are no third party agreements. • No known issues impeding on the security of the tenure of Ark Mines ability to operate in the area exist.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	A number of companies and individuals have explored the area for gold and base metals and for heavy minerals. The summaries presented below are from the IRTM source: • ATP 597M was granted to Laskan Minerals Pty Ltd in 1969 over the Reid Creek area, north of the Mitchell River. From assays of rock chip and stream sediment samples, it was concluded that there was little chance of economic mineralisation occurring in the Authority. Although good monazite grades were obtained, the samples were from creeks with little available wash. Good concentrations of monazite and ilmenite were present in large areas of sandy, alluvial sheet wash in the Reid's Creek area. It was believed that there was a potential for economic exploitation if the monazite concentrations occurred in a large enough volume of sandy material. No further work was reported. • In 1970, Altarama Search Pty Ltd was granted ATP 833M over the Mitchell River in the Reid Creek, Sandy Creek and Mount Mulgrave Homestead area. Four hundred stream sediment samples, at an average density of 1.25 samples/km^2, were collected for assay. Copper and lead contents were low. Half of the zinc results were considered to be possibly anomalous. A two population distribution was obtained for zinc, with a standard threshold of about 15 ppm. It was suggested that the two population distributions represented normal

Criteria	JORC Code explanation	Commentary
		background ranges present in different strata. No other work was carried out. • ATP 2580M was granted to Tacam Pty Ltd over Sandy Creek and its tributaries. Stream sediment samples averaged 0.18% monazite (0.01 to 0.45%), 0.07% rutile (0.15% in terraces), and 0.06% zircon (0.14% in terraces). The area had low economic potential and the Authority was abandoned in August 1981. • The principals involved in Tacam Pty Ltd combined with Metcalfe Holdings Pty Ltd in 1986 to take up 4 Authorities to Prospect - 4400,4401,4402 and 4403 centred on Mt Mulgrave, Arkara Creek, Sandy Creek and the Kennedy River respectively. The investigations were for the possibility of locating large-scale heavy minerals in association with major drainages and lower slope eluvial deposits associated with Cretaceous weathering as indicated in previous investigations. EPM 4400, 4401, 4402 and 4403 • Barron and O'Toole focused on Mt Mulgrave for Ilmenite, rutile, REE, Monzonite, Zircon, and Gold.Tenement EPM 4400 consisted of 96 sub-blocks centred on Mount Mulgrave (7665, 7765), EPM 4401 consisted of 97 sub-blocks centred on Arkara Creek (7665), EPM 4402 consisted of 100 sub- blocks centred on Sandy Creek (7665) and EPM 4403 consisted of 86 sub-blocks centred on Kennedy River (7666, 7766) were granted to P.T.C. Barron, A. O'Toole and Metcalfe Holdings Pty Ltd on 22 September 1986 to explore for heavy minerals and precious metals. After three years of exploration the EPMs were surrendered on 22 August 1989. • Tenement EPM 10185 consisted of 157 sub-blocks was granted to Palmer Gold Pty Ltd on 25 October 1994 for an initial 2 year period. The exploration permit was renewed for a further 3 years on 25 October 1996 and surrendered on 3 October 2001. The tenement was situated 200km west of Cooktown. Rationale Significant gold-silver, tin and base metal deposits are known from the Georgetown and southern Dargalong Inliers to the south of EPM 10185 (e.g. Etheridge, Croydon and Oaks goldfields), from the Hodgkinson Province to the east (e.g. Palmer, Hodgkinson, Russell River, Starcke, Jordon Ck, Mareeba and Mount Peter goldfields, and Herberton-Mt Garnet tinfield), and the Coen Inlier to the north (e.g. Alice River & Potallah goldfields).

Criteria	JORC Code explanation	Commentary
		However, other than brief reference to sub-economic alluvial gold occurrences near the junction of the Palmer and Mitchell Rivers, and in the Staaten, Lynd and Walsh Rivers (Culpeper 1993), no precious or base metal deposits are known to occur within rocks of the Yambo Inlier. Application for the area was made after structural interpretation of the region showed prospectivity for gold occurrence. Base metal anomalies delineated from previous exploration were also targeted for follow-up work. • In 2007 exploration activity was carried out by BHP Billiton Minerals Pty Ltd under an extremely large area (2,850 sub-blocks) of the Coen Yambo area from 2005 to 2007. EPM's 14438 and 14445 covered the majority of the Yambo Inlier. BHP targeted Ni sulphide and PGM and carried out AEM surveying, field mapping and sampling and drilling. The AEM targets were found to be related to sedimentary lithological units or obvious shear zones. • In 2007 - 2009 - MTY Resources Ltd undertook bulk sampling program along with a Panned Concentrate sampling program. • In 2012 Waverley Nominees undertook an Augur sampling program.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The tenement covers a portion of the southern extent of the Yambo Inlier, one of the several Proterozoic inliers to the west of the Palmerville Fault System. Rocks of the Yambo Inlier covered by the tenement comprise those of the middle Proterozoic Yambo Metamorphic Group of mainly amphibolites and gneisses ranging in age from ~1690 Ma to ~1585 Ma. • The dominant Yambo member on the tenement is the Chelmsford Gneiss, and this is thought to be the source of REE sands. • These rocks have been intruded by Silurian-Devonian granites of the Lukinville Suite which form an integral part of the Cape York Batholith. Within the tenement they form a belt roughly 10 km wide trending NNW. • Extensive intrusions of Carboniferous-Permian dolerites occur throughout the Inlier, with only a few occurrences within the tenement. • The tenement is largely gold deficient except for the gold reporting to sediments within the Palmer River to the north. Recent Governmental radiometric surveys have highlighted areas of anomalous

Criteria	JORC Code explanation	Commentary
		radiometric emission within the Yambo Inlier. The project tenements cover the majority of the anomalous radiometric areas. • The project area in the tenement has a 3 to 25m, average 10.3m (stage 1 drilling) to 12.3m (stage 2 drilling), covering of disaggregated fine to very fine sand with sparse pebble or cobble horizons. These sands carry REE as monazite and lesser xenotime, zircon, rutile, illmenite and garnet. The sands are believed to derive from weathering of the Chelmsford Gneiss, with minimal fluvial transport largely constrained to the upper 2m. There is minor clay in the top 1 to 2m of sand which extends from daylight to the bedrock.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* o *easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole* o *down hole length and interception depth* o *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• Ark Mines 2023 drill data, refer to table in Appendix C
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths*	• No high or Low-grade top/bottom-cut has been applied to the data presented in Appendix C, which is the total data set. • REE Equivalent TREO (total REE oxides) is reported as this is the industry standard for presentation of REE data. Stoichiometric calculation of REE oxide equivalents were performed in units of ppm, with TREO, LREO (light REE oxides), HREO (heavy REE Oxides), CREO (critical REE oxides) and Mag REO (magnet production REE oxides), as per Table 1 page 5 to 7, yielding these factors as concentrations and percentages of TREO concentration. These are

Criteria	JORC Code explanation	Commentary
	of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	modified by the elemental deportment percentages tabulated in Table 1 Sectio 1, which reduces the reported assay to only that percentage which is contained in economic heavy minerals. • Calculated mineralogy reduced by the deportment percentages is used to derive a monazite equivalent, which represents the economic heavy minerals proportional to their value (as determined by an analysis of extensive market data), with respect the concentration of monazite. • The assayed elements, coupled with QEMSCAN element proportions in ALS Job No: *MIN6934*, 2024 for Downer Mineral Technologies, allow calculation of monazite, xenotime, zircon, rutile, high titanium leucoxene, low titanium leucoxene, altered ilmanite and ilmenite concentrations stoichiometrically, as described in Table 1 Part 1 • The ratio of 5 year median values of these minerals to monazite, yields a table of unitless factors:

Mineral		Ratio
monazite		1.000
xenotime		1.000
zircon		0.361
rutile	TiO_2 > 95%	0.281
hi Ti leucoxene	TiO_2 > 85%	0.165
lo Ti leucoxene	TiO_2 > 70%	0.126
altered ilmenite	TiO_2 > 55%	0.072
ilmenite	TiO_2 > 50%	0.065

• These factors are applied to the corresponding separate mineral concentrations in PPM for a given element assay, and the results are summed to give a monazite equivalent in PPM for that assay:

MzEq = 1.000 * monazite + 1.000 * xenotime + 0.361 * zircon + 0.281 * rutile + 0.165 * hi Ti leucoxene + 0.126 * lo Ti leucoxene + 0.072 * altered ilmenite + 0.065 * ilmenite

• If the stoichiometric conversions to mineral mass, the QEM deportment to economic heavy minerals, and the monazite equivalent factors are applied as a single equation, this can be expressed as:

MzEq = 1.000 * ((98.7 / 100 * La) * 1.6837 + (98.7 / 100 * Ce) * 1.6778 + (99.4 /100 * Pr) * 1.6740 + (99.4 / 100 * Nd) * 1.6584 + (99.4 / 100 * Sm) * 1.6316 + (99.4 / 100 * Eu) * 1.6250 + (99.4 / 100 * Gd) * 1.6039 + (99.8 / 100 * Th) * 1.4093 + (0.97 / 100 * Ca) * 3.3696) + **1.000** * ((99.8 / 100 * Sc) * 3.1125 + (99.8 / 100 * Y) * 2.0682 + (99.8 / 100 * Tb) * 1.5976 + (99.8 / 100 * Dy) * 1.5844 +

Criteria	JORC Code explanation	Commentary
		(99.8 / 100 * Ho) * 1.5758 + (99.8 / 100 * Er) * 1.5678 + (99.8 / 100 * Tm) * 1.5622 + (99.8 / 100 * Yb) * 1.5488 + (99.8 / 100 * Lu) * 1.5428) + **0.361** * ((100 / 100 * Hf) * 1.5159 + (100 / 100 * Zr) * 2.0094) + **0.281** * ((1.66 / 100 * Ti) * 1.6685) + **0.165** * ((4.10 / 100 * Ti) * 1.9507) + **0.126** * ((2.48 / 100 * Ti) * 2.0448) + **0.072** * ((2.97 / 100 * Ti) * 2.7805) + **0.065** * ((2.82 / 100 * Ti) * 3.1694) • The basket of heavy mineral concentrations is equated proportional to monazite concentration. These proportions are set by their respective average market values across the 2024 financial year, which was found to be well representative of the market data set from 2016 to date when outliers had been excluded as calculated using the Z test. • The monazite equivalent purpose is to afford relative data and grade comparison and assessment as a concertation, and does not directly represent actual product value. Its main benefit is simplification of interpretation of a complex data set and reduction of human error. • The cutoff grade is calculated on monazite equivalent (Mz Eq) which allows the value in the potentially saleable commodities to be tied together in a single calculation, and visible in the drill data in a single instance. • The cutoff grade applied is 700 ppm Mz Eq.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Ark Mines May to June 2023 drill data shows no regular variation in REE distribution beyond the top 1m where obvious and avoidable fluvial action may result in some supergene enrichment or silt deposition based dilution. • The mineralisation is essentially flat lying, and thus intercept width on the vertical holes drilled is at or approaching the geometric minimum width, which is optimal. • Consequently, only down hole length are reported and these are equivalent to true thickness.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Diagrams as appropriate accompany the announcement

Criteria	JORC Code explanation	Commentary
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• Appendix C, contains the total data set.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• All data material to this report that has been collected to date has been reported textually, graphically or both.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Ark plans further resource estimation based on the November to December 2023 drilling when assays are returned. • Ark plans further gravity beneficiation and metallurgical test work on a larger sample basis, investigating several different techniques to determine optimal processing. • Ark also plans pilot plant test work and other feasibility studies. • Ak plans further auger reconnaissance works across the tenement.

Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	• *Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.*	• The database was created by HGS Australia for the purpose of conducting a resource evaluation. • The resource evaluation was conducted by HGS Australia

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td></td><td>• Data validation procedures used.</td><td></td></tr>
<tr><td>Site visits</td><td>• Comment on any site visits undertaken by the Competent Person and the outcome of those visits.
• If no site visits have been undertaken indicate why this is the case.</td><td>• No site visits were conducted by HGS Australia</td></tr>
<tr><td>Geological interpretation</td><td>• Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.
• Nature of the data used and of any assumptions made.
• The effect, if any, of alternative interpretations on Mineral Resource estimation.
• The use of geology in guiding and controlling Mineral Resource estimation.
• The factors affecting continuity both of grade and geology.</td><td>• The resource area has been sufficiently interpreted by geological consultants and the geology matches grade and geological interpretations as anticipated.
• Criteria used in the interpretations were:
  • Interpretations were based on the MzEq (monzonite equivalent) grade defined from element ratios and formulas.
  • A nominal 700ppm MzEq lower cut-off grade with flexibility for geological continuity.
  • Sections extended half the distance from the previous section.</td></tr>
<tr><td>Dimensions</td><td>• The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</td><td>• Mineralised outlines were interpreted by HGS within the coordinates:
  ○ 8193000N – 8195100N
  ○ 812400E – 814700E
  ○ 130mRL – 190mRL</td></tr>
<tr><td>Estimation and modelling techniques</td><td>• The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of</td><td>• The models were created using Surpac software.
• Reported Interpolation method used is Ordinary Kriging
• Interpolation validation method of inverse distance squared was conducted as a check.
• Grade cutting was variable within the 24 elements due to significant outliers. A list of the cut elements are as follows:
<table>
<tr><th>Element</th><th>High Grade Cut Used</th></tr>
<tr><td>Sc</td><td>50</td></tr>
<tr><td>Y</td><td>87</td></tr>
<tr><td>La</td><td>295</td></tr>
<tr><td>Ce</td><td>No cutting</td></tr>
<tr><td>Pr</td><td>71</td></tr>
</table></td></tr>
</table>

Criteria	JORC Code explanation	Commentary

computer software and parameters used.

- *The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.*
- *The assumptions made regarding recovery of by-products.*
- *Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).*
- *In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.*
- *Any assumptions behind modelling of selective mining units.*
- *Any assumptions about correlation between variables.*
- *Description of how the geological interpretation was used to control the resource estimates.*
- *Discussion of basis for using or not using grade cutting or capping.*
- *The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.*

Nd	207
Sm	41
Eu	10
Gd	23
Tb	No Cutting
Dy	22
Ho	No cutting
Er	12.3
Tm	No Cutting
Yb	13.5
Lu	No cutting
Th	180
U	10
Zr	1400
Hf	65
Nb	76
As	85
Ti	15800
S	5100
Ca	133400

Type	Northing	Easting	Elevation
Minimum Coordinates	8193000	812400	130
Maximum Coordinates	8195100	814700	190
User Block Size	50	25	2
Min. Block Size	12.5	6.25	0.5
Rotation	0	0	0
Total Blocks	331730		
Storage Efficiency %	95.52		

- Model sizes and parameters are:

Attribute Name	Type	Decimals	Background	Description
alt_ilmenite	Float	2	0	Calculation for Altered Ilmenite
creo	Float	2	0	calculated CREO
hi_ti_leucoxene	Float	2	0	Calculated Hi Ti Leucoxene
hreo	Float	2	0	calculated HREO
ilmenite	Float	2	0	Calculated Ilmenite

Criteria	JORC Code explanation	Commentary				
		lo_ti_leucoxene	Float	2	0	Calculated Lo Ti Leucoxene
		lode	Integer	-	0	Lode = 1 waste=0
		lreo	Float	2	0	calculated LREO
		magreo	Float	2	0	calculated MagREO
		monazite	Float	2	0	Calculated monazite
		mzeq	Float	2	0	Calculated Monazite Equivilent MzEq
		ok1	Float	2	0	Sc interpolation using Ordinary Kriging
		ok10	Float	2	0	Tb interpolation using Ordinary Kriging
		ok11	Float	2	0	Dy interpolation using Ordinary Kriging
		ok12	Float	2	0	Ho interpolation using Ordinary Kriging
		ok13	Float	2	0	Er interpolation using Ordinary Kriging
		ok14	Float	2	0	Tm interpolation using Ordinary Kriging
		ok15	Float	2	0	Yb interpolation using Ordinary Kriging
		ok16	Float	2	0	Lu interpolation using Ordinary Kriging
		ok17	Float	2	0	Th interpolation using Ordinary Kriging
		ok18	Float	2	0	U interpolation using Ordinary Kriging
		ok19	Float	2	0	Zr interpolation using Ordinary Kriging
		ok2	Float	2	0	Y interpolation using Ordinary Kriging
		ok20	Float	2	0	Hf interpolation using Ordinary Kriging
		ok21	Float	2	0	Nb interpolation using Ordinary Kriging
		ok22	Float	2	0	As interpolation using Ordinary Kriging
		ok23	Float	2	0	Ti interpolation using Ordinary Kriging
		ok24	Float	2	0	S interpolation using Ordinary Kriging
		ok25	Float	2	0	Ca interpolation using Ordinary Kriging
		ok3	Float	2	0	La interpolation using Ordinary Kriging
		ok4	Float	2	0	Ce interpolation using Ordinary Kriging
		ok5	Float	2	0	Pr interpolation using Ordinary Kriging
		ok6	Float	2	0	Nd interpolation using Ordinary Kriging
		ok7	Float	2	0	Sm interpolation using Ordinary Kriging
		ok8	Float	2	0	Eu interpolation using Ordinary Kriging
		ok9	Float	2	0	Gd interpolation using Ordinary Kriging

Criteria	JORC Code explanation	Commentary

		<table><tr><td>rutile</td><td>Real</td><td>-</td><td>0</td><td>calculated rutile</td></tr><tr><td>sg</td><td>Float</td><td>2</td><td>0</td><td>interpolated density data</td></tr><tr><td>treo</td><td>Float</td><td>2</td><td>0</td><td>calculated TREO</td></tr><tr><td>treo_y_sc</td><td>Float</td><td>2</td><td>0</td><td>calculated TREO + Y + Sc</td></tr><tr><td>xenotime</td><td>Float</td><td>2</td><td>0</td><td>calculated xenotime</td></tr><tr><td>zircon</td><td>Float</td><td>2</td><td>0</td><td>calculated zircon</td></tr></table>
		• The interpolation pass parameters used are as follows for all elements:
		  • Pass 1: 6-30 samples 100m max search
		  • Pass 2: 3-30 samples 200m max search
		  • Pass 3: 1-30 samples 500m max search

Moisture	• *Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.*	• Tonnages were estimated as dry basis
Cut-off parameters	• *The basis of the adopted cut-off grade(s) or quality parameters applied.*	• Univariate statistics were conducted. Upper cut determinations were conducted from histograms and probability plots.
Mining factors or assumptions	• *Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.*	• Resource economics identifies the probable lower cut-off to be 700ppm MzEq • The resource is flat and exposes the surface to a max depth of 15m. The anticipated mining method will be either excavator, continuous minor or scrapers. Blasting is not considered. A large scale cheap mining method can be employed and all mineralisation will be considered for this evaluation.

Criteria	JORC Code explanation	Commentary
Metallurgical factors or assumptions	• *The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.*	• Ark conducted metallurgical testwork following encouraging results from initial exploration and to assist with next stage development. • The work was conducted by Mineral Technologies Carrara Laboratory in Queensland and conducted on drill core samples sourced from the deposit. • The metallurgical characterisation was performed using approximately 40kg of feed material and using bench-scale equipment to assess response of the ore sample to conventional beneficiation techniques and show product purity after each stage of separation. The simulated industrial stages and their aims are listed below: • Size classification to remove slimes, trash oversize and prepare sand suitable for beneficiation, Gravity separation to recover the valuable heavy mineral components to concentrate, Mechanical attrition to clean mineral surfaces, followed by froth flotation to extract rare earth minerals, Magnetic separation to perform a final upgrade of the flotation rare-earth concentrate. • The final concentrate assays 51.9% TREO, and contained mostly heavy rare-earth elements La, Ce, Pr and Nd. • Direct CeO2 recovery from gravity feed to REM concentrate is estimated to be 71.7%. • It is noted that approximately 16.9% of Ce-minerals were stranded in laboratory test work intermediate streams which would normally be recycled in a continuous operation, thereby suggesting overall recovery of 83.8% may be achieved.
Environmen-tal factors or assumptions	• *Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts*	• No assessments have been made yet

Criteria	JORC Code explanation	Commentary
	should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.	
Bulk density	• *Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.* • *The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.* • *Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.*	• Bulk densities for 495 samples were conducted from the drill program and interpolated into the model. Densities ranged from 1.24t/m³ to 1.92 t/m³ with an average of 1.52 t/m³
Classification	• *The basis for the classification of the Mineral Resources into varying confidence categories.* • *Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).* • *Whether the result appropriately reflects the Competent Person's view of the deposit.*	• The classification for this resource is conducted according to JORC 2012 guidelines. HGS considers the resource to be sufficiently drilled to be classified as **measured**. The reasons are: • Consistency of the drilling data on a 100m x 100m staggered pattern is such that any infill drilling will have no impact on the structure or grade distribution. Mineralisation and interpretation is consistent throughout the drilling area. • Quality control and quality assurance of the drilling was conducted to a high level industry standard that can identify issues in drilling methods and laboratory assaying. There were no issues raised regarding the method of drilling, quality of the sampling or laboratory preparation and assaying. • Collar pickups were conducted by a qualified surveyor. • Drill density is sufficient to have good understanding mineralisation controls. • There is a strong recognition of the geological controls on the mineralisation. • Variability in the grade distribution is sufficient to create quality variograms. • A good degree of metallurgical understanding.

Criteria	JORC Code explanation	Commentary
		• Shallow mineralisation from surface indicates a simple and cheap mining method. • The results reflect the competent person.
Audits or reviews	• *The results of any audits or reviews of Mineral Resource estimates.*	• None available
Discussion of relative accuracy/ confidence	• *Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.* • *The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.* • *These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.*	• The competent person has confidence in the interpretation with regards to accuracy for the classification announced. • The interpolation process was run in inverse distance squared to compare a complex algorithm to a simple one. •

Appendix C: Sandy Mitchell Stage 1 complete assay return

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

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00035	814555.6	8193860.2	163.9	0	1	20	1377.7	3259.4	720.4	110.8	1067.5	114.1	329.4	208.9	340.2	368.1	386.1	437.2	374.1	12.0	98.4	93.5	27.6
SMDH 00035	814555.6	8193860.2	163.9	1	2	40	1323.9	3115.7	699.0	111.6	990.6	110.2	318.2	201.8	328.6	355.6	416.5	468.5	404.5	12.0	104.8	97.7	26.0
SMDH 00035	814555.6	8193860.2	163.9	2	3	40	2389.6	3928.7	1843.5	104.2	854.5	94.4	272.7	172.9	281.6	304.8	418.9	467.4	406.7	12.2	109.5	102.6	21.4
SMDH 00035	814555.6	8193860.2	163.9	3	4	50	2500.8	3437.5	2164.8	76.7	485.1	59.6	172.1	109.1	177.7	192.3	282.6	318.0	273.1	9.5	76.2	70.8	15.3
SMDH 00035	814555.6	8193860.2	163.9	4	5	70	1730.1	2906.3	1331.7	90.3	545.4	78.7	227.3	144.1	234.7	254.0	390.8	432.1	379.8	11.0	100.0	98.5	19.9
SMDH 00035	814555.6	8193860.2	163.9	5	6	50	1904.7	3044.1	1496.9	95.0	580.4	73.1	211.1	133.8	217.9	235.9	359.0	403.1	347.4	11.6	98.7	90.0	18.4
SMDH 00035	814555.6	8193860.2	163.9	6	7	75	1254.8	2234.8	885.7	111.7	457.2	65.4	188.9	119.8	195.1	211.1	357.4	408.7	343.2	14.2	103.2	90.2	21.4
SMDH 00035	814555.6	8193860.2	163.9	7	8	90	1490.6	2378.5	1136.4	93.3	514.5	53.2	153.6	97.4	158.6	171.6	338.4	381.7	327.2	11.2	93.3	83.8	18.4
SMDH 00035	814555.6	8193860.2	163.9	8	9	90	2242.9	3272.1	1811.0	103.7	690.1	55.9	161.6	102.4	166.8	180.5	419.0	467.3	407.4	11.6	112.9	107.8	23.0
SMDH 00035	814555.6	8193860.2	163.9	9	10	70	1685.4	3032.7	1181.7	129.3	702.6	85.4	246.7	156.4	254.8	275.7	350.1	410.5	336.5	13.6	98.9	85.9	30.6
SMDH 00035	814555.6	8193860.2	163.9	10	11	98	1886.7	3237.4	1380.6	145.7	650.4	88.9	256.8	162.8	265.2	287.0	362.0	429.4	345.6	16.4	103.8	86.2	33.7
SMDH 00035	814555.6	8193860.2	163.9	11	12	80	1798.5	3178.2	1271.0	181.2	584.9	95.7	276.3	175.2	285.2	308.7	443.5	527.7	424.3	19.2	125.7	106.9	44.4
SMDH 00035	814555.6	8193860.2	163.9	12	13	90	1610.6	2781.7	1179.9	125.8	536.6	78.8	227.5	144.2	234.9	254.2	391.4	450.1	377.8	13.6	110.2	98.7	29.1
SMDH 00035	814555.6	8193860.2	163.9	13	14	85	1375.2	2454.8	1010.4	88.9	475.8	73.8	213.0	135.0	219.9	238.0	171.8	213.8	165.4	6.4	48.4	43.0	29.1
SMDH 00035	814555.6	8193860.2	163.9	14	15	90	1028.9	1721.0	822.6	29.7	304.2	47.3	136.7	86.7	141.1	152.7	58.8	72.5	56.1	2.6	16.7	13.4	9.2
SMDH 00035	814555.6	8193860.2	163.9	15	15.5	50	1218.8	2036.1	953.9	27.5	463.7	49.6	143.1	90.7	147.7	159.9	47.7	60.3	45.3	2.4	13.1	10.0	9.2
SMDH 00035	814555.6	8193860.2	163.9	15.5	16	50	1218.8	2036.1	953.9	27.5	463.7	49.6	143.1	90.7	147.7	159.9	47.7	60.3	45.3	2.4	13.1	10.0	9.2
SMDH 00036	814439.2	8193866.4	163.1	0	1	30	1453.5	2701.8	1069.3	76.7	508.3	87.8	253.6	160.8	261.9	283.4	300.6	335.9	291.0	9.6	81.8	76.2	15.3
SMDH 00036	814439.2	8193866.4	163.1	1	2	60	1319.4	3184.5	685.6	119.8	957.6	119.2	344.2	218.2	355.3	384.6	401.2	456.4	385.2	15.9	119.9	104.9	19.9
SMDH 00036	814439.2	8193866.4	163.1	2	3	50	1319.9	2804.8	800.9	82.7	860.7	88.9	256.7	162.8	265.1	286.9	328.1	366.4	318.1	10.0	90.4	85.7	16.8
SMDH 00036	814439.2	8193866.4	163.1	3	4	60	3319.0	4454.7	2978.1	77.2	403.7	83.5	241.1	152.8	248.9	269.4	189.0	225.2	182.4	6.6	50.3	47.1	23.0
SMDH 00036	814439.2	8193866.4	163.1	4	5	60	1308.8	2929.9	837.0	96.6	571.8	119.4	344.9	218.7	356.1	385.4	260.5	306.1	253.6	6.9	64.4	63.5	32.1
SMDH 00036	814439.2	8193866.4	163.1	5	6	80	2333.3	3512.2	1996.4	70.1	393.8	88.2	254.7	161.5	262.9	284.6	183.3	216.2	178.5	4.8	45.5	45.9	24.5
SMDH 00036	814439.2	8193866.4	163.1	6	7	60	3075.4	3831.1	2833.2	70.3	255.6	56.3	162.7	103.1	168.0	181.8	182.3	215.4	177.0	5.3	46.7	44.8	23.0
SMDH 00036	814439.2	8193866.4	163.1	7	8	80	1616.6	2854.4	1277.6	61.8	403.4	93.2	269.1	170.6	277.9	300.8	151.5	180.8	147.9	3.5	36.1	35.8	23.0
SMDH 00036	814439.2	8193866.4	163.1	8	9	98	1928.6	3603.4	1406.4	83.6	776.1	112.1	323.8	205.3	334.3	361.8	337.9	376.9	329.9	8.0	81.9	82.6	23.0
SMDH 00036	814439.2	8193866.4	163.1	9	10	70	1422.5	2590.4	1114.4	40.0	404.0	86.5	249.9	158.4	258.0	279.2	98.9	117.8	96.2	2.6	25.3	23.8	13.8
SMDH 00036	814439.2	8193866.4	163.1	10	11	90	1586.1	2996.7	1213.4	61.3	443.0	107.2	309.7	196.4	319.8	346.1	167.0	195.9	162.4	4.6	41.1	39.5	19.9
SMDH 00036	814439.2	8193866.4	163.1	11	12	95	2248.8	4493.3	1618.9	94.3	850.5	161.8	467.2	296.2	482.4	522.1	445.0	488.1	434.1	10.9	109.4	111.7	23.0
SMDH 00036	814439.2	8193866.4	163.1	12	13	80	2373.5	4803.6	1714.8	80.4	915.3	175.5	506.8	321.3	523.2	566.3	220.5	258.3	213.9	6.6	57.8	54.3	24.5
SMDH 00036	814439.2	8193866.4	163.1	13	14	98	2160.2	3802.3	1639.5	107.5	699.9	113.6	328.2	208.1	338.8	366.7	400.9	451.1	390.3	10.6	101.5	98.2	27.6
SMDH 00036	814439.2	8193866.4	163.1	14	15	90	1472.0	2725.5	1106.6	103.3	340.5	98.5	284.5	180.4	293.7	317.9	263.4	311.5	253.7	9.7	71.2	64.2	29.1
SMDH 00036	814439.2	8193866.4	163.1	15	16	80	1593.8	2726.6	1213.4	120.7	390.9	84.0	242.5	153.8	250.4	271.0	363.1	418.6	348.7	14.4	100.3	87.5	26.0
SMDH 00036	814439.2	8193866.4	163.1	16	17	90	1959.3	3464.4	1476.5	96.7	668.7	102.5	296.0	187.7	305.6	330.8	385.8	430.9	375.6	10.2	97.8	94.5	23.0
SMDH 00036	814439.2	8193866.4	163.1	17	18	95	2315.5	4101.0	1776.1	97.2	735.5	125.1	361.3	229.1	373.0	403.7	361.6	407.2	351.1	10.4	92.7	85.7	21.4
SMDH 00036	814439.2	8193866.4	163.1	18	18.5	90	2309.3	4484.7	1599.9	133.3	1031.3	144.2	416.5	264.1	430.0	465.4	277.5	340.1	263.5	14.0	89.5	69.5	30.6
SMDH 00036	814439.2	8193866.4	163.1	18.5	19	90	2309.3	4484.7	1599.9	133.3	1031.3	144.2	416.5	264.1	430.0	465.4	277.5	340.1	263.5	14.0	89.5	69.5	30.6
SMDH 00037	814316.8	8193860.8	165.0	0	1	20	1736.5	3436.8	904.5	99.1	1833.2	50.3	145.2	92.1	150.0	162.3	578.5	623.3	563.1	15.5	153.8	152.2	12.2
SMDH 00037	814316.8	8193860.8	165.0	1	2	40	1622.6	3174.3	1038.7	137.4	865.1	95.0	274.3	173.9	283.3	306.6	538.4	602.1	521.5	16.9	147.1	131.7	26.0
SMDH 00037	814316.8	8193860.8	165.0	2	3	50	1422.8	2508.0	1053.1	63.2	584.0	67.7	195.6	124.0	201.9	218.5	224.0	253.5	217.4	6.6	60.1	54.6	15.3
SMDH 00037	814316.8	8193860.8	165.0	3	4	80	2668.3	3708.5	2362.8	64.6	367.7	76.6	221.1	140.2	228.3	247.1	353.5	383.4	346.8	6.7	82.7	84.7	16.8
SMDH 00037	814316.8	8193860.8	165.0	4	5	80	2815.2	4214.8	2380.6	98.2	539.5	100.3	289.7	183.7	299.1	323.7	444.5	489.7	433.8	10.7	109.2	107.9	24.5
SMDH 00037	814316.8	8193860.8	165.0	5	6	70	1609.5	2665.1	1308.8	46.2	409.6	75.5	218.0	138.2	225.1	243.6	227.0	248.6	223.1	3.9	51.0	52.2	13.8
SMDH 00037	814316.8	8193860.8	165.0	6	7	60	1363.9	2301.4	1092.7	44.9	364.7	67.0	193.5	122.7	199.8	216.2	198.1	219.0	194.2	3.9	45.6	45.9	13.8
SMDH 00037	814316.8	8193860.8	165.0	7	8	98	2377.8	4127.5	1850.2	97.6	708.4	123.4	356.2	225.9	367.8	398.1	481.3	526.7	472.1	9.2	112.9	115.6	27.6
SMDH 00037	814316.8	8193860.8	165.0	8	9	90	1397.2	2262.8	1127.0	54.1	362.9	60.3	174.0	110.3	179.7	194.5	331.6	355.9	325.0	6.6	76.3	79.5	13.8
SMDH 00037	814316.8	8193860.8	165.0	9	10	70	1334.1	2591.6	926.8	84.7	558.3	85.7	247.4	156.9	255.4	276.4	376.3	414.9	365.8	10.5	98.5	97.0	18.4
SMDH 00037	814316.8	8193860.8	165.0	10	11	95	1935.0	3927.4	1408.9	64.8	703.4	146.7	423.7	268.7	437.5	473.5	530.3	560.3	524.1	6.3	120.4	135.0	18.4
SMDH 00037	814316.8	8193860.8	165.0	11	12	85	1325.5	2462.7	1009.7	61.2	370.0	85.7	247.4	156.9	255.4	276.4	311.4	339.1	303.7	7.7	77.9	79.2	13.8
SMDH 00037	814316.8	8193860.8	165.0	12	13	70	1756.7	3493.2	1299.8	56.8	606.1	128.3	370.5	234.9	382.6	414.1	504.6	530.5	498.9	5.7	108.9	125.4	16.8
SMDH 00037	814316.8	8193860.8	165.0	13	14	80	967.8	2096.3	514.4	62.9	868.1	54.6	157.6	99.9	162.7	176.1	315.0	343.6	305.8	9.3	83.1	79.2	9.2
SMDH 00037	814316.8	8193860.8	165.0	14	14.5	70	1616.4	3178.0	1166.3	81.7	576.2	113.5	327.8	207.8	338.4	366.3	436.1	473.8	426.6	9.5	108.3	110.9	18.4
SMDH 00037	814316.8	8193860.8	165.0	14.5	15	70	1616.4	3178.0	1166.3	81.7	576.2	113.5	327.8	207.8	338.4	366.3	436.1	473.8	426.6	9.5	108.3	110.9	18.4
SMDH 00038	814196.9	8193861.1	167.1	0	1	10	1745.9	3832.4	839.7	144.8	1748.1	92.2	266.3	168.8	274.9	297.5	531.4	599.7	513.5	17.9	155.6	139.7	23.0
SMDH 00038	814196.9	8193861.1	167.1	1	2	50	1723.4	3456.3	1002.4	142.3	1257.1	88.4	255.3	161.9	263.6	285.3	559.8	626.8	542.4	17.4	160.9	148.3	23.0
SMDH 00038	814196.9	8193861.1	167.1	2	3	50	1539.9	2874.0	1124.8	82.4	557.8	93.0	268.5	170.2	277.2	300.0	479.6	517.9	469.4	10.2	123.6	126.9	15.3
SMDH 00038	814196.9	8193861.1	167.1	3	4	30	1109.4	1797.9	892.6	49.5	272.2	48.9	141.3	89.6	145.9	157.9	335.9	358.6	329.9	6.1	77.9	84.3	10.7
SMDH 00038	814196.9	8193861.1	167.1	4	5	40	1354.4	2098.6	1148.2	45.3	221.6	57.3	165.5	104.9	170.9	184.9	347.3	368.4	342.0	5.3	81.4	88.0	9.2
SMDH 00038	814196.9	8193861.1	167.1	5	6	70	1826.3	2755.9	1550.4	53.0	356.1	66.8	192.8	122.3	199.1	215.5	417.2	441.8	411.4	5.7	95.5	106.5	12.2
SMDH 00038	814196.9	8193861.1	167.1	6	7	50	1625.4	2544.8	1356.0	41.7	378.6	64.4	186.0	118.0	192.1	207.9	408.2	427.3	403.1	5.1	88.6	98.7	9.2
SMDH 00038	814196.9	8193861.1	167.1	7	8	98	1893.1	3331.9	1482.8	41.5	637.8	98.1	283.2	179.6	292.4	316.5	246.8	266.0	242.9	3.9	54.8	58.9	12.2
SMDH 00038	814196.9	8193861.1	167.1	8	9	70	1459.6	2023.3	1268.4	41.1	270.5	37.2	107.3	68.1	110.8	119.9	472.8	491.7	467.6	5.2	106.2	118.9	7.7
SMDH 00038	814196.9	8193861.1	167.1	9	10	60	1725.9	2505.9	1478.7	44.7	355.2	52.6	151.9	96.3	156.8	169.7	505.6	526.3	500.3	5.3	108.4	120.5	9.2
SMDH 00039	814076.2	8193864.2	169.2	0	1	20	1518.5	3718.8	688.0	97.4	1590.2	112.6	325.2	206.2	335.8	363.4	398.8	443.0	387.4	11.4	96.8	97.9	24.5
SMDH 00039	814076.2	8193864.2	169.2	1	2	40	1469.3	3154.2	871.2	133.6	865.3	107.7	310.9	197.1	321.0	347.4	515.8	576.1	494.9	20.9	168.4	155.7	16.8
SMDH 00039	814076.2	8193864.2	169.2	2	3	50	1682.8	3730.4	1054.0	115.2	866.8	142.1	410.2	260.1	423.6	458.4	538.9	592.1	525.2	13.7	134.2	132.5	24.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00039	814076.2	8193864.2	169.2	3	4	20	1444.2	3297.6	853.0	78.8	957.5	118.1	341.0	216.2	352.0	381.0	438.5	474.9	430.6	8.0	102.8	111.3	21.4
SMDH 00039	814076.2	8193864.2	169.2	4	5	80	985.2	2392.3	584.6	63.0	539.9	101.0	291.7	184.9	301.2	326.0	311.7	341.1	304.8	6.9	73.7	71.4	13.8
SMDH 00039	814076.2	8193864.2	169.2	5	6	85	1871.5	3475.6	1322.1	132.2	732.9	108.0	311.9	197.8	322.1	348.6	512.7	573.1	494.7	18.0	142.1	131.1	23.0
SMDH 00039	814076.2	8193864.2	169.2	6	7	40	1648.4	2626.9	1275.7	66.8	634.0	54.5	157.5	99.9	162.6	176.0	417.7	447.6	408.1	9.5	102.6	105.7	12.2
SMDH 00039	814076.2	8193864.2	169.2	7	8	50	1767.7	3062.5	1357.5	75.0	586.1	87.5	252.7	160.2	261.0	282.4	463.1	496.9	453.0	10.1	111.9	116.8	15.3
SMDH 00039	814076.2	8193864.2	169.2	8	9	40	1929.3	3534.8	1384.8	135.9	700.9	110.1	317.9	201.6	328.3	355.3	520.6	583.0	502.7	17.9	142.6	130.7	24.5
SMDH 00039	814076.2	8193864.2	169.2	9	10	40	1770.8	3491.1	1186.5	172.2	657.7	123.6	357.0	226.4	368.6	399.0	569.3	648.5	545.8	23.6	167.2	144.0	27.6
SMDH 00039	814076.2	8193864.2	169.2	10	11	40	1823.2	3653.3	1189.2	167.8	800.9	125.4	362.1	229.6	373.8	404.6	486.9	563.5	464.0	22.9	144.1	120.6	29.1
SMDH 00039	814076.2	8193864.2	169.2	11	12	50	1941.6	3959.4	1277.7	157.9	854.0	140.0	404.3	256.3	417.4	451.8	572.0	646.6	553.1	18.9	165.5	148.3	26.0
SMDH 00039	814076.2	8193864.2	169.2	12	13	40	2005.4	3892.4	1408.0	131.0	773.7	132.4	382.5	242.5	394.9	427.4	552.1	612.5	535.4	16.7	149.8	142.3	24.5
SMDH 00039	814076.2	8193864.2	169.2	13	14	80	2007.0	3908.4	1404.5	128.3	795.2	132.5	382.6	242.6	395.1	427.6	552.3	612.0	536.4	15.9	150.7	145.1	23.0
SMDH 00039	814076.2	8193864.2	169.2	14	15	30	2029.8	3862.2	1430.6	141.2	769.7	127.5	368.2	233.4	380.1	411.4	607.0	672.0	587.9	19.2	166.6	158.4	23.0
SMDH 00040	813954.8	8193860.8	169.8	0	1	20	2214.1	3799.4	1430.7	120.1	1636.5	51.3	148.2	94.0	153.0	165.6	894.7	949.5	876.8	17.9	237.4	244.1	15.3
SMDH 00040	813954.8	8193860.8	169.8	1	2	40	2111.6	3908.5	1385.5	136.1	1267.1	93.9	271.1	171.9	279.9	303.0	831.1	894.6	814.0	17.1	220.3	221.7	23.0
SMDH 00040	813954.8	8193860.8	169.8	2	3	60	2282.5	4174.6	1669.0	118.5	875.1	126.8	366.1	232.1	378.0	409.1	781.4	836.0	766.2	15.2	201.5	206.6	21.4
SMDH 00040	813954.8	8193860.8	169.8	3	4	40	2443.1	4105.6	1816.8	163.2	871.3	105.2	303.7	192.6	313.6	339.4	850.7	927.1	831.4	19.3	230.1	227.1	30.6
SMDH 00040	813954.8	8193860.8	169.8	4	5	70	1475.7	2510.1	1151.6	85.5	362.3	76.4	220.5	139.8	227.7	246.4	325.9	366.0	316.2	9.7	93.1	84.3	16.8
SMDH 00040	813954.8	8193860.8	169.8	5	6	98	2835.4	4053.0	2363.4	178.0	474.0	87.0	251.2	159.3	259.4	280.7	559.5	642.5	536.8	22.6	176.9	148.9	29.1
SMDH 00040	813954.8	8193860.8	169.8	6	7	50	1922.1	3620.1	1436.6	64.3	701.7	118.8	343.2	217.6	354.4	383.5	359.7	389.2	352.8	6.9	88.3	95.3	16.8
SMDH 00040	813954.8	8193860.8	169.8	7	8	98	2364.6	3968.6	1809.2	134.0	748.2	107.1	309.2	196.1	319.3	345.5	503.9	567.0	488.8	15.1	138.5	127.0	26.0
SMDH 00040	813954.8	8193860.8	169.8	8	9	95	2658.3	4322.5	2049.2	135.1	910.3	103.0	297.3	188.5	307.0	332.2	749.9	811.7	731.5	18.5	195.0	196.6	23.0
SMDH 00040	813954.8	8193860.8	169.8	9	10	75	2621.2	5884.5	1754.7	71.0	1298.1	231.5	668.4	423.8	690.1	746.9	528.2	561.0	522.2	6.0	122.4	143.0	23.0
SMDH 00040	813954.8	8193860.8	169.8	10	11	80	2779.8	4958.8	2102.5	119.2	964.1	148.7	429.3	272.2	443.2	479.7	667.7	721.9	651.4	16.4	180.8	186.4	21.4
SMDH 00040	813954.8	8193860.8	169.8	11	12	80	2386.6	4596.7	1641.5	150.9	1080.6	144.5	417.3	264.6	430.9	466.4	708.8	777.5	688.5	20.3	196.8	196.5	27.6
SMDH 00040	813954.8	8193860.8	169.8	12	13	60	1889.1	3534.3	1337.6	141.3	687.4	114.7	331.2	210.0	342.0	370.1	615.2	681.0	596.5	18.7	177.2	167.2	21.4
SMDH 00040	813954.8	8193860.8	169.8	13	14	80	2226.7	4296.6	1556.0	150.0	881.7	143.3	413.7	262.3	427.2	462.3	684.8	753.1	664.2	20.6	189.8	186.4	26.0
SMDH 00040	813954.8	8193860.8	169.8	14	14.5	50	1198.0	2047.2	980.4	34.1	252.4	65.4	188.9	119.8	195.1	211.1	119.0	134.6	115.3	3.8	33.0	31.3	9.2
SMDH 00040	813954.8	8193860.8	169.8	14.5	15	50	1198.0	2047.2	980.4	34.1	252.4	65.4	188.9	119.8	195.1	211.1	119.0	134.6	115.3	3.8	33.0	31.3	9.2
SMDH 00041	813837.3	8193861.9	168.7	0	1	20	448.2	1268.8	337.9			78.1	225.4	142.9	232.7	251.9							
SMDH 00041	813837.3	8193861.9	168.7	1	2	60	1395.0	2604.9	1007.8	112.2	408.9	90.2	260.5	165.2	269.0	291.1	357.5	409.9	343.7	13.8	100.0	83.9	19.9
SMDH 00041	813837.3	8193861.9	168.7	2	3	30	2337.4	3647.2	1906.6	119.6	491.6	94.7	273.5	173.4	282.3	305.6	378.6	433.6	362.6	16.1	110.6	93.1	19.9
SMDH 00041	813837.3	8193861.9	168.7	3	4	70	1659.1	2878.1	1237.6	109.3	539.2	83.2	240.2	152.3	248.0	268.4	475.0	525.2	459.8	15.2	129.5	119.9	16.8
SMDH 00041	813837.3	8193861.9	168.7	4	5	75	1900.2	3227.0	1456.3	124.7	512.2	95.1	274.5	174.0	283.4	306.7	525.8	582.4	507.5	18.3	145.9	133.2	18.4
SMDH 00041	813837.3	8193861.9	168.7	5	6	80	1560.6	3105.0	1079.7	112.1	586.2	111.3	321.3	203.7	331.7	359.0	514.0	565.3	499.0	15.0	134.8	128.3	19.9
SMDH 00041	813837.3	8193861.9	168.7	6	7	60	1731.5	3103.3	1279.2	106.0	588.6	94.7	273.5	173.4	282.3	305.6	427.6	476.6	413.8	13.8	116.7	106.8	18.4
SMDH 00041	813837.3	8193861.9	168.7	7	8	98	2393.3	4314.1	1792.7	126.8	784.2	135.0	389.9	247.2	402.6	435.7	418.4	476.5	401.2	17.3	120.8	104.5	21.4
SMDH 00041	813837.3	8193861.9	168.7	8	9	75	1689.8	2755.2	1307.1	113.3	458.6	73.5	212.1	134.5	219.0	237.0	396.9	448.9	380.5	16.4	116.3	99.2	15.3
SMDH 00041	813837.3	8193861.9	168.7	9	10	80	2509.3	4460.3	1849.7	158.6	868.4	132.8	383.4	243.1	395.9	428.5	618.8	690.6	596.1	22.8	168.7	152.9	26.0
SMDH 00041	813837.3	8193861.9	168.7	10	11	95	1603.0	3047.0	1128.3	100.7	654.1	97.6	281.8	178.7	290.9	314.9	458.8	504.6	444.6	14.2	119.3	112.5	16.8
SMDH 00041	813837.3	8193861.9	168.7	11	12	80	1622.6	3087.5	1162.8	100.2	591.7	103.4	298.5	189.3	308.2	333.6	442.0	488.1	428.1	13.9	121.3	112.3	15.3
SMDH 00041	813837.3	8193861.9	168.7	12	13	75	1856.9	3363.8	1372.2	109.8	626.5	105.2	303.9	192.7	313.8	339.6	566.2	617.1	551.9	14.3	149.0	144.7	18.4
SMDH 00041	813837.3	8193861.9	168.7	13	14	80	1745.9	3483.7	1220.9	108.4	665.1	124.9	360.6	228.6	372.3	402.9	435.8	486.1	422.8	13.0	118.2	111.1	21.4
SMDH 00041	813837.3	8193861.9	168.7	14	15	90	2019.9	3787.1	1435.0	99.0	903.3	113.2	326.8	207.2	337.4	365.2	562.0	607.2	550.3	11.7	137.4	143.7	23.0
SMDH 00041	813837.3	8193861.9	168.7	15	16	75	1818.7	3306.0	1374.5	94.1	546.1	108.3	312.6	198.2	322.8	349.4	518.7	561.9	506.8	11.9	129.6	130.5	18.4
SMDH 00041	813837.3	8193861.9	168.7	16	17	95	2367.5	4323.9	1556.7	140.6	1480.7	96.1	277.5	175.9	286.5	310.0	658.4	722.8	639.0	19.3	180.9	170.7	23.0
SMDH 00041	813837.3	8193861.9	168.7	17	17.5	95	1916.1	3297.2	1488.7	79.5	590.3	95.5	275.7	174.8	284.7	308.1	423.5	459.5	413.2	10.3	106.4	107.3	16.8
SMDH 00041	813837.3	8193861.9	168.7	17.5	18	95	1916.1	3297.2	1488.7	79.5	590.3	95.5	275.7	174.8	284.7	308.1	423.5	459.5	413.2	10.3	106.4	107.3	16.8
SMDH 00042	813714.3	8193864.3	164.8	0	1	10	1174.1	2384.5	758.7	100.5	553.4	81.5	235.3	149.2	243.0	262.9	460.0	506.8	447.3	12.7	119.9	112.8	16.8
SMDH 00042	813714.3	8193864.3	164.8	1	2	10	1291.6	2755.7	818.0	129.6	535.7	106.7	308.1	195.3	318.1	344.3	450.0	510.6	434.2	15.8	128.5	113.5	23.0
SMDH 00042	813714.3	8193864.3	164.8	2	3	25	2538.3	4083.7	2013.7	127.6	688.5	105.1	303.6	192.5	313.5	339.3	449.2	508.9	433.8	15.4	126.8	113.4	23.0
SMDH 00042	813714.3	8193864.3	164.8	3	4	40	3167.1	4420.3	2759.4	106.1	484.1	89.8	259.2	164.4	267.6	289.7	480.3	530.3	468.1	12.1	125.8	120.1	19.9
SMDH 00042	813714.3	8193864.3	164.8	4	5	80	1511.5	2957.4	1022.5	149.6	527.7	105.4	304.5	193.1	314.4	340.3	503.2	573.7	485.0	18.2	145.4	125.6	24.5
SMDH 00042	813714.3	8193864.3	164.8	5	6	70	2458.0	3707.6	2045.6	125.4	432.9	92.5	267.2	169.4	275.9	298.6	402.0	461.0	386.4	15.7	119.7	100.4	19.9
SMDH 00042	813714.3	8193864.3	164.8	6	7	90	2297.5	3629.4	1832.7	120.8	599.9	90.2	260.5	165.2	269.0	291.1	459.6	515.2	443.3	16.4	127.0	113.3	19.9
SMDH 00042	813714.3	8193864.3	164.8	7	8	100	1657.8	3052.9	1222.0	127.1	440.9	105.9	305.8	193.9	315.7	341.7	443.5	501.7	425.3	18.1	130.3	111.4	18.4
SMDH 00042	813714.3	8193864.3	164.8	8	9	70	1471.3	2875.4	1007.5	136.7	503.3	103.0	297.3	188.5	307.0	332.2	453.6	516.7	435.6	18.0	129.6	111.3	23.0
SMDH 00042	813714.3	8193864.3	164.8	9	10	80	1437.3	2724.7	994.7	128.0	514.5	91.2	263.3	166.9	271.9	294.2	450.0	508.0	431.4	18.6	126.8	110.1	19.9
SMDH 00042	813714.3	8193864.3	164.8	10	11	70	1556.1	2959.2	1100.8	117.0	544.6	100.3	289.8	183.7	299.2	323.8	532.9	586.4	516.9	16.0	137.7	130.3	19.9
SMDH 00042	813714.3	8193864.3	164.8	11	12	80	1663.6	3207.0	1162.4	130.9	592.3	110.8	319.9	202.8	330.3	357.5	550.3	610.0	531.5	18.8	150.0	137.8	19.9
SMDH 00042	813714.3	8193864.3	164.8	12	13	80	1406.2	2609.6	1019.1	100.9	452.7	86.9	251.1	159.2	259.2	280.6	458.2	504.4	444.0	14.2	121.4	113.0	15.3
SMDH 00042	813714.3	8193864.3	164.8	13	14	80	1481.6	2750.8	1048.8	119.7	518.2	89.2	257.6	163.3	266.0	287.9	434.0	489.0	418.3	15.7	121.0	108.4	21.4
SMDH 00043	813597.0	8193860.3	161.4	0	1	10	1258.9	2443.4	769.5	108.9	804.2	63.8	184.2	116.8	190.2	205.8	475.3	525.2	459.2	16.1	137.1	126.7	13.8
SMDH 00043	813597.0	8193860.3	161.4	1	2	20	1868.2	3398.4	1230.1	165.0	972.3	86.4	249.6	158.3	257.7	278.9	700.6	774.3	672.8	27.8	235.0	217.4	16.8
SMDH 00043	813597.0	8193860.3	161.4	2	3	30	2523.8	4406.2	1807.5	162.0	1095.4	112.5	324.7	205.9	335.3	362.9	859.4	933.1	835.0	24.4	233.4	226.6	21.4
SMDH 00043	813597.0	8193860.3	161.4	3	4	50	1452.9	2871.7	993.5	54.3	779.7	87.6	252.8	160.3	261.0	282.5	232.3	258.0	227.7	4.6	57.5	58.1	15.3
SMDH 00043	813597.0	8193860.3	161.4	4	5	60	1620.0	3224.0	1123.5	74.2	751.9	106.9	308.6	195.6	318.6	344.8	284.9	319.6	277.8	7.0	73.8	72.9	19.9
SMDH 00043	813597.0	8193860.3	161.4	5	6	70	1687.1	3408.0	1157.7	98.1	727.4	119.5	345.0	218.7	356.2	385.5	398.1	443.5	387.2	10.9	106.9	104.6	23.0
SMDH 00043	813597.0	8193860.3	161.4	6	7	60	2477.3	4058.5	1954.7	129.7	656.0	110.5	319.1	202.3	329.5	356.6	489.5	549.5	472.9	16.6	141.8	130.5	23.0
SMDH 00043	813597.0	8193860.3	161.4	7	8	100	2273.4	4087.8	1684.0	158.8	679.2	131.3	379.1	240.4	391.4	423.6	560.4	635.5	542.7	17.6	160.2	143.6	30.6
SMDH 00043	813597.0	8193860.3	161.4	8	9	100	1983.1	3915.7	1364.4	167.2	697.4	141.4	408.4	258.9	421.7	456.4	549.7	628.7	530.6	19.1	159.6	138.7	30.6
SMDH 00043	813597.0	8193860.3	161.4	9	9.5	90	2221.0	4174.6	1642.7	115.0	730.2	141.4	408.4	258.9	421.7	456.4	698.1	751.4	684.7	13.4	170.4	177.2	24.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00043	813597.0	8193860.3	161.4	9.5	10	90	2221.0	4174.6	1642.7	115.0	730.2	141.4	408.4	258.9	421.7	456.4	698.1	751.4	684.7	13.4	170.4	177.2	24.5
SMDH 00044	813480.5	8193864.0	160.0	0	1	15	1534.3	2834.6	1005.0	129.4	818.4	73.9	213.5	135.3	220.4	238.5	514.1	572.7	494.7	19.3	144.7	130.4	18.4
SMDH 00044	813480.5	8193864.0	160.0	1	2	10	1768.3	3174.3	1227.6	169.1	664.3	93.3	269.5	170.9	278.3	301.2	567.4	644.3	543.4	24.0	167.6	146.7	27.6
SMDH 00044	813480.5	8193864.0	160.0	2	3	45	2494.5	4028.3	1866.8	236.7	672.1	105.0	303.3	192.3	313.1	338.9	461.1	568.5	425.4	35.7	171.0	118.6	32.1
SMDH 00044	813480.5	8193864.0	160.0	3	4	80	1523.7	2740.6	1112.1	105.7	517.5	84.3	243.4	154.3	251.3	272.0	238.6	287.1	225.4	13.2	73.9	56.9	21.4
SMDH 00044	813480.5	8193864.0	160.0	4	5	100	2175.8	4308.2	1443.8	214.7	838.7	151.8	438.5	278.0	452.7	490.0	469.5	567.9	441.0	28.6	156.3	118.6	38.3
SMDH 00044	813480.5	8193864.0	160.0	5	6	100	1954.5	3640.4	1418.1	99.3	765.6	113.8	328.6	208.4	339.3	367.3	369.7	416.0	358.9	10.8	97.6	92.8	23.0
SMDH 00044	813480.5	8193864.0	160.0	6	7	80	2111.7	3671.8	1563.7	156.4	661.0	108.2	312.5	198.1	322.6	349.2	418.0	489.4	397.7	20.3	123.5	103.3	30.6
SMDH 00044	813480.5	8193864.0	160.0	7	8	100	1677.9	3282.6	1152.7	127.9	660.4	112.5	324.8	205.9	335.4	363.0	517.6	575.8	500.6	16.9	136.7	129.4	24.5
SMDH 00044	813480.5	8193864.0	160.0	8	9	100	1539.8	3074.5	1049.9	114.4	615.7	108.5	313.4	198.7	323.6	350.3	363.4	416.8	349.6	13.7	110.4	96.5	21.4
SMDH 00044	813480.5	8193864.0	160.0	9	9.5	15	1743.4	3474.6	1169.6	136.6	743.6	119.5	345.0	218.7	356.2	385.5	425.8	489.0	409.4	16.4	124.5	110.5	27.6
SMDH 00044	813480.5	8193864.0	160.0	9.5	10	15	1743.4	3474.6	1169.6	136.6	743.6	119.5	345.0	218.7	356.2	385.5	425.8	489.0	409.4	16.4	124.5	110.5	27.6
SMDH 00045	813357.5	8193862.9	158.9	0	1	10	1457.0	3106.9	832.8	121.0	1023.3	94.7	273.5	173.4	282.4	305.7	482.8	537.8	463.9	18.9	135.4	119.2	13.8
SMDH 00045	813357.5	8193862.9	158.9	1	2	10	1972.2	3855.4	1206.3	143.6	1342.3	97.5	281.6	178.6	290.8	314.7	554.0	619.3	532.6	21.4	158.4	142.7	19.9
SMDH 00045	813357.5	8193862.9	158.9	2	3	25	2532.2	3938.1	1907.0	146.8	1052.1	69.8	201.5	127.7	208.0	225.1	890.2	955.6	865.3	24.9	228.9	224.2	15.3
SMDH 00045	813357.5	8193862.9	158.9	3	4	30	1334.7	2535.0	900.1	128.8	525.0	82.3	237.5	150.6	245.3	265.4	388.2	447.5	369.6	18.6	122.0	97.8	16.8
SMDH 00045	813357.5	8193862.9	158.9	4	5	100	1758.6	3288.6	1238.0	154.2	584.6	110.0	317.6	201.4	327.9	354.9	443.0	514.8	422.5	20.5	137.5	110.2	23.0
SMDH 00045	813357.5	8193862.9	158.9	5	6	80	1794.8	3586.6	1172.1	198.1	668.4	129.8	374.8	237.6	387.0	418.8	470.7	563.0	443.5	27.2	163.2	119.9	26.0
SMDH 00045	813357.5	8193862.9	158.9	6	7	100	2023.7	3871.4	1403.5	150.3	806.0	126.7	366.0	232.1	377.9	409.0	629.2	699.0	609.2	20.0	175.9	160.6	23.0
SMDH 00045	813357.5	8193862.9	158.9	7	8	100	2138.0	5152.6	1255.2	117.7	1308.8	207.2	598.3	379.3	617.7	668.5	505.0	560.1	493.1	11.9	130.6	130.1	29.1
SMDH 00045	813357.5	8193862.9	158.9	8	9	90	2050.6	4659.4	1251.8	126.4	1170.0	177.0	511.2	324.1	527.8	571.2	550.5	608.6	535.8	14.7	142.6	141.1	29.1
SMDH 00045	813357.5	8193862.9	158.9	9	10	80	2120.9	4647.9	1292.7	210.3	1011.8	178.8	516.4	327.4	533.2	577.1	604.9	701.4	576.4	28.6	185.2	154.3	35.2
SMDH 00045	813357.5	8193862.9	158.9	10	11	80	1769.7	3492.8	1223.9	146.2	611.1	126.7	366.0	232.1	377.9	409.0	436.7	503.4	416.4	20.2	131.7	111.1	24.5
SMDH 00045	813357.5	8193862.9	158.9	11	12	70	2172.9	3427.8	1794.0	72.9	499.5	89.0	257.0	162.9	265.3	287.2	319.9	353.5	311.1	8.8	84.3	81.1	15.3
SMDH 00045	813357.5	8193862.9	158.9	12	13	50	1526.9	3105.9	1024.4	132.4	573.8	115.3	333.0	211.1	343.8	372.1	328.0	388.8	309.5	18.5	108.6	82.7	19.9
SMDH 00046	813239.0	8193860.8	159.3	0	1	5	492.5	983.2	295.5	37.0	341.7	25.9	74.8	47.4	77.2	83.6	124.9	141.8	119.7	5.1	35.4	30.7	6.1
SMDH 00046	813239.0	8193860.8	159.3	1	2	10	1048.6	2082.4	723.5	59.1	462.0	70.2	202.8	128.6	209.4	226.7	219.6	246.3	210.9	8.7	62.9	55.9	9.2
SMDH 00046	813239.0	8193860.8	159.3	2	3	10	1786.8	3939.7	1095.8	126.6	999.8	144.0	415.8	263.7	429.3	464.7	597.8	656.0	579.9	17.9	162.6	152.9	18.4
SMDH 00046	813239.0	8193860.8	159.3	3	4	20	2050.2	3472.1	1435.0	118.4	1110.9	67.7	195.6	124.0	201.9	218.5	665.0	719.1	647.0	18.1	173.7	160.6	13.8
SMDH 00046	813239.0	8193860.8	159.3	4	5	20	2683.1	5116.9	1785.9	182.1	1410.6	145.7	420.9	266.8	434.5	470.3	824.3	907.2	797.2	27.1	234.3	216.7	24.5
SMDH 00046	813239.0	8193860.8	159.3	5	6	15	2746.2	4501.2	2231.5	131.4	536.1	134.3	387.9	246.0	400.5	433.5	850.9	911.0	831.0	20.0	213.8	213.3	15.3
SMDH 00046	813239.0	8193860.8	159.3	6	7	40	1885.3	3846.6	1444.0	78.6	360.4	164.6	475.4	301.4	490.9	531.3	287.0	323.5	278.4	8.6	74.5	69.8	18.4
SMDH 00046	813239.0	8193860.8	159.3	7	8	40	1664.3	3323.7	1251.8	71.3	429.8	131.7	380.3	241.1	392.7	425.0	267.8	300.9	260.0	7.8	69.0	66.0	16.8
SMDH 00046	813239.0	8193860.8	159.3	8	9	50	1667.6	3291.4	1200.7	83.8	599.2	118.0	340.8	216.1	351.9	380.8	344.6	383.4	334.4	10.2	89.4	84.3	16.8
SMDH 00046	813239.0	8193860.8	159.3	9	10	50	1265.2	2712.9	792.1	106.7	624.7	99.7	287.9	182.6	297.3	321.8	278.1	327.7	265.9	12.2	83.0	70.5	23.0
SMDH 00046	813239.0	8193860.8	159.3	10	11	90	1487.5	2972.7	976.9	159.6	550.1	107.8	311.4	197.4	321.5	347.9	344.7	417.9	323.7	21.0	113.5	86.4	29.1
SMDH 00046	813239.0	8193860.8	159.3	11	12	100	1448.0	2734.5	1018.8	142.4	414.1	97.2	280.7	177.9	289.8	313.6	356.4	421.5	337.4	19.0	109.9	87.9	26.0
SMDH 00046	813239.0	8193860.8	159.3	12	13	90	1403.4	2824.6	946.3	140.9	455.3	107.5	310.4	196.8	320.5	346.9	399.1	463.7	381.5	17.6	117.5	102.1	29.1
SMDH 00046	813239.0	8193860.8	159.3	13	14	100	1381.6	2960.6	912.3	124.7	481.6	120.9	349.1	221.4	360.5	390.1	353.5	410.8	338.7	14.8	103.0	90.7	27.6
SMDH 00047	813118.9	8193864.4	158.8	0	1	10	961.6	1995.6	571.3	65.7	674.7	57.3	165.6	105.0	170.9	185.0	316.5	345.3	305.5	11.0	81.7	76.8	9.2
SMDH 00047	813118.9	8193864.4	158.8	1	2	20	1697.4	2888.8	1240.9	96.6	726.5	69.2	199.7	126.6	206.2	223.2	462.1	506.8	449.8	12.4	118.2	114.1	16.8
SMDH 00047	813118.9	8193864.4	158.8	2	3	20	1571.7	2606.6	1173.9	90.5	611.5	61.3	176.9	112.2	182.7	197.7	613.4	654.6	600.8	12.6	142.4	149.3	15.3
SMDH 00047	813118.9	8193864.4	158.8	3	4	40	1252.2	2687.5	831.7	105.4	444.5	109.5	316.2	200.5	326.4	353.3	280.2	330.1	271.0	9.2	77.1	69.6	29.1
SMDH 00047	813118.9	8193864.4	158.8	4	5	80	1672.8	2984.2	1278.2	91.7	460.4	96.7	279.4	177.1	288.5	312.2	272.0	315.1	263.1	8.9	72.4	64.8	23.0
SMDH 00047	813118.9	8193864.4	158.8	5	6	100	2710.0	4110.9	2278.2	97.6	530.6	101.0	291.6	184.9	301.1	325.9	299.3	344.8	289.3	10.0	77.1	70.2	24.5
SMDH 00047	813118.9	8193864.4	158.8	6	7	100	1209.3	2210.5	923.5	71.8	289.3	77.6	224.2	142.1	231.5	250.5	276.4	309.7	268.1	8.3	72.4	67.4	15.3
SMDH 00047	813118.9	8193864.4	158.8	7	8	100	1555.4	3140.4	1049.0	156.1	499.2	120.4	347.7	220.4	359.0	388.5	380.7	453.5	362.7	18.0	115.5	92.8	32.1
SMDH 00047	813118.9	8193864.4	158.8	8	9	80	1175.0	2481.1	815.1	71.0	411.9	99.2	286.4	181.6	295.7	320.1	282.4	315.3	273.7	8.7	76.7	70.1	13.8
SMDH 00047	813118.9	8193864.4	158.8	9	10	100	1457.1	3437.3	952.9	97.1	513.0	157.2	453.8	287.7	468.6	507.1	310.5	355.6	299.9	10.6	84.1	76.6	23.0
SMDH 00047	813118.9	8193864.4	158.8	10	11	60	1461.7	3375.2	944.7	74.1	675.6	140.9	406.9	258.0	420.2	454.8	310.6	345.4	303.3	7.3	77.9	75.3	18.4
SMDH 00048	812995.1	8193864.0	160.1	0	1	20	1290.2	2783.0	739.6	96.9	919.8	86.1	248.6	157.6	256.7	277.8	429.7	474.7	417.3	12.4	113.3	106.0	16.8
SMDH 00048	812995.1	8193864.0	160.1	1	2	20	3082.5	4254.4	2692.1	97.8	491.0	81.6	235.7	149.4	243.4	263.4	353.6	399.6	342.3	11.3	100.0	89.4	18.4
SMDH 00048	812995.1	8193864.0	160.1	2	3	40	2817.9	3760.0	2527.5	73.7	327.6	69.7	201.2	127.6	207.8	224.9	191.0	225.6	182.3	8.7	61.9	50.2	13.8
SMDH 00048	812995.1	8193864.0	160.1	3	4	70	1962.6	3117.3	1566.4	112.1	468.8	81.3	234.8	148.9	242.5	262.4	254.3	306.5	241.7	12.6	80.8	64.5	24.5
SMDH 00048	812995.1	8193864.0	160.1	4	5	90	2451.0	3615.5	1976.6	171.1	533.6	78.3	226.2	143.4	233.5	252.8	400.8	478.4	375.8	25.0	133.0	100.2	26.0
SMDH 00048	812995.1	8193864.0	160.1	5	6	80	1772.6	3047.7	1314.8	129.3	571.7	86.5	249.9	158.4	258.0	279.2	342.3	402.2	327.7	14.6	101.5	87.7	29.1
SMDH 00048	812995.1	8193864.0	160.1	6	7	98	1671.5	3279.7	1163.4	110.6	659.6	112.9	325.9	206.7	336.5	364.2	345.8	396.8	332.9	12.9	98.5	91.0	24.5
SMDH 00048	812995.1	8193864.0	160.1	7	8	95	1757.3	3415.1	1242.7	101.7	691.2	115.7	334.0	211.8	344.9	373.2	394.4	441.2	382.5	11.9	105.0	103.5	23.0
SMDH 00048	812995.1	8193864.0	160.1	8	9	85	1687.9	3105.2	1227.1	75.1	709.9	91.6	264.7	167.8	273.3	295.7	356.6	391.3	348.9	7.7	88.9	93.6	19.9
SMDH 00048	812995.1	8193864.0	160.1	9	10	80	1331.6	2786.4	868.7	92.2	636.8	99.7	287.8	182.5	297.1	321.6	262.2	304.8	251.3	10.9	79.9	71.4	19.9
SMDH 00048	812995.1	8193864.0	160.1	10	11	90	1264.7	2646.2	812.3	86.9	653.9	91.6	264.7	167.8	273.3	295.7	260.3	300.1	250.0	10.3	75.6	69.8	19.9
SMDH 00048	812995.1	8193864.0	160.1	11	11.5	70	1509.6	3151.6	1021.8	112.8	561.2	122.1	352.5	223.5	363.9	393.9	258.8	310.9	245.7	13.2	85.3	71.2	24.5
SMDH 00048	812995.1	8193864.0	160.1	11.5	12	70	1509.6	3151.6	1021.8	112.8	561.2	122.1	352.5	223.5	363.9	393.9	258.8	310.9	245.7	13.2	85.3	71.2	24.5
SMDH 00049	812870.6	8193862.4	159.1	0	1	30	389.2	750.3	237.4	30.9	263.0	18.4	53.0	33.6	54.8	59.3	122.0	136.0	117.4	4.6	32.7	29.4	4.6
SMDH 00049	812870.6	8193862.4	159.1	1	2	50	625.9	1349.9	358.8	53.9	421.6	43.2	124.8	79.2	128.9	139.5	203.9	228.9	197.0	6.9	57.2	50.9	9.2
SMDH 00049	812870.6	8193862.4	159.1	2	3	40	969.6	1952.0	619.9	69.7	538.0	60.7	175.4	111.2	181.1	196.0	250.5	282.6	241.9	8.6	69.2	62.7	13.8
SMDH 00049	812870.6	8193862.4	159.1	3	4	50	1605.2	2569.0	1326.9	48.5	364.7	69.5	200.7	127.2	207.2	224.2	81.2	104.1	77.5	3.7	24.7	17.9	15.3
SMDH 00049	812870.6	8193862.4	159.1	4	5	80	1755.5	2823.7	1462.6	48.8	365.5	79.4	229.2	145.3	236.7	256.2	83.0	105.9	79.1	3.9	24.8	18.3	15.3
SMDH 00049	812870.6	8193862.4	159.1	5	6	80	2771.6	3311.0	2614.3	31.6	193.4	39.6	114.2	72.4	117.9	127.6	129.8	144.5	126.8	3.0	32.0	31.6	9.2
SMDH 00049	812870.6	8193862.4	159.1	6	7	70	3473.1	4047.4	3294.7	38.1	229.4	40.7	117.5	74.5	121.3	131.3	188.6	206.3	184.1	4.4	46.7	44.8	7.7
SMDH 00049	812870.6	8193862.4	159.1	7	8	90	1377.4	3141.1	802.8	68.9	976.7	108.4	313.0	198.4	323.1	349.7	228.4	260.7	222.4	6.1	56.6	54.5	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00049	812870.6	8193862.4	159.1	8	9	80	1046.7	2078.7	725.8	60.2	443.7	71.2	205.5	130.3	212.2	229.7	275.8	303.7	269.0	6.8	69.2	68.8	13.8
SMDH 00049	812870.6	8193862.4	159.1	9	10	95	1319.5	2546.5	942.4	80.5	479.1	87.6	252.9	160.4	261.1	282.6	356.6	393.9	347.6	9.1	91.8	90.8	18.4
SMDH 00049	812870.6	8193862.4	159.1	10	11	90	1479.0	2857.3	1084.0	75.5	488.0	101.4	292.9	185.7	302.4	327.3	413.3	448.5	405.9	7.4	97.1	102.9	19.9
SMDH 00049	812870.6	8193862.4	159.1	11	12	98	1345.9	3129.2	818.2	90.8	717.2	126.0	363.9	230.7	375.7	406.7	402.7	444.7	392.7	10.1	100.6	99.6	21.4
SMDH 00049	812870.6	8193862.4	159.1	12	13	60	1313.3	2845.2	872.1	57.3	647.3	106.4	307.1	194.7	317.1	343.2	354.1	380.4	347.6	6.5	83.6	89.1	13.8
SMDH 00049	812870.6	8193862.4	159.1	13	14	70	1253.1	2776.2	817.5	74.2	569.7	110.2	318.3	201.8	328.7	355.7	448.5	482.7	440.9	7.6	104.1	112.2	19.9
SMDH 00050	812755.8	8193866.5	159.2	0	1	20	1313.6	2594.1	825.5	98.5	790.7	73.7	212.9	135.0	219.8	237.9	423.8	469.5	411.7	12.1	110.4	104.4	18.4
SMDH 00050	812755.8	8193866.5	159.2	1	2	40	2582.7	3440.1	2271.1	75.5	439.9	54.8	158.3	100.4	163.4	176.9	312.0	347.0	303.0	9.0	81.5	77.3	15.3
SMDH 00050	812755.8	8193866.5	159.2	2	3	30	2984.1	3927.1	2680.0	77.1	364.5	67.5	195.0	123.6	201.3	217.9	235.7	271.7	227.1	8.6	65.8	58.5	16.8
SMDH 00050	812755.8	8193866.5	159.2	3	4	75	1911.9	3070.6	1528.1	94.0	487.2	80.6	232.7	147.6	240.3	260.1	252.7	297.1	243.1	9.6	73.1	62.0	21.4
SMDH 00050	812755.8	8193866.5	159.2	4	5	95	1565.3	2831.2	1186.3	91.1	428.3	94.4	272.5	172.8	281.4	304.5	332.3	375.1	322.9	9.4	86.3	81.0	21.4
SMDH 00050	812755.8	8193866.5	159.2	5	6	98	1731.6	3179.2	1326.4	92.8	428.8	111.6	322.3	204.4	332.8	360.2	332.6	376.1	323.4	9.3	85.3	79.8	23.0
SMDH 00050	812755.8	8193866.5	159.2	6	7	90	1851.5	3176.1	1452.6	76.4	525.3	94.1	271.6	172.2	280.4	303.5	274.1	309.9	266.7	7.4	68.8	65.5	19.9
SMDH 00050	812755.8	8193866.5	159.2	7	8	95	1246.9	2559.1	874.4	57.5	504.0	94.2	271.9	172.4	280.8	303.9	306.4	333.0	300.5	5.9	73.2	77.2	15.3
SMDH 00050	812755.8	8193866.5	159.2	8	9	95	967.6	2156.7	666.6	61.8	288.6	95.6	275.9	175.0	284.9	308.4	214.3	243.2	208.5	5.8	56.0	53.6	16.8
SMDH 00050	812755.8	8193866.5	159.2	9	10	90	1207.1	2375.3	935.8	79.1	128.2	103.3	298.3	189.2	308.0	333.4	308.9	345.8	301.3	7.6	80.8	79.8	21.4
SMDH 00051	812640.8	8193860.2	159.6	0	1	40	2232.0	3828.4	1495.1	117.8	1470.2	62.5	180.4	114.4	186.3	201.6	914.0	967.7	896.8	17.2	220.4	228.7	16.8
SMDH 00051	812640.8	8193860.2	159.6	1	2	30	904.8	1919.3	559.5	63.0	530.3	64.3	185.6	117.7	191.6	207.4	286.4	315.2	278.7	7.7	74.9	74.4	13.8
SMDH 00051	812640.8	8193860.2	159.6	2	3	60	3321.2	4700.7	2939.1	71.8	454.3	103.6	299.1	189.7	308.9	334.3	220.2	253.5	211.9	8.4	64.0	57.1	15.3
SMDH 00051	812640.8	8193860.2	159.6	3	4	75	1550.0	3084.4	1052.0	114.4	644.8	106.7	308.2	195.4	318.3	344.5	318.2	371.8	305.6	12.6	91.0	76.7	24.5
SMDH 00051	812640.8	8193860.2	159.6	4	5	98	2230.6	3625.6	1852.4	80.8	399.7	108.4	313.0	198.4	323.1	349.7	242.1	279.8	233.8	8.2	65.4	58.4	19.9
SMDH 00051	812640.8	8193860.2	159.6	5	6	95	2395.4	3582.5	2024.4	90.8	438.6	86.2	249.1	157.9	257.2	278.3	295.0	337.4	285.5	9.5	78.4	71.0	21.4
SMDH 00051	812640.8	8193860.2	159.6	6	7	85	1443.9	2953.8	1003.7	82.4	563.6	109.3	315.8	200.2	326.0	352.9	356.3	394.8	348.3	8.0	85.9	86.1	21.4
SMDH 00051	812640.8	8193860.2	159.6	7	8	70	1445.1	2772.0	989.5	139.2	502.1	95.7	276.3	175.2	285.3	308.8	351.4	416.9	334.9	16.5	109.5	84.0	24.5
SMDH 00051	812640.8	8193860.2	159.6	8	9	90	1461.2	2794.9	1019.3	101.0	587.9	91.1	263.1	166.8	271.7	294.1	257.9	305.2	246.2	11.7	78.6	62.4	19.9
SMDH 00051	812640.8	8193860.2	159.6	9	10	85	1274.1	2815.9	796.6	106.9	594.3	110.5	319.1	202.3	329.5	356.6	355.0	405.0	343.5	11.4	95.3	87.2	24.5
SMDH 00052	814495.9	8193985.1	164.8	0	1	20	1449.9	3572.3	730.1	87.5	1261.5	125.2	361.5	229.2	373.3	404.0	421.7	461.3	409.9	11.8	107.5	106.5	16.8
SMDH 00052	814495.9	8193985.1	164.8	1	2	30	799.0	2467.1	342.9	70.6	586.5	123.0	355.2	225.2	366.7	396.9	182.6	215.0	175.0	7.6	48.4	41.7	18.4
SMDH 00052	814495.9	8193985.1	164.8	2	3	50	2772.5	3945.0	2312.5	114.6	682.8	70.0	202.2	128.2	208.8	225.9	324.8	378.6	311.8	13.0	97.3	81.6	23.0
SMDH 00052	814495.9	8193985.1	164.8	3	4	60	1648.0	2653.5	1326.1	54.4	481.1	66.4	191.7	121.6	197.9	214.2	109.3	134.6	102.8	6.5	36.4	26.4	10.7
SMDH 00052	814495.9	8193985.1	164.8	4	5	70	2850.8	4433.9	2354.8	130.2	556.4	116.7	337.1	213.8	348.1	376.7	249.2	310.3	235.8	13.4	81.3	62.7	30.6
SMDH 00052	814495.9	8193985.1	164.8	5	6	85	1709.4	2848.2	1319.9	111.9	452.7	80.8	233.3	147.9	240.9	260.7	123.7	175.1	111.1	12.6	48.2	29.0	27.6
SMDH 00052	814495.9	8193985.1	164.8	6	7	60	1545.3	2446.0	1205.5	76.5	517.1	54.2	156.6	99.3	161.7	175.0	72.6	108.2	64.0	8.6	32.9	16.3	16.8
SMDH 00052	814495.9	8193985.1	164.8	7	8	75	1561.5	2808.3	1155.7	97.3	512.5	87.4	252.5	160.1	260.7	282.2	228.8	273.6	216.5	12.3	73.0	57.3	18.4
SMDH 00052	814495.9	8193985.1	164.8	8	9	60	2121.1	3454.2	1705.3	93.1	522.0	95.1	274.5	174.0	283.4	306.7	314.7	357.6	303.1	11.7	88.6	79.3	18.4
SMDH 00052	814495.9	8193985.1	164.8	9	10	50	1661.9	2949.5	1245.0	77.3	605.8	85.6	247.3	156.8	255.3	276.4	261.1	296.5	251.2	9.9	69.4	61.5	15.3
SMDH 00052	814495.9	8193985.1	164.8	10	11	80	2468.7	3641.9	2086.9	91.9	480.6	82.4	237.9	150.8	245.6	265.8	354.4	397.0	342.9	11.6	94.7	86.3	16.8
SMDH 00052	814495.9	8193985.1	164.8	11	12	80	4541.3	6601.3	4028.3	96.6	507.5	165.1	476.7	302.2	492.2	532.7	283.1	328.9	274.1	8.9	75.6	66.6	24.5
SMDH 00052	814495.9	8193985.1	164.8	12	13	60	1726.6	3027.2	1317.8	92.3	515.4	92.4	266.7	169.1	275.4	298.1	259.6	302.5	249.9	9.7	73.2	65.7	23.0
SMDH 00052	814495.9	8193985.1	164.8	13	14	50	2148.0	3715.3	1664.3	131.1	516.2	117.7	339.8	215.5	350.9	379.8	334.8	397.0	323.8	11.0	92.7	83.2	36.7
SMDH 00052	814495.9	8193985.1	164.8	14	15	70	2163.7	4155.9	1577.9	111.2	751.9	143.8	415.2	263.2	428.7	464.0	306.7	358.6	297.1	9.6	78.8	75.2	33.7
SMDH 00052	814495.9	8193985.1	164.8	15	16	85	1959.4	3768.3	1455.3	103.8	571.6	137.3	396.5	251.4	409.4	443.0	285.3	334.3	277.1	8.1	70.8	66.8	32.1
SMDH 00052	814495.9	8193985.1	164.8	16	17	85	1936.1	3653.5	1453.7	92.3	579.3	128.1	370.0	234.6	382.0	413.5	273.0	316.1	265.0	8.0	68.2	65.7	27.6
SMDH 00052	814495.9	8193985.1	164.8	17	18	80	2028.6	3715.9	1535.0	95.0	624.8	122.5	353.8	224.3	365.3	395.3	291.3	336.0	283.2	8.0	77.4	73.5	27.6
SMDH 00052	814495.9	8193985.1	164.8	18	19	75	1966.4	3636.9	1521.9	90.0	473.1	130.1	375.7	238.2	388.0	419.9	253.0	295.0	244.9	8.1	67.9	63.8	26.0
SMDH 00052	814495.9	8193985.1	164.8	19	20	80	1690.0	3271.9	1232.9	81.7	592.0	114.5	330.6	209.6	341.3	369.4	201.8	240.3	195.2	6.6	54.2	49.7	24.5
SMDH 00052	814495.9	8193985.1	164.8	20	21	90	1825.6	3850.2	1300.3	70.7	663.7	152.2	439.6	278.7	453.9	491.2	332.9	365.8	325.4	7.5	81.4	81.3	16.8
SMDH 00052	814495.9	8193985.1	164.8	21	21.5	70	1442.8	2728.3	999.2	97.9	628.6	84.1	242.7	153.9	250.6	271.3	296.2	340.8	283.6	12.6	73.9	61.8	19.9
SMDH 00052	814495.9	8193985.1	164.8	21.5	22	70	1442.8	2728.3	999.2	97.9	628.6	84.1	242.7	153.9	250.6	271.3	296.2	340.8	283.6	12.6	73.9	61.8	19.9
SMDH 00053	814379.8	8193987.6	163.9	0	1	75	1553.2	3288.7	825.7	108.8	1401.6	79.9	230.7	146.3	238.2	257.8	525.0	574.9	509.5	15.6	140.7	132.7	15.3
SMDH 00053	814379.8	8193987.6	163.9	1	2	30	1026.0	2343.3	523.2	78.8	897.6	70.7	204.3	129.5	210.9	228.3	323.1	359.5	313.3	9.8	86.0	80.9	15.3
SMDH 00053	814379.8	8193987.6	163.9	2	3	43	1159.4	2579.3	693.7	91.1	668.3	94.4	272.7	172.9	281.5	304.7	417.1	459.0	405.0	12.1	111.5	105.5	15.3
SMDH 00053	814379.8	8193987.6	163.9	3	4	50	2097.6	3597.9	1594.4	114.5	680.3	101.3	292.6	185.6	302.2	327.0	399.0	452.5	384.4	14.6	116.3	100.7	18.4
SMDH 00053	814379.8	8193987.6	163.9	4	5	50	3108.2	4368.2	2735.2	65.6	501.7	89.4	258.0	163.6	266.4	288.3	259.8	290.4	251.9	7.9	72.0	66.5	12.2
SMDH 00053	814379.8	8193987.6	163.9	5	6	40	2968.4	4207.9	2641.3	40.0	438.1	91.3	263.5	167.1	272.1	294.5	83.9	102.4	79.9	4.0	25.7	21.5	10.7
SMDH 00053	814379.8	8193987.6	163.9	6	7	50	2528.1	4355.6	2034.2	41.7	750.8	128.2	370.1	234.7	382.2	413.6	58.7	78.4	55.3	3.4	20.5	14.4	12.2
SMDH 00053	814379.8	8193987.6	163.9	7	8	85	2317.3	3697.0	1868.9	84.2	650.1	91.7	264.8	167.9	273.4	295.9	317.3	356.2	306.6	10.8	87.9	80.1	15.3
SMDH 00053	814379.8	8193987.6	163.9	8	9	50	2005.5	3728.6	1431.8	117.5	816.5	114.3	329.9	209.2	340.6	368.7	259.4	313.8	244.5	14.9	87.5	66.5	21.4
SMDH 00053	814379.8	8193987.6	163.9	9	10	60	2015.8	3459.6	1506.2	132.9	663.9	97.0	280.0	177.5	289.1	312.9	385.3	446.6	367.9	17.4	111.1	89.7	23.0
SMDH 00053	814379.8	8193987.6	163.9	10	11	80	1705.6	3203.0	1203.3	115.4	674.9	101.4	292.8	185.7	302.3	327.2	299.6	353.2	285.4	14.2	92.8	75.0	21.4
SMDH 00053	814379.8	8193987.6	163.9	11	12	80	1431.8	3042.9	990.2	47.2	646.8	113.9	329.0	208.6	339.7	367.6	75.8	97.8	72.0	3.8	22.5	18.1	15.3
SMDH 00053	814379.8	8193987.6	163.9	12	13	80	1444.8	2703.1	1027.5	96.1	552.8	86.1	248.6	157.6	256.7	277.8	274.3	318.8	262.9	11.4	81.0	69.2	19.9
SMDH 00053	814379.8	8193987.6	163.9	13	14	75	1580.5	3149.4	1079.3	105.8	670.9	108.4	313.1	198.5	323.3	349.9	379.1	428.6	367.0	12.0	106.8	97.7	21.4
SMDH 00053	814379.8	8193987.6	163.9	14	15	70	1720.3	3309.4	1221.0	111.6	632.9	112.7	325.4	206.3	335.9	363.6	331.8	383.6	318.1	13.7	98.3	84.9	21.4
SMDH 00053	814379.8	8193987.6	163.9	15	16	70	1473.5	2867.8	1045.3	81.2	580.5	97.3	281.1	178.2	290.2	314.1	249.0	286.6	238.9	10.1	72.1	62.0	15.3
SMDH 00053	814379.8	8193987.6	163.9	16	17	80	1581.3	2842.5	1139.5	133.1	505.9	89.2	257.6	163.3	266.0	287.9	428.7	489.2	408.8	19.9	126.4	104.6	18.4
SMDH 00053	814379.8	8193987.6	163.9	17	18	75	1614.8	3174.0	1131.6	104.9	613.4	111.0	320.6	203.3	331.0	358.2	332.6	381.2	320.5	12.1	91.9	81.3	23.0
SMDH 00053	814379.8	8193987.6	163.9	18	19	80	2135.2	3664.3	1610.9	149.2	616.5	108.0	311.8	197.7	321.9	348.4	386.7	456.4	369.6	17.2	112.6	91.5	30.6
SMDH 00053	814379.8	8193987.6	163.9	19	20	98	1582.5	3059.4	1102.5	120.8	584.4	104.9	303.0	192.1	312.9	338.6	316.4	372.2	302.1	14.2	91.4	75.6	26.0
SMDH 00053	814379.8	8193987.6	163.9	20	20.5	98	1590.2	3088.2	1099.5	131.8	572.8	107.7	310.9	197.1	321.0	347.4	316.8	377.9	301.3	15.5	94.6	75.5	27.6
SMDH 00053	814379.8	8193987.6	163.9	20.5	21	98	1590.2	3088.2	1099.5	131.8	572.8	107.7	310.9	197.1	321.0	347.4	316.8	377.9	301.3	15.5	94.6	75.5	27.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00054	814258.1	8193993.6	164.4	0	1	60	1100.2	2411.8	576.2	87.3	946.8	67.2	194.0	123.0	200.3	216.8	388.1	427.8	374.6	13.5	112.1	100.2	10.7
SMDH 00054	814258.1	8193993.6	164.4	1	2	75	744.6	1977.1	373.9	95.6	398.0	93.0	268.7	170.3	277.4	300.2	181.2	226.0	170.5	10.7	61.7	44.9	19.9
SMDH 00054	814258.1	8193993.6	164.4	2	3	75	1567.2	3008.5	1038.9	120.8	777.1	89.8	259.5	164.5	267.9	289.9	554.2	608.9	537.0	17.2	146.5	138.9	19.9
SMDH 00054	814258.1	8193993.6	164.4	3	4	70	1893.7	3884.5	1234.4	148.4	884.6	135.6	391.5	248.2	404.2	437.5	516.2	583.1	496.3	19.9	137.4	126.2	30.6
SMDH 00054	814258.1	8193993.6	164.4	4	5	85	1859.6	3142.8	1468.9	73.1	527.9	90.0	259.8	164.7	268.2	290.3	512.7	545.8	502.4	10.3	121.4	123.2	12.2
SMDH 00054	814258.1	8193993.6	164.4	5	6	98	1933.4	3429.4	1463.2	92.3	642.7	103.2	298.1	189.0	307.8	333.1	430.2	472.5	418.1	12.1	107.2	101.2	16.8
SMDH 00054	814258.1	8193993.6	164.4	6	7	60	1662.3	3125.1	1230.5	103.5	479.0	110.0	317.7	201.4	328.0	355.0	459.8	505.6	444.9	14.9	108.1	111.9	21.4
SMDH 00054	814258.1	8193993.6	164.4	7	8	75	1065.7	2483.5	656.4	80.8	501.6	104.4	301.4	191.1	311.2	336.8	318.3	354.4	307.2	11.1	82.6	80.1	16.8
SMDH 00054	814258.1	8193993.6	164.4	8	9	80	1662.2	3401.5	1117.9	123.6	679.7	124.1	358.4	227.2	370.0	400.5	494.0	549.1	476.9	17.2	118.5	119.5	26.0
SMDH 00054	814258.1	8193993.6	164.4	9	10	75	1942.7	3558.2	1405.4	135.5	671.4	112.8	325.8	206.6	336.4	364.1	425.9	486.8	409.2	16.6	107.3	106.7	33.7
SMDH 00054	814258.1	8193993.6	164.4	10	11	95	1451.1	2915.9	1014.0	91.1	541.9	106.4	307.2	194.8	317.2	343.3	346.1	386.6	333.6	12.5	85.4	85.5	19.9
SMDH 00054	814258.1	8193993.6	164.4	11	12	98	1654.4	3348.9	1173.8	92.6	582.7	125.7	363.1	230.2	374.9	405.8	519.7	560.7	506.7	12.9	116.4	126.9	19.9
SMDH 00054	814258.1	8193993.6	164.4	12	13	70	2103.5	4627.8	1210.7	119.9	1576.5	144.3	416.6	264.2	430.2	465.6	558.5	612.3	543.0	15.5	127.8	136.4	27.6
SMDH 00054	814258.1	8193993.6	164.4	13	14	98	1935.4	3863.6	1303.5	161.7	767.4	136.7	394.9	250.4	407.7	441.3	583.8	655.9	558.6	25.1	167.3	149.5	24.5
SMDH 00054	814258.1	8193993.6	164.4	14	15	95	1834.1	3619.4	1342.5	76.0	638.6	131.0	378.2	239.8	390.5	422.7	589.4	623.5	580.3	9.1	117.9	140.8	19.9
SMDH 00054	814258.1	8193993.6	164.4	15	15.5	50	1682.0	3285.8	1194.0	72.5	727.3	108.3	312.8	198.3	323.0	349.6	474.1	506.8	465.9	8.2	97.2	108.0	19.9
SMDH 00054	814258.1	8193993.6	164.4	15.5	16	50	1682.0	3285.8	1194.0	72.5	727.3	108.3	312.8	198.3	323.0	349.6	474.1	506.8	465.9	8.2	97.2	108.0	19.9
SMDH 00055	814139.0	8193975.7	166.6	0	1	40	1547.4	3254.7	767.9	97.7	1644.2	62.5	180.4	114.4	186.2	201.5	506.9	550.7	490.8	16.1	136.3	129.7	10.7
SMDH 00055	814139.0	8193975.7	166.6	1	2	60	1377.3	3277.7	709.9	125.0	1043.1	117.4	338.9	214.9	349.9	378.7	445.7	503.0	429.8	15.9	122.8	112.2	24.5
SMDH 00055	814139.0	8193975.7	166.6	2	3	75	1109.5	2325.8	700.7	126.1	433.2	89.4	258.0	163.6	266.4	288.3	398.8	457.8	382.7	16.1	125.0	105.5	19.9
SMDH 00055	814139.0	8193975.7	166.6	3	4	75	1699.1	2693.4	1388.4	66.0	403.9	70.0	202.2	128.2	208.8	225.9	388.4	418.7	380.7	7.7	90.9	95.4	15.3
SMDH 00055	814139.0	8193975.7	166.6	4	5	85	3320.3	4402.7	2956.8	82.8	491.7	73.1	211.0	133.8	217.8	235.8	388.1	426.1	377.7	10.3	98.6	97.4	16.8
SMDH 00055	814139.0	8193975.7	166.6	5	6	95	2030.6	3197.7	1655.1	89.7	468.7	82.5	238.3	151.1	246.0	266.3	497.1	538.8	487.0	10.1	119.8	122.6	19.9
SMDH 00055	814139.0	8193975.7	166.6	6	7	80	1310.0	2053.3	1058.1	65.1	316.0	51.5	148.7	94.3	153.5	166.2	425.1	454.9	417.0	8.1	97.3	102.9	13.8
SMDH 00055	814139.0	8193975.7	166.6	7	8	90	1630.6	2623.6	1295.1	100.3	370.4	71.9	207.7	131.7	214.5	232.1	341.6	388.2	329.7	11.9	95.2	85.6	19.9
SMDH 00055	814139.0	8193975.7	166.6	8	9	95	1805.8	2966.3	1423.7	110.5	420.7	84.8	244.9	155.3	252.9	273.7	424.2	475.0	410.6	13.6	111.3	105.2	23.0
SMDH 00055	814139.0	8193975.7	166.6	9	10	85	1818.6	3284.0	1394.5	83.6	522.2	107.6	310.8	197.1	320.9	347.3	340.5	379.6	332.2	8.4	86.4	84.5	21.4
SMDH 00055	814139.0	8193975.7	166.6	10	11	95	1396.9	2580.1	1067.4	67.7	373.6	89.8	259.4	164.5	267.8	289.8	350.7	381.8	342.8	7.9	87.9	89.5	15.3
SMDH 00055	814139.0	8193975.7	166.6	11	12	90	1911.7	3292.6	1427.8	122.2	640.3	92.4	266.9	169.2	275.6	298.3	469.0	525.7	454.4	14.7	129.2	120.8	24.5
SMDH 00055	814139.0	8193975.7	166.6	12	13	80	1733.9	2974.8	1320.6	97.2	543.2	85.0	245.5	155.6	253.4	274.3	504.2	548.6	491.4	12.8	131.7	132.2	18.4
SMDH 00055	814139.0	8193975.7	166.6	13	14	95	1785.5	2918.2	1392.4	83.4	572.2	73.0	210.7	133.6	217.5	235.4	497.3	535.3	486.9	10.3	121.2	127.3	18.4
SMDH 00055	814139.0	8193975.7	166.6	14	15	95	1851.8	3908.2	1325.7	95.5	560.7	161.5	466.4	295.7	481.5	521.2	364.4	408.6	354.4	10.1	93.6	91.2	24.5
SMDH 00055	814139.0	8193975.7	166.6	15	16	95	1549.6	2537.7	1221.6	86.3	395.9	69.9	201.9	128.0	208.4	225.6	384.7	423.8	373.6	11.1	100.3	98.0	18.4
SMDH 00055	814139.0	8193975.7	166.6	16	16.5	98	1911.9	3999.8	894.3	105.5	2295.8	59.1	170.5	108.1	176.1	190.6	602.6	649.4	585.7	16.9	150.8	149.8	15.3
SMDH 00055	814139.0	8193975.7	166.6	16.5	17	98	1911.9	3999.8	894.3	105.5	2295.8	59.1	170.5	108.1	176.1	190.6	602.6	649.4	585.7	16.9	150.8	149.8	15.3
SMDH 00056	814014.5	8193985.8	168.4	0	1	20	1297.9	2962.9	671.6	125.0	1008.7	97.1	280.3	177.7	289.4	313.2	453.8	511.3	440.3	13.5	109.6	105.3	32.1
SMDH 00056	814014.5	8193985.8	168.4	1	2	40	1841.6	3640.8	1130.3	172.7	1079.2	105.5	304.7	193.2	314.6	340.5	709.5	786.7	682.8	26.6	195.2	178.3	26.0
SMDH 00056	814014.5	8193985.8	168.4	2	3	75	2137.5	3588.7	1610.5	137.3	707.8	95.0	274.3	173.9	283.3	306.6	469.8	531.8	450.1	19.8	133.2	116.6	23.0
SMDH 00056	814014.5	8193985.8	168.4	3	4	60	1972.9	3077.5	1625.6	68.9	472.6	76.3	220.4	139.8	227.6	246.3	435.3	467.1	426.9	8.5	104.9	108.1	13.8
SMDH 00056	814014.5	8193985.8	168.4	4	5	90	2254.8	3940.7	1679.4	154.6	706.4	117.4	339.0	215.0	350.1	378.9	514.0	584.1	493.0	20.9	139.6	124.7	29.1
SMDH 00056	814014.5	8193985.8	168.4	5	6	95	2642.8	4503.0	1990.8	163.3	867.7	124.2	358.6	227.4	370.3	400.8	494.8	570.9	474.6	20.2	151.9	129.2	29.1
SMDH 00056	814014.5	8193985.8	168.4	6	7	50	2018.5	3684.9	1452.6	136.6	746.6	113.1	326.6	207.1	337.3	365.0	468.7	531.9	451.3	17.4	136.8	121.6	24.5
SMDH 00056	814014.5	8193985.8	168.4	7	8	90	2154.4	3801.7	1597.4	135.3	728.4	112.4	324.6	205.8	335.1	362.7	457.1	519.7	440.4	16.6	131.4	117.2	26.0
SMDH 00056	814014.5	8193985.8	168.4	8	9	85	1512.9	3028.3	1040.6	73.2	710.4	101.0	291.5	184.8	301.0	325.8	287.5	321.5	279.9	7.6	75.3	73.4	18.4
SMDH 00056	814014.5	8193985.8	168.4	9	10	80	1657.3	2958.3	1285.9	58.6	501.9	93.2	269.2	170.7	278.0	300.8	215.2	242.5	209.8	5.5	54.8	54.3	16.8
SMDH 00056	814014.5	8193985.8	168.4	10	11	85	1703.9	3330.0	1229.7	60.9	707.7	111.6	322.4	204.4	332.9	360.3	247.6	275.9	241.3	6.3	62.1	61.0	15.3
SMDH 00056	814014.5	8193985.8	168.4	11	12	85	1975.9	3914.6	1340.9	120.4	923.8	128.2	370.3	234.8	382.3	413.8	539.6	595.2	525.0	14.6	143.4	139.8	24.5
SMDH 00056	814014.5	8193985.8	168.4	12	13	80	1871.0	3633.3	1288.9	152.1	702.5	124.9	360.7	228.7	372.4	403.1	508.8	579.4	489.8	19.0	146.2	128.2	27.6
SMDH 00056	814014.5	8193985.8	168.4	13	14	90	1511.7	2790.2	1080.5	114.9	525.1	89.7	259.0	164.2	267.4	289.4	429.6	481.3	413.0	16.6	121.1	110.5	19.9
SMDH 00056	814014.5	8193985.8	168.4	14	15	90	2045.4	3284.7	1695.7	75.0	393.1	94.0	271.4	172.1	280.2	303.3	343.5	378.2	334.9	8.6	87.5	86.4	16.8
SMDH 00056	814014.5	8193985.8	168.4	15	16	80	1785.9	3374.5	1252.2	115.3	744.7	105.8	305.6	193.8	315.5	341.5	447.2	500.3	432.9	14.3	115.8	106.6	23.0
SMDH 00056	814014.5	8193985.8	168.4	16	17	90	2001.9	3756.4	1410.3	134.0	806.6	117.9	340.3	215.8	351.4	380.3	472.3	535.0	456.7	15.7	130.4	116.5	26.0
SMDH 00056	814014.5	8193985.8	168.4	17	18	85	1788.5	3282.8	1285.9	134.1	609.4	105.1	303.4	192.4	313.3	339.1	451.3	514.4	436.0	15.3	124.8	109.6	26.0
SMDH 00056	814014.5	8193985.8	168.4	18	19	85	1808.9	3370.9	1283.2	120.7	709.0	105.5	304.6	193.1	314.5	340.3	428.5	484.5	413.7	14.8	117.5	104.9	23.0
SMDH 00056	814014.5	8193985.8	168.4	19	20	90	1560.6	3118.1	1067.1	102.8	659.2	108.1	312.1	197.9	322.2	348.7	416.6	464.1	403.9	12.7	107.0	99.2	19.9
SMDH 00057	813897.6	8193984.9	168.2	0	1	20	1087.7	2363.7	561.6	101.0	922.2	65.3	188.6	119.6	194.7	210.8	308.7	355.2	295.7	13.0	91.3	78.5	18.4
SMDH 00057	813897.6	8193984.9	168.2	1	2	40	1827.7	3085.1	1438.8	94.9	454.6	92.0	265.5	168.4	274.2	296.7	381.3	425.1	369.0	12.4	100.9	92.8	16.8
SMDH 00057	813897.6	8193984.9	168.2	2	3	75	2030.3	4418.2	1225.2	210.5	995.2	166.6	481.2	305.1	496.8	537.7	623.9	720.0	595.7	28.2	181.3	153.9	38.3
SMDH 00057	813897.6	8193984.9	168.2	3	4	80	2043.0	3804.6	1495.3	111.7	724.6	123.5	356.6	226.1	368.2	398.5	455.6	506.9	441.4	14.2	118.8	109.7	21.4
SMDH 00057	813897.6	8193984.9	168.2	4	5	85	1935.1	4156.2	1253.2	117.1	968.0	152.4	440.1	279.1	454.4	491.8	585.7	639.7	571.6	14.1	143.5	141.7	24.5
SMDH 00057	813897.6	8193984.9	168.2	5	6	80	2183.9	4128.9	1516.3	171.6	853.0	133.1	384.5	243.8	397.0	429.6	688.6	766.5	663.6	24.9	191.8	171.9	26.0
SMDH 00057	813897.6	8193984.9	168.2	6	7	80	2090.3	3936.9	1457.0	169.6	783.8	128.0	369.6	234.3	381.6	413.0	585.7	663.4	562.7	23.0	162.3	142.5	29.1
SMDH 00057	813897.6	8193984.9	168.2	7	8	90	1967.1	4199.0	1179.7	216.1	986.7	152.3	439.8	278.9	454.1	491.5	540.9	640.6	513.3	27.7	166.7	134.3	39.8
SMDH 00057	813897.6	8193984.9	168.2	8	9	98	2313.5	4378.3	1583.4	210.0	882.3	142.8	412.2	261.4	425.6	460.6	733.9	829.1	703.2	30.6	207.0	181.1	32.1
SMDH 00057	813897.6	8193984.9	168.2	9	10	85	2616.4	5240.7	1755.3	209.3	1087.7	183.5	529.9	336.0	547.1	592.1	694.9	790.7	667.3	27.7	193.2	171.3	38.3
SMDH 00057	813897.6	8193984.9	168.2	10	11	90	1925.8	3271.2	1473.7	109.4	588.7	92.2	266.2	168.8	274.8	297.4	479.3	529.6	466.5	12.8	122.9	120.8	24.5
SMDH 00057	813897.6	8193984.9	168.2	11	12	98	2055.6	3859.1	1465.4	129.7	793.3	123.3	356.1	225.8	367.6	397.9	673.3	732.8	657.0	16.3	164.2	164.8	26.0
SMDH 00057	813897.6	8193984.9	168.2	12	13	85	1700.0	3815.0	1037.4	137.5	876.0	147.9	427.1	270.8	441.0	477.3	326.5	389.5	309.1	17.4	99.7	79.5	27.6
SMDH 00057	813897.6	8193984.9	168.2	13	14	90	1721.7	3640.6	1171.6	75.8	786.8	134.7	388.9	246.6	401.6	434.6	391.9	427.6	384.8	7.2	90.8	94.7	19.9
SMDH 00058	813777.8	8193986.5	165.8	0	1	10	1613.1	3204.7	993.8	124.0	1023.2	89.2	257.5	163.3	265.9	287.8	603.8	660.7	585.9	17.9	160.5	151.3	16.8
SMDH 00058	813777.8	8193986.5	165.8	1	2	40	1632.5	3199.5	1156.9	105.5	580.0	113.8	328.6	208.3	339.2	367.2	413.7	462.5	401.0	12.7	107.7	100.8	21.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00058	813777.8	8193986.5	165.8	2	3	70	1480.1	3145.9	935.8	148.1	626.3	120.4	347.6	220.4	358.9	388.4	449.5	517.6	429.9	19.6	129.6	109.7	26.0
SMDH 00058	813777.8	8193986.5	165.8	3	4	85	1916.6	3550.1	1305.8	167.6	813.1	105.9	305.9	194.0	315.9	341.9	536.6	612.4	511.6	25.0	158.6	132.9	24.5
SMDH 00058	813777.8	8193986.5	165.8	4	5	95	1908.1	3437.9	1361.9	145.0	711.1	102.3	295.4	187.3	305.0	330.1	397.9	464.7	378.6	19.2	121.7	98.6	24.5
SMDH 00058	813777.8	8193986.5	165.8	5	6	95	1817.5	3081.2	1412.6	100.2	490.5	90.4	261.0	165.5	269.5	291.6	409.6	455.6	396.1	13.5	107.7	98.3	16.8
SMDH 00058	813777.8	8193986.5	165.8	6	7	85	1946.7	3932.5	1246.1	161.7	988.9	128.8	371.8	235.8	383.9	415.5	581.2	653.8	558.1	23.1	155.5	140.3	29.1
SMDH 00058	813777.8	8193986.5	165.8	7	8	95	2048.1	3725.9	1451.5	169.9	732.0	115.1	332.3	210.7	343.1	371.4	655.5	733.0	631.7	23.8	178.4	162.3	27.6
SMDH 00058	813777.8	8193986.5	165.8	8	9	95	1521.9	3005.7	951.3	168.7	735.7	96.4	278.4	176.5	287.5	311.1	457.4	535.2	433.9	23.4	147.5	116.5	24.5
SMDH 00058	813777.8	8193986.5	165.8	9	10	90	1894.3	3259.7	1341.3	205.6	595.9	93.6	270.4	171.5	279.2	302.2	726.1	819.8	694.6	31.5	216.3	184.2	24.5
SMDH 00058	813777.8	8193986.5	165.8	10	11	90	1437.1	2554.8	984.4	169.1	484.9	76.8	221.9	140.7	229.1	247.9	437.0	514.2	411.2	25.8	149.5	113.4	19.9
SMDH 00058	813777.8	8193986.5	165.8	11	12	95	1390.3	2657.5	894.0	146.2	653.7	80.8	233.3	147.9	240.9	260.7	394.7	461.5	372.7	22.0	132.6	102.3	18.4
SMDH 00058	813777.8	8193986.5	165.8	12	13	95	1638.7	3101.5	1153.6	100.8	682.6	97.6	281.9	178.8	291.1	315.1	556.2	602.1	542.6	13.6	136.4	137.0	18.4
SMDH 00058	813777.8	8193986.5	165.8	13	14	85	1158.9	2349.4	716.0	147.4	493.0	83.3	240.4	152.4	248.2	268.7	320.6	387.2	298.4	22.2	109.7	80.1	21.4
SMDH 00058	813777.8	8193986.5	165.8	14	15	95	2911.2	4995.9	1840.8	205.8	2124.4	69.2	199.7	126.6	206.2	223.2	1215.3	1306.8	1179.2	36.1	318.8	309.9	18.4
SMDH 00058	813777.8	8193986.5	165.8	15	15.5	80	1541.9	2961.2	1022.2	144.7	670.2	94.3	272.2	172.6	281.0	304.2	521.6	588.3	501.6	20.0	154.1	134.5	21.4
SMDH 00058	813777.8	8193986.5	165.8	15.5	16	80	1541.9	2961.2	1022.2	144.7	670.2	94.3	272.2	172.6	281.0	304.2	521.6	588.3	501.6	20.0	154.1	134.5	21.4
SMDH 00059	813660.9	8193986.9	162.9	0	1	20	1339.9	2524.9	904.5	109.3	606.5	75.8	219.0	138.8	226.1	244.7	350.6	401.2	336.8	13.8	101.8	88.1	19.9
SMDH 00059	813660.9	8193986.9	162.9	1	2	15	924.7	1912.7	556.6	87.3	538.1	61.3	176.9	112.2	182.7	197.7	315.8	356.2	304.6	11.2	90.5	80.9	15.3
SMDH 00059	813660.9	8193986.9	162.9	2	3	50	1819.7	3395.0	1205.4	132.2	983.1	90.1	260.1	164.9	268.6	290.7	555.4	617.1	539.0	16.5	149.3	139.1	23.0
SMDH 00059	813660.9	8193986.9	162.9	3	4	50	2237.2	4021.9	1656.4	153.4	681.9	128.3	370.5	234.9	382.5	414.0	605.3	676.1	585.1	20.2	162.4	146.8	26.0
SMDH 00059	813660.9	8193986.9	162.9	4	5	90	1788.2	3446.7	1190.1	132.5	882.4	104.1	300.6	190.6	310.4	336.0	498.1	560.1	483.6	14.4	137.7	129.8	29.1
SMDH 00059	813660.9	8193986.9	162.9	5	6	98	1845.6	3188.2	1426.4	68.4	619.4	90.0	260.0	164.9	268.5	290.6	342.5	374.2	335.6	6.9	84.4	87.9	18.4
SMDH 00059	813660.9	8193986.9	162.9	6	7	80	1396.4	2338.3	1015.1	108.8	530.5	57.3	165.6	105.0	170.9	185.0	443.2	493.3	429.6	13.6	123.6	116.5	21.4
SMDH 00059	813660.9	8193986.9	162.9	7	8	95	1957.7	3031.9	1577.3	96.0	508.9	71.2	205.7	130.4	212.4	229.9	398.2	442.8	386.1	12.1	110.5	102.0	16.8
SMDH 00059	813660.9	8193986.9	162.9	8	9	60	1884.3	3279.0	1404.3	129.2	593.8	96.6	278.8	176.8	287.9	311.6	518.0	578.1	501.4	16.6	147.1	133.9	21.4
SMDH 00059	813660.9	8193986.9	162.9	9	10	75	2388.8	4066.0	1729.1	169.3	963.5	101.0	291.5	184.8	301.0	325.8	797.5	878.0	776.9	20.7	188.9	166.8	24.5
SMDH 00059	813660.9	8193986.9	162.9	10	11	90	3463.2	4658.3	3087.6	97.0	429.1	87.6	252.9	160.4	261.1	282.6	392.5	438.4	382.1	10.4	107.0	100.3	19.9
SMDH 00059	813660.9	8193986.9	162.9	11	12	85	2040.5	3844.6	1483.8	132.3	661.3	131.4	379.4	240.6	391.8	424.0	497.0	558.5	479.8	17.2	142.3	127.2	21.4
SMDH 00059	813660.9	8193986.9	162.9	12	13	60	2111.8	3914.6	1554.4	119.3	712.1	128.2	370.1	234.7	382.2	413.6	474.1	529.2	458.4	15.7	135.7	124.5	19.9
SMDH 00059	813660.9	8193986.9	162.9	13	14	98	2639.9	4783.0	1983.9	159.1	759.3	157.7	455.3	288.7	470.1	508.8	561.2	635.2	540.7	20.4	163.9	144.8	26.0
SMDH 00059	813660.9	8193986.9	162.9	14	15	75	2935.8	5499.8	2183.5	164.6	884.2	190.1	549.0	348.1	566.8	613.5	601.8	676.6	579.2	22.6	172.8	157.9	29.1
SMDH 00060	813541.2	8193978.3	161.6	0	1	30	1655.0	2788.8	1130.5	110.9	949.4	50.1	144.8	91.8	149.5	161.8	682.7	733.1	665.7	17.0	176.4	176.1	13.8
SMDH 00060	813541.2	8193978.3	161.6	1	2	30	1335.1	2716.8	905.5	88.6	564.4	97.1	280.4	177.8	289.5	313.4	433.0	473.9	421.9	11.1	113.1	110.8	16.8
SMDH 00060	813541.2	8193978.3	161.6	2	3	40	1460.4	2863.1	1004.4	109.4	574.6	98.5	284.4	180.3	293.7	317.8	378.7	429.8	365.9	12.8	108.8	97.7	21.4
SMDH 00060	813541.2	8193978.3	161.6	3	4	75	2126.9	3328.9	1686.1	109.3	617.7	76.8	221.7	140.6	228.9	247.8	492.7	543.2	478.8	13.9	133.0	127.0	19.9
SMDH 00060	813541.2	8193978.3	161.6	4	5	98	1967.6	3344.0	1503.8	107.2	623.6	93.0	268.6	170.3	277.3	300.1	439.8	488.3	425.5	14.3	119.8	114.6	21.4
SMDH 00060	813541.2	8193978.3	161.6	5	6	90	1900.0	3135.9	1438.7	141.1	560.4	83.5	241.1	152.8	248.9	269.4	625.5	691.1	608.1	17.4	169.5	161.9	26.0
SMDH 00060	813541.2	8193978.3	161.6	6	7	80	1732.4	2897.2	1239.2	154.6	662.0	70.5	203.7	129.2	210.3	227.6	464.1	536.1	444.1	20.0	146.3	121.3	24.5
SMDH 00060	813541.2	8193978.3	161.6	7	8	90	1673.1	3047.7	1155.1	154.5	650.3	91.2	263.4	167.0	271.9	294.3	509.8	582.1	490.7	19.2	152.1	135.1	26.0
SMDH 00060	813541.2	8193978.3	161.6	8	9	80	1452.2	2896.6	956.5	136.1	601.5	100.8	291.1	184.6	300.6	325.3	348.0	411.5	330.8	17.1	105.8	80.4	23.0
SMDH 00061	813411.0	8193986.8	161.2	0	1	5	1310.8	2429.5	852.4	99.1	759.5	60.2	174.0	110.3	179.6	194.4	509.1	554.7	494.5	14.5	133.8	124.8	12.2
SMDH 00061	813411.0	8193986.8	161.2	1	2	10	2579.9	4307.8	2050.3	122.5	635.9	125.7	363.0	230.1	374.8	405.6	581.6	637.8	565.3	16.4	140.6	131.7	21.4
SMDH 00061	813411.0	8193986.8	161.2	2	3	15	1978.6	3548.0	1426.4	153.0	684.5	107.7	310.9	197.1	321.0	347.4	355.0	425.6	333.5	21.5	123.2	90.9	21.4
SMDH 00061	813411.0	8193986.8	161.2	3	4	90	3095.1	4451.5	2653.4	82.1	644.7	89.8	259.4	164.5	267.8	289.8	426.3	464.4	416.2	10.1	107.6	107.0	15.3
SMDH 00061	813411.0	8193986.8	161.2	4	5	100	2470.7	4069.1	1953.0	109.3	703.6	109.3	315.5	200.1	325.8	352.6	511.9	562.8	498.9	13.1	134.0	131.1	21.4
SMDH 00061	813411.0	8193986.8	161.2	5	6	90	1910.7	3621.9	1399.1	95.7	675.9	121.7	351.4	222.8	362.8	392.6	444.5	489.0	434.3	10.2	112.6	113.6	23.0
SMDH 00061	813411.0	8193986.8	161.2	6	7	80	1535.7	3105.1	1130.1	62.3	481.7	120.0	346.5	219.7	357.7	387.2	224.8	254.1	220.0	4.8	54.5	55.5	19.9
SMDH 00062	813304.6	8193992.4	160.3	0	1	10	2432.1	5085.1	1404.2	193.9	1735.5	146.9	424.1	268.9	437.8	473.9	750.7	839.5	725.1	25.6	216.3	203.2	35.2
SMDH 00062	813304.6	8193992.4	160.3	1	2	10	7839.4	9915.4	7313.3	162.4	308.3	178.7	516.0	327.2	532.8	576.7	106.8	184.6	96.8	10.0	50.2	32.8	55.1
SMDH 00062	813304.6	8193992.4	160.3	2	3	10	4212.6	7377.9	3449.4	236.8	367.4	278.7	804.8	510.3	831.0	899.4	95.8	209.6	84.2	11.7	52.5	31.0	88.8
SMDH 00062	813304.6	8193992.4	160.3	3	4	30	3596.5	6066.6	3004.6	174.2	312.1	216.0	623.6	395.4	643.9	696.9	89.0	172.5	78.5	10.4	46.7	26.3	59.7
SMDH 00062	813304.6	8193992.4	160.3	4	5	70	3223.9	4747.4	2756.1	136.6	459.9	116.9	337.7	214.1	348.7	377.4	94.1	159.5	85.6	8.5	43.8	27.7	45.9
SMDH 00062	813304.6	8193992.4	160.3	5	6	100	2878.2	4309.0	2473.6	153.9	212.9	123.1	355.6	225.5	367.2	397.4	190.8	263.4	173.3	17.5	92.4	56.4	29.1
SMDH 00062	813304.6	8193992.4	160.3	6	7	60	1405.1	2890.9	913.8	150.2	514.5	110.0	317.8	201.5	328.1	355.1	400.8	469.9	378.2	22.6	133.3	99.6	16.8
SMDH 00062	813304.6	8193992.4	160.3	7	8	100	1645.7	3295.9	1022.8	112.7	1048.5	93.2	269.2	170.7	278.0	300.8	614.9	666.9	599.4	15.6	156.0	151.3	16.8
SMDH 00062	813304.6	8193992.4	160.3	8	8.5	30	2070.5	3622.2	1537.4	240.7	305.1	129.0	372.6	236.3	384.7	416.4	259.8	372.1	226.7	33.1	157.9	86.2	30.6
SMDH 00062	813304.6	8193992.4	160.3	8.5	9	30	2070.5	3622.2	1537.4	240.7	305.1	129.0	372.6	236.3	384.7	416.4	259.8	372.1	226.7	33.1	157.9	86.2	30.6
SMDH 00063	813180.8	8193979.5	158.5	0	1	10	781.4	1428.7	536.0	63.7	344.4	40.6	117.3	74.4	121.1	131.1	212.6	242.4	205.1	7.4	61.5	54.4	12.2
SMDH 00063	813180.8	8193979.5	158.5	1	2	15	3746.3	4805.4	3371.6	99.3	483.6	71.3	206.0	130.6	212.7	230.2	322.1	368.2	310.3	11.8	93.0	82.9	19.9
SMDH 00063	813180.8	8193979.5	158.5	2	3	30	3345.2	4558.8	2941.4	82.1	577.0	80.3	232.0	147.1	239.6	259.3	340.9	379.1	332.2	8.7	86.6	85.0	19.9
SMDH 00063	813180.8	8193979.5	158.5	3	4	50	1757.3	3116.4	1343.3	80.2	549.6	95.9	276.8	175.5	285.8	309.3	296.6	333.6	287.9	8.7	76.5	72.6	19.9
SMDH 00063	813180.8	8193979.5	158.5	4	5	70	2986.3	4593.6	2332.4	149.0	1050.4	89.0	257.1	163.0	265.4	287.3	508.5	577.4	488.9	19.6	145.4	125.4	24.5
SMDH 00063	813180.8	8193979.5	158.5	5	6	80	1579.9	3258.9	1002.0	137.8	779.8	112.3	324.2	205.6	334.8	362.3	466.1	529.8	449.8	16.4	126.9	115.1	29.1
SMDH 00063	813180.8	8193979.5	158.5	6	7	100	1631.1	3409.2	1051.3	133.4	754.1	123.3	356.0	225.7	367.6	397.8	409.2	471.5	393.5	15.7	117.8	101.8	26.0
SMDH 00063	813180.8	8193979.5	158.5	7	8	100	1969.6	3337.8	1590.7	120.7	270.3	113.7	328.3	208.2	339.0	366.9	80.6	138.4	73.8	6.8	33.3	20.9	42.9
SMDH 00063	813180.8	8193979.5	158.5	8	9	100	1746.3	3657.9	1150.6	128.7	763.9	135.4	390.9	247.9	403.7	436.9	493.8	553.0	476.9	16.8	138.0	126.7	23.0
SMDH 00063	813180.8	8193979.5	158.5	9	10	80	1521.8	3222.8	986.3	142.7	597.0	125.5	362.4	229.8	374.2	405.0	433.1	499.8	415.4	17.7	128.4	108.1	24.5
SMDH 00063	813180.8	8193979.5	158.5	10	11	100	1858.9	3723.0	1237.2	170.0	731.4	132.8	383.6	243.2	396.1	428.7	558.4	637.9	536.5	22.0	166.6	140.3	26.0
SMDH 00063	813180.8	8193979.5	158.5	11	12	100	1609.5	2840.2	1185.0	146.0	411.2	92.1	265.9	168.6	274.5	297.1	517.2	585.2	498.6	18.6	143.5	126.5	24.5
SMDH 00064	813058.0	8193977.8	158.3	0	1	5	1483.5	3804.1	831.6	171.5	612.8	183.5	529.8	335.9	547.0	592.0	480.9	561.5	461.0	20.0	146.2	120.7	32.1
SMDH 00064	813058.0	8193977.8	158.3	1	2	15	2203.0	4410.1	1547.0	144.6	780.9	162.4	469.1	297.4	484.3	524.2	482.6	550.4	464.8	17.8	138.0	118.0	24.5
SMDH 00064	813058.0	8193977.8	158.3	2	3	10	1251.5	2379.4	810.2	101.2	685.4	65.6	189.5	120.1	195.6	211.7	353.5	400.3	339.7	13.8	104.3	90.9	15.3

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00064	813058.0	8193977.8	158.3	3	4	90																	
SMDH 00064	813058.0	8193977.8	158.3	4	5	100	3143.7	4114.6	2835.6	94.1	303.9	73.9	213.3	135.2	220.2	238.4	346.1	389.7	333.3	12.8	101.6	89.0	13.8
SMDH 00064	813058.0	8193977.8	158.3	5	6	80																	
SMDH 00064	813058.0	8193977.8	158.3	6	7	80	1855.2	3517.1	1369.1	129.4	485.1	128.6	371.3	235.4	383.3	414.9	640.0	698.8	620.0	20.0	174.5	164.1	15.3
SMDH 00064	813058.0	8193977.8	158.3	7	8	90	1770.6	2948.3	1325.8	180.9	384.1	88.7	256.0	162.3	264.3	286.1	748.6	830.4	719.3	29.3	218.8	193.0	18.4
SMDH 00064	813058.0	8193977.8	158.3	8	9	90	1583.4	2779.4	1171.7	114.6	495.8	83.6	241.5	153.1	249.3	269.8	495.5	548.3	480.0	15.6	136.8	128.2	18.4
SMDH 00064	813058.0	8193977.8	158.3	9	10	90	1340.6	2446.8	985.6	88.6	427.9	79.2	228.7	145.0	236.2	255.6	635.3	675.6	622.2	13.2	158.4	163.3	12.2
SMDH 00064	813058.0	8193977.8	158.3	10	11	90	1327.8	3040.0	787.8	163.4	532.8	130.5	376.7	238.9	389.0	421.0	496.1	571.1	474.1	22.0	153.4	130.2	27.6
SMDH 00064	813058.0	8193977.8	158.3	11	11.5	50	803.1	1800.2	493.0	91.3	308.5	76.1	219.7	139.3	226.8	245.5	266.3	309.0	254.0	12.4	83.5	66.1	12.2
SMDH 00064	813058.0	8193977.8	158.3	11.5	12	50	803.1	1800.2	493.0	91.3	308.5	76.1	219.7	139.3	226.8	245.5	266.3	309.0	254.0	12.4	83.5	66.1	12.2
SMDH 00065	812941.6	8193984.7	158.4	0	1	10	391.1	773.7	224.7	33.8	294.8	18.5	53.3	33.8	55.1	59.6	125.6	141.1	121.6	4.0	32.2	30.4	7.7
SMDH 00065	812941.6	8193984.7	158.4	1	2	15	1237.2	2521.1	768.7	100.6	710.3	78.9	227.9	144.5	235.4	254.7	465.5	511.7	451.1	14.4	124.9	115.2	13.8
SMDH 00065	812941.6	8193984.7	158.4	2	3	20	2634.9	3826.7	2127.9	121.9	817.5	63.7	183.9	116.6	189.9	205.5	917.6	973.0	898.0	19.6	228.3	230.9	12.2
SMDH 00065	812941.6	8193984.7	158.4	3	4	15	2533.1	4268.8	2008.6	82.4	759.3	118.9	343.4	217.8	354.6	383.8	492.0	529.8	482.2	9.9	123.2	129.2	18.4
SMDH 00065	812941.6	8193984.7	158.4	4	5	30	2201.7	3594.3	1802.0	77.6	490.8	102.6	296.3	187.9	306.0	331.1	431.7	467.3	422.3	9.4	107.7	110.7	16.8
SMDH 00065	812941.6	8193984.7	158.4	5	6	40	2088.8	3519.0	1632.1	101.5	592.8	100.0	288.7	183.1	298.1	322.7	478.6	525.0	464.2	14.3	131.4	123.0	15.3
SMDH 00065	812941.6	8193984.7	158.4	6	7	50	1474.6	2624.7	1156.9	50.5	409.7	84.5	243.9	154.7	251.9	272.6	268.4	291.4	262.5	5.9	67.1	68.6	12.2
SMDH 00065	812941.6	8193984.7	158.4	7	8	60	1805.6	2915.2	1476.6	57.1	446.2	78.4	226.4	143.6	233.8	253.0	402.8	428.9	395.7	7.1	89.5	93.9	12.2
SMDH 00065	812941.6	8193984.7	158.4	8	9	80	1628.9	3385.1	1140.3	75.5	644.1	127.9	369.3	234.1	381.3	412.7	422.7	457.3	413.7	9.1	102.8	105.4	16.8
SMDH 00065	812941.6	8193984.7	158.4	9	10	100	2146.3	3983.8	1413.8	250.9	853.3	122.9	354.9	225.0	366.4	396.6	506.3	619.9	469.9	36.3	180.2	130.0	39.8
SMDH 00065	812941.6	8193984.7	158.4	10	11	80	1479.9	3261.1	893.6	165.2	660.8	129.2	373.2	236.6	385.3	417.0	366.8	443.7	346.1	20.7	127.1	96.2	29.1
SMDH 00065	812941.6	8193984.7	158.4	11	12	100	870.3	1981.5	518.1	71.1	478.9	76.6	221.1	140.2	228.3	247.1	278.7	311.6	269.5	9.2	79.5	71.6	12.2
SMDH 00065	812941.6	8193984.7	158.4	12	13	90	1437.6	3101.3	856.9	170.0	680.3	116.9	337.5	214.0	348.5	377.2	443.7	523.3	423.1	20.6	141.6	113.4	30.6
SMDH 00066	812813.9	8193980.7	157.4	0	1	20	1261.2	2723.4	725.7	94.8	887.3	85.1	245.9	155.9	253.9	274.7	403.4	445.9	388.7	14.8	110.1	101.3	13.8
SMDH 00066	812813.9	8193980.7	157.4	1	2	40	883.9	1866.9	537.1	72.5	517.1	62.1	179.2	113.6	185.1	200.3	255.7	289.0	246.0	9.7	74.1	65.5	12.2
SMDH 00066	812813.9	8193980.7	157.4	2	3	50	1424.7	2662.1	987.7	79.3	696.0	75.4	217.7	138.0	224.8	243.3	421.7	457.6	411.0	10.8	105.3	106.1	15.3
SMDH 00066	812813.9	8193980.7	157.4	3	4	70	2160.8	3497.1	1808.6	70.8	370.0	104.6	302.1	191.5	311.9	337.6	318.0	350.4	310.3	7.7	77.3	79.4	18.4
SMDH 00066	812813.9	8193980.7	157.4	4	5	80	1874.1	2916.9	1565.4	62.3	386.4	75.7	218.6	138.6	225.7	244.3	245.1	273.8	238.3	6.8	61.9	60.4	15.3
SMDH 00066	812813.9	8193980.7	157.4	5	6	80	1478.3	2893.9	1051.4	96.6	509.4	103.7	299.4	189.8	309.1	334.5	335.9	380.0	324.6	11.3	87.3	81.8	23.0
SMDH 00066	812813.9	8193980.7	157.4	6	7	80	1450.0	2866.9	1037.8	91.8	472.7	106.0	306.2	194.1	316.1	342.1	374.2	416.8	363.2	11.0	97.2	90.2	18.4
SMDH 00066	812813.9	8193980.7	157.4	7	8	100	1464.7	2191.6	1217.9	56.0	338.6	48.6	140.2	88.9	144.8	156.7	437.8	463.5	430.6	7.2	97.3	102.4	10.7
SMDH 00066	812813.9	8193980.7	157.4	8	9	80	1551.8	2854.0	1147.9	90.2	503.9	93.2	269.2	170.7	278.0	300.8	405.6	447.0	393.9	11.7	101.1	95.7	16.8
SMDH 00067	812700.0	8193988.0	157.3	0	1	40	1421.2	3020.5	874.7	138.2	703.0	109.4	315.8	200.3	326.1	353.0	443.7	508.3	427.2	16.5	126.7	110.0	26.0
SMDH 00067	812700.0	8193988.0	157.3	1	2	60	3010.5	4190.6	2585.4	101.2	600.8	75.7	218.7	138.6	225.8	244.4	374.5	421.6	362.5	12.0	101.9	92.8	19.9
SMDH 00067	812700.0	8193988.0	157.3	2	3	40	4390.5	5337.2	4094.8	78.3	328.0	70.1	202.4	128.4	209.0	226.2	168.6	205.1	159.8	8.8	55.2	43.4	16.8
SMDH 00067	812700.0	8193988.0	157.3	3	4	85	4184.0	5186.1	3871.6	76.2	369.2	72.9	210.4	133.4	217.3	235.2	180.7	216.6	172.7	8.1	55.9	45.1	16.8
SMDH 00067	812700.0	8193988.0	157.3	4	5	80	1903.3	3060.3	1586.3	57.0	379.7	87.0	251.1	159.2	259.3	280.6	300.0	326.8	295.1	4.9	67.2	72.0	16.8
SMDH 00067	812700.0	8193988.0	157.3	5	6	98	2254.8	3393.2	1946.3	50.2	382.8	85.0	245.5	155.6	253.4	274.3	321.9	345.4	317.7	4.2	70.6	77.6	15.3
SMDH 00067	812700.0	8193988.0	157.3	6	6.5	70	1268.9	2615.2	908.5	50.1	470.3	99.5	287.2	182.1	296.5	321.0	220.5	244.1	216.9	3.6	49.9	53.0	16.8
SMDH 00067	812700.0	8193988.0	157.3	6.5	7	70	1268.9	2615.2	908.5	50.1	470.3	99.5	287.2	182.1	296.5	321.0	220.5	244.1	216.9	3.6	49.9	53.0	16.8
SMDH 00068	812584.2	8193992.4	156.5	0	1	40	1324.1	2932.3	709.6	117.5	1021.0	90.9	262.5	166.4	271.0	293.3	386.6	441.2	371.1	15.4	115.4	98.4	18.4
SMDH 00068	812584.2	8193992.4	156.5	1	2	75	3919.7	5080.1	3481.4	112.7	616.8	72.9	210.4	133.4	217.3	235.2	427.9	480.4	414.3	13.6	116.4	106.9	21.4
SMDH 00068	812584.2	8193992.4	156.5	2	3	80	3541.1	4653.2	3119.4	163.5	395.4	81.7	236.0	149.7	243.7	263.8	265.5	342.0	247.9	17.6	92.8	65.3	36.7
SMDH 00068	812584.2	8193992.4	156.5	3	4	80	3479.2	4649.1	3019.8	158.1	523.8	79.4	229.4	145.4	236.8	256.3	251.1	324.7	234.0	17.1	88.5	62.9	36.7
SMDH 00068	812584.2	8193992.4	156.5	4	5	98	2126.8	3167.2	1764.1	116.3	387.7	75.4	217.7	138.0	224.8	243.3	214.6	268.9	202.8	11.8	69.1	53.9	29.1
SMDH 00068	812584.2	8193992.4	156.5	5	6	90	1937.5	3189.9	1481.4	164.3	449.1	91.8	265.1	168.1	273.8	296.3	279.9	356.8	263.1	16.8	96.0	72.1	39.8
SMDH 00068	812584.2	8193992.4	156.5	6	7	90	2085.9	3146.9	1764.0	83.3	349.2	79.7	230.1	145.9	237.6	257.1	280.9	319.6	271.9	9.0	75.8	70.7	19.9
SMDH 00068	812584.2	8193992.4	156.5	7	8	95	1630.5	2749.8	1350.1	62.4	245.8	91.5	264.3	167.6	272.8	295.3	295.1	324.3	289.2	5.8	69.4	71.0	16.8
SMDH 00068	812584.2	8193992.4	156.5	8	9	98	1442.0	2569.3	1123.2	86.4	293.9	89.4	258.0	163.6	266.4	288.3	302.3	342.5	293.8	8.6	78.3	75.5	23.0
SMDH 00068	812584.2	8193992.4	156.5	9	10	60	1491.2	2731.1	1106.5	143.5	271.3	101.4	292.9	185.7	302.4	327.3	294.7	361.5	278.7	16.0	94.0	72.9	32.1
SMDH 00069	814554.5	8194101.7	166.8	0	1	40	2137.6	5122.0	967.4	110.4	2394.5	138.3	399.4	253.3	412.4	446.3	517.8	568.2	503.0	14.8	128.0	123.2	19.9
SMDH 00069	814554.5	8194101.7	166.8	1	2	50	1347.7	3627.4	672.7	141.1	827.7	166.5	480.8	304.9	496.5	537.3	367.6	433.3	353.0	14.6	99.5	84.7	35.2
SMDH 00069	814554.5	8194101.7	166.8	2	3	50	2819.9	4471.8	2259.2	161.0	645.9	117.9	340.3	215.8	351.4	380.3	417.8	492.9	398.5	19.3	130.8	106.4	30.6
SMDH 00069	814554.5	8194101.7	166.8	3	4	70	1617.8	2882.5	1162.0	147.2	504.3	89.6	258.8	164.1	267.2	289.2	337.0	404.4	317.7	19.3	107.0	83.2	27.6
SMDH 00069	814554.5	8194101.7	166.8	4	5	85	1375.3	3079.9	818.6	137.7	690.6	120.2	347.0	220.0	358.2	387.7	348.6	411.6	330.6	18.0	110.6	91.3	26.0
SMDH 00069	814554.5	8194101.7	166.8	5	6	95	3514.5	4927.0	3004.2	160.1	583.0	98.9	285.6	181.1	294.9	319.2	315.7	390.2	296.4	19.4	106.7	78.4	30.6
SMDH 00069	814554.5	8194101.7	166.8	6	7	85	2136.1	4024.3	1493.3	184.0	745.9	134.2	387.7	245.8	400.3	433.2	453.6	538.0	429.5	24.1	147.8	119.9	33.7
SMDH 00069	814554.5	8194101.7	166.8	7	8	95	2413.6	4200.6	1816.1	162.4	709.1	126.9	366.3	232.3	378.2	409.3	396.6	471.4	376.0	20.6	126.5	101.9	30.6
SMDH 00069	814554.5	8194101.7	166.8	8	9	95	2059.0	4160.2	1348.8	180.3	899.7	145.2	419.2	265.8	432.8	468.4	447.9	531.3	424.9	23.0	142.2	113.3	32.1
SMDH 00069	814554.5	8194101.7	166.8	9	10	90	2139.8	3717.4	1592.8	175.6	579.8	114.8	331.5	210.2	342.3	370.5	368.3	449.3	345.0	23.3	128.3	93.6	29.1
SMDH 00069	814554.5	8194101.7	166.8	10	11	85	1749.8	3249.0	1241.8	154.4	553.1	109.0	314.6	199.5	324.9	351.6	410.7	482.2	391.5	19.2	127.4	105.3	29.1
SMDH 00069	814554.5	8194101.7	166.8	11	12	90	1848.8	3740.4	1247.3	165.3	661.5	139.7	403.4	255.8	416.5	450.8	415.5	492.2	395.5	20.0	133.1	108.6	32.1
SMDH 00069	814554.5	8194101.7	166.8	12	13	90	1931.9	3665.3	1315.0	190.9	701.9	122.2	352.9	223.7	364.3	394.3	422.8	510.6	398.1	24.7	139.3	107.6	35.2
SMDH 00069	814554.5	8194101.7	166.8	13	14	98	1992.2	3786.6	1355.2	192.4	739.9	125.7	363.0	230.1	374.8	405.6	488.8	577.0	463.6	25.3	150.3	123.6	35.2
SMDH 00069	814554.5	8194101.7	166.8	14	15	95	1787.0	3500.1	1224.1	151.9	657.4	123.0	355.1	225.2	366.7	396.8	396.8	466.4	376.8	20.0	125.4	102.8	27.6
SMDH 00069	814554.5	8194101.7	166.8	15	16	90	1629.8	3127.6	1084.0	167.8	642.6	103.4	298.6	189.3	308.3	333.6	380.4	457.2	358.2	22.3	122.9	94.1	30.6
SMDH 00069	814554.5	8194101.7	166.8	16	17	95	1789.0	3571.3	1209.0	164.6	639.4	130.6	377.3	239.2	389.5	421.6	347.4	423.2	326.8	20.7	113.6	86.6	32.1
SMDH 00069	814554.5	8194101.7	166.8	17	18	95	1511.1	2844.8	1025.9	149.5	569.0	92.3	266.4	168.9	275.1	297.7	347.0	416.2	328.6	18.4	111.6	87.9	29.1
SMDH 00069	814554.5	8194101.7	166.8	18	19	85	1290.1	2418.3	881.7	123.6	484.1	77.9	224.9	142.6	232.2	251.3	350.6	407.1	333.8	16.7	106.7	90.3	21.4
SMDH 00070	814437.4	8194104.4	166.5	0	1	40	968.5	2448.9	468.9	90.2	765.1	94.3	272.3	172.7	281.2	304.3	277.5	318.8	267.5	10.0	73.8	68.5	23.0
SMDH 00070	814437.4	8194104.4	166.5	1	2	50	1694.2	3008.0	1228.9	136.8	552.5	91.4	263.9	167.3	272.4	294.9	395.6	457.5	376.9	18.6	112.2	94.4	26.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00070	814437.4	8194104.4	166.5	2	3	60	1382.2	4746.9	609.8	186.4	486.6	290.4	838.7	531.8	865.9	937.2	401.7	487.4	377.8	23.9	139.9	105.2	35.2
SMDH 00070	814437.4	8194104.4	166.5	3	4	60	1523.5	2836.6	1072.0	104.4	620.2	87.2	251.8	159.6	260.0	281.4	341.7	389.3	328.9	12.8	91.4	83.0	23.0
SMDH 00070	814437.4	8194104.4	166.5	4	5	80	2134.3	3721.6	1645.5	88.3	680.6	109.6	316.5	200.7	326.8	353.7	243.2	283.9	233.0	10.2	67.7	58.3	19.9
SMDH 00070	814437.4	8194104.4	166.5	5	6	90	245.2	514.1	136.5	29.0	158.3	16.0	46.1	29.2	47.6	51.5	75.1	88.1	70.7	4.5	21.9	16.6	4.6
SMDH 00070	814437.4	8194104.4	166.5	6	7	75	2348.5	3498.2	1977.0	92.2	453.9	81.8	236.1	149.7	243.8	263.8	233.8	276.0	222.0	11.8	69.0	56.4	18.4
SMDH 00070	814437.4	8194104.4	166.5	7	8	95	1386.7	2767.7	931.1	121.1	541.8	98.4	284.2	180.2	293.4	317.6	305.7	361.4	290.7	15.0	89.1	72.3	24.5
SMDH 00070	814437.4	8194104.4	166.5	8	9	80	1291.9	4281.3	558.5	99.9	842.7	233.1	673.1	426.8	695.0	752.2	255.1	301.1	245.0	10.1	69.6	63.0	27.6
SMDH 00070	814437.4	8194104.4	166.5	9	10	85	1730.4	3254.7	1211.6	124.6	688.2	103.1	297.8	188.9	307.5	332.8	328.3	385.7	312.8	15.5	94.8	77.4	24.5
SMDH 00070	814437.4	8194104.4	166.5	10	11	90	1643.3	2860.3	1195.5	128.9	564.6	81.4	235.1	149.1	242.8	262.8	324.9	383.6	307.8	17.1	99.0	80.2	24.5
SMDH 00070	814437.4	8194104.4	166.5	11	12	95	1679.1	3017.4	1220.7	118.4	582.1	91.9	265.4	168.3	274.0	296.6	326.7	380.9	312.2	14.5	91.5	78.8	26.0
SMDH 00070	814437.4	8194104.4	166.5	12	13	90	1853.0	3036.9	1434.6	116.2	520.5	81.0	233.8	148.2	241.4	261.2	315.0	367.9	300.3	14.7	91.1	77.7	24.5
SMDH 00070	814437.4	8194104.4	166.5	13	14	85	1454.6	2802.6	917.3	111.4	889.9	74.1	214.0	135.7	221.0	239.2	241.4	292.2	227.6	13.8	72.7	58.1	24.5
SMDH 00070	814437.4	8194104.4	166.5	14	15	95	1329.3	2601.1	907.2	110.4	511.8	89.8	259.5	164.5	267.9	289.9	263.4	314.0	250.6	12.8	73.3	61.8	26.0
SMDH 00070	814437.4	8194104.4	166.5	15	16	80	2136.1	3868.2	1414.7	199.4	1051.2	100.8	291.2	184.6	300.7	325.4	415.2	507.8	391.8	23.3	133.3	101.6	41.3
SMDH 00070	814437.4	8194104.4	166.5	16	17	95	1965.2	3440.1	1439.6	143.6	668.0	99.7	287.8	182.5	297.2	321.7	339.8	406.9	323.8	16.1	102.2	81.6	30.6
SMDH 00070	814437.4	8194104.4	166.5	17	18	95	2648.2	3857.4	2254.2	60.6	620.9	77.3	223.1	141.5	230.4	249.4	96.6	125.0	91.0	5.6	30.2	22.0	16.8
SMDH 00071	814312.5	8194101.8	165.9	0	1	30	1005.0	2116.2	522.0	61.6	989.2	45.6	131.6	83.4	135.8	147.0	315.6	343.6	306.6	9.0	83.2	80.3	9.2
SMDH 00071	814312.5	8194101.8	165.9	1	2	50	1309.0	2883.0	682.4	97.0	1156.5	79.4	229.3	145.4	236.8	256.2	420.5	465.1	407.6	12.8	113.1	106.1	16.8
SMDH 00071	814312.5	8194101.8	165.9	2	3	40	1970.3	3696.8	1401.2	116.5	802.2	115.4	333.4	211.4	344.2	372.5	420.1	474.6	405.7	14.4	123.6	110.3	19.9
SMDH 00071	814312.5	8194101.8	165.9	3	4	80	1730.9	3348.8	1248.1	119.0	532.5	121.5	350.9	222.5	362.3	392.1	382.4	437.5	366.9	15.5	115.7	99.2	19.9
SMDH 00071	814312.5	8194101.8	165.9	4	5	60	1713.6	3258.8	1235.3	97.6	629.3	108.7	313.9	199.0	324.1	350.8	313.9	359.2	301.1	12.8	96.4	81.3	15.3
SMDH 00071	814312.5	8194101.8	165.9	5	6	70	2794.4	3949.7	2437.9	85.7	419.8	84.4	243.6	154.5	251.5	272.2	261.5	301.4	250.4	11.1	82.3	68.4	13.8
SMDH 00071	814312.5	8194101.8	165.9	6	7	60	1371.6	2617.0	986.1	79.1	505.7	87.7	253.3	160.6	261.5	283.1	319.9	356.4	311.4	8.5	82.1	81.5	19.9
SMDH 00071	814312.5	8194101.8	165.9	7	8	90	2580.9	4015.1	2128.2	95.2	599.2	100.0	288.7	183.1	298.1	322.7	261.8	306.7	251.1	10.8	82.4	69.0	18.4
SMDH 00071	814312.5	8194101.8	165.9	8	9	90	1968.5	3891.0	1324.7	162.4	810.9	133.6	385.7	244.5	398.2	431.0	227.9	304.6	209.9	18.1	92.5	58.3	32.1
SMDH 00071	814312.5	8194101.8	165.9	9	10	85	2083.3	3827.9	1563.5	103.5	661.2	125.7	363.1	230.2	374.9	405.8	464.5	512.5	451.9	12.6	122.3	117.7	19.9
SMDH 00071	814312.5	8194101.8	165.9	10	11	85	1505.8	3092.8	969.9	111.4	767.7	104.3	301.1	190.9	310.9	336.5	362.1	414.0	348.3	13.9	109.8	95.9	19.9
SMDH 00071	814312.5	8194101.8	165.9	11	11.5	75	1529.7	2979.1	1030.8	133.6	619.8	100.2	289.3	183.4	298.7	323.3	370.1	432.6	353.6	16.5	120.3	98.9	23.0
SMDH 00071	814312.5	8194101.8	165.9	11.5	12	75	1529.7	2979.1	1030.8	133.6	619.8	100.2	289.3	183.4	298.7	323.3	370.1	432.6	353.6	16.5	120.3	98.9	23.0
SMDH 00072	814196.5	8194101.4	166.3	0	1	30	1298.8	2622.1	753.5	80.7	1042.6	62.5	180.4	114.4	186.3	201.6	448.2	484.8	437.4	10.9	115.0	117.0	15.3
SMDH 00072	814196.5	8194101.4	166.3	1	2	40	1598.1	3247.3	966.2	122.1	1047.3	93.2	269.1	170.6	277.9	300.8	559.2	615.6	543.4	15.8	154.0	148.2	21.4
SMDH 00072	814196.5	8194101.4	166.3	2	3	60	1869.9	3264.8	1396.0	100.0	677.7	91.5	264.2	167.5	272.8	295.2	433.9	480.6	422.3	11.6	119.9	115.0	19.9
SMDH 00072	814196.5	8194101.4	166.3	3	4	40	3669.8	4706.1	3292.6	80.4	572.7	63.8	184.1	116.7	190.1	205.7	320.2	357.3	310.1	10.1	89.5	83.7	15.3
SMDH 00072	814196.5	8194101.4	166.3	4	5	90	2054.8	3308.9	1617.1	99.0	618.6	81.7	235.9	149.5	243.5	263.6	432.0	477.9	420.1	11.9	115.0	110.5	19.9
SMDH 00072	814196.5	8194101.4	166.3	5	6	60	1257.7	2303.3	871.0	111.8	488.6	69.7	201.4	127.7	207.9	225.1	358.0	410.1	344.6	13.4	105.7	93.0	21.4
SMDH 00072	814196.5	8194101.4	166.3	6	7	50	1859.2	2745.1	1527.5	98.7	414.2	59.1	170.6	108.2	176.1	190.6	320.5	366.3	308.3	12.1	94.9	83.7	18.4
SMDH 00072	814196.5	8194101.4	166.3	7	8	75	1727.3	3014.0	1330.3	102.6	441.4	95.6	275.9	175.0	284.9	308.4	429.0	477.3	417.8	11.2	116.0	110.5	21.4
SMDH 00072	814196.5	8194101.4	166.3	8	9	85	2083.7	3015.8	1767.7	81.7	396.7	64.5	186.4	118.2	192.4	208.2	294.4	332.7	285.3	9.0	84.9	77.7	16.8
SMDH 00072	814196.5	8194101.4	166.3	9	10	85	1396.4	2043.3	1138.4	86.9	305.9	42.9	124.0	78.6	128.0	138.5	317.5	358.1	305.5	12.0	97.1	82.2	10.7
SMDH 00072	814196.5	8194101.4	166.3	10	11	80	1536.6	2486.7	1195.9	101.2	406.6	65.6	189.6	120.2	195.7	211.8	319.7	367.2	306.8	12.9	101.6	85.5	15.3
SMDH 00072	814196.5	8194101.4	166.3	11	12	75	1679.0	2909.7	1251.4	109.8	554.1	83.4	240.7	152.6	248.6	269.0	450.7	501.5	436.0	14.8	133.0	122.2	16.8
SMDH 00072	814196.5	8194101.4	166.3	12	13	60	1566.5	2953.4	1135.3	110.5	488.6	102.2	295.1	187.1	304.7	329.8	363.0	414.9	349.5	13.5	111.8	96.4	18.4
SMDH 00072	814196.5	8194101.4	166.3	13	14	90	1629.5	3007.0	1153.9	142.6	537.8	98.3	283.9	180.0	293.2	317.3	394.6	461.5	376.7	17.9	130.8	107.0	23.0
SMDH 00072	814196.5	8194101.4	166.3	14	15	70	1617.7	2712.0	1212.8	122.1	493.8	74.1	213.9	135.6	220.8	239.0	420.7	477.7	405.7	15.0	124.8	110.4	21.4
SMDH 00072	814196.5	8194101.4	166.3	15	15.5	80	1506.1	2576.7	1127.7	97.1	499.3	71.5	206.4	130.9	213.1	230.7	382.8	428.2	370.3	12.5	110.8	100.4	15.3
SMDH 00072	814196.5	8194101.4	166.3	15.5	16	80	1506.1	2576.7	1127.7	97.1	499.3	71.5	206.4	130.9	213.1	230.7	382.8	428.2	370.3	12.5	110.8	100.4	15.3
SMDH 00073	814079.8	8194105.2	166.5	0	1	20	1165.6	2379.6	682.0	96.4	814.7	65.9	190.4	120.7	196.6	212.8	424.3	468.7	412.5	11.8	111.0	107.4	19.9
SMDH 00073	814079.8	8194105.2	166.5	1	2	50	1834.6	3219.3	1267.6	116.2	962.4	73.2	211.4	134.0	218.3	236.2	542.5	596.6	528.3	14.2	148.9	144.4	21.4
SMDH 00073	814079.8	8194105.2	166.5	2	3	60	1652.0	3525.2	1058.5	106.7	854.5	126.2	364.5	231.1	376.3	407.3	582.6	632.0	570.6	11.9	145.9	151.0	24.5
SMDH 00073	814079.8	8194105.2	166.5	3	4	50	1722.1	2705.6	1337.7	79.3	628.9	55.3	159.7	101.3	164.9	178.5	384.7	421.3	375.3	9.4	101.0	100.4	16.8
SMDH 00073	814079.8	8194105.2	166.5	4	5	60	2064.1	3083.6	1695.6	69.4	589.2	61.2	176.6	112.0	182.3	197.3	404.9	436.6	396.5	8.4	100.9	105.3	15.3
SMDH 00073	814079.8	8194105.2	166.5	5	6	70	2008.4	3309.7	1538.3	101.4	704.4	81.0	233.8	148.2	241.4	261.2	496.8	543.8	485.0	11.8	130.7	130.5	21.4
SMDH 00073	814079.8	8194105.2	166.5	6	7	60	3591.6	4800.8	3206.2	82.3	511.0	83.9	242.4	153.7	250.3	270.9	327.9	366.3	318.4	9.5	90.5	85.7	16.8
SMDH 00073	814079.8	8194105.2	166.5	7	8	98	1717.8	2667.8	1396.1	109.2	308.5	71.6	206.7	131.1	213.5	231.0	307.1	358.6	294.9	12.2	94.1	79.5	21.4
SMDH 00073	814079.8	8194105.2	166.5	8	9	90	1444.2	2814.4	953.4	160.2	532.5	98.0	282.9	179.4	292.1	316.1	335.3	410.2	316.3	19.0	113.5	85.3	30.6
SMDH 00073	814079.8	8194105.2	166.5	9	10	75	1530.3	2557.4	1205.0	107.3	290.7	80.0	231.1	146.5	238.6	258.2	337.9	388.1	325.5	12.4	102.3	90.5	21.4
SMDH 00073	814079.8	8194105.2	166.5	10	11	95	1782.3	3176.5	1310.9	162.0	443.6	105.6	305.0	193.4	315.0	340.9	379.3	455.0	360.4	19.0	123.5	98.9	32.1
SMDH 00073	814079.8	8194105.2	166.5	11	12	70	1892.3	3225.3	1524.7	54.7	486.3	97.2	280.7	178.0	289.9	313.7	412.5	437.6	406.4	6.1	95.9	105.2	13.8
SMDH 00073	814079.8	8194105.2	166.5	12	13	80	2288.5	3418.0	1973.3	54.7	395.4	83.4	240.8	152.7	248.7	269.1	572.7	597.5	565.9	6.8	128.4	144.3	12.2
SMDH 00073	814079.8	8194105.2	166.5	13	13.5	60	1577.2	2151.7	1361.9	43.3	344.4	33.7	97.3	61.7	100.5	108.8	465.0	484.3	458.6	6.4	107.6	117.9	7.7
SMDH 00073	814079.8	8194105.2	166.5	13.5	14	60	1577.2	2151.7	1361.9	43.3	344.4	33.7	97.3	61.7	100.5	108.8	465.0	484.3	458.6	6.4	107.6	117.9	7.7
SMDH 00074	813958.7	8194101.9	168.0	0	1	20	1038.1	2193.7	550.4	113.0	797.6	61.4	177.4	112.5	183.2	198.2	337.8	389.4	326.1	11.7	81.5	76.0	32.1
SMDH 00074	813958.7	8194101.9	168.0	1	2	85	1313.2	2563.3	836.5	113.7	708.9	75.8	218.9	138.8	226.0	244.6	361.1	413.3	349.1	12.0	92.1	87.8	30.6
SMDH 00074	813958.7	8194101.9	168.0	2	3	80	1237.1	2440.8	765.2	136.7	630.8	76.1	219.9	139.4	227.0	245.7	504.9	567.2	487.3	17.6	144.4	133.2	27.6
SMDH 00074	813958.7	8194101.9	168.0	3	4	75	2198.5	3447.6	1736.2	122.2	626.2	80.7	233.1	147.8	240.7	260.5	443.1	499.5	429.0	14.2	118.8	113.7	27.6
SMDH 00074	813958.7	8194101.9	168.0	4	5	90	1688.6	3005.9	1222.4	111.7	645.1	86.1	248.6	157.6	256.7	277.8	403.5	454.5	389.8	13.7	108.6	102.5	24.5
SMDH 00074	813958.7	8194101.9	168.0	5	6	80	1948.5	3468.8	1399.8	145.0	724.9	100.5	290.3	184.1	299.8	324.4	365.0	431.0	346.2	18.8	111.0	92.5	29.1
SMDH 00074	813958.7	8194101.9	168.0	6	7	75	1810.7	3334.9	1287.5	129.3	687.2	103.2	298.0	189.0	307.7	333.0	360.8	420.1	344.6	16.2	105.4	89.8	26.0
SMDH 00074	813958.7	8194101.9	168.0	7	8	80	1493.9	3600.6	784.7	153.6	990.7	140.1	404.7	256.6	417.9	452.2	208.9	280.2	193.6	15.3	70.6	49.0	41.3
SMDH 00074	813958.7	8194101.9	168.0	8	9	90	1496.4	3318.7	943.2	96.2	771.2	126.4	365.1	231.5	377.0	408.0	327.1	371.4	316.8	10.3	86.2	82.3	24.5
SMDH 00074	813958.7	8194101.9	168.0	9	10	80	1663.9	3618.5	1087.2	110.5	739.9	140.9	406.9	258.0	420.2	454.8	450.7	501.2	437.6	13.0	115.2	114.5	26.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00074	813958.7	8194101.9	168.0	10	11	95	2095.1	4394.6	1488.9	117.6	653.2	179.0	516.9	327.8	533.7	577.6	430.9	484.5	416.4	14.4	114.4	109.5	26.0
SMDH 00074	813958.7	8194101.9	168.0	11	12	95	1945.5	3819.0	1354.2	131.2	757.4	132.1	381.6	241.9	394.0	426.4	445.2	505.7	430.3	14.9	120.6	113.3	30.6
SMDH 00074	813958.7	8194101.9	168.0	12	13	95	1424.3	2737.1	965.2	119.4	593.3	88.8	256.4	162.6	264.8	286.5	423.4	477.8	407.6	15.8	116.3	104.8	23.0
SMDH 00074	813958.7	8194101.9	168.0	13	14	98	1695.2	3068.8	1193.4	144.1	629.6	92.4	266.7	169.1	275.4	298.1	435.7	501.4	416.3	19.4	124.7	105.4	26.0
SMDH 00074	813958.7	8194101.9	168.0	14	15	98	1433.1	2672.6	1007.8	108.1	547.8	84.6	244.3	154.9	252.2	273.0	433.6	482.3	418.4	15.2	114.7	106.1	19.9
SMDH 00074	813958.7	8194101.9	168.0	15	16	98	1396.5	2520.1	987.0	100.3	574.9	71.9	207.7	131.7	214.5	232.1	458.8	504.0	445.6	13.3	114.9	112.9	21.4
SMDH 00074	813958.7	8194101.9	168.0	16	17	98	1421.4	2633.2	1015.6	90.9	552.8	81.7	235.8	149.5	243.4	263.5	391.8	433.0	379.8	12.0	100.3	96.3	18.4
SMDH 00074	813958.7	8194101.9	168.0	17	18	90	1486.1	3012.6	1061.4	80.1	506.7	114.4	330.3	209.4	341.1	369.1	353.1	389.1	342.0	11.1	91.9	87.5	15.3
SMDH 00074	813958.7	8194101.9	168.0	18	18.5	75	1536.2	2958.1	1100.6	94.5	545.4	102.1	294.8	186.9	304.4	329.4	374.8	417.9	363.4	11.4	96.6	92.2	21.4
SMDH 00074	813958.7	8194101.9	168.0	18.5	19	75	1536.2	2958.1	1100.6	94.5	545.4	102.1	294.8	186.9	304.4	329.4	374.8	417.9	363.4	11.4	96.6	92.2	21.4
SMDH 00075	813837.9	8194101.1	167.9	0	1	30	1359.4	2978.9	740.1	96.9	1108.0	86.7	250.3	158.7	258.5	279.8	427.6	472.1	414.3	13.4	117.0	107.0	15.3
SMDH 00075	813837.9	8194101.1	167.9	1	2	50	2076.8	3563.0	1493.7	148.0	855.9	89.3	257.9	163.5	266.3	288.2	428.5	497.3	409.4	19.2	134.2	108.7	24.5
SMDH 00075	813837.9	8194101.1	167.9	2	3	50	2375.0	3944.7	1827.7	139.6	715.2	105.8	305.6	193.8	315.5	341.5	424.5	489.1	406.5	18.0	124.9	103.3	24.5
SMDH 00075	813837.9	8194101.1	167.9	3	4	90	2132.0	4031.8	1470.4	150.8	928.9	124.2	358.7	227.4	370.4	400.9	558.8	627.8	538.8	20.0	152.3	135.0	27.6
SMDH 00075	813837.9	8194101.1	167.9	4	5	85	1648.4	3159.4	1099.2	137.3	759.1	97.6	281.8	178.7	290.9	314.9	403.2	466.8	386.3	16.9	118.7	98.1	26.0
SMDH 00075	813837.9	8194101.1	167.9	5	6	95	1990.0	3716.6	1378.0	122.4	936.1	107.3	309.9	196.5	320.0	346.3	538.1	593.7	521.6	16.5	135.5	126.6	23.0
SMDH 00075	813837.9	8194101.1	167.9	6	7	75	2238.3	4304.8	1554.1	106.4	1091.0	130.2	376.1	238.4	388.3	420.3	639.6	688.3	626.1	13.5	153.3	154.3	21.4
SMDH 00075	813837.9	8194101.1	167.9	7	8	95	2322.2	4310.0	1666.3	127.6	949.2	131.4	379.3	240.5	391.7	423.9	621.7	680.2	605.7	16.0	158.4	152.9	26.0
SMDH 00075	813837.9	8194101.1	167.9	8	9	75	2039.6	3840.9	1465.5	108.8	811.8	122.0	352.2	223.3	363.7	393.6	488.1	538.5	475.3	12.8	122.8	116.2	23.0
SMDH 00075	813837.9	8194101.1	167.9	9	10	98	1726.1	3066.8	1259.0	133.2	559.1	93.5	270.1	171.3	278.9	301.8	472.0	533.4	455.0	17.0	132.6	118.8	24.5
SMDH 00075	813837.9	8194101.1	167.9	10	11	98	1444.1	2713.7	1001.0	110.5	588.7	85.0	245.4	155.6	253.4	274.2	387.0	437.8	372.6	14.4	106.4	93.7	19.9
SMDH 00075	813837.9	8194101.1	167.9	11	12	85	1751.7	3218.9	1205.8	156.7	698.2	97.1	280.4	177.8	289.5	313.4	596.6	667.2	572.9	23.7	168.0	150.1	23.0
SMDH 00075	813837.9	8194101.1	167.9	12	13	85	1747.3	3000.5	1296.8	114.4	609.8	82.1	237.1	150.4	244.9	265.0	556.2	608.6	540.8	15.4	141.6	136.7	19.9
SMDH 00075	813837.9	8194101.1	167.9	13	14	90	1847.7	3704.0	1348.2	67.7	662.7	136.3	393.5	249.5	406.3	439.7	435.9	466.9	429.2	6.7	101.1	111.3	19.9
SMDH 00075	813837.9	8194101.1	167.9	14	15	75	1592.6	2979.7	1071.0	140.6	707.3	88.9	256.8	162.8	265.2	287.0	482.8	546.7	464.6	18.3	131.1	120.3	29.1
SMDH 00075	813837.9	8194101.1	167.9	15	16	80	1531.6	3595.2	927.2	57.1	981.7	136.6	394.5	250.1	407.3	440.8	167.8	194.2	163.0	4.8	40.7	39.2	18.4
SMDH 00075	813837.9	8194101.1	167.9	16	17	90	2150.3	3823.3	1607.6	121.9	712.7	115.8	334.4	212.0	345.3	373.7	568.9	624.0	553.5	15.4	141.3	142.1	27.6
SMDH 00075	813837.9	8194101.1	167.9	17	18	75	1779.3	3453.5	1207.3	125.8	803.9	110.4	318.7	202.1	329.1	356.2	468.3	525.9	453.9	14.4	123.7	119.0	30.6
SMDH 00075	813837.9	8194101.1	167.9	18	18.5	80	1729.5	3469.6	1142.6	131.0	807.3	116.4	336.2	213.2	347.2	375.7	493.2	551.5	474.6	18.6	132.9	123.5	26.0
SMDH 00075	813837.9	8194101.1	167.9	18.5	19	80	1729.5	3469.6	1142.6	131.0	807.3	116.4	336.2	213.2	347.2	375.7	493.2	551.5	474.6	18.6	132.9	123.5	26.0
SMDH 00076	813717.0	8194099.7	164.4	0	1	50	1043.1	2235.8	568.5	78.0	858.8	61.2	176.8	112.1	182.6	197.6	322.1	357.3	310.5	11.5	84.0	77.1	12.2
SMDH 00076	813717.0	8194099.7	164.4	1	2	15	1636.5	3586.5	798.7	109.1	1695.8	82.4	237.9	150.9	245.7	265.9	520.4	570.1	505.2	15.2	130.7	125.4	18.4
SMDH 00076	813717.0	8194099.7	164.4	2	3	80	1395.9	3716.7	567.0	116.0	1457.9	132.1	381.5	241.9	393.9	426.3	198.5	253.3	189.7	8.9	58.1	49.0	36.7
SMDH 00076	813717.0	8194099.7	164.4	3	4	80	1951.6	3779.5	1310.7	119.1	1003.9	112.8	325.8	206.6	336.4	364.1	158.4	214.7	148.7	9.7	55.2	40.3	35.2
SMDH 00076	813717.0	8194099.7	164.4	4	5	90	2186.7	4574.2	1553.8	166.3	530.1	194.8	562.7	356.8	581.0	628.8	176.6	255.7	165.0	11.6	66.1	47.6	53.6
SMDH 00076	813717.0	8194099.7	164.4	5	6	98	1633.5	3313.7	1187.6	136.7	303.0	141.4	408.3	258.9	421.6	456.3	82.0	147.9	77.0	4.9	26.9	20.5	56.6
SMDH 00076	813717.0	8194099.7	164.4	6	6.5	90	1872.8	4175.6	1249.3	155.9	574.9	184.1	531.6	337.0	548.8	594.0	92.7	167.5	86.6	6.1	30.2	22.4	64.3
SMDH 00076	813717.0	8194099.7	164.4	6.5	7	90	1872.8	4175.6	1249.3	155.9	574.9	184.1	531.6	337.0	548.8	594.0	92.7	167.5	86.6	6.1	30.2	22.4	64.3
SMDH 00077	813597.1	8194101.1	163.9	0	1	75	1149.1	2433.4	764.4	44.8	608.5	85.2	245.9	155.9	253.9	274.8	155.3	176.0	151.3	4.0	38.0	37.4	13.8
SMDH 00077	813597.1	8194101.1	163.9	1	2	60	1578.8	3376.3	943.3	140.0	923.1	114.9	331.7	210.3	342.5	370.6	546.1	610.3	528.3	17.8	140.1	130.9	27.6
SMDH 00077	813597.1	8194101.1	163.9	2	3	80	1915.8	4010.7	1218.5	171.8	886.8	145.4	419.7	266.1	433.4	469.1	564.1	642.6	541.9	22.2	154.9	137.5	33.7
SMDH 00077	813597.1	8194101.1	163.9	3	4	70	1969.2	3653.8	1413.6	122.3	752.6	114.5	330.6	209.6	341.3	369.4	596.3	652.4	581.3	15.0	143.1	142.1	26.0
SMDH 00077	813597.1	8194101.1	163.9	4	5	85	2016.6	3313.9	1606.7	84.1	550.7	89.9	259.6	164.6	268.1	290.1	574.8	613.4	564.7	10.1	124.8	132.6	18.4
SMDH 00077	813597.1	8194101.1	163.9	5	6	98	1912.3	3748.3	1337.4	113.3	781.3	127.1	367.1	232.8	379.0	410.2	404.3	456.3	390.2	14.2	104.9	94.7	23.0
SMDH 00077	813597.1	8194101.1	163.9	6	7	80	1845.5	3293.6	1387.2	140.4	447.9	110.5	319.1	202.3	329.5	356.6	479.2	543.4	460.6	18.6	131.6	116.1	26.0
SMDH 00077	813597.1	8194101.1	163.9	7	8	98	2189.6	4238.8	1503.4	166.8	886.8	141.0	407.2	258.2	420.4	455.0	602.0	677.7	579.2	22.8	164.0	148.0	30.6
SMDH 00077	813597.1	8194101.1	163.9	8	9	85	1793.2	3495.7	1289.6	85.2	689.5	120.0	346.6	219.7	357.8	387.3	310.2	349.4	300.4	9.8	76.5	70.8	19.9
SMDH 00077	813597.1	8194101.1	163.9	9	10	85	1879.9	2703.3	1624.8	58.9	311.3	59.4	171.5	108.7	177.1	191.6	214.9	242.0	208.2	6.7	54.2	49.4	13.8
SMDH 00077	813597.1	8194101.1	163.9	10	11	75	1810.3	3435.7	1345.4	60.8	675.0	113.6	327.9	207.9	338.6	366.4	349.6	377.7	344.0	5.6	74.9	81.8	18.4
SMDH 00078	813488.3	8194118.6	162.9	0	1	5	2495.3	4347.6	1590.5	180.0	1729.8	71.0	205.1	130.1	211.8	229.3	1032.6	1112.2	1000.4	32.3	266.4	255.9	15.3
SMDH 00078	813488.3	8194118.6	162.9	1	2	15	1512.4	3003.5	1026.6	109.0	641.3	102.8	297.0	188.3	306.6	331.9	525.1	575.0	511.1	14.1	132.0	129.6	21.4
SMDH 00078	813488.3	8194118.6	162.9	2	3	30	1720.0	3267.7	1173.0	133.2	748.6	101.7	293.7	186.2	303.2	328.2	559.0	620.4	541.5	17.5	148.5	137.4	23.0
SMDH 00078	813488.3	8194118.6	162.9	3	4	80	1629.8	3361.1	1071.8	130.1	709.6	121.5	351.0	222.5	362.4	392.2	476.2	535.8	459.2	16.9	130.1	118.5	24.5
SMDH 00078	813488.3	8194118.6	162.9	4	5	40	1564.6	3146.8	1048.6	121.6	660.8	110.3	318.6	202.0	328.9	356.0	414.8	470.6	399.1	15.7	113.2	100.5	23.0
SMDH 00078	813488.3	8194118.6	162.9	5	6	100	2146.1	4073.1	1530.6	130.4	822.0	133.3	384.9	244.1	397.5	430.2	563.7	623.9	547.3	16.4	150.3	143.0	24.5
SMDH 00078	813488.3	8194118.6	162.9	6	7	50	2363.0	4129.5	1782.3	151.6	697.2	125.6	362.8	230.0	374.6	405.4	766.5	835.5	744.6	21.9	201.5	194.1	23.0
SMDH 00078	813488.3	8194118.6	162.9	7	8	70	1740.2	3559.1	1163.8	127.0	745.2	127.7	368.8	233.8	380.8	412.1	447.6	506.5	432.1	15.6	124.0	111.3	24.5
SMDH 00078	813488.3	8194118.6	162.9	8	9	60	1706.8	3379.8	1144.7	140.6	714.9	115.7	334.0	211.8	344.9	373.2	515.0	579.3	497.4	17.6	138.8	129.6	29.1
SMDH 00079	813357.8	8194106.4	160.2	0	1	10	965.7	1715.3	627.4	79.5	574.7	36.4	105.0	66.6	108.4	117.4	406.4	442.4	393.5	12.9	109.8	102.7	7.7
SMDH 00079	813357.8	8194106.4	160.2	1	2	15	1194.6	2353.8	790.3	105.3	520.5	78.6	227.0	143.9	234.4	253.7	343.7	392.1	329.3	14.4	100.0	85.5	16.8
SMDH 00079	813357.8	8194106.4	160.2	2	3	15	2586.8	4133.3	1827.6	186.5	1326.4	66.5	192.0	121.7	198.2	214.5	992.8	1076.0	961.1	31.7	260.7	249.1	18.4
SMDH 00079	813357.8	8194106.4	160.2	3	4	50	2189.7	4140.7	1549.4	179.3	722.9	141.6	408.9	259.3	422.2	457.0	482.0	563.7	457.2	24.8	145.1	117.9	30.6
SMDH 00079	813357.8	8194106.4	160.2	4	5	70	1817.7	3580.6	1244.1	143.5	702.1	125.0	361.0	228.9	372.7	403.4	432.6	498.4	413.8	18.9	125.2	106.9	26.0
SMDH 00079	813357.8	8194106.4	160.2	5	6	100	2042.5	3620.0	1530.4	130.5	616.5	112.6	325.0	206.1	335.6	363.2	387.8	447.6	369.5	18.3	118.2	96.6	19.9
SMDH 00079	813357.8	8194106.4	160.2	6	7	80	1659.1	3270.9	1129.4	147.3	602.8	116.7	336.9	213.6	347.8	376.5	387.9	456.2	367.9	20.0	121.5	92.9	21.4
SMDH 00079	813357.8	8194106.4	160.2	7	8	90	1645.2	3316.2	1060.2	179.3	658.5	118.9	343.4	217.7	354.5	383.7	417.7	499.7	391.5	26.2	140.9	102.8	24.5
SMDH 00079	813357.8	8194106.4	160.2	8	9	10	1840.4	3794.5	1206.7	162.9	757.1	139.8	403.8	256.0	417.0	451.3	474.7	549.5	452.4	22.3	143.8	117.7	26.0
SMDH 00080	813236.7	8194094.9	159.6	0	1	10	1330.0	2827.2	824.9	113.0	693.8	100.2	289.4	183.5	298.9	323.5	395.9	448.1	381.3	14.5	111.9	98.4	19.9
SMDH 00080	813236.7	8194094.9	159.6	1	2	10																	
SMDH 00080	813236.7	8194094.9	159.6	2	3	10	3912.8	5083.8	3461.0	160.7	486.2	81.8	236.3	149.8	243.9	264.0	457.4	531.0	436.1	21.4	132.9	111.1	29.1
SMDH 00080	813236.7	8194094.9	159.6	3	4	80	3673.2	5111.5	3276.8	62.2	512.2	105.7	305.1	193.5	315.0	341.0	319.3	347.2	311.5	7.8	75.2	78.3	15.3

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00080	813236.7	8194094.9	159.6	4	5	90	2063.3	3603.3	1653.8	53.6	541.5	113.6	327.9	207.9	338.6	366.4	320.2	345.1	315.7	4.5	68.0	75.8	16.8
SMDH 00080	813236.7	8194094.9	159.6	5	6	90	1357.9	2775.2	967.0	54.2	531.8	102.5	295.9	187.6	305.5	330.7	162.8	188.3	158.5	4.3	38.7	37.2	16.8
SMDH 00080	813236.7	8194094.9	159.6	6	7	80	1204.8	2211.0	921.9	39.0	395.1	71.7	207.0	131.2	213.7	231.3	71.4	89.8	68.9	2.5	18.6	14.7	13.8
SMDH 00081	813119.4	8194102.1	158.6	0	1	10	1258.4	2177.3	943.6	73.1	429.6	61.3	177.0	112.2	182.8	197.8	427.9	461.0	418.0	9.9	104.1	106.4	13.8
SMDH 00081	813119.4	8194102.1	158.6	1	2	10	2118.6	3205.9	1808.1	51.4	410.9	78.4	226.5	143.6	233.9	253.1	419.9	443.8	414.4	5.5	94.5	104.3	12.2
SMDH 00081	813119.4	8194102.1	158.6	2	3	20	2042.1	3429.4	1652.4	76.7	460.3	104.0	300.2	190.4	310.0	335.5	576.8	611.5	566.6	10.2	137.7	147.9	15.3
SMDH 00081	813119.4	8194102.1	158.6	3	4	80	1604.7	3296.2	1086.6	127.1	595.0	124.7	360.2	228.4	371.9	402.5	398.1	457.2	382.3	15.8	116.5	99.2	23.0
SMDH 00081	813119.4	8194102.1	158.6	4	5	80	1285.6	2456.4	937.9	66.2	451.4	83.9	242.3	153.7	250.2	270.8	301.4	331.8	293.3	8.1	78.2	75.7	13.8
SMDH 00081	813119.4	8194102.1	158.6	5	6	70	1334.3	2678.6	926.0	82.2	529.1	95.7	276.3	175.2	285.3	308.8	314.6	352.8	304.9	9.7	84.1	78.1	16.8
SMDH 00081	813119.4	8194102.1	158.6	6	7	90	1647.3	3174.7	1133.3	131.0	646.6	106.0	306.0	194.0	316.0	342.0	478.9	539.2	461.7	17.2	134.5	120.3	23.0
SMDH 00081	813119.4	8194102.1	158.6	7	8	100	1514.1	3103.7	1037.5	111.7	550.2	117.7	340.0	215.6	351.1	379.9	413.3	465.1	400.1	13.2	114.1	105.0	23.0
SMDH 00081	813119.4	8194102.1	158.6	8	9	100	1143.7	2527.9	730.1	92.3	492.2	101.7	293.8	186.3	303.3	328.3	293.0	336.1	282.2	10.8	82.6	71.7	18.4
SMDH 00081	813119.4	8194102.1	158.6	9	10	100	1196.6	2449.0	799.7	95.3	484.7	89.7	258.9	164.2	267.3	289.3	316.1	359.9	303.6	12.5	90.5	78.5	16.8
SMDH 00082	812999.7	8194094.5	158.1	0	1	5	1967.8	3638.6	1416.2	129.7	717.9	115.3	332.9	211.1	343.7	372.0	491.6	551.7	474.2	17.4	137.4	119.4	19.9
SMDH 00082	812999.7	8194094.5	158.1	1	2	10	2910.8	4367.2	2457.4	133.0	453.1	111.0	320.5	203.2	330.9	358.1	401.3	463.2	384.5	16.8	123.1	103.1	23.0
SMDH 00082	812999.7	8194094.5	158.1	2	3	10	2503.9	3758.8	2090.5	144.3	365.5	97.1	280.5	177.8	289.6	313.4	448.5	515.5	430.1	18.4	140.6	119.2	24.5
SMDH 00082	812999.7	8194094.5	158.1	3	4	70	1765.6	3209.9	1285.6	171.5	415.8	112.1	323.7	205.2	334.2	361.7	381.9	460.7	357.6	24.3	132.2	95.0	24.5
SMDH 00082	812999.7	8194094.5	158.1	4	5	80	2286.9	3953.7	1595.7	148.1	1160.1	88.0	254.2	161.2	262.4	284.0	273.8	342.6	254.3	19.5	101.2	67.4	23.0
SMDH 00082	812999.7	8194094.5	158.1	5	6	100	1330.8	2682.7	838.7	206.5	377.9	105.6	305.0	193.4	314.9	340.8	303.5	399.4	274.8	28.7	135.4	80.5	27.6
SMDH 00082	812999.7	8194094.5	158.1	6	7	50	1475.9	2698.7	992.0	197.2	445.2	89.2	257.7	163.4	266.1	288.0	306.1	397.6	277.8	28.4	132.9	77.6	23.0
SMDH 00082	812999.7	8194094.5	158.1	7	8	100	1918.6	3490.5	1347.5	198.8	585.9	113.9	328.9	208.5	339.6	367.5	483.2	575.8	456.4	26.8	164.8	122.0	27.6
SMDH 00082	812999.7	8194094.5	158.1	8	9	70	1710.3	2818.0	1328.4	130.3	373.6	82.6	238.7	151.3	246.4	266.7	280.8	341.0	263.1	17.7	100.0	72.1	19.9
SMDH 00082	812999.7	8194094.5	158.1	9	10	60	1213.4	2717.7	709.0	148.5	559.0	109.1	315.0	199.8	325.3	352.1	308.9	378.0	290.3	18.6	108.4	79.5	26.0
SMDH 00082	812999.7	8194094.5	158.1	10	11	50	1463.4	3062.7	908.7	153.2	678.1	110.9	320.2	203.1	330.7	357.9	388.4	458.9	368.9	19.5	120.3	97.6	29.1
SMDH 00082	812999.7	8194094.5	158.1	11	12	100	1377.8	2962.1	881.2	139.0	526.0	118.7	342.8	217.4	353.9	383.1	304.4	369.4	288.4	16.0	100.6	77.1	27.6
SMDH 00083	812880.9	8194105.5	157.9	0	1	10	750.5	1945.8	385.9	74.2	471.8	85.0	245.5	155.6	253.4	274.3	157.2	191.9	149.2	8.0	52.2	40.6	16.8
SMDH 00083	812880.9	8194105.5	157.9	1	2	15	851.1	2041.3	486.5	73.6	476.2	84.3	243.3	154.3	251.2	271.9	234.8	268.7	225.8	8.9	65.7	58.2	15.3
SMDH 00083	812880.9	8194105.5	157.9	2	3	20	1473.5	2886.8	1043.4	90.0	546.0	101.2	292.3	185.4	301.8	326.7	340.2	381.9	329.9	10.3	93.4	86.4	19.9
SMDH 00083	812880.9	8194105.5	157.9	3	4	60	1447.8	2575.7	1108.3	59.2	468.0	78.8	227.6	144.3	235.0	254.4	313.7	340.9	307.3	6.4	77.2	79.0	15.3
SMDH 00083	812880.9	8194105.5	157.9	4	5	100	1456.4	2877.9	1053.1	59.7	554.8	101.5	293.0	185.8	302.6	327.5	274.3	301.5	267.6	6.7	71.7	71.7	15.3
SMDH 00083	812880.9	8194105.5	157.9	5	6	100	1293.2	2553.4	927.1	65.6	476.8	90.9	262.4	166.4	270.9	293.2	344.7	375.5	337.9	6.8	82.7	84.3	15.3
SMDH 00083	812880.9	8194105.5	157.9	6	7	90	1239.3	2349.7	927.0	57.4	384.2	82.3	237.5	150.6	245.3	265.4	298.3	324.6	291.7	6.6	73.6	76.0	13.8
SMDH 00083	812880.9	8194105.5	157.9	7	8	100	999.8	2018.4	714.0	43.9	381.8	73.7	212.7	134.9	219.7	237.7	229.8	249.8	224.7	5.1	58.8	60.0	10.7
SMDH 00084	812764.0	8194108.8	157.7	0	1	10	1149.3	2542.6	614.7	104.6	882.9	78.9	227.7	144.4	235.1	254.5	352.3	400.1	336.4	15.8	107.5	89.8	12.2
SMDH 00084	812764.0	8194108.8	157.7	1	2	20	541.4	1164.9	327.6	51.2	287.0	41.9	120.9	76.6	124.8	135.0	169.6	193.3	163.6	5.9	46.6	41.7	10.7
SMDH 00084	812764.0	8194108.8	157.7	2	3	30	735.5	1723.8	420.5	77.1	382.2	70.8	204.4	129.6	211.0	228.4	223.4	259.0	213.9	9.5	66.3	56.9	15.3
SMDH 00084	812764.0	8194108.8	157.7	3	4	70	1249.2	2445.5	768.1	90.2	836.7	62.9	181.7	115.2	187.6	203.1	339.4	380.4	326.8	12.6	98.4	89.7	15.3
SMDH 00084	812764.0	8194108.8	157.7	4	5	70	1067.8	2763.5	576.5	97.0	605.1	124.5	359.5	227.9	371.2	401.7	270.6	315.7	259.2	11.3	80.6	68.3	19.9
SMDH 00084	812764.0	8194108.8	157.7	5	6	70	2376.3	4486.8	1493.9	177.9	1530.0	107.7	311.1	197.3	321.2	347.7	847.5	928.9	821.6	25.9	232.8	219.4	24.5
SMDH 00084	812764.0	8194108.8	157.7	6	7	100	1838.7	2812.4	1461.7	110.5	493.0	62.7	180.9	114.7	186.8	202.2	882.5	931.9	864.6	17.9	216.3	227.7	13.8
SMDH 00084	812764.0	8194108.8	157.7	7	8	100	630.6	1477.9	391.9	38.8	312.8	61.6	177.8	112.7	183.6	198.7	176.2	194.0	171.8	4.5	45.9	45.6	9.2
SMDH 00084	812764.0	8194108.8	157.7	8	9	80	1395.0	2126.7	1173.7	41.1	297.4	51.5	148.8	94.3	153.6	166.2	291.1	309.6	285.8	5.3	66.2	70.1	9.2
SMDH 00084	812764.0	8194108.8	157.7	9	10	70	2007.1	2802.8	1814.4	34.7	185.6	64.4	186.0	117.9	192.0	207.8	197.8	213.4	193.8	4.0	45.7	48.5	9.2
SMDH 00084	812764.0	8194108.8	157.7	10	11	40	1235.6	1964.3	999.7	33.2	380.7	46.2	133.3	84.5	137.7	149.0	173.3	188.9	170.3	3.0	41.3	41.7	9.2
SMDH 00085	812646.4	8194099.0	157.5	0	1	30	1049.8	2447.1	583.4	117.1	587.0	97.2	280.7	178.0	289.9	313.7	272.0	326.4	257.9	14.1	86.4	67.8	23.0
SMDH 00085	812646.4	8194099.0	157.5	1	2	75	1509.3	3309.5	990.8	149.7	461.1	143.2	413.5	262.2	426.9	462.1	276.0	345.7	259.0	16.9	93.1	67.5	32.1
SMDH 00085	812646.4	8194099.0	157.5	2	3	75	959.1	2701.0	481.2	148.7	346.0	144.6	417.7	264.8	431.2	466.7	257.7	327.5	242.5	15.3	87.3	63.8	35.2
SMDH 00085	812646.4	8194099.0	157.5	3	4	40	1283.3	2393.8	767.9	105.0	949.3	47.9	138.4	87.7	142.9	154.6	439.2	487.2	424.1	15.1	117.8	107.2	15.3
SMDH 00085	812646.4	8194099.0	157.5	4	5	80	1306.3	2361.6	873.9	102.2	684.8	58.7	169.6	107.6	175.2	189.6	395.4	442.6	381.9	13.5	108.1	97.4	16.8
SMDH 00085	812646.4	8194099.0	157.5	5	6	70	1393.3	2367.2	985.0	109.6	610.3	55.5	160.4	101.7	165.6	179.2	605.8	655.4	589.2	16.6	152.5	149.3	15.3
SMDH 00085	812646.4	8194099.0	157.5	6	7	90	3691.5	4889.2	3022.1	244.2	960.6	55.5	160.4	101.7	165.6	179.2	1907.8	2016.5	1864.2	43.6	463.1	475.1	18.4
SMDH 00085	812646.4	8194099.0	157.5	7	8	80	1612.0	2654.2	1226.6	90.3	563.7	64.9	187.3	118.8	193.4	209.3	627.8	668.4	614.3	13.5	146.6	152.2	13.8
SMDH 00085	812646.4	8194099.0	157.5	8	9	75	1379.7	2432.9	1032.3	65.9	508.8	69.2	200.0	126.8	206.5	223.4	343.9	373.8	335.3	8.6	83.6	84.4	13.8
SMDH 00085	812646.4	8194099.0	157.5	9	10	60	1650.5	2969.4	1222.2	96.5	561.8	91.3	263.6	167.1	272.2	294.6	477.3	521.7	465.9	11.4	118.4	119.5	21.4
SMDH 00085	812646.4	8194099.0	157.5	10	11	90	1066.6	2351.9	707.8	58.8	462.8	94.1	271.8	172.3	280.6	303.7	250.1	277.4	243.8	6.4	63.4	62.4	13.8
SMDH 00085	812646.4	8194099.0	157.5	11	12	95	1331.8	2744.8	911.4	63.7	606.6	97.5	281.6	178.6	290.8	314.7	269.8	299.0	261.7	8.1	71.4	67.6	12.2
SMDH 00085	812646.4	8194099.0	157.5	12	13	98	1346.5	2964.6	874.0	91.6	594.0	117.8	340.2	215.7	351.2	380.1	305.2	348.2	297.1	8.1	78.8	76.6	26.0
SMDH 00085	812646.4	8194099.0	157.5	13	14	70	1194.1	2331.3	885.8	43.9	405.6	83.5	241.1	152.9	249.0	269.5	234.3	255.2	231.1	3.2	53.6	57.1	13.8
SMDH 00086	814493.3	8194226.3	168.5	0	1	10	1252.0	4050.5	495.4	101.2	1015.3	204.5	590.4	374.4	609.6	659.8	304.0	351.1	293.3	10.8	82.6	75.4	24.5
SMDH 00086	814493.3	8194226.3	168.5	1	2	40	1286.4	3672.6	616.5	133.7	783.4	179.3	517.9	328.4	534.7	578.7	391.7	454.2	378.7	13.0	103.7	95.7	35.2
SMDH 00086	814493.3	8194226.3	168.5	2	3	60	971.6	2432.9	521.2	113.1	512.2	107.9	311.4	197.5	321.6	348.0	307.1	360.1	295.6	11.4	88.3	78.9	27.6
SMDH 00086	814493.3	8194226.3	168.5	3	4	60																	
SMDH 00086	814493.3	8194226.3	168.5	4	5	75	2101.4	3414.2	1691.8	110.1	447.5	97.7	282.0	178.8	291.2	315.1	299.5	350.6	286.6	12.9	87.2	74.0	23.0
SMDH 00086	814493.3	8194226.3	168.5	5	6	75	1765.0	3105.6	1315.4	131.3	502.1	97.0	280.1	177.6	289.2	313.0	322.3	382.9	305.7	16.6	102.7	82.4	24.5
SMDH 00086	814493.3	8194226.3	168.5	6	7	80	3700.3	4821.4	3307.0	115.2	463.3	78.5	226.6	143.7	234.0	253.2	248.2	301.9	235.1	13.1	79.5	62.3	24.5
SMDH 00086	814493.3	8194226.3	168.5	7	8	98	1042.4	2270.3	638.6	106.9	479.6	87.6	253.1	160.5	261.3	282.8	340.2	389.5	327.9	12.2	91.6	83.2	24.5
SMDH 00086	814493.3	8194226.3	168.5	8	9	80	1142.9	2780.9	658.3	115.7	540.9	122.9	355.0	225.1	366.5	396.7	368.5	422.3	355.6	12.9	104.5	94.5	26.0
SMDH 00086	814493.3	8194226.3	168.5	9	10	80	1251.0	2695.5	795.3	124.5	498.6	107.1	309.2	196.1	319.3	345.5	352.9	409.6	337.1	15.8	101.7	88.4	26.0
SMDH 00086	814493.3	8194226.3	168.5	10	11	80	1082.2	2494.5	648.4	111.5	481.7	105.1	303.4	192.4	313.2	339.0	348.3	400.1	336.5	11.8	96.5	89.9	27.6
SMDH 00086	814493.3	8194226.3	168.5	11	12	90	1007.9	2204.9	591.9	85.4	616.9	76.4	220.5	139.8	227.7	246.4	317.7	357.2	308.2	9.5	83.0	79.2	19.9
SMDH 00086	814493.3	8194226.3	168.5	12	13	75	1315.5	2575.4	930.9	75.4	508.6	88.9	256.7	162.8	265.1	286.9	238.5	273.9	231.3	7.2	62.7	58.4	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00086	814493.3	8194226.3	168.5	13	14	98	2015.2	3384.8	1592.4	93.4	528.6	98.1	283.4	179.7	292.6	316.7	289.5	333.1	279.9	9.6	79.3	72.8	23.0
SMDH 00086	814493.3	8194226.3	168.5	14	15	98	2160.5	3758.6	1593.4	153.3	723.9	108.0	311.8	197.7	322.0	348.5	345.5	416.8	328.7	16.8	106.9	87.3	35.2
SMDH 00086	814493.3	8194226.3	168.5	15	15.5	95	1127.0	1873.0	905.6	43.2	283.3	53.7	155.2	98.4	160.2	173.4	250.9	270.9	246.7	4.2	55.9	59.0	12.2
SMDH 00086	814493.3	8194226.3	168.5	15.5	16	95	1127.0	1873.0	905.6	43.2	283.3	53.7	155.2	98.4	160.2	173.4	250.9	270.9	246.7	4.2	55.9	59.0	12.2
SMDH 00087	814380.8	8194222.0	168.4	0	1	40	1968.1	4030.1	1016.0	99.7	2091.2	69.0	199.3	126.4	205.8	222.7	655.0	699.7	639.4	15.6	167.2	171.1	13.8
SMDH 00087	814380.8	8194222.0	168.4	1	2	30	1140.6	2234.7	764.0	88.3	513.9	72.8	210.3	133.3	217.1	235.0	336.2	376.3	323.9	12.4	94.9	86.1	15.3
SMDH 00087	814380.8	8194222.0	168.4	2	3	70	1819.0	3818.1	1036.5	123.0	1420.8	103.8	299.7	190.0	309.4	334.9	603.5	659.6	585.8	17.6	161.2	155.1	18.4
SMDH 00087	814380.8	8194222.0	168.4	3	4	85	1743.8	3507.2	1195.7	123.7	681.8	126.3	364.6	231.2	376.5	407.5	580.5	636.8	563.5	17.1	152.3	147.2	21.4
SMDH 00087	814380.8	8194222.0	168.4	4	5	85	2388.8	4896.1	1551.4	163.0	1226.6	163.9	473.3	300.1	488.7	528.9	695.4	769.7	672.8	22.6	187.6	177.1	27.6
SMDH 00087	814380.8	8194222.0	168.4	5	6	75	1766.6	3327.4	1262.1	114.7	654.3	108.7	313.8	199.0	324.0	350.7	501.6	553.8	485.8	15.8	134.2	126.9	19.9
SMDH 00087	814380.8	8194222.0	168.4	6	7	80	1890.3	3671.9	1269.9	192.0	687.1	127.7	368.7	233.8	380.7	412.0	508.5	594.9	479.6	28.9	161.2	129.1	29.1
SMDH 00087	814380.8	8194222.0	168.4	7	8	80	1913.9	3866.6	1280.7	168.6	734.8	141.1	407.3	258.3	420.6	455.2	575.3	651.5	550.9	24.4	168.9	148.8	27.6
SMDH 00087	814380.8	8194222.0	168.4	8	9	80	2205.8	4481.5	1412.9	184.2	1101.2	149.5	431.7	273.7	445.8	482.5	567.9	651.9	542.7	25.2	165.6	141.9	32.1
SMDH 00087	814380.8	8194222.0	168.4	9	10	90	1868.8	3473.0	1295.4	149.7	756.8	106.6	307.8	195.1	317.8	343.9	515.2	582.4	493.0	22.2	148.6	131.9	24.5
SMDH 00087	814380.8	8194222.0	168.4	10	11	90	2090.9	3940.5	1504.2	124.5	776.7	128.7	371.7	235.7	383.8	415.3	553.3	609.0	534.6	18.7	143.6	135.3	19.9
SMDH 00087	814380.8	8194222.0	168.4	11	12	80	2196.8	4348.8	1485.9	175.6	894.9	150.3	434.0	275.2	448.1	485.0	651.9	731.2	626.5	25.4	183.5	166.9	29.1
SMDH 00087	814380.8	8194222.0	168.4	12	13	95	2209.5	3860.0	1553.8	229.5	743.1	111.8	322.9	204.7	333.4	360.8	683.2	786.6	648.9	34.3	209.4	175.6	35.2
SMDH 00087	814380.8	8194222.0	168.4	13	14	95	1820.5	3502.7	1291.1	109.7	704.2	117.2	338.4	214.6	349.4	378.2	462.5	512.0	447.1	15.4	122.0	115.3	19.9
SMDH 00087	814380.8	8194222.0	168.4	14	15	95	1824.6	3384.1	1247.6	143.5	814.0	98.9	285.5	181.0	294.7	319.0	551.9	615.3	529.2	22.6	151.6	139.1	23.0
SMDH 00087	814380.8	8194222.0	168.4	15	16	50	1763.4	3111.7	1270.9	131.2	654.7	88.4	255.4	161.9	263.7	285.4	588.1	646.9	568.1	20.0	153.5	144.0	19.9
SMDH 00088	814265.7	8194223.4	168.0	0	1	45	1680.5	3205.7	898.7	98.8	1737.4	39.5	114.0	72.3	117.7	127.4	602.7	645.8	584.5	18.1	156.0	153.7	9.2
SMDH 00088	814265.7	8194223.4	168.0	1	2	50	1569.8	3190.9	1024.9	112.1	781.7	106.7	308.0	195.3	318.0	344.2	376.2	428.2	363.4	12.8	99.9	89.6	24.5
SMDH 00088	814265.7	8194223.4	168.0	2	3	50	1442.0	2651.8	1012.0	154.1	412.1	90.0	259.9	164.8	268.4	290.5	409.1	480.7	388.5	20.6	138.9	110.0	23.0
SMDH 00088	814265.7	8194223.4	168.0	3	4	60	1052.8	1944.4	731.7	89.9	405.0	60.2	173.8	110.2	179.4	194.2	272.6	314.3	261.0	11.6	82.3	68.6	15.3
SMDH 00088	814265.7	8194223.4	168.0	4	5	75	2096.9	4143.0	1458.0	171.2	700.5	152.0	439.0	278.4	453.3	490.6	542.1	621.4	519.9	22.2	160.3	135.8	29.1
SMDH 00088	814265.7	8194223.4	168.0	5	6	80	2354.2	4553.8	1616.1	142.5	1090.6	142.9	412.7	261.7	426.1	461.2	595.2	661.2	577.7	17.5	161.0	152.3	27.6
SMDH 00088	814265.7	8194223.4	168.0	6	7	75	1871.8	3692.1	1330.4	117.6	651.6	133.5	385.6	244.5	398.1	430.9	542.7	597.0	528.6	14.1	141.7	139.7	24.5
SMDH 00088	814265.7	8194223.4	168.0	7	8	98	1513.6	2715.1	1139.8	94.4	428.8	88.2	254.7	161.5	263.0	284.7	358.5	402.1	346.3	12.1	101.2	91.2	16.8
SMDH 00088	814265.7	8194223.4	168.0	8	9	98	1343.1	2219.3	1046.0	83.5	348.4	62.2	179.5	113.8	185.3	200.6	330.4	369.0	319.4	11.0	94.1	84.6	13.8
SMDH 00088	814265.7	8194223.4	168.0	9	10	80	2423.1	4293.2	1733.8	173.4	961.5	119.4	344.9	218.7	356.1	385.4	756.7	836.3	732.4	24.3	208.5	192.2	26.0
SMDH 00088	814265.7	8194223.4	168.0	10	11	98	2282.1	3885.5	1713.0	167.0	678.1	111.3	321.4	203.8	331.8	359.1	577.0	654.0	554.7	22.3	167.5	145.7	27.6
SMDH 00088	814265.7	8194223.4	168.0	11	12	95	1635.7	3011.9	1153.3	96.9	729.0	86.6	250.0	158.5	258.1	279.4	343.3	388.4	331.6	11.7	96.6	86.1	18.4
SMDH 00088	814265.7	8194223.4	168.0	12	13	60	1580.8	3256.6	888.6	169.3	1081.7	93.6	270.4	171.5	279.2	302.2	315.5	394.5	293.9	21.6	113.9	76.3	27.6
SMDH 00088	814265.7	8194223.4	168.0	13	14	95	1698.9	4020.0	947.4	201.3	866.5	168.1	485.4	307.8	501.2	542.4	159.8	254.3	136.9	22.9	89.4	40.3	39.8
SMDH 00088	814265.7	8194223.4	168.0	14	15	90	1669.6	3926.9	932.8	124.0	1125.2	146.3	422.5	267.9	436.2	472.1	184.9	241.7	170.5	14.4	66.5	46.3	29.1
SMDH 00088	814265.7	8194223.4	168.0	15	16	95	1649.8	3307.4	1181.7	72.5	628.8	119.4	344.9	218.7	356.1	385.4	318.1	352.0	311.4	6.7	76.2	76.7	19.9
SMDH 00088	814265.7	8194223.4	168.0	16	17	98	2002.1	3744.1	1421.1	114.5	845.2	114.3	330.1	209.3	340.8	368.9	661.3	713.7	646.8	14.6	161.7	166.7	23.0
SMDH 00089	814141.2	8194223.4	169.0	0	1	30	953.8	2159.6	471.7	80.2	871.7	61.7	178.2	113.0	184.0	199.1	298.3	335.3	289.6	8.7	76.4	74.8	19.9
SMDH 00089	814141.2	8194223.4	169.0	1	2	50	837.6	1730.4	471.3	74.1	626.1	46.9	135.3	85.8	139.7	151.2	266.1	300.3	257.6	8.5	72.2	68.8	16.8
SMDH 00089	814141.2	8194223.4	169.0	2	3	75	1034.0	2084.9	642.4	121.0	470.6	71.3	206.0	130.6	212.7	230.2	358.3	414.6	344.1	14.2	103.9	89.9	24.5
SMDH 00089	814141.2	8194223.4	169.0	3	4	75	1477.3	2541.5	1087.4	138.9	393.0	77.3	223.3	141.6	230.6	249.5	347.3	411.8	328.9	18.4	115.9	89.8	21.4
SMDH 00089	814141.2	8194223.4	169.0	4	5	70	1429.4	2515.8	999.1	137.1	534.9	70.8	204.5	129.7	211.2	228.5	388.6	452.4	370.7	17.9	122.5	99.3	21.4
SMDH 00089	814141.2	8194223.4	169.0	5	6	60	1509.6	2261.7	1206.9	97.8	377.6	48.6	140.3	88.9	144.8	156.8	252.2	297.8	239.5	12.7	83.0	64.5	15.3
SMDH 00089	814141.2	8194223.4	169.0	6	7	75	1268.9	2257.7	926.5	110.3	361.1	72.1	208.2	132.0	215.0	232.6	300.6	352.5	286.7	14.0	100.0	79.4	16.8
SMDH 00089	814141.2	8194223.4	169.0	7	8	75	1032.6	1887.0	733.8	99.2	308.4	62.5	180.5	114.5	186.4	201.7	249.3	295.6	236.5	12.8	84.6	65.2	15.3
SMDH 00089	814141.2	8194223.4	169.0	8	9	98	1643.2	2441.5	1298.1	116.7	440.3	49.2	142.0	90.0	146.6	158.6	264.5	318.7	248.3	16.2	97.2	70.9	15.3
SMDH 00089	814141.2	8194223.4	169.0	9	10	70	2292.5	3056.1	1995.2	107.8	315.9	53.4	154.3	97.8	159.3	172.4	311.9	362.4	297.8	14.1	101.7	81.7	15.3
SMDH 00089	814141.2	8194223.4	169.0	10	11	98	1175.5	2005.1	892.3	99.9	261.4	63.0	182.0	115.4	187.9	203.3	254.4	301.3	242.2	12.2	83.7	65.3	16.8
SMDH 00089	814141.2	8194223.4	169.0	11	12	85	1290.9	2121.0	936.0	133.6	399.0	54.7	158.0	100.2	163.1	176.5	313.3	375.9	295.2	18.2	113.1	82.3	16.8
SMDH 00089	814141.2	8194223.4	169.0	12	13	98	1159.1	1900.6	825.7	121.1	409.7	45.6	131.7	83.5	136.0	147.2	314.3	370.9	298.1	16.1	107.0	82.5	16.8
SMDH 00089	814141.2	8194223.4	169.0	13	14	85	1618.2	3958.5	1016.1	187.3	365.0	200.4	578.7	366.9	597.5	646.6	243.5	331.5	224.4	19.1	100.4	67.5	44.4
SMDH 00089	814141.2	8194223.4	169.0	14	15	98	1767.5	3183.4	1363.9	119.1	342.3	113.9	328.8	208.5	339.5	367.4	254.3	309.1	240.1	14.2	82.5	65.1	26.0
SMDH 00089	814141.2	8194223.4	169.0	15	16	98	1795.2	4423.8	1148.1	188.8	382.0	226.8	654.9	415.2	676.2	731.8	272.1	358.8	249.9	22.2	103.8	72.2	42.9
SMDH 00089	814141.2	8194223.4	169.0	16	17	98	1383.0	2685.7	957.7	156.2	341.5	103.1	297.8	188.9	307.5	332.8	315.8	386.6	294.5	21.4	107.5	80.6	29.1
SMDH 00089	814141.2	8194223.4	169.0	17	18	85	1414.2	3083.9	932.1	140.1	427.3	132.8	383.6	243.2	396.1	428.7	342.4	405.8	322.2	20.2	111.8	87.6	23.0
SMDH 00090	814018.2	8194230.9	168.3	0	1	20	414.7	951.8	238.5	30.8	266.3	34.9	100.8	63.9	104.1	112.6	162.3	175.6	157.0	5.3	39.3	38.5	4.6
SMDH 00090	814018.2	8194230.9	168.3	1	2	50	1447.9	3021.5	837.3	119.9	1015.2	88.0	254.0	161.1	262.3	283.9	552.0	607.0	535.3	16.7	146.9	137.5	18.4
SMDH 00090	814018.2	8194230.9	168.3	2	3	60	1539.0	2260.6	1273.2	92.0	279.3	51.7	149.2	94.6	154.0	166.7	241.0	283.7	228.3	12.7	84.3	65.6	12.2
SMDH 00090	814018.2	8194230.9	168.3	3	4	40	3368.4	4376.9	3043.9	67.2	442.9	69.0	199.2	126.3	205.7	222.6	305.0	335.7	296.4	8.6	79.6	78.5	13.8
SMDH 00090	814018.2	8194230.9	168.3	4	5	70	2027.1	3173.4	1654.0	61.7	572.0	74.3	214.4	136.0	221.4	239.6	348.1	376.9	341.8	6.2	85.6	89.4	15.3
SMDH 00090	814018.2	8194230.9	168.3	5	6	90	1689.8	2646.8	1342.3	80.9	501.8	60.5	174.8	110.8	180.4	195.3	344.7	382.1	334.1	10.6	93.4	86.8	13.8
SMDH 00090	814018.2	8194230.9	168.3	6	7	70	2119.5	3409.1	1636.0	142.9	608.1	85.7	247.5	156.9	255.5	276.5	356.2	422.7	337.6	18.6	119.7	93.2	23.0
SMDH 00090	814018.2	8194230.9	168.3	7	8	95	1435.5	2563.5	1023.7	120.5	508.2	76.4	220.6	139.9	227.8	246.5	305.1	361.4	289.9	15.2	101.2	80.0	19.9
SMDH 00090	814018.2	8194230.9	168.3	8	9	90	1199.0	1711.6	1013.2	55.7	222.8	35.2	101.7	64.5	105.0	113.6	220.8	246.7	214.1	6.7	61.9	57.4	10.7
SMDH 00090	814018.2	8194230.9	168.3	9	10	85	1353.8	2046.3	1144.6	57.6	212.8	52.9	152.8	96.9	157.8	170.8	330.8	357.2	323.3	7.4	82.8	83.6	10.7
SMDH 00090	814018.2	8194230.9	168.3	10	11	85	967.0	1716.6	738.9	47.9	288.9	53.7	155.2	98.4	160.2	173.4	185.3	207.6	180.0	5.4	48.8	46.1	10.7
SMDH 00090	814018.2	8194230.9	168.3	11	12	80	1230.4	2462.6	843.0	87.8	487.2	87.6	252.9	160.4	261.1	282.6	290.9	331.3	280.3	10.6	80.3	72.7	18.4
SMDH 00090	814018.2	8194230.9	168.3	12	13	80	1047.8	1895.7	749.0	66.8	429.2	54.6	157.6	99.9	162.7	176.1	232.7	263.7	224.8	7.8	62.0	56.2	13.8
SMDH 00090	814018.2	8194230.9	168.3	13	14	98	1227.0	2511.6	780.2	90.3	668.3	81.6	235.5	149.3	243.2	263.2	360.9	402.5	350.3	10.6	95.2	91.4	19.9
SMDH 00090	814018.2	8194230.9	168.3	14	15	90	1403.1	2683.0	990.6	65.8	635.3	83.1	240.0	152.2	247.8	268.2	383.8	414.2	376.4	7.4	95.2	98.8	15.3
SMDH 00090	814018.2	8194230.9	168.3	15	16	50	1940.6	2914.7	1615.1	78.3	422.4	67.0	193.4	122.6	199.7	216.1	280.8	317.1	270.4	10.4	83.5	72.8	12.2

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00090	814018.2	8194230.9	168.3	16	17	98	1360.7	2547.5	940.3	120.7	509.7	81.9	236.5	150.0	244.2	264.3	331.1	387.4	314.9	16.2	108.8	85.5	16.8
SMDH 00090	814018.2	8194230.9	168.3	17	18	95	1685.1	3331.6	1111.7	140.2	770.5	109.8	317.0	201.0	327.3	354.2	411.6	476.8	393.0	18.6	129.0	105.4	21.4
SMDH 00091	813902.6	8194222.7	169.5	0	1	10	738.0	1752.9	366.1	54.2	659.1	56.5	163.1	103.4	168.4	182.2	210.5	235.5	204.8	5.7	51.5	50.7	13.8
SMDH 00091	813902.6	8194222.7	169.5	1	2	40	1123.5	2591.3	582.9	111.6	842.7	88.4	255.2	161.8	263.5	285.2	313.2	365.9	302.1	11.1	83.0	68.6	26.0
SMDH 00091	813902.6	8194222.7	169.5	2	3	60	1804.4	3691.7	1116.8	151.6	1026.3	117.1	338.2	214.5	349.2	378.0	527.9	597.6	508.2	19.7	144.7	126.5	27.6
SMDH 00091	813902.6	8194222.7	169.5	3	4	75	1704.2	2935.9	1354.7	55.2	468.5	88.7	256.0	162.3	264.3	286.1	488.6	513.9	482.4	6.1	106.4	117.6	13.8
SMDH 00091	813902.6	8194222.7	169.5	4	5	75	1397.6	2493.7	1065.2	48.9	495.3	74.1	214.1	135.8	221.1	239.3	364.3	386.8	359.4	4.9	81.4	89.8	13.8
SMDH 00091	813902.6	8194222.7	169.5	5	6	98	1574.7	3090.4	1029.7	118.2	811.4	94.8	273.9	173.6	282.8	306.0	482.0	536.4	468.1	14.0	124.1	118.0	26.0
SMDH 00091	813902.6	8194222.7	169.5	6	7	95	1522.7	2815.1	1114.3	84.6	545.9	89.7	259.1	164.3	267.6	289.6	389.6	428.7	379.7	9.8	98.7	95.9	18.4
SMDH 00091	813902.6	8194222.7	169.5	7	8	95	1318.4	2360.7	1021.1	57.5	362.4	77.1	222.7	141.2	229.9	248.8	432.9	459.4	426.5	6.4	94.4	101.1	13.8
SMDH 00091	813902.6	8194222.7	169.5	8	9	98	1078.5	1668.2	916.6	45.3	135.8	47.8	138.1	87.6	142.6	154.4	181.4	202.6	176.7	4.7	46.7	43.6	10.7
SMDH 00091	813902.6	8194222.7	169.5	9	10	98	1535.2	3061.1	998.0	123.8	757.3	99.1	286.2	181.4	295.5	319.8	464.7	521.4	448.9	15.8	120.2	111.5	24.5
SMDH 00091	813902.6	8194222.7	169.5	10	11	85	1834.1	3653.2	1241.4	137.4	766.3	126.4	365.1	231.5	377.0	408.0	529.5	592.8	512.9	16.5	145.9	137.7	29.1
SMDH 00091	813902.6	8194222.7	169.5	11	12	90	1375.0	3332.4	822.1	172.1	428.2	160.1	462.4	293.2	477.5	516.8	247.1	328.8	234.3	12.8	78.6	61.4	53.6
SMDH 00091	813902.6	8194222.7	169.5	12	13	85	1463.3	3363.5	884.9	132.1	694.0	138.5	400.1	253.7	413.1	447.1	251.7	314.2	239.4	12.3	77.5	59.5	33.7
SMDH 00091	813902.6	8194222.7	169.5	13	14	90	1296.7	2889.1	783.1	122.6	643.5	112.3	324.4	205.7	334.9	362.5	209.8	267.5	198.8	11.0	64.5	50.0	33.7
SMDH 00091	813902.6	8194222.7	169.5	14	15	90	1786.6	3709.6	1184.7	141.4	734.4	138.3	399.3	253.2	412.2	446.2	424.8	490.9	410.5	14.3	113.3	103.5	35.2
SMDH 00091	813902.6	8194222.7	169.5	15	16	98	1621.1	3082.1	1175.6	98.1	549.1	105.6	304.9	193.3	314.8	340.7	381.6	427.1	370.8	10.8	94.5	89.9	23.0
SMDH 00091	813902.6	8194222.7	169.5	16	17	98	2096.1	4179.6	1427.1	148.5	874.2	145.0	418.8	265.5	432.4	468.0	513.4	582.4	496.5	16.9	134.0	122.6	32.1
SMDH 00091	813902.6	8194222.7	169.5	17	18	85	2033.7	4150.7	1395.5	147.4	749.9	155.8	449.8	285.2	464.4	502.7	467.2	536.3	451.6	15.7	128.0	115.2	33.7
SMDH 00092	813773.5	8194222.7	167.1	0	1	30	1436.2	2946.9	759.3	82.2	1423.5	57.2	165.1	104.7	170.4	184.5	505.5	542.4	492.1	13.4	126.2	125.2	9.2
SMDH 00092	813773.5	8194222.7	167.1	1	2	50	2070.8	3572.7	1504.5	112.8	914.8	87.2	251.9	159.7	260.1	281.5	427.0	478.7	411.9	15.0	121.1	111.0	19.9
SMDH 00092	813773.5	8194222.7	167.1	2	3	75	2101.1	3503.8	1578.4	134.7	725.4	89.3	257.9	163.5	266.3	288.2	566.5	626.9	545.9	20.6	156.3	144.5	19.9
SMDH 00092	813773.5	8194222.7	167.1	3	4	50	1995.5	3863.3	1387.7	148.0	759.1	131.5	379.7	240.8	392.1	424.4	536.2	605.3	519.8	16.4	145.1	134.9	32.1
SMDH 00092	813773.5	8194222.7	167.1	4	5	75	1565.0	2921.1	1131.2	88.7	591.9	93.0	268.6	170.3	277.3	300.1	454.6	495.6	444.0	10.5	114.3	114.8	18.4
SMDH 00092	813773.5	8194222.7	167.1	5	6	75	1565.3	2828.4	1173.3	89.1	484.2	90.7	261.9	166.1	270.5	292.7	486.8	528.1	476.2	10.5	117.1	118.1	18.4
SMDH 00092	813773.5	8194222.7	167.1	6	7	80	1864.3	2939.2	1529.5	64.5	457.2	74.4	215.0	136.3	222.0	240.2	427.7	457.7	420.7	6.9	97.7	103.9	15.3
SMDH 00092	813773.5	8194222.7	167.1	7	8	95	1461.8	2827.4	1034.8	71.5	625.3	91.9	265.3	168.2	273.9	296.5	406.7	439.6	398.6	8.1	94.9	98.7	16.8
SMDH 00092	813773.5	8194222.7	167.1	8	9	90	1160.9	1940.5	924.4	37.6	342.2	53.3	154.0	97.7	159.1	172.1	241.4	259.0	238.0	3.4	53.5	57.8	10.7
SMDH 00092	813773.5	8194222.7	167.1	9	10	98	1846.4	3307.6	1365.1	57.5	826.6	88.7	256.3	162.5	264.6	286.4	498.6	525.0	492.1	6.5	114.5	128.5	13.8
SMDH 00092	813773.5	8194222.7	167.1	10	11	60	1322.7	2735.9	769.8	103.7	942.7	77.1	222.7	141.2	229.9	248.8	482.7	530.1	468.7	14.0	123.2	118.6	18.4
SMDH 00092	813773.5	8194222.7	167.1	11	12	98	1893.9	3480.5	1357.8	142.7	655.3	111.1	320.7	203.4	331.1	358.4	706.6	772.4	687.9	18.7	181.3	175.6	24.5
SMDH 00092	813773.5	8194222.7	167.1	12	13	95	1834.4	3371.6	1250.0	132.6	891.6	92.0	265.7	168.5	274.3	296.9	671.0	731.5	652.4	18.6	172.1	167.3	21.4
SMDH 00092	813773.5	8194222.7	167.1	13	14	80	2099.3	3377.9	1575.1	145.6	751.7	75.9	219.2	139.0	226.4	245.0	658.6	724.6	636.6	22.0	181.6	170.5	19.9
SMDH 00092	813773.5	8194222.7	167.1	14	15	90	2431.4	3671.6	1926.6	156.1	662.0	77.7	224.4	142.3	231.7	250.8	602.5	672.9	578.5	24.0	171.4	154.4	21.4
SMDH 00092	813773.5	8194222.7	167.1	15	16	95	2501.7	3831.0	2007.3	153.3	590.8	90.5	261.4	165.7	269.9	292.1	601.1	671.1	579.1	22.0	166.1	148.5	23.0
SMDH 00092	813773.5	8194222.7	167.1	16	17	95	2293.2	4024.7	1757.4	121.2	661.6	124.5	359.4	227.9	371.1	401.7	584.6	640.5	568.4	16.2	149.5	142.7	19.9
SMDH 00092	813773.5	8194222.7	167.1	17	18	95	2503.3	3877.8	1949.0	147.2	808.4	81.6	235.6	149.4	243.3	263.3	627.7	693.5	604.8	23.0	171.5	159.3	21.4
SMDH 00092	813773.5	8194222.7	167.1	18	19	95	1493.2	2523.2	1086.9	100.7	607.5	61.0	176.3	111.8	182.0	197.0	472.3	518.5	458.2	14.1	124.2	117.2	15.3
SMDH 00092	813773.5	8194222.7	167.1	19	20	85	2259.5	3786.9	1735.9	144.6	631.5	106.9	308.6	195.7	318.7	344.9	588.2	654.9	569.1	19.1	158.8	145.1	24.5
SMDH 00092	813773.5	8194222.7	167.1	20	21	75	1756.8	3309.5	1196.2	165.9	676.6	106.6	307.7	195.1	317.7	343.8	596.8	671.0	571.5	25.3	165.6	147.6	26.0
SMDH 00093	813661.0	8194227.1	166.9	0	1	5	1497.7	3051.8	889.9	101.2	1082.2	82.0	236.9	150.2	244.6	264.7	469.6	516.8	457.6	12.0	114.0	108.2	19.9
SMDH 00093	813661.0	8194227.1	166.9	1	2	10	1057.6	1991.1	765.9	47.5	431.4	62.6	180.7	114.6	186.5	201.9	216.9	238.6	211.1	5.7	50.9	49.1	10.7
SMDH 00093	813661.0	8194227.1	166.9	2	3	90	2008.5	3500.5	1493.6	125.2	687.9	100.1	289.0	183.3	298.4	323.0	432.9	491.1	417.9	15.0	117.2	102.9	24.5
SMDH 00093	813661.0	8194227.1	166.9	3	4	90	1720.5	3298.1	1216.6	108.3	667.3	109.5	316.2	200.5	326.4	353.3	473.0	523.4	459.2	13.7	120.2	109.7	18.4
SMDH 00093	813661.0	8194227.1	166.9	4	5	80	1633.8	3053.8	1110.2	138.5	706.4	92.1	266.0	168.7	274.7	297.3	500.4	564.5	481.8	18.5	136.1	115.5	21.4
SMDH 00093	813661.0	8194227.1	166.9	5	6	100	1274.5	2203.4	930.6	114.9	378.6	65.3	188.7	119.6	194.8	210.8	476.0	529.9	461.2	14.8	127.3	110.5	16.8
SMDH 00093	813661.0	8194227.1	166.9	6	7	100	1810.0	3308.1	1216.4	151.7	874.6	89.3	257.9	163.5	266.3	288.2	585.8	655.7	564.5	21.2	165.3	142.4	21.4
SMDH 00093	813661.0	8194227.1	166.9	7	7.5	70	1332.7	2712.7	811.9	134.7	729.5	86.9	251.0	159.1	259.1	280.5	511.9	573.6	495.1	16.8	134.0	121.6	27.6
SMDH 00093	813661.0	8194227.1	166.9	7.5	8	70	1332.7	2712.7	811.9	134.7	729.5	86.9	251.0	159.1	259.1	280.5	511.9	573.6	495.1	16.8	134.0	121.6	27.6
SMDH 00094	813527.3	8194226.3	164.0	0	1	10	2999.1	5197.1	1886.0	203.7	2231.9	73.4	211.9	134.4	218.8	236.8	1249.8	1339.9	1213.1	36.6	324.6	317.5	16.8
SMDH 00094	813527.3	8194226.3	164.0	1	2	20	2048.7	4204.6	1254.1	159.2	1256.5	128.7	371.6	235.6	383.7	415.2	835.8	908.0	813.0	22.8	207.7	203.9	26.0
SMDH 00094	813527.3	8194226.3	164.0	2	3	40	2113.9	3667.0	1619.0	121.6	598.8	111.3	321.4	203.8	331.9	359.2	490.5	546.7	475.7	14.8	128.8	121.7	24.5
SMDH 00094	813527.3	8194226.3	164.0	3	4	40	2070.0	3345.3	1623.6	114.4	583.8	85.8	247.8	157.1	255.8	276.9	428.7	480.7	413.3	15.5	115.4	105.0	21.4
SMDH 00094	813527.3	8194226.3	164.0	4	5	60	1789.8	3766.6	1067.4	138.0	1158.5	117.6	339.6	215.3	350.6	379.5	612.4	675.0	592.8	19.6	163.3	153.4	23.0
SMDH 00094	813527.3	8194226.3	164.0	5	6	70	1237.3	2476.3	910.5	38.8	441.5	91.0	262.8	166.6	271.4	293.7	92.0	110.4	89.5	2.5	23.6	22.0	13.8
SMDH 00094	813527.3	8194226.3	164.0	6	7	90	2153.5	3591.5	1697.4	94.6	611.6	99.6	287.6	182.4	297.0	321.4	324.6	368.0	312.5	12.1	90.1	80.2	18.4
SMDH 00094	813527.3	8194226.3	164.0	7	8	100	2038.2	3624.9	1525.9	129.2	617.7	113.4	327.4	207.6	338.0	365.8	588.7	647.2	570.2	18.5	154.5	146.9	21.4
SMDH 00094	813527.3	8194226.3	164.0	8	8.5	60	1856.8	3458.1	1347.9	111.1	663.9	112.0	323.3	205.0	333.8	361.3	463.0	513.5	448.8	14.2	123.2	117.9	23.0
SMDH 00094	813527.3	8194226.3	164.0	8.5	9	60	1856.8	3458.1	1347.9	111.1	663.9	112.0	323.3	205.0	333.8	361.3	463.0	513.5	448.8	14.2	123.2	117.9	23.0
SMDH 00095	813418.7	8194221.6	161.9	0	1	10	618.9	1300.5	377.5	57.9	334.2	44.5	128.5	81.5	132.7	143.6	237.2	263.4	228.3	8.9	66.2	58.6	7.7
SMDH 00095	813418.7	8194221.6	161.9	1	2	20	317.9	1125.1	197.4	4.8	26.3	75.2	217.1	137.6	224.1	242.6	4.6	5.7	2.6	2.0	1.8	1.5	0.8
SMDH 00095	813418.7	8194221.6	161.9	2	3	50	1854.3	3666.5	1266.7	120.1	813.9	122.9	354.9	225.0	366.4	396.6	480.5	535.8	464.8	15.7	132.4	121.0	21.4
SMDH 00095	813418.7	8194221.6	161.9	3	4	70	1839.4	3341.5	1388.1	101.5	537.7	110.2	318.2	201.7	328.5	355.5	511.7	558.0	498.0	13.7	132.2	128.3	18.4
SMDH 00095	813418.7	8194221.6	161.9	4	5	80	1542.5	2857.3	1131.9	69.6	597.4	88.7	256.3	162.5	264.6	286.4	390.4	422.8	382.6	7.8	93.0	94.8	15.3
SMDH 00095	813418.7	8194221.6	161.9	5	6	80	1873.6	3852.4	1309.5	83.7	779.7	140.8	406.6	257.8	419.8	454.4	515.2	554.4	506.1	9.2	123.3	128.3	18.4
SMDH 00095	813418.7	8194221.6	161.9	6	7	70	1687.9	3207.5	1215.2	83.8	671.7	103.7	299.4	189.9	309.2	334.6	463.5	502.8	455.4	8.1	109.4	114.3	21.4
SMDH 00095	813418.7	8194221.6	161.9	7	8	100	1557.6	3098.3	1143.7	62.6	524.4	114.7	331.1	209.9	341.9	370.0	385.9	414.9	379.2	6.8	89.9	95.5	15.3
SMDH 00095	813418.7	8194221.6	161.9	8	9	100	2364.9	4178.6	1771.0	99.0	913.3	117.0	337.8	214.2	348.8	377.5	499.6	546.2	489.4	10.2	124.2	125.4	23.0
SMDH 00095	813418.7	8194221.6	161.9	9	9.5	100	1537.7	2926.3	1092.4	76.1	663.7	91.7	264.9	168.0	273.5	296.0	327.4	362.9	318.9	8.5	85.0	81.9	16.8
SMDH 00095	813418.7	8194221.6	161.9	9.5	10	100	1537.7	2926.3	1092.4	76.1	663.7	91.7	264.9	168.0	273.5	296.0	327.4	362.9	318.9	8.5	85.0	81.9	16.8

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00096	813296.8	8194217.9	162.0	0	1	10	1103.8	2639.2	674.9	82.2	510.5	115.0	332.1	210.6	342.9	371.1	286.2	324.7	276.9	9.3	78.4	70.3	16.8
SMDH 00096	813296.8	8194217.9	162.0	1	2	30	1337.0	2507.6	957.1	88.8	486.6	81.8	236.1	149.7	243.8	263.8	315.8	357.1	305.0	10.8	88.8	79.6	16.8
SMDH 00096	813296.8	8194217.9	162.0	2	3	40	1421.0	2959.9	920.4	123.2	620.0	108.7	313.8	199.0	324.0	350.7	334.9	392.2	318.9	16.0	105.0	83.8	19.9
SMDH 00096	813296.8	8194217.9	162.0	3	4	70	1513.8	3676.9	897.9	132.3	701.3	163.1	471.0	298.6	486.3	526.3	414.0	475.9	399.1	14.9	117.3	103.1	27.6
SMDH 00096	813296.8	8194217.9	162.0	4	5	90	1678.9	3273.5	1118.0	157.7	687.0	109.9	317.4	201.2	327.7	354.6	457.7	531.3	439.1	18.6	132.7	111.7	30.6
SMDH 00096	813296.8	8194217.9	162.0	5	6	90	1635.1	3152.0	1143.4	118.9	614.2	106.9	308.8	195.8	318.8	345.1	392.1	447.9	379.3	12.8	106.1	95.3	26.0
SMDH 00096	813296.8	8194217.9	162.0	6	7	100	1701.4	3317.7	1191.6	116.4	640.8	114.8	331.4	210.1	342.2	370.4	469.5	523.6	456.5	12.9	118.8	113.7	26.0
SMDH 00096	813296.8	8194217.9	162.0	7	8	100	1409.4	2712.8	956.0	122.9	564.5	89.7	258.9	164.2	267.3	289.3	412.2	469.8	398.2	14.1	117.4	104.3	24.5
SMDH 00096	813296.8	8194217.9	162.0	8	9	90	1842.5	3832.0	1144.5	139.0	1060.3	124.8	360.3	228.5	372.0	402.6	502.5	567.8	488.6	13.9	131.2	124.6	33.7
SMDH 00096	813296.8	8194217.9	162.0	9	9.5	80	1229.9	2132.4	878.5	94.6	492.8	55.9	161.4	102.3	166.6	180.4	314.6	359.1	304.3	10.3	87.4	77.3	19.9
SMDH 00096	813296.8	8194217.9	162.0	9.5	10	80	1229.9	2132.4	878.5	94.6	492.8	55.9	161.4	102.3	166.6	180.4	314.6	359.1	304.3	10.3	87.4	77.3	19.9
SMDH 00097	813177.5	8194221.1	161.0	0	1	10	835.8	1644.8	495.8	79.9	550.5	43.5	125.6	79.6	129.7	140.3	285.6	323.1	275.9	9.7	79.9	70.7	13.8
SMDH 00097	813177.5	8194221.1	161.0	1	2	30	1438.9	3156.5	892.4	100.3	782.9	115.8	334.3	212.0	345.2	373.6	381.4	428.6	370.2	11.2	106.0	96.3	19.9
SMDH 00097	813177.5	8194221.1	161.0	2	3	40	4670.3	6163.1	4163.3	120.5	675.8	100.9	291.4	184.7	300.8	325.6	373.8	429.4	360.0	13.8	103.2	93.7	27.6
SMDH 00097	813177.5	8194221.1	161.0	3	4	40	3851.1	5633.3	3177.7	141.0	1064.5	104.8	302.6	191.9	312.5	338.2	379.2	444.1	361.9	17.2	109.9	93.3	29.1
SMDH 00097	813177.5	8194221.1	161.0	4	5	100	1598.8	2963.6	1077.6	159.9	646.9	90.5	261.3	165.7	269.8	292.0	402.1	474.8	380.3	21.8	124.3	100.7	29.1
SMDH 00097	813177.5	8194221.1	161.0	5	6	100	1591.6	2713.1	1150.8	121.0	614.4	69.3	200.2	126.9	206.7	223.7	307.3	362.5	292.2	15.1	89.3	75.3	26.0
SMDH 00097	813177.5	8194221.1	161.0	6	7	80	2395.8	4211.1	1810.8	134.1	752.2	126.9	366.6	232.4	378.5	409.6	411.9	473.8	397.0	14.9	111.5	103.1	32.1
SMDH 00097	813177.5	8194221.1	161.0	7	8	70	1570.9	2670.9	1151.5	125.0	532.5	72.3	208.7	132.3	215.5	233.2	279.1	336.7	263.0	16.1	91.5	69.8	23.0
SMDH 00097	813177.5	8194221.1	161.0	8	9	70	1811.9	2844.0	1467.4	67.9	501.4	67.7	195.5	123.9	201.8	218.4	352.3	383.7	345.0	7.3	83.3	86.4	16.8
SMDH 00097	813177.5	8194221.1	161.0	9	10	70	1914.1	3276.4	1460.5	109.9	584.1	94.1	271.6	172.2	280.4	303.5	347.2	398.1	336.0	11.2	90.5	85.8	29.1
SMDH 00097	813177.5	8194221.1	161.0	10	11	70	2310.2	4319.0	1810.2	70.3	580.9	155.7	449.7	285.2	464.4	502.6	364.2	397.0	356.8	7.4	88.0	89.6	16.8
SMDH 00097	813177.5	8194221.1	161.0	11	12	80	2444.9	5112.3	1617.6	70.0	1449.9	165.6	478.1	303.2	493.7	534.3	307.1	340.2	301.6	5.5	71.2	74.0	21.4
SMDH 00097	813177.5	8194221.1	161.0	12	13	80	1608.9	2786.4	1286.0	50.9	413.5	86.9	250.8	159.0	259.0	280.3	399.5	422.7	393.6	5.9	91.0	99.6	12.2
SMDH 00097	813177.5	8194221.1	161.0	13	14	80	1644.9	3168.9	1208.2	69.8	589.3	109.1	315.1	199.8	325.4	352.1	367.5	400.2	360.3	7.2	88.4	90.9	16.8
SMDH 00097	813177.5	8194221.1	161.0	14	15	90	1626.8	3281.0	1203.3	69.7	478.2	128.3	370.4	234.8	382.4	413.9	355.7	388.4	348.6	7.1	87.7	89.5	16.8
SMDH 00097	813177.5	8194221.1	161.0	15	16	90	1572.4	3066.0	1130.9	98.8	516.3	110.7	319.6	202.6	330.0	357.2	333.5	379.5	322.8	10.6	92.3	85.8	23.0
SMDH 00098	813051.1	8194220.1	159.6	0	1	10	1238.6	2417.0	831.7	81.5	607.3	75.2	217.1	137.6	224.1	242.6	457.2	494.3	446.8	10.4	111.2	113.4	16.8
SMDH 00098	813051.1	8194220.1	159.6	1	2	20	1230.1	2294.2	939.9	48.1	360.0	79.3	229.1	145.2	236.5	256.0	232.9	255.2	227.9	4.9	57.9	58.5	12.2
SMDH 00098	813051.1	8194220.1	159.6	2	3	40	3458.2	4760.5	3072.8	61.9	540.0	91.0	262.9	166.7	271.4	293.8	199.3	228.0	193.7	5.6	52.5	51.2	18.4
SMDH 00098	813051.1	8194220.1	159.6	3	4	50	3801.3	4938.6	3479.1	82.5	316.0	89.0	256.9	162.9	265.2	287.1	216.5	255.0	207.9	8.6	65.0	56.0	19.9
SMDH 00098	813051.1	8194220.1	159.6	4	5	90	1709.5	3139.5	1217.2	176.3	450.3	108.6	313.7	198.9	323.9	350.5	302.7	384.7	282.3	20.5	110.3	78.2	36.7
SMDH 00098	813051.1	8194220.1	159.6	5	6	90	1438.7	2529.1	1101.5	88.1	373.0	81.0	234.0	148.4	241.6	261.5	201.7	242.4	191.6	10.1	49.1	36.3	19.9
SMDH 00098	813051.1	8194220.1	159.6	6	7	100	1322.1	2478.4	982.5	92.5	333.4	89.7	259.1	164.3	267.5	289.5	241.3	284.5	231.0	10.3	73.3	60.6	19.9
SMDH 00098	813051.1	8194220.1	159.6	7	8	100	1642.2	3223.9	1166.2	151.9	405.7	125.8	363.2	230.3	375.0	405.9	189.8	261.7	173.9	15.9	82.5	50.5	32.1
SMDH 00099	812941.1	8194223.9	159.0	0	1	10	1469.3	3086.0	907.9	113.4	838.7	102.8	296.8	188.2	306.5	331.7	559.4	612.0	544.5	14.9	148.7	142.9	18.4
SMDH 00099	812941.1	8194223.9	159.0	1	2	40	1351.9	2933.4	818.8	107.4	774.6	103.3	298.4	189.2	308.1	333.5	526.8	576.0	513.2	13.6	132.5	131.7	21.4
SMDH 00099	812941.1	8194223.9	159.0	2	3	70	1407.1	3091.9	890.4	98.3	697.8	117.8	340.2	215.7	351.3	380.2	408.1	453.3	395.9	12.3	109.3	104.5	19.9
SMDH 00099	812941.1	8194223.9	159.0	3	4	100	1360.6	2583.3	1009.0	61.9	456.0	88.6	255.8	162.2	264.1	285.8	262.3	291.2	256.4	5.9	64.8	64.9	16.8
SMDH 00099	812941.1	8194223.9	159.0	4	5	100	1638.0	2990.9	1224.1	89.3	519.2	97.1	280.4	177.8	289.5	313.4	285.7	327.1	275.6	10.1	81.1	72.4	19.9
SMDH 00100	812819.7	8194224.7	158.3	0	1	10	1282.3	2619.2	813.9	105.2	667.4	86.6	250.0	158.5	258.1	279.4	427.4	475.7	413.5	14.0	117.5	108.2	18.4
SMDH 00100	812819.7	8194224.7	158.3	1	2	15	2265.9	3460.1	1813.3	121.1	621.6	75.8	218.9	138.8	226.0	244.6	324.2	380.7	309.3	14.9	101.1	81.2	21.4
SMDH 00100	812819.7	8194224.7	158.3	2	3	30	1831.8	3137.2	1402.1	97.9	568.5	89.6	258.7	164.1	267.1	289.1	264.6	311.1	254.7	9.8	76.3	64.8	21.4
SMDH 00100	812819.7	8194224.7	158.3	3	4	70	1145.4	2505.5	649.7	130.0	665.0	88.9	256.8	162.8	265.2	287.0	204.6	265.6	189.4	15.2	75.5	48.3	24.5
SMDH 00100	812819.7	8194224.7	158.3	4	5	90	1474.0	2338.2	1125.8	99.3	482.8	52.8	152.6	96.8	157.6	170.5	276.8	323.7	266.4	10.4	78.6	66.4	21.4
SMDH 00100	812819.7	8194224.7	158.3	5	6	80	1678.9	3494.0	1188.9	87.7	575.6	137.7	397.5	252.0	410.4	444.2	295.4	336.8	287.4	8.0	75.6	71.8	23.0
SMDH 00100	812819.7	8194224.7	158.3	6	7	70	1553.7	2966.9	1174.7	79.8	397.3	110.3	318.4	201.9	328.8	355.8	250.5	288.1	242.8	7.7	64.9	59.1	19.9
SMDH 00100	812819.7	8194224.7	158.3	7	8	80	1316.8	2574.2	959.9	81.0	389.0	95.9	277.1	175.7	286.1	309.6	251.4	290.0	243.9	7.5	66.5	60.4	19.9
SMDH 00100	812819.7	8194224.7	158.3	8	9	100	1318.7	2659.5	974.8	68.1	347.8	106.4	307.2	194.8	317.2	343.3	262.0	294.3	256.1	5.9	63.9	62.5	18.4
SMDH 00100	812819.7	8194224.7	158.3	9	10	80	1241.0	2518.1	889.0	73.8	387.6	97.9	282.7	179.3	291.9	315.9	235.2	270.2	228.7	6.5	58.3	54.6	19.9
SMDH 00100	812819.7	8194224.7	158.3	10	11	100	1098.4	2187.5	820.9	46.4	308.4	84.8	245.0	155.3	252.9	273.8	216.3	238.5	212.4	3.9	48.1	49.0	12.2
SMDH 00100	812819.7	8194224.7	158.3	11	12	100	1607.2	3625.2	1088.3	79.7	610.9	154.8	447.0	283.4	461.5	499.5	362.2	399.4	355.9	6.4	87.4	91.9	26.0
SMDH 00100	812819.7	8194224.7	158.3	12	13	80	2017.1	7121.2	761.8	127.0	1608.6	387.7	1119.5	709.8	1155.9	1251.0	358.3	419.0	352.5	5.8	85.9	92.8	50.5
SMDH 00100	812819.7	8194224.7	158.3	13	14	100	1535.4	3309.2	1029.7	69.2	720.0	124.9	360.8	228.8	372.5	403.2	195.7	228.0	189.4	6.3	53.6	49.0	19.9
SMDH 00101	812702.5	8194224.4	157.8	0	1	40	1627.7	3607.2	910.6	165.6	1037.8	125.2	361.5	229.2	373.3	404.0	470.5	547.6	449.8	20.7	138.7	112.1	29.1
SMDH 00101	812702.5	8194224.4	157.8	1	2	60	1522.0	3367.9	976.0	159.0	504.8	144.9	418.4	265.3	432.0	467.5	316.2	390.9	298.8	17.4	103.5	76.2	33.7
SMDH 00101	812702.5	8194224.4	157.8	2	3	60	1921.3	3516.0	1407.5	142.8	569.7	117.0	338.0	214.3	349.0	377.7	356.0	423.6	341.1	14.9	108.1	87.6	30.6
SMDH 00101	812702.5	8194224.4	157.8	3	4	75	4403.3	5104.3	4153.9	48.4	388.0	43.1	124.4	78.9	128.5	139.1	435.1	457.2	429.2	5.9	93.9	103.6	10.7
SMDH 00101	812702.5	8194224.4	157.8	4	5	85	2571.6	3705.0	2201.1	57.4	584.6	72.3	208.7	132.3	215.5	233.2	602.8	629.1	596.2	6.6	125.1	141.8	13.8
SMDH 00101	812702.5	8194224.4	157.8	5	6	80	2349.7	4526.2	1650.2	82.9	1178.4	135.4	390.9	247.9	403.7	436.9	496.3	535.1	489.1	7.2	106.0	115.0	24.5
SMDH 00101	812702.5	8194224.4	157.8	6	7	85	1889.9	3073.5	1529.5	35.1	604.4	75.8	219.0	138.8	226.1	244.7	123.4	139.7	120.8	2.6	28.9	29.5	12.2
SMDH 00101	812702.5	8194224.4	157.8	7	8	80	1485.3	2701.5	1155.7	50.4	421.1	90.1	260.1	164.9	268.6	290.7	219.3	243.0	215.6	3.7	51.3	53.9	16.8
SMDH 00102	812576.2	8194224.0	158.1	0	1	20	953.0	2177.3	504.1	93.8	693.2	74.3	214.6	136.1	221.6	239.8	223.6	266.9	211.6	12.0	70.7	54.6	16.8
SMDH 00102	812576.2	8194224.0	158.1	1	2	70	945.1	2573.1	472.6	121.2	481.8	125.6	362.6	229.9	374.3	405.1	218.6	275.2	205.5	13.1	74.2	54.8	27.6
SMDH 00102	812576.2	8194224.0	158.1	2	3	50	927.0	2302.6	542.3	114.3	311.1	111.9	323.2	204.9	333.7	361.2	189.8	243.5	178.3	11.5	64.8	46.7	27.6
SMDH 00102	812576.2	8194224.0	158.1	3	4	75	1280.3	3375.8	700.0	169.5	469.8	170.8	493.1	312.6	509.1	551.0	328.7	407.7	310.5	18.2	109.5	84.3	39.8
SMDH 00102	812576.2	8194224.0	158.1	4	5	60	1107.0	2534.9	629.8	120.9	597.6	99.5	287.3	182.2	296.6	321.0	340.9	396.7	326.2	14.8	102.5	87.2	24.5
SMDH 00102	812576.2	8194224.0	158.1	5	6	70	954.5	2427.5	517.0	112.1	463.6	111.9	323.2	204.9	333.7	361.2	265.0	317.4	253.5	11.4	79.2	66.2	27.6
SMDH 00102	812576.2	8194224.0	158.1	6	7	75	1167.9	3210.3	615.7	137.6	509.6	163.3	471.5	298.9	486.8	526.9	323.3	388.1	309.7	13.6	96.1	79.7	33.7
SMDH 00102	812576.2	8194224.0	158.1	7	8	70	2103.0	4468.5	1203.5	188.0	1430.5	138.0	398.6	252.7	411.6	445.5	703.8	790.5	679.4	24.4	192.1	174.8	33.7
SMDH 00102	812576.2	8194224.0	158.1	8	9	70	1541.6	2190.7	1242.2	104.9	390.0	38.0	109.8	69.6	113.4	122.7	706.5	754.1	690.6	15.9	173.5	176.7	13.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00102	812576.2	8194224.0	158.1	9	10	70	1253.7	2242.5	923.4	96.2	368.0	71.7	207.0	131.2	213.7	231.3	445.8	490.0	433.1	12.7	115.4	110.2	16.8
SMDH 00102	812576.2	8194224.0	158.1	10	11	80	1597.9	2410.6	1357.4	49.4	297.6	59.2	171.0	108.4	176.6	191.1	321.6	344.5	316.4	5.3	72.1	76.8	12.2
SMDH 00102	812576.2	8194224.0	158.1	11	12	90	1347.0	1939.0	1166.6	46.3	198.2	44.3	127.8	81.0	132.0	142.8	375.4	396.8	370.1	5.3	84.3	91.9	10.7
SMDH 00102	812576.2	8194224.0	158.1	12	13	50	1446.8	2030.4	1274.3	45.9	175.0	44.9	129.6	82.2	133.8	144.8	376.6	397.4	370.6	6.0	86.4	93.0	9.2
SMDH 00103	814554.7	8194341.6	168.8	0	1	30	1153.4	3419.6	510.0	100.9	865.3	162.9	470.5	298.3	485.8	525.8	291.9	339.3	282.3	9.6	83.4	77.9	26.0
SMDH 00103	814554.7	8194341.6	168.8	1	2	50	1194.1	2323.2	775.1	118.1	542.3	74.4	214.9	136.3	221.9	240.2	268.3	324.1	258.8	9.5	76.1	69.3	35.2
SMDH 00103	814554.7	8194341.6	168.8	2	3	75	1540.5	3419.6	871.1	121.4	1074.0	113.4	327.6	207.7	338.3	366.1	494.6	551.7	482.4	12.2	129.9	128.1	29.1
SMDH 00103	814554.7	8194341.6	168.8	3	4	95	1377.4	2502.9	938.4	130.5	571.8	72.3	208.7	132.4	215.5	233.3	231.4	293.2	219.5	11.9	77.5	60.9	33.7
SMDH 00103	814554.7	8194341.6	168.8	4	5	98	2004.1	3064.5	1596.7	104.7	582.1	65.5	189.1	119.9	195.2	211.3	214.5	264.0	205.9	8.6	64.3	55.9	30.6
SMDH 00103	814554.7	8194341.6	168.8	5	6	95	1139.0	2202.7	710.8	129.1	568.1	66.6	192.4	122.0	198.7	215.0	281.7	343.1	270.8	10.9	83.3	69.8	35.2
SMDH 00103	814554.7	8194341.6	168.8	6	7	98	1232.8	2380.4	782.7	135.8	581.8	73.8	213.1	135.1	220.0	238.1	288.0	352.7	277.0	11.1	83.8	70.4	38.3
SMDH 00103	814554.7	8194341.6	168.8	7	8	90	1357.0	2579.5	832.7	165.0	709.0	73.2	211.3	134.0	218.2	236.1	315.6	393.5	300.3	15.2	101.2	80.5	42.9
SMDH 00103	814554.7	8194341.6	168.8	8	9	85	1365.2	2482.4	864.7	163.6	678.8	65.0	187.7	119.0	193.8	209.8	382.5	458.9	364.2	18.3	122.5	99.4	35.2
SMDH 00103	814554.7	8194341.6	168.8	9	10	95	1386.3	2476.0	882.2	166.2	695.9	61.3	177.2	112.3	182.9	198.0	334.7	411.0	311.7	23.0	117.8	82.3	26.0
SMDH 00103	814554.7	8194341.6	168.8	10	11	95	1906.0	4630.6	1080.6	159.0	1091.9	192.8	556.7	353.0	574.8	622.1	558.0	631.1	539.2	18.8	137.7	125.0	35.2
SMDH 00103	814554.7	8194341.6	168.8	11	12	90	1354.9	2635.9	935.3	112.6	490.2	92.0	265.8	168.5	274.4	297.0	300.7	352.9	288.2	12.5	86.4	74.3	26.0
SMDH 00103	814554.7	8194341.6	168.8	12	13	90	2177.7	6660.1	1259.7	161.3	561.4	392.2	1132.5	718.1	1169.3	1265.6	154.0	229.3	137.0	17.0	76.5	44.4	38.3
SMDH 00103	814554.7	8194341.6	168.8	13	14	85	2939.2	10119.5	1597.1	242.0	492.5	653.0	1885.5	1195.5	1946.8	2107.1	196.5	309.4	170.6	25.9	113.8	64.4	56.6
SMDH 00104	814428.6	8194340.3	170.0	0	1	30	1157.9	2624.8	506.1	79.9	1362.3	56.7	163.8	103.9	169.1	183.0	341.6	378.2	332.2	9.4	86.6	86.3	18.4
SMDH 00104	814428.6	8194340.3	170.0	1	2	70	1412.7	3023.5	750.9	128.0	1153.5	83.1	239.9	152.1	247.7	268.1	379.2	439.2	364.7	14.5	113.3	97.7	26.0
SMDH 00104	814428.6	8194340.3	170.0	2	3	95	1113.4	2536.4	646.9	103.3	625.0	97.4	281.1	178.3	290.3	314.2	142.8	191.3	131.8	11.0	57.6	37.6	23.0
SMDH 00104	814428.6	8194340.3	170.0	3	4	75	1352.4	2738.9	813.9	153.5	722.4	88.0	254.0	161.1	262.3	283.9	247.8	319.7	231.5	16.4	89.7	64.1	35.2
SMDH 00104	814428.6	8194340.3	170.0	4	5	80	1282.5	2414.7	847.5	129.0	559.2	73.7	212.8	134.9	219.7	237.8	348.5	408.9	336.5	12.0	97.7	88.9	35.2
SMDH 00104	814428.6	8194340.3	170.0	5	6	85	1032.3	2087.0	605.3	110.6	635.1	61.7	178.2	113.0	184.0	199.1	246.6	298.4	236.5	10.2	71.0	61.5	30.6
SMDH 00104	814428.6	8194340.3	170.0	6	7	75	1483.7	2640.6	1080.2	105.5	518.0	78.5	226.8	143.8	234.2	253.5	215.6	265.3	206.2	9.4	64.3	53.7	29.1
SMDH 00104	814428.6	8194340.3	170.0	7	8	80	1784.0	2959.2	1360.5	110.4	564.3	77.5	223.7	141.8	231.0	250.0	207.0	259.2	199.2	7.8	58.3	52.9	36.7
SMDH 00104	814428.6	8194340.3	170.0	8	9	90	1259.9	2541.0	773.7	128.9	672.8	81.0	233.8	148.2	241.4	261.2	244.7	305.7	234.7	10.0	72.1	62.6	39.8
SMDH 00104	814428.6	8194340.3	170.0	9	10	75	1561.5	2789.5	1099.0	125.4	625.5	78.8	227.5	144.2	234.9	254.2	259.6	318.9	248.9	10.8	77.7	66.3	35.2
SMDH 00104	814428.6	8194340.3	170.0	10	11	85	1624.5	2724.4	1240.4	85.5	547.8	71.3	205.9	130.6	212.6	230.1	185.9	226.7	179.5	6.4	54.7	48.5	26.0
SMDH 00104	814428.6	8194340.3	170.0	11	12	90	1278.7	2459.8	844.6	122.4	556.0	78.5	226.8	143.8	234.2	253.5	294.8	352.8	284.7	10.1	83.1	74.4	35.2
SMDH 00104	814428.6	8194340.3	170.0	12	13	80	1545.7	2706.8	1133.3	118.1	502.7	79.9	230.7	146.3	238.2	257.8	267.4	323.3	257.9	9.5	75.0	67.2	35.2
SMDH 00104	814428.6	8194340.3	170.0	13	14	98	1325.9	2468.9	886.8	136.0	543.2	75.7	218.6	138.6	225.7	244.3	277.5	341.5	264.6	12.9	85.4	70.3	35.2
SMDH 00104	814428.6	8194340.3	170.0	14	15	95	1339.0	2588.2	878.0	139.6	558.1	84.9	245.1	155.4	253.1	273.9	327.8	393.7	315.4	12.4	94.8	83.6	38.3
SMDH 00104	814428.6	8194340.3	170.0	15	16	95	1273.8	2386.2	814.8	135.7	631.9	67.4	194.6	123.4	200.9	217.5	314.6	378.9	302.3	12.2	96.5	83.6	35.2
SMDH 00104	814428.6	8194340.3	170.0	16	17	95	1034.4	3076.9	415.4	119.9	816.9	144.6	417.6	264.8	431.2	466.6	266.7	323.5	257.0	9.7	74.4	65.7	35.2
SMDH 00104	814428.6	8194340.3	170.0	17	18	80	1476.4	2617.4	1038.9	100.1	669.4	67.8	195.9	124.2	202.2	218.9	288.6	336.2	280.7	8.0	78.8	75.1	29.1
SMDH 00105	814309.6	8194343.0	169.9	0	1	10	1241.3	2703.5	667.5	95.9	1023.1	76.9	222.0	140.8	229.2	248.1	356.1	400.3	345.0	11.1	93.0	88.0	21.4
SMDH 00105	814309.6	8194343.0	169.9	1	2	40	1565.4	2785.9	1093.8	131.7	639.1	77.2	223.1	141.4	230.3	249.3	422.4	484.2	407.8	14.6	119.8	105.9	27.6
SMDH 00105	814309.6	8194343.0	169.9	2	3	60	1825.4	3016.8	1407.7	122.4	491.4	83.5	241.0	152.8	248.8	269.3	451.5	508.7	437.7	13.7	121.8	112.9	26.0
SMDH 00105	814309.6	8194343.0	169.9	3	4	90	2360.2	3434.6	2004.2	92.4	433.1	75.9	219.1	138.9	226.2	244.8	455.5	497.9	444.2	11.3	112.7	113.2	19.9
SMDH 00105	814309.6	8194343.0	169.9	4	5	60	1302.9	2288.3	922.3	72.1	639.8	54.8	158.4	100.4	163.5	177.0	358.9	392.1	350.7	8.2	86.2	88.2	16.8
SMDH 00105	814309.6	8194343.0	169.9	5	6	90	1459.9	2496.3	1111.6	65.9	520.3	66.9	193.3	122.6	199.6	216.0	288.1	319.0	281.7	6.4	70.6	70.7	16.8
SMDH 00105	814309.6	8194343.0	169.9	6	7	80	1066.1	1907.0	789.9	43.9	434.0	53.6	154.8	98.1	159.8	172.9	212.3	232.6	208.5	3.8	47.9	51.1	13.8
SMDH 00105	814309.6	8194343.0	169.9	7	8	90	1115.1	1839.8	875.8	43.8	356.6	47.3	136.4	86.5	140.9	152.5	140.6	161.2	136.7	3.9	36.8	34.6	12.2
SMDH 00105	814309.6	8194343.0	169.9	8	9	85	2120.8	3174.7	1794.0	56.0	469.8	71.7	207.0	131.2	213.7	231.3	142.4	169.2	137.9	4.5	41.6	36.0	15.3
SMDH 00105	814309.6	8194343.0	169.9	9	10	75	1283.3	2059.0	1035.2	45.5	358.0	52.0	150.2	95.2	155.1	167.9	213.5	234.7	209.1	4.3	51.7	52.7	12.2
SMDH 00105	814309.6	8194343.0	169.9	10	11	95	1699.6	2601.6	1397.7	47.8	482.8	56.4	163.0	103.4	168.3	182.2	158.3	180.7	153.6	4.7	42.6	39.6	12.2
SMDH 00105	814309.6	8194343.0	169.9	11	12	70	2318.5	3724.6	1880.7	88.7	582.5	98.3	283.9	180.0	293.2	317.3	371.8	412.8	362.2	9.6	95.3	94.2	21.4
SMDH 00105	814309.6	8194343.0	169.9	12	13	50	1475.4	2541.6	1055.1	118.7	575.6	66.4	191.8	121.6	198.0	214.3	365.5	420.9	351.9	13.6	108.0	95.8	24.5
SMDH 00105	814309.6	8194343.0	169.9	13	14	85	1159.7	1913.2	861.8	107.7	323.4	52.0	150.2	95.2	155.1	167.9	263.0	313.0	249.6	13.4	87.4	69.8	19.9
SMDH 00105	814309.6	8194343.0	169.9	14	15	90	1470.6	2672.7	1062.1	106.7	510.2	83.3	240.6	152.5	248.4	268.8	308.8	358.8	295.7	13.2	96.3	79.8	18.4
SMDH 00105	814309.6	8194343.0	169.9	15	16	80	1317.2	2477.9	1005.5	53.6	371.2	87.8	253.6	160.8	261.9	283.4	193.2	217.9	187.0	6.2	51.5	48.7	12.2
SMDH 00105	814309.6	8194343.0	169.9	16	17	90	2072.2	3853.5	1506.8	150.4	638.7	130.6	377.1	239.1	389.4	421.4	477.6	546.6	456.6	21.1	148.1	126.2	23.0
SMDH 00105	814309.6	8194343.0	169.9	17	18	95	1835.7	3400.2	1358.4	125.3	515.5	117.5	339.2	215.1	350.2	379.0	459.7	517.2	442.9	16.9	131.8	119.2	21.4
SMDH 00105	814309.6	8194343.0	169.9	18	19	80	1651.2	2946.2	1190.0	138.9	539.4	90.4	261.0	165.5	269.5	291.6	488.7	551.2	468.4	20.4	143.1	128.0	23.0
SMDH 00105	814309.6	8194343.0	169.9	19	20	95	1646.3	2934.2	1191.5	99.1	663.8	82.1	237.2	150.4	244.9	265.1	458.6	504.3	446.0	12.6	120.0	115.8	18.4
SMDH 00105	814309.6	8194343.0	169.9	20	21	90	847.5	1891.1	463.5	36.1	755.0	53.4	154.1	97.7	159.1	172.2	93.1	109.8	90.2	2.9	24.1	23.4	12.2
SMDH 00105	814309.6	8194343.0	169.9	21	22	90	939.4	1908.3	608.8	37.3	592.9	56.1	162.0	102.7	167.3	181.1	136.9	154.6	134.2	2.6	34.5	35.2	12.2
SMDH 00105	814309.6	8194343.0	169.9	22	23	98	1003.4	2040.9	688.4	37.9	500.6	68.2	197.1	125.0	203.5	220.2	215.7	233.3	212.5	3.2	49.1	53.7	12.2
SMDH 00105	814309.6	8194343.0	169.9	23	24	98	1919.1	3629.8	1377.8	109.0	736.1	118.0	340.6	216.0	351.7	380.7	608.8	658.9	596.0	12.8	141.9	147.5	24.5
SMDH 00106	814192.7	8194344.3	171.0	0	1	40	1659.4	3367.0	791.0	89.3	1997.7	41.0	118.4	75.1	122.2	132.3	528.7	568.5	514.9	13.7	137.1	139.1	13.8
SMDH 00106	814192.7	8194344.3	171.0	1	2	50	1859.4	3273.8	1292.1	115.8	950.6	76.7	221.6	140.5	228.8	247.7	540.1	592.3	523.4	16.6	144.7	139.5	19.9
SMDH 00106	814192.7	8194344.3	171.0	2	3	50	1618.9	3303.3	997.6	113.2	1024.0	98.0	282.9	179.4	292.1	316.1	521.4	572.8	506.5	14.9	133.4	131.0	23.0
SMDH 00106	814192.7	8194344.3	171.0	3	4	85	1046.5	2128.5	752.6	40.2	393.9	79.0	228.0	144.6	235.4	254.8	172.0	190.6	167.9	4.1	42.9	42.3	10.7
SMDH 00106	814192.7	8194344.3	171.0	4	5	90	1732.1	2946.6	1396.2	32.6	509.3	84.6	244.2	154.8	252.1	272.9	133.3	148.1	129.8	3.5	32.2	31.6	9.2
SMDH 00106	814192.7	8194344.3	171.0	5	6	95	2245.6	3853.9	1818.9	37.6	628.7	114.7	331.4	210.1	342.1	370.3	126.9	144.5	124.4	2.5	28.8	30.0	13.8
SMDH 00106	814192.7	8194344.3	171.0	6	7	95	1670.0	2880.8	1339.4	34.6	484.6	85.7	247.5	156.9	255.5	276.5	173.3	189.2	170.5	2.7	37.0	40.5	12.2
SMDH 00106	814192.7	8194344.3	171.0	7	8	95	2743.7	4584.0	2192.0	77.1	826.3	124.8	360.4	228.5	372.1	402.7	581.8	616.5	571.7	10.1	132.9	143.5	16.8
SMDH 00106	814192.7	8194344.3	171.0	8	9	98	2491.5	4382.7	1958.8	102.8	638.9	141.0	407.3	258.2	420.5	455.1	691.3	737.7	677.2	14.1	158.4	165.9	19.9
SMDH 00106	814192.7	8194344.3	171.0	9	10	80	1990.2	3780.4	1382.4	148.7	794.5	122.0	352.2	223.3	363.7	393.6	586.3	652.2	564.2	22.1	152.7	143.7	27.6
SMDH 00106	814192.7	8194344.3	171.0	10	11	85	1683.8	3141.1	1195.5	106.8	674.9	97.6	281.8	178.7	290.9	314.9	500.3	548.0	484.5	15.8	128.5	124.2	18.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00106	814192.7	8194344.3	171.0	11	12	90	2302.7	4065.5	1729.2	153.9	664.1	127.3	367.6	233.1	379.5	410.8	606.1	674.5	582.2	23.9	166.5	153.6	24.5
SMDH 00106	814192.7	8194344.3	171.0	12	13	90	1618.6	3087.3	1082.1	101.1	865.5	87.1	251.5	159.4	259.6	281.0	429.7	476.3	417.6	12.0	113.2	109.6	21.4
SMDH 00106	814192.7	8194344.3	171.0	13	14	90	1449.7	2732.9	969.4	98.6	760.8	75.8	218.9	138.8	226.0	244.6	366.9	412.8	355.3	11.6	103.0	95.1	19.9
SMDH 00106	814192.7	8194344.3	171.0	14	15	95	2140.3	3503.3	1651.7	119.6	675.6	88.6	255.8	162.2	264.1	285.8	656.8	711.4	640.8	16.0	163.9	164.4	21.4
SMDH 00106	814192.7	8194344.3	171.0	15	16	85	1910.1	3321.6	1385.9	131.2	739.1	89.3	257.9	163.5	266.3	288.2	526.2	587.0	509.9	16.4	144.7	135.7	24.5
SMDH 00107	814074.8	8194348.4	171.5	0	1	50	1386.2	2892.4	770.7	82.2	1202.8	70.2	202.6	128.5	209.2	226.4	496.4	533.4	483.5	12.9	118.3	115.2	10.7
SMDH 00107	814074.8	8194348.4	171.5	1	2	40	1274.0	2873.2	679.7	114.9	961.4	93.7	270.5	171.5	279.3	302.3	388.9	442.2	375.1	13.8	107.3	95.7	23.0
SMDH 00107	814074.8	8194348.4	171.5	2	3	50	1044.0	1825.7	759.6	55.9	449.0	47.1	135.9	86.2	140.3	151.9	270.2	295.5	262.6	7.6	72.4	71.1	10.7
SMDH 00107	814074.8	8194348.4	171.5	3	4	70	1572.5	2613.1	1212.7	59.8	582.5	63.6	183.6	116.4	189.5	205.1	338.0	365.5	331.1	6.9	84.6	87.6	13.8
SMDH 00107	814074.8	8194348.4	171.5	4	5	85	1287.3	2326.5	988.7	51.6	390.4	75.1	216.9	137.5	224.0	242.4	212.8	236.9	208.2	4.6	52.2	52.9	15.3
SMDH 00107	814074.8	8194348.4	171.5	5	6	90	1832.8	3263.7	1425.0	79.5	494.2	106.1	306.2	194.2	316.2	342.2	486.9	523.4	478.0	8.8	118.7	127.1	19.9
SMDH 00107	814074.8	8194348.4	171.5	6	7	98	1644.4	3209.2	1051.1	152.0	839.6	97.8	282.4	179.1	291.6	315.6	453.5	523.7	433.7	19.8	140.0	118.7	26.0
SMDH 00107	814074.8	8194348.4	171.5	7	8	98	1954.8	3523.9	1393.1	151.7	723.7	105.2	303.9	192.7	313.8	339.6	520.7	590.3	500.4	20.3	149.6	132.1	26.0
SMDH 00107	814074.8	8194348.4	171.5	8	9	95	2384.9	4270.0	1768.4	151.0	771.1	132.4	382.4	242.5	394.8	427.3	581.2	651.4	563.8	17.4	154.6	146.5	32.1
SMDH 00107	814074.8	8194348.4	171.5	9	10	98	1595.5	2952.7	1141.4	135.2	496.4	98.9	285.6	181.1	294.9	319.2	376.9	439.4	360.2	16.7	112.5	94.2	26.0
SMDH 00107	814074.8	8194348.4	171.5	10	11	90	1711.3	3183.9	1211.4	128.5	631.0	101.7	293.7	186.2	303.2	328.2	438.8	498.1	422.7	16.0	123.5	110.3	24.5
SMDH 00107	814074.8	8194348.4	171.5	11	12	95	1849.2	3064.3	1403.5	122.2	582.6	80.2	231.5	146.8	239.0	258.7	618.9	674.6	602.7	16.3	157.7	157.0	23.0
SMDH 00107	814074.8	8194348.4	171.5	12	13	85	1335.9	2239.3	1058.6	59.4	350.5	64.6	186.6	118.3	192.7	208.5	301.9	329.4	295.2	6.7	73.6	74.9	13.8
SMDH 00107	814074.8	8194348.4	171.5	13	14	95	1612.4	2607.2	1234.8	102.7	513.2	63.4	183.2	116.1	189.1	204.7	305.7	353.4	292.4	13.3	91.1	74.6	16.8
SMDH 00107	814074.8	8194348.4	171.5	14	15	80	1313.1	2365.8	906.2	128.3	498.8	69.8	201.6	127.8	208.1	225.2	348.4	408.2	332.2	16.3	109.6	88.0	21.4
SMDH 00107	814074.8	8194348.4	171.5	15	16	80	1578.3	2804.8	1105.9	149.5	574.5	81.7	236.0	149.7	243.7	263.8	407.2	477.1	389.2	18.0	126.8	104.2	27.6
SMDH 00107	814074.8	8194348.4	171.5	16	17	90	1715.0	2882.1	1311.6	95.3	549.9	77.6	224.0	142.0	231.3	250.3	389.8	433.8	379.3	10.5	99.9	98.3	23.0
SMDH 00107	814074.8	8194348.4	171.5	17	18	50	1896.7	3001.7	1468.8	117.4	589.0	69.3	200.1	126.9	206.6	223.6	463.5	517.9	449.2	14.3	125.4	116.6	23.0
SMDH 00108	813957.9	8194344.8	171.4	0	1	20	1641.8	2963.7	1017.5	92.7	1286.3	47.6	137.3	87.1	141.8	153.5	648.5	690.1	633.4	15.0	159.5	163.1	10.7
SMDH 00108	813957.9	8194344.8	171.4	1	2	50	1282.1	2869.7	695.5	101.6	987.4	91.0	262.7	166.6	271.3	293.6	395.4	441.9	383.2	12.2	101.2	98.2	23.0
SMDH 00108	813957.9	8194344.8	171.4	2	3	40	1417.0	2941.9	936.6	119.1	568.5	110.5	319.0	202.3	329.4	356.5	481.1	535.8	466.4	14.7	126.6	119.9	24.5
SMDH 00108	813957.9	8194344.8	171.4	3	4	40	3095.1	4565.0	2654.5	99.1	523.3	108.0	311.8	197.7	322.0	348.5	439.7	485.0	427.0	12.7	113.2	109.6	19.9
SMDH 00108	813957.9	8194344.8	171.4	4	5	75	2620.6	3860.2	2250.5	86.9	423.7	92.1	266.1	168.7	274.7	297.4	340.6	380.8	330.4	10.3	89.3	84.2	18.4
SMDH 00108	813957.9	8194344.8	171.4	5	6	60	1805.9	3001.2	1414.3	79.4	550.7	80.2	231.6	146.9	239.2	258.8	352.8	389.0	342.4	10.4	91.0	87.6	15.3
SMDH 00108	813957.9	8194344.8	171.4	6	7	70	1838.3	2990.2	1490.6	68.0	454.1	82.0	236.7	150.1	244.4	264.5	359.9	391.0	351.7	8.1	90.1	91.5	15.3
SMDH 00108	813957.9	8194344.8	171.4	7	8	80	2171.2	3838.3	1630.0	128.0	687.5	116.8	337.2	213.8	348.2	376.8	504.6	562.5	486.3	18.3	137.6	125.8	21.4
SMDH 00108	813957.9	8194344.8	171.4	8	9	85	1957.2	3677.4	1448.1	112.2	602.4	127.0	366.7	232.5	378.6	409.8	395.4	447.4	382.0	13.4	109.1	99.3	23.0
SMDH 00108	813957.9	8194344.8	171.4	9	10	90	950.2	1872.6	689.7	70.7	239.3	73.2	211.3	134.0	218.2	236.1	98.8	131.9	91.0	7.8	39.8	25.9	15.3
SMDH 00108	813957.9	8194344.8	171.4	10	11	90	1290.7	2544.9	994.4	48.0	290.2	101.6	293.5	186.1	303.1	328.0	108.2	130.8	104.5	3.8	30.3	27.1	15.3
SMDH 00108	813957.9	8194344.8	171.4	11	12	98	1339.8	2428.1	979.4	53.1	585.3	67.9	196.2	124.4	202.6	219.2	197.6	222.4	192.8	4.8	51.8	51.8	15.3
SMDH 00108	813957.9	8194344.8	171.4	12	13	85	1820.9	3313.6	1361.9	105.2	557.2	108.1	312.2	197.9	322.3	348.8	482.6	530.9	469.5	13.1	131.7	129.9	21.4
SMDH 00108	813957.9	8194344.8	171.4	13	14	95	1721.7	2229.3	1538.9	51.3	230.2	34.3	99.0	62.8	102.2	110.6	438.5	461.8	431.5	6.9	106.9	115.4	9.2
SMDH 00108	813957.9	8194344.8	171.4	14	15	98	1104.6	1474.0	942.2	33.5	288.2	17.6	50.9	32.3	52.5	56.8	253.7	268.9	249.6	4.1	60.4	65.1	7.7
SMDH 00108	813957.9	8194344.8	171.4	15	16	90	1531.2	2627.9	1160.6	74.0	542.2	71.3	206.0	130.6	212.7	230.2	412.5	446.2	403.0	9.5	104.7	108.0	15.3
SMDH 00108	813957.9	8194344.8	171.4	16	17	90	2074.7	3407.9	1649.4	79.0	607.6	89.9	259.5	164.6	268.0	290.0	569.9	605.9	559.9	10.0	140.8	152.2	16.8
SMDH 00108	813957.9	8194344.8	171.4	17	18	98	1739.1	3016.8	1323.2	91.2	556.2	87.7	253.3	160.6	261.5	283.1	356.8	399.1	346.4	10.4	99.0	94.8	19.9
SMDH 00108	813957.9	8194344.8	171.4	18	19	98	1506.0	2595.7	1132.5	61.9	600.5	67.1	193.9	122.9	200.2	216.7	311.8	340.7	305.5	6.4	76.6	77.9	15.3
SMDH 00108	813957.9	8194344.8	171.4	19	20	98	1854.2	3440.4	1353.3	92.5	709.9	107.7	311.0	197.2	321.2	347.6	403.6	446.3	392.7	10.9	108.0	105.1	19.9
SMDH 00109	813839.2	8194343.9	170.7	0	1	40	1459.0	3166.5	677.7	95.6	1658.2	61.6	178.0	112.8	183.7	198.9	424.2	468.2	410.7	13.5	113.8	105.8	13.8
SMDH 00109	813839.2	8194343.9	170.7	1	2	40	1090.8	2656.3	623.2	107.6	544.0	115.8	334.5	212.1	345.4	373.8	360.9	410.8	347.9	13.0	96.6	84.0	21.4
SMDH 00109	813839.2	8194343.9	170.7	2	3	60	1697.6	3370.2	1138.1	114.6	800.0	110.5	319.0	202.2	329.3	356.4	484.9	538.3	471.4	13.5	130.1	124.6	23.0
SMDH 00109	813839.2	8194343.9	170.7	3	4	80	1313.1	2731.8	937.8	39.7	526.8	102.9	297.2	188.4	306.9	332.1	111.9	130.6	108.7	3.1	27.8	25.5	12.2
SMDH 00109	813839.2	8194343.9	170.7	4	5	90	1809.5	3460.9	1384.3	46.7	569.1	122.5	353.7	224.2	365.2	395.2	121.3	143.3	117.4	3.9	32.0	28.7	13.8
SMDH 00109	813839.2	8194343.9	170.7	5	6	95	1694.1	3691.4	1186.4	56.6	664.2	149.6	432.0	273.9	446.0	482.7	46.5	73.5	42.6	3.9	18.2	10.7	18.4
SMDH 00109	813839.2	8194343.9	170.7	6	7	85	1269.8	2865.5	829.9	48.0	645.4	112.5	325.0	206.0	335.5	363.1	81.7	104.2	77.4	4.2	25.6	19.5	13.8
SMDH 00109	813839.2	8194343.9	170.7	7	8	90	1235.5	2495.4	869.2	60.6	495.9	89.7	259.0	164.2	267.4	289.4	104.8	133.5	99.2	5.6	34.7	24.9	15.3
SMDH 00109	813839.2	8194343.9	170.7	8	9	95	1118.2	2198.6	835.3	65.1	263.8	86.7	250.4	158.8	258.6	279.8	118.8	149.8	112.2	6.6	42.6	29.7	13.8
SMDH 00109	813839.2	8194343.9	170.7	9	10	95	1484.7	2941.5	980.4	106.9	733.0	94.0	271.5	172.1	280.3	303.3	332.5	381.7	318.8	13.7	95.2	82.3	19.9
SMDH 00109	813839.2	8194343.9	170.7	10	11	98	1860.2	3698.5	1315.7	139.9	573.0	140.0	404.3	256.3	417.4	451.8	482.9	547.2	464.4	18.5	134.6	118.8	24.5
SMDH 00109	813839.2	8194343.9	170.7	11	12	98	1372.0	2737.5	994.9	88.7	381.1	106.7	308.2	195.4	318.2	344.4	254.3	295.4	243.9	10.4	74.1	63.1	18.4
SMDH 00109	813839.2	8194343.9	170.7	12	13	95	1168.9	2484.6	794.5	49.3	539.1	92.4	266.7	169.1	275.4	298.1	119.9	143.1	115.9	4.0	32.9	29.9	15.3
SMDH 00109	813839.2	8194343.9	170.7	13	14	98	1835.0	3349.6	1441.3	52.3	501.7	113.6	327.9	207.9	338.6	366.4	400.4	424.9	395.9	4.5	85.1	96.0	15.3
SMDH 00109	813839.2	8194343.9	170.7	14	15	98	1956.5	4030.4	1359.8	97.2	802.7	148.5	428.7	271.8	442.6	479.1	349.8	394.8	338.2	11.7	93.1	84.6	19.9
SMDH 00109	813839.2	8194343.9	170.7	15	16	85	1743.6	3559.6	1314.2	116.0	252.7	157.3	454.4	288.1	469.1	507.8	254.2	308.6	242.3	11.9	79.6	64.2	27.6
SMDH 00110	813720.4	8194340.4	168.9	0	1	20	2030.3	4097.4	1135.3	125.3	1787.9	87.9	253.9	161.0	262.2	283.8	699.5	757.3	681.2	18.3	192.9	187.0	15.3
SMDH 00110	813720.4	8194340.4	168.9	1	2	30	1661.7	3489.3	1021.1	110.2	1035.4	110.9	320.2	203.1	330.7	357.9	611.5	662.6	597.6	13.9	154.7	155.6	19.9
SMDH 00110	813720.4	8194340.4	168.9	2	3	60	1558.0	3177.6	952.2	128.4	944.0	96.7	279.1	177.0	288.2	311.9	455.0	515.4	439.3	15.7	134.4	118.7	21.4
SMDH 00110	813720.4	8194340.4	168.9	3	4	60	1704.6	2738.1	1389.3	66.8	398.7	74.1	213.9	135.6	220.8	239.0	242.8	274.2	235.9	6.9	66.2	61.2	15.3
SMDH 00110	813720.4	8194340.4	168.9	4	5	85	1072.4	2358.0	712.0	112.5	273.3	105.7	305.1	193.5	315.0	341.0	266.3	319.7	256.3	10.1	79.6	67.9	29.1
SMDH 00110	813720.4	8194340.4	168.9	5	6	70	2772.8	3900.8	2412.6	127.6	294.5	89.4	258.1	163.6	266.5	288.4	279.7	340.5	267.3	12.4	91.6	73.6	29.1
SMDH 00110	813720.4	8194340.4	168.9	6	7	75	957.6	2175.9	586.2	79.9	464.6	87.6	253.1	160.5	261.3	282.8	112.2	150.3	106.3	5.9	37.2	28.1	24.5
SMDH 00110	813720.4	8194340.4	168.9	7	8	70	958.4	1690.9	759.3	42.5	211.6	56.8	164.0	104.0	169.4	183.3	60.5	80.5	56.8	3.7	21.3	14.8	12.2
SMDH 00110	813720.4	8194340.4	168.9	8	9	80	1591.4	2797.3	1318.8	79.4	113.4	107.8	311.3	197.4	321.4	347.9	77.8	115.8	73.0	4.8	27.7	20.0	27.6
SMDH 00110	813720.4	8194340.4	168.9	9	10	80	2371.4	4152.8	1863.8	93.7	634.3	130.9	377.9	239.6	390.2	422.3	333.5	377.5	323.7	9.8	87.9	81.9	21.4
SMDH 00110	813720.4	8194340.4	168.9	10	11	90	2090.6	3864.0	1526.4	100.4	819.7	118.8	343.2	217.6	354.4	383.5	603.8	650.7	592.6	11.2	142.9	148.7	21.4
SMDH 00110	813720.4	8194340.4	168.9	11	12	90	2375.7	4206.9	1732.4	176.9	801.2	125.5	362.3	229.7	374.1	404.9	726.2	808.0	702.4	23.8	203.5	186.8	27.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00110	813720.4	8194340.4	168.9	12	13	90	1843.8	3393.5	1304.0	138.2	702.5	104.7	302.3	191.7	312.2	337.8	489.0	553.4	471.4	17.6	142.5	125.3	23.0
SMDH 00110	813720.4	8194340.4	168.9	13	14	98	1950.6	3257.1	1377.2	169.5	830.0	73.8	213.1	135.1	220.1	238.2	521.3	600.3	499.6	21.7	158.7	133.9	27.6
SMDH 00110	813720.4	8194340.4	168.9	14	15	95	1836.3	3302.1	1340.0	123.9	637.3	100.7	290.7	184.3	300.2	324.9	563.6	620.6	547.6	15.9	150.9	145.2	23.0
SMDH 00110	813720.4	8194340.4	168.9	15	16	75	1870.0	3368.0	1271.1	163.5	851.2	90.7	262.0	166.1	270.5	292.8	578.3	653.6	556.5	21.7	166.4	148.1	27.6
SMDH 00110	813720.4	8194340.4	168.9	16	17	98	1446.1	2870.3	956.9	81.3	787.2	87.6	253.0	160.4	261.2	282.7	414.2	452.0	405.2	8.9	105.5	107.3	18.4
SMDH 00111	813606.2	8194340.8	166.9	0	1	10	1978.4	3761.9	1264.6	146.3	1191.8	97.2	280.7	177.9	289.8	313.6	784.4	850.6	762.6	21.9	192.6	188.5	21.4
SMDH 00111	813606.2	8194340.8	166.9	1	2	10	1784.2	3898.1	1142.4	136.9	802.9	152.3	439.7	278.8	453.9	491.3	591.6	653.9	572.9	18.8	160.1	152.9	24.5
SMDH 00111	813606.2	8194340.8	166.9	2	3	15	1976.8	3751.7	1446.9	101.1	691.7	126.8	366.1	232.1	378.0	409.1	651.4	697.4	637.6	13.7	155.9	162.1	18.4
SMDH 00111	813606.2	8194340.8	166.9	3	4	60	2801.6	5006.0	2104.8	159.2	877.6	156.3	451.4	286.2	466.1	504.4	722.5	795.0	700.6	21.9	195.0	187.6	27.6
SMDH 00111	813606.2	8194340.8	166.9	4	5	70	2063.6	3691.7	1509.0	161.8	632.8	116.4	336.1	213.1	347.0	375.6	632.9	706.7	610.7	22.3	173.9	159.4	27.6
SMDH 00111	813606.2	8194340.8	166.9	5	6	60	2034.1	3709.1	1443.8	164.9	728.2	115.1	332.2	210.7	343.0	371.3	579.9	655.4	556.1	23.8	166.0	141.7	23.0
SMDH 00111	813606.2	8194340.8	166.9	6	7	70	1548.2	2921.4	1025.3	177.3	585.7	95.0	274.3	173.9	283.3	306.6	426.5	507.7	401.2	25.3	142.8	107.9	26.0
SMDH 00111	813606.2	8194340.8	166.9	7	8	70	1714.3	3260.4	1176.2	183.9	532.4	114.7	331.2	210.0	342.0	370.1	496.5	581.0	469.9	26.6	161.4	125.7	24.5
SMDH 00111	813606.2	8194340.8	166.9	8	9	70	1686.2	3220.0	1156.4	160.9	591.6	109.9	317.4	201.3	327.8	354.7	511.8	585.4	489.1	22.7	150.6	126.1	24.5
SMDH 00111	813606.2	8194340.8	166.9	9	10	70	1686.5	3120.9	1166.0	164.8	592.2	100.4	290.0	183.9	299.4	324.1	469.7	545.2	446.3	23.4	146.0	118.1	24.5
SMDH 00111	813606.2	8194340.8	166.9	10	11	40	1632.5	2995.8	1154.9	146.8	536.6	97.1	280.3	177.7	289.4	313.2	432.7	499.3	411.1	21.6	132.3	107.9	21.4
SMDH 00111	813606.2	8194340.8	166.9	11	12	100	2188.1	4062.4	1591.1	168.9	640.4	139.3	402.4	255.1	415.5	449.7	601.3	678.4	577.3	24.0	167.8	146.1	26.0
SMDH 00111	813606.2	8194340.8	166.9	12	13	70	2289.8	4491.0	1479.3	272.1	882.1	155.7	449.7	285.2	464.4	502.6	691.8	814.1	652.0	39.9	213.9	171.4	45.9
SMDH 00112	813469.2	8194338.8	164.4	0	1	10	1631.0	3447.3	873.1	142.3	1350.3	90.7	261.9	166.0	270.4	292.6	545.6	610.5	525.1	20.4	149.0	133.7	21.4
SMDH 00112	813469.2	8194338.8	164.4	1	2	30	2009.3	3817.7	1369.4	154.1	882.2	118.4	341.8	216.7	353.0	382.0	526.7	598.5	507.6	19.1	146.5	128.0	27.6
SMDH 00112	813469.2	8194338.8	164.4	2	3	50	1592.8	3024.1	1096.5	129.6	633.8	97.6	281.9	178.7	291.0	315.0	435.8	495.1	418.0	17.8	121.5	104.1	21.4
SMDH 00112	813469.2	8194338.8	164.4	3	4	50	1572.2	3057.5	1092.7	116.8	592.6	105.2	303.9	192.7	313.8	339.6	401.8	455.5	386.2	15.7	109.6	94.9	19.9
SMDH 00112	813469.2	8194338.8	164.4	4	5	70	1506.3	3519.0	901.1	134.1	729.3	147.1	424.8	269.3	438.6	474.7	513.8	576.0	497.9	15.9	141.2	132.3	27.6
SMDH 00112	813469.2	8194338.8	164.4	5	6	80	1982.6	3594.0	1386.4	174.5	746.1	107.9	311.6	197.6	321.7	348.2	459.1	539.6	434.7	24.5	154.9	121.6	24.5
SMDH 00112	813469.2	8194338.8	164.4	6	7	100	1672.8	3336.8	1110.4	141.1	719.0	114.6	330.8	209.7	341.6	369.7	463.3	528.5	444.5	18.8	136.9	117.7	23.0
SMDH 00112	813469.2	8194338.8	164.4	7	8	100	1847.8	3666.2	1283.1	131.4	686.9	131.2	378.9	240.2	391.2	423.4	487.8	549.1	472.4	15.5	135.4	124.2	26.0
SMDH 00112	813469.2	8194338.8	164.4	8	9	90	1990.0	3492.6	1492.7	148.8	533.0	110.5	319.1	202.3	329.5	356.6	461.9	530.0	440.5	21.4	145.8	121.8	21.4
SMDH 00112	813469.2	8194338.8	164.4	9	10	70	1561.8	3358.6	986.7	130.6	738.2	126.0	363.9	230.7	375.7	406.7	467.1	528.0	451.3	15.8	131.4	116.9	24.5
SMDH 00113	813367.0	8194347.4	163.8	0	1	5	1231.5	3003.3	630.4	96.9	967.5	109.7	316.8	200.9	327.1	354.0	313.0	358.0	300.2	12.8	92.4	78.4	15.3
SMDH 00113	813367.0	8194347.4	163.8	1	2	10	1295.1	2907.4	734.4	101.8	880.6	99.8	288.2	182.8	297.6	322.1	222.1	269.3	208.8	13.4	76.3	56.7	16.8
SMDH 00113	813367.0	8194347.4	163.8	2	3	30	1289.3	3004.7	819.4	82.3	571.2	128.4	370.9	235.2	382.9	414.4	114.2	153.3	105.5	8.6	45.3	27.8	16.8
SMDH 00113	813367.0	8194347.4	163.8	3	4	25	706.0	1153.8	539.4	58.6	173.9	32.0	92.5	58.6	95.5	103.3	131.5	158.5	123.1	8.4	46.1	32.4	7.7
SMDH 00113	813367.0	8194347.4	163.8	4	5	60	1007.4	1744.4	783.1	31.7	340.3	49.4	142.7	90.5	147.3	159.4	83.5	98.4	80.8	2.7	22.4	19.3	9.2
SMDH 00113	813367.0	8194347.4	163.8	5	6	70	1073.9	2337.5	694.3	46.7	593.0	84.1	243.0	154.1	250.9	271.5	53.6	75.6	49.3	4.3	20.6	12.2	12.2
SMDH 00113	813367.0	8194347.4	163.8	6	7	90	1539.1	2932.9	1089.5	94.0	611.7	95.4	275.5	174.7	284.4	307.8	398.0	441.3	385.9	12.1	105.3	98.5	16.8
SMDH 00113	813367.0	8194347.4	163.8	7	8	100	1469.4	2824.8	1045.3	88.8	556.9	95.1	274.5	174.0	283.4	306.7	375.0	415.9	363.3	11.7	101.5	95.0	15.3
SMDH 00114	813249.9	8194341.3	162.5	0	1	5	1135.7	2368.1	752.2	67.8	545.5	84.1	242.7	153.9	250.6	271.3	280.1	310.9	270.9	9.2	74.9	69.9	12.2
SMDH 00114	813249.9	8194341.3	162.5	1	2	20	2831.3	4646.4	2337.5	111.3	504.0	142.0	410.1	260.0	423.4	458.2	346.2	398.1	334.8	11.4	94.9	85.2	27.6
SMDH 00114	813249.9	8194341.3	162.5	2	3	20	3481.5	4629.6	3190.2	61.7	274.1	92.5	267.2	169.4	275.9	298.6	115.8	144.8	110.7	5.1	35.8	29.3	18.4
SMDH 00114	813249.9	8194341.3	162.5	3	4	60	2267.8	3935.5	1862.5	51.3	472.4	129.9	375.1	237.8	387.3	419.2	45.4	70.0	43.0	2.4	15.3	11.3	19.9
SMDH 00114	813249.9	8194341.3	162.5	4	5	100	1927.1	3553.8	1474.5	68.6	601.8	118.1	341.1	216.3	352.2	381.2	89.9	122.1	83.9	5.9	31.9	22.1	19.9
SMDH 00114	813249.9	8194341.3	162.5	5	6	80	2428.6	5237.9	1641.7	82.0	1190.3	194.8	562.7	356.8	581.0	628.8	491.9	530.1	484.6	7.3	115.3	125.5	24.5
SMDH 00114	813249.9	8194341.3	162.5	6	7	100	2131.4	4324.0	1575.7	130.6	474.4	179.7	518.9	329.0	535.8	579.9	118.6	180.8	110.2	8.5	43.8	30.4	44.4
SMDH 00114	813249.9	8194341.3	162.5	7	8	100	1727.5	3883.8	1205.0	120.9	406.6	180.4	520.8	330.2	537.8	582.0	153.3	211.2	145.6	7.7	54.0	42.2	39.8
SMDH 00114	813249.9	8194341.3	162.5	8	9	90	2916.2	4787.2	2374.6	104.7	674.3	137.0	395.5	250.8	408.4	442.0	477.1	525.8	465.3	11.8	132.4	130.5	23.0
SMDH 00114	813249.9	8194341.3	162.5	9	10	100	2296.4	4788.0	1746.8	65.4	543.5	203.9	588.9	373.4	608.0	658.1	522.3	552.2	515.5	6.8	120.0	133.9	18.4
SMDH 00115	813124.0	8194344.5	161.5	0	1	10	271.3	581.5	127.7	43.7	211.6	16.6	48.1	30.5	49.6	53.7	80.1	100.1	74.2	5.9	26.7	17.7	7.7
SMDH 00115	813124.0	8194344.5	161.5	1	2	15	1668.5	3341.4	1150.8	112.7	654.6	119.3	344.6	218.5	355.8	385.0	444.9	496.2	429.9	15.0	116.8	108.6	21.4
SMDH 00115	813124.0	8194344.5	161.5	2	3	15	2679.1	3961.0	2308.7	61.9	495.3	91.8	265.1	168.1	273.8	296.3	334.4	362.7	326.8	7.6	79.8	82.1	13.8
SMDH 00115	813124.0	8194344.5	161.5	3	4	15	1418.0	2295.7	1140.9	69.4	326.3	63.6	183.8	116.5	189.8	205.4	249.4	280.5	239.3	10.1	67.2	60.1	12.2
SMDH 00115	813124.0	8194344.5	161.5	4	5	50	1643.5	2853.7	1302.5	68.6	399.1	90.8	262.3	166.3	270.9	293.2	274.6	306.1	266.5	8.1	70.1	66.7	15.3
SMDH 00115	813124.0	8194344.5	161.5	5	6	50	1512.8	2965.9	1115.1	79.3	447.4	111.0	320.6	203.3	331.0	358.2	292.6	329.1	283.4	9.2	74.8	70.3	18.4
SMDH 00115	813124.0	8194344.5	161.5	6	7	50	1509.5	3089.6	1046.5	93.3	572.2	115.5	333.5	211.5	344.4	372.7	315.0	357.5	303.3	11.7	85.2	77.5	19.9
SMDH 00115	813124.0	8194344.5	161.5	7	8	100	1503.5	2906.7	1112.7	93.5	395.4	109.4	316.0	200.4	326.3	353.1	350.9	394.3	340.0	10.9	93.5	88.3	19.9
SMDH 00115	813124.0	8194344.5	161.5	8	9	80	1385.5	2792.1	979.6	76.9	509.0	102.8	297.0	188.3	306.6	331.9	306.6	341.7	297.1	9.5	77.8	71.9	16.8
SMDH 00115	813124.0	8194344.5	161.5	9	10	70	1258.3	2809.5	861.4	59.2	469.8	119.0	343.6	217.9	354.8	384.0	265.9	293.5	260.4	5.4	64.7	67.9	16.8
SMDH 00115	813124.0	8194344.5	161.5	10	11	90	1361.8	2731.5	974.5	61.1	516.5	98.9	285.5	181.0	294.8	319.1	266.1	294.5	259.8	6.3	64.8	64.9	15.3
SMDH 00115	813124.0	8194344.5	161.5	11	12	80	1411.5	3258.0	877.9	124.6	584.5	140.1	404.5	256.5	417.7	452.1	348.6	406.6	333.7	14.9	103.1	87.4	24.5
SMDH 00115	813124.0	8194344.5	161.5	12	13	80	1261.2	2697.3	841.3	90.6	495.5	106.5	307.4	194.9	317.4	343.6	286.3	328.7	275.9	10.4	81.2	71.7	18.4
SMDH 00115	813124.0	8194344.5	161.5	13	14	80	1427.5	2895.2	993.9	105.7	474.9	110.7	319.8	202.7	330.2	357.3	268.0	317.7	256.2	11.8	83.5	68.2	21.4
SMDH 00115	813124.0	8194344.5	161.5	14	15	50	1516.8	3048.9	1069.5	104.1	499.4	115.4	333.1	211.2	343.9	372.3	270.6	319.5	258.6	12.0	84.6	68.7	19.9
SMDH 00116	812999.0	8194346.5	160.9	0	1	5	1428.9	3231.1	839.1	93.1	925.3	115.2	332.6	210.9	343.4	371.6	487.3	529.9	475.8	11.5	117.7	119.8	19.9
SMDH 00116	812999.0	8194346.5	160.9	1	2	15	3575.8	4809.0	3210.3	57.2	518.0	85.8	247.8	157.1	255.8	276.9	294.5	321.0	287.9	6.6	72.5	72.4	12.2
SMDH 00116	812999.0	8194346.5	160.9	2	3	20	1805.1	2883.0	1480.4	68.9	403.5	78.0	225.2	142.8	232.5	251.7	320.3	352.0	311.3	8.9	82.8	78.5	12.2
SMDH 00116	812999.0	8194346.5	160.9	3	4	30	1745.8	3240.1	1287.5	80.8	642.2	103.1	297.7	188.7	307.4	332.7	383.2	420.2	374.0	9.2	95.4	97.2	19.9
SMDH 00116	812999.0	8194346.5	160.9	4	5	40	1335.1	2534.3	1010.7	70.7	336.7	93.6	270.3	171.4	279.0	302.0	275.1	308.0	268.0	7.0	70.4	69.6	18.4
SMDH 00116	812999.0	8194346.5	160.9	5	6	70	2068.4	4667.0	1386.7	118.5	777.9	199.9	577.1	365.9	595.9	644.9	583.5	638.3	570.2	13.3	143.7	146.3	27.6
SMDH 00116	812999.0	8194346.5	160.9	6	7	80	1629.7	3403.0	1154.7	93.4	521.0	137.0	395.6	250.8	408.4	442.1	471.7	514.4	460.1	11.6	117.1	119.1	19.9
SMDH 00116	812999.0	8194346.5	160.9	7	8	100	726.5	1472.8	524.9	48.2	193.5	59.2	171.0	108.4	176.6	191.1	197.7	219.8	191.1	6.6	54.1	49.2	7.7
SMDH 00116	812999.0	8194346.5	160.9	8	9	90	1029.4	2035.4	748.0	54.0	335.2	75.3	217.5	137.9	224.5	243.0	305.9	330.6	299.4	6.5	74.1	76.8	12.2
SMDH 00116	812999.0	8194346.5	160.9	9	10	100	1624.9	3053.4	1202.3	82.3	539.2	103.1	297.7	188.7	307.4	332.7	568.5	606.5	558.5	10.0	133.3	140.2	16.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00116	812999.0	8194346.5	160.9	10	11	90	1833.6	3520.8	1323.8	93.0	691.0	118.5	342.1	216.9	353.2	382.3	640.3	683.1	628.7	11.6	150.4	158.7	18.4
SMDH 00116	812999.0	8194346.5	160.9	11	12	90	1480.8	3185.0	1026.9	73.6	550.4	128.6	371.4	235.5	383.5	415.1	457.4	491.4	449.6	7.8	105.5	112.4	18.4
SMDH 00116	812999.0	8194346.5	160.9	12	13	90	1207.0	2521.5	846.8	56.2	462.9	96.9	279.8	177.4	288.9	312.6	336.8	362.4	329.9	6.9	74.5	77.6	12.2
SMDH 00116	812999.0	8194346.5	160.9	13	14	90	1455.4	3303.7	953.3	58.0	711.8	132.5	382.7	242.7	395.1	427.7	405.1	432.2	400.0	5.2	85.8	94.5	16.8
SMDH 00116	812999.0	8194346.5	160.9	14	15	90	1375.5	2947.5	908.9	74.9	656.2	109.6	316.6	200.7	326.9	353.8	309.4	344.1	301.4	8.0	76.3	73.8	18.4
SMDH 00116	812999.0	8194346.5	160.9	15	16	80	1215.0	2526.5	835.2	77.5	458.6	96.9	279.7	177.3	288.8	312.6	200.9	237.0	192.3	8.7	58.2	48.3	16.8
SMDH 00116	812999.0	8194346.5	160.9	16	17	90	1745.5	3168.8	1315.5	118.3	437.7	108.8	314.1	199.1	324.3	351.0	370.4	425.2	356.3	14.1	102.1	89.3	24.5
SMDH 00116	812999.0	8194346.5	160.9	17	18	40	1898.2	3428.1	1346.6	168.1	646.5	106.2	306.7	194.5	316.7	342.8	412.3	489.0	387.5	24.8	133.9	99.6	23.0
SMDH 00117	812875.4	8194342.2	159.2	0	1	10	925.5	1809.1	597.0	77.4	481.0	54.8	158.3	100.4	163.4	176.9	358.3	394.3	348.1	10.2	95.8	89.4	12.2
SMDH 00117	812875.4	8194342.2	159.2	1	2	10	1281.9	2270.7	951.9	84.0	411.2	69.0	199.4	126.4	205.9	222.8	315.5	354.3	304.3	11.2	90.3	79.5	13.8
SMDH 00117	812875.4	8194342.2	159.2	2	3	20	1642.4	2797.7	1271.8	75.6	508.1	79.0	228.1	144.6	235.5	254.9	261.0	297.0	253.5	7.5	72.9	65.6	16.8
SMDH 00117	812875.4	8194342.2	159.2	3	4	60	1373.9	2538.0	1038.9	75.2	376.1	87.9	253.7	160.9	261.9	283.5	382.6	417.2	373.3	9.3	97.6	95.9	15.3
SMDH 00117	812875.4	8194342.2	159.2	4	5	80	1472.5	2826.5	1086.8	97.6	386.2	105.3	304.1	192.8	314.0	339.8	386.4	431.7	374.5	11.9	101.9	92.6	18.4
SMDH 00117	812875.4	8194342.2	159.2	5	6	100	1523.9	2870.9	1122.6	92.7	463.7	99.9	288.6	183.0	298.0	322.5	409.5	452.8	399.2	10.3	100.3	96.9	19.9
SMDH 00117	812875.4	8194342.2	159.2	6	7	90	1759.6	4431.1	995.3	125.0	1019.1	192.1	554.8	351.8	572.9	620.0	343.3	401.4	331.1	12.2	93.4	86.2	33.7
SMDH 00117	812875.4	8194342.2	159.2	7	8	90	1453.6	3067.3	937.4	100.5	722.5	109.6	316.4	200.6	326.7	353.6	295.2	341.7	283.4	11.8	85.3	73.5	21.4
SMDH 00117	812875.4	8194342.2	159.2	8	9	80	1459.5	2911.0	1045.6	93.6	455.7	110.3	318.6	202.0	329.0	356.1	283.8	326.6	271.7	12.0	84.2	73.0	18.4
SMDH 00117	812875.4	8194342.2	159.2	9	10	90	768.8	1924.5	597.5	4.8	41.1	107.4	310.2	196.7	320.2	346.6	4.3	5.4	2.3	2.0	1.8	1.5	0.8
SMDH 00117	812875.4	8194342.2	159.2	10	11	90	1417.2	2716.3	1026.6	95.0	439.8	96.8	279.6	177.3	288.7	312.5	253.5	296.8	241.0	12.5	77.3	64.2	18.4
SMDH 00117	812875.4	8194342.2	159.2	11	12	80	1359.2	2722.8	964.4	109.0	373.0	107.0	309.0	196.0	319.1	345.4	239.5	289.9	226.6	12.8	76.8	59.8	23.0
SMDH 00117	812875.4	8194342.2	159.2	12	13	100	1260.9	2360.5	919.8	87.9	383.2	81.3	234.7	148.8	242.4	262.3	253.2	293.5	241.4	11.8	76.2	63.1	15.3
SMDH 00117	812875.4	8194342.2	159.2	13	14	100	1488.7	2875.6	1090.1	78.8	485.1	102.4	295.8	187.5	305.4	330.5	415.6	450.9	404.6	11.0	103.3	103.3	15.3
SMDH 00118	812751.3	8194351.8	158.3	0	1	40	1184.9	2752.7	651.0	129.2	705.3	106.2	306.8	194.5	316.8	342.9	379.2	438.6	361.3	17.8	113.5	92.2	19.9
SMDH 00118	812751.3	8194351.8	158.3	1	2	75	648.7	1430.5	382.1	65.5	349.4	53.1	153.4	97.3	158.4	171.4	206.8	237.1	199.1	7.8	56.8	50.1	13.8
SMDH 00118	812751.3	8194351.8	158.3	2	3	60	1651.2	3027.5	1204.7	84.3	644.4	91.7	264.9	168.0	273.5	296.0	358.8	397.8	349.0	9.7	91.0	87.9	18.4
SMDH 00118	812751.3	8194351.8	158.3	3	4	50	2299.6	3416.0	2005.3	55.2	324.2	86.5	249.7	158.3	257.8	279.0	353.4	378.8	347.4	6.0	80.5	86.4	13.8
SMDH 00118	812751.3	8194351.8	158.3	4	5	80	1389.3	2373.5	1111.7	58.7	315.1	74.4	215.0	136.3	222.0	240.2	264.3	291.5	258.3	6.0	64.3	64.8	15.3
SMDH 00118	812751.3	8194351.8	158.3	5	6	50	1296.3	2087.0	1078.5	48.7	228.4	61.3	177.1	112.3	182.8	197.9	191.1	213.8	186.1	5.0	47.3	45.1	12.2
SMDH 00118	812751.3	8194351.8	158.3	6	7	70	1119.0	2176.4	845.8	45.1	313.0	81.5	235.5	149.3	243.1	263.1	135.6	157.0	132.6	3.0	32.7	31.8	15.3
SMDH 00119	812639.9	8194346.2	158.3	0	1	30	1064.7	2824.1	548.7	140.0	507.5	136.5	394.1	249.9	407.0	440.5	263.9	329.4	248.1	15.8	88.8	64.2	29.1
SMDH 00119	812639.9	8194346.2	158.3	1	2	60	1026.8	2469.1	591.2	121.5	437.0	110.6	319.4	202.5	329.8	357.0	255.5	312.5	242.2	13.4	82.5	63.0	26.0
SMDH 00119	812639.9	8194346.2	158.3	2	3	90	1127.5	2611.5	673.2	119.9	490.7	111.3	321.4	203.8	331.9	359.2	290.6	346.7	276.9	13.7	89.1	70.8	24.5
SMDH 00119	812639.9	8194346.2	158.3	3	4	60	1277.8	2899.6	736.1	121.4	735.5	109.5	316.3	200.6	326.6	353.5	393.7	450.4	379.6	14.1	109.1	95.7	24.5
SMDH 00119	812639.9	8194346.2	158.3	4	5	60	1860.0	3666.7	1162.1	139.5	1147.5	102.1	294.8	186.9	304.4	329.4	646.6	710.6	627.7	18.9	168.2	160.2	23.0
SMDH 00119	812639.9	8194346.2	158.3	5	6	90	1488.8	3020.7	1028.2	116.8	501.5	115.2	332.7	211.0	343.5	371.8	435.4	489.8	422.4	12.9	111.0	104.2	26.0
SMDH 00119	812639.9	8194346.2	158.3	6	7	80	1483.3	2818.2	1077.8	67.7	576.0	92.0	265.5	168.4	274.2	296.7	307.6	339.3	301.2	6.4	71.0	72.2	18.4
SMDH 00119	812639.9	8194346.2	158.3	7	8	80	1131.1	2006.8	867.3	53.1	337.8	62.8	181.2	114.9	187.1	202.5	193.3	218.1	188.5	4.8	45.9	44.4	15.3
SMDH 00120	814496.2	8194472.2	169.3	0	1	20	2021.1	3844.5	1419.1	185.3	624.4	135.5	391.2	248.0	403.9	437.1	406.8	492.1	383.7	23.1	130.3	101.2	36.7
SMDH 00120	814496.2	8194472.2	169.3	1	2	50	1626.4	4567.7	886.3	141.1	740.6	234.7	677.8	429.8	699.9	757.5	508.6	573.3	491.9	16.6	127.3	118.7	32.1
SMDH 00120	814496.2	8194472.2	169.3	2	3	75	1497.3	3270.1	927.7	127.7	740.8	123.6	356.9	226.3	368.5	398.8	437.9	496.4	421.9	16.1	119.7	109.5	26.0
SMDH 00120	814496.2	8194472.2	169.3	3	4	80	1670.0	3330.8	1107.1	152.6	680.0	116.6	336.8	213.5	347.7	376.4	354.6	425.4	335.9	18.7	113.5	88.3	29.1
SMDH 00120	814496.2	8194472.2	169.3	4	5	98	1882.3	3718.8	1310.7	143.4	659.9	134.6	388.5	246.4	401.2	434.2	346.5	412.8	329.7	16.8	105.5	85.6	30.6
SMDH 00120	814496.2	8194472.2	169.3	5	6	98	3573.8	7917.7	2697.9	186.9	382.9	389.9	1125.8	713.8	1162.4	1258.1	143.3	231.9	130.1	13.2	65.0	42.4	61.2
SMDH 00120	814496.2	8194472.2	169.3	6	7	80	3046.1	7184.2	2207.1	192.8	327.9	373.6	1078.9	684.1	1114.0	1205.7	152.6	244.3	139.2	13.4	66.4	42.9	62.8
SMDH 00120	814496.2	8194472.2	169.3	7	8	80	1804.8	4137.0	1198.4	105.7	680.7	180.4	521.1	330.4	538.0	582.3	270.5	319.6	260.2	10.3	70.1	62.1	29.1
SMDH 00121	814377.3	8194463.5	170.6	0	1	20	1106.5	2668.3	594.8	67.5	851.8	96.8	279.5	177.2	288.5	312.3	310.1	341.1	302.2	7.9	72.3	70.4	15.3
SMDH 00121	814377.3	8194463.5	170.6	1	2	40	1242.9	2871.8	795.8	88.0	509.7	123.9	357.9	226.9	369.5	400.0	460.5	501.2	449.5	11.0	115.1	111.8	16.8
SMDH 00121	814377.3	8194463.5	170.6	2	3	75	2108.6	3544.9	1689.5	84.2	515.8	105.2	303.9	192.7	313.8	339.6	284.3	323.2	274.4	9.8	75.9	69.8	18.4
SMDH 00121	814377.3	8194463.5	170.6	3	4	80	1841.5	3517.9	1294.6	124.3	717.4	115.8	334.5	212.1	345.4	373.8	411.1	467.9	394.6	16.5	116.3	101.6	23.0
SMDH 00121	814377.3	8194463.5	170.6	4	5	90	1342.6	2681.6	946.5	57.1	578.6	92.2	266.2	168.8	274.8	297.4	303.9	330.3	297.7	6.2	71.7	73.0	13.8
SMDH 00121	814377.3	8194463.5	170.6	5	6	85	869.9	1310.5	754.4	30.5	93.8	36.2	104.5	66.3	107.9	116.8	84.4	98.4	81.1	3.4	24.0	20.9	7.7
SMDH 00121	814377.3	8194463.5	170.6	6	7	85	1429.2	2966.4	943.7	78.9	727.1	102.0	294.6	186.8	304.1	329.2	242.0	278.2	233.3	8.7	65.2	59.6	19.9
SMDH 00121	814377.3	8194463.5	170.6	7	8	95	1507.5	2955.6	1049.8	92.7	619.1	100.1	289.0	183.3	298.4	323.0	394.6	436.4	382.0	12.6	104.7	100.1	18.4
SMDH 00121	814377.3	8194463.5	170.6	8	9	95	1602.2	3060.1	1134.9	94.3	643.7	99.5	287.4	182.3	296.8	321.2	375.3	417.8	362.5	12.8	103.2	97.2	18.4
SMDH 00121	814377.3	8194463.5	170.6	9	10	90	1426.8	3050.1	918.9	110.9	650.0	114.9	331.8	210.4	342.5	370.7	406.5	456.7	391.1	15.5	116.7	106.3	19.9
SMDH 00121	814377.3	8194463.5	170.6	10	11	98	1230.0	2575.8	863.2	51.0	490.9	98.2	283.5	179.7	292.7	316.8	57.6	81.4	53.6	4.0	18.7	13.7	16.8
SMDH 00121	814377.3	8194463.5	170.6	11	12	85	1110.1	2343.4	801.0	35.7	391.4	93.5	270.0	171.2	278.8	301.7	36.8	53.5	34.2	2.6	12.5	8.9	12.2
SMDH 00122	814259.4	8194460.3	171.9	0	1	30	1208.4	2644.0	711.7	79.2	816.4	86.9	251.0	159.1	259.1	280.5	388.0	423.3	376.2	11.8	101.1	96.7	13.8
SMDH 00122	814259.4	8194460.3	171.9	1	2	40	1297.5	2999.9	694.4	100.7	994.7	101.5	293.0	185.8	302.5	327.4	425.6	471.2	412.2	13.4	114.6	110.5	19.9
SMDH 00122	814259.4	8194460.3	171.9	2	3	50	1893.1	2984.1	1521.6	107.8	425.8	77.9	224.9	142.6	232.2	251.3	315.3	364.7	302.1	13.2	94.0	84.3	23.0
SMDH 00122	814259.4	8194460.3	171.9	3	4	80	2619.5	3646.9	2258.9	94.7	464.8	69.5	200.6	127.2	207.1	224.2	345.9	388.7	333.1	12.8	94.1	87.9	18.4
SMDH 00122	814259.4	8194460.3	171.9	4	5	75	2214.9	3438.9	1769.8	124.1	569.2	81.8	236.3	149.8	243.9	264.0	470.8	527.6	454.0	16.8	133.6	121.2	21.4
SMDH 00122	814259.4	8194460.3	171.9	5	6	85	1432.2	2309.4	1190.3	46.8	280.8	66.4	191.6	121.5	197.9	214.1	109.9	131.7	105.7	4.2	30.6	27.1	13.8
SMDH 00122	814259.4	8194460.3	171.9	6	7	80	1498.6	2391.3	1257.8	59.8	221.7	71.4	206.3	130.8	213.0	230.5	272.7	300.5	266.6	6.1	66.1	67.1	15.3
SMDH 00122	814259.4	8194460.3	171.9	7	8	85	1580.1	2810.9	1170.5	116.5	464.1	88.9	256.6	162.7	264.9	286.7	422.3	475.3	407.0	15.3	116.0	108.5	23.0
SMDH 00122	814259.4	8194460.3	171.9	8	9	85	1454.3	2432.1	1078.1	131.8	410.5	68.1	196.5	124.6	202.9	219.6	366.5	426.3	347.6	18.8	115.2	95.5	21.4
SMDH 00122	814259.4	8194460.3	171.9	9	10	85	1238.9	2252.5	857.4	120.8	452.8	68.9	198.9	126.1	205.4	222.3	329.6	384.3	311.9	17.7	105.7	86.5	18.4
SMDH 00123	814136.8	8194464.9	173.0	0	1	30	1289.2	2364.4	906.5	112.5	456.7	74.5	215.1	136.4	222.1	240.4	346.8	398.8	332.7	14.1	101.1	88.1	21.4
SMDH 00123	814136.8	8194464.9	173.0	1	2	80	1206.3	2550.5	706.2	110.8	758.3	81.8	236.1	149.7	243.8	263.8	411.6	462.4	396.0	15.6	122.0	108.3	16.8
SMDH 00123	814136.8	8194464.9	173.0	2	3	70	1316.2	2486.6	972.9	79.9	386.0	87.9	253.7	160.9	261.9	283.5	533.4	569.1	521.6	11.8	130.5	134.8	13.8
SMDH 00123	814136.8	8194464.9	173.0	3	4	75	1743.2	3037.1	1315.5	103.6	546.1	89.9	259.5	164.6	268.0	290.0	407.8	455.0	393.7	14.2	113.5	103.7	18.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00123	814136.8	8194464.9	173.0	4	5	85	1392.2	2727.1	940.8	111.3	584.2	91.5	264.1	167.5	272.7	295.1	372.8	423.9	357.3	15.6	112.1	96.5	16.8
SMDH 00123	814136.8	8194464.9	173.0	5	6	90	1693.5	3001.6	1250.1	110.8	570.0	89.8	259.2	164.4	267.6	289.7	345.4	396.1	330.7	14.8	101.3	87.1	19.9
SMDH 00123	814136.8	8194464.9	173.0	6	7	90	1472.7	2824.2	1070.5	93.1	463.5	100.4	289.8	183.8	299.3	323.9	336.2	379.2	324.4	11.8	92.7	82.8	16.8
SMDH 00123	814136.8	8194464.9	173.0	7	8	95	1632.8	3103.5	1160.6	116.5	574.8	104.9	303.0	192.1	312.9	338.6	380.9	435.3	366.9	14.1	109.9	95.2	21.4
SMDH 00123	814136.8	8194464.9	173.0	8	9	95	1573.4	2948.0	1104.7	127.4	569.3	96.1	277.6	176.0	286.6	310.2	367.9	426.8	350.4	17.5	115.3	93.0	18.4
SMDH 00123	814136.8	8194464.9	173.0	9	10	90	1450.3	2763.5	1023.5	114.7	493.1	94.9	274.1	173.8	283.0	306.3	385.9	439.0	371.1	14.8	112.6	98.5	19.9
SMDH 00123	814136.8	8194464.9	173.0	10	11	95	1595.6	3137.4	1087.6	122.9	646.5	107.4	310.0	196.6	320.1	346.4	435.4	492.1	418.9	16.5	126.5	110.6	19.9
SMDH 00123	814136.8	8194464.9	173.0	11	12	90	1967.5	3783.8	1405.9	124.6	701.3	130.1	375.7	238.2	388.0	419.9	545.4	602.8	530.8	14.6	137.5	135.1	27.6
SMDH 00123	814136.8	8194464.9	173.0	12	13	90	1966.1	3692.8	1453.5	98.9	660.8	124.1	358.2	227.1	369.9	400.3	559.2	604.6	547.3	11.9	137.6	142.0	21.4
SMDH 00124	814013.4	8194466.8	173.6	0	1	40	942.5	2255.8	483.4	81.1	732.6	80.4	232.1	147.2	239.6	259.4	271.3	309.1	263.3	8.0	69.6	66.4	21.4
SMDH 00124	814013.4	8194466.8	173.6	1	2	75	1376.1	3292.4	669.0	134.5	1145.4	112.6	325.3	206.2	335.9	363.5	389.3	452.2	376.2	13.0	104.5	95.6	35.2
SMDH 00124	814013.4	8194466.8	173.6	2	3	60	1118.3	2888.2	598.2	83.0	724.1	124.3	359.0	227.6	370.7	401.2	349.0	387.8	342.2	6.8	82.2	87.5	26.0
SMDH 00124	814013.4	8194466.8	173.6	3	4	80	1535.3	3416.4	992.8	91.6	720.6	135.1	390.1	247.4	402.8	436.0	482.2	524.6	472.5	9.6	120.9	125.7	23.0
SMDH 00124	814013.4	8194466.8	173.6	4	5	90	1011.9	2013.5	722.2	76.4	286.3	77.9	224.8	142.6	232.1	251.2	335.3	371.0	326.0	9.3	92.8	86.5	13.8
SMDH 00124	814013.4	8194466.8	173.6	5	6	95	1013.5	2252.7	644.4	81.5	440.3	91.1	263.1	166.8	271.6	294.0	351.4	389.4	342.0	9.4	95.9	91.7	16.8
SMDH 00124	814013.4	8194466.8	173.6	6	7	95	1197.8	2595.9	786.5	97.9	456.2	105.2	303.9	192.7	313.8	339.6	353.3	397.9	340.2	13.1	100.6	92.2	18.4
SMDH 00124	814013.4	8194466.8	173.6	7	8	5	1582.8	2827.5	1182.0	103.1	474.5	89.5	258.6	164.0	267.0	289.0	357.7	405.1	344.2	13.5	105.4	94.3	18.4
SMDH 00124	814013.4	8194466.8	173.6	8	9	95	1679.3	3090.5	1196.4	141.1	552.8	100.6	290.6	184.2	300.0	324.7	381.0	446.9	363.5	17.6	120.8	97.9	24.5
SMDH 00124	814013.4	8194466.8	173.6	9	10	85	1380.4	2832.5	867.3	130.4	682.3	96.6	279.1	176.9	288.1	311.8	399.3	459.7	382.7	16.5	120.0	102.0	23.0
SMDH 00124	814013.4	8194466.8	173.6	10	11	75	1533.0	2770.1	1082.6	154.1	473.1	88.9	256.7	162.8	265.1	286.9	419.8	490.1	397.3	22.5	136.1	108.9	21.4
SMDH 00125	813895.3	8194465.5	173.5	0	1	10	1264.2	2623.9	657.9	112.2	1132.0	60.5	174.8	110.8	180.4	195.3	409.2	461.6	397.6	11.6	104.6	100.6	27.6
SMDH 00125	813895.3	8194465.5	173.5	1	2	80	1220.1	2445.5	722.6	128.2	743.7	71.3	206.0	130.6	212.7	230.2	460.1	519.7	444.9	15.1	121.3	110.5	26.0
SMDH 00125	813895.3	8194465.5	173.5	2	3	98	1254.6	2449.6	774.3	128.2	696.1	71.3	206.0	130.6	212.7	230.2	444.1	503.7	427.6	16.5	126.4	110.1	21.4
SMDH 00125	813895.3	8194465.5	173.5	3	4	90	1269.3	2316.1	848.6	138.3	515.2	68.2	197.1	125.0	203.5	220.2	419.2	483.4	400.8	18.4	126.0	103.2	21.4
SMDH 00125	813895.3	8194465.5	173.5	4	5	90	1434.8	2681.5	980.6	116.3	619.7	80.9	233.6	148.1	241.2	261.1	420.7	475.0	408.0	12.7	110.4	102.7	26.0
SMDH 00125	813895.3	8194465.5	173.5	5	6	98	1961.0	3764.2	1419.6	129.2	618.0	133.9	386.8	245.2	399.4	432.2	404.6	464.5	388.8	15.8	121.0	104.1	24.5
SMDH 00125	813895.3	8194465.5	173.5	6	7	85	2079.2	3850.3	1504.8	122.6	777.3	121.2	350.0	221.9	361.4	391.1	591.1	647.5	575.8	15.2	150.4	147.1	24.5
SMDH 00125	813895.3	8194465.5	173.5	7	8	90	2470.0	4277.6	1906.6	107.4	774.8	124.8	360.5	228.6	372.2	402.8	542.0	591.7	530.8	11.2	129.1	132.7	27.6
SMDH 00125	813895.3	8194465.5	173.5	8	9	75	2296.5	4004.2	1734.2	141.2	696.8	120.1	346.7	219.8	358.0	387.4	678.5	743.6	660.9	17.6	170.6	165.3	27.6
SMDH 00125	813895.3	8194465.5	173.5	9	10	75	2171.3	3995.1	1599.6	143.9	664.3	133.1	384.3	243.7	396.8	429.5	581.9	648.2	563.8	18.1	154.9	143.5	27.6
SMDH 00125	813895.3	8194465.5	173.5	10	11	98	2470.3	4214.2	1901.6	85.8	903.4	111.0	320.4	203.2	330.8	358.0	579.5	619.1	570.3	9.2	131.0	140.8	21.4
SMDH 00125	813895.3	8194465.5	173.5	11	12	95	2078.7	3729.9	1488.4	184.5	668.9	116.4	336.1	213.1	347.0	375.6	577.5	662.3	552.6	24.9	171.2	144.1	30.6
SMDH 00125	813895.3	8194465.5	173.5	12	13	80	1994.3	4015.2	1351.9	177.7	702.1	149.5	431.8	273.8	445.9	482.5	532.7	614.9	508.8	23.9	163.6	133.3	27.6
SMDH 00125	813895.3	8194465.5	173.5	13	14	70	1532.4	3258.1	1043.4	67.6	689.3	122.2	353.0	223.8	364.4	394.4	321.0	352.1	313.6	7.5	77.2	80.3	16.8
SMDH 00126	813778.0	8194459.2	170.9	0	1	40	1863.5	3702.0	1159.7	144.4	1135.3	105.9	305.7	193.8	315.6	341.6	675.8	742.0	657.2	18.6	166.9	163.3	27.6
SMDH 00126	813778.0	8194459.2	170.9	1	2	40	22178.9	60928.9	785.7	335.7	57610.0	184.2	532.0	337.3	549.3	594.5	436.6	598.8	424.3	12.4	105.7	101.6	136.2
SMDH 00126	813778.0	8194459.2	170.9	2	3	75	1864.0	3906.4	1102.3	176.3	1130.4	125.6	362.6	229.9	374.3	405.1	636.8	719.1	617.1	19.7	168.1	159.1	38.3
SMDH 00126	813778.0	8194459.2	170.9	3	4	60	2433.7	3863.0	1936.6	142.9	589.6	100.1	289.0	183.3	298.4	323.0	545.9	612.1	528.4	17.5	147.7	139.1	27.6
SMDH 00126	813778.0	8194459.2	170.9	4	5	80	1931.5	3461.9	1437.1	122.9	603.0	108.9	314.5	199.4	324.7	351.4	549.5	605.8	533.9	15.6	144.3	142.7	24.5
SMDH 00126	813778.0	8194459.2	170.9	5	6	85	1864.9	3613.5	1315.3	134.7	654.2	126.5	365.4	231.7	377.3	408.4	632.4	694.4	614.6	17.9	169.1	165.7	23.0
SMDH 00126	813778.0	8194459.2	170.9	6	7	90	1897.8	3503.3	1345.8	156.4	653.6	113.0	326.2	206.9	336.8	364.6	659.6	730.7	638.5	21.1	176.5	171.4	29.1
SMDH 00126	813778.0	8194459.2	170.9	7	8	95	1707.8	3283.5	1184.3	145.1	606.0	113.0	326.4	207.0	337.0	364.7	599.3	664.5	577.6	21.7	166.3	153.8	23.0
SMDH 00126	813778.0	8194459.2	170.9	8	9	98	1736.6	3260.3	1249.3	136.7	529.7	112.7	325.5	206.4	336.1	363.8	569.8	632.3	550.5	19.2	154.4	141.2	21.4
SMDH 00126	813778.0	8194459.2	170.9	9	10	85	1717.8	3139.9	1237.8	145.7	520.9	103.6	299.1	189.7	308.9	334.3	630.4	696.7	609.2	21.2	178.4	164.2	21.4
SMDH 00126	813778.0	8194459.2	170.9	10	11	90	2224.2	3830.9	1742.2	131.6	489.1	123.1	355.4	225.4	367.0	397.2	547.5	608.3	530.0	17.6	150.0	137.9	21.4
SMDH 00126	813778.0	8194459.2	170.9	11	12	90	1788.7	3926.5	1111.9	131.1	939.2	146.2	422.3	267.8	436.0	471.9	550.4	610.3	532.6	17.8	142.8	133.5	23.0
SMDH 00126	813778.0	8194459.2	170.9	12	13	95	1849.7	3596.7	1282.7	148.3	668.6	125.5	362.5	229.8	374.3	405.1	663.0	729.9	641.5	21.5	170.5	161.6	24.5
SMDH 00126	813778.0	8194459.2	170.9	13	14	95	2134.6	4114.8	1483.6	180.7	742.6	143.2	413.5	262.2	426.9	462.1	839.1	921.2	813.3	25.8	216.7	205.6	29.1
SMDH 00126	813778.0	8194459.2	170.9	14	15	95	2368.0	4784.9	1628.4	185.3	834.5	179.1	517.3	328.0	534.1	578.1	785.6	869.7	759.3	26.3	202.5	187.7	30.6
SMDH 00126	813778.0	8194459.2	170.9	15	16	85	2207.3	4253.6	1514.1	186.8	841.2	143.5	414.4	262.7	427.9	463.1	757.3	842.9	731.7	25.6	203.0	184.7	30.6
SMDH 00126	813778.0	8194459.2	170.9	16	17	90	2397.1	4891.2	1578.5	164.1	1161.3	166.6	481.2	305.1	496.8	537.7	729.2	803.9	707.2	22.0	192.2	186.5	30.6
SMDH 00126	813778.0	8194459.2	170.9	17	18	95	2084.3	4147.6	1450.0	133.5	812.6	146.9	424.1	268.9	437.8	473.9	692.6	752.8	674.4	18.2	176.3	177.9	26.0
SMDH 00126	813778.0	8194459.2	170.9	18	19	98	1762.2	3537.5	1225.3	98.3	727.0	124.7	360.0	228.3	371.7	402.3	523.1	567.2	509.6	13.5	126.9	131.6	19.9
SMDH 00126	813778.0	8194459.2	170.9	19	20	85	1562.5	3015.0	1096.8	110.3	582.3	102.8	296.7	188.1	306.4	331.6	392.0	442.8	379.4	12.6	105.6	100.6	26.0
SMDH 00126	813778.0	8194459.2	170.9	20	21	90	2060.8	3556.3	1531.7	184.3	522.8	110.5	319.0	202.2	329.3	356.4	739.3	824.4	716.3	23.0	203.7	194.5	35.2
SMDH 00126	813778.0	8194459.2	170.9	21	22	95	1896.4	3494.2	1372.3	150.8	576.4	116.9	337.7	214.1	348.7	377.4	612.4	682.1	594.1	18.3	164.5	157.6	30.6
SMDH 00126	813778.0	8194459.2	170.9	22	23	80	1898.6	3435.6	1378.6	146.8	605.6	109.4	315.8	200.3	326.1	353.0	661.5	729.2	642.9	18.6	171.2	167.0	27.6
SMDH 00126	813778.0	8194459.2	170.9	23	24	90	1948.0	3606.7	1390.5	121.8	773.7	110.7	319.8	202.7	330.2	357.3	642.9	699.3	628.7	14.2	157.3	162.0	26.0
SMDH 00126	813778.0	8194459.2	170.9	24	25	75	1634.0	3164.7	1168.0	56.1	742.5	100.5	290.1	183.9	299.5	324.2	198.4	224.8	193.7	4.7	47.7	48.3	16.8
SMDH 00126	813778.0	8194459.2	170.9	25	25.5	90	3003.3	7574.7	1756.3	138.9	1794.9	325.7	940.5	596.3	971.1	1051.0	266.9	332.5	255.0	11.9	81.0	68.8	39.8
SMDH 00126	813778.0	8194459.2	170.9	25.5	26	90	3003.3	7574.7	1756.3	138.9	1794.9	325.7	940.5	596.3	971.1	1051.0	266.9	332.5	255.0	11.9	81.0	68.8	39.8
SMDH 00127	813655.0	8194459.0	168.4	0	1	10	1066.9	2154.2	630.1	80.6	763.6	57.0	164.6	104.4	170.0	183.9	381.2	418.6	372.2	9.0	87.8	84.1	18.4
SMDH 00127	813655.0	8194459.0	168.4	1	2	30	1506.0	2672.4	1079.6	150.0	435.3	84.5	243.9	154.7	251.9	272.6	564.8	634.8	545.3	19.5	154.6	132.5	23.0
SMDH 00127	813655.0	8194459.0	168.4	2	3	50	1749.8	3443.6	1212.2	100.2	762.9	114.7	331.3	210.0	342.0	370.2	468.9	515.5	458.3	10.6	113.0	114.7	24.5
SMDH 00127	813655.0	8194459.0	168.4	3	4	50	1762.2	3108.4	1310.2	127.9	520.3	96.4	278.4	176.5	287.5	311.1	644.8	703.0	626.5	18.4	166.6	160.0	19.9
SMDH 00127	813655.0	8194459.0	168.4	4	5	80	1976.5	3209.3	1482.4	188.3	509.6	86.3	249.1	158.0	257.2	278.4	542.5	627.3	514.8	27.7	160.8	131.5	30.6
SMDH 00127	813655.0	8194459.0	168.4	5	6	90	2543.8	3823.0	1734.0	446.3	696.5	79.3	229.1	145.2	236.5	256.0	789.8	985.8	717.1	72.7	286.7	198.4	68.9
SMDH 00127	813655.0	8194459.0	168.4	6	7	90	2885.2	4194.6	2106.3	463.9	505.5	93.8	270.9	171.8	279.7	302.7	997.6	1210.1	931.2	66.4	345.8	251.5	67.4
SMDH 00127	813655.0	8194459.0	168.4	7	8	100	2112.7	3835.5	1450.1	192.4	867.8	111.1	320.9	203.5	331.3	358.6	721.2	809.5	694.7	26.5	202.4	182.1	30.6
SMDH 00127	813655.0	8194459.0	168.4	8	9	100	2489.6	4075.4	1983.4	117.9	637.2	112.1	323.7	205.2	334.2	361.7	722.0	776.6	707.6	14.5	173.7	180.7	23.0
SMDH 00127	813655.0	8194459.0	168.4	9	10	100	2728.8	4542.0	2113.5	103.0	976.7	113.1	326.6	207.1	337.2	364.9	864.8	912.3	852.0	12.8	196.9	214.9	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00127	813655.0	8194459.0	168.4	10	11	80	2563.0	4392.4	1953.3	117.8	894.6	119.6	345.4	219.0	356.7	386.0	861.3	915.7	846.8	14.6	201.6	215.4	23.0
SMDH 00127	813655.0	8194459.0	168.4	11	12	90	2086.4	3763.8	1528.3	119.9	773.4	112.5	325.0	206.0	335.5	363.1	644.8	699.5	627.7	17.1	159.0	155.3	18.4
SMDH 00127	813655.0	8194459.0	168.4	12	13	80	2076.2	3979.0	1434.3	150.6	856.3	128.9	372.3	236.1	384.4	416.1	617.9	687.0	597.3	20.6	161.5	148.1	24.5
SMDH 00127	813655.0	8194459.0	168.4	13	14	80	1809.6	3116.4	1372.9	114.0	534.8	91.8	265.1	168.1	273.7	296.2	457.0	509.1	441.6	15.4	120.9	110.8	19.9
SMDH 00128	813531.9	8194463.5	166.2	0	1	10	997.9	2107.6	573.8	70.7	742.6	60.4	174.4	110.6	180.1	194.9	353.5	384.8	342.6	10.9	92.0	91.5	12.2
SMDH 00128	813531.9	8194463.5	166.2	1	2	30	1458.9	2951.5	880.2	134.9	884.3	88.2	254.7	161.5	263.0	284.7	565.6	626.5	546.2	19.4	154.9	146.4	23.0
SMDH 00128	813531.9	8194463.5	166.2	2	3	30	3335.5	4685.1	2912.5	88.9	555.2	94.6	273.2	173.2	282.1	305.3	522.1	562.7	511.2	10.9	122.2	129.1	19.9
SMDH 00128	813531.9	8194463.5	166.2	3	4	70	1655.0	2921.8	1253.3	76.6	563.0	86.3	249.1	158.0	257.2	278.4	390.3	425.3	380.9	9.4	95.5	97.1	16.8
SMDH 00128	813531.9	8194463.5	166.2	4	5	70	3019.9	4325.3	2659.0	59.6	457.4	96.4	278.3	176.4	287.3	310.9	345.3	372.4	338.0	7.3	80.4	85.4	13.8
SMDH 00128	813531.9	8194463.5	166.2	5	6	70	1962.6	3491.7	1531.0	68.6	572.7	110.6	319.4	202.5	329.8	357.0	528.3	559.4	520.1	8.2	117.0	129.4	16.8
SMDH 00128	813531.9	8194463.5	166.2	6	7	70	1637.5	3199.9	1138.0	100.8	686.0	106.9	308.7	195.7	318.8	345.0	466.2	512.4	453.3	12.9	115.2	111.9	19.9
SMDH 00128	813531.9	8194463.5	166.2	7	8	80	1914.7	3624.6	1357.1	115.3	772.7	115.7	334.0	211.8	344.9	373.2	540.7	593.1	525.5	15.2	132.4	130.3	23.0
SMDH 00128	813531.9	8194463.5	166.2	8	9	90	1953.5	3589.0	1425.2	141.5	607.4	118.6	342.6	217.2	353.7	382.8	534.9	598.4	513.4	21.5	144.8	128.3	21.4
SMDH 00128	813531.9	8194463.5	166.2	9	10	90	1770.1	3448.8	1207.9	123.1	776.3	112.5	324.8	205.9	335.4	363.0	510.0	566.3	494.3	15.7	131.0	124.6	24.5
SMDH 00128	813531.9	8194463.5	166.2	10	11	100	1978.7	3530.2	1516.2	80.9	629.6	109.3	315.6	200.1	325.9	352.7	584.0	621.1	574.9	9.1	132.8	145.8	19.9
SMDH 00128	813531.9	8194463.5	166.2	11	12	90	1498.6	2950.2	1079.9	68.3	564.9	103.7	299.5	189.9	309.3	334.7	361.8	393.5	355.0	6.8	83.2	88.3	18.4
SMDH 00128	813531.9	8194463.5	166.2	12	13	100	2036.8	3710.7	1529.6	95.4	679.4	117.9	340.5	215.9	351.5	380.5	597.2	641.0	585.9	11.3	138.9	145.8	21.4
SMDH 00128	813531.9	8194463.5	166.2	13	14	80	1353.5	2664.4	988.9	52.2	495.2	94.6	273.1	173.2	282.0	305.2	303.1	327.5	298.5	4.6	67.6	72.7	15.3
SMDH 00129	813421.2	8194464.3	164.3	0	1	10	758.2	2071.4	347.9	68.9	599.8	88.4	255.4	161.9	263.7	285.4	180.6	212.6	172.0	8.6	56.0	45.0	12.2
SMDH 00129	813421.2	8194464.3	164.3	1	2	20	1024.3	2984.7	390.5	141.1	833.4	135.8	392.1	248.6	404.9	438.2	179.1	244.1	161.0	18.0	78.9	47.5	26.0
SMDH 00129	813421.2	8194464.3	164.3	2	3	40	1608.7	4047.6	741.0	215.9	1178.0	160.4	463.1	293.6	478.1	517.5	292.3	391.4	262.4	29.9	122.1	69.1	33.7
SMDH 00129	813421.2	8194464.3	164.3	3	4	50	1202.4	1801.5	981.0	58.0	301.3	38.7	111.7	70.8	115.3	124.8	74.3	100.8	67.1	7.2	28.6	17.0	12.2
SMDH 00129	813421.2	8194464.3	164.3	4	5	70	2869.5	3993.5	2470.6	86.3	587.3	71.2	205.6	130.4	212.3	229.8	123.3	163.5	112.6	10.8	49.4	29.3	15.3
SMDH 00129	813421.2	8194464.3	164.3	5	6	70	2561.4	4036.2	2072.9	107.0	666.3	99.8	288.1	182.7	297.5	321.9	361.0	410.1	348.0	13.0	98.2	89.8	23.0
SMDH 00129	813421.2	8194464.3	164.3	6	7	80	1704.6	3154.5	1243.0	81.6	673.4	97.0	280.0	177.5	289.1	312.9	267.7	305.4	259.3	8.4	67.4	63.8	21.4
SMDH 00129	813421.2	8194464.3	164.3	7	8	90	1626.1	2793.5	1250.5	79.9	504.4	80.4	232.1	147.2	239.6	259.4	347.1	383.4	336.4	10.6	88.8	84.2	15.3
SMDH 00129	813421.2	8194464.3	164.3	8	9	100	2192.9	3828.1	1646.0	116.6	765.5	109.0	314.7	199.6	325.0	351.7	507.9	561.8	494.5	13.4	127.8	125.2	26.0
SMDH 00129	813421.2	8194464.3	164.3	9	10	100	890.6	1900.2	744.2	4.8	21.7	94.7	273.5	173.4	282.3	305.6	7.9	9.0	5.9	2.0	2.3	2.0	0.8
SMDH 00130	813304.8	8194470.5	162.3	0	1	10	2225.1	3280.8	1867.8	158.0	208.7	87.7	253.3	160.6	261.5	283.1	216.3	289.7	193.6	22.7	114.4	68.1	18.4
SMDH 00130	813304.8	8194470.5	162.3	1	2	10	1813.4	2937.7	1355.1	112.3	708.5	63.9	184.4	116.9	190.4	206.1	611.6	662.9	595.6	16.0	151.7	147.7	16.8
SMDH 00130	813304.8	8194470.5	162.3	2	3	40	1503.2	3069.9	998.7	75.2	795.2	100.7	290.7	184.3	300.2	324.9	435.2	469.6	426.6	8.5	103.2	109.8	18.4
SMDH 00130	813304.8	8194470.5	162.3	3	4	60	1507.1	2613.7	1071.3	95.7	695.8	63.0	181.8	115.3	187.7	203.2	448.9	492.6	435.0	13.8	116.8	108.8	13.8
SMDH 00130	813304.8	8194470.5	162.3	4	5	100	1317.0	2999.2	777.8	93.6	798.2	111.5	321.9	204.1	332.4	359.7	420.8	463.7	409.3	11.6	107.2	104.7	19.9
SMDH 00130	813304.8	8194470.5	162.3	5	6	90	1302.7	2498.4	963.3	35.6	520.3	82.1	237.1	150.3	244.8	264.9	37.9	54.7	35.9	2.0	11.8	9.6	13.8
SMDH 00130	813304.8	8194470.5	162.3	6	7	90	1114.4	2284.8	789.9	42.7	452.6	83.8	242.0	153.5	249.9	270.5	270.0	289.5	265.5	4.5	61.6	68.1	12.2
SMDH 00130	813304.8	8194470.5	162.3	7	8	100	1807.3	3826.4	1225.1	75.3	856.4	140.0	404.2	256.3	417.4	451.7	435.3	470.5	429.3	6.0	101.6	114.5	24.5
SMDH 00130	813304.8	8194470.5	162.3	8	9	90	1409.4	3038.4	957.7	49.8	665.2	114.5	330.6	209.6	341.4	369.5	216.8	240.4	213.8	3.0	50.0	55.4	18.4
SMDH 00130	813304.8	8194470.5	162.3	9	10	70	1891.8	3774.9	1283.5	117.6	863.8	126.6	365.6	231.8	377.5	408.5	443.1	497.0	428.5	14.6	121.9	115.0	24.5
SMDH 00130	813304.8	8194470.5	162.3	10	11	60	1461.3	3110.4	943.9	88.0	755.1	111.0	320.4	203.2	330.8	358.0	429.2	469.2	419.2	10.1	93.5	96.8	23.0
SMDH 00131	813192.4	8194453.8	160.2	0	1	10	883.3	1830.0	518.3	58.7	650.8	50.5	145.8	92.4	150.5	162.9	229.0	256.0	221.4	7.5	60.8	55.9	10.7
SMDH 00131	813192.4	8194453.8	160.2	1	2	20	1480.6	3053.3	892.2	96.0	1021.5	87.5	252.7	160.2	260.9	282.3	413.6	457.4	401.4	12.1	104.7	101.4	19.9
SMDH 00131	813192.4	8194453.8	160.2	2	3	30	2869.6	4026.3	2518.3	66.8	469.0	81.5	235.4	149.2	243.0	263.0	323.9	354.3	315.7	8.2	80.3	81.5	15.3
SMDH 00131	813192.4	8194453.8	160.2	3	4	50	1936.7	3342.1	1502.5	73.6	624.3	95.7	276.4	175.3	285.4	308.9	316.6	350.8	309.0	7.7	75.6	74.4	18.4
SMDH 00131	813192.4	8194453.8	160.2	4	5	80	2504.5	3790.4	2105.3	72.2	560.4	88.2	254.8	161.6	263.1	284.8	390.1	422.6	381.0	9.0	91.6	95.2	16.8
SMDH 00131	813192.4	8194453.8	160.2	5	6	100	1733.4	3237.5	1286.6	104.9	508.1	112.2	323.9	205.4	334.5	362.0	368.8	416.6	356.7	12.1	93.3	89.6	26.0
SMDH 00131	813192.4	8194453.8	160.2	6	7	90	2076.2	3519.0	1659.8	85.5	498.2	106.9	308.8	195.8	318.8	345.1	351.5	390.4	341.2	10.3	88.6	87.3	19.9
SMDH 00131	813192.4	8194453.8	160.2	7	8	80	1328.9	2957.0	873.3	72.5	597.4	118.5	342.3	217.0	353.4	382.5	355.2	388.3	346.5	8.7	85.4	86.9	16.8
SMDH 00131	813192.4	8194453.8	160.2	8	9	90	1735.4	2787.6	1456.6	50.0	317.7	80.8	233.2	147.9	240.8	260.6	493.4	515.9	486.8	6.6	104.0	116.1	10.7
SMDH 00131	813192.4	8194453.8	160.2	9	10	100	1745.2	3000.0	1422.7	53.4	365.4	97.1	280.5	177.8	289.6	313.4	521.2	545.3	514.0	7.2	116.5	128.6	10.7
SMDH 00131	813192.4	8194453.8	160.2	10	11	100	1593.5	2430.1	1372.1	41.4	246.0	64.6	186.6	118.3	192.7	208.5	442.6	461.2	436.7	5.9	97.2	107.7	7.7
SMDH 00132	813057.0	8194452.4	159.0	0	1	10	1627.4	2789.4	1149.5	100.7	803.6	61.7	178.1	112.9	183.9	199.0	418.4	464.6	404.3	14.1	117.1	106.3	15.3
SMDH 00132	813057.0	8194452.4	159.0	1	2	10	2614.0	3827.5	2248.3	50.9	551.5	81.9	236.5	150.0	244.2	264.3	275.6	299.5	270.9	4.7	62.5	65.1	13.8
SMDH 00132	813057.0	8194452.4	159.0	2	3	15	2289.6	3281.7	2004.0	42.1	400.6	70.0	202.2	128.2	208.8	225.9	149.2	168.7	145.2	4.0	36.8	36.5	12.2
SMDH 00132	813057.0	8194452.4	159.0	3	4	40	2048.3	3295.6	1682.8	49.9	538.1	85.9	248.1	157.3	256.2	277.2	214.6	238.2	210.2	4.4	51.5	51.9	13.8
SMDH 00132	813057.0	8194452.4	159.0	4	5	50	2342.3	3298.5	2046.5	76.6	330.1	70.9	204.7	129.8	211.3	228.7	164.0	199.7	155.9	8.1	50.1	39.7	18.4
SMDH 00132	813057.0	8194452.4	159.0	5	6	70	1601.4	3075.2	1141.0	139.2	447.5	113.0	326.2	206.9	336.8	364.6	306.4	370.9	289.1	17.3	100.7	76.5	26.0
SMDH 00132	813057.0	8194452.4	159.0	6	7	70	1778.0	3225.3	1307.7	137.7	502.2	107.1	309.4	196.2	319.4	345.7	368.7	432.6	352.3	16.4	112.0	93.3	27.6
SMDH 00132	813057.0	8194452.4	159.0	7	8	80	1316.8	2750.4	865.0	111.8	535.8	103.8	299.7	190.0	309.4	334.9	306.9	359.2	294.6	12.3	89.4	76.1	24.5
SMDH 00132	813057.0	8194452.4	159.0	8	9	90	1722.3	3074.0	1277.7	143.4	434.9	102.1	294.9	187.0	304.5	329.5	291.9	358.5	274.9	17.0	97.9	73.7	29.1
SMDH 00132	813057.0	8194452.4	159.0	9	10	90	1623.3	3242.0	1015.6	157.4	846.0	102.5	296.1	187.7	305.7	330.9	427.8	500.0	407.3	20.6	130.9	107.9	29.1
SMDH 00132	813057.0	8194452.4	159.0	10	11	100	1413.8	2795.6	920.2	181.0	461.2	103.4	298.6	189.3	308.3	333.6	351.4	434.0	327.7	23.7	112.4	80.6	35.2
SMDH 00132	813057.0	8194452.4	159.0	11	12	100	2809.5	5546.1	1875.1	315.8	911.9	204.8	591.5	375.1	610.8	661.0	734.3	878.5	692.2	42.1	217.2	163.2	58.2
SMDH 00132	813057.0	8194452.4	159.0	12	13	100	1365.6	2669.8	928.4	118.3	522.4	92.3	266.5	169.0	275.2	297.8	254.3	309.2	240.4	13.9	77.8	58.5	24.5
SMDH 00133	812937.4	8194467.4	158.7	0	1	10	483.8	1027.8	299.1	40.7	258.0	36.1	104.1	66.0	107.5	116.4	132.2	150.4	126.8	5.4	38.8	36.3	9.2
SMDH 00133	812937.4	8194467.4	158.7	1	2	10	811.2	1524.8	578.1	56.7	292.7	50.1	144.6	91.7	149.3	161.6	147.0	173.5	140.8	6.2	49.1	43.1	12.2
SMDH 00133	812937.4	8194467.4	158.7	2	3	15	3214.8	3949.5	3002.6	66.9	169.4	59.6	172.0	109.1	177.6	192.3	226.3	256.9	218.4	7.9	69.1	67.4	15.3
SMDH 00133	812937.4	8194467.4	158.7	3	4	30	3666.4	5908.6	3213.8	110.0	150.1	204.1	589.5	373.7	608.6	658.7	1339.3	1387.7	1320.2	19.2	342.3	390.5	12.2
SMDH 00133	812937.4	8194467.4	158.7	4	5	50	1501.8	2968.6	1226.3	46.5	116.4	132.4	382.4	242.5	394.8	427.3	538.0	557.9	529.5	8.4	138.3	157.1	6.1
SMDH 00133	812937.4	8194467.4	158.7	5	6	70	1406.6	2249.8	1168.2	86.8	139.6	71.7	207.1	131.3	213.8	231.4	143.8	184.6	136.6	7.2	49.8	42.6	26.0
SMDH 00133	812937.4	8194467.4	158.7	6	7	70	1401.0	2186.2	1151.3	87.7	205.7	62.2	179.6	113.8	185.4	200.7	126.4	167.8	120.1	6.3	38.3	32.6	29.1
SMDH 00133	812937.4	8194467.4	158.7	7	8	70	1272.7	2150.6	1010.6	108.0	131.4	75.5	218.0	138.2	225.1	243.6	111.4	162.8	103.1	8.3	41.4	28.3	32.1

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00133	812937.4	8194467.4	158.7	8	9	80	1631.0	2950.5	1325.9	83.7	160.4	115.7	334.2	211.9	345.1	373.5	506.8	545.1	495.7	11.1	123.6	124.4	15.3
SMDH 00133	812937.4	8194467.4	158.7	9	10	100	2191.7	3404.5	1884.4	97.2	171.5	104.9	303.0	192.1	312.8	338.6	513.9	558.7	503.0	10.9	126.7	129.6	23.0
SMDH 00133	812937.4	8194467.4	158.7	10	11	90	1777.3	2881.4	1486.2	94.9	173.8	94.4	272.7	172.9	281.6	304.8	373.3	417.5	363.7	9.6	94.1	92.7	24.5
SMDH 00133	812937.4	8194467.4	158.7	11	12	90	1310.6	2124.6	1061.6	112.0	100.4	71.3	205.9	130.6	212.6	230.1	67.6	121.6	62.1	5.5	27.7	17.4	41.3
SMDH 00133	812937.4	8194467.4	158.7	12	13	100	1623.6	2393.4	1377.2	119.1	86.8	67.9	196.2	124.4	202.6	219.2	68.3	125.2	61.1	7.1	32.2	18.8	41.3
SMDH 00133	812937.4	8194467.4	158.7	13	14	100	1672.9	2559.9	1379.1	130.8	159.3	74.7	215.6	136.7	222.6	241.0	170.6	232.6	159.5	11.1	61.3	43.5	36.7
SMDH 00133	812937.4	8194467.4	158.7	14	15	80	2173.0	3047.7	1887.8	139.3	103.2	76.9	222.1	140.8	229.3	248.2	95.5	162.1	87.3	8.2	40.8	26.6	49.0
SMDH 00133	812937.4	8194467.4	158.7	15	16	90	1657.1	2415.3	1400.1	106.0	178.8	61.2	176.8	112.1	182.6	197.6	85.7	136.4	78.5	7.3	37.5	23.8	33.7
SMDH 00133	812937.4	8194467.4	158.7	16	17	70	873.0	1804.5	538.4	88.9	437.9	62.0	179.0	113.5	184.8	200.0	242.2	282.8	229.5	12.7	76.4	60.3	13.8
SMDH 00134	812823.4	8194467.0	158.8	0	1	40	1825.6	4012.2	962.3	174.9	1434.4	120.8	348.8	221.2	360.1	389.8	586.8	666.7	561.3	25.5	170.4	143.3	24.5
SMDH 00134	812823.4	8194467.0	158.8	1	2	80	1401.4	3293.7	799.0	167.2	657.6	140.0	404.3	256.3	417.4	451.8	413.5	490.3	392.2	21.4	127.1	101.9	32.1
SMDH 00134	812823.4	8194467.0	158.8	2	3	30	2770.7	3946.0	2432.6	88.6	332.7	91.6	264.4	167.7	273.0	295.5	255.3	296.6	245.6	9.7	73.9	64.4	19.9
SMDH 00134	812823.4	8194467.0	158.8	3	4	40	2273.2	3228.3	1948.0	79.8	425.6	65.0	187.6	119.0	193.7	209.7	181.0	218.3	172.5	8.6	55.5	44.6	18.4
SMDH 00134	812823.4	8194467.0	158.8	4	5	90	1830.6	2753.8	1497.6	84.8	451.3	60.4	174.4	110.6	180.0	194.8	205.4	245.0	196.0	9.4	64.0	51.9	18.4
SMDH 00134	812823.4	8194467.0	158.8	5	6	95	1448.6	2930.8	979.0	119.7	548.1	107.7	310.9	197.1	321.0	347.4	306.4	362.7	294.0	12.4	91.7	76.9	27.6
SMDH 00134	812823.4	8194467.0	158.8	6	7	98	1497.6	2901.6	1074.2	102.2	482.2	104.2	301.0	190.8	310.8	336.3	227.7	275.6	217.3	10.4	69.3	56.0	24.5
SMDH 00135	812702.9	8194469.2	158.6	0	1	45	1191.4	3254.2	617.2	137.6	579.8	160.9	464.8	294.7	479.9	519.4	299.8	363.3	282.9	17.0	95.5	73.0	27.6
SMDH 00135	812702.9	8194469.2	158.6	1	2	50	1177.6	2910.6	644.1	133.9	606.4	128.0	369.5	234.3	381.5	412.9	265.7	329.0	251.3	14.4	89.5	66.5	27.6
SMDH 00135	812702.9	8194469.2	158.6	2	3	50	1004.9	2490.4	570.7	112.1	445.2	114.2	329.8	209.1	340.6	368.6	212.0	264.3	199.5	12.6	70.8	52.3	24.5
SMDH 00135	812702.9	8194469.2	158.6	3	4	80	2520.1	4033.6	2014.1	104.1	721.5	100.1	289.0	183.3	298.4	323.0	294.9	343.1	282.9	12.0	84.1	73.1	23.0
SMDH 00135	812702.9	8194469.2	158.6	4	5	70	2505.8	4009.6	2019.6	126.7	572.3	108.2	312.6	198.2	322.7	349.3	362.3	420.6	348.0	14.3	98.1	88.2	30.6
SMDH 00135	812702.9	8194469.2	158.6	5	6	85	1886.1	3587.8	1393.1	121.6	519.2	130.3	376.2	238.5	388.5	420.4	292.2	348.1	277.1	15.1	87.7	69.6	24.5
SMDH 00135	812702.9	8194469.2	158.6	6	7	80	1886.1	3534.6	1385.3	96.8	663.4	116.5	336.3	213.2	347.3	375.8	337.6	381.8	326.6	11.0	86.5	83.4	24.5
SMDH 00135	812702.9	8194469.2	158.6	7	8	90	1379.3	2826.2	940.0	67.4	645.5	98.4	284.1	180.1	293.3	317.5	242.0	272.9	234.5	7.5	61.1	57.9	16.8
SMDH 00135	812702.9	8194469.2	158.6	8	9	90	1882.8	3451.1	1410.1	98.0	595.9	112.9	326.2	206.8	336.8	364.5	333.0	377.7	320.8	12.2	91.0	83.9	21.4
SMDH 00135	812702.9	8194469.2	158.6	9	10	90																	
SMDH 00135	812702.9	8194469.2	158.6	10	11	95	1237.6	2614.7	802.7	100.7	542.3	98.0	283.1	179.5	292.3	316.3	296.5	343.7	285.0	11.4	86.1	73.8	19.9
SMDH 00135	812702.9	8194469.2	158.6	11	12	95	1512.8	3106.8	929.0	151.5	792.8	103.4	298.6	189.4	308.4	333.7	429.6	498.8	408.8	20.8	128.8	107.0	26.0
SMDH 00135	812702.9	8194469.2	158.6	12	13	85	1355.5	2934.5	899.3	85.5	576.1	115.2	332.6	210.9	343.4	371.6	355.2	395.1	346.0	9.2	89.5	88.0	19.9
SMDH 00136	812578.8	8194465.5	158.6	0	1	30	887.1	1953.5	507.2	82.3	560.5	67.4	194.5	123.3	200.8	217.4	260.5	298.6	250.2	10.3	72.3	62.1	15.3
SMDH 00136	812578.8	8194465.5	158.6	1	2	60	976.4	2106.9	610.3	95.0	433.4	81.2	234.4	148.6	242.0	262.0	195.9	240.3	185.6	10.3	62.0	48.3	21.4
SMDH 00136	812578.8	8194465.5	158.6	2	3	52	1140.8	2388.6	722.5	114.6	494.4	88.6	255.9	162.3	264.3	286.0	232.7	286.5	220.1	12.6	76.6	58.1	24.5
SMDH 00136	812578.8	8194465.5	158.6	3	4	60	1302.2	3187.9	719.7	141.4	682.6	137.8	398.1	252.4	411.0	444.8	372.9	438.9	356.6	16.3	113.2	94.2	29.1
SMDH 00136	812578.8	8194465.5	158.6	4	5	50	1732.1	4057.8	866.7	158.2	1434.6	134.0	386.9	245.3	399.5	432.4	468.9	541.4	448.2	20.7	136.3	115.8	29.1
SMDH 00136	812578.8	8194465.5	158.6	5	6	50	1840.8	4198.2	944.4	155.2	1542.7	130.5	376.7	238.9	389.0	421.0	546.5	617.6	526.3	20.1	150.4	135.6	29.1
SMDH 00136	812578.8	8194465.5	158.6	6	7	70	2566.9	5341.4	1367.0	175.6	2368.1	120.0	346.4	219.6	357.7	387.1	832.7	913.5	808.7	24.0	216.1	206.0	27.6
SMDH 00136	812578.8	8194465.5	158.6	7	8	75	3294.3	6310.5	1978.8	201.9	2574.1	130.4	376.6	238.8	388.9	420.9	1178.9	1270.8	1148.5	30.5	298.0	293.3	26.0
SMDH 00136	812578.8	8194465.5	158.6	8	9	75	3236.2	5004.9	2563.4	183.1	916.3	112.5	325.0	206.0	335.5	363.1	1301.0	1384.3	1272.7	28.3	316.2	322.6	21.4
SMDH 00136	812578.8	8194465.5	158.6	9	10	70	1716.1	3193.1	1297.9	84.1	493.4	110.5	319.0	202.3	329.4	356.5	397.0	435.9	387.3	9.7	98.6	97.1	18.4
SMDH 00136	812578.8	8194465.5	158.6	10	11	98	1364.7	2623.2	992.2	79.3	451.3	92.3	266.4	168.9	275.1	297.7	309.8	346.5	300.5	9.3	80.8	75.4	16.8
SMDH 00136	812578.8	8194465.5	158.6	11	12	90	1345.3	2570.1	1003.7	61.1	421.1	90.9	262.5	166.4	271.0	293.3	230.1	258.8	224.0	6.1	58.9	55.8	15.3
SMDH 00136	812578.8	8194465.5	158.6	12	13	70	165.6	292.8	106.1	7.5	126.6	4.4	12.7	8.1	13.1	14.2	29.6	32.1	27.6	2.0	7.7	8.1	1.5
SMDH 00136	812578.8	8194465.5	158.6	13	14	98	1391.4	3056.7	906.0	92.3	615.4	121.0	349.4	221.5	360.7	390.4	330.1	373.5	322.3	7.7	78.8	79.3	27.6
SMDH 00136	812578.8	8194465.5	158.6	14	15	98	1520.3	3303.4	974.7	147.3	576.5	134.6	388.5	246.4	401.2	434.2	432.2	500.5	416.6	15.6	117.9	107.6	36.7
SMDH 00136	812578.8	8194465.5	158.6	15	16	98	1370.9	2987.6	908.4	126.7	430.9	127.6	368.4	233.6	380.4	411.7	353.6	413.0	341.1	12.5	96.9	86.5	32.1
SMDH 00136	812578.8	8194465.5	158.6	16	16.5	85	1367.6	3038.0	840.3	145.5	572.3	124.1	358.3	227.2	370.0	400.4	365.8	433.9	350.4	15.4	107.2	90.2	33.7
SMDH 00136	812578.8	8194465.5	158.6	16.5	17	85	1367.6	3038.0	840.3	145.5	572.3	124.1	358.3	227.2	370.0	400.4	365.8	433.9	350.4	15.4	107.2	90.2	33.7
SMDH 00137	814552.3	8194583.0	168.5	0	1	15	1247.3	3643.0	611.1	107.0	753.5	182.1	525.7	333.3	542.8	587.5	359.8	409.4	345.5	14.3	108.3	92.2	16.8
SMDH 00137	814552.3	8194583.0	168.5	1	2	30	1179.2	3682.5	554.1	110.5	647.6	198.7	573.9	363.9	592.5	641.3	320.0	371.8	307.6	12.5	96.1	81.2	23.0
SMDH 00137	814552.3	8194583.0	168.5	2	3	50	2022.7	4947.1	1131.8	186.9	1131.1	209.4	604.7	383.4	624.3	675.7	704.1	790.5	683.0	21.1	178.9	168.8	42.9
SMDH 00137	814552.3	8194583.0	168.5	3	4	60	1805.9	3404.8	1281.2	136.5	630.0	113.8	328.6	208.3	339.2	367.2	323.3	388.2	311.1	12.2	93.5	78.7	35.2
SMDH 00137	814552.3	8194583.0	168.5	4	5	90	1791.2	3431.6	1271.3	158.1	514.0	124.8	360.3	228.5	372.0	402.6	263.5	338.5	249.0	14.5	87.2	63.9	39.8
SMDH 00137	814552.3	8194583.0	168.5	5	6	90	1877.4	3530.6	1306.1	166.4	664.3	116.9	337.4	214.0	348.4	377.1	266.6	345.4	250.0	16.6	92.9	63.2	38.3
SMDH 00137	814552.3	8194583.0	168.5	6	7	75	1904.1	3563.7	1399.8	138.1	520.4	126.2	364.5	231.1	376.3	407.3	328.3	393.3	315.1	13.3	95.2	81.4	35.2
SMDH 00137	814552.3	8194583.0	168.5	7	8	98	1788.7	3327.1	1246.7	166.8	612.4	109.1	315.0	199.8	325.3	352.1	282.4	361.2	266.0	16.4	95.0	68.1	39.8
SMDH 00137	814552.3	8194583.0	168.5	8	9	98	1866.6	3666.6	1316.9	145.0	591.8	135.2	390.5	247.6	403.2	436.3	282.3	350.8	269.1	13.2	86.6	68.8	38.3
SMDH 00137	814552.3	8194583.0	168.5	9	10	95	1797.6	3416.7	1291.3	123.0	602.3	117.4	339.0	214.9	350.0	378.8	302.6	361.0	292.1	10.5	84.7	73.6	33.7
SMDH 00137	814552.3	8194583.0	168.5	10	11	95	1999.1	3644.6	1420.6	175.5	660.9	116.3	335.9	213.0	346.8	375.4	360.3	441.7	340.5	19.8	113.1	88.2	39.8
SMDH 00137	814552.3	8194583.0	168.5	11	12	95	1664.6	3129.3	1178.4	150.2	506.1	108.5	313.4	198.7	323.6	350.3	265.5	336.7	250.4	15.1	90.7	64.7	33.7
SMDH 00137	814552.3	8194583.0	168.5	12	12.5	85	1872.0	3514.0	1355.6	142.9	555.7	122.4	353.4	224.1	364.9	395.0	338.0	405.5	325.2	12.8	95.6	82.2	38.3
SMDH 00137	814552.3	8194583.0	168.5	12.5	13	85	1872.0	3514.0	1355.6	142.9	555.7	122.4	353.4	224.1	364.9	395.0	338.0	405.5	325.2	12.8	95.6	82.2	38.3
SMDH 00138	814441.4	8194592.1	169.4	0	1	40	1221.5	2265.2	898.7	36.4	531.4	67.0	193.4	122.6	199.7	216.1	69.6	86.5	67.2	2.4	17.2	16.1	13.8
SMDH 00138	814441.4	8194592.1	169.4	1	2	20	1145.6	2990.3	554.1	95.3	902.5	120.6	348.2	220.8	359.6	389.1	351.3	395.4	339.5	11.8	93.7	83.8	18.4
SMDH 00138	814441.4	8194592.1	169.4	2	3	60	1533.9	3591.0	834.8	171.8	911.8	140.2	404.9	256.8	418.1	452.5	513.9	593.9	492.2	21.7	158.1	131.4	29.1
SMDH 00138	814441.4	8194592.1	169.4	3	4	60	3210.4	4447.6	2798.7	115.7	471.9	89.0	257.0	162.9	265.3	287.2	280.7	335.1	268.1	12.6	86.4	69.7	24.5
SMDH 00138	814441.4	8194592.1	169.4	4	5	70	2501.5	3807.3	2051.7	129.1	528.0	92.1	265.9	168.6	274.6	297.2	284.1	344.5	268.4	15.8	96.1	71.9	23.0
SMDH 00138	814441.4	8194592.1	169.4	5	6	85	1830.3	3388.3	1302.1	144.8	632.6	109.7	316.9	200.9	327.2	354.1	399.7	467.3	382.4	17.3	119.5	99.0	27.6
SMDH 00138	814441.4	8194592.1	169.4	6	7	80	1688.6	3168.6	1205.4	137.8	532.8	108.4	313.0	198.4	323.1	349.7	329.1	393.9	313.2	16.0	105.0	81.9	26.0
SMDH 00138	814441.4	8194592.1	169.4	7	8	85	1702.9	3322.5	1136.9	176.8	623.6	116.1	335.4	212.6	346.3	374.8	340.3	422.9	318.8	21.5	118.4	83.5	32.1
SMDH 00138	814441.4	8194592.1	169.4	8	9	85	1683.1	3336.3	1153.1	139.4	612.5	120.0	346.6	219.7	357.8	387.3	303.2	368.3	286.4	16.8	99.4	74.1	26.0
SMDH 00138	814441.4	8194592.1	169.4	9	10	50	1535.0	2868.2	1104.7	138.7	408.4	102.0	294.5	186.7	304.1	329.1	276.1	341.0	259.6	16.5	94.1	67.8	26.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00138	814441.4	8194592.1	169.4	10	11	85	1723.3	3331.7	1181.2	174.2	551.8	119.4	344.9	218.7	356.1	385.4	348.1	429.9	327.7	20.5	119.3	85.6	32.1
SMDH 00138	814441.4	8194592.1	169.4	11	12	85	1440.2	2822.5	969.1	132.5	555.3	97.7	282.2	178.9	291.3	315.3	300.4	362.3	284.4	16.0	97.7	73.6	24.5
SMDH 00138	814441.4	8194592.1	169.4	12	13	75	1721.6	2655.1	1260.2	153.8	662.1	48.6	140.2	88.9	144.8	156.7	421.9	492.8	400.7	21.3	133.6	106.2	23.0
SMDH 00138	814441.4	8194592.1	169.4	13	14	85	1521.9	2966.2	1058.5	133.7	492.9	107.4	310.2	196.7	320.2	346.6	325.4	387.8	309.2	16.2	103.9	81.3	24.5
SMDH 00138	814441.4	8194592.1	169.4	14	15	85	1655.9	3224.4	1123.3	171.5	546.9	115.9	334.8	212.3	345.7	374.1	346.5	427.0	326.4	20.1	115.9	83.8	32.1
SMDH 00138	814441.4	8194592.1	169.4	15	16	90	1653.8	3873.6	1078.5	139.1	501.1	180.7	521.7	330.8	538.7	583.0	323.0	387.3	305.0	17.9	105.3	80.4	24.5
SMDH 00138	814441.4	8194592.1	169.4	16	17	80	1639.5	3201.8	1115.1	157.9	569.0	114.0	329.2	208.7	339.9	367.9	367.9	441.4	348.1	19.8	117.8	89.3	27.6
SMDH 00139	814316.8	8194579.5	170.9	0	1	20	695.0	1896.9	371.7	52.0	398.9	90.1	260.1	164.9	268.6	290.7	198.1	222.1	192.3	5.8	53.4	51.2	12.2
SMDH 00139	814316.8	8194579.5	170.9	1	2	80	1079.8	2946.0	559.1	113.5	568.9	142.9	412.7	261.7	426.1	461.2	320.9	374.0	309.8	11.1	87.4	79.3	29.1
SMDH 00139	814316.8	8194579.5	170.9	2	3	50	1730.2	3308.5	1238.4	75.6	742.2	105.0	303.2	192.2	313.1	338.8	542.1	577.0	533.8	8.4	117.2	124.6	18.4
SMDH 00139	814316.8	8194579.5	170.9	3	4	80	1533.7	3072.0	1003.8	110.9	771.8	99.4	287.0	182.0	296.4	320.8	606.6	657.5	592.4	14.2	154.3	155.1	21.4
SMDH 00139	814316.8	8194579.5	170.9	4	5	85	2023.3	3564.3	1539.3	98.7	647.9	107.2	309.5	196.3	319.6	345.9	494.0	539.5	481.9	12.1	125.5	123.7	19.9
SMDH 00139	814316.8	8194579.5	170.9	5	6	85	1649.8	3267.6	1124.4	92.4	783.6	106.2	306.8	194.5	316.8	342.9	311.8	354.8	301.3	10.5	85.7	77.0	19.9
SMDH 00139	814316.8	8194579.5	170.9	6	7	90	955.1	1971.3	654.7	25.3	503.4	66.1	190.8	120.9	197.0	213.2	40.7	52.3	38.7	2.0	9.9	8.3	9.2
SMDH 00139	814316.8	8194579.5	170.9	7	8	80	1136.1	1975.5	903.7	22.0	354.8	58.3	168.3	106.7	173.7	188.0	38.9	48.8	36.9	2.0	10.2	8.2	7.7
SMDH 00140	814197.5	8194578.3	173.1	0	1	50	2855.8	5757.1	1660.3	149.3	2385.7	131.0	378.1	239.8	390.4	422.6	883.1	951.5	861.7	21.5	218.5	217.4	21.4
SMDH 00140	814197.5	8194578.3	173.1	1	2	80	1588.3	3657.3	952.2	120.3	864.4	144.2	416.5	264.1	430.1	465.5	457.6	513.8	444.2	13.4	118.4	109.4	26.0
SMDH 00140	814197.5	8194578.3	173.1	2	3	60	1248.7	2701.9	756.2	100.4	715.5	94.7	273.5	173.4	282.4	305.7	434.0	480.5	423.2	10.8	108.8	108.6	24.5
SMDH 00140	814197.5	8194578.3	173.1	3	4	60	2725.4	4142.7	2234.2	126.9	632.1	96.4	278.3	176.5	287.4	311.0	441.9	502.0	427.0	14.9	128.3	111.6	21.4
SMDH 00140	814197.5	8194578.3	173.1	4	5	90	1917.0	3411.9	1444.3	104.1	609.8	105.1	303.5	192.5	313.4	339.2	444.8	493.4	434.2	10.6	113.9	111.1	26.0
SMDH 00140	814197.5	8194578.3	173.1	5	6	98	1473.9	2432.6	1194.8	58.0	335.3	70.8	204.4	129.6	211.1	228.4	206.5	233.4	200.2	6.3	55.2	51.3	13.8
SMDH 00140	814197.5	8194578.3	173.1	6	7	85	1391.5	2661.3	955.8	126.2	505.0	90.1	260.1	164.9	268.6	290.7	338.4	397.1	321.4	17.0	110.1	86.8	18.4
SMDH 00140	814197.5	8194578.3	173.1	7	8	95	1736.3	3384.7	1111.5	160.7	881.7	103.2	298.0	189.0	307.7	333.0	437.7	511.8	417.9	19.8	133.0	110.9	32.1
SMDH 00140	814197.5	8194578.3	173.1	8	9	90	2124.5	3498.4	1649.2	116.5	632.9	92.2	266.3	168.8	274.9	297.5	355.0	409.1	341.0	14.0	102.0	87.0	23.0
SMDH 00140	814197.5	8194578.3	173.1	9	10	70	2332.1	3872.4	1844.4	119.4	586.5	110.8	320.1	202.9	330.5	357.7	319.8	375.3	306.3	13.5	97.4	81.9	26.0
SMDH 00140	814197.5	8194578.3	173.1	10	11	90	1582.5	3018.0	1097.6	110.9	658.2	96.5	278.7	176.7	287.8	311.5	475.2	526.6	462.1	13.1	129.3	121.6	23.0
SMDH 00140	814197.5	8194578.3	173.1	11	12	90	1189.4	2251.9	873.8	67.3	383.1	77.8	224.6	142.4	231.9	251.0	241.6	272.6	232.9	8.7	68.8	61.6	12.2
SMDH 00140	814197.5	8194578.3	173.1	12	13	95	1532.5	3098.9	1087.8	83.4	548.1	115.7	334.0	211.8	344.9	373.2	402.8	441.2	393.0	9.8	99.9	100.3	18.4
SMDH 00140	814197.5	8194578.3	173.1	13	14	90	1576.9	3170.9	1094.2	120.9	536.7	119.0	343.6	217.9	354.8	384.0	437.6	493.4	422.9	14.8	121.1	114.3	24.5
SMDH 00141	814077.2	8194586.8	173.8	0	1	40	1632.1	4088.4	886.6	92.3	1175.1	162.2	468.4	297.0	483.6	523.4	567.9	610.0	553.8	14.1	149.3	145.5	10.7
SMDH 00141	814077.2	8194586.8	173.8	1	2	60	1198.3	2687.3	686.6	125.0	678.6	100.4	289.8	183.8	299.3	323.9	410.2	468.7	395.2	15.0	120.3	104.4	23.0
SMDH 00141	814077.2	8194586.8	173.8	2	3	60	1477.9	3102.3	908.3	151.0	728.2	110.2	318.3	201.8	328.7	355.7	471.4	542.2	452.5	18.9	144.6	121.7	24.5
SMDH 00141	814077.2	8194586.8	173.8	3	4	75	1397.6	2705.7	938.2	123.8	581.3	89.1	257.2	163.1	265.6	287.4	410.6	468.4	395.7	14.9	120.0	104.6	23.0
SMDH 00141	814077.2	8194586.8	173.8	4	5	90	1926.8	3353.2	1428.8	89.5	788.4	87.7	253.4	160.7	261.6	283.1	497.2	538.7	487.5	9.7	118.8	123.3	21.4
SMDH 00141	814077.2	8194586.8	173.8	5	6	90	1798.6	3366.0	1304.3	112.9	620.8	111.3	321.5	203.9	332.0	359.3	501.2	553.6	487.8	13.4	130.1	124.9	23.0
SMDH 00141	814077.2	8194586.8	173.8	6	7	98	1783.6	3361.2	1218.0	123.1	838.1	99.1	286.2	181.4	295.5	319.8	562.9	620.1	551.0	11.9	122.3	128.1	33.7
SMDH 00141	814077.2	8194586.8	173.8	7	8	95	1454.7	2401.5	1185.8	38.0	376.9	67.1	193.9	122.9	200.2	216.7	164.8	182.6	161.8	3.0	38.0	38.9	12.2
SMDH 00141	814077.2	8194586.8	173.8	8	9	85	1946.5	3755.0	1327.5	159.8	785.8	124.2	358.8	227.5	370.5	400.9	551.8	625.8	534.8	17.0	134.4	129.1	39.8
SMDH 00141	814077.2	8194586.8	173.8	9	10	90	1985.4	3406.3	1515.3	100.5	649.5	95.7	276.3	175.2	285.2	308.7	390.6	437.5	378.3	12.3	110.0	100.7	18.4
SMDH 00141	814077.2	8194586.8	173.8	10	11	80	1590.6	3054.5	1104.8	134.3	562.7	105.0	303.3	192.3	313.1	338.9	447.1	509.9	430.4	16.7	132.0	112.9	23.0
SMDH 00141	814077.2	8194586.8	173.8	11	12	80	1550.2	2928.6	1064.3	155.6	527.4	99.0	286.0	181.3	295.3	319.6	450.0	522.5	429.3	20.7	142.8	114.1	23.0
SMDH 00141	814077.2	8194586.8	173.8	12	13	70	1701.8	3078.4	1238.4	128.0	546.5	97.7	282.2	178.9	291.3	315.3	383.6	443.2	366.4	17.1	120.2	96.5	18.4
SMDH 00142	813958.6	8194581.4	173.3	0	1	15	944.4	2315.6	451.5	70.4	866.1	77.8	224.6	142.4	231.9	251.0	266.8	299.3	258.5	8.4	70.2	66.6	15.3
SMDH 00142	813958.6	8194581.4	173.3	1	2	40	1162.4	2661.6	610.7	105.0	891.4	88.4	255.3	161.9	263.6	285.3	372.4	421.1	359.4	12.9	103.1	91.8	19.9
SMDH 00142	813958.6	8194581.4	173.3	2	3	40	955.4	2409.6	501.8	91.0	607.4	101.4	292.8	185.7	302.3	327.2	288.9	331.6	278.2	10.8	87.9	74.8	16.8
SMDH 00142	813958.6	8194581.4	173.3	3	4	70	1833.8	3422.0	1290.3	113.8	786.4	103.3	298.2	189.1	307.9	333.2	419.5	472.1	404.8	14.7	118.9	106.9	19.9
SMDH 00142	813958.6	8194581.4	173.3	4	5	85	1918.0	3374.7	1495.5	87.2	507.6	107.7	311.0	197.2	321.1	347.5	418.9	458.9	408.2	10.6	107.6	106.8	18.4
SMDH 00142	813958.6	8194581.4	173.3	5	6	80	1799.2	3178.5	1342.7	97.7	630.9	92.8	268.1	170.0	276.8	299.6	364.5	409.8	351.9	12.6	104.7	94.5	16.8
SMDH 00142	813958.6	8194581.4	173.3	6	7	40	2051.5	4048.5	1433.8	110.5	868.3	137.2	396.1	251.1	408.9	442.6	487.3	538.5	474.2	13.1	128.4	124.4	23.0
SMDH 00142	813958.6	8194581.4	173.3	7	8	60	1564.5	2745.4	1192.1	71.0	519.1	80.8	233.2	147.9	240.8	260.6	487.7	520.4	479.7	8.0	111.6	119.3	16.8
SMDH 00142	813958.6	8194581.4	173.3	8	9	80	1786.1	3434.8	1226.4	127.8	764.4	110.3	318.6	202.0	329.0	356.1	504.0	563.4	488.9	15.1	135.5	126.8	26.0
SMDH 00142	813958.6	8194581.4	173.3	9	10	75	1671.1	3301.4	1143.9	117.8	691.8	113.0	326.3	206.9	336.9	364.7	487.3	541.9	473.0	14.3	128.5	120.7	23.0
SMDH 00142	813958.6	8194581.4	173.3	10	11	60	1683.7	3128.3	1196.9	119.7	629.1	99.2	286.3	181.5	295.6	320.0	433.6	488.9	418.7	14.9	124.2	113.5	23.0
SMDH 00142	813958.6	8194581.4	173.3	11	12	98	1237.6	2265.8	844.2	92.4	591.9	61.8	178.5	113.2	184.3	199.5	341.7	385.1	330.7	11.0	96.1	85.8	16.8
SMDH 00142	813958.6	8194581.4	173.3	12	13	75	1801.8	3215.9	1282.0	128.7	730.9	90.1	260.1	164.9	268.6	290.7	518.0	578.1	502.2	15.8	140.7	128.6	23.0
SMDH 00142	813958.6	8194581.4	173.3	13	14	85	1746.3	3175.3	1229.2	156.8	612.0	98.7	285.1	180.7	294.3	318.5	499.9	573.0	480.8	19.1	145.3	125.6	29.1
SMDH 00142	813958.6	8194581.4	173.3	14	15	90	1600.9	3131.1	1077.2	119.7	721.1	101.7	293.7	186.2	303.2	328.2	470.3	525.7	455.5	14.8	127.8	118.2	23.0
SMDH 00142	813958.6	8194581.4	173.3	15	16	80	1448.9	2841.5	968.8	133.2	580.9	97.1	280.5	177.8	289.6	313.4	448.0	510.1	433.1	15.0	113.9	105.2	29.1
SMDH 00142	813958.6	8194581.4	173.3	16	17	80	1480.1	2883.1	1015.6	114.4	587.7	97.7	282.2	178.9	291.3	315.3	452.1	505.2	438.1	14.1	123.8	114.5	21.4
SMDH 00142	813958.6	8194581.4	173.3	17	18	90	1434.6	2650.6	951.8	119.4	727.1	71.5	206.3	130.8	213.1	230.6	425.2	480.7	410.8	14.4	120.2	108.0	23.0
SMDH 00143	813839.3	8194587.4	170.9	0	1	20	1466.8	2781.2	928.8	87.2	996.9	64.4	186.0	118.0	192.1	207.9	568.3	607.6	554.9	13.4	141.5	143.6	12.2
SMDH 00143	813839.3	8194587.4	170.9	1	2	60	1807.9	3580.0	1091.2	144.5	1214.5	94.7	273.5	173.4	282.4	305.7	717.2	783.6	698.2	19.0	183.9	179.3	26.0
SMDH 00143	813839.3	8194587.4	170.9	2	3	80	1536.1	3181.6	1061.0	105.9	538.3	123.8	357.4	226.6	369.1	399.4	537.4	587.2	525.6	11.8	139.7	138.5	21.4
SMDH 00143	813839.3	8194587.4	170.9	3	4	80	1544.8	2647.7	1163.7	120.2	409.7	80.0	231.0	146.5	238.5	258.1	509.9	565.6	493.7	16.2	142.8	130.3	18.4
SMDH 00143	813839.3	8194587.4	170.9	4	5	90	1773.4	3556.5	1213.1	145.8	636.1	130.9	378.1	239.7	390.4	422.5	558.5	624.5	537.8	20.7	158.5	144.8	24.5
SMDH 00143	813839.3	8194587.4	170.9	5	6	85	1996.9	3563.4	1461.6	144.1	657.1	109.0	314.9	199.7	325.1	351.9	635.8	702.0	616.6	19.3	175.7	166.2	24.5
SMDH 00143	813839.3	8194587.4	170.9	6	7	95	1936.7	3545.2	1422.4	80.2	792.2	104.8	302.7	191.9	312.6	338.3	733.6	770.2	723.5	10.1	164.9	180.8	16.8
SMDH 00143	813839.3	8194587.4	170.9	7	8	90	3478.7	4917.1	2986.3	133.0	604.3	100.1	289.0	183.2	298.4	322.9	632.4	693.6	616.2	16.1	142.7	142.2	27.6
SMDH 00143	813839.3	8194587.4	170.9	8	9	90	1913.8	3513.1	1351.1	154.8	701.7	109.5	316.1	200.4	326.4	353.2	526.0	597.5	506.1	19.9	144.2	126.7	27.6
SMDH 00143	813839.3	8194587.4	170.9	9	10	90	2301.5	3491.4	1935.4	55.5	547.8	79.9	230.7	146.3	238.2	257.8	276.3	302.6	271.9	4.4	56.6	60.9	16.8
SMDH 00143	813839.3	8194587.4	170.9	10	11	95	2027.2	3966.4	1413.0	70.1	1030.8	121.8	351.7	223.0	363.1	393.0	399.2	432.3	394.1	5.1	77.4	87.7	23.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00143	813839.3	8194587.4	170.9	11	12	95	1966.3	3905.5	1365.3	81.4	941.9	127.2	367.3	232.9	379.2	410.4	625.0	662.8	617.3	7.7	123.0	141.9	23.0
SMDH 00143	813839.3	8194587.4	170.9	12	13	75	2428.9	4259.9	1824.2	97.1	950.8	116.4	336.0	213.0	346.9	375.5	794.6	839.5	785.2	9.4	156.2	182.9	27.6
SMDH 00144	813718.1	8194577.6	169.1	0	1	20	896.6	1960.2	486.5	75.8	695.5	58.9	170.0	107.8	175.6	190.0	284.7	319.0	274.1	10.5	78.0	71.5	13.8
SMDH 00144	813718.1	8194577.6	169.1	1	2	80	1332.4	2850.9	766.2	120.6	878.4	91.0	262.9	166.7	271.4	293.8	471.3	527.2	455.6	15.7	129.4	115.7	19.9
SMDH 00144	813718.1	8194577.6	169.1	2	3	75	1698.1	3250.0	1160.6	144.8	669.8	106.9	308.6	195.7	318.7	344.9	471.3	537.9	450.7	20.6	142.6	118.4	19.9
SMDH 00144	813718.1	8194577.6	169.1	3	4	75	1762.6	3120.8	1288.0	99.1	701.4	86.6	249.9	158.5	258.1	279.3	439.4	484.6	426.2	13.2	113.5	107.5	18.4
SMDH 00144	813718.1	8194577.6	169.1	4	5	85	2386.5	4117.3	1827.0	130.0	715.7	121.1	349.8	221.8	361.1	390.8	541.5	601.2	524.3	17.2	146.8	136.2	23.0
SMDH 00144	813718.1	8194577.6	169.1	5	6	95	1950.9	3734.6	1337.7	137.4	858.5	117.5	339.2	215.1	350.2	379.0	512.5	575.8	494.6	17.9	140.6	126.5	24.5
SMDH 00144	813718.1	8194577.6	169.1	6	7	75	1541.6	2895.4	1105.7	98.1	566.8	94.3	272.3	172.7	281.2	304.3	452.5	497.2	439.9	12.6	117.1	114.5	19.9
SMDH 00144	813718.1	8194577.6	169.1	7	8	80	1156.9	2012.6	907.7	38.4	348.3	60.2	173.9	110.2	179.5	194.3	157.4	175.1	153.5	3.9	38.3	37.8	10.7
SMDH 00145	813597.3	8194581.3	167.3	0	1	10	1289.0	2766.1	749.0	84.9	932.5	83.8	242.0	153.5	249.9	270.5	435.2	474.4	425.2	10.1	109.6	110.8	18.4
SMDH 00145	813597.3	8194581.3	167.3	1	2	40	1558.8	3207.1	942.6	160.4	851.7	105.0	303.2	192.2	313.1	338.8	588.4	662.2	567.1	21.3	168.8	151.4	27.6
SMDH 00145	813597.3	8194581.3	167.3	2	3	50	2476.8	3855.7	1920.1	158.6	773.3	84.1	243.0	154.1	250.9	271.5	576.6	649.2	555.1	21.5	163.1	146.2	27.6
SMDH 00145	813597.3	8194581.3	167.3	3	4	70	1997.6	3239.4	1513.6	153.5	594.8	82.0	236.7	150.1	244.4	264.5	603.7	672.4	580.5	23.2	167.2	152.3	24.5
SMDH 00145	813597.3	8194581.3	167.3	4	5	90	2812.8	4155.9	2330.1	121.7	655.9	87.9	253.8	160.9	262.0	283.6	688.3	743.6	671.9	16.4	169.9	172.5	23.0
SMDH 00145	813597.3	8194581.3	167.3	5	6	85	2195.8	3660.6	1649.7	109.3	872.2	86.3	249.2	158.0	257.3	278.5	701.6	751.8	687.7	13.8	170.9	177.8	21.4
SMDH 00145	813597.3	8194581.3	167.3	6	7	70	2093.0	3501.7	1641.4	66.3	712.5	90.7	261.9	166.0	270.4	292.6	698.7	728.7	690.5	8.2	150.2	169.9	15.3
SMDH 00145	813597.3	8194581.3	167.3	7	8	75	1503.4	2464.3	1174.4	59.8	508.9	60.5	174.6	110.7	180.3	195.1	346.9	374.4	339.9	7.0	82.6	84.6	13.8
SMDH 00145	813597.3	8194581.3	167.3	8	9	90	1879.1	3516.2	1342.2	131.9	672.5	114.8	331.6	210.3	342.4	370.6	554.7	614.5	537.1	17.6	146.0	139.1	26.0
SMDH 00145	813597.3	8194581.3	167.3	9	10	85	1998.7	3754.9	1423.1	135.3	742.3	121.9	352.1	223.2	363.5	393.4	582.5	643.1	562.5	20.0	152.7	143.8	23.0
SMDH 00145	813597.3	8194581.3	167.3	10	11	90	2054.8	3574.6	1512.8	148.5	688.0	102.7	296.6	188.1	306.3	331.5	716.5	782.8	694.1	22.4	184.3	178.6	24.5
SMDH 00145	813597.3	8194581.3	167.3	11	12	90	2101.1	3687.7	1557.1	105.0	820.4	101.0	291.8	185.0	301.3	326.0	595.8	643.8	582.1	13.7	146.0	147.8	19.9
SMDH 00145	813597.3	8194581.3	167.3	12	13	95	1833.2	3520.4	1313.1	111.4	661.6	120.3	347.3	220.2	358.6	388.1	486.2	538.1	474.2	12.0	121.2	119.1	26.0
SMDH 00145	813597.3	8194581.3	167.3	13	14	90	1787.8	3556.1	1208.8	139.5	733.8	123.6	356.9	226.3	368.5	398.8	475.5	539.1	456.9	18.5	131.5	117.2	26.0
SMDH 00145	813597.3	8194581.3	167.3	14	15	98	1496.1	3151.7	923.2	123.3	825.5	107.3	309.8	196.5	319.9	346.2	208.8	266.5	195.9	12.8	69.0	49.4	29.1
SMDH 00145	813597.3	8194581.3	167.3	15	16	90	1400.9	3012.3	962.4	50.0	625.3	115.2	332.8	211.0	343.6	371.9	83.6	106.8	79.1	4.5	24.6	19.3	15.3
SMDH 00146	813478.7	8194585.3	165.3	0	1	20	1653.5	3338.4	988.0	130.6	1121.4	92.1	265.9	168.6	274.6	297.2	571.8	632.2	555.0	16.8	146.3	138.3	23.0
SMDH 00146	813478.7	8194585.3	165.3	1	2	50	1303.6	2889.9	768.5	129.2	700.5	108.3	312.7	198.3	322.9	349.5	456.8	516.8	442.0	14.9	122.7	113.4	27.6
SMDH 00146	813478.7	8194585.3	165.3	2	3	50	3798.6	4976.6	3341.9	100.5	719.2	68.3	197.3	125.1	203.7	220.5	372.1	419.4	360.3	11.8	106.1	96.7	18.4
SMDH 00146	813478.7	8194585.3	165.3	3	4	70	1912.9	3680.8	1359.0	143.1	630.0	129.8	374.9	237.7	387.1	419.0	476.1	542.5	458.6	17.5	136.2	121.8	27.6
SMDH 00146	813478.7	8194585.3	165.3	4	5	90	2025.0	3602.5	1524.0	122.1	606.6	113.2	326.8	207.2	337.4	365.2	446.3	502.3	430.5	15.8	123.0	112.1	23.0
SMDH 00146	813478.7	8194585.3	165.3	5	6	95	2351.9	4040.3	1726.8	106.8	1059.4	96.2	277.8	176.1	286.8	310.4	382.5	432.2	369.9	12.6	106.0	97.0	21.4
SMDH 00146	813478.7	8194585.3	165.3	6	7	80	1836.9	3525.9	1296.2	137.3	641.6	121.6	351.3	222.7	362.7	392.5	544.5	607.9	526.9	17.6	148.3	136.7	24.5
SMDH 00146	813478.7	8194585.3	165.3	7	8	95	1896.1	3578.4	1369.7	126.7	631.0	121.6	351.3	222.7	362.7	392.5	544.2	602.7	528.0	16.3	147.9	139.8	23.0
SMDH 00146	813478.7	8194585.3	165.3	8	9	98	1890.3	3326.5	1423.4	121.0	556.2	102.8	296.8	188.2	306.5	331.7	428.4	484.3	412.3	16.0	121.4	106.6	19.9
SMDH 00146	813478.7	8194585.3	165.3	9	10	95	1632.6	3170.4	1114.3	137.8	632.2	107.8	311.4	197.4	321.5	347.9	457.1	520.7	438.8	18.4	132.6	115.2	23.0
SMDH 00146	813478.7	8194585.3	165.3	10	11	98	1671.4	3308.1	1132.0	118.6	730.2	111.3	321.4	203.8	331.8	359.1	442.9	497.6	428.1	14.9	123.4	113.6	23.0
SMDH 00146	813478.7	8194585.3	165.3	11	12	75	1858.1	3476.7	1356.4	109.6	634.8	115.4	333.1	211.2	343.9	372.3	414.4	465.3	402.1	12.4	107.6	101.9	24.5
SMDH 00146	813478.7	8194585.3	165.3	12	13	85	1686.3	3190.0	1176.1	123.5	671.4	102.2	295.1	187.1	304.7	329.8	516.7	573.0	500.2	16.5	139.3	131.1	23.0
SMDH 00147	813361.1	8194582.6	163.1	0	1	10	1442.3	2680.3	924.9	90.7	946.2	60.2	174.0	110.3	179.6	194.4	385.2	426.7	372.4	12.8	104.6	95.7	13.8
SMDH 00147	813361.1	8194582.6	163.1	1	2	85	2007.5	4295.5	1079.6	178.0	1608.2	119.9	346.2	219.5	357.4	386.8	674.6	756.4	651.8	22.8	183.8	169.1	33.7
SMDH 00147	813361.1	8194582.6	163.1	2	3	80	1361.2	2756.3	957.5	85.6	475.0	103.8	299.8	190.1	309.5	335.0	333.3	373.4	325.2	8.1	84.7	83.6	23.0
SMDH 00147	813361.1	8194582.6	163.1	3	4	85	1899.7	3460.4	1402.7	129.0	575.6	113.4	327.6	207.7	338.3	366.1	384.3	444.4	371.4	12.9	100.3	91.7	33.7
SMDH 00147	813361.1	8194582.6	163.1	4	5	90	1701.6	3244.5	1242.5	111.2	511.3	115.7	334.0	211.8	344.9	373.2	302.5	354.6	291.8	10.6	83.2	74.6	29.1
SMDH 00147	813361.1	8194582.6	163.1	5	6	90	1324.0	2758.2	889.9	91.2	545.9	103.2	298.1	189.0	307.8	333.1	351.5	394.1	342.8	8.7	89.6	88.0	24.5
SMDH 00147	813361.1	8194582.6	163.1	6	7	70	2070.2	3580.7	1569.6	108.2	688.5	101.8	294.0	186.4	303.6	328.6	336.4	387.0	325.1	11.2	93.7	84.7	26.0
SMDH 00147	813361.1	8194582.6	163.1	7	8	95	1734.8	3336.0	1222.5	127.3	617.2	114.8	331.4	210.1	342.2	370.4	445.5	505.1	432.0	13.5	119.9	110.5	29.1
SMDH 00147	813361.1	8194582.6	163.1	8	9	98	1721.9	3931.2	911.7	141.5	1351.9	128.0	369.5	234.3	381.5	412.9	424.6	490.8	409.5	15.1	120.5	106.3	32.1
SMDH 00147	813361.1	8194582.6	163.1	9	10	85	1350.1	2705.7	931.7	98.6	500.7	98.5	284.4	180.3	293.7	317.8	362.4	408.3	351.3	11.1	97.9	90.2	21.4
SMDH 00147	813361.1	8194582.6	163.1	10	11	95	1478.0	3237.2	930.0	138.8	628.4	129.1	372.9	236.4	385.0	416.7	364.1	429.4	350.3	13.7	107.8	92.9	33.7
SMDH 00147	813361.1	8194582.6	163.1	11	12	95	1588.1	3374.2	1043.1	130.9	632.7	131.4	379.5	240.6	391.8	424.1	376.1	437.8	363.7	12.4	106.4	96.0	33.7
SMDH 00147	813361.1	8194582.6	163.1	12	13	75	1484.1	3294.0	959.5	99.0	663.0	131.8	380.7	241.4	393.1	425.4	358.5	404.8	348.4	10.1	92.4	87.4	24.5
SMDH 00147	813361.1	8194582.6	163.1	13	14	85	1426.9	3254.3	872.9	115.0	703.2	131.1	378.5	240.0	390.8	422.9	426.6	480.0	414.2	12.4	111.8	106.3	27.6
SMDH 00147	813361.1	8194582.6	163.1	14	15	80	1473.3	3361.7	929.8	97.3	699.8	137.1	395.8	251.0	408.7	442.3	397.6	443.0	388.2	9.4	101.0	100.5	26.0
SMDH 00147	813361.1	8194582.6	163.1	15	16	95	1466.4	3040.3	1004.5	103.4	534.3	117.2	338.5	214.6	349.5	378.2	390.5	438.9	379.7	10.9	101.0	95.6	24.5
SMDH 00148	813240.8	8194578.7	162.1	0	1	10	1657.7	3247.0	1034.5	98.0	1132.8	82.3	237.7	150.7	245.4	265.6	565.1	609.5	551.3	13.7	136.2	138.0	16.8
SMDH 00148	813240.8	8194578.7	162.1	1	2	20	1539.5	3366.2	1036.5	76.5	658.3	133.7	386.1	244.8	398.7	431.5	511.4	546.6	502.8	8.6	111.9	121.4	18.4
SMDH 00148	813240.8	8194578.7	162.1	2	3	40	3226.9	4733.0	2774.3	79.3	621.1	105.5	304.6	193.2	314.6	340.4	365.7	402.5	356.9	8.8	88.5	89.1	18.4
SMDH 00148	813240.8	8194578.7	162.1	3	4	70	1783.5	3072.0	1405.5	79.6	455.5	94.9	273.9	173.7	282.8	306.1	398.5	435.1	389.4	9.2	93.7	96.1	18.4
SMDH 00148	813240.8	8194578.7	162.1	4	5	100	1955.0	4471.8	1209.8	193.0	778.0	192.1	554.7	351.7	572.7	619.8	477.2	565.5	452.5	24.7	143.5	117.6	38.3
SMDH 00148	813240.8	8194578.7	162.1	5	6	80	1797.9	3468.4	1279.3	138.2	566.7	124.4	359.4	227.8	371.0	401.6	411.9	475.5	394.7	17.3	115.8	101.1	27.6
SMDH 00148	813240.8	8194578.7	162.1	6	7	50	1757.9	3651.9	1211.0	111.9	655.7	140.3	405.1	256.9	418.3	452.7	408.5	459.2	393.4	15.2	105.3	97.0	21.4
SMDH 00148	813240.8	8194578.7	162.1	7	8	70	1454.2	2996.7	931.6	132.4	665.3	106.3	306.9	194.6	316.9	342.9	380.8	441.0	363.4	17.4	104.8	89.1	26.0
SMDH 00148	813240.8	8194578.7	162.1	8	9	90	1309.5	2712.8	849.6	132.0	506.6	102.7	296.5	188.0	306.1	331.3	393.8	454.3	377.4	16.3	115.2	101.2	27.6
SMDH 00148	813240.8	8194578.7	162.1	9	10	90	1015.2	1934.5	682.6	98.1	403.5	62.9	181.6	115.2	187.5	203.0	304.8	349.9	292.7	12.1	88.6	77.6	19.9
SMDH 00148	813240.8	8194578.7	162.1	10	11	100	1745.8	3032.2	1393.6	72.3	388.9	98.7	285.1	180.7	294.3	318.5	412.2	445.4	403.9	8.4	101.6	105.7	16.8
SMDH 00148	813240.8	8194578.7	162.1	11	12	100	1254.1	2335.6	887.6	88.1	483.8	73.5	212.1	134.5	219.0	237.0	384.1	424.9	374.6	9.5	94.0	93.2	21.4
SMDH 00148	813240.8	8194578.7	162.1	12	13	40	1802.0	3097.9	1383.8	89.2	563.2	89.0	257.1	163.0	265.4	287.3	581.3	621.9	570.4	10.9	140.1	148.3	19.9
SMDH 00149	813117.1	8194584.1	160.4	0	1	10	1244.3	2693.9	828.1	112.5	395.9	113.8	328.6	208.4	339.3	367.3	240.4	292.8	229.5	10.9	69.6	58.9	30.6
SMDH 00149	813117.1	8194584.1	160.4	1	2	20	1495.4	3046.0	1095.3	135.0	206.6	134.9	389.6	247.0	402.3	435.4	167.0	230.4	154.6	12.5	62.1	42.7	36.7
SMDH 00149	813117.1	8194584.1	160.4	2	3	30	4944.5	7930.3	3928.3	51.3	2048.9	159.5	460.4	291.9	475.4	514.5	229.9	253.3	224.3	5.6	48.0	48.8	13.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00149	813117.1	8194584.1	160.4	3	4	100	1652.5	2301.7	1368.2	76.9	436.6	35.2	101.7	64.5	105.0	113.6	256.9	291.7	244.4	12.6	76.8	60.9	7.7
SMDH 00149	813117.1	8194584.1	160.4	4	5	60	1757.3	3297.4	1180.8	84.5	1036.5	83.5	241.1	152.8	248.9	269.4	133.6	172.1	121.7	11.9	50.7	31.2	13.8
SMDH 00150	812998.4	8194588.1	159.4	0	1	10	916.6	2592.4	504.8	101.4	310.0	140.5	405.8	257.3	419.0	453.5	257.2	304.4	244.6	12.6	83.4	66.0	18.4
SMDH 00150	812998.4	8194588.1	159.4	1	2	15	1531.2	2706.0	1183.9	96.1	339.5	91.1	263.1	166.8	271.6	294.0	220.1	265.2	210.3	9.7	68.5	57.2	23.0
SMDH 00150	812998.4	8194588.1	159.4	2	3	25	1333.0	2414.8	997.8	83.0	388.5	79.3	228.9	145.1	236.3	255.8	294.1	332.2	283.3	10.8	84.2	76.3	15.3
SMDH 00150	812998.4	8194588.1	159.4	3	4	40	2634.2	3501.2	2333.6	147.4	133.2	74.4	214.7	136.2	221.7	240.0	113.5	183.8	103.8	9.7	49.6	33.5	49.0
SMDH 00150	812998.4	8194588.1	159.4	4	5	50	1988.5	3214.2	1658.9	81.1	304.7	98.0	283.1	179.5	292.3	316.4	302.8	340.6	294.4	8.5	77.7	75.7	19.9
SMDH 00150	812998.4	8194588.1	159.4	5	6	70	954.6	1762.3	750.4	53.2	154.6	67.4	194.7	123.4	201.0	217.5	142.1	167.2	136.6	5.5	43.5	37.2	12.2
SMDH 00150	812998.4	8194588.1	159.4	6	7	90	774.1	1238.7	632.2	53.3	95.0	38.4	110.9	70.3	114.5	124.0	95.3	120.6	89.6	5.7	34.9	23.8	10.7
SMDH 00150	812998.4	8194588.1	159.4	7	8	100	2310.1	3739.1	1938.6	133.9	165.8	125.8	363.4	230.4	375.2	406.0	181.2	244.3	166.6	14.5	81.4	53.2	27.6
SMDH 00150	812998.4	8194588.1	159.4	8	9	100	1641.4	3348.4	1099.2	199.4	412.6	137.3	396.4	251.3	409.3	443.0	483.6	575.6	457.3	26.3	154.1	120.5	33.7
SMDH 00150	812998.4	8194588.1	159.4	9	10	90	1712.7	3674.2	1136.0	189.5	449.6	159.2	459.8	291.5	474.8	513.8	426.1	512.7	401.9	24.2	129.0	100.6	38.3
SMDH 00150	812998.4	8194588.1	159.4	10	11	80	1480.1	3125.4	954.4	185.1	434.6	130.1	375.6	238.1	387.8	419.7	375.1	460.7	352.5	22.6	119.8	88.8	36.7
SMDH 00150	812998.4	8194588.1	159.4	11	12	70	1804.3	3640.0	1265.9	182.6	396.7	150.5	434.5	275.5	448.7	485.6	349.2	433.8	328.5	20.7	112.2	85.0	41.3
SMDH 00150	812998.4	8194588.1	159.4	12	13	90	1900.3	3902.6	1307.2	207.5	424.0	164.7	475.5	301.5	490.9	531.3	395.5	490.9	370.1	25.4	131.0	96.3	42.9
SMDH 00150	812998.4	8194588.1	159.4	13	14	100	1618.5	3353.6	1100.2	179.8	383.2	141.7	409.3	259.5	422.6	457.3	345.1	427.9	323.5	21.5	113.5	84.6	38.3
SMDH 00150	812998.4	8194588.1	159.4	14	15	100	1557.3	3656.7	937.8	216.7	438.9	173.0	499.6	316.7	515.8	558.2	399.3	499.0	372.7	26.5	135.4	98.9	44.4
SMDH 00150	812998.4	8194588.1	159.4	15	16	90	1565.8	3370.8	982.0	209.5	479.0	142.6	411.7	261.0	425.0	460.0	417.1	512.9	391.1	26.0	132.9	101.4	44.4
SMDH 00150	812998.4	8194588.1	159.4	16	17	70	1468.8	3365.2	846.8	211.2	566.9	145.9	421.3	267.2	435.0	470.8	375.0	472.3	347.3	27.7	140.8	97.1	36.7
SMDH 00151	812885.8	8194585.1	159.0	0	1	20	1806.9	4308.1	997.7	200.9	989.7	177.7	513.2	325.4	529.9	573.5	576.0	669.1	549.4	26.5	170.8	136.0	32.1
SMDH 00151	812885.8	8194585.1	159.0	1	2	60	1536.8	3288.1	928.7	154.1	795.1	118.2	341.4	216.5	352.5	381.6	460.7	532.3	441.9	18.8	132.9	111.8	29.1
SMDH 00151	812885.8	8194585.1	159.0	2	3	40	1928.6	3287.0	1413.0	116.2	787.9	81.3	234.8	148.9	242.5	262.4	445.5	500.9	432.8	12.7	120.7	108.0	21.4
SMDH 00151	812885.8	8194585.1	159.0	3	4	40	2226.7	2892.2	2011.1	56.6	253.1	47.9	138.4	87.7	142.9	154.6	268.8	294.9	262.2	6.6	65.3	63.3	12.2
SMDH 00151	812885.8	8194585.1	159.0	4	5	50	2544.5	3513.8	2242.8	54.9	423.6	66.4	191.9	121.7	198.1	214.4	419.4	445.0	414.2	5.2	89.4	99.0	15.3
SMDH 00151	812885.8	8194585.1	159.0	5	6	60	2768.0	3945.6	2503.2	45.5	221.8	98.5	284.5	180.4	293.7	317.9	285.3	306.7	281.9	3.3	59.6	66.4	15.3
SMDH 00151	812885.8	8194585.1	159.0	6	7	50	2109.8	3505.5	1693.8	75.5	556.6	98.9	285.6	181.1	294.9	319.2	584.5	619.2	577.0	7.5	123.4	139.2	21.4
SMDH 00151	812885.8	8194585.1	159.0	7	8	70	1740.5	3230.7	1300.3	49.7	691.8	99.7	287.8	182.5	297.2	321.7	498.1	520.6	492.7	5.4	102.4	118.3	13.8
SMDH 00151	812885.8	8194585.1	159.0	8	9	80	1483.8	2685.4	1121.5	42.9	574.3	79.4	229.2	145.3	236.7	256.2	505.8	525.3	501.3	4.6	103.4	121.5	12.2
SMDH 00151	812885.8	8194585.1	159.0	9	10	80	1741.1	3204.3	1248.2	56.4	872.0	86.2	248.8	157.8	256.9	278.1	373.3	399.5	368.2	5.0	81.2	90.0	16.8
SMDH 00151	812885.8	8194585.1	159.0	10	11	85	1059.8	1695.5	823.8	33.3	426.4	34.5	99.7	63.2	103.0	111.5	276.7	292.1	273.4	3.3	60.7	67.7	9.2
SMDH 00151	812885.8	8194585.1	159.0	11	12	90	1161.0	2382.0	779.9	70.2	533.6	83.7	241.7	153.3	249.6	270.1	320.8	353.6	314.4	6.4	75.1	78.1	19.9
SMDH 00151	812885.8	8194585.1	159.0	12	13	90	1049.8	2233.9	680.4	74.4	494.1	82.6	238.5	151.2	246.3	266.5	314.3	349.0	307.5	6.7	75.2	77.2	21.4
SMDH 00151	812885.8	8194585.1	159.0	13	14	85	1168.2	2609.7	691.2	98.0	673.6	96.2	277.7	176.1	286.7	310.3	283.8	329.6	275.2	8.6	72.9	69.7	29.1
SMDH 00151	812885.8	8194585.1	159.0	14	15	80	1540.5	3015.2	1066.2	115.9	582.4	104.9	302.8	192.0	312.7	338.4	506.4	560.1	493.2	13.2	127.4	125.4	26.0
SMDH 00151	812885.8	8194585.1	159.0	15	16	95	1622.4	2894.2	1198.7	115.8	498.1	90.7	261.9	166.0	270.4	292.6	399.4	453.4	385.8	13.6	111.2	99.1	23.0
SMDH 00151	812885.8	8194585.1	159.0	16	17	95	1065.9	1908.6	847.0	50.4	200.9	67.9	196.2	124.4	202.6	219.2	239.2	262.9	235.0	4.2	55.5	57.6	15.3
SMDH 00151	812885.8	8194585.1	159.0	17	18	80	1327.9	2721.3	892.2	136.0	409.1	107.7	310.9	197.1	321.0	347.4	311.6	374.7	295.9	15.8	96.3	76.8	29.1
SMDH 00152	812759.8	8194580.7	159.0	0	1	75	1479.2	3519.3	786.4	152.6	967.2	135.2	390.5	247.6	403.2	436.4	425.7	496.8	405.1	20.6	135.6	105.2	21.4
SMDH 00152	812759.8	8194580.7	159.0	1	2	50	945.6	2351.9	484.8	94.8	643.5	94.6	273.3	173.3	282.2	305.4	221.0	264.6	209.4	11.5	67.8	54.4	19.9
SMDH 00152	812759.8	8194580.7	159.0	2	3	50	927.9	1985.0	619.9	53.1	410.1	75.6	218.3	138.4	225.4	244.0	202.5	227.3	197.7	4.8	47.6	47.7	15.3
SMDH 00152	812759.8	8194580.7	159.0	3	4	60	1227.4	3079.9	655.9	140.7	661.3	136.0	392.7	249.0	405.5	438.8	273.6	338.8	257.4	16.2	90.0	68.1	30.6
SMDH 00152	812759.8	8194580.7	159.0	4	5	60	1374.8	2967.2	741.0	108.5	1131.7	82.7	238.7	151.4	246.5	266.8	391.7	441.8	378.4	13.4	100.4	92.2	21.4
SMDH 00152	812759.8	8194580.7	159.0	5	6	70	832.9	1955.1	551.8	43.7	315.1	87.6	252.9	160.4	261.1	282.6	171.9	192.7	169.2	2.7	38.2	40.5	15.3
SMDH 00152	812759.8	8194580.7	159.0	6	7	70	1692.0	2650.8	1422.2	28.2	409.5	66.3	191.5	121.4	197.7	214.0	189.0	201.8	185.9	3.1	41.5	44.8	7.7
SMDH 00152	812759.8	8194580.7	159.0	7	8	85	1052.7	2535.4	615.7	43.1	707.5	98.0	283.1	179.5	292.3	316.3	241.7	262.0	237.9	3.8	58.8	64.2	12.2
SMDH 00152	812759.8	8194580.7	159.0	8	9	95	1394.4	2789.9	986.2	50.5	618.8	95.1	274.7	174.1	283.6	306.9	215.4	239.1	210.7	4.7	53.3	53.8	13.8
SMDH 00152	812759.8	8194580.7	159.0	9	10	60	978.6	2312.7	594.9	44.8	580.2	91.6	264.6	167.8	273.2	295.7	186.6	207.6	182.9	3.7	44.4	46.0	13.8
SMDH 00152	812759.8	8194580.7	159.0	10	11	95	1268.3	2938.1	772.6	52.7	794.7	110.5	319.1	202.3	329.5	356.6	192.7	217.9	189.1	3.6	45.6	46.7	16.8
SMDH 00152	812759.8	8194580.7	159.0	11	12	95	1127.4	2767.7	660.6	60.2	676.6	114.9	331.8	210.4	342.5	370.7	250.5	278.9	245.7	4.8	59.1	61.4	18.4
SMDH 00153	812635.4	8194583.9	159.1	0	1	45	686.3	1529.0	373.7	71.0	466.5	51.8	149.6	94.8	154.4	167.1	185.0	218.3	175.9	9.1	60.7	47.0	10.7
SMDH 00153	812635.4	8194583.9	159.1	1	2	70	957.0	2311.6	470.2	100.9	741.2	83.8	241.9	153.4	249.8	270.4	232.8	279.9	220.5	12.2	74.4	56.4	18.4
SMDH 00153	812635.4	8194583.9	159.1	2	3	40	1464.3	3662.6	793.9	144.5	838.3	158.1	456.6	289.5	471.5	510.3	364.5	432.0	347.8	16.7	113.9	92.7	29.1
SMDH 00153	812635.4	8194583.9	159.1	3	4	70	921.5	2360.1	496.9	118.1	411.5	111.8	322.9	204.7	333.4	360.8	201.3	257.1	188.6	12.7	73.9	51.3	24.5
SMDH 00153	812635.4	8194583.9	159.1	4	5	75	1352.2	2675.2	968.1	96.1	401.0	101.5	293.0	185.8	302.5	327.4	286.3	331.0	275.2	11.1	84.6	73.3	19.9
SMDH 00153	812635.4	8194583.9	159.1	5	6	75	1183.0	2293.3	849.1	88.7	348.9	84.4	243.7	154.5	251.6	272.3	266.5	308.1	256.1	10.4	78.5	66.3	16.8
SMDH 00153	812635.4	8194583.9	159.1	6	7	85	1689.7	3146.4	1246.1	99.3	540.1	105.7	305.3	193.6	315.2	341.2	240.5	287.2	229.8	10.8	74.3	60.0	21.4
SMDH 00153	812635.4	8194583.9	159.1	7	8	95	1386.2	2752.6	988.8	106.9	388.8	106.3	307.0	194.7	317.0	343.1	342.0	391.5	329.6	12.4	96.1	86.0	23.0
SMDH 00153	812635.4	8194583.9	159.1	8	9	90	1578.3	3114.5	993.0	180.9	719.6	102.4	295.6	187.4	305.2	330.3	320.0	405.0	298.0	22.1	119.5	79.8	30.6
SMDH 00153	812635.4	8194583.9	159.1	9	10	85	1610.9	3173.5	1070.7	156.5	631.5	110.2	318.3	201.8	328.7	355.7	332.7	406.3	313.6	19.0	115.0	81.9	26.0
SMDH 00153	812635.4	8194583.9	159.1	10	11	95	1955.4	4200.7	1223.0	207.9	809.9	164.3	474.5	300.9	490.0	530.3	383.6	481.8	358.5	25.1	146.8	99.4	33.7
SMDH 00153	812635.4	8194583.9	159.1	11	12	90	1570.3	3266.5	994.5	179.9	610.8	124.2	358.6	227.4	370.3	400.8	347.1	431.9	324.7	22.4	130.0	88.3	27.6
SMDH 00153	812635.4	8194583.9	159.1	12	13	95	1697.6	3245.6	1122.9	204.6	589.5	111.4	321.7	204.0	332.1	359.5	336.8	433.7	311.6	25.2	137.1	85.0	30.6
SMDH 00153	812635.4	8194583.9	159.1	13	14	95	1590.7	3288.2	987.4	184.3	694.4	119.2	344.3	218.3	355.5	384.8	340.3	427.5	318.9	21.3	124.8	84.3	32.1
SMDH 00154	814497.8	8194696.5	170.5	0	1	10	1576.3	5135.3	699.3	151.0	900.9	283.7	819.3	519.5	846.0	915.6	372.1	443.2	355.8	16.3	116.6	95.4	32.1
SMDH 00154	814497.8	8194696.5	170.5	1	2	30	1634.1	6803.9	567.5	164.1	755.7	445.8	1287.2	816.2	1329.1	1438.4	345.7	421.1	328.1	17.6	101.7	83.7	42.9
SMDH 00154	814497.8	8194696.5	170.5	2	3	50	1621.5	7165.0	498.9	197.8	654.1	487.5	1407.7	892.5	1453.4	1573.0	262.2	353.5	239.4	22.9	105.1	67.2	44.4
SMDH 00154	814497.8	8194696.5	170.5	3	4	50	3607.0	12579.6	1919.0	291.7	693.7	811.2	2342.5	1485.2	2418.6	2617.7	238.1	375.3	204.0	34.1	153.3	77.1	53.6
SMDH 00154	814497.8	8194696.5	170.5	4	5	98	3359.9	11110.9	1862.3	276.4	653.7	697.4	2014.0	1277.0	2079.5	2250.6	225.1	354.6	192.5	32.6	142.4	71.9	52.0
SMDH 00154	814497.8	8194696.5	170.5	5	6	95	3344.6	11208.6	1851.6	264.3	626.0	709.9	2049.9	1299.7	2116.5	2290.7	221.4	345.5	190.4	31.0	139.3	71.1	49.0
SMDH 00154	814497.8	8194696.5	170.5	6	7	80	2990.8	9154.4	1749.9	252.4	583.5	550.7	1590.3	1008.4	1642.0	1777.2	246.2	363.8	214.8	31.3	138.5	73.8	44.4
SMDH 00154	814497.8	8194696.5	170.5	7	8	98	1925.6	3559.9	1396.8	154.2	563.7	121.2	349.9	221.9	361.3	391.0	437.2	508.7	416.8	20.4	137.2	110.7	24.5

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00154	814497.8	8194696.5	170.5	8	9	75	1848.8	3567.3	1276.2	168.4	630.2	125.1	361.4	229.1	373.1	403.8	359.8	438.4	338.9	20.9	124.4	91.3	29.1
SMDH 00155	814379.4	8194705.9	171.7	0	1	30	1943.9	4791.8	1016.8	86.4	1664.9	169.7	490.0	310.7	505.9	547.5	644.2	683.5	630.9	13.3	158.9	164.5	10.7
SMDH 00155	814379.4	8194705.9	171.7	1	2	40	1380.9	4152.0	645.2	114.0	906.3	208.5	602.0	381.7	621.6	672.7	370.3	423.3	358.6	11.7	97.5	90.7	29.1
SMDH 00155	814379.4	8194705.9	171.7	2	3	40	1275.6	3424.8	650.2	144.8	697.3	162.0	467.9	296.7	483.1	522.9	364.5	432.7	349.8	14.6	112.2	95.1	33.7
SMDH 00155	814379.4	8194705.9	171.7	3	4	75	1571.8	3201.8	1093.3	115.2	524.6	123.1	355.6	225.5	367.2	397.4	376.3	430.2	363.0	13.3	106.8	93.7	23.0
SMDH 00155	814379.4	8194705.9	171.7	4	5	90	1629.3	3053.1	1129.4	166.2	517.7	103.9	300.2	190.3	309.9	335.4	401.7	478.7	381.4	20.3	126.4	100.1	32.1
SMDH 00155	814379.4	8194705.9	171.7	5	6	90	1445.4	2871.2	984.3	144.0	456.2	107.9	311.5	197.5	321.7	348.1	324.8	391.7	307.7	17.1	103.1	80.6	29.1
SMDH 00155	814379.4	8194705.9	171.7	6	7	90	1314.4	2558.9	909.4	102.2	492.9	88.4	255.3	161.9	263.6	285.3	274.9	322.8	264.0	10.9	80.9	68.9	23.0
SMDH 00155	814379.4	8194705.9	171.7	7	8	95	1326.3	2518.5	929.1	108.5	467.1	85.0	245.5	155.6	253.4	274.3	336.4	386.8	323.9	12.5	94.9	83.2	23.0
SMDH 00155	814379.4	8194705.9	171.7	8	9	90	1617.8	3131.3	1097.7	158.1	577.0	108.9	314.4	199.3	324.6	351.3	366.0	439.1	347.4	18.6	113.2	90.4	33.7
SMDH 00155	814379.4	8194705.9	171.7	9	10	75	1639.0	3173.7	1111.2	164.7	570.1	111.3	321.4	203.8	331.9	359.2	326.5	402.9	306.5	20.0	109.1	79.6	32.1
SMDH 00155	814379.4	8194705.9	171.7	10	11	98	1570.3	3053.6	1116.7	101.7	554.9	107.4	310.0	196.6	320.1	346.4	278.9	326.5	268.4	10.5	79.0	68.4	24.5
SMDH 00155	814379.4	8194705.9	171.7	11	12	90	1850.6	3524.7	1245.8	192.7	680.2	117.9	340.4	215.8	351.5	380.4	382.4	472.4	360.8	21.6	125.9	95.1	41.3
SMDH 00155	814379.4	8194705.9	171.7	12	13	85	1613.5	3658.5	1065.5	82.5	693.2	152.4	440.0	279.0	454.3	491.7	167.4	206.5	160.8	6.6	46.7	38.9	24.5
SMDH 00155	814379.4	8194705.9	171.7	13	14	90	1831.9	3510.7	1305.1	136.0	601.0	123.1	355.6	225.5	367.2	397.4	350.3	414.1	335.9	14.4	102.4	85.8	30.6
SMDH 00155	814379.4	8194705.9	171.7	14	14.5	60	1491.1	2989.1	931.8	167.4	693.0	100.3	289.8	183.7	299.2	323.8	326.0	404.0	307.4	18.6	107.9	79.9	36.7
SMDH 00155	814379.4	8194705.9	171.7	14.5	15	60	1491.1	2989.1	931.8	167.4	693.0	100.3	289.8	183.7	299.2	323.8	326.0	404.0	307.4	18.6	107.9	79.9	36.7
SMDH 00156	814255.9	8194706.1	173.1	0	1	40	1795.2	3653.5	984.7	107.3	1648.1	76.6	221.1	140.2	228.3	247.1	630.0	678.6	614.0	16.0	156.3	153.6	15.3
SMDH 00156	814255.9	8194706.1	173.1	1	2	40	1268.4	2868.4	702.2	119.8	841.3	101.0	291.8	185.0	301.3	326.0	407.1	462.7	392.5	14.5	112.0	97.9	23.0
SMDH 00156	814255.9	8194706.1	173.1	2	3	50	1457.8	3050.2	901.1	154.0	686.2	109.7	316.9	200.9	327.2	354.1	424.5	495.1	403.2	21.3	132.1	106.2	24.5
SMDH 00156	814255.9	8194706.1	173.1	3	4	80	1377.7	2814.7	855.8	146.1	664.2	96.3	278.1	176.3	287.1	310.8	353.9	421.6	334.5	19.4	116.5	87.8	23.0
SMDH 00156	814255.9	8194706.1	173.1	4	5	95	1489.5	2960.3	963.1	149.5	651.9	100.3	289.5	183.6	298.9	323.5	413.3	482.9	393.6	19.7	131.2	104.0	23.0
SMDH 00156	814255.9	8194706.1	173.1	5	6	80	1713.2	3012.3	1303.7	90.8	523.7	91.7	264.9	168.0	273.5	296.0	453.9	495.3	441.3	12.6	117.1	113.6	15.3
SMDH 00156	814255.9	8194706.1	173.1	6	7	90	1662.3	2920.4	1225.3	94.1	631.8	81.3	234.7	148.8	242.3	262.2	460.1	503.4	447.4	12.7	121.5	116.1	15.3
SMDH 00156	814255.9	8194706.1	173.1	7	8	85	1512.0	2932.9	1069.5	91.2	582.9	99.7	287.9	182.6	297.3	321.8	378.1	419.9	366.2	11.9	103.1	96.4	16.8
SMDH 00156	814255.9	8194706.1	173.1	8	9	85	1394.8	2598.8	1029.9	96.6	387.2	91.0	262.7	166.6	271.3	293.6	286.4	331.4	275.7	10.7	82.0	71.9	21.4
SMDH 00156	814255.9	8194706.1	173.1	9	10	95	1395.8	2561.2	982.0	130.1	462.0	82.8	239.0	151.5	246.8	267.1	361.8	421.5	345.0	16.8	110.3	92.7	24.5
SMDH 00156	814255.9	8194706.1	173.1	10	11	90	1377.4	2563.3	1002.0	103.3	409.8	87.9	253.8	160.9	262.0	283.6	267.2	316.0	257.5	9.7	78.3	68.7	26.0
SMDH 00156	814255.9	8194706.1	173.1	11	12	90	1419.7	2562.4	1016.0	117.1	483.8	79.3	228.9	145.1	236.3	255.8	314.3	368.7	300.7	13.6	95.7	80.5	24.5
SMDH 00156	814255.9	8194706.1	173.1	12	13	90	1365.2	2558.0	950.8	133.3	439.2	86.7	250.5	158.8	258.6	279.9	277.5	339.3	260.9	16.6	95.4	70.9	24.5
SMDH 00156	814255.9	8194706.1	173.1	13	14	80	1695.2	3027.3	1266.7	121.7	464.4	98.5	284.3	180.3	293.6	317.7	281.7	338.8	268.8	12.9	89.4	73.2	27.6
SMDH 00156	814255.9	8194706.1	173.1	14	15	75	1761.9	3542.1	1250.7	133.0	505.4	138.6	400.2	253.8	413.2	447.2	310.4	372.1	296.5	13.9	97.6	84.4	33.7
SMDH 00157	814138.2	8194704.7	174.1	0	1	40	1485.1	3106.8	828.4	80.3	1303.2	75.0	216.7	137.4	223.7	242.1	509.2	545.6	497.9	11.2	128.1	131.3	13.8
SMDH 00157	814138.2	8194704.7	174.1	1	2	50	1227.2	2844.9	707.4	98.0	743.2	108.7	313.8	199.0	324.0	350.7	383.7	429.3	372.2	11.4	104.7	97.6	19.9
SMDH 00157	814138.2	8194704.7	174.1	2	3	75	810.6	2390.8	369.2	46.4	664.0	109.9	317.4	201.3	327.8	354.7	82.9	104.8	80.0	2.9	22.2	20.6	16.8
SMDH 00157	814138.2	8194704.7	174.1	3	4	85	1224.3	2250.5	993.5	28.1	235.5	83.3	240.5	152.5	248.3	268.8	41.6	54.5	39.2	2.4	13.5	9.9	9.2
SMDH 00157	814138.2	8194704.7	174.1	4	5	85	1274.0	2534.3	937.5	28.6	503.9	89.2	257.7	163.4	266.1	288.0	38.1	51.4	36.1	2.0	10.4	8.2	10.7
SMDH 00157	814138.2	8194704.7	174.1	5	6	75	1157.6	2380.4	790.1	31.1	625.7	78.3	226.0	143.3	233.4	252.6	78.1	92.6	75.8	2.3	20.0	18.7	10.7
SMDH 00157	814138.2	8194704.7	174.1	6	7	85	1665.6	2802.5	1350.9	50.2	406.1	83.5	241.0	152.8	248.8	269.3	335.0	358.0	329.7	5.2	76.3	83.6	13.8
SMDH 00157	814138.2	8194704.7	174.1	7	8	90	1475.3	2571.3	1160.1	61.5	386.7	80.7	233.1	147.8	240.7	260.5	240.1	268.3	232.7	7.3	64.8	62.2	13.8
SMDH 00157	814138.2	8194704.7	174.1	8	9	90	2343.4	4274.4	1766.3	81.6	858.0	131.5	379.7	240.8	392.1	424.4	603.9	641.3	595.1	8.8	137.5	153.2	21.4
SMDH 00157	814138.2	8194704.7	174.1	9	10	85	1861.7	3315.8	1399.3	87.2	653.6	98.6	284.7	180.5	293.9	318.1	510.1	549.7	498.4	11.7	129.1	132.9	16.8
SMDH 00157	814138.2	8194704.7	174.1	10	11	95	1664.9	3201.5	1185.2	111.7	587.2	110.5	319.0	202.2	329.3	356.4	388.0	439.5	373.9	14.1	115.1	104.8	21.4
SMDH 00157	814138.2	8194704.7	174.1	11	12	85	1918.5	3353.2	1448.6	108.0	614.5	99.1	286.2	181.4	295.5	319.8	336.0	386.1	322.5	13.5	100.9	87.3	19.9
SMDH 00157	814138.2	8194704.7	174.1	12	13	75	1977.1	3121.3	1611.0	90.1	444.3	81.8	236.3	149.8	243.9	264.0	264.6	306.1	252.3	12.4	83.8	69.1	13.8
SMDH 00157	814138.2	8194704.7	174.1	13	14	85	1550.6	2688.4	1207.2	52.7	500.9	77.8	224.6	142.4	231.9	251.0	307.5	331.8	301.9	5.6	74.3	78.5	13.8
SMDH 00158	814017.4	8194700.8	171.6	0	1	50	2117.5	4294.7	1254.5	121.5	1632.0	107.9	311.5	197.5	321.7	348.1	743.9	798.1	725.6	18.3	180.0	183.5	19.9
SMDH 00158	814017.4	8194700.8	171.6	1	2	30	1310.0	2949.1	802.5	96.1	694.7	113.7	328.2	208.1	338.9	366.8	423.3	467.4	412.3	11.0	100.3	98.4	23.0
SMDH 00158	814017.4	8194700.8	171.6	2	3	50	1634.8	3303.5	1128.9	99.2	663.2	118.4	341.9	216.8	353.0	382.1	506.9	552.4	495.3	11.6	121.9	123.9	23.0
SMDH 00158	814017.4	8194700.8	171.6	3	4	85	2107.2	3780.7	1543.2	122.6	787.4	111.3	321.4	203.8	331.9	359.2	523.3	579.4	507.8	15.5	135.6	129.1	24.5
SMDH 00158	814017.4	8194700.8	171.6	4	5	95	3016.0	4521.5	2549.9	83.8	654.3	103.4	298.6	189.4	308.4	333.7	477.9	516.2	468.1	9.8	109.3	113.1	19.9
SMDH 00158	814017.4	8194700.8	171.6	5	6	85	2747.6	4346.0	2253.1	98.6	658.4	112.0	323.4	205.1	334.0	361.4	526.3	571.6	515.3	11.0	125.2	131.3	24.5
SMDH 00158	814017.4	8194700.8	171.6	6	7	80	3696.0	5081.1	3258.2	91.3	583.0	96.3	278.1	176.3	287.1	310.8	389.4	431.7	379.3	10.2	98.2	96.0	21.4
SMDH 00158	814017.4	8194700.8	171.6	7	8	95	1476.4	2944.8	1035.8	80.3	592.2	103.7	299.4	189.8	309.1	334.5	304.2	341.4	295.7	8.5	76.6	73.2	19.9
SMDH 00158	814017.4	8194700.8	171.6	8	9	95	1275.7	2783.6	831.3	67.9	632.0	105.0	303.2	192.2	313.1	338.8	255.7	287.1	248.9	6.8	64.3	62.9	18.4
SMDH 00158	814017.4	8194700.8	171.6	9	10	75	1155.3	2271.1	873.1	53.4	286.8	88.7	256.1	162.4	264.4	286.2	288.4	312.9	283.0	5.3	67.1	70.6	15.3
SMDH 00158	814017.4	8194700.8	171.6	10	11	90	1589.6	2839.3	1141.7	62.5	790.8	70.8	204.4	129.6	211.1	228.4	401.7	430.4	394.7	6.9	91.0	96.7	15.3
SMDH 00158	814017.4	8194700.8	171.6	11	12	95	1378.4	3034.5	927.6	50.2	647.5	118.2	341.2	216.3	352.3	381.3	177.1	200.8	174.0	3.1	39.0	40.6	18.4
SMDH 00158	814017.4	8194700.8	171.6	12	13	90	1717.2	3511.1	1215.5	52.9	755.3	124.7	360.2	228.4	371.9	402.5	430.0	454.5	425.4	4.6	88.7	101.5	16.8
SMDH 00158	814017.4	8194700.8	171.6	13	14	95	1468.9	3109.7	1024.1	45.7	649.5	116.6	336.6	213.4	347.6	376.2	369.5	391.0	366.2	3.3	64.1	70.8	15.3
SMDH 00158	814017.4	8194700.8	171.6	14	15	90	1124.9	2266.1	751.6	37.2	664.4	68.2	196.8	124.8	203.2	220.0	234.1	251.1	230.4	3.7	52.6	57.0	10.7
SMDH 00158	814017.4	8194700.8	171.6	15	16	85	1835.4	3693.5	1301.7	70.9	774.9	129.6	374.3	237.3	386.5	418.3	564.0	596.5	557.2	6.7	118.1	134.3	21.4
SMDH 00159	813902.7	8194701.4	170.6	0	1	30	2965.5	5023.6	1847.1	179.8	2406.5	49.5	142.9	90.6	147.6	159.7	1205.6	1286.6	1176.5	29.1	319.3	323.8	19.9
SMDH 00159	813902.7	8194701.4	170.6	1	2	50	1436.4	2757.4	982.4	133.2	520.9	94.0	271.4	172.1	280.2	303.3	557.8	618.1	539.0	18.8	151.3	141.3	23.0
SMDH 00159	813902.7	8194701.4	170.6	2	3	40	1438.0	2503.8	969.7	148.6	641.5	62.4	180.1	114.2	186.0	201.3	517.9	586.4	498.0	19.9	152.4	134.3	24.5
SMDH 00159	813902.7	8194701.4	170.6	3	4	65	1835.4	3155.5	1304.0	161.1	701.4	82.9	239.5	151.8	247.2	267.6	677.1	751.4	656.4	20.7	188.1	177.8	29.1
SMDH 00159	813902.7	8194701.4	170.6	4	5	80	1265.3	2274.2	969.1	45.9	417.1	70.6	203.9	129.3	210.5	227.8	225.5	246.7	221.3	4.2	49.8	52.3	13.8
SMDH 00159	813902.7	8194701.4	170.6	5	6	90	1634.5	3061.7	1084.0	125.4	848.1	84.2	243.1	154.2	251.0	271.7	565.8	623.1	550.4	15.5	138.7	139.2	27.6
SMDH 00159	813902.7	8194701.4	170.6	6	7	75	1664.1	2974.4	1167.4	128.3	699.2	82.1	237.1	150.4	244.9	265.0	612.4	670.7	595.2	17.3	153.3	151.6	24.5
SMDH 00159	813902.7	8194701.4	170.6	7	8	98	1713.6	3344.8	1189.1	107.4	719.7	111.4	321.7	204.0	332.1	359.5	577.6	626.8	564.9	12.7	132.2	138.2	24.5
SMDH 00159	813902.7	8194701.4	170.6	8	9	98	1618.8	3153.2	1186.1	71.4	564.0	111.6	322.4	204.4	332.9	360.3	321.9	355.1	315.0	6.8	76.2	79.7	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00159	813902.7	8194701.4	170.6	9	10	60	1591.2	2978.5	1077.9	131.0	712.2	88.7	256.0	162.3	264.3	286.1	583.3	643.5	567.3	16.0	148.9	147.5	27.6
SMDH 00159	813902.7	8194701.4	170.6	10	11	90	1914.8	3175.3	1475.5	99.0	621.4	82.1	237.1	150.4	244.9	265.0	512.4	557.3	499.8	12.6	123.4	126.6	21.4
SMDH 00159	813902.7	8194701.4	170.6	11	12	98	2158.1	4133.5	1533.7	138.3	802.1	139.1	401.7	254.7	414.8	448.9	639.7	702.5	621.0	18.7	158.2	155.5	26.0
SMDH 00159	813902.7	8194701.4	170.6	12	13	70	1780.3	3088.4	1295.3	128.5	657.1	84.5	243.9	154.7	251.9	272.6	592.2	650.6	575.1	17.1	147.3	144.5	24.5
SMDH 00159	813902.7	8194701.4	170.6	13	14	70	2110.6	4001.6	1557.3	86.1	774.9	132.8	383.3	243.1	395.8	428.4	425.6	465.7	416.7	8.9	107.0	109.5	21.4
SMDH 00159	813902.7	8194701.4	170.6	14	15	95	1829.1	3844.8	1123.0	90.5	1252.7	115.6	333.8	211.6	344.6	373.0	467.2	509.4	458.5	8.7	112.3	118.2	24.5
SMDH 00159	813902.7	8194701.4	170.6	15	16	95	1767.1	3358.4	1253.9	101.1	721.0	107.5	310.5	196.9	320.6	347.0	544.8	591.9	533.8	11.0	132.1	135.7	23.0
SMDH 00160	813778.8	8194707.9	167.8	0	1	30	1041.7	2185.6	580.8	74.2	846.7	57.3	165.6	105.0	170.9	185.0	359.6	393.0	347.9	11.8	94.0	87.4	9.2
SMDH 00160	813778.8	8194707.9	167.8	1	2	40	1358.1	2947.0	774.8	111.1	940.2	94.0	271.4	172.1	280.2	303.3	481.1	531.8	465.7	15.4	125.9	116.2	18.4
SMDH 00160	813778.8	8194707.9	167.8	2	3	70	2054.1	3322.2	1630.2	111.5	516.1	89.2	257.7	163.4	266.1	288.0	477.8	528.8	463.3	14.5	122.6	116.5	21.4
SMDH 00160	813778.8	8194707.9	167.8	3	4	90	1765.4	2944.5	1393.8	71.1	516.4	80.8	233.2	147.9	240.8	260.6	290.4	323.1	282.3	8.1	73.3	70.5	16.8
SMDH 00160	813778.8	8194707.9	167.8	4	5	75	2067.1	3377.4	1663.2	76.7	549.3	91.2	263.5	167.0	272.0	294.4	421.5	456.9	412.9	8.6	96.7	99.7	18.4
SMDH 00160	813778.8	8194707.9	167.8	5	6	85	2529.9	4147.2	2021.9	118.0	627.8	115.7	334.0	211.8	344.9	373.2	779.0	835.0	766.6	12.4	139.6	155.3	24.5
SMDH 00160	813778.8	8194707.9	167.8	6	7	85	1687.2	3366.4	1172.8	76.0	773.8	112.7	325.4	206.3	335.9	363.6	457.2	492.3	449.3	7.9	104.2	111.2	19.9
SMDH 00160	813778.8	8194707.9	167.8	7	8	98	1590.9	2918.0	1167.9	72.8	624.8	88.2	254.8	161.6	263.1	284.8	547.7	581.4	539.5	8.1	123.7	135.0	16.8
SMDH 00160	813778.8	8194707.9	167.8	8	9	85	1681.7	2974.0	1260.6	91.8	566.2	88.5	255.5	162.0	263.8	285.6	566.0	607.8	553.6	12.4	134.5	137.6	16.8
SMDH 00160	813778.8	8194707.9	167.8	9	10	50	1485.3	2680.1	1091.6	84.3	540.8	80.8	233.2	147.9	240.8	260.6	516.0	554.8	505.5	10.5	121.4	124.7	16.8
SMDH 00161	813661.6	8194706.4	166.0	0	1	40	1725.3	3792.4	854.1	145.8	1627.0	97.7	282.2	178.9	291.3	315.3	533.5	600.7	512.3	21.2	153.7	131.2	18.4
SMDH 00161	813661.6	8194706.4	166.0	1	2	70	1499.7	3453.5	819.5	144.0	994.4	125.4	362.1	229.6	373.8	404.6	516.9	583.3	500.1	16.8	129.0	118.6	32.1
SMDH 00161	813661.6	8194706.4	166.0	2	3	75	1200.7	2895.3	695.2	101.2	642.1	122.1	352.7	223.6	364.2	394.2	428.6	475.5	416.8	11.8	111.9	107.5	21.4
SMDH 00161	813661.6	8194706.4	166.0	3	4	75	1351.6	2904.8	812.2	165.1	602.2	111.1	320.9	203.5	331.3	358.6	463.0	539.8	441.5	21.5	148.9	122.0	26.0
SMDH 00161	813661.6	8194706.4	166.0	4	5	90	1693.9	3188.3	1209.1	124.7	579.1	106.9	308.8	195.8	318.8	345.1	427.5	485.6	413.2	14.3	117.2	105.8	26.0
SMDH 00161	813661.6	8194706.4	166.0	5	6	85	1876.3	3533.1	1322.3	148.5	665.0	117.2	338.3	214.5	349.3	378.1	555.9	624.5	536.7	19.2	156.9	142.7	26.0
SMDH 00161	813661.6	8194706.4	166.0	6	7	80	2083.9	4216.1	1384.8	131.1	1023.3	140.6	406.0	257.4	419.2	453.7	430.4	491.0	413.9	16.5	125.2	110.5	24.5
SMDH 00161	813661.6	8194706.4	166.0	7	8	95	1372.3	2706.0	979.3	110.1	376.8	103.9	300.2	190.3	309.9	335.4	308.9	360.4	297.3	11.6	90.8	79.9	26.0
SMDH 00161	813661.6	8194706.4	166.0	8	9	60	1546.6	3210.6	963.6	129.3	836.3	107.4	310.2	196.7	320.3	346.7	435.1	495.6	419.8	15.3	122.3	107.9	24.5
SMDH 00161	813661.6	8194706.4	166.0	9	10	80	1702.4	3279.7	1098.3	151.9	872.9	97.0	280.0	177.5	289.1	312.9	489.5	559.3	469.6	19.9	138.9	120.9	27.6
SMDH 00161	813661.6	8194706.4	166.0	10	11	95	2021.4	3794.1	1368.1	166.5	903.7	113.7	328.2	208.1	338.9	366.8	627.8	704.8	606.3	21.5	171.8	155.4	29.1
SMDH 00161	813661.6	8194706.4	166.0	11	12	95	2183.0	4115.8	1519.3	153.0	912.4	128.4	370.7	235.0	382.8	414.3	699.8	770.0	680.1	19.8	180.9	175.4	29.1
SMDH 00161	813661.6	8194706.4	166.0	12	12.5	75	1818.5	3402.9	1250.1	114.5	875.7	97.5	281.5	178.5	290.6	314.5	472.5	525.6	458.3	14.2	125.4	116.9	21.4
SMDH 00161	813661.6	8194706.4	166.0	12.5	13	75	1818.5	3402.9	1250.1	114.5	875.7	97.5	281.5	178.5	290.6	314.5	472.5	525.6	458.3	14.2	125.4	116.9	21.4
SMDH 00162	813538.1	8194704.1	164.6	0	1	25	1902.1	4117.9	888.6	107.4	2211.1	76.4	220.5	139.8	227.7	246.4	529.9	578.8	514.6	15.3	144.9	141.1	16.8
SMDH 00162	813538.1	8194704.1	164.6	1	2	30	2315.3	4390.1	1628.6	121.9	1039.8	134.1	387.3	245.6	399.9	432.9	491.8	548.4	477.3	14.5	135.1	128.4	24.5
SMDH 00162	813538.1	8194704.1	164.6	2	3	50	2908.8	4465.3	2367.6	86.8	891.3	93.9	271.1	171.9	279.9	302.9	438.0	478.2	428.2	9.7	110.9	112.7	19.9
SMDH 00162	813538.1	8194704.1	164.6	3	4	60	1811.3	3371.6	1259.6	127.1	781.2	100.9	291.4	184.8	300.9	325.7	495.5	553.6	478.1	17.4	138.0	125.9	21.4
SMDH 00162	813538.1	8194704.1	164.6	4	5	70	2441.0	3987.0	1872.8	145.1	782.8	99.5	287.2	182.1	296.5	321.0	486.5	553.7	467.7	18.8	145.0	126.6	24.5
SMDH 00162	813538.1	8194704.1	164.6	5	6	60	2163.8	3993.4	1485.8	163.0	978.7	114.5	330.7	209.7	341.5	369.6	546.1	621.2	524.0	22.1	165.5	144.1	26.0
SMDH 00162	813538.1	8194704.1	164.6	6	7	60	1777.2	3455.2	1220.8	141.2	689.9	117.7	339.8	215.4	350.8	379.7	542.9	606.6	523.2	19.7	137.4	126.7	26.0
SMDH 00162	813538.1	8194704.1	164.6	7	8	80	1471.2	2785.1	969.7	151.1	632.0	86.6	249.9	158.5	258.1	279.3	448.4	517.1	426.1	22.3	132.7	106.7	21.4
SMDH 00162	813538.1	8194704.1	164.6	8	9	85	1656.4	3001.7	1153.7	148.5	630.5	89.6	258.8	164.1	267.2	289.2	436.1	503.5	413.7	22.4	131.0	104.6	19.9
SMDH 00162	813538.1	8194704.1	164.6	9	10	60	1560.3	2758.4	1127.6	121.4	546.5	80.7	233.1	147.8	240.7	260.5	488.0	543.6	471.7	16.3	124.3	114.6	21.4
SMDH 00162	813538.1	8194704.1	164.6	10	11	90	1701.9	3242.7	1159.9	153.2	660.7	106.4	307.2	194.8	317.2	343.3	464.6	534.1	443.0	21.6	130.1	109.4	26.0
SMDH 00162	813538.1	8194704.1	164.6	11	12	70	2577.4	3879.6	2121.5	130.8	545.8	90.7	261.9	166.0	270.4	292.6	369.2	428.6	350.6	18.6	114.0	94.5	21.4
SMDH 00162	813538.1	8194704.1	164.6	12	13	50	1210.8	2427.0	756.8	124.9	602.2	79.1	228.3	144.8	235.8	255.2	364.5	421.1	345.9	18.6	114.1	94.4	18.4
SMDH 00162	813538.1	8194704.1	164.6	13	14	60	1534.0	2777.9	1106.3	124.2	495.9	88.2	254.6	161.4	262.9	284.5	366.6	423.2	349.0	17.6	112.7	94.5	19.9
SMDH 00162	813538.1	8194704.1	164.6	14	15	95	2420.5	4051.8	1845.1	159.0	716.7	111.6	322.2	204.3	332.7	360.1	455.7	527.9	433.1	22.6	140.8	118.6	26.0
SMDH 00162	813538.1	8194704.1	164.6	15	16	70	1809.8	3548.6	1286.6	139.7	544.9	132.3	381.9	242.1	394.3	426.8	427.4	491.0	407.3	20.0	132.5	113.2	21.4
SMDH 00163	813415.2	8194700.0	163.3	0	1	40	2053.8	4114.0	1103.4	140.3	1938.4	78.1	225.6	143.1	233.0	252.1	674.5	738.1	652.7	21.9	181.2	167.5	16.8
SMDH 00163	813415.2	8194700.0	163.3	1	2	60	3868.9	5318.7	3342.2	140.2	696.5	95.6	275.9	175.0	284.9	308.4	438.8	504.4	421.2	17.6	135.3	114.1	23.0
SMDH 00163	813415.2	8194700.0	163.3	2	3	50	5346.4	5929.4	5137.8	56.6	267.5	39.2	113.2	71.8	116.9	126.5	161.0	187.6	154.8	6.2	46.8	40.2	12.2
SMDH 00163	813415.2	8194700.0	163.3	3	4	90	1864.0	3630.1	1329.1	102.0	710.8	124.8	360.3	228.5	372.0	402.6	548.7	596.2	537.9	10.9	131.7	136.0	24.5
SMDH 00163	813415.2	8194700.0	163.3	4	5	95	1545.5	3120.7	1082.2	103.5	538.7	117.1	338.1	214.4	349.1	377.8	409.2	457.4	396.8	12.5	109.8	101.6	19.9
SMDH 00163	813415.2	8194700.0	163.3	5	6	90	1856.7	3682.2	1257.8	150.0	740.3	128.6	371.4	235.5	383.5	415.1	553.0	622.6	534.8	18.2	151.7	137.5	29.1
SMDH 00163	813415.2	8194700.0	163.3	6	7	95	1738.3	3628.0	1082.5	221.7	655.2	139.9	404.0	256.1	417.1	451.4	461.7	563.9	431.7	29.9	163.5	119.5	35.2
SMDH 00163	813415.2	8194700.0	163.3	7	8	90	1984.9	3758.1	1365.2	148.3	847.2	117.2	338.3	214.5	349.3	378.1	472.6	541.7	454.1	18.5	142.9	123.2	26.0
SMDH 00163	813415.2	8194700.0	163.3	8	9	85	1710.7	3130.8	1223.1	123.2	630.9	96.7	279.3	177.1	288.4	312.1	291.7	349.2	276.4	15.3	96.8	74.9	21.4
SMDH 00163	813415.2	8194700.0	163.3	9	10	95	1558.3	3104.8	1015.3	123.0	771.4	100.2	289.4	183.5	298.8	323.4	367.8	424.5	351.2	16.6	113.1	94.3	19.9
SMDH 00163	813415.2	8194700.0	163.3	10	11	85	1824.6	3486.5	1258.3	131.9	767.3	111.4	321.8	204.0	332.2	359.6	421.4	482.8	404.5	16.9	128.3	108.5	21.4
SMDH 00163	813415.2	8194700.0	163.3	11	12	85	1770.2	3338.9	1218.7	144.9	711.7	105.9	305.9	194.0	315.9	341.9	409.8	477.5	391.2	18.6	130.0	104.8	23.0
SMDH 00163	813415.2	8194700.0	163.3	12	13	95	1154.3	2232.6	775.8	97.7	494.0	72.5	209.5	132.8	216.3	234.1	307.3	352.6	294.3	13.0	94.4	79.2	15.3
SMDH 00163	813415.2	8194700.0	163.3	13	14	85	1332.7	2658.6	881.5	124.3	540.8	93.2	269.2	170.7	278.0	300.8	348.5	405.8	330.8	17.7	111.9	88.0	16.8
SMDH 00163	813415.2	8194700.0	163.3	14	15	85	1541.9	3035.2	991.3	150.5	724.9	98.0	282.9	179.4	292.1	316.1	394.3	464.0	375.0	19.3	125.5	100.1	26.0
SMDH 00164	813289.4	8194707.1	161.3	0	1	10	1829.6	4114.9	1027.3	122.7	1354.1	135.1	390.0	247.3	402.7	435.8	586.1	641.1	567.3	18.8	162.8	158.2	18.4
SMDH 00164	813289.4	8194707.1	161.3	1	2	50	1774.0	3293.5	1252.8	131.7	673.9	103.6	299.0	189.6	308.8	334.2	416.7	477.1	400.9	15.8	121.5	111.9	29.1
SMDH 00164	813289.4	8194707.1	161.3	2	3	20	2540.8	3640.3	2120.3	143.1	471.5	75.9	219.2	139.0	226.4	245.0	325.9	391.9	309.7	16.1	101.9	86.2	33.7
SMDH 00164	813289.4	8194707.1	161.3	3	4	30	1832.7	2914.0	1502.0	95.4	326.8	83.0	239.6	151.9	247.4	267.8	210.6	255.0	200.4	10.2	63.6	52.2	23.0
SMDH 00164	813289.4	8194707.1	161.3	4	5	30	1690.2	3227.7	1159.2	159.3	600.4	109.7	316.9	200.9	327.2	354.1	344.9	419.3	328.8	16.1	104.2	86.2	39.8
SMDH 00164	813289.4	8194707.1	161.3	5	6	80	1307.9	2361.0	987.6	83.6	346.4	79.1	228.4	144.8	235.9	255.3	191.8	230.9	184.4	7.4	53.2	47.5	24.5
SMDH 00164	813289.4	8194707.1	161.3	6	7	60	1449.3	2813.4	1003.0	144.3	431.3	103.5	299.0	189.6	308.7	334.1	371.7	438.9	356.5	15.2	111.9	97.9	35.2
SMDH 00164	813289.4	8194707.1	161.3	7	8	100	1295.8	2829.3	854.3	123.0	409.1	121.0	349.4	221.5	360.7	390.4	306.1	363.2	293.2	12.9	92.4	80.4	30.6
SMDH 00164	813289.4	8194707.1	161.3	8	9	100	1101.7	2507.9	694.1	110.0	395.0	109.7	316.9	200.9	327.2	354.1	344.5	395.5	332.0	12.5	97.8	88.2	24.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00164	813289.4	8194707.1	161.3	9	10	80	1240.8	2615.9	862.7	80.4	410.2	105.9	305.7	193.8	315.6	341.6	443.4	480.6	434.7	8.7	107.4	112.4	19.9
SMDH 00164	813289.4	8194707.1	161.3	10	11	70	1433.0	2841.5	1037.3	100.3	385.7	110.5	319.1	202.3	329.5	356.6	396.5	442.6	385.7	10.9	101.7	101.2	26.0
SMDH 00164	813289.4	8194707.1	161.3	11	12	100	1330.9	3039.1	817.0	126.4	574.2	127.6	368.4	233.6	380.4	411.7	341.8	401.0	329.4	12.4	95.1	84.7	32.1
SMDH 00164	813289.4	8194707.1	161.3	12	13	90	1611.5	3392.4	1050.6	145.2	641.3	130.4	376.5	238.8	388.8	420.8	483.4	550.5	463.9	19.5	141.6	120.1	23.0
SMDH 00164	813289.4	8194707.1	161.3	13	14	100	1610.2	3382.3	993.4	195.8	664.6	128.2	370.1	234.6	382.1	413.5	448.9	539.1	422.6	26.3	150.1	112.8	32.1
SMDH 00164	813289.4	8194707.1	161.3	14	15	60	2074.6	3927.8	1380.1	263.2	662.8	136.0	392.6	248.9	405.4	438.8	650.9	770.6	613.2	37.6	213.6	166.0	41.3
SMDH 00165	813177.2	8194700.3	161.8	0	1	40	2157.3	3872.4	1334.1	130.8	1679.1	61.1	176.4	111.8	182.1	197.1	863.0	921.4	841.5	21.5	217.5	219.7	15.3
SMDH 00165	813177.2	8194700.3	161.8	1	2	50	990.7	2326.4	536.6	72.5	734.5	82.4	237.9	150.9	245.7	265.9	293.2	326.6	284.5	8.7	77.8	74.1	15.3
SMDH 00165	813177.2	8194700.3	161.8	2	3	70	2143.9	3415.7	1735.0	67.9	618.5	83.4	240.7	152.6	248.6	269.0	243.8	275.2	236.5	7.3	62.5	60.2	16.8
SMDH 00165	813177.2	8194700.3	161.8	3	4	80	1309.5	2790.2	800.3	103.0	753.9	95.0	274.3	173.9	283.3	306.6	334.5	381.7	322.2	12.4	92.0	84.4	23.0
SMDH 00165	813177.2	8194700.3	161.8	4	5	85	1127.0	2629.8	671.2	76.4	645.1	103.7	299.5	189.9	309.3	334.7	263.5	298.8	254.7	8.8	72.3	66.7	16.8
SMDH 00165	813177.2	8194700.3	161.8	5	6	90	1326.4	2540.7	951.6	58.6	556.4	81.7	235.9	149.5	243.5	263.6	204.4	231.9	198.3	6.1	54.6	50.5	13.8
SMDH 00165	813177.2	8194700.3	161.8	6	7	85	1044.0	2268.3	675.2	57.9	532.2	84.1	242.8	154.0	250.7	271.3	94.7	121.8	89.5	5.1	29.8	22.7	16.8
SMDH 00165	813177.2	8194700.3	161.8	7	8	95	1237.7	2316.6	913.8	86.4	336.6	82.1	237.2	150.4	244.9	265.1	137.3	177.6	127.1	10.2	52.9	34.9	16.8
SMDH 00165	813177.2	8194700.3	161.8	8	9	85	1152.4	2041.3	857.4	83.7	334.2	64.2	185.5	117.6	191.5	207.3	167.4	206.0	155.8	11.6	60.8	41.2	12.2
SMDH 00166	813057.0	8194698.8	161.6	0	1	30	1739.5	3007.1	1169.3	111.0	1050.3	56.7	163.8	103.9	169.1	183.0	720.7	770.6	702.6	18.1	187.9	187.2	12.2
SMDH 00166	813057.0	8194698.8	161.6	1	2	80	1446.5	2427.9	1142.8	62.1	399.1	69.1	199.5	126.5	206.0	222.9	274.7	303.3	267.4	7.3	70.4	68.3	13.8
SMDH 00166	813057.0	8194698.8	161.6	2	3	75	2489.5	4182.1	1870.1	91.1	1093.4	94.5	273.0	173.1	281.8	305.0	223.0	265.6	213.0	10.1	69.2	56.7	19.9
SMDH 00166	813057.0	8194698.8	161.6	3	4	80	1403.2	3014.1	938.3	141.8	387.6	129.7	374.4	237.4	386.6	418.4	165.2	232.7	151.8	13.4	72.4	45.6	33.7
SMDH 00166	813057.0	8194698.8	161.6	4	5	90	1048.4	2225.1	718.3	62.6	397.7	87.7	253.4	160.7	261.6	283.1	245.4	274.7	238.9	6.5	64.0	61.6	15.3
SMDH 00166	813057.0	8194698.8	161.6	5	6	95	822.8	1751.1	574.4	51.0	264.2	72.2	208.6	132.3	215.4	233.1	144.5	168.2	138.6	5.8	42.3	35.8	10.7
SMDH 00166	813057.0	8194698.8	161.6	6	7	85	1574.0	3265.4	1022.8	106.4	790.7	112.8	325.8	206.5	336.4	364.0	298.9	348.9	287.4	11.6	90.2	78.1	23.0
SMDH 00166	813057.0	8194698.8	161.6	7	8	85	1482.4	3080.9	1036.8	95.5	491.7	122.1	352.7	223.6	364.2	394.2	244.4	289.4	234.9	9.5	73.7	62.3	23.0
SMDH 00166	813057.0	8194698.8	161.6	8	9	85	1708.3	3085.4	1173.8	215.9	485.6	101.5	293.0	185.8	302.5	327.4	508.5	608.3	479.0	29.5	174.4	130.6	32.1
SMDH 00166	813057.0	8194698.8	161.6	9	10	80	1394.9	2970.3	840.3	193.9	541.8	116.9	337.6	214.1	348.6	377.3	455.2	544.3	429.5	25.6	149.9	115.6	33.7
SMDH 00166	813057.0	8194698.8	161.6	10	11	90	1401.7	2882.2	955.0	127.3	438.2	114.2	329.7	209.0	340.4	368.4	342.5	401.5	326.4	16.1	107.1	87.4	23.0
SMDH 00166	813057.0	8194698.8	161.6	11	12	90	1514.2	3274.9	967.6	176.1	487.1	137.8	398.1	252.4	411.0	444.8	465.5	547.2	443.1	22.4	147.1	118.5	30.6
SMDH 00166	813057.0	8194698.8	161.6	12	13	75	1437.4	3255.8	844.9	176.9	622.6	135.1	390.1	247.4	402.8	436.0	468.2	550.0	445.3	22.9	145.3	116.8	30.6
SMDH 00166	813057.0	8194698.8	161.6	13	14	90	1498.2	3126.3	947.2	196.6	493.0	124.9	360.6	228.7	372.4	403.0	472.0	562.3	444.4	27.7	155.7	117.5	29.1
SMDH 00166	813057.0	8194698.8	161.6	14	15	95	1764.2	3585.9	981.2	341.9	713.8	129.9	375.0	237.8	387.2	419.1	426.5	585.7	380.5	46.0	203.4	113.4	49.0
SMDH 00166	813057.0	8194698.8	161.6	15	16	80	1515.1	2822.4	1046.1	163.2	473.1	95.6	276.0	175.0	285.0	308.4	312.1	387.0	290.6	21.5	108.9	76.9	29.1
SMDH 00166	813057.0	8194698.8	161.6	16	17	90	1770.7	3599.3	1146.6	174.1	742.4	128.8	371.9	235.8	384.0	415.6	551.5	630.8	527.6	23.9	157.9	135.8	30.6
SMDH 00166	813057.0	8194698.8	161.6	17	18	95	1988.1	3499.2	1504.9	97.4	664.0	103.4	298.5	189.3	308.2	333.6	686.0	730.5	673.6	12.4	162.1	172.3	19.9
SMDH 00166	813057.0	8194698.8	161.6	18	19	90	1968.0	3248.5	1569.3	85.7	512.3	90.7	261.8	166.0	270.3	292.5	499.5	538.9	488.8	10.8	125.0	127.2	16.8
SMDH 00167	812936.7	8194703.4	159.8	0	1	60	947.4	1936.9	559.9	90.7	595.5	57.9	167.2	106.0	172.7	186.9	300.1	342.0	287.7	12.4	88.4	74.4	13.8
SMDH 00167	812936.7	8194703.4	159.8	1	2	70	1389.6	2821.3	874.2	148.9	632.7	97.7	282.2	178.9	291.3	315.3	387.1	455.5	366.9	20.1	123.4	96.8	24.5
SMDH 00167	812936.7	8194703.4	159.8	2	3	75	1250.8	2653.9	744.3	159.4	576.5	98.4	284.2	180.2	293.4	317.6	347.8	421.3	324.7	23.1	125.7	87.0	19.9
SMDH 00167	812936.7	8194703.4	159.8	3	4	70	3371.5	4406.9	3019.2	127.7	311.0	79.6	229.8	145.7	237.3	256.8	237.4	296.8	220.2	17.1	90.3	59.1	18.4
SMDH 00167	812936.7	8194703.4	159.8	4	5	75	1536.4	3062.5	1044.6	166.9	435.8	118.7	342.6	217.2	353.8	382.9	316.2	393.4	293.8	22.4	117.0	79.4	26.0
SMDH 00167	812936.7	8194703.4	159.8	5	6	60	1065.6	2333.3	631.4	159.3	380.1	97.5	281.5	178.5	290.6	314.5	271.4	345.9	250.5	20.9	107.9	67.7	23.0
SMDH 00167	812936.7	8194703.4	159.8	6	7	80	1412.7	3143.2	820.8	204.7	562.2	130.4	376.6	238.8	388.9	420.9	384.3	479.5	358.0	26.3	140.3	95.4	33.7
SMDH 00167	812936.7	8194703.4	159.8	7	8	85	1186.6	2579.3	639.8	152.4	753.8	86.6	250.2	158.6	258.3	279.6	306.4	376.9	284.8	21.6	112.7	75.2	19.9
SMDH 00167	812936.7	8194703.4	159.8	8	9	70	1396.0	2939.2	808.3	228.6	551.5	113.3	327.0	207.4	337.7	365.5	358.6	465.5	328.3	30.3	153.5	94.3	32.1
SMDH 00167	812936.7	8194703.4	159.8	9	10	80	1127.8	2632.8	612.7	175.5	499.3	112.8	325.7	206.5	336.3	363.9	335.8	417.0	312.3	23.5	118.3	79.1	27.6
SMDH 00167	812936.7	8194703.4	159.8	10	11	85	1361.9	3234.2	743.6	213.9	555.2	144.3	416.8	264.3	430.3	465.7	397.9	497.1	370.4	27.4	142.8	97.8	36.7
SMDH 00167	812936.7	8194703.4	159.8	11	12	90	1166.5	2917.0	540.4	117.9	992.1	106.2	306.6	194.4	316.6	342.7	324.6	379.4	310.4	14.2	93.8	76.9	23.0
SMDH 00167	812936.7	8194703.4	159.8	12	13	90	1131.1	2768.6	540.1	145.9	818.1	106.0	306.2	194.1	316.1	342.1	303.5	370.3	283.6	19.9	103.2	74.2	24.5
SMDH 00167	812936.7	8194703.4	159.8	13	14	90	1211.3	2561.4	695.3	146.4	684.1	86.8	250.7	159.0	258.9	280.2	334.2	401.0	312.1	22.1	116.4	82.8	18.4
SMDH 00167	812936.7	8194703.4	159.8	14	15	95	1227.7	2691.6	656.0	156.6	794.3	91.0	262.7	166.5	271.2	293.5	350.8	423.2	328.4	22.4	124.5	87.8	19.9
SMDH 00167	812936.7	8194703.4	159.8	15	16	90	1278.4	2907.3	694.3	144.9	800.9	106.2	306.8	194.5	316.8	342.9	361.0	428.1	341.2	19.8	118.6	89.0	21.4
SMDH 00167	812936.7	8194703.4	159.8	16	17	95	1357.4	2600.0	1009.8	65.6	417.9	92.8	267.9	169.9	276.6	299.4	334.3	365.2	327.6	6.7	79.2	78.8	15.3
SMDH 00167	812936.7	8194703.4	159.8	17	18	95	1111.7	1795.2	932.1	48.0	144.5	56.2	162.4	102.9	167.6	181.4	318.6	340.8	313.1	5.4	72.7	74.7	10.7
SMDH 00167	812936.7	8194703.4	159.8	18	19	95	1005.0	1409.0	882.2	37.4	113.1	31.5	91.1	57.8	94.1	101.8	328.1	345.4	323.6	4.5	70.9	76.3	7.7
SMDH 00167	812936.7	8194703.4	159.8	19	20	90	1313.1	2845.0	783.4	156.0	610.3	108.6	313.6	198.8	323.8	350.4	402.0	473.4	381.5	20.5	120.5	97.4	29.1
SMDH 00167	812936.7	8194703.4	159.8	20	21	98	1292.8	3010.0	771.0	168.4	445.9	136.2	393.3	249.4	406.1	439.6	399.3	476.8	377.4	21.8	125.5	96.5	30.6
SMDH 00167	812936.7	8194703.4	159.8	21	22	85	1643.8	3652.2	967.4	234.1	626.9	152.9	441.6	280.0	455.9	493.5	539.8	648.8	510.7	29.1	173.4	131.2	41.3
SMDH 00167	812936.7	8194703.4	159.8	22	23	80	1668.4	3206.1	1060.2	231.1	619.9	108.6	313.5	198.8	323.7	350.4	605.3	713.1	578.2	27.1	178.8	145.9	45.9
SMDH 00168	812824.5	8194674.6	159.1	0	1	20	1401.3	3223.2	780.6	140.1	857.2	121.2	349.9	221.9	361.3	391.0	422.5	487.3	403.1	19.4	128.4	102.7	19.9
SMDH 00168	812824.5	8194674.6	159.1	1	2	60	1352.1	3257.2	765.6	140.1	692.2	139.1	401.7	254.7	414.8	448.9	364.1	429.4	347.1	17.0	112.4	89.7	26.0
SMDH 00168	812824.5	8194674.6	159.1	2	3	60	1022.0	2351.7	606.3	97.9	505.9	95.7	276.4	175.3	285.4	308.9	274.3	319.7	262.2	12.1	81.2	66.6	18.4
SMDH 00168	812824.5	8194674.6	159.1	3	4	75	1128.0	2724.4	641.8	59.6	771.4	104.9	303.0	192.1	312.9	338.6	339.2	366.5	332.3	6.9	79.5	82.2	13.8
SMDH 00168	812824.5	8194674.6	159.1	4	5	95	1208.9	2784.2	799.4	52.9	527.0	117.8	340.2	215.7	351.2	380.1	374.1	398.0	366.6	7.5	88.3	91.2	9.2
SMDH 00168	812824.5	8194674.6	159.1	5	6	85	1608.7	3004.6	1223.3	62.6	491.5	102.9	297.1	188.4	306.8	332.0	400.7	429.0	391.0	9.7	104.9	103.6	7.7
SMDH 00168	812824.5	8194674.6	159.1	6	7	85	1397.8	2864.4	1010.2	61.2	470.4	110.9	320.2	203.1	330.7	357.9	376.4	404.3	368.1	8.3	95.9	96.6	10.7
SMDH 00168	812824.5	8194674.6	159.1	7	8	85	1667.6	3239.1	1171.8	161.1	448.7	122.2	352.9	223.7	364.3	394.3	464.3	538.3	441.0	23.3	150.2	119.8	21.4
SMDH 00168	812824.5	8194674.6	159.1	8	9	70	1163.7	2549.4	789.3	43.5	525.9	99.8	288.2	182.8	297.6	322.1	372.1	392.0	367.1	5.0	84.3	93.3	10.7
SMDH 00168	812824.5	8194674.6	159.1	9	10	85	944.4	2055.5	635.0	31.3	468.2	77.2	223.0	141.4	230.2	249.2	97.1	111.5	94.5	2.6	24.9	24.6	10.7
SMDH 00168	812824.5	8194674.6	159.1	10	11	95	1497.4	2167.5	1302.9	35.5	250.7	48.5	140.0	88.8	144.6	156.5	249.1	265.3	245.2	3.8	57.3	61.5	9.2
SMDH 00168	812824.5	8194674.6	159.1	11	12	90	1234.1	2595.1	859.9	50.8	510.7	98.4	284.2	180.2	293.4	317.6	200.6	224.1	195.1	5.5	51.0	49.1	12.2
SMDH 00168	812824.5	8194674.6	159.1	12	13	85	1122.1	1937.9	900.9	55.5	203.5	65.2	188.4	119.4	194.5	210.5	255.4	280.9	248.3	7.0	67.8	64.2	10.7
SMDH 00169	812697.6	8194705.5	159.3	0	1	85	1164.1	2663.2	629.6	110.2	810.2	93.3	269.5	170.9	278.3	301.2	353.8	404.3	337.5	16.3	110.2	90.2	13.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00169	812697.6	8194705.5	159.3	1	2	60	1292.2	3167.0	680.5	143.4	786.5	130.5	376.9	239.0	389.1	421.1	357.8	424.7	340.7	17.2	112.4	89.5	27.6
SMDH 00169	812697.6	8194705.5	159.3	2	3	50	803.5	1952.5	440.5	91.8	424.5	83.5	241.1	152.8	248.9	269.4	212.4	255.3	201.2	11.2	70.1	53.4	16.8
SMDH 00169	812697.6	8194705.5	159.3	3	4	50	1097.2	2807.3	610.9	127.2	470.0	134.1	387.2	245.5	399.8	432.7	347.0	406.4	331.9	15.1	106.3	86.9	24.5
SMDH 00169	812697.6	8194705.5	159.3	4	5	75	1030.6	2428.8	592.5	94.7	565.6	98.6	284.7	180.5	294.0	318.2	336.8	380.4	324.9	11.9	92.6	83.1	18.4
SMDH 00169	812697.6	8194705.5	159.3	5	6	75	1402.5	2520.5	1044.5	102.9	381.0	83.2	240.2	152.3	248.0	268.4	250.6	298.5	238.3	12.3	78.2	61.7	19.9
SMDH 00169	812697.6	8194705.5	159.3	6	7	70	2404.3	3292.4	2077.3	105.7	370.3	62.0	178.9	113.4	184.7	199.9	306.8	356.2	293.3	13.5	96.3	77.6	16.8
SMDH 00169	812697.6	8194705.5	159.3	7	8	90	1655.8	2674.1	1334.3	99.8	308.8	78.1	225.5	143.0	232.8	252.0	336.8	383.5	324.4	12.5	100.2	86.7	16.8
SMDH 00169	812697.6	8194705.5	159.3	8	9	85	1217.4	2268.9	915.1	87.4	267.3	83.8	241.9	153.4	249.7	270.3	313.6	354.2	303.0	10.5	88.2	78.8	16.8
SMDH 00169	812697.6	8194705.5	159.3	9	10	80	1226.4	2483.9	793.0	133.7	474.9	90.7	262.0	166.1	270.5	292.8	326.1	388.3	309.5	16.6	104.6	81.8	24.5
SMDH 00170	812583.2	8194701.8	159.1	0	1	20	1087.8	2674.4	610.2	123.7	511.4	119.8	346.0	219.4	357.2	386.6	246.0	304.1	231.1	14.9	90.0	63.9	21.4
SMDH 00170	812583.2	8194701.8	159.1	1	2	60	1731.1	3487.9	1181.3	138.1	638.6	128.3	370.4	234.8	382.4	413.9	308.6	373.2	292.2	16.5	102.9	78.4	26.0
SMDH 00170	812583.2	8194701.8	159.1	2	3	50	876.1	2157.9	438.4	98.7	606.4	85.1	245.6	155.7	253.6	274.5	225.0	271.8	215.3	9.7	68.4	53.8	23.0
SMDH 00170	812583.2	8194701.8	159.1	3	4	70	1104.6	2636.4	601.9	106.8	691.2	103.7	299.4	189.8	309.1	334.5	327.0	376.7	314.8	12.1	93.8	81.3	23.0
SMDH 00170	812583.2	8194701.8	159.1	4	5	75	1298.3	3205.0	663.9	126.2	916.1	125.7	362.9	230.1	374.7	405.5	353.4	412.7	339.4	14.0	105.8	87.6	26.0
SMDH 00170	812583.2	8194701.8	159.1	5	6	60	2041.8	4490.7	1110.6	136.4	1693.1	130.0	375.4	238.0	387.6	419.5	603.1	666.2	585.8	17.3	161.7	153.6	24.5
SMDH 00170	812583.2	8194701.8	159.1	6	7	60	1034.2	2296.3	634.0	74.3	568.2	85.5	246.9	156.5	254.9	275.9	353.6	387.7	344.3	9.3	91.9	90.7	15.3
SMDH 00170	812583.2	8194701.8	159.1	7	8	85	1324.3	2662.1	927.8	74.0	519.0	95.7	276.3	175.2	285.3	308.8	395.8	429.7	386.6	9.2	97.9	99.0	15.3
SMDH 00170	812583.2	8194701.8	159.1	8	9	80	2767.6	3914.0	2465.2	41.8	387.2	85.5	246.9	156.5	254.9	275.9	337.4	356.5	332.7	4.7	74.8	84.1	10.7
SMDH 00170	812583.2	8194701.8	159.1	9	10	75	2922.2	4009.5	2603.9	60.9	404.5	78.8	227.6	144.3	235.0	254.4	357.9	385.8	351.2	6.7	85.0	90.6	15.3
SMDH 00170	812583.2	8194701.8	159.1	10	11	95	1717.7	2983.5	1340.1	58.9	539.9	87.6	252.9	160.4	261.1	282.6	419.0	445.2	410.8	8.3	98.8	105.8	12.2
SMDH 00170	812583.2	8194701.8	159.1	11	12	90	1198.0	2542.2	800.7	60.4	567.8	93.3	269.5	170.9	278.3	301.2	374.9	402.4	368.0	6.9	88.2	94.4	15.3
SMDH 00170	812583.2	8194701.8	159.1	12	13	98	997.9	2168.1	596.3	55.4	687.2	69.5	200.8	127.3	207.3	224.3	300.9	326.3	295.2	5.7	70.2	74.7	15.3
SMDH 00170	812583.2	8194701.8	159.1	13	14	90	757.6	1711.2	438.0	59.2	480.6	61.5	177.6	112.6	183.3	198.4	244.2	271.2	236.7	7.4	64.9	61.8	12.2
SMDH 00170	812583.2	8194701.8	159.1	14	15	95	1021.1	2194.4	655.1	54.3	560.0	77.6	223.9	142.0	231.2	250.3	262.6	287.5	256.7	5.9	64.2	65.7	13.8
SMDH 00170	812583.2	8194701.8	159.1	15	16	95	1020.8	2441.4	647.7	45.8	495.9	105.0	303.1	192.2	313.0	338.7	269.2	289.8	263.4	5.8	65.5	67.9	10.7
SMDH 00170	812583.2	8194701.8	159.1	16	17	80	1089.6	2401.1	793.8	45.2	270.4	108.3	312.7	198.3	322.9	349.5	283.0	303.7	278.1	4.9	66.4	71.6	12.2
SMDH 00171	814549.7	8194833.3	171.5	0	1	30	1237.2	3155.8	684.9	134.0	583.8	147.0	424.5	269.1	438.3	474.3	347.1	409.8	332.4	14.8	104.1	87.9	29.1
SMDH 00171	814549.7	8194833.3	171.5	1	2	30	2035.8	5663.5	1269.8	193.7	308.5	326.3	942.2	597.4	972.8	1052.9	156.8	248.4	137.7	19.1	85.0	45.3	45.9
SMDH 00171	814549.7	8194833.3	171.5	2	3	30	1492.9	6399.5	480.5	162.7	692.5	424.6	1226.0	777.4	1265.9	1370.1	259.5	335.0	242.6	17.0	91.1	67.7	41.3
SMDH 00171	814549.7	8194833.3	171.5	3	4	50	1823.0	3493.3	1199.8	103.9	1071.7	93.7	270.7	171.6	279.5	302.5	351.6	399.5	339.0	12.6	92.4	83.9	21.4
SMDH 00171	814549.7	8194833.3	171.5	4	5	85	1926.1	3636.8	1377.5	156.0	591.7	126.7	366.0	232.1	377.9	409.0	421.5	494.0	405.0	16.5	117.0	103.8	38.3
SMDH 00171	814549.7	8194833.3	171.5	5	6	65	1921.4	3573.5	1321.3	166.4	769.3	110.4	318.7	202.1	329.1	356.2	368.7	445.7	350.8	17.9	109.6	91.4	41.3
SMDH 00171	814549.7	8194833.3	171.5	6	7	80	1927.7	3605.0	1315.0	194.2	701.8	116.9	337.5	214.0	348.5	377.2	342.8	432.1	319.7	23.1	115.3	84.9	42.9
SMDH 00171	814549.7	8194833.3	171.5	7	8	90	1727.8	3221.4	1191.8	163.4	624.7	104.1	300.6	190.6	310.3	335.9	295.9	370.9	277.0	18.9	97.0	74.4	38.3
SMDH 00171	814549.7	8194833.3	171.5	8	9	80	2090.9	3653.1	1532.8	168.7	652.7	108.9	314.5	199.4	324.7	351.4	348.8	426.9	330.6	18.2	104.8	85.0	41.3
SMDH 00171	814549.7	8194833.3	171.5	9	10	85	1807.1	3167.5	1286.1	173.6	598.5	93.0	268.6	170.3	277.3	300.1	343.9	423.9	323.5	20.5	110.1	85.3	38.3
SMDH 00172	814440.6	8194819.9	172.6	0	1	40	1637.4	3209.8	1197.8	78.2	545.7	116.4	336.1	213.1	347.0	375.6	200.5	236.9	192.5	8.0	56.7	48.4	19.9
SMDH 00172	814440.6	8194819.9	172.6	1	2	35	1532.6	3530.3	787.6	76.7	1453.4	101.7	293.6	186.2	303.2	328.1	488.3	522.3	475.9	12.4	119.5	120.6	10.7
SMDH 00172	814440.6	8194819.9	172.6	2	3	40	2236.5	4687.7	1688.7	154.6	232.0	219.0	632.5	401.0	653.0	706.8	114.8	187.2	97.9	17.0	69.8	34.7	33.7
SMDH 00172	814440.6	8194819.9	172.6	3	4	50	2470.8	5350.3	1838.2	179.8	239.9	259.3	748.7	474.7	773.0	836.7	104.9	190.0	89.2	15.7	63.2	30.1	49.0
SMDH 00172	814440.6	8194819.9	172.6	4	5	60	1123.7	3184.8	577.1	113.1	569.1	161.4	466.2	295.6	481.4	521.0	325.4	378.1	313.5	11.9	82.7	70.3	27.6
SMDH 00173	814314.6	8194826.0	173.7	0	1	40	2148.4	5372.6	970.0	128.9	2240.1	170.5	492.4	312.2	508.4	550.2	577.6	635.9	560.9	16.6	137.1	136.2	27.6
SMDH 00173	814314.6	8194826.0	173.7	1	2	40	1740.0	3415.8	1239.5	112.1	593.4	123.3	356.1	225.8	367.6	397.9	296.3	348.1	285.0	11.3	79.7	73.2	30.6
SMDH 00173	814314.6	8194826.0	173.7	2	3	30	1063.4	3157.5	469.7	122.1	691.3	157.2	453.8	287.7	468.6	507.1	247.7	304.5	237.8	9.9	66.0	61.2	39.8
SMDH 00173	814314.6	8194826.0	173.7	3	4	50	1545.0	3190.5	1063.6	122.6	500.9	126.0	364.0	230.8	375.8	406.8	294.1	350.5	281.1	12.9	83.8	74.5	32.1
SMDH 00173	814314.6	8194826.0	173.7	4	5	90	1680.6	3378.6	1156.1	114.9	659.7	121.4	350.6	222.3	362.0	391.7	278.7	332.0	267.2	11.6	76.7	67.6	30.6
SMDH 00173	814314.6	8194826.0	173.7	5	6	80																	
SMDH 00173	814314.6	8194826.0	173.7	6	7	60	1069.8	3401.3	451.0	118.2	681.2	180.3	520.8	330.2	537.7	581.9	244.5	300.2	236.5	8.1	54.0	49.9	41.3
SMDH 00173	814314.6	8194826.0	173.7	7	8	90	2058.3	8455.8	739.7	114.2	1253.3	532.3	1537.1	974.6	1587.0	1717.6	423.7	475.9	408.3	15.4	120.0	109.0	19.9
SMDH 00174	814209.6	8194827.7	173.8	0	1	60	2155.7	4348.7	1153.7	124.8	2117.5	79.9	230.7	146.3	238.2	257.8	726.5	781.4	705.6	20.9	178.6	178.2	16.8
SMDH 00174	814209.6	8194827.7	173.8	1	2	30	1391.7	2937.5	948.4	88.0	536.4	114.4	330.4	209.5	341.1	369.2	250.2	290.7	240.4	9.7	69.8	62.9	21.4
SMDH 00174	814209.6	8194827.7	173.8	2	3	60	1701.4	3537.3	1068.3	200.8	674.6	133.6	385.8	244.6	398.4	431.2	270.8	361.5	244.6	26.2	100.1	63.8	42.9
SMDH 00174	814209.6	8194827.7	173.8	3	4	40	1433.8	2787.3	1027.2	85.6	505.7	98.0	283.0	179.4	292.2	316.2	195.1	235.1	187.7	7.4	52.5	47.2	26.0
SMDH 00174	814209.6	8194827.7	173.8	4	5	60	2200.5	4065.0	1604.0	128.0	792.6	129.2	372.9	236.5	385.1	416.8	429.0	487.0	413.0	16.0	111.4	103.0	29.1
SMDH 00174	814209.6	8194827.7	173.8	5	6	50	1811.8	3574.4	1222.7	156.7	711.1	124.4	359.3	227.8	371.0	401.5	397.2	467.2	375.0	22.2	115.1	94.8	30.6
SMDH 00174	814209.6	8194827.7	173.8	6	7	50	1478.9	3343.4	902.6	131.7	705.6	134.4	388.2	246.2	400.8	433.8	403.5	462.6	385.2	18.3	111.2	98.0	26.0
SMDH 00174	814209.6	8194827.7	173.8	7	8	80																	
SMDH 00174	814209.6	8194827.7	173.8	8	9	60	2088.8	4165.5	1451.4	127.3	839.5	146.5	423.0	268.2	436.8	472.7	529.6	588.1	513.9	15.7	137.2	131.0	26.0
SMDH 00174	814209.6	8194827.7	173.8	9	10	70	1519.8	3034.7	1034.7	110.6	621.2	106.3	307.0	194.7	317.0	343.1	398.5	449.2	384.3	14.2	112.8	102.2	21.4
SMDH 00174	814209.6	8194827.7	173.8	10	11	80	1367.5	2707.3	929.1	125.8	482.0	98.1	283.4	179.7	292.6	316.7	322.1	380.2	305.2	17.0	102.4	79.0	19.9
SMDH 00174	814209.6	8194827.7	173.8	11	12	80	1760.9	3300.3	1251.2	146.5	568.3	111.9	323.0	204.8	333.5	361.0	395.9	462.6	375.4	20.5	121.8	99.8	24.5
SMDH 00174	814209.6	8194827.7	173.8	12	13	75	1648.0	3104.2	1147.7	132.1	626.8	100.4	289.9	183.8	299.4	324.0	383.1	442.6	364.2	18.9	110.5	93.1	23.0
SMDH 00174	814209.6	8194827.7	173.8	13	14	98	1683.5	3363.7	1092.3	116.2	905.8	104.8	302.5	191.8	312.3	338.0	256.0	308.6	240.0	16.0	81.0	61.9	21.4
SMDH 00175	814078.6	8194829.1	170.1	0	1	40	942.4	1930.0	551.2	68.0	692.4	51.8	149.7	94.9	154.6	167.3	342.3	373.0	331.4	10.9	92.5	87.8	7.7
SMDH 00175	814078.6	8194829.1	170.1	1	2	40	1490.5	2890.5	924.0	100.6	1010.0	71.8	207.2	131.4	214.0	231.6	553.0	598.7	538.9	14.1	143.1	143.0	16.8
SMDH 00175	814078.6	8194829.1	170.1	2	3	50	1537.4	2645.5	1183.0	89.1	423.4	79.7	230.0	145.8	237.5	257.0	466.2	507.4	455.2	11.0	118.7	117.3	16.8
SMDH 00175	814078.6	8194829.1	170.1	3	4	50	1199.3	2213.3	896.4	52.4	415.2	71.2	205.6	130.4	212.3	229.8	328.8	352.7	322.1	6.7	79.6	81.8	10.7
SMDH 00175	814078.6	8194829.1	170.1	4	5	60	1412.6	2619.1	1062.4	72.3	421.0	89.2	257.5	163.2	265.8	287.7	465.9	499.3	457.8	8.1	107.2	114.1	16.8
SMDH 00175	814078.6	8194829.1	170.1	5	6	70	1579.0	2863.8	1146.4	97.3	591.4	86.2	249.1	157.9	257.2	278.3	478.4	522.6	465.8	12.6	119.3	119.0	19.9
SMDH 00175	814078.6	8194829.1	170.1	6	7	50	1579.7	2782.2	1202.7	106.5	396.0	90.3	260.7	165.3	269.2	291.4	449.1	497.0	433.6	15.4	119.4	111.7	18.4
SMDH 00175	814078.6	8194829.1	170.1	7	8	98	1997.3	4036.4	1291.7	173.4	938.3	136.9	395.3	250.7	408.2	441.8	591.1	668.6	564.7	26.4	173.0	152.3	27.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00175	814078.6	8194829.1	170.1	8	9	95	1819.6	3707.2	1233.5	125.0	753.7	133.7	386.1	244.8	398.7	431.5	504.9	560.8	486.3	18.5	135.7	126.2	21.4
SMDH 00175	814078.6	8194829.1	170.1	9	10	80	1878.6	3452.2	1373.9	121.6	624.1	111.7	322.6	204.6	333.1	360.5	503.0	557.5	484.9	18.1	135.7	126.1	19.9
SMDH 00175	814078.6	8194829.1	170.1	10	11	95	1540.1	3219.6	976.8	159.5	647.3	120.4	347.7	220.4	359.0	388.5	415.4	487.3	391.7	23.8	131.9	104.8	24.5
SMDH 00175	814078.6	8194829.1	170.1	11	12	85	1611.1	3032.0	1143.0	103.0	633.0	96.7	279.1	177.0	288.2	311.9	413.0	460.3	399.9	13.2	107.7	99.9	19.9
SMDH 00175	814078.6	8194829.1	170.1	12	13	70	1705.0	3459.5	1137.3	122.3	762.3	120.5	348.1	220.7	359.4	389.0	466.7	522.9	452.3	14.4	119.7	113.8	27.6
SMDH 00175	814078.6	8194829.1	170.1	13	14	60	1778.6	3742.3	1166.8	157.8	691.3	144.7	418.0	265.0	431.6	467.1	489.9	561.6	468.9	21.0	138.7	121.9	30.6
SMDH 00176	813953.8	8194823.1	168.4	0	1	40	1880.6	4052.1	1080.6	122.5	1402.1	121.3	350.3	222.1	361.7	391.5	677.5	732.4	657.8	19.7	175.3	173.8	15.3
SMDH 00176	813953.8	8194823.1	168.4	1	2	30	1475.3	2946.2	923.6	132.1	806.6	90.9	262.4	166.4	270.9	293.2	429.8	490.6	412.8	17.1	124.4	109.7	24.5
SMDH 00176	813953.8	8194823.1	168.4	2	3	40	1653.3	3375.8	1060.4	104.1	935.5	107.0	308.9	195.8	318.9	345.2	494.1	542.1	482.8	11.3	120.8	124.3	26.0
SMDH 00176	813953.8	8194823.1	168.4	3	4	50	1507.6	3249.9	984.2	94.3	708.9	122.6	354.1	224.5	365.6	395.7	459.7	503.5	449.7	10.1	112.7	115.1	23.0
SMDH 00176	813953.8	8194823.1	168.4	4	5	90	1178.3	2216.2	729.7	142.1	607.5	61.8	178.4	113.1	184.2	199.4	464.5	530.6	447.5	17.1	141.6	127.2	27.6
SMDH 00176	813953.8	8194823.1	168.4	5	6	80	1259.6	2291.5	842.0	97.2	660.6	58.0	167.5	106.2	172.9	187.2	423.1	467.5	410.8	12.4	116.3	113.2	19.9
SMDH 00176	813953.8	8194823.1	168.4	6	7	50	1309.5	2450.5	807.9	134.1	778.4	61.2	176.8	112.1	182.5	197.5	514.9	576.8	498.7	16.3	140.2	131.5	27.6
SMDH 00176	813953.8	8194823.1	168.4	7	8	98	1316.2	2356.8	869.1	104.5	737.0	54.2	156.4	99.2	161.5	174.8	427.0	475.6	415.2	11.8	114.6	111.0	23.0
SMDH 00176	813953.8	8194823.1	168.4	8	9	90	1384.3	2598.9	885.3	128.5	753.7	69.7	201.3	127.6	207.9	225.0	486.2	545.2	470.2	16.0	135.5	127.9	26.0
SMDH 00176	813953.8	8194823.1	168.4	9	10	60	1287.1	2749.9	811.6	114.7	597.5	102.8	296.9	188.2	306.5	331.8	370.6	423.5	355.7	14.9	113.7	98.5	19.9
SMDH 00177	813840.0	8194823.8	167.5	0	1	50	2428.2	4111.9	1578.1	160.3	1685.2	57.7	166.7	105.7	172.1	186.3	1005.7	1078.2	980.3	25.4	262.9	260.4	18.4
SMDH 00177	813840.0	8194823.8	167.5	1	2	40	1220.5	2580.3	737.4	102.3	719.8	85.6	247.1	156.7	255.2	276.2	445.2	492.3	432.8	12.4	116.5	113.6	21.4
SMDH 00177	813840.0	8194823.8	167.5	2	3	50	1416.3	2726.5	949.3	124.6	604.7	87.9	253.7	160.9	261.9	283.5	519.5	576.7	502.8	16.7	142.6	133.8	21.4
SMDH 00177	813840.0	8194823.8	167.5	3	4	80	1632.9	2679.8	1260.0	78.7	557.8	65.7	189.6	120.2	195.8	211.9	375.5	411.6	365.8	9.6	92.7	92.0	16.8
SMDH 00177	813840.0	8194823.8	167.5	4	5	98	992.7	1481.7	807.9	50.1	250.4	31.3	90.4	57.3	93.3	101.0	211.9	235.1	206.4	5.5	51.5	51.3	12.2
SMDH 00177	813840.0	8194823.8	167.5	5	6	60	1567.5	2709.3	1142.4	120.7	549.0	75.2	217.2	137.7	224.3	242.7	465.1	520.3	449.8	15.3	123.4	116.2	24.5
SMDH 00177	813840.0	8194823.8	167.5	6	7	50	1610.7	2469.8	1305.3	72.2	428.4	55.7	160.8	101.9	166.0	179.6	395.0	427.9	385.5	9.5	97.8	99.5	13.8
SMDH 00177	813840.0	8194823.8	167.5	7	8	90	1758.3	2959.4	1369.1	76.7	548.9	80.9	233.5	148.1	241.1	261.0	420.4	456.0	412.5	7.8	98.3	103.4	19.9
SMDH 00178	813716.3	8194822.7	166.8	0	1	40	1857.3	3103.2	1388.5	125.0	641.4	79.5	229.6	145.6	237.1	256.6	419.9	478.3	404.0	15.9	124.2	106.3	19.9
SMDH 00178	813716.3	8194822.7	166.8	1	2	30	1965.6	3806.3	1334.9	158.5	817.5	125.4	362.1	229.6	373.8	404.6	472.8	546.0	451.8	21.0	145.1	121.4	26.0
SMDH 00178	813716.3	8194822.7	166.8	2	3	50	1523.5	2755.2	1061.5	118.3	647.9	77.8	224.6	142.4	231.9	251.0	439.7	494.7	423.7	16.0	128.5	112.6	16.8
SMDH 00178	813716.3	8194822.7	166.8	3	4	70	2829.3	4767.4	2229.0	117.7	807.7	135.2	390.5	247.6	403.2	436.4	420.4	475.4	405.7	14.7	121.6	107.5	19.9
SMDH 00178	813716.3	8194822.7	166.8	4	5	98	2024.7	3782.3	1523.9	96.4	611.3	130.0	375.4	238.0	387.6	419.5	510.2	554.5	498.4	11.8	127.8	129.9	19.9
SMDH 00178	813716.3	8194822.7	166.8	5	6	85	1908.0	3877.9	1362.7	68.4	771.3	140.5	405.7	257.2	418.8	453.3	408.2	440.0	402.4	5.8	92.4	102.4	21.4
SMDH 00178	813716.3	8194822.7	166.8	6	7	60	1845.5	3547.1	1324.6	95.8	714.5	118.4	341.9	216.8	353.0	382.1	492.3	536.3	480.1	12.2	126.1	125.0	18.4
SMDH 00179	813601.4	8194821.2	165.5	0	1	40	1397.9	2902.6	739.4	114.3	1243.3	67.6	195.1	123.7	201.4	218.0	441.8	495.1	428.4	13.4	116.8	108.8	23.0
SMDH 00179	813601.4	8194821.2	165.5	1	2	40	2190.8	3209.1	1875.9	91.5	314.7	77.7	224.4	142.3	231.7	250.8	758.8	799.8	744.8	14.0	174.5	186.1	13.8
SMDH 00179	813601.4	8194821.2	165.5	2	3	50	4370.2	4883.9	4222.3	59.1	72.0	44.5	128.4	81.4	132.6	143.5	199.9	228.1	195.3	4.6	51.0	49.2	16.8
SMDH 00179	813601.4	8194821.2	165.5	3	4	80	3606.5	4123.5	3399.2	121.2	60.7	45.5	131.3	83.3	135.6	146.8	1575.8	1629.5	1553.9	21.9	349.3	386.4	9.2
SMDH 00179	813601.4	8194821.2	165.5	4	5	98	2446.8	3301.1	2154.4	108.3	251.9	65.9	190.4	120.7	196.6	212.8	1136.5	1185.8	1120.5	16.0	248.9	272.5	15.3
SMDH 00179	813601.4	8194821.2	165.5	5	6	85	1742.7	2172.6	1600.8	56.6	99.8	34.8	100.5	63.7	103.8	112.3	430.4	456.0	422.2	8.1	100.9	105.7	9.2
SMDH 00179	813601.4	8194821.2	165.5	6	7	90	1235.4	2746.3	708.0	102.2	807.6	94.6	273.2	173.2	282.1	305.3	417.4	464.6	404.3	13.0	115.8	107.0	18.4
SMDH 00180	813476.7	8194824.3	163.4	0	1	40	1266.3	2609.5	666.5	86.5	1209.6	54.2	156.6	99.3	161.7	175.0	389.6	429.2	377.1	12.5	105.1	96.9	12.2
SMDH 00180	813476.7	8194824.3	163.4	1	2	50	1323.7	2686.7	833.8	107.5	724.2	85.6	247.2	156.8	255.3	276.3	396.7	445.9	382.5	14.2	111.4	101.9	19.9
SMDH 00180	813476.7	8194824.3	163.4	2	3	60	4741.8	5538.5	4477.9	67.6	324.4	56.1	161.9	102.6	167.1	180.9	234.9	266.5	226.7	8.1	71.9	64.5	12.2
SMDH 00180	813476.7	8194824.3	163.4	3	4	75	2296.3	3723.9	1859.5	69.0	639.9	96.9	279.8	177.4	288.9	312.6	428.1	459.6	420.2	7.9	99.6	106.7	16.8
SMDH 00180	813476.7	8194824.3	163.4	4	5	80	2264.0	3620.6	1837.5	78.1	603.9	92.3	266.6	169.0	275.2	297.9	443.8	479.5	434.2	9.6	105.8	108.9	16.8
SMDH 00180	813476.7	8194824.3	163.4	5	6	70	1721.9	3149.3	1245.0	110.6	634.2	97.2	280.7	178.0	289.9	313.7	473.4	524.3	459.5	13.9	126.8	121.7	21.4
SMDH 00180	813476.7	8194824.3	163.4	6	7	50	1635.2	3061.0	1158.2	117.0	612.0	98.4	284.2	180.2	293.4	317.6	414.3	467.2	398.0	16.3	119.1	108.9	21.4
SMDH 00180	813476.7	8194824.3	163.4	7	8	98	2023.0	3809.7	1410.3	145.8	824.1	119.8	346.1	219.4	357.3	386.7	529.0	595.6	509.3	19.7	151.5	137.7	26.0
SMDH 00180	813476.7	8194824.3	163.4	8	9	90	2003.6	3877.4	1377.8	155.0	796.3	129.8	374.9	237.7	387.1	418.9	573.7	644.4	552.7	21.1	163.2	149.2	27.6
SMDH 00180	813476.7	8194824.3	163.4	9	10	60	1164.4	2158.2	831.0	76.8	447.3	67.3	194.4	123.3	200.8	217.3	240.0	275.6	230.3	9.7	73.8	64.0	13.8
SMDH 00180	813476.7	8194824.3	163.4	10	11	80	1909.5	3624.1	1353.0	138.7	681.2	121.7	351.4	222.8	362.8	392.6	458.8	522.1	440.9	17.9	133.2	120.6	27.6
SMDH 00180	813476.7	8194824.3	163.4	11	11.5	50	1686.0	3321.6	1161.9	133.2	622.2	117.7	340.0	215.6	351.1	379.9	483.4	543.9	464.4	19.1	142.2	127.3	21.4
SMDH 00180	813476.7	8194824.3	163.4	11.5	12	50	1686.0	3321.6	1161.9	133.2	622.2	117.7	340.0	215.6	351.1	379.9	483.4	543.9	464.4	19.1	142.2	127.3	21.4
SMDH 00181	813360.9	8194821.0	161.9	0	1	40	1758.9	3420.0	861.1	102.5	2079.1	31.6	91.3	57.9	94.3	102.1	562.4	608.4	545.8	16.6	145.5	146.1	12.2
SMDH 00181	813360.9	8194821.0	161.9	1	2	50	1886.0	3674.3	1046.1	154.0	1619.6	71.7	206.9	131.2	213.6	231.2	648.9	718.4	626.7	22.2	180.1	174.0	26.0
SMDH 00181	813360.9	8194821.0	161.9	2	3	50	2003.0	3358.7	1365.5	129.1	1186.0	56.9	164.2	104.1	169.5	183.5	781.1	839.5	762.6	18.4	188.4	191.6	21.4
SMDH 00181	813360.9	8194821.0	161.9	3	4	50	2714.1	3734.5	2324.4	152.8	362.7	75.0	216.6	137.3	223.6	242.0	390.1	460.4	371.9	18.1	113.9	96.6	33.7
SMDH 00181	813360.9	8194821.0	161.9	4	5	60	2449.7	4143.3	1720.1	223.4	1012.9	99.5	287.4	182.2	296.7	321.1	540.0	642.8	513.1	26.9	161.7	132.6	47.5
SMDH 00181	813360.9	8194821.0	161.9	5	6	60	2625.9	3895.0	2159.9	170.7	453.4	93.1	269.0	170.5	277.7	300.6	557.2	635.4	535.4	21.8	155.2	138.7	33.7
SMDH 00181	813360.9	8194821.0	161.9	6	7	50	1509.4	2740.4	1081.1	141.3	442.1	90.2	260.5	165.2	269.0	291.1	446.5	510.8	427.5	19.0	126.8	110.9	26.0
SMDH 00181	813360.9	8194821.0	161.9	7	8	90	1290.3	2497.9	890.4	103.9	486.1	85.3	246.3	156.2	254.3	275.3	312.2	359.5	299.3	12.9	85.8	76.1	23.0
SMDH 00181	813360.9	8194821.0	161.9	8	9	98	1251.9	2812.5	791.0	89.8	586.9	112.8	325.6	206.4	336.2	363.9	359.6	401.7	351.7	7.8	85.3	86.5	26.0
SMDH 00181	813360.9	8194821.0	161.9	9	10	85	1778.5	3075.0	1368.5	99.3	496.2	93.1	269.0	170.5	277.7	300.6	441.2	486.7	429.5	11.7	107.3	106.6	23.0
SMDH 00181	813360.9	8194821.0	161.9	10	11	85	1468.4	2997.7	1009.4	114.4	505.6	114.7	331.3	210.0	342.0	370.2	437.8	490.3	425.1	12.7	107.9	106.0	29.1
SMDH 00181	813360.9	8194821.0	161.9	11	12	98	1907.2	3942.2	1303.1	163.2	608.8	156.5	452.0	286.6	466.7	505.2	650.7	725.7	630.1	20.6	169.9	159.6	32.1
SMDH 00181	813360.9	8194821.0	161.9	12	13	90	1344.5	2804.9	947.9	81.3	432.8	112.6	325.1	206.1	335.7	363.3	319.3	357.2	310.8	8.5	80.6	78.1	19.9
SMDH 00181	813360.9	8194821.0	161.9	13	14	95	1475.8	2709.3	1088.6	122.4	360.3	95.4	275.5	174.7	284.5	307.9	396.7	453.1	381.1	15.6	108.8	95.0	23.0
SMDH 00181	813360.9	8194821.0	161.9	14	15	90	1278.7	2418.7	954.9	72.9	355.4	86.8	250.7	159.0	258.9	280.2	320.9	355.1	313.7	7.2	77.0	76.3	18.4
SMDH 00182	813234.8	8194824.0	161.0	0	1	30	871.9	1855.5	480.8	63.2	711.6	50.3	145.2	92.1	150.0	162.3	271.3	299.7	261.2	10.1	74.9	68.1	7.7
SMDH 00182	813234.8	8194824.0	161.0	1	2	50	1136.2	2273.2	690.9	89.8	737.1	63.3	182.9	116.0	188.9	204.4	402.1	442.5	388.2	14.0	112.4	104.9	12.2
SMDH 00182	813234.8	8194824.0	161.0	2	3	50	2289.3	4000.6	1407.7	151.9	1816.7	52.3	151.2	95.8	156.1	168.9	776.8	846.2	753.9	22.9	216.4	206.6	18.4
SMDH 00182	813234.8	8194824.0	161.0	3	4	70	1702.7	3158.4	1159.0	131.1	788.7	90.5	261.4	165.7	269.9	292.1	695.3	754.6	676.4	18.9	179.2	176.8	21.4
SMDH 00182	813234.8	8194824.0	161.0	4	5	85	2044.6	3564.0	1532.2	136.5	624.5	106.6	307.7	195.1	317.7	343.8	224.8	287.5	208.7	16.2	80.9	59.8	30.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00182	813234.8	8194824.0	161.0	5	6	98	1279.8	1759.4	1095.7	51.0	249.6	30.4	87.9	55.7	90.8	98.2	152.9	176.8	147.7	5.3	43.8	39.6	12.2
SMDH 00182	813234.8	8194824.0	161.0	6	7	75	304.9	628.9	167.6	38.7	200.3	18.6	53.8	34.1	55.6	60.2	84.9	102.5	79.4	5.5	26.9	19.2	6.1
SMDH 00182	813234.8	8194824.0	161.0	7	8	90	1538.2	2885.1	1077.6	141.5	501.8	97.6	281.9	178.7	291.0	315.0	322.5	386.2	303.0	19.5	102.2	81.7	27.6
SMDH 00182	813234.8	8194824.0	161.0	8	9	80	1578.2	3385.9	1048.8	154.2	480.6	142.7	412.1	261.3	425.5	460.6	326.5	395.9	305.4	21.1	101.7	77.7	30.6
SMDH 00182	813234.8	8194824.0	161.0	9	10	80	1599.8	3013.0	1110.5	145.7	558.6	100.5	290.1	183.9	299.5	324.2	397.1	462.8	376.9	20.2	115.9	96.7	27.6
SMDH 00182	813234.8	8194824.0	161.0	10	11	90	1551.7	3087.3	1036.3	162.4	533.3	113.6	328.2	208.1	338.8	366.7	386.5	460.6	365.5	21.0	114.6	91.9	32.1
SMDH 00182	813234.8	8194824.0	161.0	11	12	80	1468.3	2848.4	1033.6	106.3	519.5	99.7	287.8	182.5	297.2	321.7	288.7	338.1	276.5	12.2	83.2	70.4	23.0
SMDH 00182	813234.8	8194824.0	161.0	12	13	50	1174.9	2366.2	846.5	50.6	428.2	87.3	252.0	159.8	260.2	281.6	211.9	235.6	207.6	4.3	48.9	50.2	15.3
SMDH 00183	813129.7	8194826.6	160.4	0	1	20	1123.0	2711.3	654.2	83.1	626.2	113.0	326.3	206.9	336.9	364.7	284.6	323.1	274.2	10.4	80.4	71.4	15.3
SMDH 00183	813129.7	8194826.6	160.4	1	2	40	1152.3	2476.6	740.0	77.6	569.5	91.3	263.8	167.2	272.4	294.8	268.9	305.0	259.2	9.7	77.9	68.9	13.8
SMDH 00183	813129.7	8194826.6	160.4	2	3	40	6053.0	7120.5	5770.7	60.7	283.8	84.3	243.4	154.3	251.3	272.0	110.7	139.7	104.9	5.8	39.7	29.6	13.8
SMDH 00183	813129.7	8194826.6	160.4	3	4	40	4293.1	6632.7	3795.7	135.0	174.9	211.9	611.9	387.9	631.7	683.7	76.0	140.9	65.8	10.2	48.0	23.9	38.3
SMDH 00183	813129.7	8194826.6	160.4	4	5	90	3231.3	6751.6	2523.1	164.9	256.1	319.2	921.9	584.5	951.8	1030.2	88.7	167.5	76.8	11.9	52.9	27.7	50.5
SMDH 00183	813129.7	8194826.6	160.4	5	6	95	2408.0	4098.3	2005.4	76.6	359.5	138.9	401.1	254.3	414.1	448.2	311.6	347.4	303.2	8.4	82.3	77.9	16.8
SMDH 00183	813129.7	8194826.6	160.4	6	7	70	1502.7	3275.6	988.9	126.3	542.6	135.6	391.7	248.3	404.4	437.7	341.3	399.7	325.3	16.0	101.4	80.6	23.0
SMDH 00183	813129.7	8194826.6	160.4	7	8	85	1343.7	2673.2	846.8	166.0	553.4	92.8	268.0	169.9	276.7	299.5	337.4	414.7	317.1	20.3	117.7	87.6	30.6
SMDH 00183	813129.7	8194826.6	160.4	8	9	75	1471.2	3106.5	939.4	159.0	556.2	121.7	351.5	222.9	362.9	392.8	404.0	477.3	383.7	20.4	130.4	106.3	29.1
SMDH 00183	813129.7	8194826.6	160.4	9	10	75	1557.4	3144.4	1019.1	165.2	580.9	115.6	333.9	211.7	344.8	373.1	455.1	531.9	434.8	20.4	144.7	121.2	30.6
SMDH 00183	813129.7	8194826.6	160.4	10	11	98	1603.8	3593.0	882.6	214.5	870.6	136.3	393.5	249.5	406.3	439.7	379.8	479.2	355.3	24.5	132.7	99.3	47.5
SMDH 00183	813129.7	8194826.6	160.4	11	12	95	1503.1	3404.6	901.2	165.2	658.7	140.8	406.6	257.8	419.8	454.4	440.6	517.1	421.7	18.9	130.6	112.7	36.7
SMDH 00183	813129.7	8194826.6	160.4	12	13	85	1415.0	3257.7	900.2	94.3	628.3	137.1	395.8	251.0	408.7	442.3	385.9	429.8	376.0	10.0	99.8	97.4	23.0
SMDH 00183	813129.7	8194826.6	160.4	13	14	80	1554.5	3390.3	1071.4	136.0	365.0	152.4	440.1	279.1	454.4	491.8	268.3	331.2	252.8	15.5	87.3	67.3	30.6
SMDH 00184	812994.8	8194808.1	160.2	0	1	30	1603.1	3642.9	929.9	160.1	868.9	141.2	407.7	258.5	421.0	455.6	515.4	589.5	493.8	21.6	155.3	131.4	24.5
SMDH 00184	812994.8	8194808.1	160.2	1	2	40	1375.9	2944.9	776.8	139.3	905.0	94.2	272.1	172.5	280.9	304.1	438.8	503.8	423.4	15.3	125.6	113.2	30.6
SMDH 00184	812994.8	8194808.1	160.2	2	3	40	2296.8	3477.5	1965.2	69.0	377.9	89.3	257.9	163.5	266.3	288.2	284.9	317.2	278.3	6.6	72.8	72.9	18.4
SMDH 00184	812994.8	8194808.1	160.2	3	4	60	1057.4	1920.6	748.1	77.5	420.7	56.5	163.2	103.5	168.5	182.4	211.4	247.9	203.6	7.8	62.8	54.4	18.4
SMDH 00184	812994.8	8194808.1	160.2	4	5	70	964.3	1767.9	685.0	53.6	427.7	50.4	145.6	92.3	150.4	162.8	152.8	178.0	147.7	5.1	43.5	38.6	13.8
SMDH 00184	812994.8	8194808.1	160.2	5	6	70	1391.4	2859.3	978.9	72.7	518.3	108.1	312.2	197.9	322.3	348.8	287.3	321.4	280.2	7.2	76.3	74.6	18.4
SMDH 00184	812994.8	8194808.1	160.2	6	7	50	1297.3	2556.4	900.1	97.0	476.5	90.8	262.2	166.2	270.7	293.0	272.7	318.5	262.6	10.1	82.5	71.5	21.4
SMDH 00184	812994.8	8194808.1	160.2	7	8	75	1346.4	2730.9	916.6	103.5	510.0	100.7	290.7	184.3	300.2	324.9	315.0	363.2	303.4	11.6	89.4	80.1	23.0
SMDH 00184	812994.8	8194808.1	160.2	8	9	80	1989.3	3161.7	1574.6	83.3	632.0	73.1	211.1	133.8	217.9	235.9	222.9	261.5	212.4	10.4	70.8	58.3	15.3
SMDH 00184	812994.8	8194808.1	160.2	9	10	60	1381.9	2878.4	929.9	131.1	435.5	115.9	334.6	212.1	345.4	373.9	235.5	297.5	220.7	14.8	88.2	60.8	24.5
SMDH 00184	812994.8	8194808.1	160.2	10	11	95	1556.5	3196.6	1022.9	155.4	573.7	121.1	349.8	221.8	361.1	390.8	341.4	414.5	323.3	18.1	116.6	89.0	29.1
SMDH 00184	812994.8	8194808.1	160.2	11	12	90	1576.6	3365.8	1057.3	114.2	598.8	133.8	386.3	244.9	398.9	431.7	375.9	430.4	364.1	11.8	110.1	97.5	23.0
SMDH 00184	812994.8	8194808.1	160.2	12	13	50	1303.4	2180.2	1034.5	52.6	357.7	61.7	178.0	112.9	183.8	199.0	274.6	299.5	268.9	5.7	72.1	70.6	10.7
SMDH 00184	812994.8	8194808.1	160.2	13	14	80	1694.5	3569.5	1076.9	163.2	735.8	133.6	385.8	244.6	398.4	431.2	206.6	283.4	187.7	19.0	92.5	54.2	30.6
SMDH 00185	812878.2	8194829.8	160.0	0	1	30	1355.2	2640.8	844.1	97.4	876.1	69.0	199.3	126.4	205.8	222.7	515.9	560.4	501.7	14.2	138.3	132.8	13.8
SMDH 00185	812878.2	8194829.8	160.0	1	2	30	1586.2	2906.7	1155.5	99.1	560.3	91.5	264.3	167.6	272.9	295.4	349.8	395.9	338.5	11.3	96.2	89.1	21.4
SMDH 00185	812878.2	8194829.8	160.0	2	3	40	1759.0	2963.4	1393.0	87.8	423.2	88.8	256.5	162.6	264.8	286.6	291.7	332.1	281.5	10.2	78.9	72.9	19.9
SMDH 00185	812878.2	8194829.8	160.0	3	4	70	940.2	1620.3	745.2	49.6	196.5	52.7	152.3	96.6	157.2	170.2	145.5	168.4	140.2	5.4	38.8	34.0	12.2
SMDH 00185	812878.2	8194829.8	160.0	4	5	85	1405.2	2521.6	1057.7	91.6	384.8	82.8	239.1	151.6	246.8	267.1	277.9	320.3	267.3	10.5	77.0	66.9	19.9
SMDH 00185	812878.2	8194829.8	160.0	5	6	70	1492.0	2804.9	1039.6	108.5	608.9	87.9	253.7	160.9	261.9	283.5	303.2	353.7	290.8	12.5	87.5	73.3	23.0
SMDH 00185	812878.2	8194829.8	160.0	6	7	50	1742.1	3185.7	1225.0	145.1	646.8	98.0	283.0	179.4	292.2	316.2	356.9	424.6	339.6	17.3	111.5	88.1	27.6
SMDH 00185	812878.2	8194829.8	160.0	7	8	60	1684.0	3269.8	1143.1	148.4	652.3	111.2	321.0	203.6	331.5	358.8	401.2	470.6	384.0	17.3	122.5	101.2	29.1
SMDH 00186	812749.4	8194816.8	159.6	0	1	40	1293.1	2971.8	678.7	125.2	958.2	101.4	292.9	185.7	302.4	327.3	385.1	441.8	366.9	18.2	117.6	98.8	19.9
SMDH 00186	812749.4	8194816.8	159.6	1	2	50	1216.4	2854.9	740.0	134.8	441.7	129.0	372.5	236.2	384.6	416.2	328.1	390.4	312.8	15.3	100.6	83.8	30.6
SMDH 00186	812749.4	8194816.8	159.6	2	3	60	1704.8	2792.2	1380.4	54.4	450.3	76.1	219.6	139.3	226.8	245.4	110.0	135.6	106.1	3.9	28.6	25.6	18.4
SMDH 00186	812749.4	8194816.8	159.6	3	4	40	1533.8	2425.5	1255.9	60.0	356.7	63.1	182.3	115.6	188.2	203.7	210.7	238.6	205.0	5.6	54.3	52.9	16.8
SMDH 00186	812749.4	8194816.8	159.6	4	5	50	1882.4	3066.1	1487.2	99.6	496.5	82.4	237.9	150.9	245.7	265.9	355.3	401.0	342.8	12.5	102.9	93.9	19.9
SMDH 00186	812749.4	8194816.8	159.6	5	6	65	1256.9	2317.4	969.1	50.5	344.4	79.9	230.8	146.4	238.3	257.9	161.1	184.9	157.5	3.6	39.1	39.3	16.8
SMDH 00186	812749.4	8194816.8	159.6	6	7	80	1458.6	2732.7	1078.5	73.9	490.8	91.3	263.8	167.2	272.4	294.8	221.5	256.6	214.2	7.3	64.9	56.9	16.8
SMDH 00186	812749.4	8194816.8	159.6	7	8	85	1396.6	2783.2	994.7	71.0	525.6	99.9	288.6	183.0	298.0	322.5	386.1	419.5	377.6	8.5	104.0	102.5	12.2
SMDH 00186	812749.4	8194816.8	159.6	8	9	90	1445.9	2791.9	995.9	87.6	659.9	87.9	253.9	161.0	262.1	283.7	370.8	410.7	360.1	10.6	95.2	92.8	19.9
SMDH 00186	812749.4	8194816.8	159.6	9	10	85	1336.1	2609.8	918.0	90.3	569.5	86.5	249.9	158.4	258.0	279.2	413.8	455.4	404.5	9.3	102.7	106.3	24.5
SMDH 00186	812749.4	8194816.8	159.6	10	11	85	1551.1	2864.8	1131.1	69.0	634.0	86.4	249.5	158.2	257.7	278.9	540.5	572.2	531.4	9.2	126.3	134.4	12.2
SMDH 00187	812634.8	8194825.9	159.8	0	1	20	1048.7	2626.8	521.5	113.8	731.8	105.6	305.0	193.4	314.9	340.8	229.1	283.7	214.6	14.6	91.2	59.8	12.2
SMDH 00187	812634.8	8194825.9	159.8	1	2	60	1082.4	3149.1	537.0	124.2	521.7	164.9	476.0	301.8	491.5	532.0	217.8	277.7	205.1	12.6	83.3	56.1	23.0
SMDH 00187	812634.8	8194825.9	159.8	2	3	40	1035.9	2282.5	682.5	79.9	385.4	95.1	274.7	174.2	283.7	307.0	352.9	390.7	343.1	9.7	96.7	89.2	12.2
SMDH 00187	812634.8	8194825.9	159.8	3	4	50	1749.7	4973.9	1070.9	121.6	450.9	279.2	806.4	511.3	832.6	901.1	292.0	348.7	277.8	14.2	92.5	74.6	24.5
SMDH 00187	812634.8	8194825.9	159.8	4	5	60	1564.3	3228.1	1070.2	107.4	593.4	122.2	352.8	223.7	364.3	394.2	362.7	412.7	350.0	12.7	104.9	94.4	21.4
SMDH 00187	812634.8	8194825.9	159.8	5	6	60	1339.0	3037.2	886.9	90.6	484.5	132.1	381.3	241.8	393.7	426.1	289.9	332.0	279.6	10.3	82.6	74.6	19.9
SMDH 00187	812634.8	8194825.9	159.8	6	7	70	1916.6	4243.8	1378.8	87.0	502.3	190.8	551.0	349.4	568.9	615.7	363.7	404.0	354.4	9.3	93.5	93.2	21.4
SMDH 00187	812634.8	8194825.9	159.8	7	8	98	2429.9	4790.0	1907.1	73.2	481.8	195.2	563.6	357.4	581.9	629.8	442.1	476.0	434.3	7.8	102.4	109.3	18.4
SMDH 00187	812634.8	8194825.9	159.8	8	9	98	2185.5	4546.9	1674.6	76.4	426.3	198.7	573.7	363.8	592.4	641.1	334.9	370.5	327.3	7.6	83.1	84.5	19.9
SMDH 00187	812634.8	8194825.9	159.8	9	10	75	1893.3	4131.0	1374.9	82.6	491.1	183.0	528.4	335.0	545.5	590.4	312.4	350.4	302.7	9.7	84.3	80.3	18.4
SMDH 00187	812634.8	8194825.9	159.8	10	11	50	2051.4	2927.2	1800.6	32.6	365.7	61.1	176.4	111.8	182.1	197.1	190.1	205.0	186.3	3.8	44.9	46.1	7.7
SMDH 00188	814496.5	8194936.7	173.4	0	1	60	1769.9	4110.2	978.1	76.1	1458.5	133.9	386.8	245.2	399.4	432.2	631.2	663.7	617.9	13.3	120.7	131.5	12.2
SMDH 00188	814496.5	8194936.7	173.4	1	2	50	1062.1	3209.5	497.1	108.8	609.3	167.2	482.8	306.1	498.5	539.6	300.5	350.0	287.0	13.5	86.1	75.6	24.5
SMDH 00188	814496.5	8194936.7	173.4	2	3	75	1089.7	2967.7	576.5	123.1	501.2	148.2	427.8	271.3	441.7	478.1	318.7	374.3	303.4	15.3	89.6	78.6	29.1
SMDH 00188	814496.5	8194936.7	173.4	3	4	80	1713.0	3373.4	1197.4	141.1	550.2	124.5	359.4	227.9	371.1	401.7	401.7	467.3	384.3	17.4	116.8	96.0	26.0
SMDH 00188	814496.5	8194936.7	173.4	4	5	80	1629.0	3370.7	1069.4	178.4	534.9	133.1	384.5	243.8	397.0	429.6	328.6	413.4	311.2	17.3	114.0	87.9	41.3

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00188	814496.5	8194936.7	173.4	5	6	90	1350.7	2703.0	897.1	132.8	505.7	97.9	282.7	179.2	291.8	315.9	250.0	313.3	239.1	10.9	78.7	65.0	36.7
SMDH 00188	814496.5	8194936.7	173.4	6	7	75	1640.3	3108.9	1127.7	161.9	557.7	105.8	305.4	193.7	315.4	341.3	312.5	389.2	296.2	16.3	104.6	80.8	36.7
SMDH 00188	814496.5	8194936.7	173.4	7	8	85	1642.3	3122.7	1115.5	170.6	571.7	106.1	306.2	194.2	316.2	342.2	294.1	375.0	278.3	15.8	98.4	75.0	42.9
SMDH 00188	814496.5	8194936.7	173.4	8	9	90	1972.9	3729.1	1418.0	147.5	622.8	129.2	373.0	236.5	385.2	416.9	335.2	404.9	321.1	14.1	101.6	85.1	36.7
SMDH 00188	814496.5	8194936.7	173.4	9	10	80	1816.5	3266.8	1383.0	120.9	427.6	112.0	323.3	205.0	333.8	361.3	321.7	377.5	308.3	13.4	89.4	78.1	29.1
SMDH 00188	814496.5	8194936.7	173.4	10	11	98	1909.7	3793.5	1306.3	143.3	752.3	133.4	385.3	244.3	397.9	430.6	360.3	427.3	345.2	15.1	108.6	92.4	33.7
SMDH 00188	814496.5	8194936.7	173.4	11	12	95	1641.6	3344.8	1160.6	122.9	469.6	133.4	385.3	244.3	397.9	430.6	309.2	366.9	296.1	13.0	92.0	77.3	27.6
SMDH 00188	814496.5	8194936.7	173.4	12	13	95	1776.6	3357.3	1254.8	153.1	567.9	115.8	334.5	212.1	345.4	373.8	377.3	447.4	359.2	18.2	108.9	91.6	35.2
SMDH 00188	814496.5	8194936.7	173.4	13	14	95	1737.7	3263.8	1214.8	161.5	568.5	110.6	319.4	202.5	329.7	356.9	368.0	443.8	349.6	18.4	119.8	93.7	32.1
SMDH 00188	814496.5	8194936.7	173.4	14	15	90	1775.4	3431.2	1205.0	164.6	666.2	117.0	337.8	214.2	348.8	377.5	328.6	405.6	309.9	18.8	111.8	84.1	33.7
SMDH 00188	814496.5	8194936.7	173.4	15	16	90	1858.1	3520.4	1276.7	163.7	706.5	115.2	332.6	210.9	343.4	371.6	362.9	439.8	345.7	17.3	114.2	91.6	36.7
SMDH 00189	814378.2	8194941.9	173.8	0	1	40	1645.7	4939.4	740.6	112.1	1274.1	235.8	681.0	431.8	703.1	761.0	410.0	462.4	397.6	12.4	110.4	103.1	24.5
SMDH 00189	814378.2	8194941.9	173.8	1	2	75	1336.1	4026.8	581.1	143.9	907.1	200.8	579.8	367.6	598.6	647.9	356.4	424.1	345.7	10.6	81.6	77.2	47.5
SMDH 00189	814378.2	8194941.9	173.8	2	3	50	1119.8	2828.7	610.8	124.6	562.8	128.3	370.5	234.9	382.6	414.1	277.0	334.2	263.9	13.2	86.2	77.4	33.7
SMDH 00189	814378.2	8194941.9	173.8	3	4	75	1705.6	3357.9	1194.2	138.6	548.1	123.8	357.6	226.7	369.2	399.6	362.0	427.0	347.9	14.1	103.1	89.2	33.7
SMDH 00189	814378.2	8194941.9	173.8	4	5	95	1221.5	2399.1	870.6	77.8	417.3	86.6	250.2	158.6	258.3	279.6	145.0	181.5	137.4	7.6	45.5	34.9	19.9
SMDH 00189	814378.2	8194941.9	173.8	5	6	90	1350.6	2765.6	958.5	103.6	357.6	112.8	325.8	206.6	336.4	364.1	221.6	270.1	212.1	9.5	64.9	55.3	29.1
SMDH 00189	814378.2	8194941.9	173.8	6	7	80	1503.4	2673.1	1125.8	98.7	442.4	84.4	243.6	154.5	251.5	272.2	225.3	271.8	216.1	9.2	64.1	53.3	26.0
SMDH 00189	814378.2	8194941.9	173.8	7	8	90	1437.2	3017.7	966.2	111.9	533.4	117.9	340.5	215.9	351.5	380.5	234.0	286.3	223.0	11.0	71.8	59.0	29.1
SMDH 00189	814378.2	8194941.9	173.8	8	9	90	1841.4	3556.2	1299.9	152.4	576.7	128.0	369.7	234.4	381.8	413.2	294.5	366.0	279.4	15.1	93.7	74.0	38.3
SMDH 00189	814378.2	8194941.9	173.8	9	10	70	1561.1	3075.4	1108.1	111.1	503.1	113.4	327.6	207.7	338.3	366.1	239.2	291.2	228.4	10.8	70.8	58.6	29.1
SMDH 00190	814260.0	8194948.6	173.0	0	1	20	2022.9	4529.2	1133.5	136.6	1511.8	146.5	423.0	268.2	436.8	472.7	701.3	763.2	680.1	21.3	186.7	178.0	16.8
SMDH 00190	814260.0	8194948.6	173.0	1	2	50	1364.4	3864.4	745.4	122.8	582.7	202.4	584.3	370.5	603.3	653.0	300.9	357.4	286.6	14.3	88.1	72.8	27.6
SMDH 00190	814260.0	8194948.6	173.0	2	3	60	1867.6	5590.6	1057.6	157.7	552.8	320.5	925.5	586.8	955.5	1034.2	245.7	319.0	228.0	17.8	90.5	63.1	35.2
SMDH 00190	814260.0	8194948.6	173.0	3	4	80	1563.5	2783.2	1134.2	131.1	488.6	86.3	249.2	158.0	257.3	278.5	340.2	400.9	324.8	15.4	99.3	83.0	27.6
SMDH 00190	814260.0	8194948.6	173.0	4	5	98	1429.7	3106.2	927.8	139.7	497.6	129.2	373.1	236.6	385.2	416.9	281.9	346.2	264.0	17.9	95.6	70.5	26.0
SMDH 00190	814260.0	8194948.6	173.0	5	6	95	1108.7	2239.8	782.7	83.7	328.1	87.6	253.1	160.5	261.3	282.8	229.9	268.4	219.5	10.4	67.9	57.1	16.8
SMDH 00190	814260.0	8194948.6	173.0	6	7	75	1383.1	2595.3	991.3	107.2	442.3	88.4	255.3	161.9	263.6	285.3	285.2	334.9	272.2	12.9	85.2	70.5	21.4
SMDH 00190	814260.0	8194948.6	173.0	7	8	85	1501.1	2938.5	1037.4	124.7	530.3	104.5	301.7	191.3	311.5	337.1	292.3	349.6	276.1	16.2	91.9	71.8	23.0
SMDH 00190	814260.0	8194948.6	173.0	8	9	90	1514.1	2963.6	1037.8	134.0	536.5	105.2	303.9	192.7	313.8	339.6	295.4	357.6	278.7	16.6	99.4	75.7	24.5
SMDH 00190	814260.0	8194948.6	173.0	9	10	90	1695.3	3162.0	1150.0	142.5	747.6	94.1	271.6	172.2	280.4	303.5	349.6	415.0	331.4	18.2	107.0	84.6	27.6
SMDH 00190	814260.0	8194948.6	173.0	10	11	85	1666.1	3085.4	1199.6	141.8	487.4	105.4	304.2	192.9	314.1	340.0	369.6	434.7	352.0	17.6	108.8	89.3	29.1
SMDH 00190	814260.0	8194948.6	173.0	11	12	95	1823.3	3137.5	1297.1	142.4	753.2	79.2	228.7	145.0	236.2	255.6	419.4	484.7	400.3	19.1	124.1	103.5	24.5
SMDH 00190	814260.0	8194948.6	173.0	12	13	90	1842.4	3383.2	1364.2	136.7	488.9	116.8	337.4	213.9	348.3	377.0	376.6	440.0	360.7	15.8	109.1	92.9	29.1
SMDH 00190	814260.0	8194948.6	173.0	13	14	80	1757.3	3352.1	1178.4	160.5	742.1	106.6	307.8	195.1	317.8	343.9	388.0	462.0	368.3	19.8	118.4	94.9	32.1
SMDH 00191	814138.9	8194955.0	171.2	0	1	50	2079.5	3805.5	1276.6	156.6	1506.1	72.6	209.7	133.0	216.5	234.3	790.4	860.7	765.6	24.8	205.1	196.5	19.9
SMDH 00191	814138.9	8194955.0	171.2	1	2	50	954.8	2242.9	540.8	94.9	530.6	90.3	260.7	165.3	269.1	291.3	324.9	368.8	315.0	10.0	78.2	74.3	24.5
SMDH 00191	814138.9	8194955.0	171.2	2	3	80	1752.3	3191.9	1309.2	111.1	503.8	106.3	307.0	194.6	316.9	343.0	330.3	381.8	317.6	12.7	90.8	80.2	24.5
SMDH 00191	814138.9	8194955.0	171.2	3	4	80	2098.2	3687.7	1588.4	140.7	565.3	116.8	337.4	213.9	348.3	377.0	411.6	476.8	394.9	16.6	118.1	102.1	29.1
SMDH 00191	814138.9	8194955.0	171.2	4	5	85	2508.2	4707.0	1663.4	172.4	1370.1	125.9	363.4	230.4	375.2	406.1	410.1	490.5	389.2	20.8	128.8	101.3	32.1
SMDH 00191	814138.9	8194955.0	171.2	5	6	95	1614.1	3017.5	1119.7	141.1	598.5	97.1	280.4	177.8	289.5	313.4	352.0	417.4	335.3	16.7	106.7	87.3	29.1
SMDH 00191	814138.9	8194955.0	171.2	6	7	80	2076.8	3751.7	1506.5	145.0	728.0	115.1	332.2	210.7	343.0	371.3	433.8	501.0	416.8	16.9	121.7	107.1	30.6
SMDH 00191	814138.9	8194955.0	171.2	7	8	98	2566.8	4418.4	1979.4	152.8	675.8	135.0	389.9	247.2	402.6	435.7	405.4	476.2	387.0	18.4	119.4	99.8	30.6
SMDH 00191	814138.9	8194955.0	171.2	8	9	85	1582.9	3085.0	1131.7	102.7	533.2	110.5	319.0	202.2	329.3	356.4	327.9	375.6	315.9	12.0	89.6	79.9	21.4
SMDH 00191	814138.9	8194955.0	171.2	9	10	80	1680.7	3165.5	1192.3	137.4	550.7	107.7	311.1	197.3	321.2	347.7	427.4	490.5	409.3	18.1	122.8	106.0	24.5
SMDH 00192	814021.0	8194956.0	169.0	0	1	50	2591.7	4756.9	1645.7	147.0	1846.7	93.7	270.6	171.6	279.4	302.4	1006.7	1072.4	983.0	23.7	245.9	253.4	18.4
SMDH 00192	814021.0	8194956.0	169.0	1	2	50	1814.6	3789.1	1177.7	154.8	788.0	139.9	404.0	256.1	417.1	451.4	579.1	650.6	559.2	19.9	163.1	150.8	27.6
SMDH 00192	814021.0	8194956.0	169.0	2	3	75	2220.6	4314.0	1512.2	185.7	877.5	145.8	420.9	266.9	434.6	470.4	751.3	836.4	725.4	25.9	211.8	195.8	29.1
SMDH 00192	814021.0	8194956.0	169.0	3	4	40	1989.6	3683.1	1421.9	147.1	701.8	118.4	341.9	216.8	353.0	382.1	629.7	695.3	606.7	23.0	179.5	168.9	21.4
SMDH 00192	814021.0	8194956.0	169.0	4	5	90	1855.8	3467.9	1327.1	131.5	656.5	113.4	327.5	207.7	338.2	366.0	556.9	616.8	538.4	18.4	155.1	146.4	21.4
SMDH 00192	814021.0	8194956.0	169.0	5	6	80	2176.7	3868.9	1626.1	130.8	699.8	118.4	341.9	216.8	353.0	382.1	664.7	724.4	646.5	18.2	176.0	173.2	21.4
SMDH 00193	813898.5	8194938.0	166.4	0	1	40	1080.2	2133.1	675.6	66.0	716.6	56.6	163.4	103.6	168.7	182.6	416.4	446.3	405.6	10.8	110.0	108.2	6.1
SMDH 00193	813898.5	8194938.0	166.4	1	2	40	913.8	2045.8	521.1	85.8	562.5	73.5	212.2	134.5	219.1	237.1	334.4	373.7	323.0	11.4	90.8	82.6	15.3
SMDH 00193	813898.5	8194938.0	166.4	2	3	60	1132.1	2312.3	734.6	93.2	529.4	80.1	231.2	146.6	238.7	258.4	385.3	428.4	374.4	11.0	100.7	95.5	19.9
SMDH 00193	813898.5	8194938.0	166.4	3	4	75	1600.1	2949.7	1140.5	126.7	551.1	94.9	273.9	173.7	282.8	306.1	443.0	501.4	426.7	16.2	129.4	114.7	23.0
SMDH 00193	813898.5	8194938.0	166.4	4	5	95	1686.3	3172.1	1187.6	117.9	658.2	101.3	292.6	185.5	302.1	326.9	365.8	420.3	349.9	15.9	114.9	97.3	18.4
SMDH 00193	813898.5	8194938.0	166.4	5	6	90	2653.6	4128.5	2162.8	112.6	654.3	100.5	290.2	184.0	299.7	324.3	433.4	486.0	420.0	13.4	123.1	114.4	21.4
SMDH 00193	813898.5	8194938.0	166.4	6	7	90	1797.1	3410.1	1235.4	164.4	656.5	113.5	327.8	207.8	338.4	366.3	507.0	582.2	483.5	23.4	159.0	132.0	24.5
SMDH 00193	813898.5	8194938.0	166.4	7	8	95	1581.0	2903.5	1125.0	132.9	528.4	93.7	270.5	171.5	279.3	302.3	420.5	482.3	403.3	17.2	129.5	109.6	21.4
SMDH 00193	813898.5	8194938.0	166.4	8	9	90	1783.7	3593.2	1154.1	117.7	976.9	112.7	325.5	206.4	336.1	363.8	411.7	466.5	397.6	14.1	118.6	105.9	23.0
SMDH 00194	813777.0	8194943.9	164.6	0	1	45	924.0	1964.3	559.7	77.5	534.3	66.5	192.0	121.7	198.2	214.5	328.3	364.2	317.9	10.4	91.1	82.2	12.2
SMDH 00194	813777.0	8194943.9	164.6	1	2	60	2097.9	3862.5	1535.2	117.5	756.3	121.9	351.9	223.1	363.4	393.3	671.6	726.2	657.4	14.2	170.1	170.6	23.0
SMDH 00194	813777.0	8194943.9	164.6	2	3	40	2649.2	3788.6	2188.9	135.1	625.5	70.4	203.2	128.8	209.8	227.0	669.2	730.3	647.8	21.4	183.1	168.6	15.3
SMDH 00194	813777.0	8194943.9	164.6	3	4	80	2149.5	3744.2	1593.9	140.0	731.9	107.2	309.5	196.3	319.6	345.9	472.2	537.6	454.0	18.2	141.6	119.0	21.4
SMDH 00194	813777.0	8194943.9	164.6	4	5	95	2031.8	3506.0	1533.0	132.5	611.6	103.0	297.5	188.6	307.2	332.5	468.0	529.3	450.0	18.0	138.4	118.3	19.9
SMDH 00194	813777.0	8194943.9	164.6	5	6	95	2064.4	3789.1	1447.4	166.8	794.1	115.8	334.3	212.0	345.2	373.6	592.3	669.5	569.5	22.8	174.0	147.7	24.5
SMDH 00194	813777.0	8194943.9	164.6	6	7	95	1666.0	3065.9	1187.1	140.6	545.6	100.0	288.7	183.1	298.1	322.7	518.0	582.9	498.7	19.2	151.0	131.7	21.4
SMDH 00194	813777.0	8194943.9	164.6	7	8	85	2115.1	3613.1	1605.9	130.7	644.3	103.3	298.3	189.2	308.0	333.4	628.0	688.2	610.5	17.5	171.9	164.7	21.4
SMDH 00194	813777.0	8194943.9	164.6	8	9	85	2401.8	4306.0	1794.7	131.9	796.9	132.7	383.1	242.9	395.6	428.1	747.9	808.5	730.4	17.5	190.7	191.8	23.0
SMDH 00194	813777.0	8194943.9	164.6	9	10	80	2026.8	3840.5	1475.9	98.1	760.2	126.3	364.7	231.2	376.6	407.6	589.3	634.3	577.5	11.8	143.3	148.5	21.4
SMDH 00195	813658.3	8194958.2	165.4	0	1	20	2599.5	4785.7	1550.1	183.1	2081.3	81.4	235.1	149.1	242.8	262.8	928.2	1010.9	898.7	29.5	260.3	244.4	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00195	813658.3	8194958.2	165.4	1	2	30	4192.2	5459.8	3735.8	109.0	643.7	81.4	235.1	149.1	242.8	262.8	442.1	491.9	426.6	15.5	127.1	115.6	16.8
SMDH 00195	813658.3	8194958.2	165.4	2	3	40	3979.4	5100.1	3583.7	107.5	500.4	76.2	219.9	139.5	227.1	245.8	375.0	424.4	360.2	14.8	111.3	96.5	16.8
SMDH 00195	813658.3	8194958.2	165.4	3	4	60	2629.4	4173.6	2071.8	115.3	853.4	95.0	274.3	173.9	283.3	306.6	466.1	519.5	451.2	14.9	130.1	119.2	19.9
SMDH 00195	813658.3	8194958.2	165.4	4	5	80	2139.3	3642.2	1640.8	122.2	633.8	104.4	301.5	191.2	311.3	337.0	482.3	538.5	465.7	16.6	138.4	125.7	19.9
SMDH 00195	813658.3	8194958.2	165.4	5	6	75	2169.7	3888.1	1587.1	100.8	911.8	108.0	311.9	197.8	322.1	348.6	519.8	566.3	507.3	12.5	133.6	132.5	19.9
SMDH 00195	813658.3	8194958.2	165.4	6	7	50	2254.8	4339.1	1618.9	99.3	932.5	141.6	408.8	259.2	422.1	456.8	424.1	469.9	412.3	11.8	108.1	104.0	21.4
SMDH 00195	813658.3	8194958.2	165.4	7	8	70	1959.2	3653.2	1418.7	88.8	814.4	111.6	322.3	204.4	332.8	360.2	478.6	519.7	468.4	10.2	115.3	117.4	19.9
SMDH 00196	813537.9	8194953.3	164.1	0	1	50	2423.8	4575.6	1427.6	173.0	1941.0	86.7	250.3	158.7	258.5	279.8	886.8	966.2	859.9	26.9	240.0	222.5	16.8
SMDH 00196	813537.9	8194953.3	164.1	1	2	40	2122.7	3594.3	1612.1	149.4	594.0	103.9	299.9	190.2	309.7	335.2	495.6	564.7	474.9	20.7	151.0	126.6	21.4
SMDH 00196	813537.9	8194953.3	164.1	2	3	40	4782.8	9927.9	2231.2	149.0	6219.6	111.3	321.5	203.9	332.0	359.3	519.4	589.7	503.6	15.8	144.5	131.3	32.1
SMDH 00196	813537.9	8194953.3	164.1	3	4	85	1655.3	3523.2	1038.0	131.3	854.1	125.7	363.1	230.2	374.9	405.8	587.2	648.2	570.6	16.6	154.9	144.7	23.0
SMDH 00196	813537.9	8194953.3	164.1	4	5	95	2928.7	4758.1	2321.9	143.8	789.3	126.0	363.9	230.7	375.7	406.7	611.1	677.3	592.4	18.7	163.6	153.5	26.0
SMDH 00196	813537.9	8194953.3	164.1	5	6	75	2083.1	3957.9	1464.4	155.9	766.5	131.7	380.4	241.2	392.8	425.1	666.5	738.2	646.0	20.6	177.3	167.9	27.6
SMDH 00197	813419.9	8194948.4	162.4	0	1	40	1515.6	3091.1	805.0	121.3	1372.7	66.4	191.8	121.6	198.0	214.3	417.1	473.0	399.5	17.6	121.4	100.5	15.3
SMDH 00197	813419.9	8194948.4	162.4	1	2	50	1702.0	3190.8	1180.8	80.1	876.1	88.4	255.1	161.8	263.4	285.1	279.2	316.5	269.5	9.7	78.0	68.7	15.3
SMDH 00197	813419.9	8194948.4	162.4	2	3	75	2318.1	3704.6	1863.3	74.3	705.9	89.0	256.9	162.9	265.2	287.1	295.3	330.1	286.9	8.4	77.4	71.3	15.3
SMDH 00197	813419.9	8194948.4	162.4	3	4	80	2766.4	4601.2	2127.0	167.1	820.9	124.6	359.8	228.2	371.5	402.1	523.9	600.4	500.5	23.4	152.9	127.3	26.0
SMDH 00197	813419.9	8194948.4	162.4	4	5	80	1509.5	3080.3	968.5	137.8	698.5	106.9	308.8	195.8	318.8	345.1	421.3	484.8	402.5	18.8	125.2	101.5	21.4
SMDH 00197	813419.9	8194948.4	162.4	5	6	90	2008.7	3828.8	1479.2	80.5	742.9	128.0	369.5	234.3	381.5	412.9	258.4	296.4	250.7	7.7	67.5	61.0	19.9
SMDH 00197	813419.9	8194948.4	162.4	6	7	85	1520.9	2875.9	1034.4	108.6	711.8	85.6	247.2	156.8	255.3	276.3	342.9	393.6	329.7	13.2	97.1	81.9	19.9
SMDH 00197	813419.9	8194948.4	162.4	7	8	98	1687.2	3595.0	1055.3	165.2	764.7	135.0	389.7	247.1	402.4	435.5	460.7	534.4	436.3	24.5	136.1	114.1	29.1
SMDH 00197	813419.9	8194948.4	162.4	8	9	90	1811.6	3403.8	1203.7	190.3	740.3	106.4	307.4	194.9	317.4	343.5	469.5	558.4	446.2	23.3	150.0	117.7	33.7
SMDH 00197	813419.9	8194948.4	162.4	9	10	80	1521.2	3020.4	983.2	153.3	666.3	102.1	294.8	186.9	304.4	329.4	470.4	540.9	450.0	20.5	140.6	119.6	26.0
SMDH 00197	813419.9	8194948.4	162.4	10	11	75	1376.5	2460.7	975.5	113.7	514.6	71.8	207.5	131.5	214.2	231.8	314.7	368.0	301.0	13.7	97.3	78.8	19.9
SMDH 00198	813299.8	8194936.2	161.6	0	1	40	1853.1	4104.4	914.3	130.5	1838.6	102.4	295.6	187.4	305.2	330.3	509.8	569.1	490.5	19.3	139.3	125.1	18.4
SMDH 00198	813299.8	8194936.2	161.6	1	2	50	1772.7	4080.6	1002.9	117.5	1243.7	143.9	415.6	263.5	429.1	464.4	444.7	498.6	428.4	16.4	124.2	111.2	18.4
SMDH 00198	813299.8	8194936.2	161.6	2	3	70	1970.8	3563.5	1299.4	141.7	1147.1	81.8	236.1	149.7	243.8	263.8	640.9	706.3	622.9	18.0	164.2	157.9	26.0
SMDH 00198	813299.8	8194936.2	161.6	3	4	50	2033.0	3637.7	1581.0	66.1	619.0	115.0	332.1	210.6	342.9	371.1	353.4	384.3	346.8	6.6	82.2	86.6	16.8
SMDH 00198	813299.8	8194936.2	161.6	4	5	75	2025.1	4038.2	1479.4	70.6	744.0	146.2	422.3	267.8	436.0	471.9	328.3	361.4	322.0	6.4	77.9	80.6	19.9
SMDH 00198	813299.8	8194936.2	161.6	5	6	70	1473.3	3307.0	993.9	66.5	605.4	137.6	397.3	251.9	410.3	444.0	282.4	313.5	276.6	5.8	66.1	68.2	19.9
SMDH 00198	813299.8	8194936.2	161.6	6	7	60	1816.1	3401.8	1388.3	64.6	545.6	117.7	339.8	215.4	350.8	379.7	301.8	331.9	295.0	6.8	75.4	75.4	15.3
SMDH 00198	813299.8	8194936.2	161.6	7	8	98	1579.5	3675.3	978.6	95.5	813.3	149.9	432.9	274.5	446.9	483.7	365.5	410.1	355.5	10.1	94.5	91.6	23.0
SMDH 00198	813299.8	8194936.2	161.6	8	9	80	1587.8	3439.4	1034.3	123.4	659.4	136.0	392.8	249.0	405.6	438.9	475.9	532.6	459.5	16.4	132.1	120.2	21.4
SMDH 00198	813299.8	8194936.2	161.6	9	10	75	1354.5	2997.9	920.1	81.5	479.9	127.1	367.1	232.8	379.0	410.2	369.7	407.0	359.0	10.8	95.3	91.0	15.3
SMDH 00198	813299.8	8194936.2	161.6	10	11	90	1380.9	3378.7	758.7	66.4	1044.6	126.5	365.4	231.7	377.2	408.3	224.1	255.2	218.0	6.1	57.3	55.2	18.4
SMDH 00198	813299.8	8194936.2	161.6	11	12	90	1220.4	2777.8	788.4	85.4	499.0	117.8	340.2	215.7	351.2	380.1	364.6	403.8	353.8	10.9	94.2	89.2	16.8
SMDH 00198	813299.8	8194936.2	161.6	12	13	80	1291.2	2943.3	811.0	98.6	580.2	121.9	351.9	223.1	363.4	393.3	389.0	435.3	379.7	9.3	95.7	95.1	26.0
SMDH 00198	813299.8	8194936.2	161.6	13	14	95	696.4	1480.4	479.4	50.5	222.1	61.1	176.4	111.8	182.1	197.1	149.3	172.7	144.2	5.0	40.0	36.5	13.8
SMDH 00199	813172.8	8194934.9	161.1	0	1	20	775.8	1775.2	422.7	56.6	589.6	59.2	171.0	108.4	176.6	191.1	217.0	242.7	208.6	8.4	64.3	56.5	7.7
SMDH 00199	813172.8	8194934.9	161.1	1	2	30	1324.0	2953.2	706.9	101.7	1078.0	89.4	258.3	163.7	266.7	288.6	389.5	435.7	374.3	15.2	112.5	98.9	13.8
SMDH 00199	813172.8	8194934.9	161.1	2	3	75	1564.0	3167.7	985.1	110.2	920.1	96.6	279.0	176.9	288.0	311.7	458.0	508.8	442.9	15.1	125.0	113.7	16.8
SMDH 00199	813172.8	8194934.9	161.1	3	4	40	2252.0	3522.4	1856.3	101.3	449.9	93.5	269.9	171.2	278.7	301.6	310.0	356.8	297.6	12.4	92.7	80.6	19.9
SMDH 00199	813172.8	8194934.9	161.1	4	5	75	1911.5	3030.1	1538.4	88.8	487.1	76.8	221.7	140.6	228.9	247.8	265.0	306.0	255.2	9.8	75.1	68.6	21.4
SMDH 00199	813172.8	8194934.9	161.1	5	6	75																	
SMDH 00199	813172.8	8194934.9	161.1	6	7	85	1386.1	2285.7	1099.1	51.9	415.2	60.3	174.2	110.5	179.9	194.7	260.8	284.8	255.5	5.3	61.4	63.3	13.8
SMDH 00199	813172.8	8194934.9	161.1	7	8	85	1150.6	2350.0	745.0	43.4	730.4	69.7	201.2	127.6	207.8	224.9	186.4	206.6	182.8	3.6	44.8	46.8	13.8
SMDH 00199	813172.8	8194934.9	161.1	8	9	80	1497.6	2907.0	1002.3	74.6	840.7	83.0	239.5	151.9	247.3	267.7	429.2	463.6	421.5	7.8	98.9	106.2	19.9
SMDH 00200	813052.6	8194924.3	160.7	0	1	50	892.6	1960.3	483.4	88.4	644.6	62.4	180.1	114.2	186.0	201.3	256.6	297.4	244.2	12.5	83.6	68.0	12.2
SMDH 00200	813052.6	8194924.3	160.7	1	2	60	910.9	2036.5	511.7	94.3	558.3	73.1	211.1	133.9	218.0	236.0	285.4	329.3	273.3	12.1	88.3	74.0	15.3
SMDH 00200	813052.6	8194924.3	160.7	2	3	50	1438.9	3051.9	733.4	112.0	1369.7	70.2	202.6	128.5	209.2	226.4	404.8	456.3	389.3	15.5	119.3	106.0	16.8
SMDH 00200	813052.6	8194924.3	160.7	3	4	60	2411.7	4580.2	1555.6	150.0	1507.6	114.6	331.0	209.8	341.7	369.8	650.7	719.9	630.2	20.5	183.4	171.1	23.0
SMDH 00200	813052.6	8194924.3	160.7	4	5	75	2818.5	4503.2	2142.8	152.4	1079.6	94.6	273.2	173.2	282.1	305.3	1052.2	1120.9	1028.1	24.2	261.1	266.6	18.4
SMDH 00200	813052.6	8194924.3	160.7	5	6	80	1988.9	3497.7	1523.4	98.5	597.0	107.2	309.6	196.3	319.7	346.0	318.6	363.8	305.9	12.7	95.7	84.0	18.4
SMDH 00200	813052.6	8194924.3	160.7	6	7	75	1377.6	3000.5	834.0	118.3	753.3	108.6	313.5	198.8	323.7	350.4	400.9	455.7	385.9	15.0	115.3	101.8	21.4
SMDH 00200	813052.6	8194924.3	160.7	7	8	75	1499.1	3037.9	1010.0	105.2	643.9	107.2	309.6	196.3	319.7	346.0	340.5	388.9	327.1	13.4	99.2	86.8	19.9
SMDH 00200	813052.6	8194924.3	160.7	8	9	80	1009.3	2062.5	690.0	45.9	479.6	71.0	205.1	130.0	211.7	229.2	71.9	93.4	68.4	3.4	21.1	16.4	15.3
SMDH 00201	812935.9	8194946.1	159.9	0	1	30	1760.8	3863.3	1000.7	184.6	1064.9	135.2	390.5	247.6	403.2	436.4	543.0	628.4	517.5	25.5	167.6	134.1	26.0
SMDH 00201	812935.9	8194946.1	159.9	1	2	40	1626.0	3685.5	962.5	170.2	787.1	148.0	427.5	271.1	441.4	477.7	485.8	565.0	464.3	21.5	146.2	118.9	29.1
SMDH 00201	812935.9	8194946.1	159.9	2	3	30	1803.7	3910.2	969.4	149.1	1462.1	111.5	321.9	204.1	332.4	359.7	582.6	651.4	562.8	19.8	159.5	144.2	24.5
SMDH 00201	812935.9	8194946.1	159.9	3	4	50	1752.4	3640.0	989.7	135.9	1356.6	97.1	280.3	177.7	289.4	313.3	517.2	580.2	500.1	17.1	139.8	127.4	24.5
SMDH 00201	812935.9	8194946.1	159.9	4	5	50	1917.4	3831.2	1162.1	131.9	1331.4	101.1	291.9	185.1	301.4	326.2	706.3	767.1	688.7	17.6	176.4	173.6	21.4
SMDH 00201	812935.9	8194946.1	159.9	5	6	75	5359.7	7368.4	4570.5	283.0	858.9	138.8	400.9	254.2	414.0	448.0	2889.2	3018.4	2843.0	46.2	610.4	646.6	23.0
SMDH 00201	812935.9	8194946.1	159.9	6	7	40	1118.6	2290.4	686.4	108.0	606.1	74.6	215.5	136.6	222.5	240.8	431.7	481.6	418.5	13.2	111.9	104.4	21.4
SMDH 00201	812935.9	8194946.1	159.9	7	8	85	1472.7	2537.3	1062.7	125.4	514.4	70.0	202.1	128.1	208.7	225.9	372.9	431.0	356.7	16.2	110.3	91.2	21.4
SMDH 00201	812935.9	8194946.1	159.9	8	9	80	1981.5	3297.6	1477.4	164.2	593.0	89.1	257.4	163.2	265.7	287.6	452.4	527.5	430.3	22.1	140.3	116.4	29.1
SMDH 00201	812935.9	8194946.1	159.9	9	10	75	1610.9	2895.9	1156.8	146.5	490.5	92.4	266.8	169.2	275.5	298.2	455.8	523.2	436.2	19.6	138.3	118.6	24.5
SMDH 00201	812935.9	8194946.1	159.9	10	11	90	1620.5	3106.5	1136.5	148.1	495.2	111.2	321.2	203.7	331.6	358.9	388.3	456.7	368.7	19.6	128.0	102.8	24.5
SMDH 00201	812935.9	8194946.1	159.9	11	12	90	850.2	1521.2	586.6	46.7	460.4	35.8	103.5	65.6	106.9	115.7	217.4	239.0	212.2	5.3	56.3	56.1	10.7
SMDH 00201	812935.9	8194946.1	159.9	12	13	75	1310.9	2478.3	974.4	79.3	364.5	88.9	256.7	162.7	265.0	286.8	411.2	447.5	401.0	10.2	104.2	104.1	15.3
SMDH 00201	812935.9	8194946.1	159.9	13	14	85	1092.2	2536.2	709.9	59.7	467.4	108.9	314.6	199.4	324.8	351.5	230.7	258.7	225.3	5.4	57.6	57.5	16.8
SMDH 00201	812935.9	8194946.1	159.9	14	15	95	1268.2	2595.2	850.3	96.5	519.9	94.6	273.2	173.2	282.1	305.3	387.0	431.7	375.5	11.4	104.8	99.2	19.9

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00201	812935.9	8194946.1	159.9	15	16	60	1343.4	2477.0	984.9	94.5	405.9	83.1	240.1	152.2	247.9	268.3	326.0	370.3	316.0	10.1	90.5	83.8	21.4
SMDH 00202	812816.8	8194942.1	159.7	0	1	30	1586.2	3798.8	819.0	140.2	1198.4	137.6	397.3	251.9	410.3	444.0	397.2	462.1	379.6	17.6	123.6	103.1	26.0
SMDH 00202	812816.8	8194942.1	159.7	1	2	60	1322.0	3329.0	726.5	137.8	683.4	149.3	431.3	273.4	445.3	481.9	335.1	399.4	319.0	16.1	106.8	85.9	27.6
SMDH 00202	812816.8	8194942.1	159.7	2	3	60	1608.6	3506.0	829.4	98.9	1546.1	86.5	249.8	158.4	257.9	279.1	447.7	492.8	433.6	14.1	121.2	114.0	15.3
SMDH 00202	812816.8	8194942.1	159.7	3	4	50	1821.3	3371.4	1213.4	131.2	975.6	88.1	254.5	161.4	262.8	284.4	626.7	687.6	609.1	17.6	164.1	154.8	19.9
SMDH 00202	812816.8	8194942.1	159.7	4	5	70	3464.1	5645.4	2567.3	209.8	1431.5	120.5	347.8	220.5	359.1	388.7	1176.6	1271.1	1143.9	32.7	308.4	302.3	27.6
SMDH 00202	812816.8	8194942.1	159.7	5	6	75	1365.7	2444.5	970.1	96.3	560.8	68.5	197.9	125.5	204.3	221.1	291.5	336.5	279.7	11.9	85.8	71.4	16.8
SMDH 00202	812816.8	8194942.1	159.7	6	7	50	1821.2	2856.4	1467.9	108.7	383.5	75.1	217.0	137.6	224.0	242.5	246.9	297.6	234.6	12.4	77.6	61.0	23.0
SMDH 00202	812816.8	8194942.1	159.7	7	8	70	1970.8	3135.0	1588.5	89.5	495.7	80.6	232.7	147.6	240.3	260.1	266.6	307.8	255.6	11.0	78.3	67.7	18.4
SMDH 00202	812816.8	8194942.1	159.7	8	9	75	1614.2	2747.7	1198.2	111.4	553.8	74.1	214.1	135.8	221.1	239.3	258.4	309.9	244.1	14.3	83.8	64.5	19.9
SMDH 00202	812816.8	8194942.1	159.7	9	10	60	1952.0	3415.7	1500.0	137.2	429.4	113.1	326.6	207.1	337.3	365.0	408.4	472.1	391.1	17.3	118.6	99.1	24.5
SMDH 00202	812816.8	8194942.1	159.7	10	11	60	2010.9	3664.2	1476.9	197.3	416.5	131.9	380.9	241.5	393.3	425.7	390.2	481.9	365.9	24.3	131.7	95.3	36.7
SMDH 00202	812816.8	8194942.1	159.7	11	12	80	1642.7	2842.4	1247.1	124.1	400.9	89.7	259.1	164.3	267.6	289.6	301.1	357.9	284.7	16.3	93.7	74.0	23.0
SMDH 00202	812816.8	8194942.1	159.7	12	13	50	1122.4	2058.7	689.1	185.2	444.4	62.0	179.2	113.6	185.0	200.2	386.6	470.6	360.6	25.9	129.8	97.7	32.1
SMDH 00202	812816.8	8194942.1	159.7	13	14	90	1108.3	2395.6	746.8	74.3	415.3	97.2	280.7	177.9	289.8	313.6	245.0	279.3	237.0	8.0	65.0	60.6	18.4
SMDH 00202	812816.8	8194942.1	159.7	14	15	75	1605.9	3388.8	1008.9	92.8	962.1	111.1	320.8	203.4	331.2	358.5	379.6	422.8	370.4	9.3	93.7	95.3	24.5
SMDH 00202	812816.8	8194942.1	159.7	15	16	60	1279.7	2394.1	954.6	80.6	344.5	85.1	245.6	155.7	253.6	274.5	456.7	493.8	447.0	9.7	109.1	110.0	16.8
SMDH 00202	812816.8	8194942.1	159.7	16	17	90	646.9	1439.1	414.8	51.4	269.9	58.9	170.2	107.9	175.7	190.2	248.3	272.1	242.2	6.1	63.7	62.9	10.7
SMDH 00202	812816.8	8194942.1	159.7	17	18	85	1197.8	2804.9	749.4	77.7	562.7	118.7	342.6	217.2	353.8	382.9	468.5	503.8	458.3	10.2	116.4	119.8	15.3
SMDH 00202	812816.8	8194942.1	159.7	18	19	80	1022.9	1981.9	681.6	65.5	534.1	58.7	169.6	107.6	175.2	189.6	337.4	367.3	329.6	7.8	82.6	84.4	15.3
SMDH 00202	812816.8	8194942.1	159.7	19	20	60	1403.7	2190.6	1154.3	59.3	306.3	56.2	162.4	102.9	167.6	181.4	435.7	462.7	427.6	8.1	102.0	107.8	10.7
SMDH 00203	812696.7	8194945.0	160.0	0	1	40	1214.4	2689.0	678.5	118.0	798.8	91.7	264.8	167.9	273.4	295.9	320.5	374.8	304.8	15.7	104.4	85.6	19.9
SMDH 00203	812696.7	8194945.0	160.0	1	2	40	1220.5	2917.5	692.7	104.0	711.5	118.2	341.2	216.3	352.3	381.3	266.1	314.4	253.9	12.2	81.1	66.1	21.4
SMDH 00203	812696.7	8194945.0	160.0	2	3	60	1373.2	3115.4	798.6	120.1	801.4	117.0	337.8	214.2	348.8	377.5	320.3	375.8	305.8	14.5	95.7	79.6	24.5
SMDH 00203	812696.7	8194945.0	160.0	3	4	60	1616.8	3601.7	1023.5	188.2	503.5	158.2	456.8	289.6	471.6	510.4	269.4	356.1	245.0	24.5	109.4	68.1	33.7
SMDH 00203	812696.7	8194945.0	160.0	4	5	85	4107.8	5292.3	3756.2	123.0	252.3	97.3	281.1	178.2	290.2	314.1	148.6	205.5	132.3	16.3	70.8	39.7	19.9
SMDH 00203	812696.7	8194945.0	160.0	5	6	90	2229.5	3235.8	1913.3	87.5	339.6	75.1	216.7	137.4	223.8	242.2	137.0	178.0	126.8	10.2	53.3	34.5	16.8
SMDH 00203	812696.7	8194945.0	160.0	6	7	75	1895.4	2916.7	1549.8	84.2	451.2	69.7	201.3	127.6	207.9	225.0	273.7	312.9	264.3	9.4	74.2	66.0	18.4
SMDH 00203	812696.7	8194945.0	160.0	7	8	90	1252.8	1604.2	1164.2	25.1	59.2	29.8	86.1	54.6	88.9	96.3	160.2	171.8	157.0	3.2	37.3	36.7	4.6
SMDH 00203	812696.7	8194945.0	160.0	8	9	80	1593.1	2282.7	1362.8	75.5	226.0	51.8	149.7	94.9	154.6	167.3	197.5	232.2	188.1	9.4	60.3	49.2	15.3
SMDH 00203	812696.7	8194945.0	160.0	9	10	70	2014.6	3105.7	1674.1	96.1	355.3	82.2	237.3	150.5	245.0	265.2	206.2	250.3	193.9	12.4	68.9	52.1	18.4
SMDH 00203	812696.7	8194945.0	160.0	10	11	70	1109.5	1914.9	822.3	85.0	341.7	55.8	161.2	102.2	166.5	180.2	226.2	265.8	216.2	10.0	69.5	56.8	16.8
SMDH 00203	812696.7	8194945.0	160.0	11	12	98	890.1	1679.7	609.4	75.2	361.4	53.1	153.4	97.3	158.4	171.4	241.9	276.7	232.9	9.0	67.8	59.4	15.3
SMDH 00203	812696.7	8194945.0	160.0	12	13	75	1045.1	2183.3	681.0	82.7	466.9	79.9	230.7	146.3	238.2	257.8	237.4	275.6	227.4	10.1	69.4	58.9	16.8
SMDH 00203	812696.7	8194945.0	160.0	13	14	98	999.0	1877.4	682.5	73.9	452.8	56.0	161.8	102.6	167.1	180.8	260.7	295.1	252.7	8.0	69.6	64.6	16.8
SMDH 00203	812696.7	8194945.0	160.0	14	15	95	1008.8	1899.6	700.0	76.3	410.1	59.8	172.7	109.5	178.3	193.0	255.3	290.8	247.2	8.1	66.5	61.2	18.4
SMDH 00203	812696.7	8194945.0	160.0	15	16	90	1406.9	2546.1	997.4	110.1	531.7	76.0	219.5	139.2	226.7	245.3	296.9	348.4	284.9	12.0	84.0	70.6	24.5
SMDH 00203	812696.7	8194945.0	160.0	16	17	98	1522.2	2896.9	1061.3	130.5	529.3	98.6	284.7	180.5	293.9	318.1	320.0	380.8	304.6	15.4	97.8	77.0	26.0
SMDH 00204	812589.2	8194951.9	160.1	0	1	50	1047.1	2453.1	543.5	110.7	741.4	88.7	256.0	162.3	264.3	286.1	277.2	328.5	262.8	14.4	86.7	66.2	18.4
SMDH 00204	812589.2	8194951.9	160.1	1	2	70	1378.7	3262.1	806.6	146.3	628.2	141.0	407.0	258.1	420.3	454.8	317.1	385.2	300.3	16.8	99.8	76.2	30.6
SMDH 00204	812589.2	8194951.9	160.1	2	3	60	1377.2	3290.1	791.1	154.4	635.1	143.3	413.9	262.4	427.4	462.5	328.8	400.9	311.2	17.6	106.4	81.1	32.1
SMDH 00204	812589.2	8194951.9	160.1	3	4	70	670.6	1364.8	436.7	57.1	303.8	47.6	137.3	87.1	141.8	153.5	210.2	236.5	202.5	7.7	61.1	53.8	9.2
SMDH 00204	812589.2	8194951.9	160.1	4	5	70	1348.5	2321.5	1054.7	56.5	387.1	69.0	199.3	126.4	205.8	222.7	138.9	165.6	133.9	5.0	40.4	35.3	15.3
SMDH 00204	812589.2	8194951.9	160.1	5	6	85	1248.7	2075.4	997.0	51.5	323.9	58.9	170.2	107.9	175.7	190.2	297.8	321.8	292.7	5.1	68.2	72.2	13.8
SMDH 00204	812589.2	8194951.9	160.1	6	7	60	1546.2	2697.3	1252.4	39.5	362.5	87.4	252.5	160.1	260.7	282.2	134.1	152.8	131.1	3.0	34.0	33.0	12.2
SMDH 00204	812589.2	8194951.9	160.1	7	8	95	1222.8	2494.6	848.6	82.4	439.8	94.2	272.1	172.5	280.9	304.1	170.4	208.9	162.3	8.1	49.8	39.5	21.4
SMDH 00266	813359.4	8193139.3	170.5	0	1	25	2209.9	4510.2	1180.6	143.1	2097.8	91.3	263.6	167.1	272.2	294.6	695.3	761.1	676.3	19.0	180.8	174.6	24.5
SMDH 00266	813359.4	8193139.3	170.5	1	2	40	1242.6	2766.5	781.4	113.9	518.1	113.4	327.6	207.7	338.3	366.1	452.2	505.2	437.9	14.3	126.3	114.6	19.9
SMDH 00266	813359.4	8193139.3	170.5	2	3	35	1342.1	2738.6	911.4	106.3	497.3	102.6	296.2	187.8	305.9	331.1	308.6	358.3	295.9	12.7	93.6	78.3	19.9
SMDH 00266	813359.4	8193139.3	170.5	3	4	20	2262.1	3330.1	1913.1	96.2	397.1	77.4	223.6	141.8	230.9	249.9	338.0	382.7	326.8	11.2	94.5	86.1	19.9
SMDH 00266	813359.4	8193139.3	170.5	4	5	95	2463.3	4176.8	1855.7	125.1	916.8	107.2	309.7	196.4	319.8	346.1	367.3	425.4	352.3	15.1	110.3	94.4	24.5
SMDH 00266	813359.4	8193139.3	170.5	5	6	98	1370.9	2881.7	932.6	52.5	664.7	103.3	298.2	189.1	307.9	333.3	167.8	192.2	163.5	4.3	40.1	39.4	16.8
SMDH 00266	813359.4	8193139.3	170.5	6	7	98	1639.7	3424.2	1077.1	118.3	743.6	124.5	359.6	228.0	371.3	401.8	338.2	393.7	326.8	11.4	92.8	83.9	30.6
SMDH 00266	813359.4	8193139.3	170.5	7	8	90	2071.8	3460.9	1522.1	247.5	420.1	106.6	307.8	195.1	317.8	343.9	701.7	815.5	670.2	31.6	210.5	179.2	47.5
SMDH 00266	813359.4	8193139.3	170.5	8	9	98	1287.1	2794.4	844.5	72.7	608.7	106.4	307.1	194.7	317.1	343.2	231.0	265.3	224.6	6.4	61.7	57.8	19.9
SMDH 00266	813359.4	8193139.3	170.5	9	10	80	1815.0	3199.7	1398.5	90.6	508.1	100.8	291.1	184.6	300.6	325.3	390.3	432.4	379.5	10.8	102.6	97.5	18.4
SMDH 00266	813359.4	8193139.3	170.5	10	11	90	1681.1	3420.9	1107.2	108.7	841.4	114.3	330.2	209.3	340.9	368.9	355.3	405.9	343.3	12.0	98.2	88.9	24.5
SMDH 00266	813359.4	8193139.3	170.5	11	12	85	1493.5	2908.9	1074.0	64.3	599.8	98.2	283.5	179.7	292.7	316.8	355.2	385.1	349.1	6.0	81.6	87.1	18.4
SMDH 00267	813232.2	8193153.0	168.0	0	1	20	1027.1	2388.2	546.1	138.4	580.5	94.2	271.9	172.4	280.8	303.9	292.5	357.0	273.5	18.9	107.0	73.8	18.4
SMDH 00267	813232.2	8193153.0	168.0	1	2	20	931.6	2294.2	480.4	124.9	520.7	97.9	282.8	179.3	292.0	316.0	250.5	308.5	232.4	18.1	96.8	62.8	13.8
SMDH 00267	813232.2	8193153.0	168.0	2	3	30	1386.5	2970.9	669.5	352.6	550.7	117.2	338.5	214.6	349.5	378.2	383.9	555.3	336.6	47.3	235.6	101.8	21.4
SMDH 00267	813232.2	8193153.0	168.0	3	4	20	1106.0	2492.6	667.2	135.9	423.6	106.1	306.5	194.3	316.4	342.5	360.9	423.4	340.5	20.4	121.2	90.0	15.3
SMDH 00267	813232.2	8193153.0	168.0	4	5	55	988.5	2223.0	618.7	112.8	331.4	97.3	280.9	178.1	290.0	313.9	249.9	301.8	232.9	17.0	93.7	64.4	12.2
SMDH 00267	813232.2	8193153.0	168.0	5	6	40	1595.0	3234.7	1044.4	165.9	597.3	119.7	345.5	219.1	356.7	386.1	356.2	432.3	331.4	24.7	130.8	90.0	19.9
SMDH 00267	813232.2	8193153.0	168.0	6	7	40	1216.2	2521.8	825.2	89.8	457.2	96.4	278.3	176.5	287.4	311.0	329.1	370.5	317.8	11.3	88.6	79.8	16.8
SMDH 00267	813232.2	8193153.0	168.0	7	8	70	1336.0	2942.3	865.6	81.7	628.7	114.6	330.8	209.7	341.6	369.7	320.3	357.9	311.2	9.0	81.9	79.0	19.9
SMDH 00267	813232.2	8193153.0	168.0	8	9	60	1583.2	2976.6	1179.1	63.3	558.2	98.6	284.7	180.5	294.0	318.2	309.0	338.3	302.5	6.5	74.4	77.3	16.8
SMDH 00267	813232.2	8193153.0	168.0	9	10	60	1309.8	2781.6	878.5	65.4	611.5	102.8	296.9	188.2	306.5	331.8	293.9	324.0	287.4	6.5	70.5	73.0	18.4
SMDH 00267	813232.2	8193153.0	168.0	10	11	70	1227.4	2467.0	848.4	53.9	576.4	82.9	239.3	151.7	247.1	267.4	231.1	256.3	226.6	4.5	52.6	54.3	16.8
SMDH 00267	813232.2	8193153.0	168.0	11	12	95	1403.0	2733.2	1039.7	62.3	444.5	99.5	287.3	182.2	296.6	321.0	326.9	355.6	320.5	6.4	78.0	81.4	16.8
SMDH 00267	813232.2	8193153.0	168.0	12	13	98	1218.4	2545.4	823.4	75.7	512.6	95.1	274.5	174.0	283.4	306.7	278.5	313.3	269.1	9.4	76.3	70.5	15.3

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00267	813232.2	8193153.0	168.0	13	14	98	1359.0	2961.1	917.5	67.1	578.5	117.2	338.5	214.6	349.5	378.2	407.1	437.9	399.2	7.9	97.0	101.2	15.3
SMDH 00267	813232.2	8193153.0	168.0	14	15	98	1260.9	2781.8	863.9	69.5	447.7	117.4	339.1	215.0	350.1	379.0	412.5	444.8	405.1	7.4	94.5	98.3	16.8
SMDH 00267	813232.2	8193153.0	168.0	15	16	85	877.2	1576.6	652.5	69.3	223.2	53.0	152.9	97.0	157.9	170.9	198.4	230.4	189.4	8.9	60.1	48.7	12.2
SMDH 00267	813232.2	8193153.0	168.0	16	17	95	1216.2	2422.5	866.4	69.6	429.3	88.6	255.9	162.3	264.3	286.0	247.2	279.5	240.1	7.0	63.2	60.8	18.4
SMDH 00267	813232.2	8193153.0	168.0	17	18	80	1345.7	2365.9	1010.8	46.5	550.2	63.6	183.6	116.4	189.6	205.2	117.9	139.8	114.1	3.9	32.0	28.7	13.8
SMDH 00268	813118.4	8193141.8	172.1	0	1	20	1317.6	2700.8	825.0	83.4	812.0	82.2	237.4	150.5	245.1	265.3	478.8	516.7	467.0	11.8	117.8	117.4	13.8
SMDH 00268	813118.4	8193141.8	172.1	1	2	40	1108.8	2545.4	668.8	85.8	585.7	101.0	291.8	185.0	301.3	326.0	382.3	421.5	369.9	12.4	101.1	92.2	12.2
SMDH 00268	813118.4	8193141.8	172.1	2	3	40	1305.1	2569.2	908.1	59.5	609.6	83.2	240.2	152.3	248.0	268.4	353.0	379.6	343.4	9.6	89.6	88.4	7.7
SMDH 00268	813118.4	8193141.8	172.1	3	4	20	1056.6	2024.2	732.4	55.5	504.2	61.4	177.2	112.4	183.0	198.1	282.4	308.0	274.5	7.9	72.5	67.7	7.7
SMDH 00268	813118.4	8193141.8	172.1	4	5	85	1664.5	2863.4	1286.5	80.0	497.7	83.8	241.9	153.4	249.8	270.4	708.3	743.4	694.0	14.3	159.9	168.4	7.7
SMDH 00268	813118.4	8193141.8	172.1	5	6	95	1311.8	2659.1	888.7	76.3	602.6	91.5	264.3	167.6	272.8	295.3	456.9	491.5	444.6	12.4	118.3	113.7	7.7
SMDH 00268	813118.4	8193141.8	172.1	6	7	45	1376.0	2486.6	1103.7	62.2	221.3	92.2	266.2	168.8	274.8	297.4	483.0	510.8	472.5	10.5	116.0	117.1	6.1
SMDH 00268	813118.4	8193141.8	172.1	7	8	55	1139.6	2494.3	761.7	72.0	450.2	101.5	293.0	185.8	302.6	327.5	363.0	396.3	354.9	8.0	86.6	87.0	16.8
SMDH 00268	813118.4	8193141.8	172.1	8	9	75	1060.4	2433.5	676.4	53.3	531.4	98.3	283.9	180.0	293.1	317.2	376.4	401.4	369.5	6.9	90.4	90.8	7.7
SMDH 00268	813118.4	8193141.8	172.1	9	10	35	873.3	2071.2	555.9	49.0	390.7	90.2	260.4	165.1	268.9	291.0	283.9	306.2	277.8	6.0	65.2	66.3	10.7
SMDH 00268	813118.4	8193141.8	172.1	10	11	85	990.6	2321.8	652.9	57.1	369.7	104.1	300.7	190.7	310.5	336.1	305.4	331.5	298.4	6.9	72.8	73.2	12.2
SMDH 00268	813118.4	8193141.8	172.1	11	12	90	1770.3	3563.1	1275.2	107.2	534.7	138.0	398.5	252.7	411.5	445.4	532.7	581.6	518.4	14.2	133.4	130.2	19.9
SMDH 00268	813118.4	8193141.8	172.1	12	13	30	961.9	2362.5	551.6	62.6	579.5	98.0	283.0	179.4	292.2	316.2	240.1	269.2	234.0	6.1	59.8	59.1	16.8
SMDH 00268	813118.4	8193141.8	172.1	13	14	85	956.1	2654.3	494.2	60.3	630.5	123.2	355.8	225.6	367.3	397.5	238.3	266.3	232.5	5.8	55.9	55.6	16.8
SMDH 00268	813118.4	8193141.8	172.1	14	15	95	1667.0	3620.5	1173.9	77.7	555.9	152.0	438.9	278.3	453.2	490.5	470.9	506.7	462.5	8.4	107.4	115.5	19.9
SMDH 00268	813118.4	8193141.8	172.1	15	16	45	1400.4	2612.1	1040.8	60.7	494.8	85.2	245.9	155.9	253.9	274.8	402.1	429.7	394.2	7.9	93.7	98.7	12.2
SMDH 00268	813118.4	8193141.8	172.1	16	17	65	1251.1	2678.1	873.2	75.0	404.3	111.1	321.0	203.5	331.4	358.7	313.8	348.6	305.9	7.9	79.0	78.8	18.4
SMDH 00268	813118.4	8193141.8	172.1	17	18	30	1521.4	3019.1	1132.7	61.4	458.0	114.6	331.0	209.8	341.7	369.8	453.6	481.7	447.1	6.5	100.5	112.2	16.8
SMDH 00268	813118.4	8193141.8	172.1	18	19	30	971.5	2184.8	640.7	46.7	440.3	88.6	255.9	162.3	264.3	286.0	245.9	267.2	240.7	5.2	58.5	61.2	12.2
SMDH 00268	813118.4	8193141.8	172.1	19	20	98	1215.9	2816.1	789.0	57.4	561.4	118.1	341.0	216.2	352.0	381.0	323.8	350.2	317.7	6.1	72.9	78.6	15.3
SMDH 00268	813118.4	8193141.8	172.1	20	21	40	995.2	2264.6	648.4	45.0	476.7	91.8	265.0	168.0	273.6	296.1	265.7	286.4	260.6	5.1	63.1	66.0	10.7
SMDH 00268	813118.4	8193141.8	172.1	21	22	35	1132.4	2296.4	792.3	46.7	498.0	80.4	232.3	147.3	239.8	259.6	275.7	297.2	270.8	4.9	62.4	65.9	12.2
SMDH 00268	813118.4	8193141.8	172.1	22	23	80	1251.9	2718.6	844.3	64.9	529.3	107.3	309.9	196.5	320.0	346.3	393.0	423.2	386.4	6.6	89.7	95.6	16.8
SMDH 00268	813118.4	8193141.8	172.1	23	24	80	1209.9	2934.4	755.1	67.2	566.8	129.6	374.1	237.2	386.3	418.1	341.5	372.6	334.4	7.1	78.2	80.2	16.8
SMDH 00268	813118.4	8193141.8	172.1	24	24.1	20	1163.4	2575.4	784.2	74.1	419.1	108.8	314.2	199.2	324.5	351.2	434.1	468.0	424.8	9.3	107.6	111.3	15.3
SMDH 00269	813003.7	8193142.5	172.8	0	1	40	1144.6	2176.0	706.0	83.4	787.3	50.2	145.1	92.0	149.8	162.1	434.8	473.2	421.8	13.1	115.2	106.1	7.7
SMDH 00269	813003.7	8193142.5	172.8	1	2	45	1077.9	2104.0	741.6	74.4	451.0	70.2	202.7	128.5	209.3	226.5	394.5	428.6	384.8	9.7	100.3	100.3	13.8
SMDH 00269	813003.7	8193142.5	172.8	2	3	90	1166.8	1999.2	884.6	76.3	342.0	58.4	168.6	106.9	174.1	188.4	415.4	450.4	405.8	9.6	103.5	104.3	15.3
SMDH 00269	813003.7	8193142.5	172.8	3	4	25	1347.5	2298.8	1028.7	75.7	418.7	65.0	187.8	119.1	193.9	209.9	531.0	565.3	521.0	10.0	125.7	133.8	15.3
SMDH 00269	813003.7	8193142.5	172.8	4	5	95	1231.5	2150.2	974.5	52.8	293.3	69.5	200.8	127.3	207.4	224.4	458.2	482.5	452.1	6.1	102.9	112.9	12.2
SMDH 00269	813003.7	8193142.5	172.8	5	6	70	1535.8	2672.5	1191.7	65.5	457.6	80.3	231.9	147.0	239.4	259.1	609.9	639.5	601.3	8.6	135.4	150.3	13.8
SMDH 00269	813003.7	8193142.5	172.8	6	7	40	1659.0	3042.1	1254.7	61.2	571.6	96.8	279.5	177.2	288.6	312.4	448.4	477.0	442.2	6.2	100.8	109.0	15.3
SMDH 00269	813003.7	8193142.5	172.8	7	8	60	2623.9	3887.9	2206.3	105.2	518.3	88.7	256.2	162.4	264.5	286.3	1246.1	1293.1	1229.7	16.4	272.3	301.8	15.3
SMDH 00269	813003.7	8193142.5	172.8	8	9	55	2881.8	4503.2	2308.9	160.1	708.5	111.1	321.0	203.5	331.4	358.7	1305.5	1379.3	1283.1	22.4	304.5	319.0	23.0
SMDH 00269	813003.7	8193142.5	172.8	9	10	35	1409.2	2601.8	812.7	283.6	555.1	79.7	230.1	145.9	237.6	257.1	449.5	578.1	411.0	38.5	161.3	107.2	53.6
SMDH 00269	813003.7	8193142.5	172.8	10	11	50	1043.5	1992.1	666.6	141.1	393.9	66.3	191.4	121.4	197.6	213.9	329.7	394.8	311.7	18.1	105.3	81.5	26.0
SMDH 00269	813003.7	8193142.5	172.8	11	12	60	1082.9	2237.0	678.7	110.3	504.6	79.1	228.4	144.8	235.9	255.3	330.0	380.9	315.5	14.5	96.8	79.8	18.4
SMDH 00269	813003.7	8193142.5	172.8	12	13	40	1520.1	2993.7	987.4	137.5	716.9	96.6	278.9	176.8	288.0	311.7	557.5	620.6	539.0	18.5	149.1	137.1	23.0
SMDH 00269	813003.7	8193142.5	172.8	13	14	70	1465.4	3422.3	848.5	137.9	785.5	138.4	399.6	253.4	412.6	446.5	437.9	501.7	420.2	17.7	124.5	106.2	24.5
SMDH 00269	813003.7	8193142.5	172.8	14	15	85	1036.3	2547.2	589.6	77.1	605.3	106.9	308.7	195.7	318.8	345.0	328.8	363.6	317.9	10.9	85.6	80.8	13.8
SMDH 00269	813003.7	8193142.5	172.8	15	16	50	919.0	2155.9	562.8	58.7	477.3	88.6	255.9	162.3	264.3	286.0	281.9	308.4	273.7	8.1	72.3	70.4	10.7
SMDH 00269	813003.7	8193142.5	172.8	16	17	60	928.5	2347.8	502.7	68.4	605.9	98.2	283.5	179.7	292.7	316.8	275.5	307.2	267.3	8.1	73.3	69.0	13.8
SMDH 00269	813003.7	8193142.5	172.8	17	18	50	1235.8	2435.1	805.1	123.9	529.5	81.9	236.4	149.9	244.1	264.2	317.0	372.6	300.2	16.8	91.0	75.9	26.0
SMDH 00269	813003.7	8193142.5	172.8	18	19	50	874.9	1876.3	496.0	133.9	401.4	70.8	204.6	129.7	211.2	228.6	239.4	300.6	223.3	16.1	77.9	57.4	30.6
SMDH 00269	813003.7	8193142.5	172.8	19	20	40	957.0	2008.0	651.9	57.5	386.9	76.4	220.7	140.0	227.9	246.7	347.0	373.5	340.5	6.5	78.1	81.5	13.8
SMDH 00269	813003.7	8193142.5	172.8	20	21	60	1281.2	2373.0	971.8	59.6	374.7	81.1	234.1	148.4	241.7	261.6	443.6	471.2	437.0	6.7	98.9	107.1	13.8
SMDH 00269	813003.7	8193142.5	172.8	21	21.5	40	995.2	2220.4	637.9	50.4	517.3	85.1	245.7	155.8	253.7	274.6	288.6	312.5	284.3	4.3	65.0	68.5	13.8
SMDH 00269	813003.7	8193142.5	172.8	21.5	22	40	995.2	2220.4	637.9	50.4	517.3	85.1	245.7	155.8	253.7	274.6	288.6	312.5	284.3	4.3	65.0	68.5	13.8
SMDH 00270	812877.5	8193149.0	176.4	0	1	20	504.5	861.3	356.9	32.6	243.5	19.1	55.3	35.0	57.1	61.8	233.5	248.3	228.7	4.8	55.1	55.3	4.6
SMDH 00270	812877.5	8193149.0	176.4	1	2	35	411.9	768.0	314.0	23.4	96.6	28.0	80.9	51.3	83.5	90.4	147.4	158.0	144.2	3.2	35.7	35.9	4.6
SMDH 00270	812877.5	8193149.0	176.4	2	3	35	726.5	1267.1	514.6	47.7	332.9	31.2	90.1	57.1	93.0	100.6	300.4	321.6	292.2	8.2	74.1	72.4	4.6
SMDH 00270	812877.5	8193149.0	176.4	3	4	70	387.2	594.0	288.3	41.6	107.2	13.2	38.0	24.1	39.2	42.5	144.5	163.8	139.3	5.1	39.6	32.7	7.7
SMDH 00270	812877.5	8193149.0	176.4	4	5	98	388.7	637.9	256.9	45.1	193.5	11.9	34.5	21.9	35.6	38.5	138.9	159.6	132.8	6.1	39.5	31.6	7.7
SMDH 00270	812877.5	8193149.0	176.4	5	6	80	492.1	836.4	344.0	47.8	196.5	20.8	60.1	38.1	62.0	67.1	194.5	216.5	188.4	6.1	51.1	46.6	9.2
SMDH 00270	812877.5	8193149.0	176.4	6	7	85	358.0	596.0	251.9	38.1	130.9	14.7	42.4	26.9	43.8	47.4	141.8	159.3	136.2	5.6	41.5	34.0	4.6
SMDH 00270	812877.5	8193149.0	176.4	7	8	98	366.0	598.2	276.7	34.9	84.1	17.0	49.0	31.1	50.6	54.8	97.4	113.7	92.6	4.8	30.1	21.8	4.6
SMDH 00270	812877.5	8193149.0	176.4	8	9	98	417.3	704.3	310.0	36.8	116.1	20.2	58.5	37.1	60.4	65.3	132.1	148.8	126.5	5.6	36.8	29.6	4.6
SMDH 00270	812877.5	8193149.0	176.4	9	10	90	352.8	588.0	267.1	28.0	94.6	16.6	48.0	30.4	49.5	53.6	121.5	134.3	117.7	3.8	31.1	28.2	4.6
SMDH 00270	812877.5	8193149.0	176.4	10	11	98	711.5	946.3	614.9	37.5	99.9	16.3	46.9	29.8	48.5	52.5	112.1	129.4	107.1	5.0	33.3	26.7	6.1
SMDH 00270	812877.5	8193149.0	176.4	11	12	98	536.7	818.2	414.7	39.8	161.1	17.0	49.0	31.1	50.6	54.8	198.8	216.9	193.0	5.8	50.0	47.4	6.1
SMDH 00270	812877.5	8193149.0	176.4	12	13	90	514.2	787.3	397.8	48.9	112.0	19.2	55.3	35.1	57.1	61.8	96.3	119.0	89.4	6.9	42.1	28.6	6.1
SMDH 00270	812877.5	8193149.0	176.4	13	14	98	673.1	860.4	585.0	34.7	102.7	11.6	33.4	21.2	34.5	37.4	88.8	104.9	84.0	4.8	27.6	19.1	4.6
SMDH 00270	812877.5	8193149.0	176.4	14	15	95	771.2	949.1	666.6	53.3	99.7	10.9	31.4	19.9	32.4	35.0	175.3	200.4	168.4	6.9	51.2	41.0	7.7
SMDH 00271	812767.8	8193142.3	171.0	0	1	20	498.7	920.6	301.7	32.3	392.7	16.3	46.9	29.8	48.5	52.5	168.9	183.8	164.3	4.6	41.8	40.0	4.6
SMDH 00271	812767.8	8193142.3	171.0	1	2	95	914.5	1735.4	636.3	48.2	435.5	51.6	149.0	94.5	153.8	166.5	254.6	277.1	249.8	4.8	58.5	59.7	12.2
SMDH 00271	812767.8	8193142.3	171.0	2	3	98	582.7	1129.0	393.4	31.1	308.0	33.2	96.0	60.9	99.1	107.3	131.8	146.4	128.7	3.1	33.1	31.7	7.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00271	812767.8	8193142.3	171.0	3	4	70	650.9	1457.7	379.2	44.8	430.8	50.5	146.0	92.5	150.7	163.1	50.6	71.7	46.6	4.0	20.2	12.2	12.2
SMDH 00271	812767.8	8193142.3	171.0	4	5	90	1024.4	1760.7	794.7	45.8	309.1	51.2	148.0	93.8	152.8	165.3	311.9	333.3	307.5	4.4	68.0	73.6	12.2
SMDH 00271	812767.8	8193142.3	171.0	5	6	98	1080.2	1914.7	860.7	31.8	274.6	62.7	181.0	114.8	186.9	202.3	115.4	130.2	112.9	2.5	25.5	25.5	10.7
SMDH 00271	812767.8	8193142.3	171.0	6	7	80	850.2	1838.0	587.2	40.9	325.3	74.2	214.2	135.8	221.2	239.4	118.9	138.0	116.3	2.6	27.5	28.1	15.3
SMDH 00271	812767.8	8193142.3	171.0	7	8	85	486.3	887.9	334.8	41.3	204.2	25.8	74.5	47.2	76.9	83.2	44.9	63.9	39.6	5.3	21.1	9.6	7.7
SMDH 00271	812767.8	8193142.3	171.0	8	9	98	915.7	1904.0	585.9	46.6	547.1	60.7	175.4	111.2	181.1	196.0	236.3	258.0	231.6	4.7	55.0	56.7	12.2
SMDH 00271	812767.8	8193142.3	171.0	9	10	80	1219.6	2518.8	842.8	54.7	536.0	91.0	262.7	166.6	271.3	293.6	306.2	331.9	301.7	4.5	67.4	73.3	16.8
SMDH 00271	812767.8	8193142.3	171.0	10	11	90	885.1	1660.0	648.4	26.5	385.5	50.3	145.2	92.0	149.9	162.2	56.2	68.6	54.2	2.0	14.9	12.6	9.2
SMDH 00271	812767.8	8193142.3	171.0	11	12	98	729.3	1660.5	450.5	26.3	463.2	60.4	174.4	110.6	180.1	194.9	26.9	39.1	24.9	2.0	8.7	5.3	9.2
SMDH 00271	812767.8	8193142.3	171.0	12	13	70	786.2	1290.5	656.8	18.5	156.7	38.4	111.0	70.4	114.6	124.1	33.5	41.7	31.5	2.0	9.1	6.8	6.1
SMDH 00271	812767.8	8193142.3	171.0	13	14	98	800.2	1346.8	647.8	19.7	215.5	38.9	112.3	71.2	115.9	125.5	40.5	49.4	38.5	2.0	11.2	8.4	6.1
SMDH 00271	812767.8	8193142.3	171.0	14	15	98	765.2	1355.2	595.6	25.3	236.5	41.7	120.5	76.4	124.4	134.7	145.8	157.1	143.0	2.7	32.3	34.3	7.7
SMDH 00271	812767.8	8193142.3	171.0	15	16	90	1200.2	2235.8	917.4	41.1	372.8	75.8	219.0	138.8	226.1	244.7	258.6	277.8	255.0	3.5	57.3	62.4	12.2
SMDH 00271	812767.8	8193142.3	171.0	16	17	98	886.1	1610.2	685.9	24.7	284.5	51.6	148.9	94.4	153.8	166.4	71.0	82.6	69.0	2.0	19.1	17.2	7.7
SMDH 00271	812767.8	8193142.3	171.0	17	18	80	966.8	1765.2	740.4	32.1	316.2	56.7	163.8	103.9	169.1	183.0	87.2	102.2	84.4	2.9	24.3	20.8	9.2
SMDH 00272	812637.6	8193136.9	170.3	0	1	10	1401.2	2915.9	900.9	113.1	667.8	103.5	298.8	189.5	308.5	333.9	482.6	535.1	469.2	13.4	127.4	121.4	23.0
SMDH 00272	812637.6	8193136.9	170.3	1	2	20	1620.3	3716.7	1011.7	176.9	545.0	166.3	480.1	304.4	495.7	536.5	452.7	535.0	430.8	21.8	144.1	115.2	32.1
SMDH 00272	812637.6	8193136.9	170.3	2	3	15	1781.3	3708.3	1177.7	157.5	680.4	141.9	409.8	259.8	423.1	458.0	399.3	472.6	380.5	18.8	121.9	97.7	30.6
SMDH 00272	812637.6	8193136.9	170.3	3	4	50	1036.0	1953.0	741.0	95.0	279.2	70.2	202.8	128.6	209.4	226.7	244.3	288.4	230.9	13.4	81.7	60.5	12.2
SMDH 00272	812637.6	8193136.9	170.3	4	5	98	1093.3	1842.2	690.0	235.2	245.4	56.3	162.6	103.1	167.9	181.7	223.2	331.2	183.1	40.1	144.3	55.4	10.7
SMDH 00272	812637.6	8193136.9	170.3	5	6	90	1057.9	1821.4	816.9	84.7	195.0	60.8	175.5	111.3	181.2	196.1	207.6	247.9	198.7	9.0	63.3	49.1	16.8
SMDH 00272	812637.6	8193136.9	170.3	6	7	70	1190.4	2533.7	775.4	76.1	576.0	92.8	267.9	169.8	276.6	299.3	386.7	422.1	378.6	8.1	91.8	93.3	18.4
SMDH 00272	812637.6	8193136.9	170.3	7	8	90	1263.8	2878.4	726.2	150.0	619.9	115.9	334.6	212.2	345.5	374.0	380.5	450.7	363.4	17.2	116.9	95.7	30.6
SMDH 00272	812637.6	8193136.9	170.3	8	9	90	934.8	2098.7	544.3	88.6	529.0	78.5	226.8	143.8	234.2	253.5	251.4	292.7	240.3	11.1	73.2	59.3	15.3
SMDH 00272	812637.6	8193136.9	170.3	9	10	85	1249.6	2480.9	894.8	57.1	480.8	87.9	253.8	160.9	262.0	283.6	231.1	258.1	226.0	5.1	57.2	56.3	15.3
SMDH 00272	812637.6	8193136.9	170.3	10	11	98	1420.1	2867.1	989.0	97.0	507.5	106.8	308.3	195.5	318.3	344.5	317.8	362.7	306.6	11.2	88.0	79.8	21.4
SMDH 00272	812637.6	8193136.9	170.3	11	12	95	1502.6	3207.9	960.9	127.1	674.3	121.2	350.0	221.9	361.4	391.1	496.8	555.9	481.9	14.9	131.0	122.4	26.0
SMDH 00272	812637.6	8193136.9	170.3	12	13	95	1367.9	2472.6	1003.6	93.9	443.5	78.1	225.5	143.0	232.9	252.0	358.5	401.2	345.2	13.3	96.0	82.6	15.3
SMDH 00272	812637.6	8193136.9	170.3	13	14	85	1147.3	2641.5	759.1	55.2	480.3	112.9	326.1	206.8	336.7	364.4	333.5	359.1	327.6	5.9	76.6	80.6	13.8
SMDH 00272	812637.6	8193136.9	170.3	14	15	95	1424.4	3207.5	919.4	74.2	694.9	127.4	367.8	233.2	379.7	411.0	372.5	406.8	364.5	8.0	89.0	87.8	18.4
SMDH 00272	812637.6	8193136.9	170.3	15	16	75	1511.3	2984.9	1080.7	69.2	594.2	104.0	300.4	190.5	310.2	335.7	479.2	511.1	471.6	7.6	106.7	115.4	16.8
SMDH 00272	812637.6	8193136.9	170.3	16	17	90	1693.1	3422.9	1181.5	87.5	697.1	122.1	352.7	223.6	364.2	394.2	535.2	575.6	524.7	10.4	131.1	137.6	18.4
SMDH 00272	812637.6	8193136.9	170.3	17	18	85	1947.7	3863.8	1354.8	63.5	988.7	122.1	352.7	223.6	364.2	394.2	569.6	598.4	561.0	8.6	125.9	132.8	12.2
SMDH 00272	812637.6	8193136.9	170.3	18	19	80	2912.4	4222.2	2562.7	49.9	450.5	97.2	280.7	177.9	289.8	313.6	579.0	601.8	573.3	5.7	127.1	147.2	12.2
SMDH 00272	812637.6	8193136.9	170.3	19	20	98	1731.7	3548.0	1193.7	120.7	629.8	134.5	388.3	246.2	400.9	433.9	539.1	594.2	523.2	15.8	140.1	136.0	23.0
SMDH 00272	812637.6	8193136.9	170.3	20	21	80	1301.7	2916.9	835.2	82.4	607.6	116.7	337.0	213.6	347.9	376.5	400.5	439.1	390.3	10.2	106.1	101.6	13.8
SMDH 00272	812637.6	8193136.9	170.3	21	22	90	1233.9	2824.2	782.3	70.7	607.8	114.3	330.1	209.3	340.8	368.9	308.7	341.1	299.2	9.5	84.0	79.3	12.2
SMDH 00272	812637.6	8193136.9	170.3	22	23	85	1266.3	2589.0	876.2	84.1	466.1	97.5	281.5	178.5	290.6	314.5	344.6	384.1	335.5	9.0	90.8	86.5	18.4
SMDH 00272	812637.6	8193136.9	170.3	23	24	98	1262.5	2312.8	950.4	72.4	358.5	78.1	225.5	143.0	232.9	252.0	300.4	333.6	291.0	9.4	77.2	68.6	13.8
SMDH 00272	812637.6	8193136.9	170.3	24	25	85	1498.4	2897.5	1104.0	88.5	428.9	107.0	309.0	195.9	319.0	345.3	382.3	422.9	370.9	11.3	98.0	88.7	16.8
SMDH 00013	813118.6	8193621.1	161.5	0	1	25	1230.4	2759.0	720.3	126.9	646.6	106.1	306.3	194.2	316.3	342.3	494.4	553.2	478.9	15.5	134.8	125.5	24.5
SMDH 00013	813118.6	8193621.1	161.5	1	2	50	969.2	3142.6	380.7	151.9	525.5	174.8	504.7	320.0	521.1	564.0	266.4	337.7	253.2	13.2	84.5	69.9	44.4
SMDH 00013	813118.6	8193621.1	161.5	2	3	70	605.3	1807.4	276.1	81.8	312.1	95.4	275.4	174.6	284.3	307.7	189.5	228.1	182.8	6.7	53.0	47.5	24.5
SMDH 00013	813118.6	8193621.1	161.5	3	4	70	3517.4	4392.3	3193.5	103.0	375.6	60.4	174.4	110.6	180.0	194.8	417.1	465.9	408.5	8.5	99.4	99.5	29.1
SMDH 00013	813118.6	8193621.1	161.5	4	5	80	434.6	1266.7	217.8	45.2	217.4	65.9	190.4	120.7	196.5	212.7	148.9	169.9	144.4	4.5	39.5	38.2	12.2
SMDH 00013	813118.6	8193621.1	161.5	5	6	90	781.6	2405.0	345.8	114.1	376.3	131.5	379.8	240.8	392.2	424.5	243.3	296.0	230.8	12.5	78.0	64.3	27.6
SMDH 00013	813118.6	8193621.1	161.5	6	7	80	843.4	2333.4	394.8	138.6	399.3	117.4	339.1	215.0	350.1	379.0	270.4	335.6	256.6	13.8	87.6	68.0	33.7
SMDH 00013	813118.6	8193621.1	161.5	7	8	80	804.5	2219.6	411.3	86.6	423.4	108.8	314.3	199.3	324.5	351.3	279.3	320.1	272.2	7.2	68.7	67.8	26.0
SMDH 00013	813118.6	8193621.1	161.5	8	9	90	1096.4	2550.6	682.1	139.8	287.8	120.8	348.9	221.2	360.2	389.9	470.2	535.3	452.2	18.0	136.5	117.6	23.0
SMDH 00013	813118.6	8193621.1	161.5	9	10	70	2577.1	3914.7	2022.9	150.2	814.9	77.7	224.3	142.2	231.6	250.7	736.4	806.5	719.9	16.5	178.1	178.3	33.7
SMDH 00013	813118.6	8193621.1	161.5	10	10.5	90	1051.8	2330.1	654.5	93.1	481.5	92.3	266.6	169.0	275.2	297.9	445.9	488.9	435.4	10.5	109.4	109.6	21.4
SMDH 00012b	813175.0	8193619.9	161.6	0	1	40	1445.8	2470.2	966.6	113.7	827.9	47.1	136.0	86.3	140.5	152.0	561.7	614.5	545.1	16.7	149.5	136.8	12.2
SMDH 00012b	813175.0	8193619.9	161.6	1	2	50	1840.0	3114.2	1243.9	137.4	1045.2	57.7	166.5	105.6	171.9	186.1	684.3	747.7	664.3	20.0	185.1	171.6	16.8
SMDH 00012b	813175.0	8193619.9	161.6	2	3	80	303.2	657.1	173.5	24.5	209.7	20.9	60.4	38.3	62.3	67.5	117.6	128.9	114.5	3.1	29.5	28.9	4.6
SMDH 00012b	813175.0	8193619.9	161.6	3	4	80	1049.3	2235.1	635.4	93.2	586.5	77.1	222.7	141.2	230.0	248.9	431.9	474.9	420.4	11.6	112.8	108.5	18.4
SMDH 00012b	813175.0	8193619.9	161.6	4	5	70	1478.2	2488.6	1075.5	95.4	623.6	58.2	168.0	106.5	173.5	187.8	408.5	453.9	398.6	9.9	106.9	100.6	19.9
SMDH 00012b	813175.0	8193619.9	161.6	5	6	70	3527.7	4473.1	3152.2	109.7	504.6	59.2	171.1	108.5	176.6	191.2	399.1	450.2	386.0	13.1	110.9	101.0	21.4
SMDH 00012b	813175.0	8193619.9	161.6	6	7	80	1596.8	2594.2	1215.1	84.1	594.7	58.7	169.6	107.5	175.1	189.5	335.2	374.2	324.7	10.5	90.1	83.0	15.3
SMDH 00012b	813175.0	8193619.9	161.6	7	8	80	1019.6	2258.2	633.7	88.1	477.3	88.8	256.4	162.6	264.8	286.5	425.5	465.9	414.6	10.9	107.4	106.3	18.4
SMDH 00012b	813175.0	8193619.9	161.6	8	9	80	1712.1	2941.5	1262.5	114.5	617.7	79.4	229.2	145.3	236.7	256.2	491.7	545.4	478.7	13.1	129.0	123.2	23.0
SMDH 00012b	813175.0	8193619.9	161.6	9	10	90	1278.3	2098.1	953.2	101.1	413.9	52.8	152.5	96.7	157.5	170.4	322.8	373.1	312.9	10.0	102.0	80.9	13.8
SMDH 00012b	813175.0	8193619.9	161.6	10	11	80	1463.2	2315.9	1155.0	88.0	384.1	57.7	166.8	105.7	172.2	186.4	353.1	396.1	344.4	8.7	99.3	89.2	15.3
SMDH 00012b	813175.0	8193619.9	161.6	11	12	75	1424.1	2665.1	956.7	103.7	715.8	74.5	215.2	136.5	222.2	240.5	345.9	397.3	336.7	9.2	101.2	85.0	18.4
SMDH 00012b	813175.0	8193619.9	161.6	12	13	85	1007.0	2269.0	597.3	90.0	545.7	86.9	250.8	159.0	259.0	280.3	404.8	446.0	393.5	11.3	105.4	102.5	18.4
SMDH 00012b	813175.0	8193619.9	161.6	13	14	80	1583.2	2419.6	1295.4	101.2	269.4	63.2	182.4	115.7	188.4	203.9	418.7	468.6	408.6	10.1	117.3	103.2	15.3
SMDH 00012	813240.5	8193620.2	161.4	0	1	45	1590.8	2703.2	995.9	135.4	1126.9	37.3	107.7	68.3	111.2	120.4	610.6	678.4	595.5	15.1	177.1	151.3	10.7
SMDH 00012	813240.5	8193620.2	161.4	1	2	60	1821.0	3238.7	1252.0	110.7	973.5	75.7	218.5	138.5	225.6	244.2	399.8	455.2	390.2	9.6	111.9	94.2	18.4
SMDH 00012	813240.5	8193620.2	161.4	2	3	65	5116.0	6126.6	4697.8	62.2	800.7	47.4	137.0	86.9	141.5	153.1	206.5	237.1	201.6	4.9	60.9	54.1	13.8
SMDH 00012	813240.5	8193620.2	161.4	3	4	70	2735.6	3766.8	2351.0	101.2	526.8	66.1	190.8	120.9	197.0	213.2	347.8	398.7	338.5	9.3	106.4	86.0	13.8
SMDH 00012	813240.5	8193620.2	161.4	4	5	75	1936.6	3081.5	1506.1	91.6	672.8	68.0	196.4	124.5	202.7	219.4	459.6	502.9	450.1	9.5	110.5	109.1	19.9
SMDH 00012	813240.5	8193620.2	161.4	5	6	90	768.9	1750.6	445.3	69.8	443.0	66.4	191.9	121.7	198.1	214.4	302.0	334.4	294.1	7.9	80.0	77.3	15.3

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00012	813240.5	8193620.2	161.4	6	7	90	531.8	1292.7	300.7	43.6	310.1	53.5	154.5	98.0	159.5	172.7	200.1	220.0	195.2	4.9	53.2	54.5	10.7
SMDH 00012	813240.5	8193620.2	161.4	7	8	90	1093.2	2504.3	643.7	88.4	623.5	96.3	278.1	176.3	287.1	310.8	435.3	476.5	424.7	10.6	111.2	108.6	16.8
SMDH 00012	813240.5	8193620.2	161.4	8	9	85	1202.8	2589.9	713.0	104.2	723.8	87.9	253.9	161.0	262.2	283.8	482.7	531.4	470.8	11.9	123.5	120.6	21.4
SMDH 00012	813240.5	8193620.2	161.4	9	10	90	1106.4	2505.8	649.6	97.7	621.7	95.3	275.2	174.5	284.2	307.5	440.8	486.5	430.1	10.7	113.1	110.7	21.4
SMDH 00011b	813290.3	8193615.6	161.0	0	1	65	1188.5	2688.8	679.1	113.6	705.8	99.8	288.2	182.7	297.5	322.0	461.0	513.7	447.5	13.5	124.8	118.6	23.0
SMDH 00011b	813290.3	8193615.6	161.0	1	2	80	1013.8	2176.3	631.9	116.6	396.5	86.5	249.7	158.3	257.8	279.0	431.9	486.3	418.2	13.7	116.8	107.9	23.0
SMDH 00011b	813290.3	8193615.6	161.0	2	3	85	2124.6	3266.6	1725.0	92.2	559.4	74.6	215.5	136.6	222.5	240.8	433.7	476.2	422.4	11.3	111.5	109.8	18.4
SMDH 00011b	813290.3	8193615.6	161.0	3	4	95	843.4	1933.7	455.2	116.0	457.0	75.9	219.2	139.0	226.4	245.0	315.1	369.5	301.8	13.3	93.3	76.9	23.0
SMDH 00011b	813290.3	8193615.6	161.0	4	5	90	2100.3	2924.9	1817.5	51.3	439.0	51.7	149.4	94.7	154.3	167.0	155.2	180.2	152.4	2.9	46.8	47.7	16.8
SMDH 00011b	813290.3	8193615.6	161.0	5	6	80	938.0	2252.8	511.8	120.5	468.9	96.6	278.8	176.8	287.9	311.6	349.9	406.3	337.1	12.8	97.4	85.5	27.6
SMDH 00011b	813290.3	8193615.6	161.0	6	7	95	859.3	2101.7	513.6	72.1	387.9	94.6	273.1	173.2	282.0	305.2	347.1	380.8	339.9	7.2	82.1	83.6	18.4
SMDH 00011b	813290.3	8193615.6	161.0	7	8	60	1929.8	2484.2	1667.7	54.4	484.0	23.3	67.3	42.7	69.5	75.3	284.8	309.2	275.9	8.9	74.0	69.2	6.1
SMDH 00011	813360.3	8193619.4	160.8	0	1	50	1553.8	2944.9	1002.0	156.1	759.1	86.2	248.8	157.8	256.9	278.1	681.9	754.6	660.7	21.1	189.4	169.3	21.4
SMDH 00011	813360.3	8193619.4	160.8	1	2	60	1873.2	2808.1	1527.0	105.4	418.6	63.5	183.3	116.2	189.3	204.9	430.4	480.6	418.1	12.4	114.7	101.6	16.8
SMDH 00011	813360.3	8193619.4	160.8	2	3	85	1368.5	3143.4	789.0	93.8	898.6	114.2	329.8	209.1	340.5	368.5	532.3	576.0	522.5	9.7	126.5	129.9	23.0
SMDH 00011	813360.3	8193619.4	160.8	3	4	80	1500.8	3648.0	833.7	110.6	974.1	145.0	418.8	265.5	432.4	468.0	562.2	613.8	551.0	11.2	137.5	138.6	27.6
SMDH 00011	813360.3	8193619.4	160.8	4	5	70	1402.6	3642.0	676.0	108.6	1152.9	142.9	412.7	261.7	426.1	461.2	458.2	509.2	447.2	11.0	117.9	112.9	26.0
SMDH 00010b	813411.1	8193623.6	161.9	0	1	60	2024.5	4553.0	1121.8	259.8	1101.7	173.5	501.1	317.7	517.4	559.9	772.4	893.8	738.8	33.6	240.4	193.8	39.8
SMDH 00010b	813411.1	8193623.6	161.9	1	2	50	2041.3	3180.9	1472.0	275.2	512.3	77.2	223.1	141.4	230.3	249.3	471.9	599.9	433.9	38.0	187.4	117.4	36.7
SMDH 00010b	813411.1	8193623.6	161.9	2	3	80	1615.5	3987.7	817.3	212.7	969.7	166.7	481.3	305.2	497.0	537.9	558.1	658.0	533.7	24.4	172.6	139.1	41.3
SMDH 00010b	813411.1	8193623.6	161.9	3	4	90	1395.0	3355.9	739.8	178.5	775.3	139.4	402.5	255.2	415.5	449.7	507.6	591.2	485.6	22.0	157.8	127.2	30.6
SMDH 00010b	813411.1	8193623.6	161.9	4	5	85	1971.0	2976.1	1606.1	97.9	479.2	66.5	192.0	121.7	198.2	214.5	403.8	449.0	391.9	11.9	103.9	97.8	19.9
SMDH 00010b	813411.1	8193623.6	161.9	5	6	85	1019.9	2657.3	526.0	69.0	745.0	110.5	319.0	202.2	329.3	356.4	354.7	386.8	348.0	6.7	86.5	90.1	18.4
SMDH 00010b	813411.1	8193623.6	161.9	6	7	80	1439.2	3481.9	801.5	106.9	931.7	137.7	397.5	252.0	410.4	444.2	542.3	591.9	529.5	12.8	139.1	138.7	21.4
SMDH 00010	813480.8	8193615.1	163.0	0	1	50	2102.5	3126.6	1634.0	181.6	542.6	64.4	186.0	118.0	192.1	207.9	1002.4	1085.4	973.0	29.4	262.3	245.5	15.3
SMDH 00010	813480.8	8193615.1	163.0	1	2	55	1324.6	2517.3	912.1	86.0	604.2	76.7	221.5	140.5	228.7	247.6	285.1	325.4	276.1	9.0	79.5	73.5	19.9
SMDH 00010	813480.8	8193615.1	163.0	2	3	60	2557.9	3617.9	2132.7	84.7	720.0	57.1	164.8	104.5	170.1	184.1	430.0	468.9	417.6	12.5	117.8	111.7	10.7
SMDH 00010	813480.8	8193615.1	163.0	3	4	95	927.6	2080.5	549.2	93.1	473.9	80.8	233.5	148.0	241.1	260.9	369.2	412.0	356.6	12.6	105.8	97.0	15.3
SMDH 00010	813480.8	8193615.1	163.0	4	5	80	1046.3	2314.0	612.1	87.5	640.9	81.6	235.7	149.4	243.4	263.4	406.7	447.1	395.3	11.3	109.0	105.1	15.3
SMDH 00010	813480.8	8193615.1	163.0	5	6	90	1094.2	2320.2	669.2	102.9	571.9	81.8	236.3	149.9	244.0	264.1	447.9	495.7	435.0	12.9	123.5	117.3	18.4
SMDH 00010	813480.8	8193615.1	163.0	6	7	95	1122.8	2362.6	638.1	132.9	672.8	77.0	222.4	141.0	229.7	248.6	433.5	495.3	415.3	18.1	133.6	111.7	18.4
SMDH 00010	813480.8	8193615.1	163.0	7	8	80	1091.3	2397.5	636.0	96.1	667.7	83.6	241.5	153.1	249.4	269.9	426.4	470.8	413.6	12.8	118.5	111.0	15.3
SMDH 00009b	813534.9	8193613.7	163.4	0	1	55	2539.2	4191.2	1813.8	202.5	1093.3	90.7	261.9	166.0	270.4	292.6	1065.9	1159.3	1037.2	28.6	277.7	268.1	27.6
SMDH 00009b	813534.9	8193613.7	163.4	1	2	60	2204.7	3385.8	1775.9	120.8	542.7	79.4	229.1	145.3	236.6	256.1	804.5	860.7	789.9	14.7	194.0	202.2	23.0
SMDH 00009b	813534.9	8193613.7	163.4	2	3	75	1584.6	3423.1	971.9	102.2	957.5	116.7	336.9	213.6	347.8	376.5	653.3	700.3	640.9	12.4	158.3	166.9	21.4
SMDH 00009b	813534.9	8193613.7	163.4	3	4	90	1553.0	3523.3	914.5	106.8	970.5	128.4	370.8	235.1	382.8	414.4	615.9	665.7	605.6	10.3	143.8	155.1	29.1
SMDH 00009b	813534.9	8193613.7	163.4	4	5	80	1736.7	3847.3	1067.1	137.5	903.1	145.9	421.2	267.0	434.9	470.7	717.5	781.5	703.1	14.4	175.5	182.7	33.7
SMDH 00009b	813534.9	8193613.7	163.4	5	6	90	1773.1	3991.3	1027.6	156.1	1059.1	146.6	423.3	268.4	437.1	473.1	696.5	769.1	678.7	17.8	179.3	176.7	33.7
SMDH 00009b	813534.9	8193613.7	163.4	6	7	75	1624.9	4199.2	912.3	155.7	766.9	198.2	572.4	362.9	591.0	639.7	614.6	687.1	596.5	18.1	165.2	156.3	32.1
SMDH 00009b	813534.9	8193613.7	163.4	7	8	75	2006.1	3207.2	1564.0	122.8	574.0	79.4	229.1	145.3	236.6	256.1	617.0	674.1	601.2	15.8	161.2	153.9	19.9
SMDH 00009	813602.2	8193617.7	163.9	0	1	45	1322.1	2453.8	842.5	129.0	721.9	63.8	184.1	116.7	190.1	205.7	470.0	529.9	452.0	18.0	138.7	118.9	16.8
SMDH 00009	813602.2	8193617.7	163.9	1	2	55	1645.4	3472.8	1027.4	144.5	828.9	123.4	356.4	226.0	368.0	398.3	701.9	768.8	683.2	18.7	183.2	177.1	24.5
SMDH 00009	813602.2	8193617.7	163.9	2	3	80	1631.9	3683.3	949.7	177.9	830.9	144.6	417.6	264.8	431.2	466.6	646.2	728.6	625.0	21.2	175.4	162.9	36.7
SMDH 00009	813602.2	8193617.7	163.9	3	4	90	1722.9	3803.1	997.4	170.0	1003.1	136.9	395.3	250.6	408.1	441.7	678.1	757.1	658.3	19.8	180.2	171.1	35.2
SMDH 00009	813602.2	8193617.7	163.9	4	5	90	1435.9	3329.4	844.9	137.6	723.2	136.1	393.1	249.2	405.9	439.3	571.5	635.7	556.9	14.7	146.4	143.3	32.1
SMDH 00009	813602.2	8193617.7	163.9	5	6	90	1031.5	2451.0	596.1	91.7	556.1	101.2	292.2	185.3	301.7	326.6	404.4	446.9	393.8	10.7	107.0	104.2	19.9
SMDH 00009	813602.2	8193617.7	163.9	6	7	95	1508.2	3399.7	876.0	150.5	827.2	129.6	374.3	237.3	386.5	418.3	595.8	665.9	577.8	18.1	164.0	152.9	29.1
SMDH 00009	813602.2	8193617.7	163.9	7	8	95	1579.0	3468.3	912.9	180.3	843.3	128.4	370.9	235.2	382.9	414.4	626.0	709.3	602.4	23.7	184.5	163.7	30.6
SMDH 00009	813602.2	8193617.7	163.9	8	9	95	1431.8	3567.4	792.0	118.5	851.9	151.3	437.0	277.1	451.2	488.4	533.6	588.7	520.7	12.9	136.5	136.1	27.6
SMDH 00009	813602.2	8193617.7	163.9	9	10	90	1445.0	3650.8	821.3	108.2	796.8	161.4	466.0	295.4	481.1	520.7	552.8	602.8	540.4	12.4	139.3	142.0	24.5
SMDH 00009	813602.2	8193617.7	163.9	10	11	95	1720.1	4163.4	992.7	127.4	987.9	172.3	497.6	315.5	513.8	556.1	668.0	727.3	654.5	13.5	164.3	169.9	30.6
SMDH 00009	813602.2	8193617.7	163.9	11	12	95	1483.1	3628.4	836.7	134.7	812.0	154.7	446.7	283.2	461.2	499.2	568.2	630.4	551.4	16.8	150.1	142.4	26.0
SMDH 00009	813602.2	8193617.7	163.9	12	13	95	1565.3	3388.1	849.5	208.2	954.9	115.3	333.0	211.2	343.9	372.2	581.6	678.1	556.9	24.7	170.7	146.5	42.9
SMDH 00008b	813649.9	8193620.5	164.3	0	1	50	1578.2	3066.8	1063.7	116.1	721.2	97.7	282.3	179.0	291.4	315.4	413.2	466.8	398.1	15.2	119.3	106.7	19.9
SMDH 00008b	813649.9	8193620.5	164.3	1	2	85	1647.1	3620.1	982.4	171.6	829.0	137.3	396.4	251.3	409.3	443.0	664.7	744.6	645.6	19.1	174.7	167.7	38.3
SMDH 00008b	813649.9	8193620.5	164.3	2	3	90	1188.9	2969.9	653.3	96.3	726.7	125.2	361.6	229.3	373.3	404.1	438.5	483.6	429.8	8.7	105.2	110.0	27.6
SMDH 00008b	813649.9	8193620.5	164.3	3	4	70	1416.2	3156.1	880.1	118.3	668.9	124.8	360.5	228.6	372.2	402.8	592.7	647.7	579.8	12.9	144.5	147.2	27.6
SMDH 00008b	813649.9	8193620.5	164.3	4	5	85	1349.0	3086.7	798.4	134.0	665.3	124.8	360.5	228.6	372.2	402.8	535.7	598.1	520.6	15.1	140.4	134.4	29.1
SMDH 00008b	813649.9	8193620.5	164.3	5	6	90	1382.9	3105.8	832.2	110.0	760.3	117.7	339.8	215.4	350.8	379.7	558.4	609.6	546.5	11.9	136.1	139.7	26.0
SMDH 00008b	813649.9	8193620.5	164.3	6	7	90	1393.1	2952.2	840.0	133.0	765.9	101.7	293.8	186.3	303.3	328.3	566.2	627.9	551.0	15.2	146.0	142.0	29.1
SMDH 00008b	813649.9	8193620.5	164.3	7	8	95	1474.4	2808.0	956.6	128.2	764.5	80.4	232.1	147.2	239.6	259.4	646.5	705.9	631.2	15.2	161.5	161.4	26.0
SMDH 00008b	813649.9	8193620.5	164.3	8	9	98	1374.9	2818.2	827.5	156.3	716.9	93.7	270.6	171.6	279.4	302.4	562.8	635.1	543.2	19.6	159.2	144.6	29.1
SMDH 00008b	813649.9	8193620.5	164.3	9	10	95	1333.5	2737.4	759.6	185.3	726.8	89.4	258.0	163.6	266.4	288.3	523.2	608.2	498.8	24.4	161.4	136.1	33.7
SMDH 00008b	813649.9	8193620.5	164.3	10	10.5	95	1320.1	2852.2	727.1	165.4	805.8	96.7	279.4	177.1	288.5	312.2	496.1	572.6	474.4	21.7	152.5	128.5	27.6
SMDH 00008	813714.1	8193620.8	166.1	0	1	50	1269.7	2860.1	738.8	116.6	728.8	107.0	308.9	195.8	318.9	345.2	496.4	550.4	481.7	14.7	134.4	127.7	21.4
SMDH 00008	813714.1	8193620.8	166.1	1	2	65	1571.9	2707.1	1152.2	162.8	379.3	84.9	245.2	155.5	253.2	274.0	386.0	462.6	368.6	17.4	117.7	95.4	35.2
SMDH 00008	813714.1	8193620.8	166.1	2	3	90	1278.5	2953.0	706.1	149.1	720.9	115.4	333.4	211.4	344.2	372.5	481.4	550.3	461.2	20.1	145.2	123.2	23.0
SMDH 00008	813714.1	8193620.8	166.1	3	4	95	1236.5	2728.9	705.4	142.8	682.6	100.5	290.1	183.9	299.5	324.2	482.2	548.1	463.5	18.6	140.2	122.8	24.5
SMDH 00008	813714.1	8193620.8	166.1	4	5	95	1184.9	2752.9	657.8	126.7	690.0	107.2	309.5	196.3	319.6	345.9	444.6	502.8	428.1	16.5	126.4	113.5	23.0
SMDH 00008	813714.1	8193620.8	166.1	5	6	95	1100.0	2630.5	602.0	116.5	638.8	106.7	308.2	195.4	318.3	344.5	409.8	464.0	395.9	14.0	114.3	103.3	23.0
SMDH 00008	813714.1	8193620.8	166.1	6	7	95	1636.2	4056.2	847.6	207.2	931.1	173.6	501.2	317.8	517.5	560.1	582.1	677.8	554.4	27.7	182.8	149.9	33.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00007b	813771.2	8193619.2	167.3	0	1	45	3172.5	4613.7	2420.1	198.2	1310.3	57.4	165.9	105.2	171.3	185.4	665.9	764.5	646.1	19.8	202.7	163.7	26.0
SMDH 00007b	813771.2	8193619.2	167.3	1	2	5	2994.3	4142.5	2451.3	186.6	734.6	64.6	186.4	118.2	192.5	208.3	350.7	444.4	335.4	15.3	134.6	88.8	32.1
SMDH 00007b	813771.2	8193619.2	167.3	2	3	40	823.5	3295.4	121.9	103.1	968.5	176.2	508.9	322.7	525.5	568.7	85.6	135.2	80.9	4.7	28.1	21.3	39.8
SMDH 00007b	813771.2	8193619.2	167.3	3	4	85	825.1	3203.0	145.5	142.9	789.5	178.2	514.5	326.2	531.2	575.0	108.7	177.0	97.7	11.0	53.4	30.3	41.3
SMDH 00007b	813771.2	8193619.2	167.3	4	5	95	709.4	2959.0	163.9	132.7	402.2	189.5	547.2	347.0	565.0	611.5	122.1	185.6	113.3	8.8	48.1	32.5	42.9
SMDH 00007b	813771.2	8193619.2	167.3	5	6	95	674.1	2981.4	144.9	153.6	238.3	205.0	591.9	375.3	611.1	661.4	104.0	177.6	95.0	8.9	46.8	30.6	53.6
SMDH 00007b	813771.2	8193619.2	167.3	6	7	90	696.2	2905.1	153.6	178.0	246.9	195.1	563.3	357.2	581.6	629.5	121.3	206.2	105.7	15.6	69.0	34.3	45.9
SMDH 00007	813834.1	8193620.1	166.4	0	1	60	1211.4	2823.2	671.1	112.8	766.4	106.7	308.2	195.4	318.2	344.4	453.8	506.0	439.4	14.4	127.0	118.0	19.9
SMDH 00007	813834.1	8193620.1	166.4	1	2	50	1677.7	2735.6	1202.1	126.8	750.9	55.0	158.8	100.7	163.9	177.4	307.6	371.3	298.3	9.3	99.9	76.7	26.0
SMDH 00007	813834.1	8193620.1	166.4	2	3	70	2611.9	3605.6	2168.6	124.3	673.8	53.6	154.7	98.1	159.7	172.9	378.5	440.3	367.4	11.1	119.2	97.5	21.4
SMDH 00007	813834.1	8193620.1	166.4	3	4	75	990.2	3154.0	410.3	64.6	816.2	156.2	451.0	286.0	465.7	504.0	275.6	306.2	270.6	5.0	67.1	69.8	19.9
SMDH 00007	813834.1	8193620.1	166.4	4	5	75	1135.2	2846.4	668.9	91.3	527.7	130.7	377.3	239.3	389.6	421.7	450.9	493.4	441.5	9.4	108.7	112.2	23.0
SMDH 00007	813834.1	8193620.1	166.4	5	6	80	1241.2	3140.6	693.6	129.2	593.1	144.6	417.6	264.8	431.2	466.6	475.0	534.7	458.9	16.1	132.1	121.2	24.5
SMDH 00007	813834.1	8193620.1	166.4	6	7	90	1548.9	3579.7	817.4	246.8	769.9	146.4	422.6	268.0	436.4	472.3	554.0	667.2	519.6	34.4	195.2	147.3	38.3
SMDH 00007	813834.1	8193620.1	166.4	7	8	95	1267.6	2977.5	693.0	147.9	715.7	119.1	344.0	218.1	355.2	384.4	475.5	544.0	457.0	18.5	139.6	122.5	27.6
SMDH 00007	813834.1	8193620.1	166.4	8	9	95	1353.1	2936.5	774.8	155.2	764.8	104.1	300.6	190.6	310.4	336.0	528.5	600.6	509.1	19.4	153.2	135.8	27.6
SMDH 00007	813834.1	8193620.1	166.4	9	10	95	977.9	2076.0	570.6	114.4	528.4	72.3	208.8	132.4	215.6	233.4	391.7	444.9	377.7	14.1	110.9	98.9	21.4
SMDH 00007	813834.1	8193620.1	166.4	10	11	90	1285.6	2795.7	752.6	136.4	703.9	100.8	291.2	184.6	300.7	325.4	511.3	574.5	495.0	16.4	140.0	130.2	27.6
SMDH 00006b	813894.9	8193619.3	166.1	0	1	65	1333.0	2667.2	805.9	127.8	799.9	78.3	226.0	143.3	233.4	252.6	547.4	606.7	530.4	16.9	155.6	145.1	19.9
SMDH 00006b	813894.9	8193619.3	166.1	1	2	55	1782.8	2925.8	1171.6	231.1	823.1	58.7	169.5	107.5	175.0	189.4	655.1	770.7	631.1	24.0	224.7	165.8	24.5
SMDH 00006b	813894.9	8193619.3	166.1	2	3	80	1202.2	2608.1	710.1	162.3	511.8	102.6	296.3	187.9	306.0	331.1	490.6	566.1	467.7	23.0	161.0	130.0	19.9
SMDH 00006b	813894.9	8193619.3	166.1	3	4	90	1155.1	2479.3	673.9	137.6	602.1	89.4	258.0	163.6	266.4	288.3	462.7	526.7	443.7	18.9	143.8	121.6	18.4
SMDH 00006b	813894.9	8193619.3	166.1	4	5	75	2517.5	3493.8	2046.1	139.7	728.8	48.6	140.2	88.9	144.8	156.7	428.9	499.4	417.0	11.9	134.9	107.0	21.4
SMDH 00006b	813894.9	8193619.3	166.1	5	6	85	1945.6	3907.1	1300.7	165.8	783.7	138.9	401.2	254.4	414.2	448.3	882.5	959.6	860.8	21.7	231.5	226.0	26.0
SMDH 00006b	813894.9	8193619.3	166.1	6	7	90	1643.8	3704.1	1005.3	151.8	762.8	149.6	432.0	273.9	446.0	482.7	684.0	754.9	665.6	18.4	183.0	174.2	27.6
SMDH 00006b	813894.9	8193619.3	166.1	7	8	85	1785.6	3695.3	1142.2	162.1	817.0	132.0	381.1	241.6	393.5	425.9	778.1	853.3	756.4	21.7	210.2	198.7	24.5
SMDH 00006b	813894.9	8193619.3	166.1	8	9	70	2060.9	3154.7	1482.4	221.6	763.2	57.6	166.4	105.5	171.9	186.0	712.8	824.1	691.5	21.3	233.9	184.6	27.6
SMDH 00006b	813894.9	8193619.3	166.1	9	10	90	1671.8	3520.6	1049.4	151.8	807.8	126.7	366.0	232.1	377.9	409.0	716.8	787.6	696.9	19.9	194.7	183.2	23.0
SMDH 00006b	813894.9	8193619.3	166.1	10	11	90	1742.4	3518.3	1120.1	164.3	797.2	120.5	347.8	220.5	359.1	388.7	764.1	840.3	742.0	22.2	210.5	198.3	24.5
SMDH 00006b	813894.9	8193619.3	166.1	11	11.5	45	2428.2	3738.3	1713.4	276.8	952.4	66.7	192.7	122.2	198.9	215.3	755.2	893.0	732.7	22.4	237.1	190.4	53.6
SMDH 00006	813955.9	8193624.5	167.6	0	1	40	1429.7	2841.3	862.6	147.5	835.9	83.5	241.0	152.8	248.8	269.3	590.9	659.3	572.2	18.8	156.4	142.8	26.0
SMDH 00006	813955.9	8193624.5	167.6	1	2	60	1073.2	2412.0	637.2	116.8	506.4	96.6	278.8	176.8	287.9	311.6	427.1	481.9	415.1	12.0	113.2	108.5	27.6
SMDH 00006	813955.9	8193624.5	167.6	2	3	70	1657.6	3284.5	1078.4	179.3	658.9	114.7	331.2	210.0	342.0	370.1	741.2	825.5	718.2	23.0	215.5	195.0	26.0
SMDH 00006	813955.9	8193624.5	167.6	3	4	85	1275.3	2774.3	792.3	121.7	581.5	107.2	309.6	196.3	319.7	346.0	534.2	591.0	519.2	15.0	144.7	137.1	21.4
SMDH 00006	813955.9	8193624.5	167.6	4	5	70	1308.1	2886.1	825.2	106.1	599.1	113.7	328.2	208.1	338.9	366.8	553.5	602.9	541.1	12.4	138.4	139.1	21.4
SMDH 00006	813955.9	8193624.5	167.6	5	6	85	1472.4	3427.9	784.0	197.9	828.1	135.7	391.7	248.4	404.5	437.8	538.5	630.9	513.9	24.6	170.8	139.1	33.7
SMDH 00006	813955.9	8193624.5	167.6	6	7	90	1389.5	2917.3	820.6	165.7	719.2	101.6	293.4	186.0	302.9	327.8	558.7	636.0	537.7	20.9	163.4	141.7	27.6
SMDH 00006	813955.9	8193624.5	167.6	7	8	80	1367.4	2895.8	800.0	153.9	756.7	99.4	287.0	182.0	296.3	320.7	543.9	615.4	523.7	20.1	157.9	138.4	24.5
SMDH 00006	813955.9	8193624.5	167.6	8	9	90	1356.2	2875.1	847.5	147.5	571.4	109.7	316.9	200.9	327.2	354.1	572.9	641.4	554.8	18.1	162.1	150.5	27.6
SMDH 00006	813955.9	8193624.5	167.6	9	10	90	1241.4	2670.3	749.7	126.4	630.0	97.6	281.9	178.7	291.0	315.0	506.7	565.2	490.3	16.4	145.6	134.9	21.4
SMDH 00005b	814013.0	8193621.9	168.4	0	1	20	1632.7	3248.7	970.5	120.4	1180.3	82.0	236.7	150.1	244.4	264.5	615.3	670.5	598.8	16.5	139.2	132.4	19.9
SMDH 00005b	814013.0	8193621.9	168.4	1	2	25	1642.1	3018.2	1060.9	185.6	765.7	84.3	243.5	154.4	251.5	272.2	513.4	601.6	501.1	12.3	124.1	124.4	62.8
SMDH 00005b	814013.0	8193621.9	168.4	2	3	65	1277.1	2926.2	741.3	104.3	762.7	110.5	319.0	202.3	329.4	356.5	493.7	542.2	482.9	10.8	127.4	130.7	26.0
SMDH 00005b	814013.0	8193621.9	168.4	3	4	90	1486.3	2961.2	961.8	128.0	720.8	96.5	278.6	176.6	287.6	311.3	652.6	712.2	637.3	15.4	172.3	170.5	24.5
SMDH 00005b	814013.0	8193621.9	168.4	4	5	90	1498.2	3171.5	917.7	139.5	785.3	111.4	321.8	204.0	332.2	359.6	618.4	683.6	603.0	15.3	161.8	158.6	30.6
SMDH 00005b	814013.0	8193621.9	168.4	5	6	95	1414.9	3019.6	857.7	124.7	788.5	104.7	302.3	191.7	312.2	337.8	574.9	632.9	561.0	13.9	147.6	146.1	27.6
SMDH 00005	814079.7	8193625.4	168.6	0	1	50	1243.9	2728.2	736.0	112.9	710.9	98.0	282.9	179.4	292.1	316.1	495.5	548.0	483.1	12.4	127.2	126.0	26.0
SMDH 00005	814079.7	8193625.4	168.6	1	2	40	1567.2	3463.4	809.1	182.9	1164.9	109.5	316.3	200.6	326.6	353.5	378.7	467.7	371.6	7.2	90.2	90.2	70.4
SMDH 00005	814079.7	8193625.4	168.6	2	3	60	1529.4	3420.9	913.6	125.8	857.6	127.8	369.0	233.9	380.9	412.3	618.6	676.3	603.5	15.1	156.6	158.4	27.6
SMDH 00005	814079.7	8193625.4	168.6	3	4	65	1370.0	3094.5	802.8	111.1	815.7	114.4	330.5	209.5	341.2	369.3	542.8	594.3	529.7	13.2	138.7	137.8	23.0
SMDH 00005	814079.7	8193625.4	168.6	4	5	65	1471.2	3428.7	853.5	126.1	831.1	135.7	391.7	248.4	404.5	437.8	578.7	637.2	563.4	15.3	152.3	147.6	24.5
SMDH 00005	814079.7	8193625.4	168.6	5	6	80	1389.7	3247.4	780.7	139.1	800.7	128.0	369.7	234.4	381.7	413.1	531.7	596.0	514.2	17.5	149.1	138.3	26.0
SMDH 00005	814079.7	8193625.4	168.6	6	7	75	1282.3	2878.2	740.6	122.0	746.1	106.4	307.4	194.9	317.4	343.5	503.7	560.1	488.5	15.2	138.1	130.1	23.0
SMDH 00005	814079.7	8193625.4	168.6	7	8	85	1455.7	3114.2	859.2	138.2	855.5	105.7	305.4	193.6	315.3	341.2	582.0	646.3	565.6	16.4	158.6	151.6	27.6
SMDH 00005	814079.7	8193625.4	168.6	8	9	90	1403.5	2940.8	824.2	138.4	851.7	94.4	272.7	172.9	281.6	304.8	559.8	623.9	543.2	16.6	152.8	144.7	27.6
SMDH 00005	814079.7	8193625.4	168.6	9	10	92	1509.9	3193.9	879.7	151.4	918.0	104.4	301.4	191.1	311.2	336.8	596.3	666.7	578.0	18.3	165.4	153.9	29.1
SMDH 00004b	814131.7	8193625.1	168.2	0	1	40	1192.3	3070.6	569.1	126.5	888.5	124.6	359.9	228.2	371.6	402.2	384.8	444.0	372.7	12.1	100.0	92.9	33.7
SMDH 00004b	814131.7	8193625.1	168.2	1	2	45	1229.9	2936.5	677.3	126.4	715.6	118.8	343.1	217.6	354.3	383.4	460.2	519.2	447.1	13.2	115.6	109.2	30.6
SMDH 00004b	814131.7	8193625.1	168.2	2	3	90	1273.3	3110.4	693.4	124.3	758.8	128.6	371.3	235.5	383.4	415.0	466.7	524.9	454.5	12.2	116.0	112.7	32.1
SMDH 00004b	814131.7	8193625.1	168.2	3	4	85	1280.5	3208.4	666.2	135.1	800.3	134.7	389.0	246.7	401.7	434.7	447.1	510.3	433.4	13.6	118.9	111.5	33.7
SMDH 00004b	814131.7	8193625.1	168.2	4	5	85	1612.4	3744.4	925.6	172.6	828.0	152.4	440.2	279.1	454.5	491.9	638.7	717.4	615.3	23.4	183.9	167.6	30.6
SMDH 00004b	814131.7	8193625.1	168.2	5	6	80	1162.2	3133.7	577.2	122.7	717.6	143.9	415.5	263.4	429.0	464.3	394.5	451.8	381.2	13.3	112.0	101.3	27.6
SMDH 00004b	814131.7	8193625.1	168.2	6	7	60	1347.6	3503.9	689.0	133.3	856.1	153.1	442.0	280.2	456.3	493.9	467.4	529.6	453.4	14.0	123.4	117.1	32.1
SMDH 00004b	814131.7	8193625.1	168.2	7	8	65	1501.5	3666.4	825.1	136.3	906.0	150.8	435.6	276.2	449.7	486.7	549.6	612.9	533.9	15.7	144.9	139.0	29.1
SMDH 00004	814196.8	8193624.7	167.3	0	1	45	1277.0	3624.2	518.8	95.3	1263.6	146.4	422.9	268.1	436.6	472.5	347.2	391.6	337.6	9.6	87.3	84.2	24.5
SMDH 00004	814196.8	8193624.7	167.3	1	2	45	719.2	2169.4	300.1	59.9	597.4	101.6	293.4	186.1	303.0	327.9	203.5	231.6	197.6	5.8	54.0	51.0	15.3
SMDH 00004	814196.8	8193624.7	167.3	2	3	40	818.4	2267.0	432.0	52.1	507.7	106.9	308.7	195.7	318.8	345.0	291.9	316.5	287.1	4.8	69.9	72.8	13.8
SMDH 00004	814196.8	8193624.7	167.3	3	4	60	1457.8	3433.6	851.9	91.7	904.0	133.0	384.0	243.5	396.5	429.1	572.6	615.1	562.4	10.2	132.7	140.5	21.4
SMDH 00004	814196.8	8193624.7	167.3	4	5	55	1430.9	3376.1	857.6	93.5	793.7	136.8	394.9	250.4	407.8	441.3	576.8	619.9	566.0	10.8	135.6	143.2	21.4
SMDH 00004	814196.8	8193624.7	167.3	5	6	75	1124.5	2840.9	617.6	72.9	739.1	118.3	341.7	216.6	352.8	381.8	416.8	450.5	409.0	7.8	98.5	103.8	18.4
SMDH 00004	814196.8	8193624.7	167.3	6	7	70	882.9	2474.4	445.3	51.8	625.2	113.4	327.4	207.6	338.0	365.8	299.6	323.7	294.5	5.0	69.2	72.9	13.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00004	814196.8	8193624.7	167.3	7	8	85	1087.4	2563.4	651.9	65.4	624.1	102.5	295.8	187.6	305.5	330.6	436.7	467.0	430.3	6.4	100.9	111.1	18.4
SMDH 00003b	814252.8	8193621.9	166.1	0	1	60	1504.7	3692.4	680.6	120.9	1487.3	117.7	339.8	215.5	350.9	379.8	458.6	514.7	445.5	13.0	116.9	112.7	29.1
SMDH 00003b	814252.8	8193621.9	166.1	1	2	80	1707.0	3598.0	1014.4	179.3	942.2	122.6	354.0	224.5	365.5	395.6	687.5	770.2	663.9	23.6	197.2	181.2	30.6
SMDH 00003b	814252.8	8193621.9	166.1	2	3	85	1061.1	2646.1	611.7	92.0	524.9	118.8	343.2	217.6	354.4	383.5	415.2	458.4	406.1	9.0	103.7	103.7	23.0
SMDH 00003b	814252.8	8193621.9	166.1	3	4	65	1165.7	2763.2	670.0	118.2	591.8	116.0	334.9	212.3	345.8	374.2	452.7	507.7	439.3	13.4	118.2	111.5	26.0
SMDH 00003b	814252.8	8193621.9	166.1	4	5	70	1340.0	3260.6	704.8	169.1	756.5	136.7	394.7	250.3	407.5	441.1	481.2	559.5	460.3	20.9	143.5	121.0	32.1
SMDH 00003b	814252.8	8193621.9	166.1	5	6	88	1265.0	3009.1	657.1	189.4	669.9	125.2	361.4	229.2	373.2	403.9	451.6	539.6	427.0	24.6	151.3	115.8	30.6
SMDH 00003b	814252.8	8193621.9	166.1	6	7	75	1262.2	3008.5	686.3	156.0	673.3	125.2	361.4	229.2	373.2	403.9	465.8	538.0	446.3	19.6	137.5	117.3	29.1
SMDH 00003b	814252.8	8193621.9	166.1	7	8	70	949.0	2031.1	636.9	71.6	345.8	81.9	236.5	150.0	244.2	264.3	429.1	462.2	420.2	8.9	104.1	105.3	13.8
SMDH 00003b	814252.8	8193621.9	166.1	8	9	85	967.7	2577.4	518.4	67.5	601.7	116.5	336.5	213.3	347.4	376.0	347.6	379.3	341.4	6.2	81.2	84.2	18.4
SMDH 00003	814316.9	8193617.8	164.8	0	1	45	1100.1	2404.0	584.2	69.9	984.5	64.2	185.3	117.5	191.3	207.1	391.4	423.3	381.4	10.0	97.8	96.3	10.7
SMDH 00003	814316.9	8193617.8	164.8	1	2	50	1490.1	3217.2	953.9	111.2	701.2	121.6	351.3	222.7	362.7	392.5	648.0	699.3	633.7	14.3	163.3	165.2	19.9
SMDH 00003	814316.9	8193617.8	164.8	2	3	55	1106.2	2504.8	661.7	134.5	443.7	106.1	306.2	194.2	316.2	342.2	454.8	516.2	436.8	18.1	129.2	115.0	24.5
SMDH 00003	814316.9	8193617.8	164.8	3	4	50	1134.2	2645.9	677.9	122.5	474.9	114.9	331.8	210.4	342.6	370.8	461.1	517.4	445.4	15.8	127.5	117.7	23.0
SMDH 00003	814316.9	8193617.8	164.8	4	5	35	1056.9	2291.8	640.1	132.4	430.5	91.3	263.6	167.1	272.2	294.6	437.3	498.0	419.6	17.7	126.8	110.6	23.0
SMDH 00003	814316.9	8193617.8	164.8	5	6	50	1089.0	2465.3	625.1	144.6	488.1	101.2	292.3	185.4	301.8	326.7	428.0	494.7	409.4	18.6	128.0	108.5	26.0
SMDH 00003	814316.9	8193617.8	164.8	6	7	75	1049.0	2394.0	583.5	150.9	486.9	98.3	283.9	180.0	293.2	317.3	404.5	474.7	385.1	19.4	128.4	102.1	24.5
SMDH 00003	814316.9	8193617.8	164.8	7	8	65	925.8	2067.2	488.7	162.2	441.7	81.7	235.9	149.6	243.6	263.7	342.9	418.2	320.3	22.6	125.3	87.2	21.4
SMDH 00003	814316.9	8193617.8	164.8	8	8.5	45	1120.0	2490.3	636.0	167.6	480.9	101.1	291.9	185.1	301.4	326.2	441.7	519.2	418.6	23.1	143.7	111.6	24.5
SMDH 00002b	814371.1	8193619.7	163.5	0	1	45	1431.1	3111.9	827.9	108.8	976.0	100.5	290.3	184.1	299.8	324.4	562.6	612.2	547.1	15.5	144.4	138.8	16.8
SMDH 00002b	814371.1	8193619.7	163.5	1	2	50	1194.4	2945.5	671.5	107.9	653.1	126.9	366.3	232.3	378.2	409.3	454.7	504.8	441.8	12.9	117.5	110.2	21.4
SMDH 00002b	814371.1	8193619.7	163.5	2	3	90	611.5	2150.9	196.0	49.9	577.0	111.3	321.5	203.9	332.0	359.3	135.4	159.1	131.2	4.2	39.0	34.8	13.8
SMDH 00002b	814371.1	8193619.7	163.5	3	4	85	1397.6	2774.4	1023.4	66.6	445.6	103.9	299.9	190.2	309.7	335.2	691.7	722.1	683.2	8.5	152.9	170.6	13.8
SMDH 00002b	814371.1	8193619.7	163.5	4	5	80	176.5	1336.0	10.8	4.8	18.9	109.1	315.1	199.8	325.4	352.1	9.1	10.2	7.1	2.0	2.3	2.0	0.8
SMDH 00002b	814371.1	8193619.7	163.5	5	6	90	995.1	2664.9	591.3	61.5	428.8	132.8	383.3	243.1	395.8	428.4	392.5	421.2	387.5	5.0	84.7	96.0	19.9
SMDH 00002b	814371.1	8193619.7	163.5	6	7	95	831.7	2084.9	522.6	64.9	275.4	102.5	295.8	187.6	305.5	330.6	349.6	379.8	343.6	6.0	79.0	84.6	18.4
SMDH 00002b	814371.1	8193619.7	163.5	7	7.5	50	3416.3	4272.4	3107.8	74.5	432.7	55.1	159.2	100.9	164.3	177.9	145.2	181.3	142.2	3.0	36.8	36.4	29.1
SMDH 00002	814436.0	8193623.8	162.5	0	1	40	1139.0	2357.7	726.3	103.0	530.8	83.6	241.5	153.1	249.4	269.9	491.3	538.5	477.1	14.2	126.9	122.0	16.8
SMDH 00002	814436.0	8193623.8	162.5	1	2	70	701.3	1938.2	362.6	66.4	386.0	94.2	271.9	172.4	280.8	303.9	244.6	275.8	237.7	6.9	64.7	60.4	15.3
SMDH 00002	814436.0	8193623.8	162.5	2	3	65	295.4	1282.7	63.4	31.5	246.7	78.9	227.9	144.5	235.3	254.6	45.8	60.6	43.5	2.3	14.2	11.4	10.7
SMDH 00002	814436.0	8193623.8	162.5	3	4	80	599.9	1628.6	332.0	54.2	274.5	81.2	234.3	148.6	242.0	261.9	223.9	249.1	218.3	5.6	54.7	54.0	13.8
SMDH 00002	814436.0	8193623.8	162.5	4	5	90	1109.5	2545.2	675.3	132.1	396.6	112.5	324.7	205.9	335.3	362.9	460.8	521.3	443.9	16.9	125.0	114.0	26.0
SMDH 00002	814436.0	8193623.8	162.5	5	6	90	1269.1	3103.1	672.7	130.6	797.4	126.0	363.8	230.6	375.6	406.5	457.2	517.1	440.2	17.0	123.5	110.5	24.5
SMDH 00002	814436.0	8193623.8	162.5	6	7	95	540.8	2190.5	101.9	48.2	614.2	119.6	345.3	218.9	356.5	385.8	71.6	94.5	68.5	3.0	20.2	16.2	16.8
SMDH 00002	814436.0	8193623.8	162.5	7	8	98	1066.9	2862.1	485.1	111.1	834.1	120.0	346.6	219.8	357.9	387.4	333.1	385.1	320.5	12.6	92.0	78.6	23.0
SMDH 00002	814436.0	8193623.8	162.5	8	9	98	1126.2	3931.8	343.7	76.9	1194.4	194.2	560.9	355.6	579.1	626.8	232.2	268.9	225.5	6.7	60.5	54.0	19.9
SMDH 00002	814436.0	8193623.8	162.5	9	10	90	1440.2	3108.1	961.4	112.4	517.3	127.2	367.3	232.9	379.2	410.4	646.9	699.3	633.0	14.0	155.2	154.4	19.9
SMDH 00002	814436.0	8193623.8	162.5	10	11	95	1683.5	3427.1	1094.6	206.5	538.3	133.1	384.4	243.7	396.9	429.5	747.0	842.1	719.2	27.8	208.3	183.6	33.7
SMDH 00002	814436.0	8193623.8	162.5	11	12	98	1427.2	3267.0	795.0	175.4	761.8	128.7	371.6	235.6	383.7	415.2	545.6	626.4	523.0	22.5	154.9	132.4	32.1
SMDH 00002	814436.0	8193623.8	162.5	12	13	95	1476.4	3302.6	851.0	165.1	781.1	126.2	364.5	231.1	376.3	407.3	584.7	660.2	562.9	21.8	157.8	141.2	30.6
SMDH 00002	814436.0	8193623.8	162.5	13	14	90	1327.4	3109.0	728.6	139.0	801.1	120.8	348.7	221.1	360.1	389.7	499.5	562.7	480.3	19.2	138.6	123.9	24.5
SMDH 00001b	814495.3	8193621.3	161.6	0	1	65	1471.8	3869.1	707.7	127.1	1144.4	158.5	457.6	290.1	472.4	511.3	484.0	543.1	468.7	15.3	132.3	121.1	24.5
SMDH 00001b	814495.3	8193621.3	161.6	1	2	50	651.2	2603.9	243.7	89.3	203.3	173.4	500.6	317.4	516.9	559.4	174.1	216.8	165.5	8.6	63.7	48.8	19.9
SMDH 00001b	814495.3	8193621.3	161.6	2	3	60	670.1	3022.3	192.8	79.4	298.0	205.6	593.7	376.4	613.0	663.4	137.8	175.3	130.8	7.0	46.4	36.0	21.4
SMDH 00001b	814495.3	8193621.3	161.6	3	4	70	1144.0	6003.0	243.1	154.6	340.2	441.4	1274.7	808.2	1316.2	1424.5	184.2	257.1	169.7	14.5	78.1	50.9	39.8
SMDH 00001b	814495.3	8193621.3	161.6	4	5	60	1192.1	6067.7	280.3	153.7	374.5	440.9	1273.3	807.3	1314.7	1422.9	209.9	282.2	194.4	15.6	82.5	54.5	36.7
SMDH 00001b	814495.3	8193621.3	161.6	5	6	75	1335.7	4109.2	582.0	194.0	679.9	222.5	642.4	407.3	663.3	717.9	413.7	504.1	390.7	23.0	134.1	100.2	38.3
SMDH 00001b	814495.3	8193621.3	161.6	6	7	70	890.7	2324.5	455.7	109.9	481.1	107.1	309.4	196.2	319.4	345.7	315.4	366.8	303.4	12.0	89.3	77.2	24.5
SMDH 00001b	814495.3	8193621.3	161.6	7	8	85	1124.6	3377.8	494.3	136.5	694.5	172.1	496.9	315.1	513.1	555.3	345.5	408.8	330.1	15.4	102.2	85.7	30.6
SMDH 00001b	814495.3	8193621.3	161.6	8	9	90	1235.3	4011.8	513.5	172.2	641.7	225.1	649.9	412.1	671.1	726.3	362.2	442.1	342.3	19.9	118.1	91.6	36.7
SMDH 00001b	814495.3	8193621.3	161.6	9	9.5	80	879.0	2519.9	374.6	120.1	595.9	119.8	346.1	219.4	357.3	386.7	264.1	320.2	251.2	12.9	82.0	64.9	27.6
SMDH 00001	814555.8	8193622.1	161.8	0	1	40	1378.8	3063.6	635.4	205.6	1132.1	91.4	264.0	167.4	272.6	295.0	376.3	475.4	365.1	11.2	102.9	94.2	71.9
SMDH 00001	814555.8	8193622.1	161.8	1	2	55	1484.8	3493.2	796.3	130.0	1049.0	127.3	367.5	233.0	379.5	410.7	543.7	603.4	526.5	17.2	144.5	134.5	23.0
SMDH 00001	814555.8	8193622.1	161.8	2	3	60	1203.3	2835.5	628.8	100.0	927.7	98.9	285.5	181.0	294.7	319.0	428.9	474.9	416.9	12.0	108.6	105.1	21.4
SMDH 00001	814555.8	8193622.1	161.8	3	4	50	1052.1	2537.4	570.3	130.7	550.7	107.8	311.3	197.4	321.4	347.9	390.6	452.2	378.7	11.9	104.4	97.0	35.2
SMDH 00001	814555.8	8193622.1	161.8	4	5	90	919.7	2628.5	413.7	135.4	512.6	131.4	379.3	240.5	391.7	423.9	285.1	349.0	274.8	10.3	77.1	69.6	42.9
SMDH 00001	814555.8	8193622.1	161.8	5	6	85	884.0	2570.4	370.8	130.8	566.0	126.0	363.8	230.7	375.7	406.6	256.3	318.2	246.5	9.8	71.6	62.9	41.3
SMDH 00001	814555.8	8193622.1	161.8	6	7	80	842.9	2234.3	433.2	99.4	448.7	105.1	303.4	192.4	313.2	339.0	297.3	344.2	289.0	8.4	76.5	72.9	29.1
SMDH 00001	814555.8	8193622.1	161.8	7	8	95	1033.7	2631.9	538.3	110.8	617.5	114.5	330.6	209.6	341.3	369.4	366.9	418.8	356.7	10.2	94.7	91.4	30.6
SMDH 00001	814555.8	8193622.1	161.8	8	9	85	1207.9	2695.4	734.4	103.4	618.9	103.9	299.9	190.2	309.7	335.2	487.3	535.3	475.6	11.8	123.7	123.6	23.0
SMDH 00001	814555.8	8193622.1	161.8	9	10	90	1101.0	2653.8	602.4	105.7	669.6	107.0	309.0	195.9	319.0	345.3	409.6	458.6	398.3	11.3	105.4	102.8	26.0
SMDH 00001	814555.8	8193622.1	161.8	10	11	60	1016.1	2600.5	552.1	91.7	579.8	115.4	333.4	211.4	344.2	372.5	373.9	416.2	363.6	10.3	96.6	94.1	21.4
SMDH 00001	814555.8	8193622.1	161.8	11	12	65	1202.2	2901.9	669.9	102.4	732.7	117.1	338.2	214.5	349.2	378.0	455.5	502.8	444.2	11.3	114.1	114.5	24.5
SMDH 00001	814555.8	8193622.1	161.8	12	13	75	1120.6	2589.4	728.1	63.5	478.4	110.6	319.4	202.5	329.8	357.0	489.0	518.4	482.6	6.5	108.5	120.5	16.8
SMDH 00001	814555.8	8193622.1	161.8	13	14	70	944.5	2355.1	561.1	70.8	447.0	107.0	309.0	195.9	319.0	345.3	376.9	409.9	369.8	7.2	90.6	95.1	18.4
SMDH 00205	814496.8	8193504.0	162.1	0	1	45	1351.5	2682.0	788.9	155.9	828.5	76.2	220.0	139.5	227.2	245.9	478.1	550.1	462.0	16.1	125.9	119.2	41.3
SMDH 00205	814496.8	8193504.0	162.1	1	2	50	1353.8	3252.8	751.1	117.8	834.9	129.9	375.0	237.8	387.2	419.1	511.8	566.5	498.0	13.9	132.7	128.1	24.5
SMDH 00205	814496.8	8193504.0	162.1	2	3	50	1009.8	3351.5	321.0	64.6	1125.1	154.3	445.7	282.6	460.1	498.0	217.6	248.2	213.0	4.6	50.9	51.8	21.4
SMDH 00205	814496.8	8193504.0	162.1	3	4	60	514.4	1948.3	107.9	44.6	615.1	99.0	285.9	181.2	295.1	319.4	76.4	97.6	73.5	2.9	21.4	17.9	15.3
SMDH 00205	814496.8	8193504.0	162.1	4	5	40	4112.8	4711.7	3891.7	56.8	304.8	38.4	111.0	70.4	114.6	124.1	26.1	53.3	24.1	2.0	8.1	6.1	24.5
SMDH 00205	814496.8	8193504.0	162.1	5	6	45	705.6	1978.4	338.0	54.5	516.1	89.7	259.0	164.2	267.4	289.4	226.9	252.5	222.0	4.9	54.7	54.6	15.3

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00205	814496.8	8193504.0	162.1	6	7	70	1337.8	3114.0	722.2	133.8	883.7	115.2	332.7	211.0	343.5	371.8	491.8	552.8	474.8	17.0	128.8	118.7	27.6
SMDH 00205	814496.8	8193504.0	162.1	7	8	75	1206.1	2997.4	633.0	127.4	745.1	125.1	361.2	229.0	372.9	403.6	433.8	492.2	417.9	15.8	118.0	106.6	26.0
SMDH 00205	814496.8	8193504.0	162.1	8	9	80	1423.0	3499.0	754.0	144.4	893.0	143.2	413.4	262.1	426.9	462.0	518.0	584.1	499.7	18.3	139.0	127.0	29.1
SMDH 00205	814496.8	8193504.0	162.1	9	10	80	1610.1	3935.3	878.6	138.1	1021.4	159.1	459.3	291.2	474.3	513.3	598.0	661.0	579.7	18.3	158.0	150.9	26.0
SMDH 00205	814496.8	8193504.0	162.1	10	11	90	1472.9	3662.5	775.1	139.6	959.6	149.9	432.9	274.5	447.0	483.8	508.8	573.1	490.5	18.3	141.7	127.2	24.5
SMDH 00205	814496.8	8193504.0	162.1	11	12	40	1366.9	3283.5	712.1	154.2	883.4	128.6	371.3	235.5	383.4	415.0	490.4	561.1	468.6	21.7	147.7	124.2	23.0
SMDH 00205	814496.8	8193504.0	162.1	12	13	60	1187.0	2932.3	619.3	132.5	729.7	121.6	351.3	222.7	362.7	392.5	423.2	484.3	405.4	17.8	126.5	107.2	21.4
SMDH 00205	814496.8	8193504.0	162.1	13	14	55	1194.8	2933.4	631.6	135.6	705.4	122.5	353.7	224.2	365.2	395.2	436.9	498.8	417.9	19.0	130.1	110.5	21.4
SMDH 00205	814496.8	8193504.0	162.1	14	15	90	1260.1	3188.8	639.8	146.8	779.1	136.1	392.9	249.1	405.7	439.1	444.2	511.6	424.8	19.3	133.3	113.5	26.0
SMDH 00205	814496.8	8193504.0	162.1	15	16	90	1355.7	4762.6	522.8	194.3	657.5	284.1	820.3	520.1	846.9	916.7	369.4	459.7	348.4	21.0	123.0	95.6	45.9
SMDH 00205b	814436.9	8193509.1	163.1	0	1	40	1275.2	3139.9	682.6	102.4	871.0	124.4	359.3	227.8	371.0	401.5	458.5	505.3	445.7	12.8	114.4	111.7	21.4
SMDH 00205b	814436.9	8193509.1	163.1	1	2	50	1155.7	2658.0	638.8	122.5	700.2	100.3	289.7	183.7	299.1	323.7	436.8	493.1	421.6	15.3	119.7	109.6	24.5
SMDH 00205b	814436.9	8193509.1	163.1	2	3	60	1114.1	2648.2	588.5	126.7	700.5	103.3	298.4	189.2	308.1	333.5	404.5	462.8	388.1	16.4	118.6	102.9	23.0
SMDH 00205b	814436.9	8193509.1	163.1	3	4	60	948.8	2233.1	505.2	112.1	577.5	87.1	251.4	159.4	259.6	280.9	343.6	395.7	330.4	13.2	97.5	85.3	23.0
SMDH 00205b	814436.9	8193509.1	163.1	4	5	60	994.0	2398.1	557.1	90.4	573.6	98.7	285.0	180.7	294.2	318.5	377.5	419.1	366.8	10.8	95.1	91.8	19.9
SMDH 00205b	814436.9	8193509.1	163.1	5	6	80	1307.5	3314.3	628.6	164.8	888.7	136.9	395.2	250.6	408.0	441.6	429.3	505.4	409.0	20.4	135.1	111.4	32.1
SMDH 00205b	814436.9	8193509.1	163.1	6	7	90	1100.7	3045.4	546.1	76.0	789.7	137.0	395.5	250.8	408.4	442.0	364.0	399.4	356.4	7.6	87.2	89.4	19.9
SMDH 00205b	814436.9	8193509.1	163.1	7	8	90	882.8	2764.9	317.0	66.3	896.3	124.5	359.6	228.0	371.3	401.8	214.3	245.6	209.4	4.9	51.8	51.5	21.4
SMDH 00205b	814436.9	8193509.1	163.1	8	9	60	1530.7	4065.9	787.6	101.3	1094.9	174.6	504.1	319.6	520.5	563.3	521.3	568.1	510.6	10.7	125.1	130.2	26.0
SMDH 00205b	814436.9	8193509.1	163.1	9	9.8	65	2532.3	7503.9	1115.1	160.4	2140.4	342.8	989.8	627.6	1021.9	1106.0	739.8	814.0	723.1	16.6	184.0	189.3	41.3
SMDH 00206	814379.5	8193503.9	164.1	0	1	40	1107.4	2033.4	659.6	112.6	766.0	41.5	119.9	76.0	123.8	134.0	365.4	418.4	353.4	12.0	105.3	95.7	24.5
SMDH 00206	814379.5	8193503.9	164.1	1	2	40	980.2	2123.2	565.4	132.6	467.5	80.3	231.9	147.0	239.4	259.1	384.1	446.0	366.7	17.5	124.1	101.4	19.9
SMDH 00206	814379.5	8193503.9	164.1	2	3	55	1048.0	2500.9	546.7	135.6	619.4	100.5	290.3	184.1	299.8	324.4	371.6	435.1	354.8	16.8	118.4	95.9	23.0
SMDH 00206	814379.5	8193503.9	164.1	3	4	75	1039.2	2278.3	575.3	146.8	547.7	84.6	244.2	154.8	252.1	272.9	390.4	458.7	371.2	19.2	128.9	102.5	23.0
SMDH 00206	814379.5	8193503.9	164.1	4	5	80	1086.5	2522.3	632.0	119.9	515.1	105.2	303.9	192.7	313.8	339.6	426.6	482.4	412.2	14.4	121.3	109.4	23.0
SMDH 00206	814379.5	8193503.9	164.1	5	6	95	1010.0	2522.3	573.2	74.3	579.2	108.6	313.7	198.9	323.9	350.5	384.5	418.7	376.4	8.1	96.6	99.8	18.4
SMDH 00206	814379.5	8193503.9	164.1	6	7	90	1092.0	2463.1	635.6	119.8	554.2	96.7	279.3	177.1	288.4	312.1	427.4	483.0	413.2	14.2	121.2	111.3	24.5
SMDH 00206	814379.5	8193503.9	164.1	7	8	80	981.7	2354.9	509.8	130.9	568.8	96.0	277.3	175.8	286.3	309.9	347.7	408.8	331.1	16.6	112.7	89.9	21.4
SMDH 00206	814379.5	8193503.9	164.1	8	9	90	1017.1	2571.4	511.4	147.0	544.7	114.7	331.3	210.0	342.0	370.2	351.2	419.5	331.9	19.3	112.5	84.1	23.0
SMDH 00206b	814314.0	8193504.4	164.6	0	1	30	1345.0	2946.5	735.0	95.3	1088.8	86.1	248.7	157.7	256.8	278.0	494.3	537.9	481.5	12.8	117.9	116.1	16.8
SMDH 00206b	814314.0	8193504.4	164.6	1	2	50	1281.1	2833.5	737.4	162.2	628.4	109.5	316.1	200.4	326.4	353.2	507.8	582.8	485.8	22.0	152.1	126.8	24.5
SMDH 00206b	814314.0	8193504.4	164.6	2	3	65	1315.0	3059.5	748.8	134.1	718.4	122.3	353.0	223.8	364.5	394.5	501.9	564.0	484.6	17.3	138.1	124.7	23.0
SMDH 00206b	814314.0	8193504.4	164.6	3	4	60	1385.0	3128.9	827.5	131.9	695.1	123.6	357.0	226.3	368.6	398.9	555.5	616.4	539.3	16.3	143.4	135.8	26.0
SMDH 00206b	814314.0	8193504.4	164.6	4	5	80	1246.2	2963.4	732.6	111.4	623.2	125.4	362.2	229.7	374.0	404.8	489.7	540.8	475.8	13.9	121.4	118.3	23.0
SMDH 00206b	814314.0	8193504.4	164.6	5	6	75	2372.3	4041.0	1843.3	114.5	691.8	116.7	336.9	213.6	347.8	376.5	489.0	540.0	472.3	16.7	132.4	128.6	21.4
SMDH 00206b	814314.0	8193504.4	164.6	6	7	80	2174.4	3986.7	1603.5	129.5	719.6	128.6	371.4	235.5	383.5	415.1	525.3	583.7	507.4	17.9	143.0	137.9	24.5
SMDH 00206b	814314.0	8193504.4	164.6	7	8	85	2834.8	4898.3	2172.0	124.5	948.7	138.6	400.2	253.8	413.2	447.2	615.4	673.5	601.2	14.2	159.2	159.5	26.0
SMDH 00206b	814314.0	8193504.4	164.6	8	9	90	2629.1	4353.8	2105.3	86.7	746.6	118.7	342.6	217.2	353.8	382.9	490.5	531.1	481.8	8.8	117.9	126.8	21.4
SMDH 00206b	814314.0	8193504.4	164.6	9	10	80	1975.6	3651.4	1488.8	105.8	566.2	125.0	360.9	228.8	372.6	403.3	565.3	614.0	553.2	12.2	144.6	151.7	24.5
SMDH 00206b	814314.0	8193504.4	164.6	10	11	90	2308.6	4068.3	1756.9	117.4	719.4	123.6	357.0	226.4	368.6	399.0	584.5	638.0	569.1	15.3	154.9	156.1	23.0
SMDH 00206b	814314.0	8193504.4	164.6	11	12	90	1911.4	3916.5	1258.3	129.7	922.9	134.6	388.7	246.5	401.3	434.4	573.8	631.9	555.4	18.5	149.8	148.1	24.5
SMDH 00207	814258.7	8193503.5	165.1	0	1	50	1038.0	2970.1	500.5	75.1	736.8	139.0	401.3	254.5	414.4	448.5	304.3	340.1	296.9	7.4	67.3	63.6	16.8
SMDH 00207	814258.7	8193503.5	165.1	1	2	65	1404.6	2835.4	972.9	113.0	459.7	108.1	312.2	198.0	322.4	348.9	490.3	543.8	477.7	12.6	129.3	123.2	21.4
SMDH 00207	814258.7	8193503.5	165.1	2	3	55	2538.2	4260.9	1965.4	137.1	742.2	118.7	342.9	217.4	354.0	383.2	446.1	511.1	429.6	16.5	134.1	112.9	21.4
SMDH 00207	814258.7	8193503.5	165.1	3	4	70	2287.6	4241.6	1600.4	180.9	885.8	132.0	381.2	241.7	393.6	426.0	656.1	741.2	631.4	24.7	176.5	146.4	21.4
SMDH 00207	814258.7	8193503.5	165.1	4	5	60	2682.2	4406.5	2122.9	109.4	793.4	115.8	334.3	212.0	345.2	373.6	387.0	439.7	375.2	11.8	112.3	98.9	18.4
SMDH 00207	814258.7	8193503.5	165.1	5	6	85	2212.7	4159.8	1596.8	125.6	831.4	134.7	388.9	246.6	401.5	434.6	444.8	504.0	429.4	15.4	128.0	112.8	19.9
SMDH 00207	814258.7	8193503.5	165.1	6	7	75	2284.1	4772.8	1493.8	126.2	1198.4	163.9	473.2	300.0	488.5	528.8	558.1	617.0	543.1	15.0	153.2	149.1	24.5
SMDH 00207	814258.7	8193503.5	165.1	7	8	60	1851.3	3674.4	1262.6	126.4	789.9	125.4	362.1	229.6	373.8	404.6	550.5	608.3	532.7	17.7	148.2	140.2	19.9
SMDH 00207	814258.7	8193503.5	165.1	8	9	80	1692.2	3249.1	1252.0	93.4	500.5	117.7	339.8	215.4	350.8	379.7	526.6	569.9	516.3	10.3	128.1	137.0	21.4
SMDH 00207	814258.7	8193503.5	165.1	9	10	90	1490.0	3094.3	981.3	115.6	645.6	113.3	327.3	207.5	337.9	365.7	511.3	564.9	497.9	13.5	126.9	127.5	24.5
SMDH 00207	814258.7	8193503.5	165.1	10	10.5	40	1744.0	2529.1	1462.1	45.9	474.0	45.9	132.4	84.0	136.8	148.0	174.2	195.8	170.4	3.8	42.9	42.1	13.8
SMDH 00207b	814199.0	8193505.2	165.2	0	1	45	1579.0	3257.4	877.0	128.4	1265.0	82.8	239.0	151.5	246.8	267.1	421.4	481.4	406.6	14.8	123.9	116.3	26.0
SMDH 00207b	814199.0	8193505.2	165.2	1	2	15	2132.6	8239.3	980.4	105.4	822.7	530.8	1532.7	971.8	1582.6	1712.8	440.1	489.5	429.9	10.2	117.9	125.1	27.6
SMDH 00207b	814199.0	8193505.2	165.2	2	3	45	1476.9	2910.1	1004.5	135.2	525.6	104.4	301.4	191.1	311.2	336.8	545.4	609.2	531.0	14.3	151.9	146.3	29.1
SMDH 00207b	814199.0	8193505.2	165.2	3	4	95	3131.6	4548.6	2672.2	117.8	549.5	101.4	292.7	185.6	302.2	327.1	821.6	876.9	809.5	12.1	195.8	211.6	27.6
SMDH 00207b	814199.0	8193505.2	165.2	4	5	87	2541.7	4808.2	1956.0	125.3	566.5	181.1	523.1	331.7	540.1	584.5	376.8	435.4	362.6	14.2	112.5	100.9	26.0
SMDH 00207b	814199.0	8193505.2	165.2	5	6	45	2965.8	7016.5	2106.5	172.0	520.2	353.6	1021.2	647.5	1054.4	1141.2	226.0	307.1	205.4	20.6	106.3	66.7	29.1
SMDH 00207b	814199.0	8193505.2	165.2	6	7	50	1259.9	2613.1	822.6	145.1	401.3	104.3	301.2	191.0	311.0	336.6	499.8	566.2	481.4	18.4	137.9	125.2	29.1
SMDH 00208	814141.1	8193501.4	166.0	0	1	55	1530.6	3114.3	934.0	128.9	926.5	94.3	272.3	172.7	281.2	304.3	430.2	492.3	416.2	14.0	124.1	104.2	21.4
SMDH 00208	814141.1	8193501.4	166.0	1	2	60	1371.7	2683.3	966.9	125.2	375.9	101.9	294.2	186.6	303.8	328.8	457.0	516.4	441.2	15.8	132.1	110.9	16.8
SMDH 00208	814141.1	8193501.4	166.0	2	3	95	2778.7	4839.5	2095.8	146.1	944.6	138.6	400.2	253.8	413.2	447.2	532.2	602.6	517.3	14.9	146.7	131.7	27.6
SMDH 00208	814141.1	8193501.4	166.0	3	4	70	2777.5	4950.1	2027.1	166.9	1059.8	142.2	410.7	260.4	424.1	459.0	623.9	703.5	605.7	18.1	173.4	153.4	30.6
SMDH 00208	814141.1	8193501.4	166.0	4	5	90	2417.6	4314.1	1790.3	125.7	897.0	125.9	363.4	230.4	375.2	406.1	475.7	534.9	460.6	15.1	136.0	123.5	21.4
SMDH 00208	814141.1	8193501.4	166.0	5	6	50	2205.3	3606.0	1723.0	101.5	699.9	90.7	261.9	166.0	270.4	292.6	270.0	318.2	259.1	10.9	79.7	64.7	19.9
SMDH 00208	814141.1	8193501.4	166.0	6	7	70	2079.6	3560.4	1548.6	126.3	747.4	95.4	275.5	174.7	284.5	307.9	494.2	553.3	479.5	14.8	132.8	123.2	24.5
SMDH 00208	814141.1	8193501.4	166.0	7	8	85	2607.0	4173.0	2044.1	140.9	769.0	102.2	295.1	187.1	304.7	329.8	507.5	573.8	491.1	16.4	139.5	124.2	26.0
SMDH 00208	814141.1	8193501.4	166.0	8	8.5	45	2173.6	3617.8	1683.4	135.7	583.0	101.9	294.3	186.6	303.9	328.9	431.7	494.3	414.2	17.6	122.0	106.4	24.5
SMDH 00208b	814076.2	8193501.8	166.7	0	1	45	1401.8	2808.9	874.5	98.9	870.0	81.0	233.8	148.2	241.4	261.2	389.2	436.7	379.8	9.4	101.9	94.0	21.4
SMDH 00208b	814076.2	8193501.8	166.7	1	2	55	1247.3	2894.1	751.7	115.2	578.6	121.5	350.7	222.4	362.1	391.9	485.2	540.8	472.1	13.0	126.7	112.0	16.8
SMDH 00208b	814076.2	8193501.8	166.7	2	3	65	2347.8	3985.7	1684.4	217.4	821.0	105.9	305.8	193.9	315.7	341.7	640.8	743.8	611.8	29.1	210.6	163.5	24.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00208b	814076.2	8193501.8	166.7	3	4	70	2284.5	3812.2	1708.2	160.5	765.2	98.8	285.3	180.9	294.6	318.8	500.2	574.3	477.9	22.3	148.4	122.7	23.0
SMDH 00208b	814076.2	8193501.8	166.7	4	5	65	2425.0	4076.5	1878.1	135.5	688.6	115.2	332.7	211.0	343.5	371.8	556.8	619.6	538.4	18.3	154.9	140.3	19.9
SMDH 00208b	814076.2	8193501.8	166.7	5	6	90	2117.2	3771.3	1532.7	114.0	902.3	102.5	295.9	187.6	305.5	330.7	444.4	497.7	430.0	14.4	123.9	112.0	18.4
SMDH 00208b	814076.2	8193501.8	166.7	6	7	90	2150.8	3736.4	1550.2	141.1	895.8	96.4	278.3	176.4	287.3	310.9	486.0	551.1	464.9	21.1	145.5	120.7	15.3
SMDH 00209	814018.8	8193501.8	166.5	0	1	40	3804.2	6326.9	2388.4	260.5	2967.1	59.6	172.1	109.1	177.7	192.3	1521.2	1639.8	1480.1	41.1	405.9	395.6	27.6
SMDH 00209	814018.8	8193501.8	166.5	1	2	55	1842.5	4334.2	889.5	125.4	1791.5	128.1	369.9	234.5	381.9	413.4	388.2	447.6	374.9	13.3	105.6	90.5	26.0
SMDH 00209	814018.8	8193501.8	166.5	2	3	90	1858.8	4263.3	788.9	84.7	2406.6	82.4	238.0	150.9	245.8	266.0	160.1	200.1	151.2	8.9	53.0	39.0	18.4
SMDH 00209	814018.8	8193501.8	166.5	3	4	80	1789.4	3977.8	819.7	66.3	2215.0	73.5	212.3	134.6	219.2	237.2	149.4	181.5	144.1	5.4	40.0	31.7	16.8
SMDH 00209	814018.8	8193501.8	166.5	4	5	60	1396.0	3681.1	549.1	75.3	1688.7	114.7	331.2	210.0	342.0	370.1	218.2	254.4	213.9	4.3	51.2	52.5	26.0
SMDH 00209	814018.8	8193501.8	166.5	5	6	80	1821.1	3928.7	1141.8	128.8	971.6	141.4	408.3	258.9	421.6	456.3	536.0	594.4	518.7	17.3	133.7	128.6	24.5
SMDH 00209	814018.8	8193501.8	166.5	6	7	98	3071.2	6313.7	1707.0	173.9	2743.1	141.7	409.1	259.4	422.4	457.2	744.5	821.8	716.7	27.8	204.7	189.9	24.5
SMDH 00209	814018.8	8193501.8	166.5	7	8	95	2865.6	5902.5	1616.8	163.0	2463.3	139.1	401.7	254.7	414.8	448.9	583.6	658.4	562.1	21.5	161.0	146.1	29.1
SMDH 00209	814018.8	8193501.8	166.5	8	9	95	2609.1	5179.8	1626.1	143.7	1794.9	135.4	391.0	247.9	403.7	437.0	669.4	734.6	648.7	20.7	182.7	175.0	23.0
SMDH 00209	814018.8	8193501.8	166.5	9	10	92	3206.2	7143.7	1917.0	150.9	2214.6	239.9	692.7	439.2	715.2	774.1	927.2	997.3	908.5	18.7	244.0	248.8	27.6
SMDH 00209	814018.8	8193501.8	166.5	10	11	88	2125.1	4692.9	1161.8	174.6	1612.7	146.2	422.2	267.7	435.9	471.8	463.2	543.2	438.1	25.1	146.8	114.5	24.5
SMDH 00209	814018.8	8193501.8	166.5	11	12	90	1677.3	3734.5	954.7	163.2	1028.6	133.1	384.5	243.8	397.0	429.6	448.1	521.5	422.9	25.2	137.5	108.3	23.0
SMDH 00209	814018.8	8193501.8	166.5	12	13	95	1888.2	4445.8	1186.9	157.2	728.8	198.9	574.5	364.3	593.2	642.0	620.3	692.0	597.9	22.4	168.9	155.2	24.5
SMDH 00209	814018.8	8193501.8	166.5	13	14	50	2978.9	5115.3	2338.8	137.1	785.2	155.5	448.9	284.6	463.5	501.7	563.8	630.4	549.6	14.2	151.3	135.8	23.0
SMDH 00209	814018.8	8193501.8	166.5	14	15	90	2481.9	4944.7	1733.4	160.9	933.3	177.5	512.6	325.0	529.3	572.8	624.7	702.0	607.3	17.4	162.0	144.1	27.6
SMDH 00209	814018.8	8193501.8	166.5	15	16	95	2524.0	5206.4	1519.2	168.7	1729.1	150.0	433.3	274.7	447.3	484.2	597.0	675.5	574.8	22.2	175.8	153.1	26.0
SMDH 00209	814018.8	8193501.8	166.5	16	17	90	1853.9	3385.7	1478.6	130.3	142.2	137.0	395.7	250.9	408.6	442.2	494.9	559.8	484.6	10.3	133.6	120.9	26.0
SMDH 00209	814018.8	8193501.8	166.5	17	17.5	80	1826.4	3626.3	1423.4	115.9	164.3	161.2	465.5	295.1	480.6	520.2	284.9	342.2	276.9	7.9	80.2	65.5	29.1
SMDH 00209b	813958.0	8193508.8	165.1	0	1	70	1248.3	2438.4	892.2	155.2	148.8	104.1	300.7	190.7	310.5	336.1	505.5	578.4	487.0	18.5	142.8	123.4	27.6
SMDH 00209b	813958.0	8193508.8	165.1	1	2	40	1732.6	2957.2	1403.7	140.0	88.4	111.1	320.8	203.4	331.2	358.5	395.8	460.6	377.8	18.0	118.6	96.1	24.5
SMDH 00209b	813958.0	8193508.8	165.1	2	3	85	1879.2	3167.5	1441.4	135.3	470.3	93.9	271.3	172.0	280.1	303.2	318.1	382.1	301.7	16.4	108.9	81.9	21.4
SMDH 00209b	813958.0	8193508.8	165.1	3	4	50	2319.5	3527.9	1884.1	140.4	481.9	85.6	247.3	156.8	255.3	276.4	440.4	505.3	420.9	19.5	133.5	110.9	19.9
SMDH 00209b	813958.0	8193508.8	165.1	4	5	60	1998.9	3716.9	1455.4	120.8	697.4	121.0	349.4	221.6	360.8	390.5	546.6	604.2	534.0	12.6	146.1	142.3	24.5
SMDH 00209b	813958.0	8193508.8	165.1	5	6	65	2155.1	3903.0	1590.0	129.2	730.7	121.8	351.8	223.1	363.3	393.2	617.7	678.6	603.0	14.8	158.3	154.7	24.5
SMDH 00209b	813958.0	8193508.8	165.1	6	7	80	2189.4	4044.8	1571.6	183.9	671.4	135.7	391.7	248.4	404.5	437.8	652.9	736.6	624.5	28.5	192.9	166.1	21.4
SMDH 00209b	813958.0	8193508.8	165.1	7	8	90	2591.0	4348.8	2011.9	131.3	768.8	120.5	347.8	220.5	359.1	388.7	610.9	672.0	594.4	16.5	159.2	153.7	23.0
SMDH 00209b	813958.0	8193508.8	165.1	8	9	95	2074.5	3636.0	1597.3	76.6	693.6	106.4	307.1	194.7	317.1	343.2	268.6	304.8	262.0	6.5	68.9	67.4	21.4
SMDH 00209b	813958.0	8193508.8	165.1	9	10	80	1965.7	3759.3	1450.5	91.1	665.8	130.1	375.7	238.2	388.0	419.9	305.5	348.3	295.3	10.2	85.4	75.9	18.4
SMDH 00209b	813958.0	8193508.8	165.1	10	11	90	2159.7	4033.2	1591.9	90.0	821.4	128.3	370.4	234.8	382.4	413.9	235.8	280.6	229.6	6.2	67.9	56.0	21.4
SMDH 00209b	813958.0	8193508.8	165.1	11	11.5	20	1889.3	3511.3	1272.9	143.9	925.4	98.0	283.1	179.5	292.3	316.3	460.3	530.0	445.4	14.9	129.9	109.3	24.5
SMDH 00210	813895.8	8193503.3	164.5	0	1	10	1346.0	2875.3	865.3	121.0	560.7	111.4	321.6	203.9	332.1	359.4	465.1	524.9	454.2	10.9	133.7	119.2	21.4
SMDH 00210	813895.8	8193503.3	164.5	1	2	40	1790.0	3183.9	1285.7	154.4	590.9	96.7	279.1	177.0	288.2	311.9	285.4	363.2	271.9	13.4	112.7	71.8	23.0
SMDH 00210	813895.8	8193503.3	164.5	2	3	98	2054.8	3649.1	1383.4	186.1	985.1	91.8	265.0	168.0	273.6	296.1	574.3	665.0	553.9	20.5	144.1	96.5	26.0
SMDH 00210	813895.8	8193503.3	164.5	3	4	70	2167.1	3894.9	1539.7	197.5	718.7	120.6	348.4	220.9	359.7	389.3	404.6	499.9	380.9	23.7	150.9	98.9	24.5
SMDH 00210	813895.8	8193503.3	164.5	4	5	48	2293.4	3720.2	1731.0	185.4	673.7	94.8	273.6	173.5	282.5	305.8	332.3	422.9	311.9	20.4	128.6	78.3	24.5
SMDH 00210	813895.8	8193503.3	164.5	5	6	90	1434.5	2787.7	859.4	186.7	750.9	83.1	239.9	152.1	247.7	268.0	162.2	250.6	138.3	23.9	95.4	37.7	24.5
SMDH 00210	813895.8	8193503.3	164.5	6	7	80	1488.2	3190.3	846.3	186.3	824.7	111.8	322.7	204.6	333.2	360.6	156.3	240.8	126.6	29.7	90.7	30.7	19.9
SMDH 00210	813895.8	8193503.3	164.5	7	8	90	3043.7	4740.7	2432.3	125.5	937.5	104.4	301.5	191.2	311.3	337.0	457.4	514.7	441.1	16.3	125.5	116.4	24.5
SMDH 00210	813895.8	8193503.3	164.5	8	9	95	1803.3	3343.5	1314.2	115.7	605.1	109.7	316.8	200.9	327.1	354.0	520.4	573.9	505.8	14.6	136.0	130.9	21.4
SMDH 00210	813895.8	8193503.3	164.5	9	10	95	2816.1	4611.1	2202.4	130.9	878.1	117.4	338.9	214.9	349.9	378.7	497.8	557.9	480.0	17.8	140.0	125.0	21.4
SMDH 00210	813895.8	8193503.3	164.5	10	11	80	2329.7	3997.1	1800.9	91.6	775.0	111.5	321.9	204.1	332.4	359.7	480.8	524.0	471.2	9.6	111.3	113.2	19.9
SMDH 00210b	813840.2	8193509.1	165.8	0	1	85	2110.9	3786.5	1466.4	114.7	1107.4	92.1	265.9	168.6	274.5	297.1	580.2	633.1	566.1	14.1	144.3	143.6	23.0
SMDH 00210b	813840.2	8193509.1	165.8	1	2	55	2152.4	3950.5	1499.4	145.9	965.0	112.4	324.5	205.7	335.0	362.6	868.0	935.4	847.0	21.0	257.8	260.1	18.4
SMDH 00210b	813840.2	8193509.1	165.8	2	3	45	2854.1	4498.3	2277.1	130.6	819.8	106.6	307.7	195.1	317.7	343.8	400.6	463.3	386.5	14.1	121.7	101.9	23.0
SMDH 00210b	813840.2	8193509.1	165.8	3	4	85	2445.2	4453.8	1659.3	114.8	1458.4	102.4	295.7	187.5	305.3	330.4	419.0	475.5	409.6	9.4	111.4	100.6	24.5
SMDH 00210b	813840.2	8193509.1	165.8	4	5	90	2879.0	4320.9	2328.6	108.0	903.9	82.2	237.4	150.5	245.1	265.3	397.7	453.0	391.3	6.4	105.2	93.6	23.0
SMDH 00210b	813840.2	8193509.1	165.8	5	6	80	2868.4	4968.2	2095.1	133.3	1300.9	120.6	348.4	220.9	359.7	389.3	510.1	575.4	498.1	12.0	139.1	124.6	26.0
SMDH 00210b	813840.2	8193509.1	165.8	6	7	50	2169.8	4014.3	1529.4	123.4	978.4	116.0	334.9	212.3	345.8	374.2	429.3	489.4	418.3	11.0	116.6	103.6	26.0
SMDH 00210b	813840.2	8193509.1	165.8	7	8	95	2265.4	4463.2	1493.7	152.9	1176.1	137.5	397.2	251.8	410.1	443.8	649.0	720.8	629.1	19.9	167.0	146.2	21.4
SMDH 00210b	813840.2	8193509.1	165.8	8	9	95	2133.4	4533.8	1326.8	139.5	1252.2	152.2	439.5	278.7	453.8	491.1	526.3	591.2	508.3	18.0	145.8	129.8	23.0
SMDH 00210b	813840.2	8193509.1	165.8	9	10	80	2746.0	4424.9	2246.2	97.5	642.5	120.6	348.3	220.9	359.6	389.2	1101.1	1145.5	1087.2	13.9	260.0	279.9	15.3
SMDH 00210b	813840.2	8193509.1	165.8	10	11	90	1659.6	3582.3	1095.6	82.7	810.0	133.6	385.9	244.7	398.5	431.2	460.0	498.7	451.0	9.1	110.9	114.1	18.4
SMDH 00210b	813840.2	8193509.1	165.8	11	12	95	1996.3	3972.1	1362.9	106.6	949.6	130.2	376.0	238.4	388.2	420.2	470.0	520.1	458.9	11.1	127.7	125.8	24.5
SMDH 00210b	813840.2	8193509.1	165.8	12	13	95	1846.1	3523.8	1301.7	110.2	758.8	113.4	327.6	207.7	338.3	366.1	513.0	565.4	502.0	11.0	129.7	127.0	24.5
SMDH 00210b	813840.2	8193509.1	165.8	13	14	95	1892.7	3581.1	1333.7	110.3	806.1	111.6	322.2	204.3	332.7	360.1	415.9	467.4	402.4	13.5	115.8	105.5	19.9
SMDH 00211	813774.2	8193503.9	167.1	0	1	20	1555.1	2758.9	1013.3	157.3	809.3	65.3	188.6	119.6	194.7	210.8	602.8	676.9	583.3	19.5	167.3	147.2	24.5
SMDH 00211	813774.2	8193503.9	167.1	1	2	50	1174.7	2668.9	675.0	125.9	628.9	103.9	300.0	190.2	309.8	335.3	330.3	390.3	316.0	14.3	99.7	76.5	21.4
SMDH 00211	813774.2	8193503.9	167.1	2	3	70	1382.8	3074.1	819.4	169.7	605.0	124.1	358.3	227.2	370.0	400.4	393.6	474.3	372.0	21.6	139.1	97.4	21.4
SMDH 00211	813774.2	8193503.9	167.1	3	4	50	1271.2	2898.8	739.7	129.2	667.1	114.3	329.9	209.2	340.6	368.7	169.3	230.8	155.7	13.6	64.5	36.1	26.0
SMDH 00211	813774.2	8193503.9	167.1	4	5	90	1143.2	2459.8	709.2	124.7	480.8	96.0	277.2	175.8	286.2	309.8	189.2	248.4	174.8	14.4	64.7	32.2	21.4
SMDH 00211	813774.2	8193503.9	167.1	5	6	90	2067.5	3345.5	1621.1	150.3	451.8	94.1	271.7	172.3	280.5	303.6	584.5	653.8	563.9	20.6	139.3	108.7	23.0
SMDH 00211	813774.2	8193503.9	167.1	6	7	95	1626.5	2959.5	1091.1	177.8	649.0	87.3	252.2	159.9	260.4	281.8	145.1	226.9	121.5	23.6	73.4	24.8	30.6
SMDH 00211	813774.2	8193503.9	167.1	7	8	85	1610.2	3068.5	1042.2	170.2	733.9	94.1	271.7	172.3	280.5	303.6	120.7	198.8	96.5	24.2	72.8	21.8	24.5
SMDH 00211	813774.2	8193503.9	167.1	8	9	95	1875.8	3429.4	1336.1	118.7	771.5	100.9	291.3	184.7	300.8	325.5	312.7	368.8	300.8	11.9	76.1	58.2	27.6
SMDH 00211	813774.2	8193503.9	167.1	9	10	95	1587.4	3283.0	1069.9	111.6	646.9	122.0	352.2	223.3	363.6	393.5	374.0	425.7	361.6	12.4	80.6	68.8	26.0
SMDH 00211	813774.2	8193503.9	167.1	10	11	80	1487.5	2897.4	1042.2	84.6	622.3	96.3	278.0	176.3	287.1	310.7	227.8	268.4	221.0	6.8	50.6	40.1	23.0
SMDH 00211b	813718.8	8193504.9	167.5	0	1	75	1180.9	3032.6	648.7	98.9	671.0	135.3	390.8	247.8	403.5	436.7	344.6	390.5	332.8	11.8	83.3	68.7	19.9

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00211b	813718.8	8193504.9	167.5	1	2	50	1605.6	3189.3	1065.0	143.5	670.0	109.9	317.4	201.2	327.7	354.6	481.3	550.3	466.2	15.1	119.2	94.4	26.0
SMDH 00211b	813718.8	8193504.9	167.5	2	3	70	1403.7	2932.5	871.2	123.7	739.4	100.5	290.1	183.9	299.5	324.2	313.9	373.3	303.1	10.8	82.4	65.0	30.6
SMDH 00211b	813718.8	8193504.9	167.5	3	4	75	1846.3	3653.9	1285.3	98.7	797.9	123.4	356.4	226.0	368.0	398.3	366.7	415.1	359.4	7.3	83.1	73.3	24.5
SMDH 00211b	813718.8	8193504.9	167.5	4	5	65	2387.6	4064.4	1845.0	129.6	682.2	118.0	340.8	216.1	351.9	380.8	395.8	458.0	381.3	14.5	104.3	77.8	21.4
SMDH 00211b	813718.8	8193504.9	167.5	5	6	95	1709.1	3246.7	1224.6	107.4	619.7	108.6	313.5	198.8	323.7	350.4	376.8	427.7	365.2	11.6	94.2	78.4	21.4
SMDH 00211b	813718.8	8193504.9	167.5	6	7	90	1522.8	3108.4	1003.5	101.5	744.1	105.6	304.9	193.3	314.8	340.7	336.0	385.1	327.4	8.6	77.5	64.8	24.5
SMDH 00211b	813718.8	8193504.9	167.5	7	8	90	1408.8	2863.2	917.0	105.4	694.2	96.1	277.6	176.0	286.6	310.2	309.6	360.3	300.1	9.5	78.7	63.7	24.5
SMDH 00211b	813718.8	8193504.9	167.5	8	9	98	1761.6	3166.9	1301.6	124.5	533.0	101.3	292.4	185.4	301.9	326.8	334.4	394.3	323.7	10.8	85.8	69.2	30.6
SMDH 00211b	813718.8	8193504.9	167.5	9	10	96	1703.0	3102.6	1177.6	153.7	667.7	92.5	267.2	169.4	275.9	298.6	492.3	559.6	466.9	25.4	140.5	122.2	23.0
SMDH 00211b	813718.8	8193504.9	167.5	10	11	70	1659.9	3062.9	1113.9	135.6	806.5	84.4	243.8	154.6	251.7	272.4	479.4	540.5	461.6	17.8	121.8	112.7	29.1
SMDH 00211b	813718.8	8193504.9	167.5	11	12	85	1969.9	3407.7	1524.9	126.3	456.3	109.0	314.8	199.6	325.0	351.8	493.0	548.6	471.9	21.1	139.2	125.5	16.8
SMDH 00211b	813718.8	8193504.9	167.5	12	13	95	2005.0	3863.8	1378.1	174.2	737.7	131.9	381.0	241.6	393.4	425.8	621.3	699.2	594.3	27.0	171.3	149.7	26.0
SMDH 00211b	813718.8	8193504.9	167.5	13	14	95	1924.6	3803.0	1302.5	168.3	732.0	134.2	387.4	245.6	400.0	432.9	640.3	716.8	615.5	24.8	181.7	162.6	24.5
SMDH 00211b	813718.8	8193504.9	167.5	14	15	96	2168.5	4408.8	1403.5	181.5	1026.6	150.7	435.1	275.9	449.2	486.2	689.5	769.5	660.2	29.3	195.2	178.8	27.6
SMDH 00211b	813718.8	8193504.9	167.5	15	16	95	2065.6	3981.0	1423.7	149.6	854.0	130.3	376.1	238.5	388.4	420.3	694.1	760.2	671.1	23.0	174.9	169.7	26.0
SMDH 00211b	813718.8	8193504.9	167.5	16	17	90	1537.6	2936.7	1056.6	101.3	696.6	90.7	262.0	166.1	270.5	292.8	438.8	487.5	430.4	8.4	107.4	107.8	26.0
SMDH 00211b	813718.8	8193504.9	167.5	17	17.5	85	1633.6	3064.5	1114.0	107.7	798.6	87.6	252.8	160.3	261.0	282.5	478.9	529.8	468.0	10.9	116.1	116.0	24.5
SMDH 00212	813660.1	8193504.0	167.5	0	1	65	2157.4	3957.3	1424.9	229.2	950.4	113.4	327.5	207.7	338.2	366.0	827.5	928.4	786.9	40.6	241.1	207.9	23.0
SMDH 00212	813660.1	8193504.0	167.5	1	2	75	1832.7	3586.7	1214.0	162.4	802.1	118.1	341.0	216.2	352.0	381.0	536.6	610.9	514.5	22.1	152.2	135.0	27.6
SMDH 00212	813660.1	8193504.0	167.5	2	3	70	1900.0	3733.4	1294.5	149.0	763.7	128.0	369.5	234.3	381.5	412.9	606.2	672.9	583.9	22.3	173.1	164.6	24.5
SMDH 00212	813660.1	8193504.0	167.5	3	4	75	1982.9	3730.2	1383.5	146.8	791.6	118.1	341.0	216.2	352.0	381.0	621.0	688.5	602.2	18.9	160.9	156.9	27.6
SMDH 00212	813660.1	8193504.0	167.5	4	5	90	1923.5	3817.8	1318.3	151.2	725.0	136.1	393.0	249.2	405.8	439.2	605.8	672.4	581.4	24.5	165.1	156.6	23.0
SMDH 00212	813660.1	8193504.0	167.5	5	6	90	2127.0	4088.7	1396.3	232.1	854.1	134.7	388.9	246.6	401.5	434.6	530.2	647.7	508.6	21.6	197.5	133.7	27.6
SMDH 00212	813660.1	8193504.0	167.5	6	7	95	1955.8	3653.5	1261.6	244.7	804.6	112.6	325.0	206.1	335.6	363.2	460.9	584.5	439.1	21.7	182.6	116.9	33.7
SMDH 00212	813660.1	8193504.0	167.5	7	8	98	2060.8	4044.8	1244.3	323.1	824.3	138.6	400.2	253.8	413.2	447.2	546.9	697.1	502.2	44.7	220.6	138.4	42.9
SMDH 00212	813660.1	8193504.0	167.5	8	9	98	2248.1	4011.3	1384.9	365.8	946.8	110.2	318.1	201.7	328.4	355.5	545.8	715.8	493.9	51.9	239.5	138.2	44.4
SMDH 00212b	813598.9	8193511.3	167.2	0	1	40	1844.2	3859.0	1110.5	147.6	1146.4	122.0	352.2	223.3	363.6	393.5	600.8	668.9	580.3	20.5	165.5	147.6	21.4
SMDH 00212b	813598.9	8193511.3	167.2	1	2	60	4628.2	5903.2	4179.1	149.3	466.8	92.9	268.3	170.1	277.0	299.8	398.8	469.1	379.3	19.5	135.4	104.5	19.9
SMDH 00212b	813598.9	8193511.3	167.2	2	3	65	2442.1	4064.6	1883.6	165.1	637.3	115.6	333.8	211.6	344.6	373.0	497.3	573.8	474.5	22.8	155.2	125.2	23.0
SMDH 00212b	813598.9	8193511.3	167.2	3	4	65	3107.4	4935.5	2486.1	176.4	724.7	129.8	374.9	237.7	387.1	418.9	509.7	591.8	485.3	24.5	163.4	128.9	23.0
SMDH 00212b	813598.9	8193511.3	167.2	4	5	80	2773.5	4689.2	2203.8	130.8	659.6	142.1	410.4	260.2	423.7	458.6	443.0	503.8	426.0	17.0	127.7	109.7	21.4
SMDH 00212b	813598.9	8193511.3	167.2	5	6	50	3291.8	6314.8	2455.2	162.8	973.1	228.4	659.4	418.1	680.9	736.9	545.4	621.3	526.7	18.7	149.7	133.4	33.7
SMDH 00212b	813598.9	8193511.3	167.2	6	7	70	2303.0	4282.1	1723.7	107.6	747.8	142.8	412.3	261.4	425.7	460.7	525.4	575.4	512.6	12.7	132.6	129.2	21.4
SMDH 00212b	813598.9	8193511.3	167.2	7	8	85	1867.9	3424.0	1391.6	83.2	669.2	107.3	309.9	196.5	320.0	346.3	511.9	550.4	502.4	9.5	121.1	126.4	18.4
SMDH 00213	813538.2	8193501.6	166.1	0	1	30	1959.6	3487.2	1293.3	151.6	1125.0	76.9	222.1	140.8	229.3	248.2	753.6	823.7	733.0	20.6	198.7	190.3	23.0
SMDH 00213	813538.2	8193501.6	166.1	1	2	30	1836.2	3796.6	1243.4	137.7	696.7	144.1	416.1	263.9	429.7	465.0	426.4	490.7	409.1	17.3	126.8	106.3	23.0
SMDH 00213	813538.2	8193501.6	166.1	2	3	40	1289.9	2522.8	833.2	129.6	586.9	81.6	235.6	149.4	243.3	263.3	354.2	414.8	338.4	15.8	109.2	88.5	23.0
SMDH 00213	813538.2	8193501.6	166.1	3	4	45	1646.4	2735.5	1245.2	110.0	526.7	71.6	206.7	131.0	213.4	231.0	388.9	439.9	374.7	14.2	111.0	97.3	18.4
SMDH 00213	813538.2	8193501.6	166.1	4	5	40	1501.5	2547.7	1116.2	92.6	552.7	65.9	190.4	120.7	196.5	212.7	330.2	373.4	318.9	11.3	90.4	79.9	16.8
SMDH 00213	813538.2	8193501.6	166.1	5	6	70	1864.1	2992.1	1454.1	94.5	596.2	71.0	205.1	130.1	211.8	229.3	399.3	443.1	387.4	11.9	105.5	98.2	16.8
SMDH 00213	813538.2	8193501.6	166.1	6	7	75	1885.4	3537.0	1313.8	120.0	835.0	106.3	307.0	194.7	317.0	343.1	494.2	549.8	479.1	15.1	131.3	121.5	21.4
SMDH 00213	813538.2	8193501.6	166.1	7	8	60	1610.1	2933.8	1138.6	136.3	572.1	91.1	263.1	166.8	271.7	294.1	458.4	519.8	437.8	20.7	138.7	118.6	19.9
SMDH 00213	813538.2	8193501.6	166.1	8	9	40	1459.6	2769.4	1012.8	107.7	592.7	88.5	255.7	162.1	264.0	285.7	463.1	511.5	447.9	15.2	126.7	120.1	19.9
SMDH 00213	813538.2	8193501.6	166.1	9	10	70	1527.0	2919.7	1054.8	100.4	671.3	91.6	264.7	167.8	273.3	295.7	450.3	495.1	435.7	14.7	122.4	117.4	18.4
SMDH 00213b	813473.5	8193501.7	164.5	0	1	50	1508.1	2850.6	903.1	185.3	869.9	74.8	216.0	137.0	223.1	241.4	556.5	643.0	534.4	22.1	163.9	139.1	35.2
SMDH 00213b	813473.5	8193501.7	164.5	1	2	45	1673.8	3174.4	1093.6	164.8	777.1	95.5	275.8	174.9	284.7	308.2	578.8	652.9	553.4	25.5	176.2	153.2	23.0
SMDH 00213b	813473.5	8193501.7	164.5	2	3	80	1695.3	2955.5	1150.9	183.4	696.9	77.5	223.8	141.9	231.1	250.1	612.8	695.3	583.8	29.0	187.7	157.4	23.0
SMDH 00213b	813473.5	8193501.7	164.5	3	4	40	1553.4	3214.4	958.0	185.9	677.1	116.8	337.4	213.9	348.3	377.0	489.1	576.2	463.7	25.4	159.2	119.0	23.0
SMDH 00213b	813473.5	8193501.7	164.5	4	5	35	1642.0	3395.5	1021.0	175.3	763.4	120.4	347.6	220.4	358.9	388.4	504.1	588.0	484.0	20.1	158.3	126.7	27.6
SMDH 00213b	813473.5	8193501.7	164.5	5	6	50	2159.4	3850.5	1541.8	214.2	640.2	121.9	352.1	223.2	363.5	393.4	885.5	986.4	855.8	29.7	253.9	223.1	23.0
SMDH 00213b	813473.5	8193501.7	164.5	6	7	65	1528.3	3262.3	909.1	173.8	771.8	118.0	340.8	216.1	351.9	380.8	432.5	516.8	413.5	19.0	143.1	106.0	26.0
SMDH 00213b	813473.5	8193501.7	164.5	7	8	55	1805.1	4202.8	1056.4	153.4	992.7	167.7	484.3	307.1	500.0	541.2	505.2	578.6	488.6	16.6	143.9	122.2	27.6
SMDH 00213b	813473.5	8193501.7	164.5	8	9	55	2573.6	4533.3	1921.1	161.9	826.3	136.2	393.2	249.3	406.0	439.4	1164.2	1238.6	1141.2	23.0	331.0	358.0	23.0
SMDH 00213b	813473.5	8193501.7	164.5	9	10	55	1552.4	2891.5	1077.4	147.3	537.0	94.7	273.5	173.4	282.4	305.7	539.9	607.2	517.8	22.1	157.2	135.4	18.4
SMDH 00213b	813473.5	8193501.7	164.5	10	11	20	1684.0	2862.4	1166.4	135.1	815.0	62.5	180.6	114.5	186.5	201.8	451.2	514.8	435.0	16.2	136.3	117.3	23.0
SMDH 00213b	813473.5	8193501.7	164.5	11	12	60	1425.0	3008.2	854.4	127.5	837.0	99.7	287.9	182.6	297.3	321.8	361.3	420.5	345.3	16.0	101.6	82.8	23.0
SMDH 00213b	813473.5	8193501.7	164.5	12	13	75	1743.7	3799.7	1145.6	162.3	580.1	160.3	462.8	293.5	477.9	517.2	519.0	594.7	497.7	21.3	152.5	127.4	24.5
SMDH 00214	813412.8	8193504.4	163.0	0	1	40	1637.8	3007.7	1137.3	147.5	613.9	93.0	268.5	170.2	277.2	300.0	612.6	680.5	590.6	22.0	167.3	147.0	16.8
SMDH 00214	813412.8	8193504.4	163.0	1	2	45	1586.4	3269.8	1074.2	116.5	616.3	122.6	354.2	224.6	365.7	395.8	495.0	549.1	479.6	15.3	127.3	116.4	18.4
SMDH 00214	813412.8	8193504.4	163.0	2	3	50	1521.1	2939.7	1050.5	137.6	517.8	103.4	298.7	189.4	308.4	333.8	485.9	549.4	467.2	18.6	136.6	118.6	21.4
SMDH 00214	813412.8	8193504.4	163.0	3	4	70	1509.3	2966.4	1021.2	148.0	524.7	106.7	308.1	195.3	318.1	344.3	457.4	525.5	436.6	20.8	129.2	105.2	21.4
SMDH 00214	813412.8	8193504.4	163.0	4	5	45	1494.7	3021.5	971.4	166.3	551.8	111.7	322.5	204.5	333.0	360.4	424.5	501.3	401.6	22.9	137.2	105.3	24.5
SMDH 00214	813412.8	8193504.4	163.0	5	6	60	1571.9	3280.7	1002.7	146.6	701.7	119.9	346.2	219.5	357.4	386.8	453.1	522.2	435.5	17.7	127.9	107.2	24.5
SMDH 00214	813412.8	8193504.4	163.0	6	7	60	1401.1	2851.6	898.8	153.6	559.2	104.0	300.2	190.4	310.0	335.5	410.4	481.0	388.5	21.9	127.8	98.9	21.4
SMDH 00214	813412.8	8193504.4	163.0	7	8	75	1428.9	2868.7	919.6	155.7	582.4	101.5	293.2	185.9	302.7	327.7	423.9	496.8	403.2	20.7	135.4	105.0	21.4
SMDH 00214b	813356.9	8193507.2	162.4	0	1	50	1360.4	2636.2	834.5	156.3	720.4	77.6	223.9	142.0	231.2	250.3	421.0	497.7	404.8	16.2	135.8	101.1	23.0
SMDH 00214b	813356.9	8193507.2	162.4	1	2	45	1982.6	3724.0	1360.0	156.0	845.2	114.3	329.9	209.2	340.6	368.7	750.4	823.9	730.2	20.2	197.8	183.3	21.4
SMDH 00214b	813356.9	8193507.2	162.4	2	3	45	2101.3	3664.3	1553.2	154.7	666.7	108.1	312.2	198.0	322.4	348.9	801.1	872.4	779.7	21.4	207.0	199.8	23.0
SMDH 00214b	813356.9	8193507.2	162.4	3	4	60	1519.9	2609.0	1079.5	165.2	468.4	75.1	216.9	137.5	224.0	242.4	525.4	599.3	497.2	28.2	161.3	128.0	15.3
SMDH 00214b	813356.9	8193507.2	162.4	4	5	85	1534.1	3302.0	964.9	170.8	584.6	132.6	382.9	242.8	395.4	427.9	444.8	523.8	419.9	24.8	144.5	107.7	19.9
SMDH 00214b	813356.9	8193507.2	162.4	5	6	70	1679.8	3642.6	1034.4	216.8	599.3	150.3	433.9	275.1	448.0	484.9	530.5	620.3	486.5	44.0	177.4	137.9	26.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00214b	813356.9	8193507.2	162.4	6	7	90	1473.1	3251.2	876.0	224.3	486.6	139.5	402.9	255.5	416.0	450.3	429.4	523.4	383.6	45.7	171.2	118.0	21.4
SMDH 00214b	813356.9	8193507.2	162.4	7	8	98	1387.7	3091.2	836.2	162.9	580.8	126.7	365.9	232.0	377.8	408.9	393.0	461.4	361.2	31.8	128.8	100.0	19.9
SMDH 00215	813296.9	8193499.8	162.8	0	1	40	1273.0	2580.3	862.7	93.5	513.1	93.1	269.0	170.5	277.7	300.6	403.4	444.1	390.3	13.2	93.9	95.2	23.0
SMDH 00215	813296.9	8193499.8	162.8	1	2	45	1544.4	2803.0	1153.1	90.9	477.1	90.7	261.9	166.1	270.5	292.7	642.4	678.7	624.0	18.4	152.3	166.5	16.8
SMDH 00215	813296.9	8193499.8	162.8	2	3	45	694.9	1497.0	467.2	59.9	218.4	63.0	182.0	115.4	187.9	203.3	164.7	191.7	158.0	6.7	36.1	31.9	16.8
SMDH 00215	813296.9	8193499.8	162.8	3	4	75	1184.7	2578.2	800.7	93.6	375.2	109.7	316.9	200.9	327.2	354.1	319.7	359.7	304.7	14.9	84.5	79.7	19.9
SMDH 00215	813296.9	8193499.8	162.8	4	5	90	1468.6	3094.0	991.1	115.9	520.5	122.9	355.0	225.1	366.6	396.7	436.8	492.1	424.2	12.6	116.8	105.1	21.4
SMDH 00215	813296.9	8193499.8	162.8	5	6	75	1220.6	2548.3	821.1	118.1	374.6	103.5	298.9	189.5	308.6	334.0	351.4	408.7	340.1	11.3	104.7	88.1	23.0
SMDH 00215	813296.9	8193499.8	162.8	6	7	90	1438.7	3150.5	923.8	150.0	490.0	133.0	384.1	243.6	396.6	429.3	452.0	523.7	433.6	18.4	138.7	110.8	19.9
SMDH 00215	813296.9	8193499.8	162.8	7	8	85	1145.3	2742.6	697.8	103.2	471.2	123.3	356.0	225.7	367.6	397.8	274.8	326.3	266.5	8.3	80.4	61.7	19.9
SMDH 00215b	813235.3	8193500.4	162.8	0	1	45	1498.7	2678.5	1018.7	140.5	657.8	72.2	208.6	132.3	215.4	233.1	542.8	611.6	527.4	15.4	159.5	136.0	18.4
SMDH 00215b	813235.3	8193500.4	162.8	1	2	40	1439.4	2753.7	979.0	120.5	593.8	88.9	256.7	162.8	265.1	286.9	435.2	494.7	423.8	11.4	122.1	104.4	19.9
SMDH 00215b	813235.3	8193500.4	162.8	2	3	50	1310.7	2485.2	930.7	79.8	517.7	80.2	231.7	146.9	239.2	258.9	337.1	377.3	331.5	5.6	83.9	77.2	16.8
SMDH 00215b	813235.3	8193500.4	162.8	3	4	50	791.6	1707.6	472.1	53.5	519.7	55.5	160.4	101.7	165.6	179.2	65.3	91.2	63.3	2.0	12.3	10.2	21.4
SMDH 00215b	813235.3	8193500.4	162.8	4	5	60	1967.4	2882.1	1690.0	64.7	326.2	67.2	194.0	123.0	200.3	216.7	952.8	982.8	946.2	6.6	192.3	220.6	16.8
SMDH 00215b	813235.3	8193500.4	162.8	5	6	45	1030.8	1504.6	750.2	82.6	488.5	15.4	44.4	28.1	45.8	49.6	481.2	519.7	471.2	10.0	136.5	137.6	15.3
SMDH 00215b	813235.3	8193500.4	162.8	6	7	90	1094.1	2290.0	699.8	70.0	594.9	77.6	224.0	142.0	231.3	250.3	298.0	331.2	291.7	6.2	93.5	98.2	18.4
SMDH 00215b	813235.3	8193500.4	162.8	7	8	85	1116.2	2172.7	762.9	85.2	458.4	72.6	209.7	133.0	216.5	234.3	402.8	442.9	393.2	9.7	127.8	132.3	16.8
SMDH 00216	813177.8	8193504.4	162.9	0	1	30	1055.2	1869.0	668.4	97.7	653.6	37.7	108.8	69.0	112.3	121.6	321.0	366.9	311.5	9.6	106.4	108.4	24.5
SMDH 00216	813177.8	8193504.4	162.9	1	2	45	1468.4	2250.0	1084.5	105.1	631.6	36.0	103.8	65.8	107.2	116.0	597.6	646.1	584.3	13.4	196.7	210.2	19.9
SMDH 00216	813177.8	8193504.4	162.9	2	3	40	1758.1	2323.3	1453.5	117.8	403.2	29.2	84.5	53.6	87.2	94.4	848.6	902.7	831.5	17.1	267.0	287.7	15.3
SMDH 00216	813177.8	8193504.4	162.9	3	4	75	1232.6	2431.7	862.9	103.1	383.5	90.7	262.0	166.1	270.5	292.8	448.5	497.3	436.2	12.3	130.3	128.9	16.8
SMDH 00216	813177.8	8193504.4	162.9	4	5	40	2046.5	2931.3	1644.1	112.6	621.3	46.4	134.0	84.9	138.3	149.7	289.8	343.1	280.8	8.9	77.9	72.2	33.7
SMDH 00216	813177.8	8193504.4	162.9	5	6	85	1198.1	2374.7	783.5	94.6	588.4	76.1	219.9	139.4	227.0	245.7	320.4	363.8	308.8	11.7	87.5	79.3	19.9
SMDH 00216	813177.8	8193504.4	162.9	6	7	50	1146.4	2539.4	688.0	76.9	706.5	89.5	258.6	164.0	267.0	289.0	260.3	296.2	253.1	7.2	67.0	64.7	21.4
SMDH 00216	813177.8	8193504.4	162.9	7	8	95	1049.4	2106.6	651.5	75.7	654.6	60.8	175.5	111.3	181.2	196.1	291.7	326.7	283.0	8.8	75.1	71.0	16.8
SMDH 00216	813177.8	8193504.4	162.9	8	9	95	1126.0	2457.5	712.9	73.1	585.6	91.0	262.9	166.7	271.4	293.8	293.5	327.2	285.6	7.9	73.1	71.9	18.4
SMDH 00216	813177.8	8193504.4	162.9	9	10	98	1254.4	2916.9	707.3	82.9	875.4	104.9	303.0	192.1	312.8	338.6	289.3	328.2	282.3	7.0	74.1	73.9	24.5
SMDH 00216	813177.8	8193504.4	162.9	10	11	90	1428.6	3449.3	768.4	87.9	1093.1	125.7	363.1	230.2	374.9	405.8	311.6	352.4	302.6	9.0	78.6	75.4	23.0
SMDH 00216	813177.8	8193504.4	162.9	11	12	90	1382.8	3214.5	756.6	88.0	1061.7	109.7	316.7	200.8	327.0	353.9	311.8	352.7	302.5	9.3	81.1	76.2	21.4
SMDH 00216	813177.8	8193504.4	162.9	12	13	90	1098.2	2889.3	671.5	81.9	378.8	147.3	425.4	269.7	439.2	475.4	251.6	290.7	245.9	5.7	80.7	80.9	26.0
SMDH 00216	813177.8	8193504.4	162.9	13	14	80	1358.4	2936.3	935.5	96.8	414.4	124.9	360.6	228.7	372.4	403.0	421.6	467.0	412.1	9.5	142.6	147.3	24.5
SMDH 00216b	813117.0	8193509.4	163.5	0	1	30	999.7	1842.4	669.1	91.2	458.4	52.3	151.0	95.7	155.9	168.7	325.0	367.8	316.0	9.0	85.5	80.5	23.0
SMDH 00216b	813117.0	8193509.4	163.5	1	2	30	889.9	1911.9	637.6	66.6	175.9	86.5	249.8	158.4	257.9	279.1	107.0	138.7	101.4	5.6	47.9	41.0	18.4
SMDH 00216b	813117.0	8193509.4	163.5	2	3	70	1097.9	1989.5	881.4	53.6	156.6	75.3	217.4	137.8	224.5	242.9	38.4	64.1	33.9	4.6	24.6	14.7	13.8
SMDH 00216b	813117.0	8193509.4	163.5	3	4	50	1645.5	3815.3	849.1	66.1	1595.0	109.4	316.0	200.4	326.3	353.1	185.5	216.9	180.9	4.6	65.6	66.4	21.4
SMDH 00216b	813117.0	8193509.4	163.5	4	5	50	1386.9	3198.5	686.6	72.9	1395.5	87.5	252.7	160.2	260.9	282.3	169.8	204.7	165.2	4.6	58.7	58.9	24.5
SMDH 00216b	813117.0	8193509.4	163.5	5	6	85	1618.7	3368.3	974.5	63.2	1257.3	90.0	259.9	164.8	268.3	290.4	195.7	225.9	191.3	4.5	64.2	65.3	19.9
SMDH 00216b	813117.0	8193509.4	163.5	6	7	55	913.0	1632.3	656.1	132.1	102.4	62.2	179.6	113.8	185.4	200.7	318.2	381.8	306.8	11.4	98.2	82.9	32.1
SMDH 00216b	813117.0	8193509.4	163.5	7	8	65	1466.7	3596.8	783.3	95.6	1096.2	136.0	392.6	248.9	405.4	438.8	213.6	257.9	202.8	10.8	74.5	61.4	21.4
SMDH 00216b	813117.0	8193509.4	163.5	8	9	90	1600.5	3792.6	698.9	113.8	1792.6	99.5	287.4	182.3	296.8	321.2	272.2	325.9	260.1	12.1	81.4	64.8	24.5
SMDH 00216b	813117.0	8193509.4	163.5	9	10	70	1762.9	4486.8	824.5	97.2	1727.4	154.1	444.9	282.1	459.4	497.2	277.1	322.4	266.7	10.4	80.0	70.4	23.0
SMDH 00216b	813117.0	8193509.4	163.5	10	11	90	1376.7	3622.7	630.7	116.1	1192.4	141.1	407.6	258.4	420.8	455.5	215.3	269.3	201.9	13.4	76.1	56.6	24.5
SMDH 00216b	813117.0	8193509.4	163.5	11	12	85	2468.2	4237.3	1761.0	142.7	1188.0	96.1	277.4	175.9	286.4	310.0	249.7	317.0	237.2	12.5	80.5	64.9	39.8
SMDH 00216b	813117.0	8193509.4	163.5	12	13	95	1785.6	3833.1	1038.5	208.5	957.8	136.5	394.2	250.0	407.0	440.5	291.9	389.6	272.4	19.4	102.8	74.5	56.6
SMDH 00216b	813117.0	8193509.4	163.5	13	14	85	1704.1	3479.1	1046.1	122.1	1081.1	103.1	297.8	188.8	307.4	332.8	291.0	348.3	278.0	13.0	86.5	70.6	27.6
SMDH 00216b	813117.0	8193509.4	163.5	14	14.5	80	1565.2	3178.8	1114.4	68.4	601.9	116.9	337.5	214.0	348.5	377.2	318.6	349.8	310.2	8.4	77.8	78.1	15.3
SMDH 00217	813064.7	8193506.7	165.6	0	1	25	1135.6	2317.5	720.7	78.3	646.5	73.1	211.1	133.9	218.0	236.0	289.7	326.1	281.3	8.4	77.8	72.6	18.4
SMDH 00217	813064.7	8193506.7	165.6	1	2	30	2097.5	4001.0	1546.3	91.3	742.1	135.9	392.5	248.9	405.3	438.7	767.8	810.3	759.4	8.5	139.8	159.2	26.0
SMDH 00217	813064.7	8193506.7	165.6	2	3	20	1739.0	2935.4	1289.5	124.5	597.1	77.5	223.8	141.9	231.1	250.1	378.1	437.1	365.4	12.7	103.8	90.2	27.6
SMDH 00217	813064.7	8193506.7	165.6	3	4	50	1239.0	2371.6	770.8	127.2	686.0	66.0	190.7	120.9	196.9	213.1	296.6	356.5	283.0	13.6	89.4	71.2	27.6
SMDH 00217	813064.7	8193506.7	165.6	4	5	30	1391.0	2878.5	907.5	92.3	695.4	99.2	286.5	181.6	295.8	320.1	328.5	371.5	319.5	9.0	80.4	77.7	24.5
SMDH 00217	813064.7	8193506.7	165.6	5	6	65	1304.1	2770.4	902.7	70.2	487.7	109.8	317.1	201.1	327.4	354.4	375.8	408.0	367.8	8.0	86.2	90.5	16.8
SMDH 00217	813064.7	8193506.7	165.6	6	7	70	1182.8	2699.7	719.5	81.4	647.0	104.9	303.0	192.1	312.9	338.6	263.4	301.5	256.4	7.0	66.4	64.3	24.5
SMDH 00217	813064.7	8193506.7	165.6	7	8	50	1386.1	2636.5	949.4	105.7	592.7	82.9	239.4	151.8	247.2	267.5	246.6	296.3	236.6	10.0	71.3	60.3	27.6
SMDH 00217	813064.7	8193506.7	165.6	8	8.5	80	1088.9	2158.3	700.7	81.6	592.0	65.7	189.8	120.3	196.0	212.1	201.3	239.9	193.8	7.5	55.8	47.7	21.4
SMDH 00217b	813001.1	8193506.2	166.3	0	1	40	1258.3	2600.3	811.7	94.0	626.3	89.6	258.7	164.0	267.1	289.0	435.0	478.3	424.2	10.8	106.2	104.6	21.4
SMDH 00217b	813001.1	8193506.2	166.3	1	2	50	3604.6	4519.0	3313.3	58.5	399.6	62.7	181.0	114.8	186.9	202.3	627.5	654.2	620.6	6.9	96.4	113.6	13.8
SMDH 00217b	813001.1	8193506.2	166.3	2	3	75	2921.2	3335.6	2754.3	55.5	202.7	27.1	78.2	49.6	80.8	87.4	265.7	291.1	258.1	7.6	68.7	64.1	9.2
SMDH 00217b	813001.1	8193506.2	166.3	3	4	25	5507.5	5891.0	5334.0	55.0	243.3	21.7	62.6	39.7	64.7	70.0	190.9	217.2	186.0	4.8	51.5	47.3	13.8
SMDH 00217b	813001.1	8193506.2	166.3	4	5	35	2377.8	3152.4	2148.7	54.2	257.5	58.0	167.6	106.2	173.0	187.2	155.9	181.3	149.7	6.2	45.3	36.4	10.7
SMDH 00217b	813001.1	8193506.2	166.3	5	6	50	1276.2	1822.1	1090.1	55.3	208.9	39.2	113.3	71.8	116.9	126.6	388.0	413.3	380.9	7.1	90.3	93.5	10.7
SMDH 00217b	813001.1	8193506.2	166.3	6	7	70	1930.3	3138.8	1624.8	101.5	151.2	105.7	305.4	193.6	315.3	341.2	535.5	581.9	522.0	13.5	137.4	135.8	18.4
SMDH 00217b	813001.1	8193506.2	166.3	7	7.5	65	1478.2	3454.6	1057.3	120.6	126.1	180.3	520.7	330.1	537.6	581.8	292.6	348.8	279.4	13.2	87.2	71.6	27.6
SMDH 00218	812938.4	8193503.8	164.6	0	1	30	1382.6	2551.9	910.0	139.4	640.3	72.3	208.7	132.4	215.5	233.3	478.3	542.5	460.4	17.8	131.2	116.1	26.0
SMDH 00218	812938.4	8193503.8	164.6	1	2	25	1617.4	3206.5	879.5	370.6	559.0	117.2	338.3	214.5	349.3	378.1	478.0	648.8	423.5	54.5	232.3	126.9	44.4
SMDH 00218	812938.4	8193503.8	164.6	2	3	60	1480.8	3107.5	803.3	309.6	542.7	121.7	351.5	222.9	362.9	392.8	411.8	554.5	368.5	43.3	186.9	107.2	44.4
SMDH 00218	812938.4	8193503.8	164.6	3	4	50	2003.3	3629.6	1419.9	218.6	531.6	122.4	353.4	224.0	364.8	394.9	858.6	958.8	827.6	31.0	214.7	185.1	32.1
SMDH 00218	812938.4	8193503.8	164.6	4	5	50	1557.7	2734.1	1124.7	158.7	422.3	86.2	249.0	157.9	257.1	278.2	410.4	484.5	390.7	19.7	126.1	98.8	27.6
SMDH 00218	812938.4	8193503.8	164.6	5	6	90	1017.0	1840.2	710.8	110.4	309.8	59.5	171.7	108.9	177.3	191.9	301.4	352.7	287.2	14.2	92.7	74.0	18.4
SMDH 00218	812938.4	8193503.8	164.6	6	7	90	2159.6	3464.2	1690.9	137.1	568.3	89.5	258.6	164.0	267.0	289.0	442.0	505.4	423.6	18.4	127.1	106.1	21.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00218	812938.4	8193503.8	164.6	7	8	50	1589.6	2207.8	1384.5	63.6	212.6	45.9	132.4	84.0	136.8	148.0	554.2	583.0	545.2	9.0	119.4	126.6	10.7
SMDH 00218	812938.4	8193503.8	164.6	8	9	60	1689.0	2493.6	1425.1	70.2	311.1	57.6	166.4	105.5	171.8	185.9	504.6	536.9	495.4	9.3	117.1	121.7	12.2
SMDH 00218	812938.4	8193503.8	164.6	9	10	90	1614.9	2966.1	1132.4	160.6	510.3	97.5	281.5	178.5	290.7	314.6	480.5	555.9	462.3	18.2	135.9	115.4	32.1
SMDH 00218	812938.4	8193503.8	164.6	10	11	80	1626.2	3553.2	1068.8	224.5	268.9	166.9	482.0	305.6	497.7	538.7	166.0	273.3	150.8	15.3	72.6	43.7	71.9
SMDH 00218	812938.4	8193503.8	164.6	11	12	80	1456.6	2704.1	967.6	164.9	569.0	84.1	242.7	153.9	250.6	271.3	441.4	517.8	421.3	20.1	127.0	104.2	32.1
SMDH 00218	812938.4	8193503.8	164.6	12	13	90	1387.5	2335.3	1044.7	116.3	360.7	68.2	197.0	124.9	203.4	220.1	298.2	352.5	284.6	13.6	91.2	73.5	23.0
SMDH 00218	812938.4	8193503.8	164.6	13	14	90	1646.2	3223.5	1072.1	212.3	544.6	116.9	337.6	214.1	348.6	377.3	521.9	620.3	495.5	26.4	157.3	121.9	39.8
SMDH 00218	812938.4	8193503.8	164.6	14	15	90	1725.5	2968.0	1293.2	165.2	364.0	96.1	277.4	175.9	286.4	310.0	240.9	319.2	225.1	15.8	90.7	62.8	39.8
SMDH 00218	812938.4	8193503.8	164.6	15	16	90	1804.8	3101.1	1300.9	181.7	538.3	90.6	261.5	165.8	270.0	292.3	521.2	604.8	497.8	23.3	157.1	132.0	33.7
SMDH 00218	812938.4	8193503.8	164.6	16	17	90	1605.3	2908.9	1023.4	253.7	556.2	90.2	260.4	165.1	268.9	291.0	495.8	612.2	460.7	35.1	179.6	126.8	39.8
SMDH 00218	812938.4	8193503.8	164.6	17	17.5	60	1364.0	2847.8	788.4	214.4	588.1	105.4	304.3	193.0	314.2	340.1	426.9	527.0	400.6	26.3	146.6	104.3	38.3
SMDH 00218b	812878.8	8193503.7	163.9	0	1	30	996.5	1687.5	745.0	55.7	374.4	43.0	124.0	78.7	128.1	138.6	156.8	183.4	151.8	5.0	44.5	38.5	13.8
SMDH 00218b	812878.8	8193503.7	163.9	1	2	45	809.1	1494.3	583.6	39.9	339.9	44.5	128.5	81.5	132.7	143.6	76.1	94.5	72.4	3.8	24.1	20.6	12.2
SMDH 00218b	812878.8	8193503.7	163.9	2	3	70	839.9	1350.2	672.7	32.3	240.7	33.9	97.9	62.1	101.1	109.4	44.3	59.4	41.4	2.9	15.4	10.1	9.2
SMDH 00218b	812878.8	8193503.7	163.9	3	4	50	1660.8	2194.6	1492.6	44.2	190.1	39.2	113.3	71.8	116.9	126.6	78.0	98.7	74.0	4.0	23.5	17.2	12.2
SMDH 00218b	812878.8	8193503.7	163.9	4	5	65	1677.9	2643.7	1401.6	54.2	335.5	71.5	206.3	130.8	213.1	230.6	95.5	121.1	91.3	4.2	29.9	24.2	16.8
SMDH 00218b	812878.8	8193503.7	163.9	5	6	65	851.2	1351.5	660.0	31.2	337.2	27.1	78.2	49.6	80.8	87.4	72.7	87.2	69.9	2.9	21.0	17.7	9.2
SMDH 00218b	812878.8	8193503.7	163.9	6	7	85	1254.2	1923.3	993.2	47.1	450.5	36.3	104.7	66.4	108.1	117.0	71.8	93.7	67.0	4.8	24.6	17.1	12.2
SMDH 00218b	812878.8	8193503.7	163.9	7	8	90	1346.9	2939.7	758.6	66.1	1120.3	83.4	240.8	152.7	248.7	269.1	94.4	125.8	89.3	5.0	30.0	21.3	19.9
SMDH 00218b	812878.8	8193503.7	163.9	8	9	85	2082.8	3326.1	1655.0	61.5	724.3	74.2	214.3	135.9	221.3	239.5	504.8	533.7	499.6	5.1	90.0	101.2	18.4
SMDH 00219	812824.4	8193504.8	163.9	0	1	40	1435.5	2295.8	1117.6	60.7	514.9	50.5	145.9	92.5	150.6	163.0	298.7	327.6	292.4	6.2	74.8	70.5	12.2
SMDH 00219	812824.4	8193504.8	163.9	1	2	40	1394.2	2001.0	1177.0	54.8	293.4	39.9	115.2	73.0	118.9	128.7	405.3	430.6	399.0	6.4	87.0	90.6	12.2
SMDH 00219	812824.4	8193504.8	163.9	2	3	60	997.0	1429.0	839.1	45.1	198.8	29.0	83.7	53.1	86.5	93.6	242.7	263.4	237.6	5.1	56.6	57.2	10.7
SMDH 00219	812824.4	8193504.8	163.9	3	4	50	1826.0	2338.7	1636.7	56.0	234.0	34.5	99.7	63.2	103.0	111.5	807.6	832.7	799.7	8.0	142.3	163.0	10.7
SMDH 00219	812824.4	8193504.8	163.9	4	5	50	1080.4	1517.7	915.9	47.1	213.1	28.6	82.7	52.4	85.4	92.4	280.6	302.5	275.3	5.3	65.7	68.0	10.7
SMDH 00219	812824.4	8193504.8	163.9	5	6	60	1881.0	2340.4	1701.4	65.4	191.1	32.1	92.6	58.7	95.6	103.5	758.9	788.4	749.4	9.5	146.9	164.6	10.7
SMDH 00219	812824.4	8193504.8	163.9	6	7	70	938.7	1272.8	802.6	47.1	160.5	22.0	63.6	40.3	65.7	71.1	226.9	248.7	220.7	6.2	57.9	55.0	7.7
SMDH 00219	812824.4	8193504.8	163.9	7	7.5	80	1297.1	1637.7	1130.5	69.0	188.1	21.0	60.5	38.4	62.5	67.7	237.9	268.9	227.0	10.9	69.4	58.8	9.2
SMDH 00219b	812757.3	8193503.2	163.9	0	1	45	806.1	1508.7	496.9	71.0	522.6	35.1	101.3	64.2	104.5	113.2	284.9	318.0	275.6	9.3	79.7	70.7	10.7
SMDH 00219b	812757.3	8193503.2	163.9	1	2	45	949.7	1755.7	618.9	77.8	526.2	44.7	129.0	81.8	133.2	144.2	340.0	376.1	330.6	9.4	85.9	81.7	15.3
SMDH 00219b	812757.3	8193503.2	163.9	2	3	50	1260.3	2518.9	823.5	67.5	727.7	75.5	217.9	138.2	225.0	243.6	339.7	371.4	333.9	5.8	73.5	78.9	19.9
SMDH 00219b	812757.3	8193503.2	163.9	3	4	55	1342.0	2578.9	918.5	79.7	645.4	78.4	226.4	143.6	233.8	253.0	311.1	348.3	303.9	7.2	74.0	74.5	23.0
SMDH 00219b	812757.3	8193503.2	163.9	4	5	90	3180.5	5348.3	2544.0	107.2	864.9	153.6	443.6	281.2	458.0	495.7	1062.2	1111.4	1050.5	11.7	198.4	226.8	27.6
SMDH 00219b	812757.3	8193503.2	163.9	5	6	90	2671.2	5821.4	1652.2	200.7	1435.7	212.4	613.2	388.8	633.1	685.3	731.3	825.7	715.5	15.8	165.1	168.2	62.8
SMDH 00219b	812757.3	8193503.2	163.9	6	7	90	2476.4	5333.4	1332.9	335.3	1542.0	178.0	514.0	325.9	530.7	574.4	570.1	722.0	522.9	47.1	200.4	131.4	58.2
SMDH 00219b	812757.3	8193503.2	163.9	7	8	85	2818.3	6008.6	1193.7	676.1	1889.5	188.6	544.6	345.3	562.3	608.6	588.0	888.2	476.3	111.7	329.6	137.9	85.7
SMDH 00219b	812757.3	8193503.2	163.9	8	9	85	2538.8	5830.2	1442.1	218.2	1585.6	216.7	625.7	396.7	646.0	699.2	682.5	773.1	631.8	50.7	213.9	157.1	3.1
SMDH 00220	812696.4	8193502.4	166.0	0	1	70	2621.0	6604.1	1630.8	249.1	748.4	333.3	962.6	610.3	993.9	1075.7	339.5	455.1	314.8	24.7	116.8	83.9	67.4
SMDH 00220	812696.4	8193502.4	166.0	1	2	45	2082.6	4308.0	1435.2	212.1	495.2	181.6	524.3	332.4	541.3	585.9	107.8	209.6	92.8	15.0	68.4	33.2	64.3
SMDH 00220	812696.4	8193502.4	166.0	2	3	90	4867.8	7114.6	4125.0	275.4	601.7	177.1	511.5	324.3	528.1	571.6	96.5	229.8	82.2	14.3	64.1	29.9	96.4
SMDH 00220b	812641.8	8193506.4	164.0	0	1	50	1818.3	4462.7	996.0	179.3	1045.6	188.0	542.7	344.1	560.4	606.5	517.0	599.9	497.2	19.8	136.4	121.3	42.9
SMDH 00220b	812641.8	8193506.4	164.0	1	2	55	1260.4	3081.9	698.1	106.4	767.3	126.6	365.6	231.8	377.5	408.5	342.9	392.1	331.4	11.5	88.4	82.0	26.0
SMDH 00220b	812641.8	8193506.4	164.0	2	3	70	2852.8	4643.9	2245.2	151.2	784.5	122.7	354.2	224.6	365.8	395.9	432.9	503.0	415.8	17.0	124.5	109.4	33.7
SMDH 00220b	812641.8	8193506.4	164.0	3	4	85	1782.1	3544.5	1208.9	118.8	790.7	119.6	345.3	218.9	356.5	385.8	436.4	491.8	424.1	12.3	107.5	102.3	29.1
SMDH 00220b	812641.8	8193506.4	164.0	4	5	85	1693.4	3542.4	1052.0	195.9	716.0	132.3	382.1	242.3	394.6	427.0	424.6	515.1	400.3	24.2	134.8	102.2	38.3
SMDH 00220b	812641.8	8193506.4	164.0	5	6	70	2038.0	3942.0	1293.3	202.5	1041.0	117.8	340.2	215.7	351.3	380.2	492.4	586.1	469.4	22.9	145.8	121.6	45.9
SMDH 00220b	812641.8	8193506.4	164.0	6	7	75	1720.1	3610.2	1091.3	157.1	791.4	131.7	380.2	241.1	392.6	424.9	401.7	474.2	383.6	18.1	118.6	100.1	35.2
SMDH 00220b	812641.8	8193506.4	164.0	7	8	75	1909.7	3653.0	1322.0	149.2	742.4	120.7	348.5	221.0	359.8	389.4	438.0	507.3	421.3	16.7	118.9	103.9	33.7
SMDH 00220b	812641.8	8193506.4	164.0	8	9	70	1813.5	3690.2	1229.6	149.8	661.7	138.3	399.3	253.2	412.2	446.2	450.4	518.6	431.6	18.8	121.6	105.7	32.1
SMDH 00221	812579.1	8193500.1	159.9	0	1	35	1636.2	3245.8	976.7	106.1	1225.6	78.6	227.0	143.9	234.4	253.7	579.7	627.1	563.5	16.1	146.8	144.5	16.8
SMDH 00221	812579.1	8193500.1	159.9	1	2	50	2283.8	4653.0	1405.2	144.0	1513.1	133.4	385.1	244.2	397.6	430.4	640.5	705.7	621.0	19.5	172.9	166.5	27.6
SMDH 00221	812579.1	8193500.1	159.9	2	3	90	3305.4	7106.2	2173.3	164.2	1661.7	260.5	752.2	476.9	776.7	840.6	224.3	301.8	212.2	12.0	71.7	56.1	53.6
SMDH 00221	812579.1	8193500.1	159.9	3	4	90	2910.7	7200.8	1857.1	172.3	1108.4	340.6	983.7	623.7	1015.7	1099.2	320.4	403.0	311.6	8.8	77.9	71.7	64.3
SMDH 00221	812579.1	8193500.1	159.9	4	5	90	2938.8	6977.8	1842.3	157.4	1440.8	296.6	856.4	543.0	884.3	957.0	209.2	284.1	199.0	10.2	64.1	50.3	53.6
SMDH 00221	812579.1	8193500.1	159.9	5	6	85	2631.6	7076.0	1385.9	201.0	1626.7	323.8	935.1	592.9	965.5	1045.0	225.8	321.1	210.8	15.0	84.6	59.5	62.8
SMDH 00221	812579.1	8193500.1	159.9	6	7	95	2346.6	6033.9	1241.4	233.8	1366.5	267.6	772.9	490.0	798.0	863.7	225.5	334.4	201.3	24.2	103.0	59.7	58.2
SMDH 00221	812579.1	8193500.1	159.9	7	8	35	1857.9	4046.5	1133.9	151.2	1013.2	146.6	423.3	268.4	437.0	473.0	449.0	520.4	434.3	14.8	120.4	106.9	36.7
SMDH 00221	812579.1	8193500.1	159.9	8	9	90	1832.5	4043.4	1180.2	140.2	781.6	162.8	470.0	298.0	485.3	525.3	391.4	456.8	377.1	14.3	109.5	97.8	35.2
SMDH 00017	812642.3	8193626.3	167.2	0	1	40	1074.5	1821.7	843.2	77.2	195.0	59.2	171.0	108.4	176.6	191.1	315.8	352.3	307.8	8.1	78.5	72.5	16.8
SMDH 00017	812642.3	8193626.3	167.2	1	2	48	1023.3	1851.2	821.1	36.4	198.2	66.7	192.6	122.1	198.9	215.2	117.0	134.0	113.8	3.1	29.4	27.0	10.7
SMDH 00017	812642.3	8193626.3	167.2	2	3	40	1137.0	1583.8	1011.6	30.2	127.8	34.7	100.3	63.6	103.6	112.1	203.9	217.5	200.3	3.6	44.7	46.7	7.7
SMDH 00017	812642.3	8193626.3	167.2	3	4	70	1050.8	1784.5	842.7	43.4	240.2	55.2	159.3	101.0	164.5	178.0	251.0	271.3	247.0	4.1	56.1	59.6	12.2
SMDH 00017	812642.3	8193626.3	167.2	4	5	65	1916.5	3157.6	1516.2	86.0	536.4	85.4	246.7	156.4	254.8	275.7	390.8	430.2	379.8	11.0	98.4	93.6	16.8
SMDH 00017	812642.3	8193626.3	167.2	5	6	90	1321.7	2774.1	902.6	66.6	572.0	103.4	298.5	189.3	308.2	333.6	323.8	354.8	317.4	6.4	73.4	76.6	18.4
SMDH 00017	812642.3	8193626.3	167.2	6	7	75	1758.7	3168.8	1269.2	155.3	526.4	102.1	294.9	187.0	304.5	329.5	385.4	456.9	365.6	19.8	118.5	94.1	29.1
SMDH 00017	812642.3	8193626.3	167.2	7	8	95	1774.6	3502.2	1211.8	151.3	651.8	124.7	360.1	228.3	371.8	402.4	344.9	415.6	327.4	17.5	108.6	84.7	30.6
SMDH 00017	812642.3	8193626.3	167.2	8	9	80	1568.7	3002.4	1107.7	112.3	567.4	101.9	294.2	186.5	303.7	328.7	317.9	369.6	304.2	13.7	94.1	80.9	23.0
SMDH 00017	812642.3	8193626.3	167.2	9	10	60	1904.5	3748.4	1339.3	156.5	584.9	139.8	403.7	256.0	416.9	451.2	548.1	620.4	528.7	19.3	140.9	124.6	30.6
SMDH 00016b	812697.5	8193623.2	165.7	0	1	35	1242.7	2628.4	803.0	112.6	512.4	100.7	290.6	184.3	300.1	324.8	314.5	366.6	300.1	14.4	93.7	76.0	19.9
SMDH 00016b	812697.5	8193623.2	165.7	1	2	40	1341.3	2939.6	922.4	76.0	465.8	123.7	357.2	226.5	368.8	399.2	272.4	308.0	264.1	8.2	73.5	68.0	16.8
SMDH 00016b	812697.5	8193623.2	165.7	2	3	75	1410.2	2576.4	1093.3	58.7	369.0	88.5	255.5	162.0	263.8	285.6	416.3	443.8	411.5	4.8	85.4	96.6	18.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00016b	812697.5	8193623.2	165.7	3	4	85	1605.1	2744.3	1279.6	54.9	427.3	82.4	237.9	150.8	245.6	265.8	427.1	452.7	422.4	4.7	88.9	100.5	16.8
SMDH 00016b	812697.5	8193623.2	165.7	4	5	65	1412.6	2014.7	1241.5	47.2	156.0	47.8	138.0	87.5	142.5	154.2	288.2	310.3	284.1	4.1	63.8	68.8	13.8
SMDH 00016b	812697.5	8193623.2	165.7	5	6	60	1871.7	3332.7	1406.1	118.0	549.9	105.5	304.7	193.2	314.6	340.5	379.5	435.1	368.4	11.1	98.4	91.3	30.6
SMDH 00016b	812697.5	8193623.2	165.7	6	7	90	2313.1	4119.1	1780.2	114.0	640.6	132.8	383.6	243.2	396.1	428.7	515.7	568.5	503.3	12.4	127.1	128.1	27.6
SMDH 00016b	812697.5	8193623.2	165.7	7	8	90	1943.7	3649.7	1344.5	124.2	893.3	108.0	311.8	197.7	321.9	348.4	541.1	598.4	527.5	13.5	131.4	132.0	30.6
SMDH 00016b	812697.5	8193623.2	165.7	8	9	98	1722.6	3316.1	1209.4	106.4	700.7	109.0	314.6	199.5	324.9	351.6	475.3	524.4	463.6	11.7	117.3	117.8	26.0
SMDH 00016b	812697.5	8193623.2	165.7	9	10	75	1226.4	2554.9	765.9	132.5	543.2	93.3	269.5	170.9	278.3	301.2	212.9	275.1	197.7	15.2	80.6	54.2	26.0
SMDH 00016b	812697.5	8193623.2	165.7	10	11	90	1343.1	2865.1	846.0	150.4	516.9	113.3	327.3	207.5	337.9	365.7	258.3	328.3	241.6	16.8	94.1	69.6	33.7
SMDH 00016b	812697.5	8193623.2	165.7	11	12	85	1501.0	2846.2	1098.5	103.7	429.1	101.9	294.2	186.5	303.7	328.7	282.2	330.4	270.5	11.7	84.6	73.2	23.0
SMDH 00016b	812697.5	8193623.2	165.7	12	13	85	1276.8	2589.1	854.1	103.5	519.1	93.3	269.3	170.7	278.0	300.9	293.1	341.3	282.4	10.6	81.8	73.9	26.0
SMDH 00016	812753.7	8193628.9	163.7	0	1	5	1024.6	1764.2	762.1	66.3	351.8	49.0	141.4	89.7	146.0	158.0	468.5	499.1	461.0	7.5	95.9	101.6	15.3
SMDH 00016	812753.7	8193628.9	163.7	1	2	50	1472.7	2493.4	1096.2	100.6	504.4	66.4	191.8	121.6	198.0	214.3	582.4	628.4	569.5	12.9	121.9	122.2	19.9
SMDH 00016	812753.7	8193628.9	163.7	2	3	40	2013.9	3365.2	1591.7	82.3	575.6	93.5	270.1	171.3	278.9	301.8	190.8	230.1	181.4	9.4	64.8	48.3	13.8
SMDH 00016	812753.7	8193628.9	163.7	3	4	70	1200.0	2208.7	859.8	66.4	502.6	65.4	188.8	119.7	195.0	211.0	190.4	221.2	182.1	8.4	55.8	46.2	12.2
SMDH 00016	812753.7	8193628.9	163.7	4	5	55	1973.0	4002.4	1159.5	276.1	962.3	134.5	388.5	246.3	401.1	434.1	357.1	484.4	318.6	38.5	159.4	87.7	39.8
SMDH 00016	812753.7	8193628.9	163.7	5	6	90	2858.4	6318.9	1696.3	301.3	1438.7	241.7	697.9	442.5	720.6	779.9	776.3	913.6	735.2	41.1	235.1	186.3	53.6
SMDH 00016	812753.7	8193628.9	163.7	6	7	80	2248.4	5027.4	1184.5	331.5	1305.0	185.0	534.2	338.7	551.6	596.9	503.2	654.0	455.7	47.5	199.9	122.9	52.0
SMDH 00016	812753.7	8193628.9	163.7	7	8	55	2372.4	5583.6	1266.2	256.8	1519.3	213.1	615.3	390.1	635.3	687.6	554.4	674.6	526.0	28.3	169.3	128.6	55.1
SMDH 00016	812753.7	8193628.9	163.7	8	9	65	2243.4	4834.1	1204.9	323.8	1332.5	165.4	477.6	302.9	493.2	533.8	383.0	533.0	339.3	43.7	179.4	92.9	49.0
SMDH 00015b	812814.2	8193635.8	161.3	0	1	40	1895.3	3686.8	1311.0	158.7	672.1	129.5	374.1	237.2	386.2	418.0	629.4	702.7	609.2	20.2	158.9	143.3	29.1
SMDH 00015b	812814.2	8193635.8	161.3	1	2	30	1210.3	2241.7	885.8	86.3	362.1	76.1	219.7	139.3	226.8	245.5	411.8	451.2	401.0	10.8	100.6	99.5	18.4
SMDH 00015b	812814.2	8193635.8	161.3	2	3	70	1360.1	2523.9	952.7	110.2	511.9	79.6	229.8	145.7	237.3	256.8	361.3	412.6	348.1	13.2	104.7	91.2	21.4
SMDH 00015b	812814.2	8193635.8	161.3	3	4	65	1774.9	3452.6	1326.0	66.5	570.5	124.9	360.6	228.7	372.4	403.0	278.6	309.9	273.1	5.5	65.2	67.7	19.9
SMDH 00015b	812814.2	8193635.8	161.3	4	5	45	1742.9	3573.0	1304.0	65.0	465.3	145.8	420.9	266.9	434.6	470.4	336.7	366.9	330.5	6.2	79.0	84.2	18.4
SMDH 00015b	812814.2	8193635.8	161.3	5	6	85	1667.6	2948.0	1234.6	135.5	456.4	94.0	271.5	172.2	280.4	303.4	317.4	380.8	302.8	14.6	99.8	82.7	30.6
SMDH 00015b	812814.2	8193635.8	161.3	6	7	75	1961.2	3468.1	1388.0	182.2	685.1	101.7	293.6	186.2	303.2	328.1	438.7	522.2	414.4	24.4	142.4	112.3	32.1
SMDH 00015b	812814.2	8193635.8	161.3	7	8	70	1511.3	2832.6	964.9	204.4	598.0	89.3	257.9	163.5	266.3	288.2	401.4	495.4	373.9	27.6	143.6	102.5	33.7
SMDH 00015b	812814.2	8193635.8	161.3	8	9	70	1521.5	2548.4	1028.3	188.4	606.3	60.8	175.6	111.4	181.3	196.3	361.9	448.3	337.9	24.0	124.4	92.4	36.7
SMDH 00015b	812814.2	8193635.8	161.3	9	10	90	1667.4	3010.7	1163.7	167.9	564.6	93.5	269.9	171.1	278.6	301.6	404.0	480.0	380.8	23.2	132.3	107.0	30.6
SMDH 00015b	812814.2	8193635.8	161.3	10	11	80	1471.3	3103.7	961.8	150.0	509.2	124.3	359.0	227.6	370.6	401.1	331.7	400.3	313.6	18.2	100.5	81.6	33.7
SMDH 00015b	812814.2	8193635.8	161.3	11	12	95	1653.9	3162.2	1175.1	159.9	422.2	117.8	340.2	215.7	351.2	380.1	470.7	545.0	453.1	17.6	132.1	117.2	36.7
SMDH 00015b	812814.2	8193635.8	161.3	12	13	60	2008.8	3475.9	1519.6	91.1	730.8	95.1	274.7	174.1	283.6	306.9	367.1	409.9	359.5	7.6	88.0	91.6	27.6
SMDH 00015b	812814.2	8193635.8	161.3	13	14	50	1473.6	2608.4	1037.7	66.0	790.2	59.9	173.0	109.7	178.6	193.3	293.8	324.9	289.7	4.1	64.9	72.8	24.5
SMDH 00015b	812814.2	8193635.8	161.3	14	15	55	2901.9	4453.2	2383.2	54.4	929.7	91.0	262.9	166.7	271.4	293.8	221.8	247.7	218.7	3.1	50.5	54.5	19.9
SMDH 00015	812877.6	8193630.3	160.9	0	1	25	1241.2	2253.6	768.6	91.5	890.7	42.2	121.7	77.2	125.7	136.0	354.5	397.6	343.9	10.6	96.0	87.5	16.8
SMDH 00015	812877.6	8193630.3	160.9	1	2	65	4806.9	5550.9	4414.6	174.8	427.3	44.8	129.3	82.0	133.5	144.5	827.4	906.5	803.2	24.2	189.0	181.8	32.1
SMDH 00015	812877.6	8193630.3	160.9	2	3	75	4152.9	4963.2	3738.7	171.1	487.9	47.4	136.9	86.8	141.4	153.0	497.7	575.7	475.8	21.9	133.4	113.7	35.2
SMDH 00015	812877.6	8193630.3	160.9	3	4	50	1313.5	1681.7	1070.1	89.4	379.8	11.9	34.5	21.9	35.6	38.5	301.0	342.0	289.9	11.1	85.2	75.6	18.4
SMDH 00015	812877.6	8193630.3	160.9	4	5	65	2649.9	4333.2	2060.7	216.3	533.3	127.7	368.7	233.8	380.7	412.0	392.9	494.4	366.0	26.9	143.8	96.3	35.2
SMDH 00015	812877.6	8193630.3	160.9	5	6	90	1810.5	3102.7	1421.7	114.3	366.5	100.6	290.6	184.2	300.0	324.7	274.9	328.2	261.5	13.4	84.8	68.0	23.0
SMDH 00015	812877.6	8193630.3	160.9	6	7	45	1677.3	3109.7	1184.4	156.4	523.5	104.4	301.5	191.2	311.3	337.0	375.4	447.8	356.3	19.1	115.4	91.8	30.6
SMDH 00015	812877.6	8193630.3	160.9	7	8	75	736.1	1805.9	443.5	67.4	296.0	83.8	241.9	153.4	249.7	270.3	160.6	192.4	152.8	7.8	51.1	39.7	12.2
SMDH 00015	812877.6	8193630.3	160.9	8	9	45	952.3	1584.4	722.2	61.4	304.7	41.6	120.1	76.2	124.0	134.2	124.7	153.1	116.8	7.8	43.2	31.3	10.7
SMDH 00015	812877.6	8193630.3	160.9	9	10	50	1080.2	1719.5	728.9	139.0	459.5	32.9	94.9	60.2	98.0	106.1	269.7	335.7	252.6	17.1	97.5	63.7	19.9
SMDH 00015	812877.6	8193630.3	160.9	10	11	60	1365.2	2321.4	982.1	122.0	481.9	61.7	178.0	112.9	183.8	199.0	287.8	345.6	271.9	15.9	99.4	70.0	15.3
SMDH 00015	812877.6	8193630.3	160.9	11	12	90	915.7	1602.5	566.6	107.3	543.4	32.3	93.3	59.1	96.3	104.2	286.2	336.1	271.6	14.5	91.3	70.0	15.3
SMDH 00015	812877.6	8193630.3	160.9	12	13	60	1210.7	2418.0	735.9	191.7	439.2	88.1	254.5	161.4	262.8	284.4	331.7	420.3	306.0	25.7	124.1	81.3	30.6
SMDH 00014b	812936.2	8193626.4	162.3	0	1	50	1319.0	2487.0	905.8	111.6	526.1	79.1	228.4	144.8	235.9	255.3	477.1	528.2	463.1	14.0	123.8	120.2	23.0
SMDH 00014b	812936.2	8193626.4	162.3	1	2	50	1477.7	5162.3	767.0	89.4	459.0	322.5	931.4	590.5	961.7	1040.8	373.8	415.2	364.0	9.8	91.4	88.6	21.4
SMDH 00014b	812936.2	8193626.4	162.3	2	3	65	853.4	1845.7	594.6	56.4	251.3	79.1	228.4	144.8	235.9	255.3	336.2	362.2	329.5	6.8	80.0	81.6	12.2
SMDH 00014b	812936.2	8193626.4	162.3	3	4	80	1543.2	3084.3	1270.6	31.4	124.3	139.0	401.4	254.5	414.5	448.6	188.4	202.7	184.2	4.2	45.5	46.3	6.1
SMDH 00014b	812936.2	8193626.4	162.3	4	5	60	2021.7	3945.9	1663.7	46.4	192.6	171.3	494.7	313.7	510.8	552.8	366.1	387.6	360.4	5.7	85.5	92.8	9.2
SMDH 00014b	812936.2	8193626.4	162.3	5	6	95	1406.1	2126.8	1157.4	53.6	357.2	46.8	135.2	85.8	139.6	151.1	486.0	510.0	478.1	7.9	112.2	122.5	9.2
SMDH 00014b	812936.2	8193626.4	162.3	6	7	80	4616.9	24670.8	1718.1	96.4	393.3	1883.3	5438.5	3448.3	5615.3	6077.5	963.3	1005.5	948.0	15.3	217.1	243.4	16.8
SMDH 00014b	812936.2	8193626.4	162.3	7	8	70	2063.7	2868.1	1699.9	93.7	588.9	40.7	117.6	74.5	121.4	131.4	841.8	884.0	827.6	14.2	194.9	210.4	13.8
SMDH 00014b	812936.2	8193626.4	162.3	8	9	75	1668.1	2521.4	1419.0	63.4	258.3	65.4	189.0	119.8	195.1	211.2	512.9	541.1	503.3	9.6	118.3	126.2	10.7
SMDH 00014b	812936.2	8193626.4	162.3	9	10	60	1340.1	1934.8	1133.1	55.4	260.7	40.7	117.6	74.5	121.4	131.4	451.3	476.3	443.8	7.5	101.8	109.4	10.7
SMDH 00014b	812936.2	8193626.4	162.3	10	11	60	885.9	1044.6	741.4	58.8	233.8	0.9	2.6	1.6	2.6	2.9	471.0	497.3	462.5	8.5	108.5	116.2	10.7
SMDH 00014	812998.9	8193622.5	164.1	0	1	35	1296.8	2278.4	851.8	127.7	674.0	52.4	151.3	95.9	156.2	169.1	410.2	469.2	396.6	13.6	107.6	100.6	32.1
SMDH 00014	812998.9	8193622.5	164.1	1	2	80	1118.1	2384.8	741.8	56.2	544.9	87.4	252.3	159.9	260.5	281.9	292.9	318.9	286.8	6.1	69.6	72.1	13.8
SMDH 00014	812998.9	8193622.5	164.1	2	3	80	2797.2	4509.0	2300.7	137.7	468.1	134.4	388.0	246.0	400.6	433.6	1599.8	1663.0	1585.3	14.5	270.5	316.0	36.7
SMDH 00014	812998.9	8193622.5	164.1	3	4	85	1064.8	2351.7	601.7	66.7	812.5	73.0	210.8	133.7	217.7	235.6	236.1	267.0	230.5	5.6	57.3	59.7	21.4
SMDH 00014	812998.9	8193622.5	164.1	4	5	80	1187.7	3120.0	659.9	76.1	697.8	141.4	408.2	258.8	421.5	456.2	310.2	345.4	303.3	6.9	72.3	74.0	23.0
SMDH 00014	812998.9	8193622.5	164.1	5	6	95	1504.1	3648.2	907.1	104.3	743.5	158.7	458.4	290.6	473.3	512.2	405.2	453.7	395.2	10.0	98.5	99.4	29.1
SMDH 00014	812998.9	8193622.5	164.1	6	7	90	1195.6	2761.2	654.5	122.8	755.6	103.0	297.4	188.5	307.0	332.3	336.4	393.5	324.0	12.4	92.8	83.6	32.1
SMDH 00014	812998.9	8193622.5	164.1	7	8	95	1201.6	2561.1	693.5	144.3	658.6	89.3	257.8	163.4	266.2	288.1	343.7	410.6	327.3	16.4	99.9	80.9	32.1
SMDH 00014	812998.9	8193622.5	164.1	8	9	95	1449.2	4782.9	587.4	196.5	790.4	269.0	776.9	492.6	802.1	868.1	374.2	465.4	353.1	21.1	116.2	89.9	47.5
SMDH 00013b	813060.3	8193622.6	163.4	0	1	50	1352.4	2600.7	861.2	118.4	745.5	73.4	212.0	134.4	218.9	236.9	453.3	508.1	440.1	13.2	117.0	112.0	27.6
SMDH 00013b	813060.3	8193622.6	163.4	1	2	65	1457.0	3602.7	811.7	114.4	881.5	150.5	434.6	275.6	448.7	485.7	429.9	483.5	420.0	10.0	105.6	106.8	33.7
SMDH 00013b	813060.3	8193622.6	163.4	2	3	70	863.6	2587.8	418.7	73.7	507.4	133.1	384.5	243.8	397.0	429.6	232.8	266.7	223.9	8.9	65.7	58.1	15.3
SMDH 00013b	813060.3	8193622.6	163.4	3	4	90	716.0	1877.8	320.3	66.2	630.0	72.2	208.5	132.2	215.3	233.0	177.2	208.3	170.7	6.5	47.0	41.2	16.8

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00013b	813060.3	8193622.6	163.4	4	5	85	1427.0	3784.8	710.9	76.6	1173.2	152.9	441.7	280.0	456.0	493.5	412.2	448.5	406.1	6.1	80.0	84.0	23.0
SMDH 00013b	813060.3	8193622.6	163.4	5	6	95	873.1	2627.1	348.0	77.7	769.2	120.1	346.7	219.8	358.0	387.4	130.8	167.4	123.4	7.4	43.4	31.4	19.9
SMDH 00013b	813060.3	8193622.6	163.4	6	7	70	1022.9	2633.9	521.1	122.7	591.1	117.3	338.7	214.8	349.7	378.5	230.3	287.7	217.6	12.7	77.0	57.9	29.1
SMDH 00013b	813060.3	8193622.6	163.4	7	8	98	920.6	1996.2	435.6	71.9	976.4	43.0	124.0	78.7	128.1	138.6	100.4	134.6	94.5	5.9	34.7	23.8	19.9
SMDH 00013b	813060.3	8193622.6	163.4	8	9	85	979.9	2826.8	343.4	190.5	719.5	131.9	380.9	241.5	393.3	425.7	216.8	304.3	192.5	24.3	95.9	53.0	36.7
SMDH 00013b	813060.3	8193622.6	163.4	9	10	85	968.0	2631.4	455.1	196.6	337.2	137.7	397.7	252.1	410.6	444.4	206.1	297.3	182.6	23.5	95.2	51.4	39.8
SMDH 00013b	813060.3	8193622.6	163.4	10	11	95	1011.3	2246.7	564.3	183.6	354.2	96.0	277.1	175.7	286.1	309.7	298.0	382.5	273.9	24.1	117.6	76.7	32.1
SMDH 00034	812573.1	8193739.9	163.1	0	1	45	1280.1	2545.7	968.8	62.6	286.1	103.0	297.4	188.5	307.0	332.3	532.0	560.6	524.4	7.6	118.3	127.7	13.8
SMDH 00034	812573.1	8193739.9	163.1	1	2	40	4409.9	22613.4	1838.6	72.8	192.8	1719.5	4965.5	3148.4	5126.9	5548.9	1220.9	1252.4	1208.5	12.5	225.3	259.6	10.7
SMDH 00034	812573.1	8193739.9	163.1	2	3	90	1257.7	2149.2	920.9	69.0	537.9	52.1	150.4	95.4	155.3	168.1	515.0	546.6	505.8	9.2	116.5	122.4	12.2
SMDH 00034	812573.1	8193739.9	163.1	3	4	90	1575.0	3660.9	1001.0	64.6	832.9	147.8	426.7	270.5	440.6	476.8	451.6	481.8	445.3	6.2	99.7	109.0	16.8
SMDH 00034	812573.1	8193739.9	163.1	4	5	90	1525.1	3731.3	844.8	165.0	795.7	161.5	466.3	295.7	481.4	521.1	429.8	505.3	409.4	20.3	126.8	107.6	35.2
SMDH 00034	812573.1	8193739.9	163.1	5	6	95	2742.4	14659.4	927.1	72.1	516.6	1102.0	3182.2	2017.7	3285.6	3556.0	595.5	628.7	587.2	8.2	128.3	140.3	16.8
SMDH 00034	812573.1	8193739.9	163.1	6	7	90	1216.3	2689.2	856.4	53.4	394.9	116.1	335.2	212.5	346.1	374.6	430.8	455.4	425.0	5.8	91.8	101.1	13.8
SMDH 00034	812573.1	8193739.9	163.1	7	8	85	1347.7	3272.7	923.0	55.8	400.7	158.7	458.4	290.6	473.3	512.2	491.1	516.5	485.1	6.0	105.4	119.6	15.3
SMDH 00033b	812636.9	8193737.4	163.7	0	1	50	1896.6	4394.9	1154.1	135.6	986.1	177.7	513.1	325.3	529.8	573.4	631.7	693.6	613.5	18.2	163.0	158.0	24.5
SMDH 00033b	812636.9	8193737.4	163.7	1	2	30	1163.0	2395.3	728.6	44.7	814.6	67.7	195.5	123.9	201.8	218.4	218.9	239.5	213.9	5.0	51.9	51.8	10.7
SMDH 00033b	812636.9	8193737.4	163.7	2	3	85	1182.4	2806.1	761.0	51.8	550.4	121.0	349.4	221.5	360.7	390.4	163.8	188.2	160.4	3.4	36.7	36.4	18.4
SMDH 00033b	812636.9	8193737.4	163.7	3	4	80	1083.5	2477.0	696.3	45.8	560.5	98.5	284.3	180.3	293.6	317.7	125.2	146.8	122.4	2.7	28.6	29.2	16.8
SMDH 00033b	812636.9	8193737.4	163.7	4	5	90	1220.6	2575.2	856.2	52.2	473.3	100.1	289.0	183.2	298.4	322.9	156.5	181.3	153.7	2.7	35.0	35.8	19.9
SMDH 00033b	812636.9	8193737.4	163.7	5	6	95	1058.4	1394.5	841.0	47.6	453.1	4.4	12.8	8.1	13.2	14.3	134.7	157.1	131.9	2.7	31.2	32.6	18.4
SMDH 00033b	812636.9	8193737.4	163.7	6	7	65	1666.6	3340.5	1174.5	123.3	523.0	127.4	367.9	233.3	379.9	411.1	396.7	453.8	383.1	13.6	106.1	96.8	29.1
SMDH 00033b	812636.9	8193737.4	163.7	7	8	98	1552.8	1977.5	1166.6	146.9	662.4	0.1	0.4	0.3	0.4	0.4	415.7	484.0	399.5	16.2	118.7	103.2	33.7
SMDH 00033b	812636.9	8193737.4	163.7	8	9	98	1673.6	3494.4	1080.1	158.0	693.7	131.0	378.3	239.9	390.6	422.8	361.4	434.1	341.5	20.0	114.8	89.7	30.6
SMDH 00033b	812636.9	8193737.4	163.7	9	10	85	1855.2	2560.4	1415.5	150.6	706.7	24.1	69.7	44.2	71.9	77.8	404.9	475.1	388.8	16.1	116.1	100.6	35.2
SMDH 00033b	812636.9	8193737.4	163.7	10	11	98	1981.8	3752.2	1409.3	125.6	759.4	122.2	353.0	223.8	364.4	394.4	430.0	488.9	415.5	14.4	121.1	106.3	24.5
SMDH 00033b	812636.9	8193737.4	163.7	11	12	95	1461.5	3069.6	949.9	126.6	613.9	115.6	333.9	211.7	344.8	373.1	388.4	447.1	373.4	15.0	112.2	97.1	26.0
SMDH 00033b	812636.9	8193737.4	163.7	12	13	98	1947.0	3087.7	1319.9	197.6	1004.4	47.4	137.0	86.9	141.5	153.1	576.8	668.3	551.6	25.2	164.8	133.7	35.2
SMDH 00033	812698.5	8193748.1	162.5	0	1	45	1956.0	2897.5	1481.0	117.2	840.8	38.4	111.0	70.4	114.6	124.1	673.7	727.5	657.9	15.8	171.8	170.7	19.9
SMDH 00033	812698.5	8193748.1	162.5	1	2	45	2609.3	4647.4	1946.8	185.1	740.0	148.9	429.9	272.6	443.9	480.4	1188.5	1273.4	1163.7	24.8	249.9	248.1	32.1
SMDH 00033	812698.5	8193748.1	162.5	2	3	80	2268.8	3967.2	1718.0	168.2	561.3	127.4	367.9	233.3	379.9	411.1	870.5	948.0	848.4	22.1	190.5	178.1	29.1
SMDH 00033	812698.5	8193748.1	162.5	3	4	55	1668.2	3474.4	1084.7	193.2	536.5	139.2	401.9	254.8	415.0	449.1	349.0	438.5	323.3	25.7	130.9	86.2	30.6
SMDH 00033	812698.5	8193748.1	162.5	4	5	85	1929.1	3841.0	1350.7	172.3	542.5	148.9	429.9	272.6	443.9	480.4	322.9	402.5	300.3	22.5	119.7	84.3	29.1
SMDH 00033	812698.5	8193748.1	162.5	5	6	50	2015.9	3574.5	1592.7	114.9	359.5	126.4	365.0	231.4	376.8	407.8	418.1	471.2	404.6	13.5	109.4	99.9	24.5
SMDH 00033	812698.5	8193748.1	162.5	6	7	45	1955.1	2559.8	1786.6	51.2	131.4	49.5	143.0	90.7	147.7	159.8	390.0	413.7	383.9	6.1	89.5	95.1	10.7
SMDH 00033	812698.5	8193748.1	162.5	7	8	40	1277.7	1990.6	1019.6	79.6	300.7	49.5	143.0	90.7	147.7	159.8	307.6	344.8	299.1	8.6	77.1	73.0	18.4
SMDH 00033	812698.5	8193748.1	162.5	8	9	45	1798.1	3542.3	1356.9	101.6	382.5	142.6	411.9	261.2	425.3	460.3	265.3	313.0	255.4	9.8	74.7	65.0	26.0
SMDH 00033	812698.5	8193748.1	162.5	9	9.5	60	1605.5	2584.3	1369.8	59.0	164.5	83.1	239.9	152.1	247.7	268.1	273.2	301.0	267.7	5.5	65.9	65.7	15.3
SMDH 00032b	812755.8	8193743.5	161.9	0	1	50	1230.1	2634.2	716.1	75.1	909.8	78.2	225.9	143.3	233.3	252.5	430.0	463.9	419.1	10.9	105.6	106.1	12.2
SMDH 00032b	812755.8	8193743.5	161.9	1	2	45	1199.9	2297.3	822.6	74.0	566.6	69.9	202.0	128.0	208.5	225.7	484.2	517.8	473.7	10.5	113.5	116.8	12.2
SMDH 00032b	812755.8	8193743.5	161.9	2	3	45	1504.2	3250.0	983.5	159.9	458.8	138.2	398.9	253.0	411.9	445.8	251.4	327.3	233.4	18.0	100.9	65.3	29.1
SMDH 00032b	812755.8	8193743.5	161.9	3	4	70	1470.2	2510.7	1083.0	130.7	423.8	73.2	211.4	134.0	218.3	236.2	260.2	321.1	244.8	15.4	87.0	64.2	26.0
SMDH 00032b	812755.8	8193743.5	161.9	4	5	50	1568.0	2947.1	1191.2	79.4	407.4	106.4	307.3	194.8	317.3	343.4	240.7	277.3	232.1	8.6	64.2	59.0	19.9
SMDH 00032b	812755.8	8193743.5	161.9	5	6	70	1948.0	3105.6	1588.8	71.3	481.2	80.8	233.5	148.0	241.1	260.9	194.3	227.7	187.4	6.9	53.6	47.6	18.4
SMDH 00032b	812755.8	8193743.5	161.9	6	7	90	1271.0	2473.3	946.9	69.4	338.8	93.8	270.7	171.7	279.5	302.5	279.6	311.2	271.9	7.7	70.0	70.6	18.4
SMDH 00032b	812755.8	8193743.5	161.9	7	8	60	1100.8	1874.8	867.1	35.0	344.4	52.7	152.1	96.5	157.1	170.0	123.8	140.2	120.9	2.9	31.5	30.0	10.7
SMDH 00032	812820.9	8193746.0	160.8	0	1	40	667.3	1396.5	441.8	42.6	308.9	50.6	146.0	92.6	150.8	163.2	214.9	234.0	209.2	5.7	51.9	52.7	9.2
SMDH 00032	812820.9	8193746.0	160.8	1	2	35	1254.3	1837.2	1077.8	36.2	225.4	41.7	120.5	76.4	124.4	134.7	259.5	275.8	254.7	4.9	55.3	60.7	7.7
SMDH 00032	812820.9	8193746.0	160.8	2	3	40	2309.8	2761.8	2160.5	40.6	174.1	32.4	93.6	59.3	96.6	104.6	260.0	278.5	255.1	4.9	59.5	62.9	9.2
SMDH 00032	812820.9	8193746.0	160.8	3	4	65	2087.7	4564.6	1395.8	140.4	795.3	187.2	540.7	342.8	558.2	604.2	331.7	397.6	317.4	14.3	99.4	83.7	33.7
SMDH 00032	812820.9	8193746.0	160.8	4	5	95	2259.7	2742.7	2068.3	38.1	321.5	26.4	76.2	48.3	78.7	85.2	274.6	292.2	269.5	5.2	65.2	66.0	6.1
SMDH 00032	812820.9	8193746.0	160.8	5	6	90	1576.8	2123.6	1418.6	36.7	174.7	41.4	119.5	75.8	123.4	133.5	156.9	173.1	152.1	4.9	39.7	40.1	9.2
SMDH 00032	812820.9	8193746.0	160.8	6	7	60	1082.9	1706.1	902.8	45.9	183.6	48.1	138.9	88.1	143.4	155.2	272.8	293.9	267.0	5.7	65.5	65.5	9.2
SMDH 00032	812820.9	8193746.0	160.8	7	8	80	1091.2	1754.2	905.7	32.9	230.9	49.0	141.6	89.8	146.2	158.2	65.0	80.2	62.2	2.9	18.6	15.1	10.7
SMDH 00032	812820.9	8193746.0	160.8	8	9	80	1480.5	2234.5	1271.2	41.4	242.1	57.0	164.6	104.4	170.0	183.9	71.5	90.0	66.9	4.6	21.7	16.5	12.2
SMDH 00032	812820.9	8193746.0	160.8	9	10	70	1491.2	1983.5	1338.3	37.1	180.3	35.9	103.6	65.7	106.9	115.7	193.6	210.4	188.7	4.9	51.1	49.5	7.7
SMDH 00031b	812872.2	8193749.3	160.2	0	1	25	999.4	1924.8	621.1	72.0	661.5	47.8	138.0	87.5	142.5	154.3	320.3	353.3	310.5	9.7	84.5	79.8	12.2
SMDH 00031b	812872.2	8193749.3	160.2	1	2	90	1267.5	2497.4	840.1	84.1	647.2	77.6	224.2	142.1	231.5	250.5	386.3	424.1	374.3	12.0	102.4	99.1	15.3
SMDH 00031b	812872.2	8193749.3	160.2	2	3	85	2208.7	3095.9	1932.2	61.1	349.8	63.1	182.3	115.6	188.2	203.7	318.9	346.2	311.2	7.7	76.8	80.5	15.3
SMDH 00031b	812872.2	8193749.3	160.2	3	4	75	2081.7	2915.8	1845.1	51.1	266.7	63.1	182.3	115.6	188.2	203.7	299.9	323.8	295.0	4.9	70.7	74.9	13.8
SMDH 00031b	812872.2	8193749.3	160.2	4	5	80	1297.1	2366.1	1035.3	52.2	240.0	87.1	251.5	159.4	259.6	281.0	286.2	310.4	281.3	4.9	65.9	70.7	15.3
SMDH 00031b	812872.2	8193749.3	160.2	5	6	90	1611.0	2659.0	1330.2	51.7	320.7	80.2	231.5	146.8	239.1	258.7	233.9	257.4	228.2	5.7	57.5	58.5	13.8
SMDH 00031b	812872.2	8193749.3	160.2	6	7	50	1871.8	2644.0	1632.0	58.2	283.0	56.3	162.4	103.0	167.7	181.5	300.0	326.2	292.2	7.7	76.5	77.2	12.2
SMDH 00031b	812872.2	8193749.3	160.2	7	8	90	2086.0	2656.4	1904.5	38.3	241.9	39.6	114.2	72.4	117.9	127.6	233.5	250.6	228.6	4.9	53.4	55.7	9.2
SMDH 00031b	812872.2	8193749.3	160.2	8	9	655	1609.6	2343.1	1383.6	49.9	282.0	52.6	152.0	96.4	156.9	169.8	320.5	342.0	312.8	7.7	75.7	80.7	10.7
SMDH 00031b	812872.2	8193749.3	160.2	9	10	85	1741.8	2386.5	1531.5	45.6	283.8	44.1	127.2	80.7	131.4	142.2	304.4	325.3	299.5	4.9	70.0	75.1	12.2
SMDH 00031	812936.4	8193743.8	160.4	0	1	45	1150.7	2195.9	813.8	62.5	486.7	69.8	201.6	127.8	208.2	225.3	306.8	335.7	299.1	7.7	80.3	77.8	12.2
SMDH 00031	812936.4	8193743.8	160.4	1	2	40	1273.1	2395.4	917.6	79.0	457.0	79.0	228.0	144.6	235.4	254.8	392.6	427.8	381.7	10.9	96.0	95.9	16.8
SMDH 00031	812936.4	8193743.8	160.4	2	3	45	1649.4	3268.8	1131.3	91.1	761.0	107.8	311.2	197.3	321.3	347.8	635.0	676.7	623.0	12.0	150.0	156.3	16.8
SMDH 00031	812936.4	8193743.8	160.4	3	4	65	1438.1	3080.0	937.4	55.0	818.4	106.4	307.3	194.8	317.3	343.4	169.4	194.9	163.7	5.7	46.8	42.8	13.8
SMDH 00031	812936.4	8193743.8	160.4	4	5	95	1484.7	3558.2	909.9	52.5	886.0	143.4	414.0	262.5	427.4	462.6	171.5	195.6	165.8	5.7	45.3	42.8	13.8

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00031	812936.4	8193743.8	160.4	5	6	95	2353.2	4618.4	1658.3	64.3	1185.9	143.4	414.0	262.5	427.4	462.6	279.6	309.4	273.0	6.6	68.6	69.3	16.8
SMDH 00031	812936.4	8193743.8	160.4	6	7	85	2269.3	4709.2	1547.3	100.5	1067.3	167.2	482.8	306.1	498.5	539.5	467.1	514.1	458.5	8.6	105.6	111.4	30.6
SMDH 00031	812936.4	8193743.8	160.4	7	8	55	1977.3	3848.3	1418.2	95.0	773.2	131.0	378.1	239.8	390.4	422.6	442.0	485.4	431.1	10.9	104.0	105.3	23.0
SMDH 00031	812936.4	8193743.8	160.4	8	9	98	2188.5	4438.0	1505.7	126.8	922.5	157.9	455.9	289.1	470.7	509.4	622.6	681.2	608.2	14.3	151.2	151.6	29.1
SMDH 00031	812936.4	8193743.8	160.4	9	10	95	2265.1	4421.9	1612.9	126.0	859.5	152.9	441.5	279.9	455.8	493.4	617.4	675.1	603.0	14.3	160.4	164.0	30.6
SMDH 00031	812936.4	8193743.8	160.4	10	11	98	2272.1	4731.2	1536.8	154.0	911.6	178.5	515.4	326.8	532.2	575.9	651.0	721.9	633.2	17.8	177.1	174.1	35.2
SMDH 00030b	812997.7	8193743.4	161.2	0	1	80	1701.9	3773.4	1044.5	131.2	901.0	142.3	410.8	260.5	424.1	459.0	470.8	531.9	457.6	13.2	124.8	121.9	33.7
SMDH 00030b	812997.7	8193743.4	161.2	1	2	55	1833.9	3403.7	1319.5	113.2	691.9	107.2	309.7	196.4	319.8	346.1	338.9	390.1	325.7	13.2	91.7	86.7	29.1
SMDH 00030b	812997.7	8193743.4	161.2	2	3	90	2811.2	3458.4	2633.9	40.7	180.6	50.6	146.0	92.6	150.8	163.2	375.3	393.2	369.6	5.7	78.6	87.3	9.2
SMDH 00030b	812997.7	8193743.4	161.2	3	4	70	1807.9	2664.9	1520.4	64.4	392.4	57.7	166.5	105.6	171.9	186.1	241.1	271.5	234.3	6.9	59.8	54.4	13.8
SMDH 00030b	812997.7	8193743.4	161.2	4	5	50	2046.0	3298.6	1657.1	62.9	573.4	84.3	243.4	154.3	251.3	272.0	232.4	262.0	226.7	5.7	56.0	54.0	16.8
SMDH 00030b	812997.7	8193743.4	161.2	5	6	98	1901.7	3655.3	1390.4	69.5	749.4	121.2	350.1	222.0	361.5	391.2	273.4	305.6	267.7	5.7	60.5	64.5	23.0
SMDH 00030b	812997.7	8193743.4	161.2	6	7	85	1544.5	2688.1	1208.4	66.2	422.5	83.1	239.9	152.1	247.7	268.1	189.7	221.0	184.0	5.7	49.1	44.8	18.4
SMDH 00030b	812997.7	8193743.4	161.2	7	7.5	80	1246.1	1818.4	1089.3	49.0	112.2	47.6	137.5	87.2	142.0	153.6	109.2	131.9	103.5	5.7	34.2	26.9	10.7
SMDH 00030	813059.0	8193742.7	161.1	0	1	20	1268.4	2754.9	797.5	97.0	633.1	102.9	297.1	188.4	306.8	332.0	439.2	483.3	427.2	12.0	103.8	101.8	21.4
SMDH 00030	813059.0	8193742.7	161.1	1	2	50	3296.4	4465.5	2954.6	61.6	447.7	84.0	242.5	153.8	250.4	271.0	205.0	233.5	198.4	6.6	54.9	51.3	15.3
SMDH 00030	813059.0	8193742.7	161.1	2	3	40	3764.1	4710.0	3491.5	43.1	372.7	67.3	194.4	123.2	200.7	217.2	121.5	141.4	116.9	4.6	32.7	28.7	10.7
SMDH 00030	813059.0	8193742.7	161.1	3	4	60	1629.0	2859.6	1225.8	54.5	666.6	76.5	221.0	140.1	228.2	246.9	120.0	145.4	115.4	4.6	30.9	27.3	16.8
SMDH 00030	813059.0	8193742.7	161.1	4	5	60	2462.5	4264.4	1955.9	115.5	541.6	138.5	399.8	253.5	412.8	446.8	358.1	411.9	347.2	10.9	90.0	86.3	32.1
SMDH 00030	813059.0	8193742.7	161.1	5	6	85	2167.4	3419.0	1770.4	70.1	576.9	84.0	242.5	153.8	250.4	271.0	186.0	219.4	180.3	5.7	48.5	43.7	19.9
SMDH 00030	813059.0	8193742.7	161.1	6	7	80	1025.2	2239.1	588.2	61.2	772.7	68.5	197.8	125.4	204.2	221.0	156.1	184.3	150.3	5.7	39.1	36.4	18.4
SMDH 00030	813059.0	8193742.7	161.1	7	8	85	1174.1	2461.9	718.1	73.6	761.0	76.2	220.1	139.6	227.3	246.0	163.2	198.7	157.5	5.7	46.0	37.9	19.9
SMDH 00030	813059.0	8193742.7	161.1	8	9	98	1320.0	2915.7	837.6	100.7	608.1	114.8	331.5	210.2	342.3	370.5	233.6	280.8	223.8	9.7	67.5	57.7	26.0
SMDH 00030	813059.0	8193742.7	161.1	9	10	90	2100.1	4130.4	1371.0	250.4	748.2	147.6	426.3	270.3	440.2	476.4	437.1	553.9	411.9	25.2	139.3	107.0	64.3
SMDH 00030	813059.0	8193742.7	161.1	10	11	90	1578.9	3295.7	980.6	177.9	689.6	121.4	350.5	222.2	361.9	391.7	259.2	343.4	242.9	16.3	90.4	63.9	45.9
SMDH 00030	813059.0	8193742.7	161.1	11	12	75	1464.7	3375.6	825.1	148.1	853.5	129.9	375.0	237.8	387.2	419.1	224.0	293.8	211.9	12.0	70.6	55.7	44.4
SMDH 00030	813059.0	8193742.7	161.1	12	13	95	1870.7	3929.2	1293.4	89.1	769.1	149.0	430.4	272.9	444.4	480.9	161.8	203.5	155.2	6.6	43.5	39.6	30.6
SMDH 00030	813059.0	8193742.7	161.1	13	14	90	1519.5	3279.8	950.0	116.4	787.0	119.6	345.4	219.0	356.6	385.9	296.3	349.8	284.3	12.0	74.6	67.3	32.1
SMDH 00030	813059.0	8193742.7	161.1	14	15	96	1866.3	4117.1	1241.2	102.1	801.6	165.4	477.5	302.7	493.0	533.6	384.0	431.8	376.2	7.7	86.0	91.6	33.7
SMDH 00030	813059.0	8193742.7	161.1	15	15.5	90	1922.6	3675.5	1391.1	98.8	716.9	123.1	355.6	225.5	367.2	397.4	521.1	566.1	511.0	10.1	115.6	125.3	29.1
SMDH 00029b	813118.0	8193744.6	160.2	0	1	40	1275.0	2377.6	806.9	87.9	843.6	53.6	154.8	98.1	159.8	172.9	470.1	509.8	458.1	12.1	110.9	111.5	16.8
SMDH 00029b	813118.0	8193744.6	160.2	1	2	35	1428.7	2796.7	906.3	106.6	843.3	78.9	227.7	144.4	235.1	254.5	405.2	453.9	392.0	13.2	104.5	99.7	23.0
SMDH 00029b	813118.0	8193744.6	160.2	2	3	50	993.7	1764.6	665.6	68.0	568.5	38.8	112.0	71.0	115.6	125.1	296.9	328.4	288.3	8.6	78.7	74.4	12.2
SMDH 00029b	813118.0	8193744.6	160.2	3	4	40	1237.9	2055.0	890.9	91.3	530.0	45.5	131.4	83.3	135.7	146.8	497.3	539.1	484.3	12.9	128.3	126.2	13.8
SMDH 00029b	813118.0	8193744.6	160.2	4	5	80	1789.1	3747.6	1198.0	150.5	645.0	147.1	424.7	269.3	438.5	474.6	500.8	570.5	483.3	17.4	138.4	125.9	32.1
SMDH 00029b	813118.0	8193744.6	160.2	5	6	90	1683.6	3969.6	1091.8	106.1	649.2	178.0	513.9	325.8	530.6	574.2	418.6	468.0	408.9	9.7	102.2	103.7	30.6
SMDH 00029b	813118.0	8193744.6	160.2	6	7	65	1882.7	3962.7	1293.9	140.7	612.7	160.6	463.7	294.0	478.8	518.2	479.7	544.5	464.3	15.4	121.0	114.4	35.2
SMDH 00029b	813118.0	8193744.6	160.2	7	8	65	1859.9	3807.8	1263.9	138.8	710.7	142.1	410.2	260.1	423.6	458.4	409.4	473.9	395.1	14.3	111.5	101.8	35.2
SMDH 00029b	813118.0	8193744.6	160.2	8	9	50	1822.1	3604.2	1263.1	151.5	610.5	132.4	382.3	242.4	394.7	427.2	405.7	475.7	388.2	17.4	117.4	100.5	33.7
SMDH 00029b	813118.0	8193744.6	160.2	9	10	95	1890.6	3723.4	1315.1	146.5	664.3	133.9	386.8	245.2	399.4	432.2	436.3	504.0	418.8	17.4	125.2	108.9	30.6
SMDH 00029b	813118.0	8193744.6	160.2	10	11	50	1873.4	3991.5	1240.3	133.9	780.2	154.0	444.8	282.0	459.2	497.0	424.5	486.2	409.1	15.4	116.8	105.9	30.6
SMDH 00029b	813118.0	8193744.6	160.2	11	12	95	1651.4	3424.2	1079.0	135.5	722.5	124.7	360.1	228.3	371.8	402.4	389.9	452.9	374.5	15.4	110.4	95.8	29.1
SMDH 00029b	813118.0	8193744.6	160.2	12	13	85	1733.5	3437.9	1130.8	154.1	798.6	113.6	327.9	207.9	338.6	366.4	425.4	497.8	411.1	14.3	113.3	102.6	41.3
SMDH 00028b	813234.4	8193744.8	159.9	0	1	30	1339.9	2357.3	909.7	102.8	693.4	54.6	157.7	100.0	162.8	176.3	470.5	517.4	454.9	15.6	126.7	115.6	12.2
SMDH 00028b	813234.4	8193744.8	159.9	1	2	60	2599.3	4061.9	2114.0	132.2	568.9	104.5	301.8	191.4	311.7	337.3	318.3	380.5	305.1	13.2	92.6	78.2	32.1
SMDH 00028b	813234.4	8193744.8	159.9	2	3	40	2537.0	3550.0	2231.4	71.9	354.4	74.8	216.0	137.0	223.1	241.4	154.3	187.6	147.7	6.6	42.0	36.9	21.4
SMDH 00028b	813234.4	8193744.8	159.9	3	4	70	2659.3	4094.3	2194.1	108.1	597.3	100.2	289.3	183.4	298.7	323.3	249.1	299.7	239.3	9.7	67.5	59.0	30.6
SMDH 00028b	813234.4	8193744.8	159.9	4	5	75	2181.9	3466.2	1775.5	87.6	531.4	89.8	259.5	164.5	267.9	289.9	212.8	253.9	205.4	7.5	55.6	49.4	26.0
SMDH 00028b	813234.4	8193744.8	159.9	5	6	80	2026.0	4317.0	1485.5	164.0	249.7	202.7	585.4	371.2	604.4	654.2	102.6	180.4	90.6	12.0	48.9	26.9	52.0
SMDH 00028b	813234.4	8193744.8	159.9	6	7	90	1940.0	4419.7	1349.1	191.1	242.4	221.1	638.5	404.8	659.2	713.5	113.3	204.8	101.3	12.0	58.4	35.7	64.3
SMDH 00028b	813234.4	8193744.8	159.9	7	8	80	2464.7	4353.8	2022.7	127.8	219.2	166.3	480.4	304.6	496.0	536.8	104.4	165.0	93.5	10.9	49.8	28.3	35.2
SMDH 00028b	813234.4	8193744.8	159.9	8	8.5	20	1858.5	2398.7	1669.3	71.7	163.5	41.4	119.7	75.9	123.5	133.7	83.4	117.2	74.4	9.0	44.0	23.3	10.7
SMDH 00028	813293.1	8193739.4	160.2	0	1	25	814.2	1434.8	548.4	65.3	425.7	33.2	95.7	60.7	98.8	107.0	317.3	347.3	308.4	8.9	80.7	77.1	10.7
SMDH 00028	813293.1	8193739.4	160.2	1	2	60	1909.4	4032.0	1194.4	156.0	995.2	141.4	408.3	258.9	421.6	456.3	643.6	715.6	621.6	22.0	176.8	159.1	21.4
SMDH 00028	813293.1	8193739.4	160.2	2	3	50	2552.9	4052.4	2083.5	92.4	638.1	103.8	299.8	190.1	309.6	335.1	440.4	482.9	428.4	12.0	111.3	108.3	16.8
SMDH 00028	813293.1	8193739.4	160.2	3	4	45	4165.4	5503.6	3772.1	78.8	489.5	97.5	281.6	178.6	290.8	314.7	293.3	328.7	282.4	10.9	75.8	70.3	15.3
SMDH 00028	813293.1	8193739.4	160.2	4	5	50	2680.1	4232.4	2222.2	84.0	601.2	111.1	320.8	203.4	331.2	358.5	339.0	377.2	328.1	10.9	85.1	80.2	16.8
SMDH 00028	813293.1	8193739.4	160.2	5	6	75	2341.0	3717.7	1933.8	82.5	507.8	100.1	289.0	183.2	298.4	322.9	342.8	381.3	334.2	8.6	84.7	81.6	19.9
SMDH 00028	813293.1	8193739.4	160.2	6	7	85	2326.8	3509.8	1980.9	55.7	476.9	83.5	241.2	152.9	249.1	269.6	291.0	317.4	286.2	4.9	69.3	73.4	15.3
SMDH 00027b	813377.3	8193734.7	160.6	0	1	50	2157.8	4045.6	1544.6	131.5	829.1	129.2	372.9	236.5	385.1	416.8	492.1	553.6	475.5	16.6	138.5	122.9	21.4
SMDH 00027b	813377.3	8193734.7	160.6	1	2	20	1799.9	2657.3	1508.9	83.0	337.3	61.0	176.3	111.8	182.0	197.0	301.4	340.2	290.6	10.8	88.1	75.8	12.2
SMDH 00027b	813377.3	8193734.7	160.6	2	3	70	1866.0	3628.3	1317.1	155.4	569.4	133.0	384.1	243.5	396.6	429.2	327.9	401.1	310.5	17.4	110.9	85.2	30.6
SMDH 00027b	813377.3	8193734.7	160.6	3	4	85	2514.8	4580.9	1827.5	184.8	817.4	146.8	424.0	268.8	437.8	473.8	391.0	476.3	367.0	24.0	133.1	99.7	32.1
SMDH 00027b	813377.3	8193734.7	160.6	4	5	98	1984.2	4156.7	1327.0	128.1	862.2	154.2	445.3	282.4	459.8	497.7	449.6	510.0	436.4	13.2	121.7	113.0	29.1
SMDH 00027b	813377.3	8193734.7	160.6	5	6	90	2141.2	4095.6	1539.7	117.1	806.3	136.9	395.3	250.6	408.1	441.7	532.0	586.8	518.9	13.2	129.9	127.0	24.5
SMDH 00029	813181.3	8193750.9	160.2	0	1	20	1669.6	2753.7	1068.1	175.9	1017.5	41.3	119.2	75.6	123.0	133.2	542.5	631.1	523.5	19.1	187.6	140.2	13.8
SMDH 00029	813181.3	8193750.9	160.2	1	2	75	1529.4	2995.9	1090.0	91.0	550.3	106.0	306.2	194.1	316.1	342.1	321.3	363.5	310.4	10.9	82.9	75.5	18.4
SMDH 00029	813181.3	8193750.9	160.2	2	3	70	2074.5	3719.0	1603.3	97.7	554.2	122.7	354.4	224.7	365.9	396.0	386.7	431.3	374.7	12.0	97.3	94.7	21.4
SMDH 00029	813181.3	8193750.9	160.2	3	4	85	1840.4	3444.7	1382.4	105.0	499.5	122.2	353.0	223.8	364.4	394.4	334.3	383.8	322.3	12.0	89.8	77.5	19.9
SMDH 00029	813181.3	8193750.9	160.2	4	5	95	1652.0	3232.0	1163.4	133.1	520.7	118.6	342.6	217.2	353.7	382.8	330.0	392.6	314.5	15.5	99.5	78.3	24.5
SMDH 00029	813181.3	8193750.9	160.2	5	6	98	1800.9	3610.7	1238.1	122.0	718.4	128.5	370.9	235.2	383.0	414.5	407.6	464.8	393.3	14.3	107.2	93.8	23.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00029	813181.3	8193750.9	160.2	6	7	90	1488.1	3168.1	1006.8	82.5	628.9	121.6	351.0	222.6	362.4	392.3	353.2	391.7	344.6	8.6	81.2	81.4	19.9
SMDH 00029	813181.3	8193750.9	160.2	7	8	50	1453.8	3157.0	989.7	82.1	556.7	128.2	370.1	234.6	382.1	413.5	317.5	355.8	308.9	8.6	75.2	73.4	19.9
SMDH 00029	813181.3	8193750.9	160.2	8	9	75	1577.1	3373.7	1096.6	85.8	557.1	137.0	395.7	250.9	408.5	442.1	328.2	368.8	319.6	8.6	79.8	76.7	19.9
SMDH 00029	813181.3	8193750.9	160.2	9	10	95	1579.5	3520.3	1014.7	131.9	625.9	146.5	423.2	268.3	436.9	472.9	382.2	443.4	366.7	15.5	104.2	90.8	27.6
SMDH 00029	813181.3	8193750.9	160.2	10	11	95	1523.2	3532.8	910.6	141.2	732.1	146.6	423.4	268.5	437.2	473.2	358.0	423.4	342.5	15.5	104.7	90.9	33.7
SMDH 00029	813181.3	8193750.9	160.2	11	12	90	1517.6	3415.7	954.0	138.9	616.9	143.0	413.0	261.9	426.4	461.5	348.2	412.9	332.7	15.5	108.2	91.6	30.6
SMDH 00027	813413.8	8193738.6	160.4	0	1	45	2091.5	4414.9	1247.7	231.9	1089.3	154.8	446.9	283.4	461.5	499.4	683.1	789.7	652.2	30.9	204.7	173.7	39.8
SMDH 00027	813413.8	8193738.6	160.4	1	2	35	1991.7	3895.1	1340.8	175.9	797.0	132.6	382.9	242.8	395.3	427.8	597.2	679.3	576.3	20.9	171.2	152.3	33.7
SMDH 00027	813413.8	8193738.6	160.4	2	3	45	2257.3	4511.7	1547.0	152.2	927.5	158.0	456.4	289.4	471.2	510.0	600.4	671.2	583.8	16.6	155.0	149.1	35.2
SMDH 00027	813413.8	8193738.6	160.4	3	4	65	2063.0	4290.0	1375.8	153.6	852.2	160.0	462.0	293.0	477.1	516.3	554.9	627.1	539.4	15.5	146.7	139.0	36.7
SMDH 00027	813413.8	8193738.6	160.4	4	5	60	2274.9	4601.0	1551.7	180.8	835.6	170.4	492.2	312.1	508.2	550.0	688.2	771.8	666.4	21.8	184.8	172.2	36.7
SMDH 00027	813413.8	8193738.6	160.4	5	6	60	1789.3	3904.5	1177.1	98.8	833.2	150.5	434.7	275.6	448.8	485.8	385.3	431.3	375.5	9.7	96.5	94.4	26.0
SMDH 00027	813413.8	8193738.6	160.4	6	7	70	1727.4	3768.7	1116.2	130.0	752.2	148.4	428.6	271.8	442.6	479.0	444.5	505.1	430.2	14.3	109.2	100.8	29.1
SMDH 00027	813413.8	8193738.6	160.4	7	8	95	2039.2	4155.4	1348.1	174.5	844.3	150.0	433.0	274.6	447.1	483.9	559.2	638.3	535.2	24.0	156.9	138.7	32.1
SMDH 00027	813413.8	8193738.6	160.4	8	9	80	2518.2	5044.9	1517.3	364.7	1078.8	174.7	504.6	319.9	521.0	563.9	630.4	797.3	580.1	50.3	232.3	157.6	59.7
SMDH 00026b	813472.7	8193743.5	160.4	0	1	35	1548.7	3117.4	951.2	156.1	838.4	98.2	283.7	179.9	292.9	317.0	527.9	600.2	506.2	21.7	153.9	130.1	21.4
SMDH 00026b	813472.7	8193743.5	160.4	1	2	50	1427.5	2885.3	953.4	118.8	579.3	103.4	298.7	189.4	308.4	333.8	358.9	413.5	343.4	15.5	106.2	90.7	21.4
SMDH 00026b	813472.7	8193743.5	160.4	2	3	40	1425.4	2797.2	951.2	139.8	545.3	97.3	281.1	178.2	290.2	314.1	346.5	411.1	327.9	18.6	112.2	87.4	23.0
SMDH 00026b	813472.7	8193743.5	160.4	3	4	85	2099.0	4149.6	1400.3	187.4	857.3	142.9	412.7	261.7	426.1	461.2	527.1	612.5	500.8	26.3	157.8	130.6	30.6
SMDH 00026b	813472.7	8193743.5	160.4	4	5	80	1577.7	3079.3	1029.0	161.9	672.3	102.0	294.4	186.7	304.0	329.0	480.6	553.4	456.6	24.0	144.1	116.9	26.0
SMDH 00026b	813472.7	8193743.5	160.4	5	6	80	1421.2	2637.2	972.1	134.3	550.2	82.2	237.4	150.5	245.1	265.3	464.0	525.5	446.3	17.8	134.3	117.2	24.5
SMDH 00026b	813472.7	8193743.5	160.4	6	7	95	1791.9	3520.5	1149.2	181.1	833.8	113.7	328.4	208.2	339.1	367.0	565.8	648.6	540.6	25.2	168.4	139.8	29.1
SMDH 00026b	813472.7	8193743.5	160.4	7	8	50	1851.4	3666.7	1222.9	180.6	741.6	127.6	368.4	233.6	380.4	411.7	556.3	638.9	531.1	25.2	164.7	136.4	29.1
SMDH 00026b	813472.7	8193743.5	160.4	8	9	50	1709.4	3273.0	1138.8	163.5	716.0	105.2	303.8	192.6	313.6	339.5	542.7	618.6	522.6	20.1	152.0	130.6	30.6
SMDH 00026b	813472.7	8193743.5	160.4	9	10	80	1988.0	3857.6	1321.8	211.7	739.1	132.9	383.7	243.3	396.2	428.8	641.5	737.5	610.6	30.9	192.5	156.7	32.1
SMDH 00026b	813472.7	8193743.5	160.4	10	11	75	2152.6	4079.2	1486.6	163.2	886.7	129.3	373.5	236.8	385.7	417.4	609.3	684.5	588.1	21.2	165.5	147.1	29.1
SMDH 00026b	813472.7	8193743.5	160.4	11	11.5	50	1977.1	3397.7	1362.3	121.6	1098.9	68.3	197.3	125.1	203.7	220.5	410.4	470.6	398.6	11.8	122.6	101.6	18.4
SMDH 00026	813544.0	8193747.5	161.0	0	1	35	1502.1	2949.9	944.7	151.3	768.7	91.0	262.7	166.6	271.3	293.6	535.5	606.3	517.7	17.8	142.5	128.6	29.1
SMDH 00026	813544.0	8193747.5	161.0	1	2	15	2043.2	3597.8	1502.9	163.7	609.5	110.8	320.0	202.9	330.4	357.6	465.5	541.9	445.7	19.8	136.1	112.4	30.6
SMDH 00026	813544.0	8193747.5	161.0	2	3	45	2492.1	4329.4	1845.6	186.8	773.8	127.7	368.8	233.8	380.8	412.1	490.9	576.3	466.9	24.0	148.3	124.3	36.7
SMDH 00026	813544.0	8193747.5	161.0	3	4	90	2594.8	4324.7	1989.0	196.4	643.6	125.4	362.2	229.6	373.9	404.7	460.9	552.0	435.7	25.2	152.4	116.4	33.7
SMDH 00026	813544.0	8193747.5	161.0	4	5	95	2183.8	3950.0	1529.2	211.5	748.2	122.5	353.8	224.3	365.3	395.3	525.8	623.5	498.4	27.5	166.4	130.7	36.7
SMDH 00026	813544.0	8193747.5	161.0	5	6	90	2404.3	4456.9	1650.8	223.6	923.8	139.1	401.6	254.6	414.6	448.8	622.5	725.3	595.0	27.5	183.2	156.8	45.9
SMDH 00026	813544.0	8193747.5	161.0	6	7	90	2290.4	4204.5	1649.6	183.1	728.6	137.8	397.8	252.2	410.8	444.6	585.9	670.9	565.0	20.9	159.9	143.8	39.8
SMDH 00026	813544.0	8193747.5	161.0	7	8	85	2593.5	5110.2	1767.3	210.7	1008.4	178.1	514.2	326.0	530.9	574.6	797.7	893.2	771.3	26.4	209.1	201.3	47.5
SMDH 00026	813544.0	8193747.5	161.0	8	9	90	2570.8	4918.7	1877.7	141.3	858.8	171.1	494.1	313.3	510.2	552.2	707.9	772.0	691.3	16.6	151.7	150.5	35.2
SMDH 00026	813544.0	8193747.5	161.0	9	10	95	2734.0	4787.6	2089.4	177.6	694.4	153.1	442.1	280.3	456.5	494.1	683.4	763.8	660.2	23.2	163.0	145.4	36.7
SMDH 00026	813544.0	8193747.5	161.0	10	11	70	2620.3	5117.6	1818.2	166.1	1092.4	171.1	494.1	313.3	510.2	552.2	822.3	897.9	802.2	20.1	181.1	176.4	38.3
SMDH 00026	813544.0	8193747.5	161.0	11	12	90	2604.4	5346.4	1805.8	142.0	1047.5	197.1	569.2	360.9	587.7	636.1	798.1	863.2	782.6	15.5	166.3	170.3	36.7
SMDH 00025b	813597.8	8193746.6	162.0	0	1	45	1322.8	2521.1	899.1	105.0	572.8	79.2	228.6	144.9	236.0	255.4	407.1	454.3	392.8	14.3	98.7	88.9	21.4
SMDH 00025b	813597.8	8193746.6	162.0	1	2	55	1300.5	2703.4	858.6	123.9	471.3	104.8	302.6	191.8	312.4	338.1	466.3	522.3	449.7	16.6	118.4	105.4	24.5
SMDH 00025b	813597.8	8193746.6	162.0	2	3	85	1569.6	2976.0	1124.1	113.5	520.1	102.1	295.0	187.0	304.6	329.6	538.9	590.5	524.6	14.3	117.5	112.5	24.5
SMDH 00025b	813597.8	8193746.6	162.0	3	4	90	1754.4	3339.4	1259.7	118.1	594.9	114.6	330.9	209.8	341.6	369.8	479.1	534.5	465.9	13.2	107.4	95.0	24.5
SMDH 00025b	813597.8	8193746.6	162.0	4	5	85	1154.8	2451.3	837.2	77.0	241.4	108.6	313.7	198.9	323.9	350.5	257.8	289.5	244.7	13.2	74.7	72.8	18.4
SMDH 00025b	813597.8	8193746.6	162.0	5	6	98	1468.6	2688.1	1032.5	115.0	571.6	81.2	234.6	148.7	242.2	262.1	396.8	449.9	383.6	13.2	118.7	110.3	26.0
SMDH 00025b	813597.8	8193746.6	162.0	6	7	85	1553.1	2821.5	1078.8	128.4	637.8	81.9	236.4	149.9	244.1	264.2	429.1	488.0	412.5	16.6	135.1	119.6	24.5
SMDH 00025b	813597.8	8193746.6	162.0	7	7.5	70	1472.1	2733.5	1003.2	129.8	616.4	82.5	238.3	151.1	246.0	266.3	399.0	459.5	384.7	14.3	118.3	105.7	29.1
SMDH 00025	813653.7	8193749.5	163.2	0	1	20	1131.9	2224.4	709.8	96.1	651.1	64.3	185.8	117.8	191.8	207.6	449.2	492.4	434.9	14.3	126.4	119.3	15.3
SMDH 00025	813653.7	8193749.5	163.2	1	2	35	850.1	1689.4	535.3	78.7	448.3	52.6	151.8	96.3	156.7	169.6	292.9	327.3	280.9	12.0	84.0	78.0	15.3
SMDH 00025	813653.7	8193749.5	163.2	2	3	90	1325.0	2535.6	895.2	119.5	536.8	82.5	238.3	151.1	246.0	266.3	431.7	486.0	416.3	15.5	128.3	119.0	24.5
SMDH 00025	813653.7	8193749.5	163.2	3	4	95	1329.9	2493.5	880.7	150.9	515.8	79.3	229.1	145.2	236.5	256.0	432.6	500.2	410.9	21.8	137.4	117.5	27.6
SMDH 00025	813653.7	8193749.5	163.2	4	5	98	1130.0	2096.8	784.1	96.3	435.1	65.5	189.2	119.9	195.3	211.4	333.1	376.5	321.1	12.0	83.0	79.3	23.0
SMDH 00025	813653.7	8193749.5	163.2	5	6	85	1247.0	2436.6	803.0	141.6	518.1	81.7	235.8	149.5	243.4	263.5	356.1	422.3	339.5	16.6	95.4	76.0	27.6
SMDH 00025	813653.7	8193749.5	163.2	6	7	90	1288.2	2275.7	910.4	137.5	391.0	70.2	202.6	128.5	209.2	226.4	382.9	445.7	364.0	18.9	112.9	92.1	23.0
SMDH 00025	813653.7	8193749.5	163.2	7	8	90	1481.4	2729.6	967.2	180.1	604.9	82.0	236.7	150.1	244.4	264.5	418.7	498.9	391.2	27.5	136.9	106.2	29.1
SMDH 00025	813653.7	8193749.5	163.2	8	9	98	1694.2	3251.1	1138.1	168.4	648.6	108.7	313.8	198.9	324.0	350.6	483.9	560.8	462.7	21.2	139.0	120.7	35.2
SMDH 00025	813653.7	8193749.5	163.2	9	10	94	1469.7	2677.9	974.1	175.6	572.7	80.1	231.3	146.7	238.8	258.5	417.4	498.4	394.5	22.9	131.5	101.4	30.6
SMDH 00025	813653.7	8193749.5	163.2	10	11	95	2562.2	4411.6	1924.6	167.5	805.6	126.9	366.6	232.4	378.5	409.6	536.4	612.6	512.4	24.0	150.9	127.2	26.0
SMDH 00025	813653.7	8193749.5	163.2	11	11.5	80	1635.0	3258.9	1076.4	146.3	705.5	111.6	322.2	204.3	332.6	360.0	485.7	552.9	466.0	19.7	137.7	119.6	24.5
SMDH 00024b	813718.8	8193745.2	165.1	0	1	35	2160.6	3992.0	1384.8	194.4	1218.9	100.1	289.0	183.3	298.4	323.0	897.0	984.1	865.0	32.0	235.9	217.1	21.4
SMDH 00024b	813718.8	8193745.2	165.1	1	2	45	1488.9	3196.4	974.6	91.9	701.9	119.7	345.8	219.2	357.0	386.4	462.8	505.2	451.9	10.9	109.3	110.9	19.9
SMDH 00024b	813718.8	8193745.2	165.1	2	3	40	1653.6	3170.4	1246.7	83.2	435.9	117.8	340.1	215.6	351.1	380.0	447.7	485.1	436.8	10.9	104.7	107.2	18.4
SMDH 00024b	813718.8	8193745.2	165.1	3	4	65	1175.6	2035.4	949.9	52.5	209.7	69.0	199.3	126.4	205.8	222.7	287.8	312.2	282.1	5.7	66.9	69.5	12.2
SMDH 00024b	813718.8	8193745.2	165.1	4	5	50	1244.9	2452.9	890.9	83.3	394.2	90.9	262.6	166.5	271.1	293.4	335.0	372.3	323.0	12.0	86.8	80.0	15.3
SMDH 00024b	813718.8	8193745.2	165.1	5	6	95	1508.3	3053.6	1011.9	125.5	593.4	110.9	320.2	203.1	330.7	357.9	437.2	495.4	420.7	16.6	124.0	107.7	19.9
SMDH 00024b	813718.8	8193745.2	165.1	6	7	75	1284.6	3010.8	746.8	138.7	607.6	127.2	367.4	233.0	379.4	410.6	302.0	367.6	285.4	16.6	104.0	76.0	23.0
SMDH 00024b	813718.8	8193745.2	165.1	7	8	50	1626.1	4102.1	865.7	185.3	881.4	181.9	525.3	333.1	542.4	587.0	198.3	285.8	177.8	20.6	92.4	50.1	36.7
SMDH 00024b	813718.8	8193745.2	165.1	8	9	90	1326.3	2843.4	822.4	133.1	606.7	107.4	310.2	196.7	320.2	346.6	317.6	380.1	301.0	16.6	105.9	80.0	21.4
SMDH 00024b	813718.8	8193745.2	165.1	9	10	85	1276.4	2566.8	853.2	102.4	536.0	90.2	260.3	165.1	268.8	290.9	336.7	384.7	323.5	13.2	99.9	83.9	15.3
SMDH 00024b	813718.8	8193745.2	165.1	10	11	90	1303.6	2845.9	795.0	151.6	544.5	113.6	328.0	208.0	338.7	366.5	286.5	356.3	265.6	20.9	105.9	72.4	23.0
SMDH 00024b	813718.8	8193745.2	165.1	11	12	98	1909.0	3624.3	1357.3	135.2	676.3	122.0	352.4	223.4	363.9	393.8	401.1	464.1	384.5	16.6	118.4	100.4	24.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00024b	813718.8	8193745.2	165.1	12	13	95	2019.0	4264.1	1337.5	170.6	760.8	167.3	483.1	306.3	498.8	539.8	541.9	621.6	522.5	19.4	152.2	135.6	35.2
SMDH 00024b	813718.8	8193745.2	165.1	13	14	98	2318.6	6079.5	1179.8	94.1	1960.3	238.6	688.9	436.8	711.3	769.8	263.9	309.3	258.2	5.7	67.2	64.1	30.6
SMDH 00024b	813718.8	8193745.2	165.1	14	15	98	1953.8	3810.1	1329.4	156.5	794.1	128.3	370.5	234.9	382.5	414.0	616.5	688.8	596.8	19.8	162.6	150.5	29.1
SMDH 00024	813772.0	8193745.9	167.0	0	1	95	1497.7	3228.4	873.4	161.9	835.4	113.8	328.7	208.4	339.4	367.3	446.8	520.7	425.0	21.8	132.9	110.3	29.1
SMDH 00024	813772.0	8193745.9	167.0	1	2	60	1405.9	2659.6	967.6	142.1	464.4	91.0	262.8	166.6	271.4	293.7	356.4	422.3	337.7	18.6	117.1	90.8	23.0
SMDH 00024	813772.0	8193745.9	167.0	2	3	75	1382.5	2793.3	869.7	157.0	604.5	97.4	281.4	178.4	290.5	314.4	389.5	462.2	368.9	20.6	125.4	97.0	26.0
SMDH 00024	813772.0	8193745.9	167.0	3	4	50	2144.0	4056.0	1540.1	122.1	817.3	132.2	381.7	242.0	394.1	426.5	524.0	579.5	508.5	15.5	137.3	134.7	26.0
SMDH 00024	813772.0	8193745.9	167.0	4	5	80	2206.1	3939.6	1671.1	107.4	707.5	121.9	351.9	223.1	363.4	393.3	511.4	560.6	498.2	13.2	128.2	126.6	23.0
SMDH 00024	813772.0	8193745.9	167.0	5	6	90	2234.0	4353.2	1590.4	129.3	834.8	150.8	435.5	276.1	449.7	486.7	548.6	608.7	534.2	14.3	141.1	138.4	29.1
SMDH 00024	813772.0	8193745.9	167.0	6	7	95	2234.0	3612.3	1785.5	100.5	591.8	95.1	274.7	174.1	283.6	306.9	645.3	691.2	633.3	12.1	149.3	158.8	23.0
SMDH 00024	813772.0	8193745.9	167.0	7	8	80	2360.8	4004.9	1772.2	166.7	730.3	112.0	323.4	205.0	333.9	361.4	525.8	603.2	506.9	18.9	146.1	132.6	36.7
SMDH 00024	813772.0	8193745.9	167.0	8	9	90	2557.1	4175.2	2007.5	142.5	689.6	112.0	323.4	205.0	333.9	361.4	596.9	663.3	580.3	16.6	161.2	154.9	29.1
SMDH 00023b	813839.0	8193749.8	168.3	0	1	40	1835.4	3370.0	1292.3	119.5	790.1	97.9	282.8	179.3	292.0	316.0	557.5	612.0	543.1	14.3	138.2	140.7	27.6
SMDH 00023b	813839.0	8193749.8	168.3	1	2	35	1164.1	2341.4	713.5	100.6	697.1	69.6	201.0	127.4	207.5	224.6	401.3	451.1	392.4	8.8	112.9	102.5	18.4
SMDH 00023b	813839.0	8193749.8	168.3	2	3	50	1721.2	3523.0	1119.6	111.5	901.5	116.6	336.6	213.4	347.6	376.2	307.4	360.0	296.6	10.9	93.3	84.1	27.6
SMDH 00023b	813839.0	8193749.8	168.3	3	4	70	3503.0	5475.8	2946.5	88.5	737.1	142.8	412.5	261.5	425.9	460.9	359.5	400.2	350.9	8.6	86.5	90.4	26.0
SMDH 00023b	813839.0	8193749.8	168.3	4	5	65	3187.3	5105.6	2607.9	95.7	820.9	132.6	382.8	242.7	395.2	427.8	581.4	625.6	571.7	9.7	131.7	143.2	26.0
SMDH 00023b	813839.0	8193749.8	168.3	5	6	75	2694.1	4335.6	2202.6	92.3	649.7	116.6	336.8	213.5	347.7	376.4	438.1	481.1	429.5	8.6	98.1	102.2	26.0
SMDH 00023b	813839.0	8193749.8	168.3	6	7	80	3207.6	4238.6	2771.8	96.1	731.2	53.6	154.8	98.2	159.9	173.0	522.8	570.4	514.7	8.1	139.1	136.8	18.4
SMDH 00023b	813839.0	8193749.8	168.3	7	8	55	2296.2	4309.6	1676.5	118.5	838.3	140.5	405.8	257.3	419.0	453.5	469.8	525.5	458.9	10.9	117.4	116.7	32.1
SMDH 00023b	813839.0	8193749.8	168.3	8	9	80	2024.8	3617.8	1465.4	153.4	698.2	109.1	315.0	199.7	325.2	352.0	436.1	507.0	418.3	17.8	126.5	111.6	33.7
SMDH 00023b	813839.0	8193749.8	168.3	9	10	65	1695.4	3336.6	1105.1	162.6	753.2	110.3	318.6	202.0	328.9	356.0	448.6	523.3	427.7	20.9	131.0	110.5	30.6
SMDH 00023b	813839.0	8193749.8	168.3	10	11	80	1914.1	3291.6	1411.6	150.4	607.1	94.1	271.8	172.3	280.6	303.7	405.0	473.6	384.4	20.6	123.7	101.6	26.0
SMDH 00023b	813839.0	8193749.8	168.3	11	12	75	2030.5	3504.8	1476.2	170.2	676.5	99.1	286.2	181.4	295.5	319.8	412.0	488.8	388.0	24.0	128.4	103.4	30.6
SMDH 00023	813896.5	8193745.1	168.9	0	1	15	2072.5	4047.3	1200.5	150.0	1659.9	86.9	251.1	159.2	259.2	280.6	703.0	772.0	684.1	18.9	168.5	164.7	29.1
SMDH 00023	813896.5	8193745.1	168.9	1	2	20	1726.8	3677.3	1022.8	128.2	1140.2	116.2	335.6	212.8	346.5	375.0	521.2	580.3	506.8	14.3	134.0	133.4	30.6
SMDH 00023	813896.5	8193745.1	168.9	2	3	30	1552.8	3008.7	1103.2	91.5	590.7	102.6	296.2	187.8	305.8	331.0	449.2	490.4	437.2	12.0	119.8	123.2	19.9
SMDH 00023	813896.5	8193745.1	168.9	3	4	50	1866.6	3872.5	1229.4	117.7	908.6	135.5	391.4	248.2	404.2	437.4	627.3	680.6	611.8	15.4	164.4	170.5	24.5
SMDH 00023	813896.5	8193745.1	168.9	4	5	30	1719.8	3555.1	1163.3	72.7	862.3	122.1	352.7	223.6	364.2	394.2	509.0	542.6	501.3	7.7	119.5	131.9	18.4
SMDH 00023	813896.5	8193745.1	168.9	5	6	90	1640.1	3178.1	1192.8	83.3	572.0	111.5	322.0	204.2	332.5	359.8	540.4	578.5	530.3	10.0	180.9	189.2	18.4
SMDH 00023	813896.5	8193745.1	168.9	6	7	98	1752.7	3243.2	1339.3	88.3	454.0	114.2	329.7	209.0	340.4	368.4	590.4	629.2	578.4	12.0	175.0	190.9	21.4
SMDH 00023	813896.5	8193745.1	168.9	7	8	90	1070.5	2231.8	744.0	56.0	416.0	85.2	245.9	155.9	253.9	274.8	281.6	307.1	275.0	6.6	67.3	69.7	13.8
SMDH 00023	813896.5	8193745.1	168.9	8	9	95	2189.7	4427.3	1493.4	126.2	979.2	153.3	442.7	280.7	457.1	494.7	606.7	665.1	591.2	15.4	153.3	150.9	24.5
SMDH 00023	813896.5	8193745.1	168.9	9	10	94	1471.1	3010.6	1054.6	73.5	494.7	116.4	336.0	213.0	346.9	375.5	359.5	391.9	349.7	9.7	85.9	90.6	18.4
SMDH 00023	813896.5	8193745.1	168.9	10	11	90	1692.6	3276.9	1178.8	121.5	652.2	111.0	320.6	203.3	331.1	358.3	507.9	563.9	491.6	16.3	139.2	129.5	19.9
SMDH 00023	813896.5	8193745.1	168.9	11	12	95	1741.3	3547.1	1171.5	111.4	784.2	124.1	358.3	227.2	370.0	400.4	481.2	532.3	466.9	14.3	128.2	123.9	21.4
SMDH 00023	813896.5	8193745.1	168.9	12	13	98	1550.6	3115.9	1075.6	83.5	658.5	108.8	314.3	199.3	324.5	351.3	419.1	457.6	409.3	9.7	105.9	108.0	18.4
SMDH 00023	813896.5	8193745.1	168.9	13	14	90	2023.2	3988.7	1441.2	113.9	741.6	141.9	409.7	259.7	423.0	457.8	483.1	536.1	471.0	12.0	121.7	121.8	27.6
SMDH 00022b	813953.8	8193744.1	169.4	0	1	20	1720.1	2743.7	1191.5	149.8	876.8	44.1	127.2	80.7	131.4	142.2	730.3	805.0	714.7	15.7	203.6	184.7	16.8
SMDH 00022b	813953.8	8193744.1	169.4	1	2	45	1294.6	2798.3	850.4	87.5	562.2	108.8	314.3	199.3	324.5	351.3	535.9	576.8	527.3	8.6	124.5	135.4	23.0
SMDH 00022b	813953.8	8193744.1	169.4	2	3	80	1272.2	2205.9	966.7	68.8	404.2	64.2	185.5	117.6	191.5	207.3	330.6	362.6	322.0	8.6	85.8	82.6	12.2
SMDH 00022b	813953.8	8193744.1	169.4	3	4	50	3044.3	5300.0	2335.2	151.1	926.8	158.2	456.8	289.7	471.7	510.5	673.1	743.4	655.4	17.7	177.5	173.5	30.6
SMDH 00022b	813953.8	8193744.1	169.4	4	5	75	2119.0	3761.2	1573.3	134.0	694.5	114.0	329.1	208.7	339.8	367.8	578.4	639.9	561.8	16.6	155.6	153.5	27.6
SMDH 00022b	813953.8	8193744.1	169.4	5	6	95	2536.8	4171.7	1946.1	186.4	670.9	114.7	331.3	210.0	342.0	370.2	687.9	772.9	662.7	25.1	192.7	178.0	33.7
SMDH 00022b	813953.8	8193744.1	169.4	6	7	90	2454.4	4287.5	1807.2	206.2	708.0	131.3	379.2	240.4	391.5	423.7	618.0	712.0	591.7	26.3	182.0	164.3	42.9
SMDH 00022b	813953.8	8193744.1	169.4	7	8	85	3681.1	4817.0	2735.6	664.5	466.5	79.7	230.1	145.9	237.6	257.1	1521.8	1815.6	1417.8	103.9	482.8	377.7	108.7
SMDH 00022b	813953.8	8193744.1	169.4	8	9	95	3177.0	4836.9	2500.7	273.0	655.2	118.0	340.9	216.1	352.0	380.9	872.2	995.1	833.4	38.9	256.9	226.7	49.0
SMDH 00022b	813953.8	8193744.1	169.4	9	10	95	2597.3	4052.2	1821.8	359.4	802.0	89.6	258.8	164.1	267.2	289.2	865.7	1028.4	816.5	49.1	263.4	211.4	67.4
SMDH 00022	814011.5	8193744.4	169.8	0	1	15	1668.5	2954.7	1033.6	215.4	896.3	67.9	196.0	124.2	202.3	219.0	641.5	749.3	620.9	20.6	208.5	162.0	29.1
SMDH 00022	814011.5	8193744.4	169.8	1	2	25	1582.2	2910.7	993.9	236.4	630.3	88.0	254.3	161.2	262.5	284.1	583.3	701.4	562.3	20.9	193.6	142.5	38.3
SMDH 00022	814011.5	8193744.4	169.8	2	3	25	1684.4	3843.3	1029.6	144.8	799.1	156.8	452.7	287.0	467.4	505.9	613.2	676.3	592.3	20.9	156.8	159.4	33.7
SMDH 00022	814011.5	8193744.4	169.8	3	4	25	2829.7	4481.7	2254.9	161.0	697.1	114.7	331.4	210.1	342.1	370.3	518.0	593.2	500.2	17.8	147.4	133.8	35.4
SMDH 00022	814011.5	8193744.4	169.8	4	5	45	1998.1	3066.5	1605.6	81.4	608.8	64.6	186.6	118.3	192.7	208.5	359.6	397.4	350.9	8.7	25.3	29.2	19.6
SMDH 00022	814011.5	8193744.4	169.8	5	6	90	2012.7	3364.5	1522.4	129.6	650.8	89.0	257.1	163.0	265.4	287.3	518.2	577.7	501.5	16.7	121.7	106.4	24.5
SMDH 00022	814011.5	8193744.4	169.8	6	7	98	1820.6	2973.4	1385.7	115.2	599.5	73.2	211.4	134.0	218.3	236.2	462.7	515.4	447.8	14.9	107.7	94.9	22.2
SMDH 00021b	814074.0	8193746.6	169.6	0	1	60	1248.8	3013.3	654.5	103.6	921.9	111.8	322.8	204.7	333.3	360.7	432.7	480.6	421.1	11.7	91.7	83.1	24.0
SMDH 00021b	814074.0	8193746.6	169.6	1	2	55	1165.2	2769.3	658.2	97.8	703.8	109.8	317.0	201.0	327.4	354.3	437.4	482.8	428.3	9.2	83.4	82.3	28.5
SMDH 00021b	814074.0	8193746.6	169.6	2	3	80	963.3	2224.8	563.4	73.8	569.1	85.4	246.6	156.3	254.6	275.5	376.2	409.6	367.6	8.6	72.6	73.7	19.0
SMDH 00021b	814074.0	8193746.6	169.6	3	4	95	1080.9	2798.3	544.3	85.9	799.5	114.7	331.4	210.1	342.1	370.3	357.6	397.2	348.3	9.3	72.3	66.9	21.3
SMDH 00021b	814074.0	8193746.6	169.6	4	5	75	1633.0	3310.7	1076.0	121.1	764.8	113.1	326.6	207.1	337.2	364.9	678.3	732.9	661.5	16.8	138.6	132.3	22.8
SMDH 00021b	814074.0	8193746.6	169.6	5	6	5	2410.9	4021.4	1792.9	187.9	776.7	106.0	306.0	194.0	316.0	342.0	601.9	690.6	578.4	23.4	168.0	131.2	28.5
SMDH 00021b	814074.0	8193746.6	169.6	6	7	90	2292.2	4334.7	1596.7	147.5	994.2	133.8	386.5	245.0	399.0	431.9	650.0	718.7	633.6	16.4	152.1	142.0	32.9
SMDH 00021b	814074.0	8193746.6	169.6	7	8	20	1668.2	3405.7	1112.9	113.7	756.3	119.3	344.5	218.4	355.7	384.9	614.0	667.7	602.3	11.7	136.8	133.0	25.6
SMDH 00021b	814074.0	8193746.6	169.6	8	9	65	1812.3	3722.0	1165.6	170.2	799.5	133.0	384.1	243.6	396.6	429.3	614.5	697.4	606.1	8.4	180.0	198.6	59.1
SMDH 00021b	814074.0	8193746.6	169.6	9	9.5	70	1640.4	2839.2	1235.9	77.3	604.0	77.3	223.2	141.5	230.5	249.5	361.2	397.9	353.4	7.8	84.9	79.0	17.1
SMDH 00021	814134.3	8193753.1	168.9	0	1	20	1393.4	2793.0	772.9	143.3	1050.9	69.2	200.0	126.8	206.5	223.4	474.1	545.1	460.6	13.5	138.4	113.2	23.0
SMDH 00021	814134.3	8193753.1	168.9	1	2	20	849.3	1919.6	470.2	78.4	570.7	67.1	193.8	122.9	200.1	216.6	252.9	290.2	244.6	8.3	89.0	83.6	15.3
SMDH 00021	814134.3	8193753.1	168.9	2	3	90	1331.4	3262.4	738.6	83.0	910.4	128.3	370.5	234.9	382.6	414.1	245.9	285.9	239.1	6.8	65.3	55.5	21.1
SMDH 00021	814134.3	8193753.1	168.9	3	4	80	3795.3	5929.9	3035.4	191.9	1022.1	140.9	406.9	258.0	420.1	454.7	782.6	872.1	760.7	21.9	177.5	157.6	40.6
SMDH 00021	814134.3	8193753.1	168.9	4	5	45	3328.7	5178.5	2793.8	96.1	691.4	133.9	386.7	245.2	399.3	432.1	609.8	654.4	598.8	11.0	132.5	128.8	20.8
SMDH 00021	814134.3	8193753.1	168.9	5	6	95	2091.0	3861.7	1599.9	65.3	682.8	126.9	366.5	232.4	378.4	409.5	539.0	569.6	533.0	6.1	108.8	114.9	17.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00021	814134.3	8193753.1	168.9	6	7	55	2360.5	4589.3	1752.2	64.3	888.8	158.0	456.1	289.2	471.0	509.7	721.1	751.3	715.4	5.7	138.8	151.0	18.1
SMDH 00021	814134.3	8193753.1	168.9	7	8	95	2319.2	3997.3	1850.8	82.7	582.6	124.2	358.6	227.4	370.3	400.8	445.7	484.7	436.9	8.9	102.9	95.5	17.5
SMDH 00020b	814191.0	8193755.4	167.9	0	1	35	823.7	1690.6	486.4	58.5	590.0	46.6	134.5	85.3	138.9	150.3	292.5	319.9	285.5	7.0	65.6	58.2	10.6
SMDH 00020b	814191.0	8193755.4	167.9	1	2	70	771.4	1692.5	475.4	76.1	349.5	66.4	191.6	121.5	197.9	214.1	301.1	337.4	292.8	8.3	81.0	70.0	13.8
SMDH 00020b	814191.0	8193755.4	167.9	2	3	80	1366.9	2519.0	930.4	149.5	480.8	80.3	232.0	147.1	239.6	259.3	542.6	612.9	522.7	19.9	153.3	118.7	18.7
SMDH 00020b	814191.0	8193755.4	167.9	3	4	85	2843.2	4246.5	2337.0	144.0	631.4	95.1	274.6	174.1	283.5	306.8	419.7	485.3	400.8	18.9	126.3	107.9	28.3
SMDH 00020b	814191.0	8193755.4	167.9	4	5	65	3607.4	5444.8	3020.5	144.6	710.6	131.6	379.9	240.9	392.3	424.5	792.2	860.4	774.5	17.6	193.2	173.8	23.1
SMDH 00020b	814191.0	8193755.4	167.9	5	6	70	2830.8	3733.6	2541.6	57.1	402.5	61.4	177.3	112.4	183.1	198.1	366.7	393.5	361.2	5.5	76.9	79.3	14.8
SMDH 00020	814253.9	8193751.1	166.6	0	1	30	1883.0	3561.6	1132.3	101.9	1538.2	66.2	191.1	121.2	197.3	213.5	570.5	616.6	557.2	13.3	126.2	124.1	21.4
SMDH 00020	814253.9	8193751.1	166.6	1	2	45	1343.3	2510.1	993.9	57.3	491.7	81.1	234.2	148.5	241.8	261.7	425.1	451.6	419.2	5.8	86.6	91.9	15.5
SMDH 00020	814253.9	8193751.1	166.6	2	3	65	1195.1	2163.3	911.3	44.1	398.6	67.9	196.0	124.2	202.3	219.0	350.4	370.7	346.1	4.2	71.0	76.8	12.9
SMDH 00020	814253.9	8193751.1	166.6	3	4	20	1692.2	2109.6	1564.6	24.0	172.8	29.2	84.3	53.5	87.0	94.2	79.4	90.6	77.0	2.4	21.2	17.8	6.1
SMDH 00020	814253.9	8193751.1	166.6	4	5	35	2418.9	3633.3	2038.6	87.5	471.2	86.9	250.8	159.0	259.0	280.3	438.6	477.6	427.4	11.2	95.5	94.1	21.4
SMDH 00020	814253.9	8193751.1	166.6	5	6	70	1856.1	3302.5	1419.9	86.0	566.3	103.1	297.8	188.9	307.5	332.8	564.9	603.5	553.8	11.1	115.8	119.4	20.1
SMDH 00020	814253.9	8193751.1	166.6	6	7	95	1493.9	2774.0	1122.4	46.3	557.1	87.9	253.8	160.9	262.0	283.6	483.7	505.1	478.9	4.8	92.1	103.3	12.2
SMDH 00020	814253.9	8193751.1	166.6	7	8	92	831.2	1749.9	537.4	52.9	427.2	61.4	177.3	112.4	183.1	198.1	230.4	255.0	225.7	4.7	43.0	41.4	16.1
SMDH 00019b	814314.4	8193749.8	165.4	0	1	5	1912.0	3122.7	1511.5	57.5	655.2	75.3	217.5	137.9	224.6	243.1	686.1	712.4	680.1	6.1	123.1	138.9	15.8
SMDH 00019b	814314.4	8193749.8	165.4	1	2	40	886.1	1756.6	600.0	57.3	406.5	58.1	167.7	106.3	173.2	187.4	265.8	292.3	259.9	5.8	48.8	45.8	15.2
SMDH 00019b	814314.4	8193749.8	165.4	2	3	45	1017.1	1902.9	710.0	84.4	376.8	61.3	177.2	112.3	182.9	198.0	257.2	296.2	247.2	10.0	70.3	58.8	18.1
SMDH 00019b	814314.4	8193749.8	165.4	3	4	35	1519.4	3008.6	975.8	98.0	892.2	87.4	252.4	160.0	260.6	282.1	336.2	380.2	322.8	13.4	79.9	69.3	20.1
SMDH 00019b	814314.4	8193749.8	165.4	4	5	70	1301.8	2575.5	921.5	54.0	564.1	86.9	250.8	159.0	259.0	280.3	137.5	162.5	132.7	4.8	31.8	28.3	16.5
SMDH 00019b	814314.4	8193749.8	165.4	5	6	65	2181.2	4132.3	1592.3	130.0	715.0	142.1	410.4	260.2	423.7	458.6	564.0	625.1	548.3	15.7	145.6	132.6	22.2
SMDH 00019b	814314.4	8193749.8	165.4	6	7	92	1994.0	3854.4	1393.1	150.3	729.3	132.6	382.9	242.8	395.4	427.9	534.7	605.4	517.8	16.9	138.8	122.5	29.8
SMDH 00019b	814314.4	8193749.8	165.4	7	8	80	2424.9	4516.9	1777.4	145.7	801.9	150.2	433.8	275.1	447.9	484.8	553.8	623.1	538.8	15.0	134.6	120.4	30.5
SMDH 00019b	814314.4	8193749.8	165.4	8	9	90	1967.2	3892.4	1332.5	156.6	797.4	134.6	388.8	246.5	401.4	434.5	581.3	655.1	564.5	16.8	140.1	125.2	33.4
SMDH 00019b	814314.4	8193749.8	165.4	9	10	85	2076.3	4064.5	1453.5	161.5	706.0	146.2	422.1	267.7	435.9	471.7	534.5	609.9	516.4	18.0	136.6	120.8	34.7
SMDH 00019b	814314.4	8193749.8	165.4	10	11	98	3709.4	5238.9	3187.4	147.1	615.7	108.0	312.0	197.8	322.1	348.7	190.2	261.3	183.5	6.7	52.9	45.9	55.1
SMDH 00019b	814314.4	8193749.8	165.4	11	12	85	1879.8	5277.2	975.7	96.5	1276.6	245.5	709.0	449.6	732.1	792.3	219.5	265.6	213.0	6.5	55.2	49.6	31.1
SMDH 00019b	814314.4	8193749.8	165.4	12	13	90	1921.4	5372.3	1037.6	87.4	1209.4	254.7	735.5	466.3	759.4	821.9	171.2	213.1	166.8	4.3	38.1	36.2	32.9
SMDH 00019b	814314.4	8193749.8	165.4	13	14	95	1722.7	3689.8	1138.8	111.5	756.7	141.1	407.4	258.3	420.7	455.3	394.3	447.4	382.7	11.6	96.4	84.2	22.8
SMDH 00019	814379.4	8193749.1	164.2	0	1	30	1276.1	2590.3	816.8	93.0	689.4	83.1	239.9	152.1	247.7	268.1	456.9	499.8	444.5	12.4	108.8	101.9	15.3
SMDH 00019	814379.4	8193749.1	164.2	1	2	40	1671.7	3203.1	1212.2	99.5	560.3	111.6	322.2	204.3	332.7	360.1	490.3	537.3	479.1	11.2	124.3	119.7	19.0
SMDH 00019	814379.4	8193749.1	164.2	2	3	45	1481.3	3522.2	996.8	52.7	572.8	159.3	460.0	291.6	474.9	514.0	168.1	193.9	164.5	3.6	47.4	43.9	14.4
SMDH 00019	814379.4	8193749.1	164.2	3	4	40	1278.4	3373.7	749.1	68.6	651.2	159.7	461.2	292.4	476.2	515.3	80.3	113.6	76.1	4.2	28.9	20.3	21.4
SMDH 00019	814379.4	8193749.1	164.2	4	5	70	2335.8	4044.1	1860.4	85.8	582.3	127.1	367.0	232.7	378.9	410.1	311.9	353.9	304.9	7.0	84.0	76.3	19.1
SMDH 00019	814379.4	8193749.1	164.2	5	6	98	2393.0	4119.6	1879.3	127.3	561.4	130.1	375.7	238.2	387.9	419.8	428.0	491.3	417.4	10.7	121.5	103.7	24.2
SMDH 00019	814379.4	8193749.1	164.2	6	7	95	2117.3	4035.1	1494.6	153.5	769.0	135.7	391.7	248.4	404.5	437.8	494.9	570.6	481.1	13.9	149.3	126.4	28.0
SMDH 00019	814379.4	8193749.1	164.2	7	8	85	1999.3	3708.5	1475.4	129.8	598.0	126.2	364.5	231.1	376.3	407.3	434.3	498.4	422.6	11.7	127.9	109.5	23.4
SMDH 00019	814379.4	8193749.1	164.2	8	8.5	50	1891.9	3557.9	1389.7	122.8	565.4	124.1	358.3	227.2	370.0	400.4	456.7	517.1	445.6	11.1	128.3	113.5	23.1
SMDH 00018b	814436.5	8193745.9	162.8	0	1	40	1590.1	3257.4	1034.2	117.4	779.4	111.2	321.1	203.6	331.6	358.8	464.1	521.6	452.9	11.2	127.5	112.3	21.0
SMDH 00018b	814436.5	8193745.9	162.8	1	2	25	2236.4	4316.0	1531.2	137.9	1046.7	134.2	387.4	245.6	400.0	432.9	957.9	1019.7	939.2	18.7	182.3	188.7	28.9
SMDH 00018b	814436.5	8193745.9	162.8	2	3	45	1891.0	3835.7	1280.4	115.9	848.4	133.4	385.2	244.2	397.7	430.4	694.1	746.0	678.1	16.0	144.0	143.8	23.7
SMDH 00018b	814436.5	8193745.9	162.8	3	4	45	2457.3	4184.3	1871.5	117.6	858.6	112.1	323.6	205.2	334.1	361.6	576.8	628.5	558.5	18.3	123.1	115.5	20.4
SMDH 00018b	814436.5	8193745.9	162.8	4	5	40	2019.4	3664.7	1448.2	133.2	788.3	108.6	313.5	198.8	323.7	350.4	596.4	656.2	577.6	18.8	129.5	119.4	25.1
SMDH 00018b	814436.5	8193745.9	162.8	5	6	90	1952.8	3452.5	1425.8	113.3	771.0	95.8	276.6	175.4	285.6	309.1	543.6	593.8	526.7	17.0	115.5	108.9	21.0
SMDH 00018b	814436.5	8193745.9	162.8	6	7	90	1475.4	3001.5	960.2	90.2	799.6	96.6	278.8	176.8	287.9	311.6	366.3	407.4	355.0	11.3	80.3	73.4	19.4
SMDH 00018b	814436.5	8193745.9	162.8	7	8	30	2696.6	4224.5	2133.2	144.4	776.8	98.1	283.3	179.6	292.5	316.6	535.1	600.6	515.5	19.6	123.2	106.2	27.1
SMDH 00018b	814436.5	8193745.9	162.8	8	9	98	3143.3	4894.7	2508.7	152.5	897.0	112.1	323.6	205.2	334.1	361.6	509.2	579.2	490.5	18.8	119.3	101.2	32.1
SMDH 00018b	814436.5	8193745.9	162.8	9	10	80	1911.1	3271.0	1435.2	134.2	577.8	94.2	272.1	172.5	280.9	304.1	487.4	548.6	470.3	17.1	111.4	98.5	27.4
SMDH 00018b	814436.5	8193745.9	162.8	10	11	80	1867.2	3539.4	1257.0	170.3	782.4	111.5	321.9	204.1	332.4	359.7	310.5	394.8	297.2	13.3	111.0	77.6	36.9
SMDH 00018b	814436.5	8193745.9	162.8	11	12	75	3067.8	5686.9	2205.1	195.1	1147.4	179.4	518.0	328.4	534.8	578.8	326.0	421.9	312.8	13.2	105.5	76.3	52.0
SMDH 00018b	814436.5	8193745.9	162.8	12	13	80	2010.8	3992.9	1356.3	146.0	880.5	135.0	389.8	247.2	402.5	435.6	295.3	367.6	287.8	7.5	85.0	71.8	44.7
SMDH 00018	814488.7	8193739.8	162.3	0	1	60	1326.4	2774.3	750.6	112.0	978.4	78.2	225.9	143.3	233.3	252.5	319.3	375.2	309.3	10.0	94.7	71.7	18.1
SMDH 00018	814488.7	8193739.8	162.3	1	2	30	1146.8	2507.7	600.2	106.0	936.6	72.5	209.4	132.8	216.2	234.0	296.2	348.9	288.1	8.1	83.2	66.7	22.7
SMDH 00018	814488.7	8193739.8	162.3	2	3	40	903.4	1998.6	541.4	75.9	505.2	73.5	212.1	134.5	219.0	237.0	172.9	211.1	166.5	6.4	61.5	43.1	12.2
SMDH 00018	814488.7	8193739.8	162.3	3	4	75	3036.0	5482.1	2183.5	198.5	1182.8	160.8	464.2	294.3	479.3	518.7	419.3	516.5	408.7	10.7	113.8	99.7	64.3
SMDH 00018	814488.7	8193739.8	162.3	4	5	90	2439.9	4162.8	1750.3	204.4	922.4	107.8	311.3	197.4	321.4	347.9	307.1	407.2	291.1	16.0	112.4	74.2	48.2
SMDH 00018	814488.7	8193739.8	162.3	5	6	98	2118.0	3907.0	1469.1	180.3	829.6	119.7	345.8	219.2	357.0	386.4	297.7	386.3	287.3	10.4	92.8	72.4	54.3
SMDH 00018	814488.7	8193739.8	162.3	6	7	90	2284.1	4357.1	1504.4	232.0	978.6	137.7	397.6	252.1	410.5	444.3	379.5	491.7	358.1	21.5	136.6	90.8	49.9
SMDH 00018	814488.7	8193739.8	162.3	7	8	85	2546.8	4578.2	1713.6	275.0	1036.6	130.2	376.0	238.4	388.2	420.2	474.0	607.2	446.0	28.0	175.4	111.6	49.3
SMDH 00018	814488.7	8193739.8	162.3	8	9	95	2373.8	4542.5	1602.3	226.8	920.9	150.3	434.0	275.2	448.1	485.0	383.4	493.0	364.0	19.4	128.7	88.2	54.2
SMDH 00222	814559.7	8193381.4	161.5	0	1	40	1740.5	3806.3	980.9	135.6	1259.4	119.9	346.3	219.6	357.6	387.0	588.0	652.7	573.8	14.2	149.7	137.0	26.9
SMDH 00222	814559.7	8193381.4	161.5	1	2	45	1587.2	3499.0	960.9	92.4	1006.7	120.6	348.4	220.9	359.7	389.3	507.0	548.5	494.4	12.6	111.2	110.9	18.8
SMDH 00222	814559.7	8193381.4	161.5	2	3	40	2406.3	3961.3	1845.4	122.4	833.9	97.2	280.7	178.0	289.9	313.7	510.5	565.3	492.0	18.5	129.6	113.9	19.4
SMDH 00222	814559.7	8193381.4	161.5	3	4	75	2062.9	4233.8	1319.9	107.9	1248.1	130.6	377.2	239.2	389.5	421.5	579.3	628.4	565.8	13.5	122.5	121.6	23.3
SMDH 00222	814559.7	8193381.4	161.5	4	5	65	1739.5	3507.5	1196.4	67.9	863.6	115.7	334.0	211.8	344.9	373.2	430.6	462.0	424.5	6.1	83.2	91.8	21.0
SMDH 00222	814559.7	8193381.4	161.5	5	6	75	1767.8	4048.1	1124.5	127.0	763.0	170.5	492.4	312.2	508.4	550.2	384.3	442.0	369.5	14.8	90.1	80.9	31.8
SMDH 00222	814559.7	8193381.4	161.5	6	7	50	2154.6	5836.9	1319.3	215.3	455.1	322.6	931.5	590.6	961.7	1040.9	199.1	298.3	174.8	24.2	91.4	48.9	51.3
SMDH 00222	814559.7	8193381.4	161.5	7	8	50	1265.8	3172.2	744.6	103.3	588.0	145.6	420.4	266.5	434.0	469.8	208.7	256.6	198.0	10.7	58.7	43.5	26.3
SMDH 00222	814559.7	8193381.4	161.5	8	9	55	1072.8	2607.8	522.8	77.8	966.6	87.2	251.9	159.7	260.1	281.5	115.4	150.5	104.6	10.7	41.5	25.0	14.7
SMDH 00223	814430.2	8193385.8	163.3	0	1	5	3279.5	6389.3	1922.1	189.6	2725.7	130.1	375.7	238.2	388.0	419.9	1248.0	1331.6	1216.1	31.9	283.9	282.2	24.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00223	814430.2	8193385.8	163.3	1	2	48	1528.8	2780.8	1085.1	88.2	680.5	77.7	224.4	142.3	231.7	250.8	223.8	267.2	216.2	7.6	75.5	60.9	17.8
SMDH 00223	814430.2	8193385.8	163.3	2	3	40	3688.9	5279.4	3180.2	91.9	738.5	106.4	307.2	194.8	317.2	343.3	329.6	373.3	320.2	9.5	98.8	90.9	19.1
SMDH 00223	814430.2	8193385.8	163.3	3	4	45	1646.7	2677.2	1245.3	101.2	587.7	62.3	179.9	114.1	185.7	201.0	273.5	322.1	263.1	10.4	84.7	69.3	19.4
SMDH 00223	814430.2	8193385.8	163.3	4	5	70	1735.1	3298.3	1159.2	139.5	822.9	98.7	284.9	180.6	294.2	318.4	352.7	420.4	338.8	13.9	114.8	89.7	25.4
SMDH 00223	814430.2	8193385.8	163.3	5	6	40	2028.4	3445.7	1530.7	121.3	676.1	93.7	270.6	171.6	279.4	302.4	320.3	378.4	306.9	13.4	100.6	80.1	20.8
SMDH 00223	814430.2	8193385.8	163.3	6	7	40	2436.2	4433.9	1807.3	84.2	1003.9	129.0	372.5	236.2	384.6	416.2	298.3	339.0	290.5	7.7	78.9	70.7	18.1
SMDH 00223	814430.2	8193385.8	163.3	7	8	45	1533.6	3097.2	957.8	139.1	823.6	98.7	284.9	180.6	294.2	318.4	351.6	418.8	337.5	14.1	113.2	87.6	25.6
SMDH 00223	814430.2	8193385.8	163.3	8	9	90	1919.9	3998.3	1211.1	143.6	1039.4	134.5	388.4	246.3	401.0	434.0	421.3	490.9	405.8	15.5	135.6	108.6	22.7
SMDH 00224	814315.9	8193379.8	163.5	0	1	20	770.8	1813.7	421.3	48.3	585.6	63.6	183.6	116.4	189.6	205.2	239.4	261.2	233.3	6.1	47.1	46.3	11.0
SMDH 00224	814315.9	8193379.8	163.5	1	2	30	2900.1	3969.9	2624.3	62.4	252.8	86.4	249.5	158.2	257.6	278.8	171.4	200.4	165.0	6.4	43.1	35.9	15.8
SMDH 00224	814315.9	8193379.8	163.5	2	3	70	2194.2	3813.8	1693.8	75.8	752.5	108.3	312.7	198.3	322.9	349.5	145.6	181.4	139.7	5.9	36.7	29.2	23.3
SMDH 00224	814315.9	8193379.8	163.5	3	4	30	3645.1	5171.9	3146.0	87.3	751.3	99.5	287.4	182.3	296.8	321.2	133.7	174.3	125.2	8.5	40.4	28.2	23.7
SMDH 00224	814315.9	8193379.8	163.5	4	5	70	2209.8	3682.1	1769.4	35.6	752.6	94.3	272.3	172.6	281.1	304.2	80.2	96.4	76.5	3.8	18.4	15.2	10.4
SMDH 00224	814315.9	8193379.8	163.5	5	6	65	2339.7	3957.7	1842.3	55.8	814.8	104.4	301.4	191.1	311.2	336.8	83.9	110.0	79.7	4.1	20.7	16.3	19.1
SMDH 00224	814315.9	8193379.8	163.5	6	7	60	1657.0	3520.9	1040.9	128.8	860.7	125.0	360.9	228.8	372.6	403.3	115.1	175.9	103.1	12.0	48.7	24.5	33.2
SMDH 00224	814315.9	8193379.8	163.5	7	8	65	1858.7	3502.8	1291.2	123.1	812.4	107.0	309.0	195.9	319.0	345.3	134.5	191.5	120.2	14.3	54.5	27.7	26.2
SMDH 00224	814315.9	8193379.8	163.5	8	9	85	1829.2	3546.3	1281.5	89.8	825.8	113.1	326.6	207.1	337.3	365.0	97.7	140.2	89.5	8.2	35.2	18.7	23.3
SMDH 00224	814315.9	8193379.8	163.5	9	10	95	1642.8	3830.2	950.7	69.4	1195.0	135.4	391.0	247.9	403.7	437.0	69.5	100.5	61.3	8.2	24.9	15.1	19.1
SMDH 00225	814195.5	8193380.4	162.5	0	1	4	2087.3	4037.4	1350.8	133.2	1240.3	110.1	317.9	201.6	328.3	355.3	540.8	598.4	520.0	20.8	128.9	125.9	27.1
SMDH 00225	814195.5	8193380.4	162.5	1	2	45	2242.8	4027.3	1617.6	115.5	981.1	110.1	317.9	201.6	328.3	355.3	487.9	538.5	471.3	16.6	113.0	112.3	25.6
SMDH 00225	814195.5	8193380.4	162.5	2	3	35	29447.3	36907.2	27111.5	766.5	2060.9	584.2	1687.1	1069.7	1742.0	1885.3	19077.5	19374.7	18907.3	170.2	3684.2	4562.2	121.4
SMDH 00225	814195.5	8193380.4	162.5	3	4	50	2318.7	4641.7	1548.2	122.8	1219.9	146.8	423.9	268.8	437.7	473.7	642.8	697.6	626.9	15.9	142.3	150.9	29.4
SMDH 00225	814195.5	8193380.4	162.5	4	5	60	2162.5	4445.2	1377.4	163.6	1144.4	147.5	426.1	270.1	439.9	476.1	638.1	707.6	611.7	26.3	150.5	149.6	35.7
SMDH 00225	814195.5	8193380.4	162.5	5	6	70	2336.0	4651.8	1549.5	154.5	1166.3	149.4	431.3	273.5	445.4	482.0	689.6	756.7	665.5	24.1	165.0	164.6	30.0
SMDH 00225	814195.5	8193380.4	162.5	6	7	65	2045.7	4077.1	1378.0	114.9	1017.0	131.4	379.4	240.6	391.8	424.0	590.0	639.9	573.2	16.8	137.2	143.9	26.6
SMDH 00225	814195.5	8193380.4	162.5	7	8	80	1868.7	4022.9	1137.0	129.5	1136.7	135.8	392.1	248.6	404.9	438.2	605.2	662.3	587.0	18.2	137.5	139.6	29.1
SMDH 00225	814195.5	8193380.4	162.5	8	9	75	2478.8	5058.8	1524.0	173.7	1579.1	149.4	431.4	273.5	445.4	482.1	661.4	736.6	633.5	27.9	178.4	164.7	32.1
SMDH 00225	814195.5	8193380.4	162.5	9	10	85	2524.5	5359.4	1551.2	141.7	1638.5	170.0	491.0	311.3	507.0	548.7	715.9	777.4	694.7	21.2	170.2	174.6	31.1
SMDH 00225	814195.5	8193380.4	162.5	10	11	40	2807.5	5826.8	1719.6	148.2	1940.9	169.2	488.6	309.8	504.5	546.0	648.3	713.1	626.6	21.7	158.9	155.8	32.0
SMDH 00225	814195.5	8193380.4	162.5	11	12	35	2421.1	5399.9	1362.5	147.5	1857.0	170.4	492.2	312.1	508.2	550.0	568.6	631.4	544.5	24.0	147.7	141.9	30.3
SMDH 00226	814079.0	8193389.5	162.9	0	1	45	2476.0	4712.4	1567.3	137.5	1711.1	108.7	313.9	199.0	324.1	350.8	831.6	891.7	809.2	22.4	174.1	173.3	22.2
SMDH 00226	814079.0	8193389.5	162.9	1	2	50	1732.8	3692.5	1009.2	151.0	1124.0	118.1	341.0	216.2	352.0	381.0	652.1	720.8	633.0	19.1	141.3	133.9	32.3
SMDH 00226	814079.0	8193389.5	162.9	2	3	60	2011.5	3809.1	1385.9	139.8	887.7	117.0	337.9	214.3	348.9	377.6	563.3	627.1	544.3	19.1	129.3	113.6	24.5
SMDH 00226	814079.0	8193389.5	162.9	3	4	80	2395.6	3628.2	1956.0	89.7	669.8	76.5	221.0	140.1	228.2	246.9	393.6	433.4	379.7	13.8	89.5	81.7	14.4
SMDH 00226	814079.0	8193389.5	162.9	4	5	60	3543.0	5199.9	2919.9	119.8	1020.5	95.6	275.9	175.0	284.9	308.4	485.8	540.5	469.9	16.0	115.1	102.7	21.9
SMDH 00226	814079.0	8193389.5	162.9	5	6	80	4332.6	5970.9	3730.4	104.6	1008.3	94.5	273.0	173.1	281.8	305.0	446.7	494.8	433.7	13.0	92.1	84.7	21.3
SMDH 00226	814079.0	8193389.5	162.9	6	7	95	2266.5	4130.7	1588.1	109.7	1156.8	107.0	309.0	195.9	319.0	345.3	533.3	583.7	519.5	13.7	120.5	115.3	21.9
SMDH 00226	814079.0	8193389.5	162.9	7	8	80	2097.8	3698.3	1543.3	112.7	824.0	102.1	295.0	187.0	304.6	329.6	511.9	562.9	495.8	16.1	114.9	104.7	18.7
SMDH 00226	814079.0	8193389.5	162.9	8	9	98	1853.9	3459.6	1240.6	153.8	886.3	98.9	285.5	181.0	294.7	319.0	483.4	552.9	462.1	21.4	121.7	101.2	28.2
SMDH 00226	814079.0	8193389.5	162.9	9	10	95	1796.6	3332.4	1202.8	197.6	689.8	104.1	300.7	190.7	310.5	336.1	455.5	553.0	433.8	21.7	168.7	116.1	22.8
SMDH 00226	814079.0	8193389.5	162.9	10	11	85	1869.8	3468.0	1291.0	175.5	685.0	110.4	318.7	202.1	329.1	356.2	452.8	538.9	434.8	18.0	153.5	116.0	26.6
SMDH 00226	814079.0	8193389.5	162.9	11	12	95	2010.2	3703.8	1382.6	202.4	718.5	117.4	339.0	215.0	350.1	378.9	528.7	628.0	508.0	20.7	176.5	134.0	30.9
SMDH 00226	814079.0	8193389.5	162.9	12	13	98	1654.7	3108.2	1215.9	85.4	574.8	103.3	298.3	189.2	308.0	333.4	232.1	273.5	224.9	7.2	66.6	55.2	20.1
SMDH 00227	813960.1	8193380.4	163.8	0	1	10	1391.3	2487.9	1032.3	99.9	406.6	79.6	229.8	145.7	237.3	256.8	682.4	728.0	666.4	16.0	173.4	172.1	9.2
SMDH 00227	813960.1	8193380.4	163.8	1	2	35	1585.2	2706.5	1224.2	91.9	430.4	80.5	232.4	147.4	240.0	259.7	281.5	325.9	273.8	7.7	76.7	68.1	22.5
SMDH 00227	813960.1	8193380.4	163.8	2	3	50	3007.2	4081.9	2639.7	89.2	486.9	72.6	209.7	133.0	216.5	234.3	217.4	260.5	209.5	7.9	68.6	55.3	20.2
SMDH 00227	813960.1	8193380.4	163.8	3	4	50	1896.9	2878.2	1571.2	60.6	484.3	63.9	184.5	117.0	190.5	206.2	308.2	337.1	302.7	5.5	76.2	77.2	14.8
SMDH 00227	813960.1	8193380.4	163.8	4	5	60	2929.2	3971.8	2531.4	81.1	641.7	60.2	173.7	110.1	179.4	194.1	385.3	424.8	378.1	7.2	98.9	96.5	17.3
SMDH 00227	813960.1	8193380.4	163.8	5	6	55	3844.0	5177.3	3402.6	97.6	598.9	90.4	261.1	165.5	269.5	291.7	636.5	678.3	620.7	15.8	126.6	129.1	19.6
SMDH 00227	813960.1	8193380.4	163.8	6	7	60	2182.5	3418.6	1769.1	66.2	658.3	77.6	223.9	142.0	231.2	250.3	518.5	547.2	508.9	9.6	93.1	99.7	15.8
SMDH 00227	813960.1	8193380.4	163.8	7	8	95	2289.4	3898.4	1760.5	121.5	695.0	110.8	319.9	202.8	330.3	357.5	666.2	718.9	647.4	18.9	140.1	137.2	24.6
SMDH 00227	813960.1	8193380.4	163.8	8	9	98	2368.3	3614.7	1917.2	138.1	528.7	86.4	249.5	158.2	257.7	278.9	653.9	712.9	631.1	22.8	148.7	141.4	26.9
SMDH 00227	813960.1	8193380.4	163.8	9	10	98	1571.1	2620.6	1194.5	102.7	483.0	70.5	203.5	129.0	210.1	227.4	474.8	519.1	457.9	16.9	103.9	96.3	18.5
SMDH 00228	813841.2	8193385.8	165.3	0	1	18	2166.8	3628.5	1625.0	175.9	616.3	101.6	293.3	186.0	302.8	327.7	948.2	1028.7	923.6	24.6	246.1	237.8	27.6
SMDH 00228	813841.2	8193385.8	165.3	1	2	50	1657.0	3887.8	982.6	112.3	953.5	154.2	445.3	282.4	459.8	497.7	446.0	495.3	429.1	16.9	104.8	94.9	22.3
SMDH 00228	813841.2	8193385.8	165.3	2	3	30	2709.3	4680.0	2099.7	82.1	954.8	129.4	373.7	236.9	385.8	417.6	119.4	157.0	111.2	8.2	36.2	26.4	24.0
SMDH 00228	813841.2	8193385.8	165.3	3	4	50	2410.6	3525.5	2024.2	93.7	519.6	74.4	215.0	136.3	222.0	240.2	321.4	362.8	307.0	14.4	77.5	64.5	16.4
SMDH 00228	813841.2	8193385.8	165.3	4	5	99	2034.0	3477.0	1585.7	94.6	581.0	101.9	294.3	186.6	303.9	328.9	431.5	471.2	413.9	17.6	98.8	89.8	14.4
SMDH 00228	813841.2	8193385.8	165.3	5	6	98	1334.5	2567.1	985.6	36.3	534.3	84.8	244.7	155.2	252.7	273.5	98.7	115.0	94.2	4.5	24.9	20.5	9.2
SMDH 00228	813841.2	8193385.8	165.3	6	6.5	90	1316.1	2584.6	945.6	37.6	590.6	84.8	244.7	155.2	252.7	273.5	85.3	103.3	82.5	2.8	22.0	17.2	11.0
SMDH 00229	813721.7	8193384.1	168.1	0	1	25	1359.4	2837.0	866.3	74.6	799.4	92.0	265.5	168.4	274.2	296.7	486.6	520.3	476.1	10.5	94.6	92.4	13.2
SMDH 00229	813721.7	8193384.1	168.1	1	2	30	2449.4	5019.8	1623.4	156.3	1178.7	172.8	499.1	316.4	515.3	557.7	949.1	1022.0	931.5	17.6	190.8	190.6	33.7
SMDH 00229	813721.7	8193384.1	168.1	2	3	70	959.0	2380.3	592.1	49.1	461.0	107.2	309.4	196.2	319.5	345.8	234.9	258.0	230.6	4.3	47.0	46.3	13.9
SMDH 00229	813721.7	8193384.1	168.1	3	4	75	1198.6	2973.8	717.1	55.4	681.6	127.4	367.9	233.3	379.9	411.1	131.2	157.3	126.7	4.5	29.8	25.2	17.0
SMDH 00229	813721.7	8193384.1	168.1	4	5	50	1035.1	2410.3	609.9	39.5	730.2	86.4	249.5	158.2	257.7	278.9	110.4	128.9	107.3	3.1	23.7	22.0	12.9
SMDH 00229	813721.7	8193384.1	168.1	5	6	70	893.4	1946.6	588.3	33.6	472.3	71.5	206.3	130.8	213.1	230.6	53.6	69.8	51.3	2.3	13.7	9.4	10.6
SMDH 00229	813721.7	8193384.1	168.1	6	7	50	1454.0	2715.9	1090.0	37.3	571.1	85.3	246.3	156.2	254.3	275.3	148.8	165.8	145.0	3.8	29.1	28.3	11.2
SMDH 00229	813721.7	8193384.1	168.1	7	8	95	1555.8	2973.0	1146.6	63.8	563.2	100.6	290.4	184.1	299.9	324.5	234.7	264.2	229.3	5.4	46.3	46.0	21.0
SMDH 00229	813721.7	8193384.1	168.1	8	9	95	2581.2	4340.6	2048.4	95.1	731.6	122.9	354.8	225.0	366.3	396.5	582.8	626.6	571.9	11.0	118.3	120.9	21.7
SMDH 00229	813721.7	8193384.1	168.1	9	10	95	2541.7	4015.3	2081.1	81.6	657.7	100.2	289.3	183.4	298.7	323.3	404.2	441.6	394.5	9.7	87.6	85.7	18.4
SMDH 00229	813721.7	8193384.1	168.1	10	11	92	2089.3	3742.6	1585.8	111.1	619.4	119.6	345.4	219.0	356.6	385.9	632.4	683.4	618.0	14.4	129.9	125.2	20.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00229	813721.7	8193384.1	168.1	11	12	85	2106.1	3983.9	1507.4	140.1	750.1	133.0	384.1	243.5	396.6	429.2	620.1	684.9	603.0	17.1	138.3	126.4	27.2
SMDH 00229	813721.7	8193384.1	168.1	12	13	95	2980.2	4723.7	2419.0	123.2	740.9	120.8	348.8	221.2	360.1	389.8	609.9	666.0	593.2	16.6	130.2	121.1	22.5
SMDH 00229	813721.7	8193384.1	168.1	13	14	98	2450.8	4294.7	1862.9	134.1	749.0	129.8	374.9	237.7	387.1	419.0	762.4	822.9	743.1	19.3	168.0	161.8	22.7
SMDH 00229	813721.7	8193384.1	168.1	14	15	98	2085.8	3815.7	1560.2	121.9	622.6	126.7	365.8	232.0	377.7	408.8	677.7	733.0	660.2	17.5	146.3	139.2	19.1
SMDH 00229	813721.7	8193384.1	168.1	15	16	98	2098.8	3909.5	1508.8	149.7	716.3	128.7	371.6	235.6	383.7	415.2	704.6	772.3	684.0	20.6	155.8	145.3	28.0
SMDH 00230	813599.6	8193384.9	170.0	0	1	25	1444.9	3059.5	897.6	105.1	818.7	103.8	299.8	190.1	309.5	335.0	544.6	593.0	531.2	13.4	119.7	114.5	19.7
SMDH 00230	813599.6	8193384.9	170.0	1	2	90	1333.1	2603.2	942.9	81.8	500.5	90.4	261.0	165.5	269.5	291.6	430.4	467.8	419.3	11.1	95.5	90.3	14.1
SMDH 00230	813599.6	8193384.9	170.0	2	3	75	1495.9	2819.7	1018.7	144.0	564.9	91.6	264.4	167.7	273.0	295.5	541.7	607.0	520.1	21.6	145.3	122.3	20.1
SMDH 00230	813599.6	8193384.9	170.0	3	4	92	1345.2	3058.2	747.9	148.9	793.1	114.7	331.3	210.0	342.0	370.2	367.7	442.1	354.0	13.6	129.8	96.6	22.7
SMDH 00230	813599.6	8193384.9	170.0	4	5	85	1489.4	2856.5	972.3	134.8	722.1	86.1	248.7	157.7	256.8	278.0	367.0	433.8	354.2	12.8	120.9	92.6	20.8
SMDH 00230	813599.6	8193384.9	170.0	5	6	98	1624.1	3022.4	1034.8	185.8	783.7	85.4	246.5	156.3	254.5	275.5	477.1	569.4	459.3	17.8	162.4	120.8	27.9
SMDH 00230	813599.6	8193384.9	170.0	6	7	99	1840.8	3141.3	1350.9	140.0	636.5	85.0	245.5	155.6	253.4	274.3	369.2	438.9	355.0	14.2	129.9	96.0	17.9
SMDH 00230	813599.6	8193384.9	170.0	7	8	98	1379.0	3142.4	761.3	92.6	1047.4	104.1	300.5	190.5	310.3	335.8	303.2	349.5	293.9	9.3	99.2	78.7	11.2
SMDH 00230	813599.6	8193384.9	170.0	8	9	98	1175.8	2827.9	612.4	133.9	754.2	111.3	321.4	203.8	331.8	359.1	288.2	355.3	275.5	12.7	108.2	73.0	17.6
SMDH 00230	813599.6	8193384.9	170.0	9	10	98	1156.8	2738.9	609.5	117.8	788.6	102.5	296.1	187.7	305.7	330.9	268.3	327.3	256.6	11.7	102.5	70.8	13.9
SMDH 00230	813599.6	8193384.9	170.0	10	11	90	1427.3	3044.4	776.5	217.0	786.9	106.0	306.0	194.0	316.0	342.0	363.6	471.1	340.9	22.7	157.2	93.6	27.2
SMDH 00230	813599.6	8193384.9	170.0	11	12	98	1310.5	3225.2	788.1	76.7	684.9	140.5	405.7	257.2	418.8	453.3	292.4	327.4	282.7	9.7	67.7	60.2	15.8
SMDH 00230	813599.6	8193384.9	170.0	12	13	88	1660.1	3367.5	1156.0	107.4	608.3	125.4	362.2	229.6	373.9	404.7	490.6	539.5	477.0	13.6	105.9	99.2	22.3
SMDH 00230	813599.6	8193384.9	170.0	13	14	95	1960.8	3726.6	1438.3	130.8	561.3	133.8	386.5	245.0	399.0	431.9	607.4	666.5	589.5	18.0	137.6	128.2	25.0
SMDH 00230	813599.6	8193384.9	170.0	14	15	96	1631.2	3049.9	1196.4	118.9	455.6	107.2	309.7	196.4	319.8	346.1	563.1	617.0	546.6	16.5	125.7	116.3	21.0
SMDH 00230	813599.6	8193384.9	170.0	15	16	98	1694.5	3191.2	1202.0	116.5	635.9	103.7	299.4	189.9	309.2	334.6	510.4	563.8	494.4	16.1	116.9	103.0	18.7
SMDH 00230	813599.6	8193384.9	170.0	16	17	80	1977.2	3659.9	1419.6	132.6	722.9	116.1	335.3	212.6	346.2	374.7	581.1	640.8	562.1	19.1	132.7	118.4	23.0
SMDH 00231	813465.2	8193383.8	166.6	0	1	15	1873.1	3760.4	1266.7	122.1	838.8	128.5	371.1	235.3	383.2	414.7	659.7	715.4	642.2	17.5	144.8	134.2	18.5
SMDH 00231	813465.2	8193383.8	166.6	1	2	20	2480.0	4818.4	1638.3	170.7	1296.9	143.6	414.6	262.9	428.1	463.3	967.9	1045.3	944.0	23.9	207.8	200.7	29.8
SMDH 00231	813465.2	8193383.8	166.6	2	3	55	1873.3	3941.9	1189.7	147.0	940.2	139.6	403.1	255.6	416.2	450.5	620.2	688.8	605.0	15.2	129.7	121.1	36.0
SMDH 00231	813465.2	8193383.8	166.6	3	4	80	1595.7	2963.0	1099.0	151.2	588.0	94.3	272.3	172.7	281.2	304.3	436.6	510.5	422.3	14.2	137.8	113.0	27.9
SMDH 00231	813465.2	8193383.8	166.6	4	5	20	1546.6	2957.5	1049.5	150.5	570.9	99.5	287.3	182.2	296.6	321.0	373.2	447.3	360.2	12.9	119.1	93.4	30.0
SMDH 00231	813465.2	8193383.8	166.6	5	6	70	1422.1	2736.2	963.5	132.4	544.3	91.9	265.4	168.3	274.0	296.6	344.4	409.0	331.6	12.7	111.5	87.6	23.9
SMDH 00231	813465.2	8193383.8	166.6	6	7	90	1558.6	2795.4	1152.8	124.9	417.0	92.3	266.5	169.0	275.2	297.8	336.1	397.6	324.7	11.3	114.0	90.8	22.7
SMDH 00231	813465.2	8193383.8	166.6	7	8	96	1855.0	3877.7	1114.2	222.2	897.1	137.8	398.1	252.4	411.0	444.8	380.3	491.1	362.1	18.3	147.2	96.6	41.9
SMDH 00231	813465.2	8193383.8	166.6	8	9	98	1721.6	3482.1	1016.1	277.1	697.3	125.1	361.1	229.0	372.9	403.5	396.2	534.8	371.5	24.7	178.1	102.2	43.8
SMDH 00231	813465.2	8193383.8	166.6	9	10	80	1688.5	3426.8	1017.3	233.7	741.6	120.3	347.3	220.2	358.6	388.1	446.9	562.2	423.0	23.9	175.7	115.6	32.8
SMDH 00231	813465.2	8193383.8	166.6	10	11	30	1798.8	3510.8	1101.7	270.8	713.6	119.5	345.0	218.7	356.2	385.5	495.8	629.8	469.2	26.7	198.8	128.1	40.0
SMDH 00231	813465.2	8193383.8	166.6	11	12	95	1720.9	3366.1	1143.3	176.3	655.0	116.7	336.9	213.6	347.8	376.5	487.8	574.1	470.1	17.6	159.6	126.1	28.8
SMDH 00231	813465.2	8193383.8	166.6	12	13	50	1847.0	3719.8	1282.8	100.1	772.3	131.2	378.8	240.2	391.1	423.3	469.5	516.3	459.9	9.6	101.6	101.0	26.9
SMDH 00231	813465.2	8193383.8	166.6	13	13.5	70	1941.3	3905.6	1343.1	126.5	755.2	140.9	406.9	258.0	420.2	454.8	588.3	647.2	574.5	13.8	141.3	137.1	29.2
SMDH 00232	813356.7	8193384.3	164.0	0	1	20	1915.4	3792.5	1240.6	134.0	1049.0	114.8	331.4	210.1	342.2	370.4	786.9	847.7	765.7	21.1	187.0	175.4	15.2
SMDH 00232	813356.7	8193384.3	164.0	1	2	20	2211.2	4756.9	1515.0	160.8	702.6	199.4	575.9	365.1	594.6	643.5	980.4	1054.7	957.5	22.9	225.8	215.0	20.8
SMDH 00232	813356.7	8193384.3	164.0	2	3	90	1917.0	3255.3	1437.3	139.7	582.5	91.9	265.3	168.2	273.9	296.5	728.1	793.4	710.9	17.2	163.3	144.6	24.3
SMDH 00232	813356.7	8193384.3	164.0	3	4	55	2211.7	3838.6	1734.2	113.9	527.1	122.7	354.3	224.7	365.8	395.9	855.1	907.9	841.5	13.6	194.2	193.5	23.1
SMDH 00232	813356.7	8193384.3	164.0	4	5	90	1615.4	3218.6	1110.4	91.8	719.1	108.8	314.1	199.1	324.3	351.0	437.7	481.0	428.9	8.8	93.9	85.9	22.8
SMDH 00232	813356.7	8193384.3	164.0	5	6	85	1254.5	2377.6	875.6	86.6	513.8	75.6	218.3	138.4	225.4	243.9	324.6	365.1	315.6	9.0	77.2	66.8	20.8
SMDH 00232	813356.7	8193384.3	164.0	6	7	70	1369.9	2729.5	878.9	121.4	679.3	88.0	254.2	161.2	262.4	284.0	389.5	446.4	375.9	13.6	99.2	79.3	25.4
SMDH 00232	813356.7	8193384.3	164.0	7	8	70	1450.3	2957.9	880.1	158.5	759.7	97.2	280.7	178.0	289.9	313.7	400.5	475.0	382.7	17.8	115.1	83.4	31.7
SMDH 00232	813356.7	8193384.3	164.0	8	9	90	1211.2	2320.6	796.6	109.9	565.8	71.1	205.4	130.2	212.1	229.5	349.1	400.5	335.8	13.3	90.4	68.4	19.7
SMDH 00232	813356.7	8193384.3	164.0	9	10	98	1401.7	2646.7	933.9	126.7	631.7	80.0	231.1	146.5	238.6	258.2	335.9	395.1	321.6	14.2	92.7	68.6	26.8
SMDH 00232	813356.7	8193384.3	164.0	10	11	98	1377.7	2770.4	848.6	148.9	702.0	89.8	259.3	164.4	267.7	289.8	373.1	442.8	357.2	15.9	102.7	77.0	33.8
SMDH 00232	813356.7	8193384.3	164.0	11	12	99	1797.4	3722.3	1109.6	151.5	1009.3	121.7	351.5	222.9	362.9	392.8	444.0	515.5	426.4	17.6	136.7	114.5	27.2
SMDH 00232	813356.7	8193384.3	164.0	12	13	90	1445.6	2882.0	911.1	137.4	742.1	91.5	264.3	167.6	272.8	295.3	374.4	439.0	357.0	17.5	127.2	101.6	20.8
SMDH 00233	813241.1	8193383.9	165.2	0	1	25	1737.9	3172.0	1245.9	109.4	689.8	94.5	272.8	173.0	281.7	304.9	381.6	432.8	369.4	12.3	106.8	97.6	23.3
SMDH 00233	813241.1	8193383.9	165.2	1	2	20	2325.3	3754.2	1845.8	117.4	618.3	98.3	283.9	180.0	293.2	317.3	352.8	407.6	341.4	11.5	98.8	92.4	31.1
SMDH 00233	813241.1	8193383.9	165.2	2	3	65	1756.7	3326.6	1278.0	88.8	650.2	109.8	317.0	201.0	327.4	354.3	371.3	413.2	362.9	8.4	95.8	95.3	22.7
SMDH 00233	813241.1	8193383.9	165.2	3	4	70	1796.6	3284.7	1326.8	93.5	641.1	102.6	296.2	187.8	305.8	331.0	374.9	418.9	365.3	9.6	96.4	93.4	21.6
SMDH 00233	813241.1	8193383.9	165.2	4	5	70	1774.6	3221.7	1286.6	106.0	681.8	96.2	277.8	176.1	286.8	310.4	408.5	458.0	397.1	11.5	108.9	103.6	24.0
SMDH 00233	813241.1	8193383.9	165.2	5	6	85	1374.5	2798.4	868.7	111.8	736.7	90.7	261.8	166.0	270.3	292.5	319.5	372.0	307.9	11.7	93.5	81.2	25.7
SMDH 00233	813241.1	8193383.9	165.2	6	7	85	1417.3	2856.0	928.9	135.2	581.2	101.5	293.1	185.9	302.7	327.6	345.3	410.1	331.6	13.7	93.9	69.8	26.9
SMDH 00233	813241.1	8193383.9	165.2	7	8	95	1408.9	2893.0	953.3	118.8	499.5	110.8	319.9	202.8	330.3	357.5	375.1	431.8	364.1	11.0	90.6	77.3	28.6
SMDH 00233	813241.1	8193383.9	165.2	8	9	92	1161.9	2416.7	776.3	88.5	466.7	91.0	262.7	166.6	271.3	293.6	325.6	367.3	316.6	9.0	73.7	65.3	20.4
SMDH 00233	813241.1	8193383.9	165.2	9	10	90	1465.8	2878.3	1052.2	86.7	498.2	104.1	300.5	190.5	310.3	335.8	375.3	416.8	367.8	7.4	80.3	75.5	22.3
SMDH 00233	813241.1	8193383.9	165.2	10	11	98	1160.8	2362.0	794.8	74.5	472.9	85.5	246.9	156.5	254.9	275.9	334.7	369.6	326.7	8.0	73.4	68.6	17.0
SMDH 00233	813241.1	8193383.9	165.2	11	12	95	1428.2	2622.6	1076.4	68.0	448.2	86.4	249.4	158.1	257.5	278.7	375.3	407.3	368.2	7.0	72.5	69.7	15.3
SMDH 00233	813241.1	8193383.9	165.2	12	13	98	1826.5	3371.6	1339.9	109.5	616.1	109.5	316.2	200.5	326.5	353.4	470.4	522.2	460.0	10.3	99.0	92.9	27.2
SMDH 00233	813241.1	8193383.9	165.2	13	14	50	1566.9	3053.8	1081.0	147.4	504.0	110.8	319.9	202.8	330.3	357.5	405.5	476.2	389.5	16.0	112.6	83.1	25.7
SMDH 00233	813241.1	8193383.9	165.2	14	15	70	1200.0	2426.0	825.0	81.0	469.8	88.0	254.3	161.2	262.5	284.1	278.7	317.0	270.6	8.0	67.0	58.7	18.8
SMDH 00233	813241.1	8193383.9	165.2	15	16	95	1353.9	2881.2	881.4	80.9	677.8	104.1	300.5	190.5	310.3	335.8	120.2	160.2	115.8	4.5	41.9	29.5	24.0
SMDH 00233	813241.1	8193383.9	165.2	16	17	98	1614.5	3141.9	1036.3	149.3	812.9	95.9	276.8	175.5	285.8	309.3	324.7	398.3	312.8	11.9	108.9	84.6	32.8
SMDH 00233	813241.1	8193383.9	165.2	17	18	70	1228.9	2718.8	731.4	78.2	796.6	93.3	269.4	170.8	278.1	301.0	255.7	293.4	249.9	5.8	66.5	63.5	22.2
SMDH 00234	813136.3	8193381.2	164.5	0	1	30	1490.6	2890.2	838.5	130.7	1211.8	59.5	171.7	108.9	177.3	191.9	515.2	579.4	499.7	15.5	160.1	133.6	11.9
SMDH 00234	813136.3	8193381.2	164.5	1	2	20	1564.2	2878.7	1014.6	136.6	859.3	72.8	210.2	133.3	217.0	234.9	553.3	619.4	538.2	15.2	158.9	142.2	20.7
SMDH 00234	813136.3	8193381.2	164.5	2	3	25	1346.1	2603.5	927.9	103.4	530.3	87.4	252.3	159.9	260.5	281.9	477.3	527.8	468.3	9.1	132.4	130.7	22.0
SMDH 00234	813136.3	8193381.2	164.5	3	4	90	1679.8	2773.6	1282.5	83.5	606.5	67.2	194.0	123.0	200.3	216.7	316.5	357.1	309.1	7.5	86.3	78.3	18.2

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00234	813136.3	8193381.2	164.5	4	5	35	1879.1	2428.8	1641.2	73.6	328.9	32.3	93.3	59.1	96.3	104.2	462.5	497.5	452.4	10.1	124.3	119.3	6.7
SMDH 00234	813136.3	8193381.2	164.5	5	6	80	1510.6	2171.8	1280.3	47.1	342.9	42.0	121.4	77.0	125.4	135.7	198.4	220.7	192.9	5.6	55.6	49.7	8.0
SMDH 00234	813136.3	8193381.2	164.5	6	7	80	2124.5	3375.4	1725.5	61.0	617.7	81.4	235.1	149.1	242.8	262.8	200.5	230.2	196.0	4.5	59.4	56.1	15.9
SMDH 00234	813136.3	8193381.2	164.5	7	8	90	1831.0	3268.8	1363.1	129.6	527.3	104.7	302.3	191.7	312.2	337.8	429.5	491.7	417.7	11.8	127.5	119.0	30.5
SMDH 00234	813136.3	8193381.2	164.5	8	9	98	1550.1	2828.6	1117.2	123.2	501.3	91.1	263.1	166.8	271.7	294.1	383.6	442.6	371.5	12.2	117.3	105.8	26.2
SMDH 00234	813136.3	8193381.2	164.5	9	10	99	1593.2	2914.6	1178.7	109.2	464.6	97.4	281.4	178.4	290.5	314.4	418.3	471.1	407.4	10.9	126.0	116.5	20.5
SMDH 00234	813136.3	8193381.2	164.5	10	11	85	1258.2	2105.5	974.7	75.2	343.4	59.7	172.4	109.3	178.0	192.7	433.8	469.1	425.2	8.6	90.8	85.8	14.8
SMDH 00234	813136.3	8193381.2	164.5	11	12	90	886.8	1766.6	619.1	53.6	348.6	62.5	180.4	114.4	186.3	201.6	206.1	230.9	199.7	6.4	50.6	43.9	11.3
SMDH 00234	813136.3	8193381.2	164.5	12	13	98	1317.4	2506.0	988.4	52.4	425.0	87.2	251.9	159.7	260.0	281.4	405.1	428.8	398.3	6.8	83.4	84.4	11.0
SMDH 00234	813136.3	8193381.2	164.5	13	14	98	1239.9	2383.3	888.5	57.2	511.0	77.7	224.3	142.2	231.6	250.7	333.4	359.1	326.4	6.9	68.6	68.8	14.2
SMDH 00234	813136.3	8193381.2	164.5	14	15	98	1114.0	2046.8	809.8	71.5	390.1	65.0	187.7	119.0	193.8	209.8	347.3	380.3	339.2	8.1	75.3	71.6	16.5
SMDH 00235	812997.6	8193382.9	166.7	0	1	30	619.1	1414.6	388.9	50.8	263.7	59.6	172.2	109.2	177.8	192.4	248.1	270.8	240.8	7.3	53.7	48.8	9.3
SMDH 00235	812997.6	8193382.9	166.7	1	2	40	811.9	1847.1	421.3	97.3	560.8	64.4	185.9	117.9	191.9	207.7	279.1	323.6	264.9	14.1	80.3	59.3	13.5
SMDH 00235	812997.6	8193382.9	166.7	2	3	80	844.1	1701.7	499.9	95.2	486.2	52.0	150.2	95.2	155.1	167.9	303.6	346.5	288.3	15.3	83.3	60.4	10.7
SMDH 00235	812997.6	8193382.9	166.7	3	4	50	841.6	1621.6	478.3	125.2	484.6	44.7	129.2	81.9	133.4	144.3	278.6	335.1	258.9	19.7	87.9	56.0	15.5
SMDH 00235	812997.6	8193382.9	166.7	4	5	50	1079.8	2259.6	631.1	129.6	583.9	76.7	221.5	140.5	228.7	247.6	305.2	368.0	291.5	13.6	96.0	65.9	21.3
SMDH 00235	812997.6	8193382.9	166.7	5	6	55	1069.3	1981.0	697.3	122.4	462.0	58.6	169.3	107.4	174.8	189.2	267.1	326.3	253.4	13.7	88.5	57.3	17.9
SMDH 00235	812997.6	8193382.9	166.7	6	7	45	1546.8	2443.2	1169.6	139.9	424.7	59.4	171.6	108.8	177.2	191.8	285.9	353.9	270.0	15.9	97.1	57.8	18.2
SMDH 00235	812997.6	8193382.9	166.7	7	8	60	1523.6	2776.3	973.3	151.8	836.9	68.3	197.2	125.0	203.6	220.3	313.3	388.1	297.9	15.4	108.1	67.5	22.2
SMDH 00235	812997.6	8193382.9	166.7	8	8.5	50	1106.3	1790.2	720.2	208.9	310.1	46.2	133.4	84.6	137.7	149.1	197.9	294.6	176.5	21.5	79.5	46.4	55.1
SMDH 00236	812880.4	8193384.3	168.1	0	1	40	1498.8	3109.1	767.4	263.6	913.9	97.6	281.9	178.7	291.0	315.0	489.0	617.7	462.2	26.8	168.8	102.3	42.9
SMDH 00236	812880.4	8193384.3	168.1	1	2	65	1309.5	2986.0	513.9	408.6	588.2	123.7	357.2	226.5	368.8	399.2	267.6	469.2	231.1	36.5	172.1	53.9	75.3
SMDH 00236	812880.4	8193384.3	168.1	2	3	65	2030.5	5171.4	544.8	695.1	1340.0	217.3	627.4	397.8	647.8	701.2	274.1	614.8	210.1	64.0	265.2	63.8	131.2
SMDH 00236	812880.4	8193384.3	168.1	3	4	85	2024.2	5498.1	675.9	391.3	1781.8	222.1	641.4	406.7	662.2	716.7	215.2	407.5	185.8	29.4	136.8	45.8	94.4
SMDH 00236	812880.4	8193384.3	168.1	4	5	80	2579.6	5679.9	968.9	786.2	1482.8	204.7	591.2	374.9	610.4	660.7	484.4	848.0	388.9	95.6	294.9	104.7	158.0
SMDH 00236	812880.4	8193384.3	168.1	5	6	70	1236.4	2685.8	702.4	131.2	756.1	91.9	265.4	168.3	274.0	296.6	138.9	201.0	128.2	10.6	49.7	30.1	38.6
SMDH 00236	812880.4	8193384.3	168.1	6	7	75	2721.7	5379.5	1741.7	158.0	1690.0	150.1	433.3	274.8	447.4	484.2	205.2	280.2	194.4	10.9	60.5	44.1	52.5
SMDH 00236	812880.4	8193384.3	168.1	7	7.5	50	2711.7	6091.2	1609.0	137.9	1856.1	208.6	602.4	382.0	622.0	673.2	217.4	283.9	210.6	6.8	51.9	42.4	50.7
SMDH 00237	812761.8	8193386.7	167.3	0	1	30	939.2	2361.8	534.1	61.4	554.6	101.6	293.4	186.0	302.9	327.8	277.8	305.9	270.0	7.8	63.9	57.7	12.6
SMDH 00237	812761.8	8193386.7	167.3	1	2	90	986.8	2561.2	514.1	60.9	728.3	105.5	304.6	193.1	314.5	340.3	295.9	323.9	289.6	6.3	61.7	62.5	16.4
SMDH 00237	812761.8	8193386.7	167.3	2	3	96	823.9	1913.7	556.0	47.2	269.9	87.2	251.9	159.7	260.1	281.5	232.7	254.7	228.6	4.1	49.9	50.4	14.1
SMDH 00237	812761.8	8193386.7	167.3	3	4	85	2027.8	2794.5	1794.0	41.2	325.7	53.1	153.4	97.3	158.4	171.4	272.0	291.5	268.4	3.7	51.8	53.3	11.3
SMDH 00237	812761.8	8193386.7	167.3	4	5	98	3540.2	4768.8	3136.8	79.7	576.4	81.8	236.3	149.8	243.9	264.0	390.5	427.1	381.2	9.3	87.0	84.4	18.7
SMDH 00237	812761.8	8193386.7	167.3	5	6	95	1868.8	2883.0	1544.2	75.7	409.6	71.6	206.7	131.0	213.4	231.0	438.1	474.5	430.9	7.2	102.5	102.7	16.4
SMDH 00237	812761.8	8193386.7	167.3	6	7	98	1072.7	1831.2	837.9	56.4	277.9	55.3	159.6	101.2	164.7	178.3	220.7	247.7	214.7	6.0	63.0	56.0	10.7
SMDH 00237	812761.8	8193386.7	167.3	7	8	90	770.0	1283.9	611.2	41.3	176.2	38.2	110.2	69.9	113.8	123.2	278.5	297.2	273.2	5.3	63.4	64.9	8.7
SMDH 00237	812761.8	8193386.7	167.3	8	9	98	916.2	1534.3	694.2	63.3	274.6	42.1	121.6	77.1	125.5	135.9	281.1	311.8	274.2	6.9	74.2	66.3	9.9
SMDH 00237	812761.8	8193386.7	167.3	9	10	98	899.1	1833.5	585.3	70.8	427.3	62.9	181.6	115.2	187.5	203.0	194.4	228.3	186.9	7.5	40.4	29.1	13.0
SMDH 00237	812761.8	8193386.7	167.3	10	11	98	667.2	1415.5	436.4	38.1	335.2	50.8	146.7	93.0	151.5	163.9	146.7	164.6	143.1	3.6	37.0	34.3	9.9
SMDH 00237	812761.8	8193386.7	167.3	11	12	95	664.3	1626.7	381.4	37.1	423.6	65.8	190.0	120.4	196.1	212.3	119.9	137.7	117.4	2.5	28.4	27.3	11.8
SMDH 00237	812761.8	8193386.7	167.3	12	13	98	1268.2	2259.6	936.8	82.3	421.2	68.7	198.4	125.8	204.8	221.7	437.0	475.7	427.2	9.9	113.7	107.9	14.2
SMDH 00237	812761.8	8193386.7	167.3	13	14	98	1035.0	2010.9	742.0	50.3	405.7	68.2	196.8	124.8	203.2	220.0	234.7	258.5	229.3	5.4	59.0	55.3	10.1
SMDH 00237	812761.8	8193386.7	167.3	14	15	95	1494.8	3204.6	1013.1	107.4	525.6	130.7	377.3	239.3	389.6	421.7	465.8	517.1	454.1	11.7	108.5	94.5	19.3
SMDH 00238	812648.8	8193388.6	165.7	0	1	45	690.4	1709.0	405.2	33.4	417.7	71.5	206.4	130.9	213.1	230.7	185.6	201.6	182.8	2.7	38.0	38.4	9.0
SMDH 00238	812648.8	8193388.6	165.7	1	2	30	1197.5	2179.6	921.7	111.2	118.7	86.2	248.9	157.8	257.0	278.1	177.4	230.6	167.2	10.2	58.8	38.6	26.3
SMDH 00238	812648.8	8193388.6	165.7	2	3	45	2448.6	3003.3	2120.1	223.0	112.1	45.9	132.7	84.1	137.0	148.3	212.6	322.6	194.9	17.8	113.4	62.4	49.0
SMDH 00238	812648.8	8193388.6	165.7	3	4	30	2154.3	2865.3	1798.4	242.9	63.5	63.8	184.1	116.7	190.1	205.7	363.6	482.4	345.5	18.2	134.8	95.6	61.2
SMDH 00238	812648.8	8193388.6	165.7	4	5	40	1794.4	2402.7	1457.5	231.4	86.4	52.6	151.9	96.3	156.8	169.7	164.9	278.1	146.7	18.3	98.5	47.2	55.1
SMDH 00238	812648.8	8193388.6	165.7	5	6	65	1374.6	2519.5	1013.9	105.8	367.5	86.6	249.9	158.5	258.1	279.3	266.3	317.4	257.0	9.3	83.3	69.8	24.5
SMDH 00238	812648.8	8193388.6	165.7	6	7	50	1528.2	2522.0	1235.3	55.8	376.7	71.6	206.8	131.1	213.6	231.1	190.5	217.2	186.0	4.5	50.8	47.9	15.3
SMDH 00238	812648.8	8193388.6	165.7	7	8	55	1810.8	3549.0	1336.9	136.8	376.3	142.4	411.3	260.8	424.7	459.7	222.2	288.5	209.7	12.5	87.3	60.6	29.1
SMDH 00238	812648.8	8193388.6	165.7	8	9	50	1142.0	2146.3	840.3	53.1	413.2	70.4	203.3	128.9	209.9	227.2	156.8	182.6	153.2	3.6	43.5	39.3	15.3
SMDH 00255	812578.8	8193264.4	165.6	0	1	40	943.4	1715.4	676.3	80.2	302.2	55.1	159.0	100.8	164.2	177.7	328.4	366.6	318.9	9.5	99.4	89.6	12.2
SMDH 00255	812578.8	8193264.4	165.6	1	2	45	1021.6	1761.8	786.1	78.0	211.2	57.6	166.2	105.4	171.6	185.7	231.0	268.7	222.5	8.5	76.2	62.2	12.2
SMDH 00255	812578.8	8193264.4	165.6	2	3	85	1356.5	2306.2	1076.7	83.3	250.2	75.1	216.9	137.5	224.0	242.4	454.7	493.8	445.7	9.1	113.6	115.7	18.4
SMDH 00255	812578.8	8193264.4	165.6	3	4	90	1281.5	2054.9	1063.0	53.3	223.2	60.0	173.2	109.8	178.9	193.6	366.0	390.9	359.8	6.1	87.0	89.9	10.7
SMDH 00255	812578.8	8193264.4	165.6	4	5	55	1039.3	1631.1	871.9	34.3	194.7	44.5	128.4	81.4	132.5	143.5	230.2	246.0	227.1	3.1	51.7	56.8	10.7
SMDH 00255	812578.8	8193264.4	165.6	5	6	90	1316.4	2045.7	1110.6	49.8	210.7	56.6	163.3	103.6	168.6	182.5	414.6	437.3	408.4	6.2	95.2	103.4	10.7
SMDH 00255	812578.8	8193264.4	165.6	6	7	85	1169.8	1722.0	1019.2	34.0	154.2	43.2	124.6	79.0	128.7	139.2	348.0	363.5	343.9	4.1	76.1	85.2	7.7
SMDH 00254	812695.9	8193265.6	172.4	0	1	40	1336.8	2865.2	930.2	86.4	417.6	120.0	346.5	219.7	357.7	387.2	522.2	562.1	512.0	10.2	116.8	117.8	18.4
SMDH 00254	812695.9	8193265.6	172.4	1	2	90	1748.4	2665.4	1449.5	81.9	341.3	66.5	192.0	121.7	198.2	214.5	636.7	674.7	625.3	11.5	158.0	162.8	10.7
SMDH 00254	812695.9	8193265.6	172.4	2	3	85	1419.3	2049.3	1185.9	68.9	290.1	42.3	122.1	77.4	126.1	136.5	450.0	482.5	441.1	8.9	110.8	108.8	9.2
SMDH 00254	812695.9	8193265.6	172.4	3	4	90	1330.7	2160.6	1062.0	59.9	353.9	57.4	165.8	105.1	171.2	185.3	292.4	321.8	287.3	5.1	75.8	72.1	12.2
SMDH 00254	812695.9	8193265.6	172.4	4	5	70	1418.1	2987.7	966.2	61.4	652.9	109.6	316.5	200.7	326.8	353.7	311.9	341.6	307.7	4.2	74.3	77.4	18.4
SMDH 00254	812695.9	8193265.6	172.4	5	6	85	1391.5	2666.6	959.7	122.7	501.0	90.8	262.3	166.3	270.8	293.1	309.3	369.9	298.5	10.8	101.9	78.1	23.0
SMDH 00254	812695.9	8193265.6	172.4	6	7	95	1822.2	3379.2	1381.6	87.9	521.9	116.4	336.0	213.0	346.9	375.5	329.8	372.4	322.1	7.7	88.3	82.0	19.9
SMDH 00254	812695.9	8193265.6	172.4	7	8	90	1532.7	2891.4	1177.5	49.8	446.5	102.1	294.8	186.9	304.4	329.4	131.0	155.1	127.8	3.3	34.4	30.5	15.3
SMDH 00253	812818.7	8193267.0	167.9	0	1	40	1380.5	3101.4	799.3	127.3	809.5	114.5	330.6	209.6	341.3	369.4	450.0	513.2	438.0	11.9	134.2	112.9	19.9
SMDH 00253	812818.7	8193267.0	167.9	1	2	60	939.3	2259.8	518.2	45.4	720.3	81.8	236.3	149.8	243.9	264.0	50.0	72.1	47.6	2.3	17.2	11.6	15.3
SMDH 00253	812818.7	8193267.0	167.9	2	3	70	1148.1	2602.0	723.3	45.2	669.6	97.6	281.8	178.7	290.9	314.9	189.6	211.4	186.5	3.1	47.1	47.3	13.8
SMDH 00253	812818.7	8193267.0	167.9	3	4	40	1535.2	3110.4	1014.1	88.2	804.0	101.0	291.5	184.8	301.0	325.8	354.6	397.3	347.2	7.3	92.7	88.5	21.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00253	812818.7	8193267.0	167.9	4	5	70	2023.3	3544.1	1594.1	84.4	510.5	113.6	328.1	208.0	338.7	366.6	291.6	332.4	284.3	7.3	80.4	73.2	19.9
SMDH 00253	812818.7	8193267.0	167.9	5	6	28	1433.2	2532.7	1082.2	76.2	461.8	76.5	220.9	140.1	228.1	246.9	270.3	307.4	263.7	6.6	74.2	66.0	16.8
SMDH 00252	812936.9	8193265.5	170.8	0	1	35	965.2	1799.9	606.1	108.1	504.3	48.7	140.8	89.3	145.3	157.3	342.6	395.3	329.0	13.6	109.8	81.2	9.2
SMDH 00252	812936.9	8193265.5	170.8	1	2	25	831.0	1298.1	629.9	84.9	193.8	32.7	94.3	59.8	97.4	105.4	278.9	320.8	268.5	10.4	95.3	71.1	6.1
SMDH 00252	812936.9	8193265.5	170.8	2	3	70	935.9	1827.5	645.6	118.7	188.1	73.4	211.9	134.3	218.8	236.8	272.1	330.2	259.5	12.6	97.5	67.6	16.8
SMDH 00252	812936.9	8193265.5	170.8	3	4	45	466.7	788.0	324.3	64.2	127.3	22.8	65.9	41.8	68.0	73.6	132.9	164.4	125.2	7.7	52.3	31.9	6.1
SMDH 00252	812936.9	8193265.5	170.8	4	5	45	542.1	927.6	391.5	45.2	194.6	24.8	71.7	45.5	74.1	80.2	160.4	183.0	155.1	5.3	50.0	36.1	3.1
SMDH 00252	812936.9	8193265.5	170.8	5	6	20	472.2	794.1	321.9	50.7	204.8	18.2	52.5	33.3	54.2	58.6	143.7	167.9	137.8	5.9	47.2	35.7	7.7
SMDH 00251	813050.4	8193262.5	167.6	0	1	45	1582.6	2665.4	1147.4	131.4	575.6	68.0	196.4	124.5	202.7	219.4	688.9	752.7	672.9	15.9	186.6	170.8	13.8
SMDH 00251	813050.4	8193262.5	167.6	1	2	90	1487.1	3392.3	970.2	94.8	603.9	144.5	417.3	264.6	430.8	466.3	557.9	603.3	548.0	9.9	137.1	138.7	18.4
SMDH 00251	813050.4	8193262.5	167.6	2	3	95	1773.3	3518.2	1232.7	105.1	730.8	121.5	351.0	222.5	362.4	392.2	574.4	624.5	563.9	10.5	146.4	148.9	23.0
SMDH 00251	813050.4	8193262.5	167.6	3	4	85	1603.1	3175.0	1120.3	79.1	699.8	107.0	308.9	195.8	318.9	345.2	273.1	311.7	267.5	5.7	72.3	68.0	21.4
SMDH 00251	813050.4	8193262.5	167.6	4	5	80	1413.7	3115.7	875.8	98.2	767.1	115.2	332.8	211.0	343.6	371.9	172.8	221.8	165.2	7.7	66.7	45.2	19.9
SMDH 00251	813050.4	8193262.5	167.6	5	6	80	1404.8	2894.3	934.1	126.1	525.3	109.7	316.9	200.9	327.2	354.1	256.4	318.1	246.7	9.7	85.8	66.4	30.6
SMDH 00251	813050.4	8193262.5	167.6	6	7	90	1380.1	2861.7	930.4	121.8	468.4	112.5	324.7	205.9	335.3	362.9	376.4	432.7	363.4	12.9	99.5	91.8	30.6
SMDH 00251	813050.4	8193262.5	167.6	7	8	85	1537.9	2978.6	1148.9	63.3	480.3	107.8	311.4	197.4	321.5	347.9	309.1	338.2	302.0	7.1	77.5	79.3	15.3
SMDH 00251	813050.4	8193262.5	167.6	8	9	90	1159.3	2745.3	738.7	62.5	526.8	118.8	343.1	217.6	354.3	383.4	414.9	443.6	407.9	7.0	96.1	104.9	15.3
SMDH 00251	813050.4	8193262.5	167.6	9	10	94	1098.1	2703.9	672.6	57.9	551.9	119.2	344.2	218.2	355.3	384.6	400.8	427.1	393.9	6.9	90.7	99.3	13.8
SMDH 00251	813050.4	8193262.5	167.6	10	11	98	1085.5	2489.7	670.6	76.1	545.8	100.4	289.8	183.8	299.3	323.9	371.6	406.5	362.5	9.0	90.0	91.1	16.8
SMDH 00251	813050.4	8193262.5	167.6	11	12	98	1057.8	2702.4	576.2	71.3	688.2	114.6	330.9	209.8	341.6	369.8	335.7	368.5	327.5	8.1	82.4	84.2	16.8
SMDH 00251	813050.4	8193262.5	167.6	12	13	98	936.5	2641.7	481.2	68.6	573.0	127.4	367.8	233.2	379.7	411.0	249.1	280.8	240.8	8.2	68.4	62.9	13.8
SMDH 00251	813050.4	8193262.5	167.6	13	14	99	1088.5	2630.6	624.7	64.8	697.4	104.3	301.1	190.9	310.9	336.5	359.9	389.5	352.8	7.1	83.6	89.2	16.8
SMDH 00251	813050.4	8193262.5	167.6	14	15	75	1082.9	2322.3	725.2	52.5	504.0	87.2	251.9	159.7	260.1	281.5	325.3	349.5	319.3	6.0	75.1	78.5	12.2
SMDH 00250	813176.8	8193269.6	166.4	0	1	20	1100.7	2349.5	622.6	99.3	767.1	72.2	208.3	132.1	215.1	232.8	337.4	382.9	321.3	16.1	105.3	83.3	7.7
SMDH 00250	813176.8	8193269.6	166.4	1	2	35	1126.7	2036.2	782.8	93.5	465.7	58.2	168.0	106.5	173.5	187.8	439.4	484.4	429.1	10.3	118.2	110.3	15.3
SMDH 00250	813176.8	8193269.6	166.4	2	3	65	1297.5	2815.9	829.4	84.8	651.6	104.8	302.6	191.9	312.5	338.2	358.7	399.6	351.7	6.9	88.2	86.8	21.4
SMDH 00250	813176.8	8193269.6	166.4	3	4	55	1435.6	2570.0	1135.0	55.0	338.7	87.3	252.1	159.8	260.3	281.7	267.4	293.3	262.5	4.8	65.1	67.3	15.3
SMDH 00250	813176.8	8193269.6	166.4	4	5	70	1330.4	2322.1	1047.5	50.4	360.7	72.4	209.1	132.6	215.9	233.6	200.9	225.1	196.9	4.0	50.5	49.0	13.8
SMDH 00250	813176.8	8193269.6	166.4	5	6	95	1728.7	3379.4	1261.8	104.7	510.5	126.0	363.8	230.6	375.6	406.5	425.2	475.1	415.2	10.0	111.4	106.7	24.5
SMDH 00250	813176.8	8193269.6	166.4	6	7	98	1636.4	3346.2	1188.3	88.5	472.2	133.9	386.7	245.2	399.3	432.1	409.1	451.5	401.1	8.0	103.4	102.9	21.4
SMDH 00250	813176.8	8193269.6	166.4	7	8	99	1119.6	2433.9	788.8	60.9	339.1	104.4	301.4	191.1	311.2	336.9	324.2	352.6	318.0	6.2	80.4	84.7	15.3
SMDH 00250	813176.8	8193269.6	166.4	8	9	90	1485.6	3008.6	1084.9	73.2	446.5	117.7	339.9	215.5	351.0	379.9	350.8	385.7	345.5	5.3	83.0	88.0	23.0
SMDH 00250	813176.8	8193269.6	166.4	9	10	95	1410.6	2765.5	1039.7	55.0	486.5	99.3	286.7	181.8	296.1	320.4	523.3	547.6	515.6	7.7	112.9	127.1	12.2
SMDH 00250	813176.8	8193269.6	166.4	10	11	92	1407.8	2797.2	1025.8	55.8	506.9	101.3	292.6	185.6	302.2	327.0	390.1	415.5	384.1	6.0	84.5	92.9	15.3
SMDH 00250	813176.8	8193269.6	166.4	11	12	90	1454.2	2896.4	1081.7	55.6	447.7	110.0	317.5	201.3	327.8	354.8	443.1	467.8	435.8	7.2	95.1	106.7	13.8
SMDH 00249	813297.5	8193262.1	167.2	0	1	45	1486.7	3051.5	950.0	135.8	693.2	106.7	308.1	195.3	318.1	344.3	530.6	591.8	510.5	20.1	147.0	133.6	21.4
SMDH 00249	813297.5	8193262.1	167.2	1	2	60	1836.9	3389.7	1334.7	122.8	620.7	110.0	317.5	201.3	327.8	354.8	395.4	451.8	378.7	16.7	119.2	101.4	19.9
SMDH 00249	813297.5	8193262.1	167.2	2	3	40	1691.7	3009.6	1252.9	128.9	482.4	96.0	277.3	175.8	286.3	309.9	391.1	450.8	374.2	16.8	117.7	98.4	21.4
SMDH 00249	813297.5	8193262.1	167.2	3	4	35	1536.7	3066.9	1003.0	167.1	585.4	110.0	317.5	201.3	327.8	354.8	411.1	486.8	385.4	25.7	141.7	106.6	21.4
SMDH 00249	813297.5	8193262.1	167.2	4	5	30	1619.4	3145.1	1093.5	161.8	578.3	110.0	317.5	201.3	327.8	354.8	479.7	552.6	455.0	24.7	144.7	118.1	23.0
SMDH 00248	813414.6	8193265.7	167.2	0	1	25	1539.1	3720.7	875.6	152.9	790.4	159.5	460.4	291.9	475.4	514.5	507.1	576.2	486.2	20.9	141.2	125.1	29.1
SMDH 00248	813414.6	8193265.7	167.2	1	2	50	1711.9	3824.1	1003.6	229.1	710.4	157.7	455.4	288.8	470.2	508.9	528.7	641.7	507.1	21.6	185.1	135.8	38.3
SMDH 00248	813414.6	8193265.7	167.2	2	3	25	1655.4	2949.9	1191.0	168.2	444.3	96.1	277.5	176.0	286.6	310.1	552.3	630.0	526.8	25.5	167.6	133.5	16.8
SMDH 00248	813414.6	8193265.7	167.2	3	4	75	1755.7	3617.3	1100.7	223.2	660.2	136.9	395.4	250.7	408.3	441.9	512.2	622.5	490.4	21.8	183.7	132.6	33.7
SMDH 00248	813414.6	8193265.7	167.2	4	5	75	1889.5	3699.5	1198.6	255.3	699.2	129.7	374.4	237.4	386.6	418.4	592.5	718.4	565.3	27.2	225.4	161.3	32.1
SMDH 00248	813414.6	8193265.7	167.2	5	6	80	1491.8	2991.5	889.1	246.9	561.0	108.5	313.4	198.7	323.6	350.3	411.5	534.2	385.7	25.7	181.3	107.4	29.1
SMDH 00248	813414.6	8193265.7	167.2	6	7	65	1675.9	3432.1	977.2	268.8	704.7	124.2	358.6	227.4	370.3	400.8	427.3	560.6	397.6	29.7	188.0	101.4	27.6
SMDH 00248	813414.6	8193265.7	167.2	7	8	85	1815.6	3850.0	1047.6	311.3	666.6	153.0	441.7	280.1	456.1	493.6	465.7	621.0	436.1	29.6	209.1	119.7	44.4
SMDH 00248	813414.6	8193265.7	167.2	8	9	95	1684.2	3458.6	1018.5	266.9	583.2	133.3	384.9	244.1	397.5	430.2	478.4	610.3	450.7	27.7	200.4	126.7	35.2
SMDH 00248	813414.6	8193265.7	167.2	9	10	55	1900.7	3970.5	1187.2	228.6	752.0	151.1	436.5	276.7	450.6	487.7	546.2	658.6	522.8	23.4	193.6	141.4	33.7
SMDH 00248	813414.6	8193265.7	167.2	10	11	98	2019.5	4435.8	1239.6	226.1	832.7	179.2	517.5	328.1	534.3	578.3	560.0	670.1	537.5	22.5	183.3	141.1	39.8
SMDH 00248	813414.6	8193265.7	167.2	11	12	95	1740.6	4360.2	973.3	148.3	970.7	190.1	549.1	348.1	566.9	613.6	487.2	555.7	470.8	16.4	126.8	116.7	35.2
SMDH 00248	813414.6	8193265.7	167.2	12	12.5	80	1571.4	3273.6	1010.2	120.8	769.6	115.1	332.4	210.8	343.2	371.5	440.2	495.3	424.7	15.6	115.3	104.8	24.5
SMDH 00247	813534.5	8193262.9	170.2	0	1	25	1560.0	3539.4	943.1	131.8	796.9	139.8	403.7	256.0	416.9	451.2	536.1	596.8	519.2	16.9	135.3	124.9	24.5
SMDH 00247	813534.5	8193262.9	170.2	1	2	55	1532.9	3496.4	930.9	129.8	757.4	140.7	406.3	257.6	419.5	454.0	414.0	471.9	395.3	18.7	102.4	89.3	24.5
SMDH 00247	813534.5	8193262.9	170.2	2	3	35	1971.4	3802.7	1371.1	141.5	773.1	127.2	367.3	232.9	379.2	410.4	366.3	430.3	345.4	20.9	113.0	88.0	21.4
SMDH 00247	813534.5	8193262.9	170.2	3	4	45	1555.7	3733.7	847.4	161.7	923.3	151.0	436.1	276.5	450.3	487.4	350.9	425.6	330.6	20.2	112.5	84.5	30.6
SMDH 00247	813534.5	8193262.9	170.2	4	5	25	1610.0	3488.7	1013.1	140.3	742.3	133.6	385.7	244.5	398.2	431.0	399.3	463.7	380.6	18.6	117.8	96.5	24.5
SMDH 00247	813534.5	8193262.9	170.2	5	6	96	1519.6	3397.5	932.2	136.7	721.5	134.7	389.1	246.7	401.8	434.8	409.4	471.7	389.6	19.8	121.8	98.6	19.9
SMDH 00247	813534.5	8193262.9	170.2	6	7	85	1449.6	3158.4	915.1	109.0	712.1	119.2	344.3	218.3	355.5	384.8	379.5	429.3	365.0	14.5	104.4	92.3	19.9
SMDH 00247	813534.5	8193262.9	170.2	7	8	95	1776.6	3853.9	1106.1	152.0	870.4	144.7	417.7	264.9	431.3	466.8	483.2	553.6	463.1	20.1	136.6	113.6	24.5
SMDH 00247	813534.5	8193262.9	170.2	8	9	95	1662.0	3620.5	1059.6	163.6	638.5	147.5	425.8	270.0	439.7	475.8	472.0	546.3	448.5	23.4	137.7	110.3	26.0
SMDH 00247	813534.5	8193262.9	170.2	9	10	96	1972.9	3979.2	1260.4	147.7	1073.0	125.6	362.7	230.0	374.5	405.3	561.5	628.5	540.6	20.9	133.3	112.6	24.5
SMDH 00247	813534.5	8193262.9	170.2	10	11	98	1885.0	3497.1	1287.8	122.5	937.8	96.3	278.2	176.4	287.2	310.9	508.7	567.2	493.8	14.9	143.9	126.9	16.8
SMDH 00247	813534.5	8193262.9	170.2	11	12	95	1566.3	2889.7	1107.3	102.9	647.8	86.5	249.8	158.4	257.9	279.1	427.4	476.7	415.4	12.0	119.6	106.6	15.3
SMDH 00247	813534.5	8193262.9	170.2	12	13	98	1497.9	3110.1	886.5	129.7	963.4	94.8	273.7	173.5	282.6	305.8	379.6	442.1	364.6	15.0	123.0	97.4	18.4
SMDH 00247	813534.5	8193262.9	170.2	13	14	95	1729.2	3697.8	1014.6	164.2	1039.4	124.1	358.2	227.1	369.9	400.3	464.2	543.4	445.3	18.9	151.5	117.5	23.0
SMDH 00247	813534.5	8193262.9	170.2	14	15	98	1103.3	2256.0	708.0	101.7	504.0	79.0	228.1	144.6	235.5	254.9	319.0	367.8	307.2	11.8	97.6	78.6	15.3
SMDH 00246	813650.4	8193267.4	169.2	0	1	98	1025.7	1914.0	674.2	92.4	508.3	53.6	154.8	98.1	159.8	172.9	324.7	368.8	313.3	11.5	95.9	79.0	12.2
SMDH 00246	813650.4	8193267.4	169.2	1	2	20	1593.8	3026.3	1101.4	111.2	686.3	94.5	273.0	173.1	281.8	305.0	362.7	415.9	350.2	12.5	109.6	92.1	18.4
SMDH 00246	813650.4	8193267.4	169.2	2	3	30	1933.6	3473.1	1362.6	118.7	892.1	92.2	266.3	168.8	274.9	297.5	437.5	490.6	420.8	16.8	100.6	87.3	23.0

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00246	813650.4	8193267.4	169.2	3	4	40	2092.6	3848.3	1476.7	166.0	777.8	119.7	345.7	219.2	356.9	386.3	639.4	717.8	619.0	20.4	165.4	143.9	26.0
SMDH 00246	813650.4	8193267.4	169.2	4	5	55	1694.0	3478.0	1095.2	166.6	699.9	127.1	367.1	232.8	379.0	410.2	476.6	554.8	455.2	21.4	144.9	113.2	24.5
SMDH 00246	813650.4	8193267.4	169.2	5	6	90	1571.3	3147.3	999.2	173.9	678.0	108.7	313.8	199.0	324.0	350.7	443.8	525.2	421.7	22.1	133.1	99.7	27.6
SMDH 00246	813650.4	8193267.4	169.2	6	7	50	1535.5	3177.9	977.1	158.9	649.8	116.7	337.0	213.7	348.0	376.6	428.6	502.5	408.1	20.5	126.4	99.2	26.0
SMDH 00245	813771.5	8193268.9	166.1	0	1	15	2458.0	4150.8	1794.8	194.9	875.4	107.8	311.3	197.4	321.4	347.9	912.9	1004.0	886.2	26.7	235.6	214.5	24.5
SMDH 00245	813771.5	8193268.9	166.1	1	2	25	2118.1	3970.9	1443.7	192.5	846.8	124.7	360.2	228.4	371.9	402.6	763.8	854.6	739.3	24.5	204.0	177.8	27.6
SMDH 00245	813771.5	8193268.9	166.1	2	3	50	2091.2	3452.0	1643.0	128.4	497.9	99.2	286.3	181.5	295.6	320.0	417.3	478.7	403.2	14.1	115.6	97.5	23.0
SMDH 00245	813771.5	8193268.9	166.1	3	4	40	2198.6	3490.4	1764.0	117.4	522.2	91.1	263.1	166.8	271.7	294.1	397.0	452.6	384.1	12.9	105.3	91.9	23.0
SMDH 00245	813771.5	8193268.9	166.1	4	5	40	2209.0	3574.4	1761.0	125.5	505.3	99.2	286.3	181.5	295.6	320.0	455.4	514.9	440.3	15.1	123.4	105.6	19.9
SMDH 00245	813771.5	8193268.9	166.1	5	6	95	1656.0	3258.5	1161.8	99.2	653.0	112.7	325.5	206.4	336.1	363.8	382.5	427.6	369.6	12.9	99.5	93.8	19.9
SMDH 00245	813771.5	8193268.9	166.1	6	7	90	1915.3	4122.7	1305.5	102.8	765.1	163.4	472.0	299.3	487.3	527.4	516.8	565.0	507.2	9.6	116.1	122.2	27.6
SMDH 00245	813771.5	8193268.9	166.1	7	8	75	1794.6	3385.0	1355.8	76.4	540.5	118.4	341.9	216.8	353.0	382.1	467.6	502.9	459.2	8.4	108.1	113.7	18.4
SMDH 00245	813771.5	8193268.9	166.1	8	9	75	1532.1	3038.0	1112.7	82.4	489.9	113.4	327.6	207.7	338.3	366.1	388.1	425.8	378.7	9.4	92.5	94.1	19.9
SMDH 00245	813771.5	8193268.9	166.1	9	10	95	1647.0	3214.8	1171.6	80.8	668.5	108.5	313.3	198.6	323.5	350.1	424.8	461.4	414.7	10.1	103.1	105.9	18.4
SMDH 00245	813771.5	8193268.9	166.1	10	11	70	1669.0	3387.7	1193.6	98.2	531.4	131.2	378.8	240.2	391.1	423.3	455.3	500.3	443.9	11.4	109.1	109.8	23.0
SMDH 00245	813771.5	8193268.9	166.1	11	12	98	1901.3	3640.1	1354.6	95.7	790.1	117.4	338.9	214.9	349.9	378.7	467.6	511.3	455.1	12.5	103.7	98.3	18.4
SMDH 00245	813771.5	8193268.9	166.1	12	13	60	1944.4	4157.9	1243.7	145.2	938.3	153.5	443.3	281.0	457.7	495.3	617.6	683.7	597.4	20.3	160.0	148.0	24.5
SMDH 00244	813899.3	8193264.5	166.3	0	1	55	1498.2	3148.0	983.8	128.1	598.4	120.5	348.1	220.7	359.4	389.0	424.6	482.8	406.1	18.5	121.7	104.0	19.9
SMDH 00244	813899.3	8193264.5	166.3	1	2	25	1680.1	3229.9	1095.2	192.8	668.4	106.8	308.3	195.5	318.3	344.5	616.8	706.4	590.7	26.1	182.0	151.2	27.6
SMDH 00244	813899.3	8193264.5	166.3	2	3	95	1891.3	4005.9	1144.5	190.2	990.4	140.9	406.9	258.0	420.2	454.8	530.3	614.9	500.2	30.2	145.6	110.6	27.6
SMDH 00244	813899.3	8193264.5	166.3	3	4	30	2598.1	9888.4	1212.3	167.0	869.8	640.5	1849.5	1172.7	1909.7	2066.8	525.6	602.4	502.2	23.4	142.5	111.7	24.5
SMDH 00244	813899.3	8193264.5	166.3	4	5	90	2161.7	4266.6	1489.3	162.0	827.1	149.9	432.9	274.5	447.0	483.8	565.8	638.7	540.9	24.9	145.4	120.2	23.0
SMDH 00244	813899.3	8193264.5	166.3	5	6	98	1882.5	4004.8	1237.5	149.9	763.1	155.5	448.9	284.6	463.5	501.7	528.3	596.2	508.1	20.2	125.4	108.7	29.1
SMDH 00244	813899.3	8193264.5	166.3	6	7	75	2005.5	3971.2	1405.2	134.9	731.4	142.5	411.5	260.9	424.9	459.8	596.5	657.9	579.0	17.4	162.3	161.6	27.6
SMDH 00244	813899.3	8193264.5	166.3	7	8	70	1729.9	3489.0	1191.6	127.4	634.2	128.8	371.8	235.8	383.9	415.5	487.2	545.4	470.6	16.6	129.0	119.2	24.5
SMDH 00244	813899.3	8193264.5	166.3	8	9	85	1906.9	3815.6	1281.7	184.7	669.1	140.9	406.8	257.9	420.0	454.6	485.6	569.8	458.5	27.1	158.5	123.7	26.0
SMDH 00244	813899.3	8193264.5	166.3	9	10	98	1658.2	3392.7	1061.0	181.1	665.3	124.5	359.6	228.0	371.3	401.8	455.3	538.7	431.2	24.0	144.0	113.1	30.6
SMDH 00244	813899.3	8193264.5	166.3	10	11	90	1483.8	3077.6	894.7	154.8	800.2	103.0	297.3	188.5	307.0	332.2	403.4	474.4	381.1	22.3	132.2	102.9	21.4
SMDH 00244	813899.3	8193264.5	166.3	11	12	98	1392.8	2811.9	895.3	136.7	618.5	97.4	281.2	178.3	290.4	314.2	373.0	435.7	355.0	18.0	113.4	93.6	24.5
SMDH 00244	813899.3	8193264.5	166.3	12	13	98	2067.9	4347.3	1408.4	152.9	727.9	172.6	498.3	315.9	514.5	556.8	586.7	655.7	565.6	21.1	154.8	145.3	29.1
SMDH 00244	813899.3	8193264.5	166.3	13	14	75	2098.0	4443.3	1414.4	145.9	809.0	173.9	502.1	318.4	518.4	561.1	567.7	634.4	549.4	18.4	149.3	142.8	30.6
SMDH 00243	814016.2	8193261.9	163.5	0	1	40	2159.5	3935.4	1397.0	145.5	1375.5	85.3	246.3	156.2	254.3	275.3	780.0	845.5	758.0	22.0	197.3	194.9	21.4
SMDH 00243	814016.2	8193261.9	163.5	1	2	50	1962.2	3148.3	1478.7	148.4	638.6	74.0	213.7	135.5	220.7	238.8	610.2	680.9	593.9	16.3	162.4	151.7	27.6
SMDH 00243	814016.2	8193261.9	163.5	2	3	60	2072.1	3706.1	1469.0	179.1	743.2	110.2	318.3	201.8	328.7	355.7	836.9	921.2	815.8	21.2	214.1	207.5	32.1
SMDH 00243	814016.2	8193261.9	163.5	3	4	30	2425.1	4122.5	1840.6	177.4	650.6	121.9	352.0	223.2	363.4	393.3	704.9	789.1	685.3	19.7	188.0	175.9	33.7
SMDH 00243	814016.2	8193261.9	163.5	4	5	15	3362.8	4835.4	2754.8	211.4	721.8	96.2	277.8	176.1	286.8	310.4	822.3	920.4	794.4	27.9	231.0	209.3	33.7
SMDH 00243	814016.2	8193261.9	163.5	5	6	95	3007.6	5047.2	2317.7	174.2	878.0	140.6	406.1	257.5	419.3	453.8	674.8	757.9	656.3	18.5	178.3	165.6	33.7
SMDH 00243	814016.2	8193261.9	163.5	6	7	50	3385.8	5189.3	2759.5	187.2	715.4	128.0	369.7	234.4	381.8	413.2	731.0	819.1	711.2	19.8	188.2	182.4	41.3
SMDH 00243	814016.2	8193261.9	163.5	7	8	95	2533.2	4616.3	1808.7	206.6	865.4	145.5	420.2	266.4	433.9	469.6	781.3	878.8	758.1	23.1	209.9	194.2	39.8
SMDH 00243	814016.2	8193261.9	163.5	8	9	30	2260.4	4130.2	1576.4	200.4	844.7	126.5	365.3	231.6	377.1	408.2	658.7	754.1	637.5	21.1	180.7	160.5	39.8
SMDH 00242	814130.9	8193264.0	161.6	0	1	20	1673.4	3312.4	938.3	159.4	1292.0	77.4	223.4	141.6	230.6	249.6	601.5	676.5	581.4	20.1	166.9	148.7	24.5
SMDH 00242	814130.9	8193264.0	161.6	1	2	50	3256.6	5165.8	2442.0	214.2	1250.0	105.6	305.0	193.4	314.9	340.8	1461.8	1557.6	1426.6	35.2	359.5	366.0	24.5
SMDH 00242	814130.9	8193264.0	161.6	2	3	45	1619.4	3241.8	1094.3	136.5	620.3	116.6	336.7	213.5	347.7	376.3	524.9	588.7	507.4	17.5	144.0	127.6	21.4
SMDH 00242	814130.9	8193264.0	161.6	3	4	95	1872.8	3259.2	1415.9	124.5	531.2	99.6	287.5	182.3	296.9	321.3	407.5	465.1	391.0	16.5	118.8	100.7	19.9
SMDH 00242	814130.9	8193264.0	161.6	4	5	55	1416.2	2647.5	987.5	106.6	569.3	82.5	238.3	151.1	246.0	266.3	331.9	381.1	318.4	13.5	96.0	83.2	19.9
SMDH 00242	814130.9	8193264.0	161.6	5	6	35	2506.7	4705.6	1753.9	196.1	949.6	151.4	437.3	277.2	451.5	488.6	559.7	650.5	531.3	28.5	176.9	135.7	23.0
SMDH 00241	814258.8	8193264.7	161.1	0	1	25	1963.0	3678.9	1286.3	141.3	1107.6	95.9	276.9	175.6	285.9	309.4	858.9	923.2	835.8	23.1	216.2	209.4	12.2
SMDH 00241	814258.8	8193264.7	161.1	1	2	35	2231.0	3961.6	1524.5	147.0	1188.3	92.4	266.7	169.1	275.4	298.1	785.8	852.7	763.8	21.9	205.1	199.3	19.9
SMDH 00241	814258.8	8193264.7	161.1	2	3	45	2154.5	3821.7	1656.1	106.6	609.8	121.5	350.9	222.5	362.3	392.1	591.9	640.5	578.1	13.8	139.2	141.1	21.4
SMDH 00241	814258.8	8193264.7	161.1	3	4	45	1143.0	2131.7	871.8	57.0	295.5	76.1	219.7	139.3	226.8	245.5	288.4	314.9	282.8	5.7	62.1	64.5	15.3
SMDH 00241	814258.8	8193264.7	161.1	4	5	80	1342.2	2815.9	904.7	81.5	574.3	105.2	303.9	192.7	313.8	339.6	348.5	386.0	339.9	8.6	80.9	80.9	21.4
SMDH 00241	814258.8	8193264.7	161.1	5	6	80	3516.7	5172.8	2983.1	129.1	661.2	117.3	338.8	214.8	349.8	378.6	449.0	511.2	437.7	11.4	122.2	113.9	30.6
SMDH 00241	814258.8	8193264.7	161.1	6	7	90	1741.4	3112.7	1280.9	118.5	573.2	95.6	276.0	175.0	285.0	308.4	378.8	434.9	366.6	12.3	107.6	96.1	26.0
SMDH 00241	814258.8	8193264.7	161.1	7	8	45	1853.0	3628.2	1204.4	194.1	785.1	121.1	349.8	221.8	361.1	390.8	490.1	582.5	469.9	20.2	152.3	124.0	39.8
SMDH 00241	814258.8	8193264.7	161.1	8	9	95	1225.1	2338.5	851.3	71.3	555.6	72.1	208.3	132.1	215.0	232.7	303.7	337.2	296.0	7.7	81.8	78.3	15.3
SMDH 00241	814258.8	8193264.7	161.1	9	10	95	1616.1	3204.1	1108.1	104.5	690.8	109.0	314.9	199.7	325.1	351.9	436.8	486.3	426.5	10.3	113.6	109.3	24.5
SMDH 00241	814258.8	8193264.7	161.1	10	10.5	60	1616.9	2810.0	1223.5	80.3	555.5	79.7	230.2	145.9	237.7	257.2	284.6	322.9	276.5	8.0	81.1	73.6	16.8
SMDH 00240	814375.0	8193263.4	160.7	0	1	15	1727.1	3095.3	1186.6	111.3	891.9	75.9	219.2	139.0	226.4	245.0	395.5	448.7	384.2	11.4	107.2	97.5	23.0
SMDH 00240	814375.0	8193263.4	160.7	1	2	40	2509.2	3800.0	2117.8	82.4	492.4	92.8	268.1	170.0	276.8	299.6	326.0	364.9	317.9	8.1	86.3	84.8	19.9
SMDH 00240	814375.0	8193263.4	160.7	2	3	50	2929.4	4299.7	2445.2	139.7	583.2	94.9	274.0	173.7	282.9	306.2	434.1	500.9	420.0	14.1	127.2	112.2	29.1
SMDH 00240	814375.0	8193263.4	160.7	3	4	60	3838.1	5134.9	3404.1	109.2	547.3	90.1	260.1	164.9	268.6	290.7	335.1	385.7	322.3	12.8	97.1	86.4	23.0
SMDH 00240	814375.0	8193263.4	160.7	4	5	40	2650.6	4205.1	2134.8	141.1	602.9	111.2	321.1	203.6	331.6	358.8	461.8	525.5	441.2	20.6	128.7	111.4	23.0
SMDH 00240	814375.0	8193263.4	160.7	5	6	45	3236.8	4671.5	2763.4	148.9	478.4	107.4	310.1	196.6	320.2	346.5	498.4	565.0	476.0	22.4	146.5	130.5	24.5
SMDH 00240	814375.0	8193263.4	160.7	6	7	48	2534.0	4291.2	1974.5	139.1	670.0	126.4	365.0	231.4	376.9	407.9	487.6	549.9	467.7	19.9	138.8	128.2	26.0
SMDH 00240	814375.0	8193263.4	160.7	7	8	70	2974.2	4886.8	2291.8	223.0	735.5	137.2	396.2	251.2	409.1	442.8	667.1	771.9	640.5	26.6	192.6	160.0	39.8
SMDH 00239	814493.8	8193257.1	160.0	0	1	40	3700.1	7934.7	1702.7	212.3	4420.2	134.1	387.3	245.5	399.9	432.8	675.2	775.4	648.8	26.4	197.2	161.4	32.1
SMDH 00239	814493.8	8193257.1	160.0	1	2	40	4790.6	8845.0	2758.9	143.8	4881.2	89.0	256.9	162.9	265.2	287.1	310.2	378.5	295.8	14.4	97.3	76.0	32.1
SMDH 00239	814493.8	8193257.1	160.0	2	3	40	5063.2	10359.1	2401.2	203.6	6348.6	117.9	340.3	215.8	351.4	380.3	450.4	548.5	431.0	19.4	137.0	101.9	42.9
SMDH 00239	814493.8	8193257.1	160.0	3	4	30	4917.1	9764.8	2368.2	164.0	6300.7	78.1	225.6	143.1	233.0	252.1	338.1	417.0	323.0	15.1	105.9	79.4	36.7
SMDH 00239	814493.8	8193257.1	160.0	4	5	45	6639.2	14354.6	2407.2	216.7	10825.9	75.9	219.1	138.9	226.2	244.8	432.6	537.4	415.6	17.0	133.0	105.7	56.6
SMDH 00239	814493.8	8193257.1	160.0	5	6	70	3504.1	4570.7	3085.6	145.1	472.9	72.7	209.9	133.1	216.8	234.6	342.8	412.1	325.2	17.6	120.6	88.7	19.9

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00239	814493.8	8193257.1	160.0	6	7	85	2773.6	3834.8	2341.7	149.3	509.1	70.0	202.1	128.1	208.7	225.9	457.4	529.5	440.9	16.5	133.8	106.1	23.0
SMDH 00239	814493.8	8193257.1	160.0	7	8	80	1650.3	3239.4	1132.9	119.5	670.2	110.4	318.8	202.1	329.2	356.3	438.2	494.1	424.2	14.0	121.2	108.8	23.0
SMDH 00239	814493.8	8193257.1	160.0	8	9	85	1800.6	3560.7	1204.6	147.5	770.5	120.6	348.2	220.7	359.5	389.1	390.2	462.6	377.1	13.1	130.8	109.4	29.1
SMDH 00239	814493.8	8193257.1	160.0	9	10	55	2058.5	3911.4	1443.4	158.3	755.4	130.3	376.3	238.6	388.5	420.5	422.6	500.2	407.3	15.2	141.5	115.1	27.6
SMDH 00239	814493.8	8193257.1	160.0	10	11	75	1635.5	3145.6	1136.7	157.7	502.4	113.1	326.6	207.1	337.2	364.9	413.5	491.0	399.1	14.4	139.6	113.8	29.1
SMDH 00239	814493.8	8193257.1	160.0	11	12	70	1590.3	3414.4	951.2	183.9	764.0	127.0	366.9	232.6	378.8	410.0	443.4	533.2	425.8	17.6	155.3	124.9	33.7
SMDH 00239	814493.8	8193257.1	160.0	12	13	80	1873.7	3590.3	1274.4	179.7	686.6	121.5	351.0	222.5	362.4	392.2	463.3	551.3	444.4	19.0	166.7	130.1	26.0
SMDH 00239	814493.8	8193257.1	160.0	13	13.5	40	1588.7	3262.2	1002.7	159.8	731.8	114.7	331.2	210.0	342.0	370.1	402.7	481.2	387.9	14.8	135.5	108.7	29.1
SMDH 00256	814545.5	8193139.7	159.7	0	1	5	2037.3	4716.1	1116.8	261.8	1085.9	188.8	545.1	345.7	562.9	609.2	549.0	679.0	524.6	24.4	206.1	145.6	41.3
SMDH 00256	814545.5	8193139.7	159.7	1	2	25	1809.3	3251.9	1265.9	160.4	687.6	95.4	275.5	174.7	284.5	307.9	545.8	624.4	527.1	18.7	183.7	153.1	16.8
SMDH 00256	814545.5	8193139.7	159.7	2	3	35	1050.3	2070.4	768.0	59.1	313.1	78.0	225.2	142.8	232.5	251.7	146.6	175.9	141.5	5.1	49.0	34.3	10.7
SMDH 00256	814545.5	8193139.7	159.7	3	4	20	4121.7	5572.3	3555.2	122.6	905.2	83.0	239.5	151.9	247.3	267.7	499.9	556.3	484.2	15.7	136.6	128.5	23.0
SMDH 00256	814545.5	8193139.7	159.7	4	5	30	2730.4	3704.1	2385.3	106.0	393.5	68.7	198.4	125.8	204.8	221.7	231.0	283.9	220.1	10.9	92.6	59.1	12.2
SMDH 00256	814545.5	8193139.7	159.7	5	6	80	1735.4	3469.4	1283.2	112.7	387.4	141.4	408.2	258.8	421.5	456.2	234.0	291.2	223.7	10.3	94.3	58.5	13.8
SMDH 00256	814545.5	8193139.7	159.7	6	7	40	1224.8	2331.7	881.9	110.9	303.0	86.9	250.8	159.0	259.0	280.3	208.5	264.2	197.4	11.1	94.3	58.5	12.2
SMDH 00256	814545.5	8193139.7	159.7	7	8	35	1244.4	3021.9	688.3	179.8	499.3	138.7	400.5	254.0	413.6	447.6	341.6	432.3	323.5	18.0	153.2	94.8	18.4
SMDH 00256	814545.5	8193139.7	159.7	8	9	90	1543.6	3183.7	1039.7	139.1	525.0	124.1	358.3	227.2	370.0	400.4	330.9	401.1	318.2	12.7	125.5	87.0	18.4
SMDH 00256	814545.5	8193139.7	159.7	9	10	90	1457.4	3494.2	867.0	127.2	689.1	151.8	438.5	278.0	452.7	490.0	374.3	437.8	362.3	12.0	130.3	100.1	18.4
SMDH 00256	814545.5	8193139.7	159.7	10	11	40	1077.1	2767.3	648.8	75.4	457.5	132.9	383.9	243.4	396.4	429.0	219.2	256.9	212.1	7.0	79.4	60.3	10.7
SMDH 00256	814545.5	8193139.7	159.7	11	12	98	1361.5	2809.6	989.2	55.8	443.2	110.8	319.9	202.8	330.3	357.5	282.1	309.1	276.1	6.0	82.4	76.2	9.2
SMDH 00256	814545.5	8193139.7	159.7	12	12.5	70	2928.0	4508.0	2471.0	86.1	576.7	115.2	332.7	211.0	343.5	371.8	291.1	333.7	283.3	7.8	77.6	59.6	15.3
SMDH 00257	814439.7	8193135.6	160.1	0	1	15	2184.6	3696.7	1569.2	121.1	1057.9	79.5	229.6	145.6	237.1	256.6	624.6	680.4	606.5	18.1	166.7	157.3	13.8
SMDH 00257	814439.7	8193135.6	160.1	1	2	20	3059.1	4528.9	2465.1	176.8	798.5	91.3	263.5	167.1	272.1	294.5	900.5	981.2	873.7	26.8	238.4	227.5	21.4
SMDH 00257	814439.7	8193135.6	160.1	2	3	25	3130.3	4849.5	2646.8	116.1	495.7	133.4	385.2	244.2	397.7	430.4	377.7	436.7	369.8	7.9	90.6	59.3	23.0
SMDH 00257	814439.7	8193135.6	160.1	3	4	20	2852.8	3282.1	2696.4	28.6	255.2	25.3	73.1	46.4	75.5	81.7	68.3	81.7	66.0	2.3	18.9	16.4	9.2
SMDH 00257	814439.7	8193135.6	160.1	4	5	25	1965.6	3044.8	1595.1	95.9	471.0	74.0	213.7	135.5	220.7	238.8	262.3	310.7	255.6	6.6	72.0	60.9	19.9
SMDH 00257	814439.7	8193135.6	160.1	5	6	38	1388.3	2439.3	1134.1	35.6	281.2	82.9	239.3	151.7	247.1	267.4	176.4	194.0	173.6	2.9	45.5	41.9	7.7
SMDH 00257	814439.7	8193135.6	160.1	6	7	50	2159.5	4285.5	1598.0	100.8	636.3	163.5	472.2	299.4	487.6	527.7	418.2	468.9	409.5	8.7	120.2	101.1	15.3
SMDH 00257	814439.7	8193135.6	160.1	7	8	35	1415.2	2810.8	943.3	92.5	697.4	90.3	260.9	165.4	269.4	291.5	265.0	312.0	256.5	8.6	91.1	61.9	10.7
SMDH 00257	814439.7	8193135.6	160.1	8	9	85	1768.3	3713.9	1160.1	157.1	689.4	143.1	413.3	262.1	426.8	461.9	436.6	516.7	422.0	14.6	155.4	108.7	16.8
SMDH 00257	814439.7	8193135.6	160.1	9	10	80	2410.6	5103.0	1631.2	179.2	866.5	203.4	587.4	372.4	606.5	656.4	486.7	577.5	471.4	15.3	164.9	118.8	26.0
SMDH 00257	814439.7	8193135.6	160.1	10	11	90	1785.0	3865.5	1207.5	102.3	711.1	154.7	446.6	283.2	461.1	499.1	363.4	415.2	355.7	7.7	108.4	88.4	18.4
SMDH 00257	814439.7	8193135.6	160.1	11	11.5	60	1883.3	3783.7	1278.0	137.7	771.4	133.9	386.5	245.1	399.1	432.0	508.4	575.8	496.0	12.4	146.1	132.5	27.6
SMDH 00258	814316.9	8193146.8	161.3	0	1	20	2990.1	5387.4	1845.9	199.9	2261.4	90.6	261.5	165.8	270.0	292.3	1032.5	1129.2	1006.9	25.6	292.3	269.3	18.4
SMDH 00258	814316.9	8193146.8	161.3	1	2	25	1376.6	2503.9	987.5	115.3	444.8	80.2	231.5	146.8	239.1	258.7	332.3	389.2	322.1	10.2	105.2	86.7	21.4
SMDH 00258	814316.9	8193146.8	161.3	2	3	30	2127.7	3661.1	1653.4	138.0	473.4	117.1	338.1	214.4	349.1	377.8	370.1	438.6	358.4	11.7	121.6	98.0	26.0
SMDH 00258	814316.9	8193146.8	161.3	3	4	40	1730.1	3259.2	1160.0	222.7	516.1	114.1	329.4	208.8	340.1	368.1	383.9	490.7	357.7	26.2	159.5	102.5	32.1
SMDH 00258	814316.9	8193146.8	161.3	4	5	40	2530.0	3755.5	2130.1	102.6	481.8	87.3	252.0	159.8	260.2	281.6	296.4	344.0	284.3	12.1	90.4	77.7	21.4
SMDH 00258	814316.9	8193146.8	161.3	5	6	30	1809.0	3347.7	1327.6	127.5	535.3	113.8	328.6	208.4	339.3	367.3	365.0	423.3	349.4	15.6	106.4	92.8	27.6
SMDH 00258	814316.9	8193146.8	161.3	6	7	25	1790.1	3482.3	1238.6	159.7	597.4	124.6	359.9	228.2	371.6	402.2	430.5	503.5	411.9	18.6	122.9	107.9	38.3
SMDH 00258	814316.9	8193146.8	161.3	7	8	30	2077.9	3675.7	1577.6	114.5	621.9	114.2	329.7	209.0	340.4	368.4	416.8	468.6	402.0	14.9	110.8	102.1	24.5
SMDH 00258	814316.9	8193146.8	161.3	8	9	80	1950.9	4050.7	1343.4	74.0	913.5	144.2	416.4	264.0	429.9	465.3	287.2	321.9	281.2	6.0	71.7	72.8	23.0
SMDH 00258	814316.9	8193146.8	161.3	9	10	50	1689.1	3935.6	1030.8	73.6	1028.2	151.2	436.5	276.8	450.7	487.8	159.8	194.5	155.0	4.8	41.0	38.5	26.0
SMDH 00258	814316.9	8193146.8	161.3	10	11	95	1665.7	3094.6	1226.8	86.9	581.8	100.5	290.3	184.1	299.8	324.4	362.8	402.8	351.9	10.9	100.4	94.3	16.8
SMDH 00258	814316.9	8193146.8	161.3	11	11.5	50	1852.9	3368.5	1268.4	172.3	758.0	98.1	283.2	179.6	292.4	316.5	457.6	541.8	439.1	18.5	157.7	119.6	24.5
SMDH 00259	814202.0	8193149.3	162.4	0	1	5	2141.0	4239.8	1085.0	178.5	2164.7	68.1	196.5	124.6	202.9	219.6	687.6	776.3	667.8	19.9	188.3	145.9	16.8
SMDH 00259	814202.0	8193149.3	162.4	1	2	20	1464.2	3645.6	720.6	160.6	1053.4	143.4	414.2	262.6	427.7	462.9	364.2	444.2	352.8	11.5	105.6	76.5	36.7
SMDH 00259	814202.0	8193149.3	162.4	2	3	35	1669.3	3080.0	1294.0	87.1	358.7	112.4	324.5	205.7	335.0	362.6	188.9	232.5	183.0	5.9	57.0	40.0	19.9
SMDH 00259	814202.0	8193149.3	162.4	3	4	25	3854.4	5125.5	3486.8	81.0	421.3	95.3	275.1	174.4	284.1	307.5	232.7	272.8	226.1	6.6	63.6	49.0	16.8
SMDH 00259	814202.0	8193149.3	162.4	4	5	45	1784.1	3354.5	1283.9	134.5	562.5	115.2	332.6	210.9	343.4	371.6	299.0	366.3	288.0	11.0	92.3	61.3	24.5
SMDH 00259	814202.0	8193149.3	162.4	5	6	55	1359.6	2907.5	890.1	108.6	556.1	113.4	327.5	207.7	338.2	366.0	273.2	327.1	264.3	8.9	80.5	58.5	21.4
SMDH 00259	814202.0	8193149.3	162.4	6	7	30	1687.1	3299.9	1125.6	162.3	663.6	113.1	326.5	207.0	337.1	364.8	465.3	551.1	457.8	7.6	153.4	114.9	30.6
SMDH 00259	814202.0	8193149.3	162.4	7	8	50	2175.2	4076.6	1460.6	210.8	902.9	126.0	363.8	230.6	375.6	406.5	706.3	811.3	688.9	17.4	207.0	175.0	39.8
SMDH 00259	814202.0	8193149.3	162.4	8	8.5	10	1269.8	2586.7	952.3	53.9	315.3	106.1	306.3	194.2	316.3	342.3	242.2	268.4	238.5	3.7	56.9	57.9	15.3
SMDH 00260	814080.8	8193141.5	163.2	0	1	15	1462.2	2293.5	1144.9	107.3	357.5	57.3	165.6	105.0	170.9	185.0	495.2	546.0	482.7	12.5	134.8	126.0	18.4
SMDH 00260	814080.8	8193141.5	163.2	1	2	98	1645.8	3222.2	1114.7	157.3	588.9	114.1	329.6	209.0	340.3	368.3	430.0	507.3	416.5	13.5	132.6	108.2	32.1
SMDH 00260	814080.8	8193141.5	163.2	2	3	90	1469.5	2836.4	1043.3	128.0	416.4	104.7	302.3	191.7	312.2	337.8	337.3	400.7	326.8	10.4	105.7	84.6	26.0
SMDH 00260	814080.8	8193141.5	163.2	3	4	30	1853.0	3200.4	1415.4	131.4	455.0	100.5	290.2	184.0	299.6	324.3	402.9	468.3	392.3	10.7	119.4	99.8	26.0
SMDH 00260	814080.8	8193141.5	163.2	4	5	75	1372.0	2446.3	1008.5	95.8	448.4	74.9	216.3	137.2	223.4	241.8	302.1	349.0	293.8	8.4	86.3	73.7	19.9
SMDH 00260	814080.8	8193141.5	163.2	5	6	90	1870.8	3601.9	1355.4	89.1	704.3	121.8	351.8	223.1	363.3	393.2	420.4	464.2	414.1	6.3	105.6	105.9	23.0
SMDH 00260	814080.8	8193141.5	163.2	6	7	85	1151.2	2399.1	807.4	48.9	462.5	90.6	261.5	165.8	270.0	292.3	295.2	318.9	291.3	3.8	63.7	66.4	12.2
SMDH 00260	814080.8	8193141.5	163.2	7	7.5	60	1350.1	2519.3	968.1	62.3	590.9	75.3	217.4	137.8	224.5	242.9	236.1	266.3	231.9	4.1	58.6	57.4	18.4
SMDH 00261	813961.0	8193147.3	164.9	0	1	8	1381.7	2531.5	862.2	120.4	889.2	55.3	159.7	101.3	164.9	178.5	560.8	619.2	547.3	13.5	152.5	139.5	16.8
SMDH 00261	813961.0	8193147.3	164.9	1	2	45	1185.7	2229.7	845.7	69.7	472.5	70.6	203.8	129.2	210.4	227.7	427.3	460.4	419.4	7.9	126.0	117.9	12.2
SMDH 00261	813961.0	8193147.3	164.9	2	3	40	1633.1	2691.2	1295.4	90.3	382.2	77.4	223.5	141.7	230.8	249.8	520.6	563.9	511.6	9.0	148.0	138.3	18.4
SMDH 00261	813961.0	8193147.3	164.9	3	4	30	1744.3	2831.1	1426.9	66.9	379.7	80.3	231.9	147.0	239.4	259.1	563.4	595.2	556.0	7.5	151.9	149.8	12.2
SMDH 00261	813961.0	8193147.3	164.9	4	5	50	2091.3	3345.5	1736.2	71.9	416.5	94.0	271.4	172.1	280.2	303.3	635.1	669.4	627.9	7.2	169.4	168.5	15.3
SMDH 00261	813961.0	8193147.3	164.9	5	6	98	1786.9	3118.5	1414.9	79.4	413.1	101.5	293.2	185.9	302.7	327.7	518.6	556.9	511.1	7.6	144.1	138.4	16.8
SMDH 00261	813961.0	8193147.3	164.9	6	7	85	1768.9	2840.8	1425.9	76.7	444.5	74.9	216.3	137.2	223.4	241.8	479.8	516.4	471.7	8.0	71.8	67.6	15.3
SMDH 00261	813961.0	8193147.3	164.9	7	8	80	1641.4	2665.0	1314.3	65.1	452.5	69.9	201.7	127.9	208.3	225.4	653.0	683.9	645.3	7.7	174.6	174.5	10.7
SMDH 00262	813839.8	8193144.7	168.0	0	1	30	1282.8	2499.1	870.1	102.1	534.8	83.2	240.2	152.3	248.0	268.4	564.2	613.2	551.5	12.7	165.9	145.6	12.2

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00262	813839.8	8193144.7	168.0	1	2	25	1048.8	1876.3	750.5	103.0	305.7	60.1	173.6	110.1	179.3	194.0	391.5	441.5	379.3	12.1	132.4	105.9	12.2
SMDH 00262	813839.8	8193144.7	168.0	2	3	85	1846.0	3616.5	1142.4	281.2	670.6	127.6	368.6	233.7	380.5	411.8	509.6	650.0	482.0	27.6	210.1	130.4	36.7
SMDH 00262	813839.8	8193144.7	168.0	3	4	70	1473.6	2849.2	931.8	215.6	514.0	99.6	287.6	182.4	297.0	321.4	440.7	548.4	419.9	20.8	171.1	113.3	29.1
SMDH 00262	813839.8	8193144.7	168.0	4	5	70	1631.8	3240.0	996.7	256.4	591.2	117.0	337.9	214.3	348.9	377.6	469.7	597.1	443.9	25.7	190.7	119.2	33.7
SMDH 00262	813839.8	8193144.7	168.0	5	6	85	1439.3	2768.0	925.6	189.9	528.0	94.3	272.3	172.6	281.1	304.2	414.1	508.7	394.6	19.5	159.1	107.5	23.0
SMDH 00262	813839.8	8193144.7	168.0	6	7	25	1834.2	3456.7	1212.2	168.5	856.1	102.3	295.4	187.3	305.0	330.1	430.9	513.2	412.5	18.4	149.3	112.4	23.0
SMDH 00262	813839.8	8193144.7	168.0	7	8	40	1710.0	3167.7	1196.2	132.9	672.5	97.8	282.3	179.0	291.5	315.5	438.0	499.6	422.2	15.8	124.3	112.4	27.6
SMDH 00262	813839.8	8193144.7	168.0	8	9	90	1336.3	2596.7	933.5	99.9	485.8	90.3	260.9	165.4	269.4	291.5	378.5	424.1	365.7	12.8	105.8	98.7	19.9
SMDH 00262	813839.8	8193144.7	168.0	9	10	80	1466.1	2940.5	971.5	124.8	624.3	102.3	295.4	187.3	305.0	330.1	448.6	505.2	431.1	17.6	126.0	113.2	21.4
SMDH 00262	813839.8	8193144.7	168.0	10	11	25	1434.8	2564.9	1061.6	104.4	425.0	81.7	235.8	149.5	243.4	263.5	365.2	412.5	350.6	14.6	104.5	93.9	18.4
SMDH 00262	813839.8	8193144.7	168.0	11	12	40	1505.5	2938.8	1040.3	112.8	580.9	101.0	291.7	184.9	301.2	326.0	418.5	469.6	402.7	15.8	119.4	109.7	19.9
SMDH 00263	813715.6	8193139.3	168.6	0	1	30	1568.8	3222.7	946.0	123.8	1005.9	96.2	277.7	176.1	286.7	310.3	546.5	602.8	528.9	17.6	147.9	139.5	19.9
SMDH 00263	813715.6	8193139.3	168.6	1	2	20	1455.5	2832.8	1023.1	108.6	504.3	100.3	289.8	183.7	299.2	323.8	368.0	417.5	353.4	14.6	103.9	92.7	19.9
SMDH 00263	813715.6	8193139.3	168.6	2	3	35	1717.1	3463.2	1100.5	109.3	991.1	105.8	305.6	193.8	315.5	341.5	483.1	534.8	471.5	11.6	128.8	127.0	23.0
SMDH 00263	813715.6	8193139.3	168.6	3	4	80	1927.8	3871.8	1294.2	135.8	859.7	132.6	383.0	242.9	395.5	428.0	462.1	529.0	450.5	11.6	134.0	117.7	27.6
SMDH 00263	813715.6	8193139.3	168.6	4	5	30	1599.5	3224.0	1054.6	129.9	715.1	111.0	320.6	203.3	331.1	358.3	444.9	508.7	433.5	11.4	131.0	115.8	26.0
SMDH 00263	813715.6	8193139.3	168.6	5	6	90	2633.9	4526.6	1995.8	137.9	893.8	125.7	363.0	230.1	374.8	405.6	491.2	558.1	478.2	13.0	142.8	128.1	27.6
SMDH 00263	813715.6	8193139.3	168.6	6	7	50	1609.9	3229.2	1003.0	170.3	796.0	105.6	305.0	193.4	315.0	340.9	409.9	493.8	393.0	16.9	142.1	103.6	26.0
SMDH 00263	813715.6	8193139.3	168.6	7	8	80	1437.9	2874.6	901.1	165.0	649.6	97.2	280.6	177.9	289.7	313.5	376.1	458.0	360.2	15.9	134.1	94.3	24.5
SMDH 00263	813715.6	8193139.3	168.6	8	9	90	1664.6	3144.0	1120.0	173.2	627.5	102.6	296.2	187.8	305.8	331.0	390.7	476.3	374.5	16.2	139.4	101.6	29.1
SMDH 00263	813715.6	8193139.3	168.6	9	10	96	1478.3	2942.6	939.4	164.8	644.6	100.1	289.0	183.3	298.4	323.0	359.7	441.0	343.7	16.0	129.7	91.8	26.0
SMDH 00263	813715.6	8193139.3	168.6	10	11	90	1380.1	2857.8	809.4	158.2	777.2	93.3	269.5	170.8	278.2	301.1	380.3	456.1	361.2	19.1	136.7	99.1	21.4
SMDH 00264	813599.2	8193142.0	169.9	0	1	30	2028.5	4865.0	1166.3	168.3	1136.6	200.7	579.5	367.5	598.4	647.6	683.1	759.8	659.5	23.6	177.1	160.6	27.6
SMDH 00264	813599.2	8193142.0	169.9	1	2	60	1342.5	3382.7	730.6	132.3	746.8	148.7	429.3	272.2	443.2	479.7	403.7	464.1	387.0	16.7	114.7	101.3	27.6
SMDH 00264	813599.2	8193142.0	169.9	2	3	90	1624.9	3237.5	1090.1	149.9	611.8	116.2	335.5	212.7	346.4	374.9	427.9	496.9	409.1	18.8	130.8	111.7	29.1
SMDH 00264	813599.2	8193142.0	169.9	3	4	40	1549.5	3073.9	992.8	182.3	616.3	107.5	310.5	196.9	320.6	347.0	457.3	540.3	431.4	26.0	149.9	118.2	29.1
SMDH 00264	813599.2	8193142.0	169.9	4	5	55	1676.1	3321.7	1065.4	202.0	682.1	115.1	332.2	210.7	343.0	371.3	435.7	529.2	409.3	26.4	149.1	110.1	33.7
SMDH 00264	813599.2	8193142.0	169.9	5	6	25	2245.1	3954.9	1667.4	154.9	701.9	120.0	346.4	219.6	357.7	387.1	429.6	500.5	408.8	20.7	131.9	110.2	27.6
SMDH 00264	813599.2	8193142.0	169.9	6	7	50	1789.2	3251.5	1261.3	142.4	687.0	97.3	281.1	178.2	290.2	314.1	434.1	499.2	414.3	19.7	128.4	108.3	23.0
SMDH 00264	813599.2	8193142.0	169.9	7	8	50	1833.4	3467.4	1272.2	148.8	700.9	112.8	325.8	206.5	336.4	364.0	418.9	490.1	403.1	15.8	123.6	99.4	27.6
SMDH 00264	813599.2	8193142.0	169.9	8	9	98	1535.2	2866.0	1081.6	99.9	636.0	87.9	253.9	161.0	262.1	283.7	367.9	413.5	355.1	12.8	97.6	90.3	19.9
SMDH 00264	813599.2	8193142.0	169.9	9	10	60	2162.8	3500.5	1665.0	113.0	745.7	81.9	236.5	150.0	244.2	264.3	327.8	383.3	317.6	10.2	102.0	84.1	21.4
SMDH 00264	813599.2	8193142.0	169.9	10	11	70	1468.3	2610.3	1047.5	107.1	582.5	73.2	211.4	134.0	218.3	236.2	272.2	324.3	262.3	10.0	86.3	69.1	21.4
SMDH 00264	813599.2	8193142.0	169.9	11	11.5	50	1755.5	2296.8	1564.8	67.8	182.2	40.4	116.7	74.0	120.5	130.4	317.1	349.2	309.0	8.1	84.1	78.2	10.7
SMDH 00265	813483.6	8193137.3	171.5	0	1	20	995.2	2152.8	521.8	85.0	846.0	58.7	169.5	107.5	175.0	189.4	327.0	368.2	316.6	10.3	98.5	83.7	9.2
SMDH 00265	813483.6	8193137.3	171.5	1	2	15	2314.3	3679.8	1855.5	127.0	539.1	97.1	280.4	177.8	289.5	313.4	258.9	321.4	250.3	8.6	81.1	65.2	33.7
SMDH 00265	813483.6	8193137.3	171.5	2	3	80	1440.3	2953.6	873.9	187.2	639.1	105.1	303.4	192.4	313.3	339.1	394.8	487.4	377.7	17.1	140.6	99.0	32.1
SMDH 00265	813483.6	8193137.3	171.5	3	4	25	1699.4	3425.8	1005.9	177.6	1032.3	101.5	293.0	185.8	302.5	327.4	491.9	578.3	472.5	19.4	163.4	125.0	26.0
SMDH 00265	813483.6	8193137.3	171.5	4	5	30	1280.0	2645.5	773.7	159.6	592.9	93.8	271.0	171.8	279.8	302.8	340.0	419.8	325.0	15.0	127.3	87.1	23.0
SMDH 00265	813483.6	8193137.3	171.5	5	6	30	1968.9	3917.4	1210.8	265.8	837.6	134.4	388.1	246.1	400.8	433.7	543.1	674.7	517.6	25.5	206.3	142.3	41.3
SMDH 00265	813483.6	8193137.3	171.5	6	7	30	2163.6	4084.5	1383.0	279.4	883.6	129.0	372.5	236.2	384.6	416.2	578.1	716.4	549.7	28.4	218.3	146.6	38.3
SMDH 00265	813483.6	8193137.3	171.5	7	8	20	1732.5	3282.9	1198.8	155.0	619.2	109.8	317.1	201.1	327.4	354.4	390.6	466.0	373.9	16.7	136.9	100.4	23.0
SMDH 00265	813483.6	8193137.3	171.5	8	9	30	2121.4	4492.0	1366.4	221.1	783.0	177.9	513.6	325.7	530.3	574.0	428.3	536.4	405.8	22.6	167.6	113.2	35.2
SMDH 00265	813483.6	8193137.3	171.5	9	10	40	2225.4	4500.2	1414.0	261.4	887.9	162.4	468.9	297.3	484.2	524.0	538.3	665.5	507.2	31.1	217.0	142.1	29.1
SMDH 00265	813483.6	8193137.3	171.5	10	11	45	1878.7	3776.3	1174.9	221.9	825.0	130.3	376.4	238.6	388.6	420.6	470.4	578.2	445.6	24.8	177.5	121.0	30.6
SMDH 00265	813483.6	8193137.3	171.5	11	11.5	40	2129.2	4376.4	1381.9	151.8	1066.8	148.9	430.0	272.6	444.0	480.5	544.8	614.5	525.4	19.5	145.3	132.7	29.1
SMDH 00012t	813240.4	8193620.0	161.5	0	1	50	1104.4	2621.1	622.6	108.8	614.9	106.9	308.6	195.7	318.7	344.9	362.7	413.1	349.5	13.3	100.0	88.2	21.4
SMDH 00012t	813240.4	8193620.0	161.5	1	2	30	1653.7	3063.1	1054.9	114.4	1072.5	68.9	198.8	126.1	205.3	222.2	555.3	608.0	539.0	16.4	144.8	134.7	15.3
SMDH 00012t	813240.4	8193620.0	161.5	2	3	70	2492.7	3608.1	2139.6	67.1	494.5	76.0	219.5	139.2	226.7	245.3	391.9	422.7	384.1	7.8	92.3	96.0	15.3
SMDH 00012t	813240.4	8193620.0	161.5	3	4	90	2064.0	3231.9	1713.9	70.3	446.8	83.9	242.3	153.7	250.2	270.8	284.2	316.8	276.1	8.1	76.7	73.8	15.3
SMDH 00012t	813240.4	8193620.0	161.5	4	5	95	1653.6	2964.1	1233.1	81.9	590.6	88.7	256.3	162.5	264.6	286.4	322.8	361.1	313.9	8.9	86.3	83.0	18.4
SMDH 00012t	813240.4	8193620.0	161.5	5	6	95	1747.1	3403.4	1197.7	90.9	857.9	105.4	304.3	193.0	314.2	340.1	405.9	448.5	396.5	9.4	106.0	106.1	21.4
SMDH 00012t	813240.4	8193620.0	161.5	6	7	30	1477.7	2775.4	1101.3	69.4	482.2	94.1	271.8	172.3	280.6	303.7	290.8	323.4	284.3	6.6	71.5	71.3	18.4
SMDH 00012t	813240.4	8193620.0	161.5	7	8	90	1897.4	4167.8	1156.5	131.3	1107.0	148.7	429.3	272.2	443.2	479.7	510.2	570.8	493.1	17.1	144.6	132.9	23.0
SMDH 00012t	813240.4	8193620.0	161.5	8	9	40	1430.4	3065.7	942.0	90.2	648.7	116.1	335.3	212.6	346.2	374.7	363.4	405.2	352.6	10.8	101.4	96.2	18.4
SMDH 00012t	813240.4	8193620.0	161.5	9	10	40	1405.5	2296.1	1151.0	47.6	316.8	65.4	189.0	119.8	195.1	211.2	217.3	239.7	212.3	5.0	54.8	53.2	10.7
SMDH 00159t	813902.9	8194702.3	170.5	0	1	40	2798.3	4758.1	1793.8	161.8	2105.8	58.4	168.7	107.0	174.2	188.5	1150.2	1222.9	1123.0	27.1	296.8	302.3	15.3
SMDH 00159t	813902.9	8194702.3	170.5	1	2	40	1426.8	2974.8	904.7	117.2	715.3	103.8	299.6	190.0	309.3	334.8	530.6	585.0	515.1	15.6	143.7	133.9	18.4
SMDH 00159t	813902.9	8194702.3	170.5	2	3	75	1509.6	2994.7	1003.4	138.1	612.4	104.0	300.4	190.5	310.2	335.7	493.2	557.3	475.3	17.8	143.8	127.8	23.0
SMDH 00159t	813902.9	8194702.3	170.5	3	4	75	1942.7	3784.5	1379.3	113.2	736.7	130.4	376.5	238.8	388.8	420.8	638.6	691.1	625.1	13.5	159.3	163.1	23.0
SMDH 00159t	813902.9	8194702.3	170.5	4	5	85	1800.4	3634.4	1209.4	130.1	779.2	127.1	367.0	232.7	378.9	410.1	585.5	645.9	570.4	15.1	154.7	152.5	27.6
SMDH 00159t	813902.9	8194702.3	170.5	5	6	90	1672.5	3386.0	1152.6	108.7	658.0	123.0	355.1	225.2	366.7	396.8	527.3	577.8	515.2	12.1	133.2	134.8	24.5
SMDH 00159t	813902.9	8194702.3	170.5	6	7	85	1691.1	3391.5	1185.5	107.5	616.6	124.2	358.8	227.5	370.5	400.9	581.7	631.3	568.4	13.3	147.6	150.2	21.4
SMDH 00159t	813902.9	8194702.3	170.5	7	8	85	1330.7	2683.3	952.1	56.0	512.4	97.5	281.5	178.5	290.7	314.6	249.7	276.2	245.2	4.5	59.9	62.6	16.8
SMDH 00159t	813902.9	8194702.3	170.5	8	9	90	968.6	1669.3	791.9	27.9	198.8	54.6	157.6	99.9	162.7	176.1	66.6	79.5	64.2	2.4	17.9	16.1	9.2
SMDH 00159t	813902.9	8194702.3	170.5	9	10	80	1404.9	2675.4	1067.7	66.0	365.4	98.6	284.8	180.6	294.1	318.3	366.0	396.6	359.1	6.8	89.0	93.4	16.8
SMDH 00159t	813902.9	8194702.3	170.5	10	11	85	2383.9	4372.2	1748.6	120.9	898.4	134.5	388.4	246.3	401.0	434.0	668.1	723.9	653.3	14.8	168.4	171.6	24.5
SMDH 00159t	813902.9	8194702.3	170.5	11	12	70	1973.3	3862.2	1417.0	102.7	726.1	135.5	391.3	248.1	404.1	437.3	638.6	685.7	626.4	12.1	153.0	162.2	23.0
SMDH 00159t	813902.9	8194702.3	170.5	12	13	60	2172.9	3801.3	1673.6	104.7	638.9	116.1	335.1	212.5	346.0	374.5	635.8	683.7	622.2	13.6	157.0	162.4	19.9
SMDH 00159t	813902.9	8194702.3	170.5	13	14	60	2089.8	3906.6	1529.0	97.0	798.6	124.2	358.8	227.5	370.5	400.9	531.1	575.9	520.2	10.9	129.8	135.5	23.0
SMDH 00164t	813290.4	8194708.0	161.3	0	1	30	2024.2	3225.0	1516.5	106.3	872.1	61.2	176.8	112.1	182.5	197.5	549.2	596.5	532.3	16.9	137.7	135.1	15.3

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00164t	813290.4	8194708.0	161.3	1	2	40	1456.8	2605.0	956.9	106.6	868.9	56.4	162.8	103.2	168.1	182.0	399.9	448.2	385.3	14.6	108.7	99.4	19.9
SMDH 00164t	813290.4	8194708.0	161.3	2	3	45	1582.8	3008.5	1111.7	153.9	457.0	107.8	311.4	197.4	321.5	347.9	364.5	436.4	349.8	14.8	106.3	92.8	41.3
SMDH 00164t	813290.4	8194708.0	161.3	3	4	75	1625.8	2915.8	1214.3	116.7	441.9	95.8	276.7	175.5	285.7	309.2	328.8	383.4	317.0	11.8	91.6	81.5	29.1
SMDH 00164t	813290.4	8194708.0	161.3	4	5	98	2475.5	3341.5	2196.8	71.7	329.4	62.3	180.0	114.2	185.9	201.2	172.1	205.3	163.7	8.4	53.7	43.2	15.3
SMDH 00164t	813290.4	8194708.0	161.3	5	6	80	1574.4	2925.8	1135.8	125.7	477.3	99.5	287.4	182.2	296.7	321.1	329.6	388.0	316.3	13.3	95.1	83.1	30.6
SMDH 00164t	813290.4	8194708.0	161.3	6	7	60	1387.9	2735.8	974.5	118.2	414.8	103.0	297.4	188.5	307.0	332.3	365.7	420.5	352.7	13.0	101.3	91.1	27.6
SMDH 00164t	813290.4	8194708.0	161.3	7	8	85	1440.0	2959.8	1007.3	106.2	444.2	117.5	339.4	215.2	350.5	379.3	444.4	493.3	431.8	12.6	113.2	109.3	23.0
SMDH 00164t	813290.4	8194708.0	161.3	8	9	80	1083.1	2429.4	756.7	61.4	305.8	109.5	316.1	200.4	326.4	353.2	265.8	294.2	259.2	6.6	66.9	66.9	15.3
SMDH 00164t	813290.4	8194708.0	161.3	9	10	70	1474.5	2971.1	1083.1	79.0	404.3	117.8	340.1	215.6	351.1	380.0	375.6	411.9	367.0	8.6	93.4	95.7	19.9
SMDH 00164t	813290.4	8194708.0	161.3	10	11	80	1621.6	3228.7	1127.6	93.1	672.4	112.0	323.4	205.0	333.9	361.4	509.8	552.0	497.5	12.4	124.4	123.3	18.4
SMDH 00164t	813290.4	8194708.0	161.3	11	12	90	1422.3	3247.4	913.5	115.4	539.0	140.8	406.6	257.8	419.8	454.4	414.4	468.3	403.3	11.1	97.1	93.9	30.6
SMDH 00164t	813290.4	8194708.0	161.3	12	13	85	1434.8	3058.0	933.4	125.3	574.1	119.5	345.0	218.8	356.3	385.6	382.6	440.3	366.9	15.7	105.1	90.3	24.5
SMDH 00164t	813290.4	8194708.0	161.3	13	14	85	1432.5	3186.6	888.2	183.2	455.9	139.1	401.7	254.7	414.8	448.9	375.6	460.1	351.3	24.4	127.0	89.7	30.6
SMDH 00164t	813290.4	8194708.0	161.3	14	15	70	1604.4	3258.0	1087.5	102.8	697.5	114.9	331.8	210.4	342.5	370.7	346.2	393.6	334.3	11.9	89.8	82.7	23.0
SMDH 00164t	813290.4	8194708.0	161.3	15	16	80	1696.8	3213.9	1271.3	88.8	482.8	114.9	331.9	210.5	342.7	370.9	388.5	429.6	379.2	9.3	94.5	95.2	23.0
SMDH 00164t	813290.4	8194708.0	161.3	16	16.5	60	1339.5	2785.4	931.5	82.1	478.6	108.4	313.1	198.5	323.3	349.9	389.9	427.6	380.7	9.2	92.5	94.1	19.9
SMDH 00164t	813290.4	8194708.0	161.3	16.5	17	60	1339.5	2785.4	931.5	82.1	478.6	108.4	313.1	198.5	323.3	349.9	389.9	427.6	380.7	9.2	92.5	94.1	19.9
SMDH 00241t	814258.9	8193265.0	161.1	0	1	40	2031.5	3705.1	1248.4	135.0	1538.5	65.7	189.6	120.2	195.8	211.9	815.6	875.2	791.6	24.0	219.9	213.0	12.2
SMDH 00241t	814258.9	8193265.0	161.1	1	2	40	2574.7	4447.8	1759.1	162.4	1459.6	89.4	258.3	163.7	266.7	288.6	1090.7	1163.5	1064.7	26.0	258.8	261.5	19.9
SMDH 00241t	814258.9	8193265.0	161.1	2	3	40	2059.3	3321.2	1545.0	117.4	826.4	69.8	201.6	127.8	208.1	225.2	784.6	836.6	765.8	18.8	183.3	189.5	16.8
SMDH 00241t	814258.9	8193265.0	161.1	3	4	50	1177.3	1955.8	946.3	51.3	273.1	57.4	165.9	105.2	171.3	185.4	249.8	273.3	244.3	5.4	58.8	60.7	13.8
SMDH 00241t	814258.9	8193265.0	161.1	4	5	80	1123.6	1782.6	923.8	38.5	264.4	46.6	134.6	85.3	139.0	150.4	176.4	194.3	172.8	3.6	39.7	39.6	10.7
SMDH 00241t	814258.9	8193265.0	161.1	5	6	98	1417.4	1913.9	1246.1	38.9	238.4	32.7	94.5	59.9	97.6	105.6	232.5	250.5	227.8	4.7	56.4	56.7	7.7
SMDH 00241t	814258.9	8193265.0	161.1	6	7	75	1652.1	3174.6	1136.8	112.5	720.5	101.0	291.7	184.9	301.2	326.0	383.8	436.6	372.9	10.9	99.9	94.8	29.1
SMDH 00241t	814258.9	8193265.0	161.1	7	8	98	1317.5	2306.8	978.9	78.3	463.5	65.9	190.4	120.7	196.5	212.7	268.8	305.2	260.4	8.4	71.4	65.8	18.4
SMDH 00241t	814258.9	8193265.0	161.1	8	9	70	1509.8	3067.9	1033.8	87.3	652.2	108.5	313.4	198.7	323.6	350.3	367.5	408.2	358.9	8.6	89.1	89.1	23.0
SMDH 00241t	814258.9	8193265.0	161.1	9	10	30	1692.3	3228.9	1176.8	74.9	851.0	94.4	272.7	172.9	281.5	304.7	374.5	409.2	366.5	8.0	89.9	91.5	18.4
SMDH 00262t	813839.1	8193144.7	168.1	0	1	40	3205.4	5083.2	2135.9	222.4	2161.7	47.2	136.4	86.5	140.8	152.4	1393.3	1491.7	1352.0	41.2	363.7	352.7	13.8
SMDH 00262t	813839.1	8193144.7	168.1	1	2	30	1071.3	2357.5	640.6	102.2	565.4	88.0	254.0	161.1	262.3	283.9	364.6	411.2	351.2	13.5	89.5	78.4	19.9
SMDH 00262t	813839.1	8193144.7	168.1	2	3	35	1269.5	2339.2	887.2	119.3	433.1	75.4	217.8	138.1	224.9	243.4	447.5	501.9	430.4	17.1	127.4	113.8	18.4
SMDH 00262t	813839.1	8193144.7	168.1	3	4	30	1298.0	2541.2	825.7	138.7	605.2	81.5	235.2	149.1	242.9	262.9	384.9	447.8	364.7	20.2	121.7	99.0	21.4
SMDH 00262t	813839.1	8193144.7	168.1	4	5	95	1435.5	2815.8	919.6	151.9	648.9	91.8	265.2	168.2	273.8	296.4	371.0	440.7	349.8	21.2	115.4	86.5	23.0
SMDH 00262t	813839.1	8193144.7	168.1	5	6	80	1916.6	3345.3	1393.7	145.8	672.7	95.0	274.3	173.9	283.3	306.6	436.3	502.6	415.4	20.9	126.7	104.7	23.0
SMDH 00262t	813839.1	8193144.7	168.1	6	7	98	1649.6	3139.3	1112.9	116.5	800.0	93.1	268.7	170.4	277.5	300.3	468.5	522.0	453.8	14.7	118.1	111.0	23.0
SMDH 00262t	813839.1	8193144.7	168.1	7	8	98	1978.3	3204.3	1534.4	116.7	590.5	80.7	233.1	147.8	240.6	260.4	376.7	430.2	361.4	15.3	103.9	89.2	21.4
SMDH 00262t	813839.1	8193144.7	168.1	8	9	70	1989.2	3435.0	1455.7	152.3	679.4	96.2	277.9	176.2	286.9	310.5	564.3	633.9	543.1	21.2	153.8	136.2	24.5
SMDH 00033bt	812635.9	8193736.4	163.8	0	1	50	2078.3	3667.2	1341.3	125.2	1447.5	63.1	182.4	115.6	188.3	203.8	799.4	856.1	778.6	20.8	186.1	173.8	10.7
SMDH 00033bt	812635.9	8193736.4	163.8	1	2	60	1293.8	3103.1	729.8	127.2	704.0	129.3	373.3	236.7	385.5	417.2	401.6	460.9	386.4	15.1	121.4	106.0	24.5
SMDH 00033bt	812635.9	8193736.4	163.8	2	3	60	1126.1	2649.6	684.4	119.7	426.3	119.0	343.6	217.9	354.8	384.0	250.2	305.9	235.4	14.8	89.1	66.5	21.4
SMDH 00033bt	812635.9	8193736.4	163.8	3	4	50	1254.8	2794.4	815.7	111.1	440.5	119.7	345.5	219.1	356.7	386.1	240.6	292.0	226.5	14.1	84.4	64.1	19.9
SMDH 00033bt	812635.9	8193736.4	163.8	4	5	98	803.2	1441.6	598.8	31.9	315.4	41.5	120.0	76.1	123.9	134.1	120.9	135.8	118.0	2.9	31.0	29.8	9.2
SMDH 00033bt	812635.9	8193736.4	163.8	5	6	98	1263.6	1924.1	1024.5	30.0	437.6	36.2	104.6	66.3	108.0	116.9	138.6	152.5	135.4	3.1	35.8	34.2	7.7
SMDH 00033bt	812635.9	8193736.4	163.8	6	7	98	1354.1	2452.0	1067.8	40.7	356.5	82.8	239.0	151.5	246.8	267.1	223.8	242.8	220.7	3.1	49.5	54.6	13.8
SMDH 00033bt	812635.9	8193736.4	163.8	7	8	98	1257.3	2671.8	901.0	58.2	392.5	110.7	319.6	202.6	330.0	357.2	188.3	215.7	183.7	4.6	47.7	47.0	18.4
SMDH 00033bt	812635.9	8193736.4	163.8	8	9	85	1246.3	2396.4	942.6	45.8	375.9	86.5	249.9	158.4	258.0	279.2	277.2	298.5	273.2	3.9	61.8	66.4	13.8
SMDH 00033bt	812635.9	8193736.4	163.8	9	10	80	1095.5	2382.0	703.0	82.3	499.3	92.0	265.7	168.5	274.3	296.9	292.7	330.7	282.7	9.9	76.8	69.2	16.8
SMDH 00033bt	812635.9	8193736.4	163.8	10	11	98	1302.6	2696.1	867.7	112.5	491.4	102.7	296.5	188.0	306.1	331.3	349.5	401.7	335.7	13.7	101.7	87.3	21.4
SMDH 00044t	813480.6	8193864.6	160.0	0	1	70	1249.7	2263.6	781.4	93.5	866.7	43.8	126.4	80.1	130.5	141.2	420.0	462.3	404.7	15.3	113.6	100.4	9.2
SMDH 00044t	813480.6	8193864.6	160.0	1	2	60	1956.7	3716.2	1274.7	171.6	995.8	106.8	308.5	195.6	318.5	344.7	580.4	659.1	556.4	24.0	171.7	148.7	26.0
SMDH 00044t	813480.6	8193864.6	160.0	2	3	70	1906.8	3454.4	1371.6	95.5	842.6	96.0	277.1	175.7	286.1	309.7	339.6	383.9	328.9	10.6	90.7	83.7	21.4
SMDH 00044t	813480.6	8193864.6	160.0	3	4	75	1834.0	3148.8	1392.8	83.7	657.5	85.1	245.7	155.8	253.7	274.6	190.3	229.8	181.5	8.7	60.4	46.8	18.4
SMDH 00044t	813480.6	8193864.6	160.0	4	5	98	2057.2	4004.0	1435.6	155.0	745.1	139.9	403.9	256.1	417.0	451.4	390.9	463.4	372.9	18.1	123.1	100.1	30.6
SMDH 00044t	813480.6	8193864.6	160.0	5	6	98	2661.0	4489.4	2087.1	121.2	752.6	128.2	370.1	234.6	382.1	413.5	509.3	565.7	495.1	14.2	137.3	131.0	24.5
SMDH 00044t	813480.6	8193864.6	160.0	6	7	98	2410.2	4475.3	1805.4	131.6	711.6	153.2	442.3	280.4	456.7	494.3	443.8	504.8	427.9	15.9	124.6	111.8	26.0
SMDH 00093t	813662.0	8194226.4	166.9	0	1	50	2711.3	4627.8	1795.0	165.2	1793.8	73.3	211.5	134.1	218.4	236.4	1138.0	1211.0	1109.1	28.9	276.1	280.4	16.8
SMDH 00093t	813662.0	8194226.4	166.9	1	2	40	1866.4	3735.9	1236.5	132.9	893.5	123.5	356.6	226.1	368.2	398.5	599.3	660.5	581.8	17.5	155.3	147.3	23.0
SMDH 00093t	813662.0	8194226.4	166.9	2	3	50	2426.5	4436.5	1769.5	136.8	909.2	135.9	392.5	248.8	405.2	438.6	663.9	727.2	645.5	18.4	173.4	165.6	21.4
SMDH 00093t	813662.0	8194226.4	166.9	3	4	60	1521.7	2819.3	1091.9	118.9	496.1	93.3	269.3	170.7	278.0	300.9	526.1	580.7	509.2	16.9	141.6	129.8	16.8
SMDH 00093t	813662.0	8194226.4	166.9	4	5	90	1613.0	3019.0	1119.8	129.9	633.8	95.2	274.9	174.3	283.8	307.2	422.1	482.3	404.7	17.4	124.6	105.3	19.9
SMDH 00093t	813662.0	8194226.4	166.9	5	6	50	1847.5	2995.8	1440.9	128.8	448.9	81.9	236.6	150.0	244.3	264.4	553.5	612.8	534.9	18.6	154.7	141.0	16.8
SMDH 00014bt	812938.1	8193626.4	162.3	0	1	60	1349.5	1844.6	1056.3	84.6	516.4	15.7	45.3	28.8	46.8	50.7	409.8	448.9	400.3	9.5	98.7	100.3	19.9
SMDH 00014bt	812938.1	8193626.4	162.3	1	2	50	1557.6	1846.1	1395.4	55.9	245.5	12.5	36.2	22.9	37.3	40.4	445.3	470.7	437.4	7.9	103.1	108.9	9.2
SMDH 00014bt	812938.1	8193626.4	162.3	2	3	50	2188.9	2458.2	2049.6	50.2	191.8	14.0	40.3	25.6	41.6	45.0	438.1	460.9	431.6	6.5	92.8	101.6	10.7
SMDH 00014bt	812938.1	8193626.4	162.3	3	4	70	1424.9	2195.2	1139.6	73.9	392.1	49.4	142.8	90.5	147.4	159.5	653.4	687.8	644.0	9.4	181.7	199.8	12.2
SMDH 00014bt	812938.1	8193626.4	162.3	4	5	40	1457.4	2205.8	1135.9	78.0	519.5	39.6	114.4	72.5	118.1	127.8	619.6	656.6	610.7	9.0	180.5	195.6	13.8
SMDH 00014bt	812938.1	8193626.4	162.3	5	6	80	1336.4	1984.3	1059.2	76.7	412.4	36.6	105.6	66.9	109.0	118.0	575.9	612.2	567.1	8.7	158.3	171.7	13.8
SMDH 00014bt	812938.1	8193626.4	162.3	6	7	65	1300.9	1815.2	1078.0	77.1	278.6	32.0	92.4	58.6	95.4	103.2	626.2	662.4	616.5	9.6	175.8	190.0	12.2
SMDH 00014bt	812938.1	8193626.4	162.3	7	8	80	1406.3	2195.0	1093.7	93.3	412.1	50.0	144.3	91.5	149.0	161.2	639.1	683.5	629.1	10.0	187.0	201.1	18.4
SMDH 00014bt	812938.1	8193626.4	162.3	8	9	80	1392.2	2208.2	1063.3	92.7	459.9	49.7	143.4	90.9	148.1	160.3	605.6	649.3	595.2	10.3	173.1	185.3	18.4
SMDH 00014bt	812938.1	8193626.4	162.3	9	10	70	1004.7	1794.6	710.6	82.4	383.5	51.8	149.6	94.9	154.5	167.2	398.2	436.9	389.9	8.2	108.1	110.5	19.9
SMDH 00014bt	812938.1	8193626.4	162.3	10	11	85	712.6	1438.6	505.3	45.4	233.8	54.8	158.4	100.4	163.5	177.0	189.1	210.2	184.7	4.5	45.9	44.8	12.2

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
BHID	Y2O3	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm3
SMDH 00035	23.6	83.0	183.2	19.7	68.4047	11.2959	1.03586	7.4	0.8	4.6	0.8	2.3	0.3	3.0	0.3	35.2	2.1	15.7	704.0	12.9	962.2	1.5	
SMDH 00035	26.0	83.9	207.8	19.9	71.8829	12.3333	1.03586	7.6	0.9	4.9	0.9	2.2	0.3	2.5	0.3	37.5	1.9	14.9	653.1	21.5	929.5		
SMDH 00035	27.0	91.9	196.9	21.4	75.3611	11.757	1.26605	8.1	0.9	4.9	1.0	2.3	0.3	2.5	0.3	36.6	1.5	13.2	563.0	24.3	796.5		1.5
SMDH 00035	20.0	62.2	128.0	15.5	51.0137	9.3364	0.92076	6.2	0.7	3.6	0.8	1.8	0.3	2.0	0.3	23.3	1.1	6.7	320.3	20.0	502.7	1.6	
SMDH 00035	21.4	86.1	179.8	21.3	71.8829	11.8722	1.26605	7.6	0.8	4.6	0.9	1.8	0.3	2.3	0.3	32.0	1.3	8.1	359.6	20.0	663.9		
SMDH 00035	25.7	78.1	165.4	18.4	66.0859	10.9501	1.38114	7.1	0.9	4.6	0.9	2.2	0.3	2.4	0.3	30.1	1.4	9.0	382.4	21.5	616.4		1.4
SMDH 00035	29.9	75.6	164.2	18.6	64.9265	10.2585	1.72643	7.9	0.9	5.7	1.1	2.9	0.3	3.0	0.3	29.5	1.9	7.0	301.4	28.6	551.7		
SMDH 00035	25.0	69.9	162.1	16.9	61.4483	9.10587	1.49624	6.2	0.8	4.6	0.9	2.1	0.3	2.3	0.3	27.0	1.9	7.4	339.5	21.5	448.5	1.0	
SMDH 00035	25.3	88.8	194.2	21.9	79.9987	12.5638	1.61133	8.4	0.9	5.0	0.9	2.2	0.3	1.9	0.3	39.4	1.9	10.0	455.2	17.2	471.9		1.6
SMDH 00035	29.8	74.0	164.3	18.3	61.4483	10.1433	1.49624	6.9	0.9	5.3	1.0	2.7	0.3	3.1	0.3	30.8	1.9	10.4	463.3	22.9	720.6		
SMDH 00035	33.7	78.5	169.9	18.3	60.2889	10.3738	2.07171	6.3	1.1	6.6	1.1	3.1	0.3	3.9	0.3	27.0	1.7	9.7	428.9	17.2	750.1		
SMDH 00035	39.8	97.0	207.6	22.8	75.3611	12.4485	1.84152	7.2	1.1	7.7	1.4	3.9	0.7	4.0	0.6	35.3	2.5	8.6	385.8	17.2	806.8		1.5
SMDH 00035	29.5	83.9	181.9	19.3	73.0423	11.0654	1.26605	7.3	0.9	5.4	1.0	2.5	0.3	3.2	0.3	34.8	2.2	8.5	353.4	21.5	664.3		
SMDH 00035	12.9	36.3	78.2	8.6	31.3038	5.87848	1.15095	3.9	0.3	2.7	0.3	1.1	0.3	1.4	0.3	13.1	0.9	7.3	313.5	20.0	622.1	1.2	1.5
SMDH 00035	4.6	13.9	26.2	2.9	9.27521	1.26791	1.61133	1.0	0.3	0.9	0.3	0.3	0.3	0.3	0.3	3.3	0.3	4.5	200.6	12.9	399.2		
SMDH 00035	3.4	10.9	21.7	2.0	6.95641	1.15264	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.4	0.3	6.4	306.2	17.2	417.9		
SMDH 00035	3.4	10.9	21.7	2.0	6.95641	1.15264	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.4	0.3	6.4	306.2	17.2	417.9		
SMDH 00036	19.9	63.4	137.0	15.9	55.6513	10.6043	1.49624	7.0	0.8	3.9	0.7	1.7	0.3	1.9	0.3	27.9	1.7	7.9	334.9	22.9	740.7		1.6
SMDH 00036	35.4	84.6	178.3	21.7	75.3611	14.408	1.38114	9.4	1.3	6.5	1.1	3.0	0.3	3.4	0.3	37.5	2.5	15.6	630.3	25.7	1005.1		
SMDH 00036	21.4	69.6	148.6	17.9	62.6077	10.7196	1.15095	7.6	0.9	4.2	0.7	1.6	0.3	1.9	0.3	33.6	2.2	14.2	566.4	15.7	749.8		
SMDH 00036	13.2	41.8	85.4	11.2	32.4632	5.76321	1.15095	4.7	0.3	3.2	0.3	1.0	0.3	1.3	0.3	16.5	1.7	6.3	266.0	20.0	704.0		1.4
SMDH 00036	13.4	55.3	122.5	13.6	46.3761	9.10587	1.03586	5.7	0.6	3.0	0.3	1.3	0.3	1.3	0.3	25.3	2.4	8.7	376.9	27.2	1007.2	2.8	
SMDH 00036	8.5	39.4	83.9	9.8	33.6226	6.80059	0.92076	4.0	0.3	2.2	0.3	0.7	0.3	0.8	0.3	16.0	1.3	6.3	259.4	22.9	743.8		
SMDH 00036	10.1	40.9	82.9	9.6	32.4632	5.76321	1.38114	4.0	0.3	2.4	0.3	0.8	0.3	0.9	0.3	14.3	1.2	3.8	168.6	14.3	475.1	1.9	1.2
SMDH 00036	6.3	33.9	71.2	7.7	26.6662	4.03425	1.61133	2.9	0.3	1.1	0.3	0.6	0.3	0.7	0.3	11.4	0.9	5.0	266.9	15.7	786.0		
SMDH 00036	16.0	74.9	157.7	18.5	60.2889	10.7196	1.84152	6.0	0.6	3.2	0.6	1.4	0.3	1.7	0.3	29.1	1.7	11.8	511.5	14.3	945.6		
SMDH 00036	5.2	22.3	45.5	5.2	17.391	2.76634	1.49624	1.6	0.3	0.9	0.3	0.3	0.3	0.3	0.3	7.4	0.3	6.4	266.1	12.9	729.7		1.7
SMDH 00036	9.0	37.3	77.5	8.6	28.985	5.41742	1.26605	3.3	0.3	1.6	0.3	0.8	0.3	1.0	0.3	13.7	1.2	6.5	292.2	18.6	904.5		
SMDH 00036	20.2	98.9	207.2	24.1	82.3175	12.9096	1.61133	7.1	0.8	4.5	0.8	2.1	0.3	2.2	0.3	37.8	2.0	12.6	560.9	21.5	1364.4	0.8	
SMDH 00036	13.3	48.8	101.5	11.5	39.4197	6.91585	1.72643	4.0	0.6	2.7	0.3	1.1	0.3	1.3	0.3	18.4	1.8	13.3	603.8	41.5	1480.0		1.6
SMDH 00036	22.7	88.2	189.1	21.1	71.8829	10.8348	1.72643	7.3	0.8	4.4	0.8	2.1	0.3	2.0	0.3	33.6	2.1	10.0	461.8	25.7	958.4		
SMDH 00036	19.0	57.3	121.6	13.3	46.3761	7.95323	1.38114	5.7	0.6	3.9	0.7	1.7	0.3	2.3	0.3	20.1	1.8	5.4	224.2	15.7	830.9		
SMDH 00036	29.5	78.1	169.9	18.5	62.6077	11.0654	1.72643	6.8	0.8	5.6	1.0	3.1	0.3	3.3	0.3	29.9	1.9	6.1	257.5	15.7	708.2		1.3
SMDH 00036	22.2	88.6	178.3	20.3	69.5641	10.6043	1.49624	6.8	0.7	3.9	0.9	1.9	0.3	2.2	0.3	30.3	2.0	10.3	440.6	28.6	864.5		
SMDH 00036	24.2	83.8	168.3	18.6	62.6077	10.3738	1.38114	6.1	0.8	3.7	0.9	2.2	0.3	2.3	0.3	29.2	2.0	10.8	485.1	37.2	1055.1	0.9	1.6
SMDH 00036	31.9	60.5	124.2	13.7	49.8543	7.83797	1.72643	5.7	0.8	5.2	1.3	2.7	0.6	3.2	0.3	20.8	1.9	15.2	680.1	32.9	1216.3		
SMDH 00036	31.9	60.5	124.2	13.7	49.8543	7.83797	1.72643	5.7	0.8	5.2	1.3	2.7	0.6	3.2	0.3	20.8	1.9	15.2	680.1	32.9	1216.3		
SMDH 00037	32.6	120.6	265.0	31.8	112.462	19.7102	0.80567	12.6	1.4	6.5	1.1	2.7	0.3	3.1	0.3	62.2	3.8	27.7	1208.4	7.2	424.2		
SMDH 00037	37.6	124.3	243.1	24.1	98.5491	18.4423	1.95662	11.0	1.6	7.3	1.3	3.1	0.3	3.1	0.3	51.3	2.8	12.3	571.0	20.0	801.2		1.4
SMDH 00037	14.2	52.7	100.5	10.6	40.5791	7.03112	1.84152	4.2	0.6	2.9	0.3	1.1	0.3	1.1	0.3	20.8	0.8	7.9	385.8	12.9	571.1		
SMDH 00037	13.1	82.1	164.2	16.8	63.7671	11.4112	1.72643	6.9	0.8	3.3	0.3	0.9	0.3	0.8	0.3	30.4	1.2	5.3	242.6	14.3	645.9		
SMDH 00037	20.8	99.8	208.1	21.0	81.1581	13.947	1.49624	8.4	1.1	4.7	0.8	1.7	0.3	1.8	0.3	45.5	1.3	7.7	356.1	28.6	846.1		
SMDH 00037	7.9	53.5	107.1	10.6	39.4197	6.80059	1.49624	4.2	0.3	1.9	0.3	0.6	0.3	0.3	0.3	22.7	0.6	6.0	270.2	17.2	636.8	0.9	
SMDH 00037	7.1	47.6	91.5	9.2	34.782	6.109	1.84152	3.1	0.3	1.6	0.3	0.6	0.3	0.6	0.3	19.0	0.3	4.7	241.1	14.3	565.1		1.7
SMDH 00037	17.9	111.7	224.3	22.2	88.1145	15.6759	1.61133	8.5	1.1	4.2	0.6	1.5	0.3	1.3	0.3	48.6	1.3	9.9	467.6	22.9	1040.4		
SMDH 00037	10.5	76.3	154.1	15.3	60.2889	11.4112	1.61133	6.1	0.8	3.1	0.3	0.9	0.3	0.9	0.3	33.8	0.9	5.3	239.4	11.4	508.3		
SMDH 00037	20.3	79.8	171.0	19.8	71.8829	13.7164	1.03586	8.6	0.9	4.4	0.8	1.8	0.3	2.0	0.3	34.9	1.8	9.3	367.3	17.2	722.5	1.0	1.7
SMDH 00037	11.7	119.1	245.3	27.7	103.187	17.0591	1.49624	10.2	0.9	3.1	0.3	0.8	0.3	0.6	0.3	48.0	2.2	11.2	463.2	34.3	1237.6		
SMDH 00037	13.9	70.6	139.6	17.1	57.9701	9.6822	1.84152	7.0	0.8	3.3	0.6	1.1	0.3	1.3	0.3	26.0	1.4	6.0	243.5	24.3	722.5		
SMDH 00037	9.1	114.1	236.7	27.3	93.9115	16.2523	1.61133	9.1	0.9	3.3	0.3	0.3	0.3	0.3	0.3	46.2	1.7	9.4	399.3	37.2	1082.2		1.6
SMDH 00037	19.4	64.5	149.1	15.9	59.1295	10.2585	0.28774	6.6	0.7	3.6	0.7	1.8	0.3	1.9	0.3	31.3	1.9	13.8	571.7	15.7	460.2		
SMDH 00037	19.3	94.7	201.1	23.5	82.3175	14.0622	1.61133	9.3	1.1	4.0	0.7	1.5	0.3	1.7	0.3	40.4	1.8	8.8	379.7	25.7	957.3	1.6	
SMDH 00037	19.3	94.7	201.1	23.5	82.3175	14.0622	1.61133	9.3	1.1	4.0	0.7	1.5	0.3	1.7	0.3	40.4	1.8	8.8	379.7	25.7	957.3	1.6	
SMDH 00038	45.2	114.3	235.7	31.1	99.7085	19.5949	1.84152	11.3	1.3	7.6	1.3	3.5	0.3	3.4	0.6	43.8	2.2	22.2	1156.0	17.2	777.6	2.0	
SMDH 00038	44.1	118.0	252.1	33.4	106.665	18.9033	1.84152	11.6	1.2	7.1	1.3	3.7	0.3	3.6	0.3	51.6	2.5	19.1	828.6	14.3	745.6		
SMDH 00038	22.9	101.7	219.6	27.9	93.9115	15.9065	1.61133	8.8	0.8	4.4	0.7	1.9	0.3	1.8	0.3	51.3	1.8	8.3	367.8	14.3	784.2		1.5
SMDH 00038	11.9	75.4	155.4	19.6	61.4483	10.7196	1.26605	6.1	0.3	3.0	0.3	1.1	0.3	0.8	0.3	41.1	1.2	4.6	179.0	7.2	412.8		
SMDH 00038	11.9	76.6	161.7	20.2	64.9265	11.1806	1.61133	5.7	0.3	2.6	0.3	0.8	0.3	0.7	0.3	36.9	0.9	3.9	145.6	10.0	483.3	1.1	1.3
SMDH 00038	12.4	88.4	196.1	25.0	77.6799	14.6386	1.61133	8.0	0.7	3.1	0.3	0.8	0.3	0.3	0.3	47.4	1.5	5.7	234.5	11.4	563.2		
SMDH 00038	9.9	97.0	191.9	21.5	74.2017	10.7196	1.49624	6.3	0.6	2.4	0.3	0.7	0.3	0.6	0.3	37.8	0.9	5.7	249.6	17.2	543.3		
SMDH 00038	7.0	57.2	115.5	13.0	44.0573	7.14638	1.84152	4.1	0.3	1.6	0.3	0.6	0.3	0.6	0.3	24.2	0.7	9.6	420.5	12.9	827.1		1.6
SMDH 00038	11.3	107.5	220.9	25.8	89.2739	14.2928	1.84152	7.9	0.7	3.1	0.3	0.3	0.3	0.3	0.3	45.3	1.1	4.1	178.3	10.0	313.5		
SMDH 00038	11.5	114.7	244.5	25.3	91.5927	14.2928	1.72643	8.1	0.7	2.9	0.3	0.6	0.3	0.3	0.3	47.7	1.4	5.9	233.7	8.6	443.6	0.4	
SMDH 00039	19.6	79.4	194.7	21.7	70.7235	12.6791	1.03586	7.1	0.9	4.5	0.8	2.1	0.3	2.6	0.3	47.0	2.1	25.1	1047.3	15.7	949.8		1.6
SMDH 00039	43.5	130.6	185.0	33.6	112.462	18.2117	2.76229	12.3	1.4	8.2	1.5	4.5	0.7	4.3	0.3	28.8	1.2	13.2	570.3	12.9	908.0		
SMDH 00039	28.6	123.2	249.0	28.6	97.3897	15.7912	1.61133	9.6	1.2	5.4	1.0	3.0	0.3	2.6	0.3	51.1	1.4	13.0	571.5	28.6	1198.1	3.9	
SMDH 00039	15.0	96.4	205.0	24.6	82.3175	13.1401	1.15095	7.9	0.8	3.6	0.3	1.5	0.3	1.3	0.3	44.7	1.3	14.3	631.4	17.2	995.8		1.4
SMDH 00039	15.7	69.2	152.5	14.5	53.3325	9.3364	1.15095	4.7	0.3	3.2	0.3	1.3	0.3	1.3	0.3	28.3	0.8	7.2	356.7	14.3	851.9		
SMDH 00039	37.4	111.5	231.6	28.0	95.0709	15.9065	1.61133	11.1	1.3	6.8	1.3	4.5	0.3	3.4	0.6	47.6	1.5	10.8	483.3	17.2	911.0		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00039	17.7	93.8	191.9	22.7	77.6799	11.9875	1.84152	8.2	0.8	4.5	0.6	1.9	0.3	1.1	0.3	38.4	1.3	9.1	418.3	10.0	459.9	1.1	1.5
SMDH 00039	18.5	104.2	212.8	25.2	85.7957	14.1775	1.84152	9.1	1.1	4.7	0.7	2.1	0.3	1.0	0.3	42.8	1.4	8.8	386.3	14.3	738.1		
SMDH 00039	37.9	113.6	237.3	28.0	93.9115	17.2896	1.95662	10.8	1.4	7.4	1.3	4.2	0.3	3.0	0.3	47.2	1.7	10.5	462.1	18.6	928.5		
SMDH 00039	51.6	121.4	257.8	30.5	103.187	18.6728	2.07171	12.1	1.6	8.7	1.7	5.9	0.7	4.2	0.7	49.9	1.7	10.0	433.5	22.9	1042.7		1.7
SMDH 00039	47.5	104.4	220.1	25.7	84.6363	16.4828	1.72643	11.0	1.4	8.8	1.6	5.5	0.7	4.3	0.6	41.2	2.2	11.7	528.3	38.6	1057.5	0.6	
SMDH 00039	48.5	118.6	263.1	32.9	105.506	19.5949	1.61133	11.7	1.3	8.6	1.4	3.7	0.3	3.1	0.7	56.8	1.9	12.5	563.3	25.7	1180.8		
SMDH 00039	35.9	121.0	251.7	30.0	104.346	16.3675	1.61133	10.4	1.3	6.6	1.4	3.0	0.3	3.9	0.3	52.9	1.7	12.3	509.5	24.3	1117.0	1.7	1.6
SMDH 00039	36.8	117.1	252.7	32.3	105.506	17.1744	1.15095	10.4	1.1	6.2	1.3	3.3	0.3	3.5	0.3	53.3	1.2	10.7	525.3	18.6	1117.5		1.5
SMDH 00039	41.9	126.1	278.4	35.7	113.621	20.9781	1.95662	11.2	1.2	7.9	1.4	3.8	0.3	4.0	0.7	62.8	1.4	11.7	507.4	17.2	1075.2		
SMDH 00040	39.5	196.6	400.2	47.6	186.664	28.1245	1.26605	16.4	1.8	8.1	1.4	3.1	0.3	2.7	0.6	85.3	4.0	23.8	1079.6	17.2	432.8		
SMDH 00040	40.6	180.2	379.7	43.4	169.273	24.7818	1.38114	15.2	1.5	7.6	1.4	3.1	0.3	3.0	0.3	81.8	3.2	18.8	835.6	21.5	791.9		1.3
SMDH 00040	33.2	172.7	356.3	40.2	157.679	24.2055	1.84152	13.2	1.4	7.3	1.1	2.7	0.3	2.0	0.3	73.4	2.9	13.0	577.1	24.3	1069.1		
SMDH 00040	45.8	185.0	386.4	44.6	172.751	25.8192	1.84152	15.0	1.6	8.1	1.5	3.7	0.6	3.3	0.6	78.4	2.1	13.4	574.1	20.0	886.9	1.3	
SMDH 00040	23.3	73.7	146.3	16.2	63.7671	8.87535	1.61133	5.6	0.7	3.7	0.8	2.1	0.3	1.9	0.3	28.8	0.8	5.3	239.0	14.3	644.0		1.5
SMDH 00040	54.0	124.1	245.3	27.9	111.303	16.0217	1.84152	10.4	1.4	8.4	1.7	4.7	0.8	4.9	0.8	49.1	1.2	7.3	312.3	17.2	733.7		
SMDH 00040	12.7	82.4	159.3	21.3	70.7235	11.2959	1.61133	6.2	0.7	2.6	0.3	1.4	0.3	1.4	0.3	36.3	0.9	11.1	462.1	20.0	1002.3		
SMDH 00040	37.1	111.2	230.8	26.8	92.7521	16.4828	1.15095	9.5	1.2	6.3	1.1	3.0	0.3	3.0	0.3	44.3	1.5	11.7	492.9	34.3	903.1		
SMDH 00040	38.8	161.0	345.3	41.7	146.085	22.7071	1.26605	13.4	1.5	7.3	1.4	3.3	0.6	4.1	0.3	73.0	2.7	13.8	600.0	20.0	868.3		
SMDH 00040	9.9	117.4	238.2	31.6	107.824	17.0591	1.15095	8.9	0.7	2.9	0.3	0.9	0.3	0.7	0.3	56.9	1.9	19.6	855.7	40.1	1952.1	0.9	1.7
SMDH 00040	32.7	144.5	293.2	40.0	137.969	22.246	1.72643	11.8	1.4	7.0	1.1	3.1	0.3	3.2	0.3	71.9	1.9	13.9	636.1	30.0	1253.7		
SMDH 00040	41.2	152.2	309.0	42.5	143.766	24.6665	1.61133	14.7	1.6	8.6	1.5	3.9	0.6	3.9	0.3	73.5	2.4	16.4	712.3	22.9	1218.9		
SMDH 00040	44.4	132.2	270.0	35.8	121.737	21.4391	1.49624	13.9	1.4	8.2	1.3	3.7	0.3	3.5	0.3	62.1	1.8	10.5	453.1	21.5	967.3		1.6
SMDH 00040	42.3	148.2	302.9	40.5	135.65	22.246	1.61133	13.2	1.6	8.6	1.5	3.8	0.6	4.0	0.6	75.3	2.4	13.4	581.1	22.9	1208.4	0.5	
SMDH 00040	6.3	27.5	50.6	6.6	23.188	3.2274	1.95662	2.2	0.3	1.3	0.3	0.6	0.3	0.8	0.3	10.4	0.3	3.8	166.4	11.4	551.7		
SMDH 00040	6.3	27.5	50.6	6.6	23.188	3.2274	1.95662	2.2	0.3	1.3	0.3	0.6	0.3	0.8	0.3	10.4	0.3	3.8	166.4	11.4	551.7		
SMDH 00041																					658.3		
SMDH 00041	32.4	73.3	173.7	17.5	60.2889	10.6043	1.15095	7.1	0.9	5.2	0.9	3.2	0.3	3.1	0.3	29.2	1.7	6.3	269.5	21.5	760.8		
SMDH 00041	35.1	81.8	172.8	19.2	67.2453	12.1027	1.61133	7.8	0.9	5.7	1.3	3.7	0.6	3.6	0.3	31.2	1.7	7.5	323.9	32.9	798.6	1.1	1.3
SMDH 00041	33.3	99.8	221.1	25.5	86.9551	14.5233	1.72643	10.2	1.3	6.2	1.1	3.2	0.3	2.8	0.3	46.0	2.8	8.5	355.1	27.2	701.5		
SMDH 00041	38.3	111.0	240.4	27.5	97.3897	16.9438	1.95662	12.3	1.4	6.9	1.3	4.0	0.7	3.5	0.6	51.7	2.7	8.6	336.9	24.3	801.7		
SMDH 00041	31.4	110.9	239.1	26.8	93.9115	15.7912	1.84152	10.7	1.3	6.3	1.1	2.9	0.3	2.8	0.3	48.6	2.6	9.1	386.2	22.9	938.3		1.5
SMDH 00041	30.5	91.6	197.1	22.6	77.6799	13.6012	1.95662	9.3	1.1	5.5	1.0	3.0	0.3	2.7	0.3	40.5	2.2	9.4	387.5	21.5	798.6	0.8	
SMDH 00041	36.6	87.4	192.3	22.0	75.3611	13.1401	1.72643	9.3	1.2	6.0	1.3	3.7	0.7	4.0	0.6	39.6	2.6	13.1	515.9	24.3	1138.8		
SMDH 00041	36.8	83.6	181.5	21.7	70.7235	12.218	2.07171	8.7	1.1	5.7	1.3	3.7	0.6	3.5	0.6	36.9	2.0	7.4	301.9	17.2	619.5		1.5
SMDH 00041	45.8	130.2	288.9	32.1	110.143	18.9033	2.07171	13.7	1.6	9.0	1.6	4.7	0.8	4.4	0.6	58.3	3.2	15.4	570.4	30.0	1119.8		
SMDH 00041	28.9	98.6	214.8	24.0	81.1581	14.2928	1.84152	9.9	1.2	6.2	0.9	2.6	0.3	2.7	0.3	43.5	2.8	10.8	430.4	28.6	822.9	0.6	
SMDH 00041	30.8	93.6	203.6	23.7	81.1581	14.1775	1.84152	10.1	1.2	6.3	1.0	2.4	0.3	2.4	0.3	42.5	2.4	9.3	389.7	21.5	871.8		1.5
SMDH 00041	32.4	120.8	263.5	29.9	106.665	17.1744	1.72643	12.1	1.4	6.8	1.1	2.4	0.3	2.0	0.3	54.4	3.4	9.2	413.2	21.5	887.6		
SMDH 00041	28.9	93.2	199.8	23.4	81.1581	14.1775	1.61133	9.4	1.1	5.5	0.9	2.5	0.3	2.5	0.3	41.7	2.2	10.5	438.1	20.0	1053.0		
SMDH 00041	22.3	120.7	260.2	30.6	106.665	18.4423	1.95662	11.7	1.2	5.3	0.9	1.9	0.3	1.8	0.3	52.7	2.6	13.3	595.7	21.5	954.4	0.4	1.5
SMDH 00041	24.8	112.3	241.6	27.6	96.2303	17.0591	1.84152	10.1	1.2	5.5	0.8	1.8	0.3	2.0	0.3	51.2	2.1	8.3	360.0	17.2	913.1		
SMDH 00041	41.4	146.3	295.2	33.1	128.694	20.1712	1.95662	13.5	1.5	7.3	1.4	3.7	0.7	4.1	0.7	60.8	2.9	17.9	979.9	34.3	810.3		
SMDH 00041	19.1	96.5	191.4	21.6	81.1581	12.7943	1.61133	8.0	0.8	3.7	0.8	2.2	0.3	2.3	0.3	35.8	1.8	9.2	388.9	28.6	805.2	0.6	
SMDH 00041	19.1	96.5	191.4	21.6	81.1581	12.7943	1.61133	8.0	0.8	3.7	0.8	2.2	0.3	2.3	0.3	35.8	1.8	9.2	388.9	28.6	805.2	0.6	
SMDH 00042	30.0	100.5	216.3	24.3	82.3175	13.4859	1.38114	9.1	1.1	5.2	0.9	2.4	0.3	2.6	0.3	43.5	2.1	8.6	364.6	14.3	687.2		0.9
SMDH 00042	37.6	98.6	206.1	24.5	81.1581	12.5638	1.84152	9.4	1.2	6.6	1.1	2.9	0.3	3.4	0.3	38.3	2.2	8.7	352.6	18.6	899.8		
SMDH 00042	36.8	97.0	208.7	24.7	81.1581	12.1027	1.38114	8.7	1.2	6.3	1.1	2.7	0.3	3.5	0.3	37.0	1.7	11.0	453.3	15.7	886.7		
SMDH 00042	30.2	105.1	225.9	25.9	88.1145	13.0249	1.38114	8.7	0.9	5.2	0.9	2.2	0.3	2.4	0.3	41.5	1.4	8.5	318.1	14.3	757.1	0.8	1.5
SMDH 00042	46.0	109.9	231.9	27.6	89.2739	14.408	1.38114	10.5	1.4	7.3	1.4	3.4	0.3	4.1	0.3	43.0	2.8	9.0	347.0	24.3	889.3		
SMDH 00042	39.0	87.2	185.3	21.1	71.8829	10.9501	1.38114	8.6	1.2	6.2	1.1	3.0	0.3	3.6	0.3	34.3	1.7	7.5	284.5	15.7	780.4		
SMDH 00042	35.6	104.3	210.5	23.4	82.3175	12.5638	1.49624	8.7	1.3	6.3	1.1	3.7	0.3	3.4	0.3	37.2	1.8	9.9	394.7	21.5	760.8	0.9	
SMDH 00042	39.9	97.7	200.9	22.6	81.1581	13.0249	1.49624	8.5	1.1	6.6	1.3	4.3	0.6	4.0	0.3	35.3	1.4	7.7	289.7	24.3	893.0		
SMDH 00042	40.2	101.7	207.4	23.4	79.9987	12.7943	1.49624	8.7	1.2	6.8	1.3	4.3	0.3	3.9	0.3	38.5	1.4	8.3	331.2	21.5	868.3		1.6
SMDH 00042	38.1	101.4	204.5	23.1	78.8393	13.2554	1.61133	8.7	1.2	7.0	1.3	4.5	0.6	3.9	0.3	38.0	1.4	8.5	338.5	20.0	769.0		
SMDH 00042	33.6	120.6	245.4	28.0	95.0709	15.5607	1.84152	10.4	1.2	6.1	1.1	3.7	0.3	3.4	0.3	45.2	1.5	9.1	358.2	21.5	846.3	0.3	
SMDH 00042	39.8	121.4	252.9	29.1	100.868	15.7912	1.49624	10.0	1.3	6.5	1.3	4.5	0.6	4.1	0.6	46.3	1.7	10.3	389.3	21.5	934.4		1.5
SMDH 00042	30.9	104.4	210.0	24.1	82.3175	13.0249	1.61133	8.5	0.9	5.6	1.0	3.2	0.3	2.8	0.3	38.6	1.5	7.7	297.7	17.2	733.2		
SMDH 00042	33.6	98.0	197.3	22.5	78.8393	11.8722	1.49624	8.4	1.1	6.1	1.1	3.7	0.3	3.2	0.3	36.1	2.2	9.1	340.5	20.0	752.4		
SMDH 00043	36.1	105.1	209.4	26.9	91.5927	14.2928	1.26605	10.7	1.2	7.0	1.4	3.1	0.3	3.0	0.3	40.3	2.6	13.0	529.4	15.7	538.0		
SMDH 00043	56.9	155.2	267.6	41.0	163.476	27.0871	1.61133	16.8	2.1	10.9	2.1	6.5	0.8	4.8	0.7	77.2	3.7	14.5	641.1	20.0	729.0	1.5	1.6
SMDH 00043	52.2	190.0	384.6	47.2	165.794	25.8192	1.84152	19.8	2.2	11.3	1.9	4.2	0.6	3.5	0.6	76.4	4.1	17.0	721.7	20.0	948.4		
SMDH 00043	10.4	54.1	105.8	12.7	42.8979	5.87848	1.72643	4.6	0.3	2.2	0.3	0.7	0.3	0.6	0.3	19.3	0.9	11.4	514.2	14.3	738.4		
SMDH 00043	14.8	66.1	126.9	15.5	53.3325	8.52955	1.61133	5.8	0.7	3.3	0.3	1.1	0.3	1.0	0.3	22.8	1.2	11.6	495.5	18.6	901.2		1.5
SMDH 00043	22.4	88.7	177.5	21.9	76.5205	12.1027	1.72643	8.8	1.1	5.2	0.9	1.8	0.3	1.4	0.3	35.8	1.7	11.0	479.5	20.0	1007.5	0.8	
SMDH 00043	37.0	105.2	217.6	27.5	93.9115	15.2149	1.84152	11.6	1.3	7.8	1.4	2.9	0.3	2.7	0.3	41.2	2.4	10.6	431.9	18.6	932.0		
SMDH 00043	44.5	120.4	255.0	30.0	104.346	18.0965	2.18681	12.7	1.6	7.6	1.5	3.2	0.3	3.2	0.3	53.0	2.8	11.1	447.0	24.3	1107.2		1.5
SMDH 00043	48.4	117.3	252.5	29.4	99.7085	17.9812	1.95662	11.7	1.5	8.0	1.6	3.4	0.3	4.0	0.3	49.6	2.5	11.1	459.3	21.5	1192.7		
SMDH 00043	28.8	151.1	326.0	37.7	131.012	22.1307	2.07171	14.7	1.6	6.9	1.0	1.9	0.3	1.4	0.3	64.6	2.5	12.0	480.5	20.0	1192.7	0.2	
SMDH 00043	28.8	151.1	326.0	37.7	131.012	22.1307	2.07171	14.7	1.6	6.9	1.0	1.9	0.3	1.4	0.3	64.6	2.5	12.0	480.5	20.0	1192.7	0.2	
SMDH 00044	40.3	111.6	232.1	27.3	93.9115	17.4049	1.26605	11.2	1.3	7.9	1.3	4.6	0.3	3.8	0.3	46.7	2.8	13.0	539.0	15.7	623.5		
SMDH 00044	49.3	121.9	252.7	30.1	105.506	18.327	1.72643	13.2	1.5	9.5	1.7	5.9	0.7	4.3	0.3	52.6	3.3	10.0	437.9	18.6	787.2		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00044	75.3	94.6	197.3	24.4	81.1581	15.5607	1.49624	11.0	1.5	11.6	2.7	9.6	1.3	8.1	0.9	40.1	2.7	10.6	442.7	21.5	885.8		1.6
SMDH 00044	27.1	52.4	107.3	12.0	39.4197	7.37691	1.84152	5.0	0.7	4.8	0.9	3.7	0.3	2.5	0.3	18.7	1.2	7.9	341.1	18.6	710.8	0.7	
SMDH 00044	60.1	103.0	205.1	24.0	83.4769	13.7164	1.61133	10.0	1.4	9.7	2.1	7.5	0.9	6.1	0.8	38.2	2.1	13.4	552.2	34.3	1280.5		
SMDH 00044	23.3	82.3	168.4	19.9	67.2453	11.5264	1.38114	8.1	0.9	4.7	0.8	2.1	0.3	1.7	0.3	31.5	2.1	12.4	504.0	24.3	959.8		1.5
SMDH 00044	40.8	90.9	187.9	21.9	73.0423	13.1401	1.26605	9.6	1.2	7.2	1.5	4.9	0.7	4.5	0.3	34.1	2.1	9.8	435.9	27.2	912.6		
SMDH 00044	33.7	114.0	236.7	28.0	92.7521	16.5981	1.61133	11.0	1.4	7.2	1.3	3.8	0.3	2.7	0.3	44.7	3.1	10.3	435.1	27.2	948.6	0.3	
SMDH 00044	31.9	80.6	157.7	19.9	69.5641	11.6417	1.84152	8.4	1.1	6.0	1.1	2.6	0.3	2.4	0.3	28.6	2.0	9.7	405.5	15.7	915.4		1.7
SMDH 00044	35.7	93.9	188.5	23.4	78.8393	12.5638	1.61133	10.5	1.3	7.0	1.3	3.1	0.3	3.2	0.3	35.3	3.7	10.8	490.5	18.6	1007.5		
SMDH 00044	35.7	93.9	188.5	23.4	78.8393	12.5638	1.61133	10.5	1.3	7.0	1.3	3.1	0.3	3.2	0.3	35.3	3.7	10.8	490.5	18.6	1007.5		
SMDH 00045	41.2	106.3	219.2	26.5	84.6363	15.5607	1.49624	10.2	1.2	6.9	1.4	4.7	0.3	4.0	0.6	44.3	2.7	15.4	674.6	21.5	798.9		1.5
SMDH 00045	45.4	119.1	248.5	31.2	102.027	17.7507	1.61133	12.4	1.4	8.0	1.5	5.0	0.6	4.2	0.7	51.3	3.2	20.0	885.0	17.2	822.5	2.3	
SMDH 00045	50.1	195.5	411.7	47.3	163.476	27.7787	1.95662	17.5	2.1	11.3	1.9	4.3	0.3	4.3	0.6	82.7	4.0	15.3	694.0	21.5	588.4		
SMDH 00045	42.5	83.3	174.2	19.7	69.5641	12.6791	1.49624	8.6	1.2	7.3	1.7	3.4	0.6	4.1	0.3	34.3	2.6	7.9	346.1	18.6	693.8		1.6
SMDH 00045	48.8	96.7	199.6	23.2	77.6799	14.2928	1.72643	9.4	1.4	7.9	1.6	4.6	0.6	4.2	0.3	38.4	2.8	9.6	384.7	24.3	927.6		
SMDH 00045	66.3	99.4	208.8	24.7	83.4769	14.9844	1.72643	10.3	1.5	10.2	2.2	5.6	0.9	6.0	0.8	40.8	3.3	9.9	440.8	25.7	1094.6	0.3	
SMDH 00045	46.8	135.8	288.6	33.1	117.1	19.8254	1.72643	13.1	1.6	8.7	1.8	3.7	0.3	3.6	0.3	57.3	4.0	11.9	531.5	21.5	1068.9		1.5
SMDH 00045	26.0	111.7	231.3	26.9	96.2303	15.9065	1.38114	9.6	1.2	5.8	0.9	1.9	0.3	1.5	0.3	45.7	3.1	19.6	862.9	31.5	1747.3		
SMDH 00045	29.0	120.6	252.7	29.1	103.187	17.6354	1.49624	11.1	1.5	7.3	1.3	2.3	0.3	1.7	0.3	49.2	3.7	17.0	771.8	30.0	1492.9		
SMDH 00045	61.2	127.9	275.0	31.8	110.143	16.8286	1.49624	13.2	1.8	10.5	2.2	5.7	0.8	6.7	0.9	53.1	3.5	14.6	667.6	31.5	1508.3	0.4	1.5
SMDH 00045	42.2	93.5	196.3	23.2	78.8393	13.7164	1.61133	9.3	1.3	7.8	1.5	4.1	0.6	4.4	0.6	39.0	2.9	10.0	402.1	21.5	1068.9		
SMDH 00045	18.2	69.7	147.3	16.3	60.2889	9.6822	1.26605	6.5	0.7	3.8	0.6	1.8	0.3	1.4	0.3	28.5	1.4	8.7	328.2	12.9	750.5		
SMDH 00045	40.9	69.9	145.5	16.3	59.1295	9.56693	1.26605	7.8	1.1	6.2	1.3	4.2	0.6	4.7	0.6	26.8	2.2	9.4	377.5	21.5	972.4		1.6
SMDH 00046	10.8	27.4	55.9	6.4	22.0286	4.38004	0.28774	3.3	0.3	2.1	0.3	0.9	0.3	1.0	0.3	10.6	1.4	5.0	225.4	10.0	218.4		
SMDH 00046	17.5	48.6	95.3	11.4	40.5791	8.64482	0.92076	5.4	0.3	3.7	0.6	1.8	0.3	1.8	0.3	17.5	1.7	6.6	304.9	12.9	592.4		
SMDH 00046	39.8	132.2	270.1	31.9	111.303	18.5575	1.84152	14.0	1.5	8.1	1.4	3.5	0.3	2.7	0.3	50.1	3.7	14.6	659.5	17.2	1214.4		1.6
SMDH 00046	40.3	147.0	312.9	28.8	121.737	21.4391	1.61133	13.4	1.6	8.4	1.3	3.2	0.3	3.1	0.3	63.6	4.0	16.5	732.5	11.4	571.1		
SMDH 00046	58.4	179.5	367.9	42.6	159.997	26.8566	1.84152	18.4	2.1	11.9	1.9	4.9	0.7	5.0	0.6	73.7	4.4	21.1	930.0	15.7	1229.2	1.3	
SMDH 00046	44.7	190.2	390.8	46.0	156.519	27.4329	1.72643	18.3	1.9	8.9	1.4	4.0	0.6	3.0	0.3	79.5	3.8	8.1	353.4	12.9	1132.9		
SMDH 00046	18.1	64.5	131.5	14.5	51.0137	9.22114	1.15095	6.4	0.7	3.6	0.3	1.7	0.3	1.8	0.3	24.6	1.4	6.0	237.1	14.3	1388.5		1.5
SMDH 00046	16.2	61.2	121.5	14.3	47.5355	8.64482	1.15095	5.6	0.6	3.6	0.3	1.4	0.3	1.5	0.3	23.1	1.5	7.2	282.7	15.7	1110.7		
SMDH 00046	21.9	77.4	157.5	18.0	61.4483	10.8348	1.15095	8.0	0.8	4.0	0.8	2.2	0.3	1.8	0.3	30.9	2.7	10.0	394.2	20.0	995.3	1.1	
SMDH 00046	26.6	60.8	123.5	15.5	49.8543	8.76008	1.38114	6.1	0.7	4.5	0.9	3.2	0.3	2.4	0.3	24.1	2.1	10.0	411.3	18.6	840.9		1.5
SMDH 00046	44.1	74.4	150.9	18.1	61.4483	10.3738	1.15095	7.2	0.9	5.8	1.3	5.5	0.8	5.8	0.9	30.2	2.1	8.8	362.1	15.7	909.4		
SMDH 00046	39.0	73.2	163.0	18.5	62.6077	11.1806	1.49624	7.6	1.1	5.7	1.4	5.1	0.7	4.3	0.7	29.1	1.4	6.7	272.6	10.0	819.7		
SMDH 00046	35.5	86.8	177.5	21.1	74.2017	12.7943	1.03586	8.0	0.9	5.8	1.3	4.6	0.6	3.9	0.6	35.8	2.2	7.7	299.5	12.9	906.6		
SMDH 00046	29.8	76.6	156.9	18.6	66.0859	11.5264	1.15095	7.8	0.8	5.2	1.0	3.5	0.3	3.4	0.6	31.1	1.8	7.3	317.4	14.3	1019.6		
SMDH 00047	19.6	78.5	138.9	15.5	55.6513	9.79746	0.80567	6.3	0.8	4.8	0.6	2.1	0.3	2.2	0.3	24.2	2.0	10.6	444.4	10.0	483.5		
SMDH 00047	27.9	103.3	212.3	25.0	82.3175	15.3301	1.26605	10.3	1.1	5.7	1.0	2.2	0.3	1.8	0.3	39.3	2.9	11.3	478.6	12.9	583.3		1.6
SMDH 00047	25.9	141.0	284.9	34.0	107.824	18.7881	1.26605	13.1	1.4	6.1	0.9	1.9	0.3	1.7	0.3	54.6	4.1	10.0	402.4	18.6	516.7		
SMDH 00047	20.8	62.4	127.8	14.8	49.8543	8.64482	1.49624	6.1	0.8	4.1	0.6	1.6	0.3	1.5	0.3	21.7	1.3	6.7	293.0	25.7	923.4		
SMDH 00047	20.2	60.8	126.2	14.1	46.3761	8.29903	1.49624	5.8	0.7	3.7	0.7	1.7	0.3	1.6	0.3	21.5	1.2	7.2	303.3	20.0	815.9		1.4
SMDH 00047	21.0	68.2	138.2	15.6	49.8543	9.56693	1.49624	6.4	0.8	3.9	0.7	1.8	0.3	2.2	0.3	24.8	1.3	8.3	349.6	18.6	851.7		
SMDH 00047	18.0	61.4	127.4	14.5	48.6949	8.64482	1.61133	5.8	0.7	3.4	0.3	1.7	0.3	1.6	0.3	23.3	1.1	4.5	190.6	14.3	654.8		
SMDH 00047	40.7	83.5	172.7	19.6	64.9265	12.6791	1.61133	7.8	1.2	7.1	1.3	3.8	0.6	3.5	0.6	30.8	1.9	8.4	328.4	24.3	1015.4		1.5
SMDH 00047	19.1	66.0	126.0	14.2	52.1731	7.95323	1.61133	5.8	0.6	3.2	0.6	2.2	0.3	1.6	0.3	22.5	1.4	6.7	271.1	18.6	836.5		
SMDH 00047	22.1	70.4	140.9	16.1	55.6513	8.64482	1.61133	6.6	0.7	4.1	0.7	2.2	0.3	2.4	0.3	23.5	1.5	8.3	337.7	21.5	1325.4		
SMDH 00047	16.5	71.4	144.0	15.9	55.6513	8.76008	1.95662	5.6	0.6	3.2	0.3	1.4	0.3	1.3	0.3	23.7	1.2	9.9	445.6	14.3	1188.5	0.3	1.6
SMDH 00048	28.1	96.2	198.7	22.1	77.6799	13.2554	1.26605	8.1	0.9	5.3	0.9	2.3	0.3	2.4	0.3	39.1	3.4	13.8	606.4	24.3	726.0		
SMDH 00048	27.6	78.4	159.6	18.5	64.9265	11.6417	1.49624	7.8	0.9	5.0	0.8	2.1	0.3	1.9	0.3	30.7	2.6	8.0	323.1	21.5	688.4		1.4
SMDH 00048	20.8	39.8	84.1	10.2	35.9414	6.4548	1.15095	4.6	0.7	3.3	0.7	1.6	0.3	1.8	0.3	16.7	1.9	5.2	215.7	18.6	587.7	1.4	
SMDH 00048	27.8	54.4	112.8	12.7	46.3761	8.0685	1.26605	6.1	0.8	4.6	0.9	2.4	0.3	3.3	0.3	23.1	2.6	7.1	309.1	21.5	685.8		
SMDH 00048	51.6	83.8	177.0	20.4	70.7235	13.2554	1.61133	8.9	1.2	7.9	1.6	5.5	0.9	6.8	1.1	35.9	3.7	8.8	351.1	20.0	660.6		1.6
SMDH 00048	30.8	73.9	152.2	18.5	62.6077	10.6043	1.49624	8.5	1.1	5.5	1.1	3.3	0.3	3.1	0.3	28.7	3.1	9.6	376.1	21.5	729.7	1.3	
SMDH 00048	26.5	78.8	148.4	20.2	64.9265	10.9501	1.26605	8.4	0.9	4.9	0.9	3.1	0.3	2.5	0.3	29.5	2.5	12.7	432.4	22.9	951.9		1.5
SMDH 00048	23.8	90.8	171.8	23.7	74.2017	11.2959	1.38114	9.4	0.8	4.8	0.9	2.6	0.3	2.2	0.3	34.0	2.6	13.6	452.9	24.3	975.5		
SMDH 00048	14.8	84.4	153.0	21.1	68.4047	11.1806	1.61133	9.2	0.7	3.3	0.6	1.4	0.3	1.1	0.3	29.5	2.2	14.5	464.7	24.3	772.9		
SMDH 00048	22.7	57.5	109.6	15.4	51.0137	8.76008	1.15095	7.9	0.7	4.4	0.9	2.4	0.3	1.9	0.3	21.1	2.8	12.9	417.0	22.9	840.5	1.1	1.6
SMDH 00048	19.9	58.1	110.7	15.3	49.8543	7.26165	1.15095	7.7	0.8	3.9	0.8	2.3	0.3	1.9	0.3	20.6	2.6	13.4	427.9	20.0	772.9		
SMDH 00048	27.6	55.0	105.1	15.1	49.8543	9.91272	1.61133	9.1	0.9	5.3	1.0	3.0	0.3	2.4	0.3	20.3	2.9	11.1	367.7	17.2	1029.4		
SMDH 00048	27.6	55.0	105.1	15.1	49.8543	9.91272	1.61133	9.1	0.9	5.3	1.0	3.0	0.3	2.4	0.3	20.3	2.9	11.1	367.7	17.2	1029.4		
SMDH 00049	9.4	27.8	56.0	6.4	20.8692	3.91898	0.28774	2.2	0.3	1.8	0.3	0.8	0.3	0.8	0.3	9.8	1.1	4.0	173.3	21.5	154.9	0.2	
SMDH 00049	15.8	46.1	91.9	10.4	37.1009	6.80059	0.92076	3.8	0.3	3.1	0.3	1.3	0.3	1.4	0.3	16.9	1.5	6.6	277.7	10.0	364.6		1.6
SMDH 00049	18.4	55.8	114.2	13.1	45.2167	7.95323	1.26605	4.4	0.7	3.7	0.6	1.5	0.3	1.6	0.3	20.3	2.2	8.0	354.7	10.0	512.3		
SMDH 00049	7.6	19.4	35.2	3.7	12.7534	2.30528	2.87738	1.3	0.3	1.1	0.3	0.6	0.3	0.8	0.3	4.3	1.1	5.7	240.3	11.4	586.1		
SMDH 00049	7.6	19.7	36.3	4.0	12.7534	2.30528	2.87738	1.3	0.3	1.3	0.3	0.7	0.3	0.8	0.3	4.5	1.1	5.8	240.7	10.0	669.5	1.2	1.5
SMDH 00049	5.4	31.0	58.1	6.8	23.188	3.80372	1.84152	2.1	0.3	1.3	0.3	0.3	0.3	0.3	0.3	9.8	0.9	3.2	127.2	7.2	333.6		
SMDH 00049	10.1	44.3	86.8	9.7	32.4632	5.99374	1.49624	3.3	0.3	2.3	0.3	0.7	0.3	0.3	0.3	15.1	1.1	3.5	151.2	10.0	343.1		
SMDH 00049	12.4	52.2	106.1	11.8	39.4197	7.49218	1.49624	3.9	0.3	3.0	0.3	1.1	0.3	0.8	0.3	18.1	1.5	15.1	643.5	18.6	914.0		1.5
SMDH 00049	14.1	58.8	128.9	14.9	49.8543	9.56693	1.26605	5.7	0.7	3.3	0.3	1.0	0.3	0.9	0.3	25.2	1.9	6.6	292.6	12.9	600.3	1.3	
SMDH 00049	18.9	75.2	166.0	19.2	66.0859	12.218	1.26605	7.6	0.9	4.6	0.7	1.4	0.3	0.9	0.3	32.0	2.0	7.4	315.7	17.2	738.6		
SMDH 00049	15.3	92.3	193.1	22.6	75.3611	13.2554	1.49624	7.8	0.9	4.0	0.6	1.0	0.3	0.3	0.3	34.4	2.1	7.4	321.6	25.7	855.4		1.6

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00049	20.5	92.4	183.6	21.1	73.0423	12.218	1.61133	8.7	0.9	4.5	0.8	1.5	0.3	1.8	0.3	33.6	1.5	11.0	472.6	34.3	1062.8	1.6	
SMDH 00049	12.5	80.2	161.6	19.2	66.0859	11.757	1.15095	7.6	0.6	3.2	0.3	1.0	0.3	0.8	0.3	31.8	1.7	9.4	427.0	17.2	897.0		1.6
SMDH 00049	14.3	100.2	208.8	23.7	83.4769	14.0622	1.26605	9.4	0.9	4.1	0.3	1.0	0.3	0.7	0.3	41.7	2.4	8.5	375.7	21.5	929.7		
SMDH 00050	27.4	92.4	198.1	22.6	75.3611	13.7164	1.26605	8.2	1.1	5.4	0.9	2.2	0.3	2.0	0.3	37.5	2.5	11.9	521.3	20.0	621.8		
SMDH 00050	19.6	68.5	144.3	17.1	55.6513	9.91272	1.61133	6.0	0.7	3.9	0.7	1.6	0.3	1.6	0.3	30.3	1.7	6.7	289.9	15.7	462.3	1.6	
SMDH 00050	19.1	50.9	108.8	12.6	41.7385	7.83797	0.80567	4.5	0.6	3.6	0.7	1.6	0.3	1.6	0.3	21.1	1.7	5.7	240.2	14.3	569.5		1.4
SMDH 00050	22.9	54.6	116.5	13.0	44.0573	8.41429	1.15095	5.4	0.7	4.2	0.8	1.7	0.3	1.6	0.3	21.8	1.4	8.4	320.3	20.0	679.7		
SMDH 00050	21.3	72.8	155.1	17.7	57.9701	11.1806	1.61133	6.6	0.8	4.6	0.7	1.5	0.3	1.3	0.3	30.1	2.0	6.5	282.3	27.2	795.8		
SMDH 00050	20.5	72.8	157.3	16.6	57.9701	11.0654	1.49624	6.2	0.8	4.5	0.7	1.6	0.3	1.1	0.3	30.0	2.0	6.8	282.3	28.6	941.4	0.7	1.4
SMDH 00050	15.8	60.9	129.5	14.1	47.5355	8.64482	1.49624	4.6	0.6	3.3	0.6	1.3	0.3	1.1	0.3	24.2	3.1	8.5	345.8	158.8	793.3		
SMDH 00050	11.3	68.2	140.6	16.8	56.8107	10.489	1.49624	6.1	0.6	3.0	0.3	0.8	0.3	0.7	0.3	29.4	1.3	7.5	332.3	20.0	794.2		
SMDH 00050	12.0	47.8	96.6	11.3	39.4197	7.14638	1.61133	4.6	0.3	2.6	0.3	1.0	0.3	1.0	0.3	19.3	0.8	4.1	190.5	18.6	805.9	0.8	1.6
SMDH 00050	15.5	68.5	138.7	16.3	59.1295	9.91272	1.84152	6.9	0.7	3.7	0.7	1.1	0.3	0.8	0.3	29.0	0.7	2.0	84.4	18.6	871.3		
SMDH 00051	36.9	207.2	424.7	47.0	171.591	28.1245	1.84152	16.4	1.9	8.2	1.4	2.6	0.3	2.5	0.3	88.4	4.6	22.3	969.1	18.6	527.0	4.4	1.5
SMDH 00051	15.1	63.0	128.2	15.7	54.4919	9.79746	1.15095	6.4	0.7	3.4	0.6	1.1	0.3	1.3	0.3	26.6	1.9	8.5	349.2	12.9	541.9		
SMDH 00051	18.0	49.5	96.6	12.1	40.5791	7.03112	1.03586	4.9	0.6	3.8	0.7	1.4	0.3	1.4	0.3	19.2	1.5	6.7	299.6	15.7	873.6		1.4
SMDH 00051	29.1	69.2	148.4	16.0	54.4919	10.489	1.15095	5.8	0.8	5.4	1.0	2.5	0.3	2.3	0.3	28.0	2.4	10.1	424.7	22.9	900.3		
SMDH 00051	17.9	52.9	113.2	12.4	41.7385	7.83797	1.49624	4.2	0.6	3.7	0.6	1.5	0.3	1.4	0.3	20.1	1.4	6.1	263.4	18.6	914.0		1.3
SMDH 00051	21.0	66.7	136.8	15.0	51.0137	9.45167	1.38114	5.2	0.7	4.2	0.7	1.7	0.3	1.6	0.3	23.8	1.8	6.8	288.9	25.7	727.4	1.0	
SMDH 00051	17.1	80.2	168.5	18.6	62.6077	10.9501	1.38114	6.0	0.8	4.0	0.6	1.4	0.3	0.7	0.3	30.9	1.9	8.8	371.2	20.0	922.2		
SMDH 00051	41.1	75.5	164.0	17.2	59.1295	11.0654	1.61133	6.4	1.1	6.6	1.4	3.4	0.3	3.4	0.3	30.0	2.5	7.9	330.7	22.9	807.1		1.4
SMDH 00051	27.4	55.8	118.9	12.7	44.0573	8.41429	1.49624	4.8	0.8	4.8	0.9	2.3	0.3	2.3	0.3	22.5	2.0	9.3	387.1	17.2	768.5		
SMDH 00051	25.5	77.3	164.4	18.6	62.6077	11.9875	1.26605	7.3	0.9	5.0	0.9	2.1	0.3	1.9	0.3	31.2	2.9	9.2	391.6	80.1	932.0		
SMDH 00052	22.8	94.3	192.5	22.7	77.6799	13.0249	0.92076	8.7	1.1	5.0	0.8	2.1	0.3	2.3	0.3	37.9	2.9	17.8	832.6	15.7	1055.8		1.5
SMDH 00052	14.1	35.9	90.6	8.3	30.1444	5.30216	0.92076	3.9	0.3	3.0	0.6	1.4	0.3	1.8	0.3	15.6	1.1	8.3	387.1	17.2	1037.4	3.0	
SMDH 00052	30.8	71.2	147.3	16.6	59.1295	9.79746	1.49624	6.3	0.8	5.0	1.0	2.5	0.3	3.1	0.3	26.0	1.7	10.0	450.4	12.9	590.5		1.3
SMDH 00052	14.6	24.2	49.2	5.4	18.5504	2.65108	0.80567	1.9	0.3	2.2	0.3	1.5	0.3	1.7	0.3	6.8	0.7	6.5	317.8	8.6	559.9		
SMDH 00052	30.5	52.0	114.8	13.1	44.0573	6.68533	1.15095	4.0	0.6	4.9	0.8	3.1	0.3	3.4	0.3	19.3	0.9	9.6	365.8	22.9	984.6		
SMDH 00052	23.8	25.6	54.9	5.9	18.5504	2.76634	1.26605	2.2	0.3	4.2	0.8	2.9	0.3	3.5	0.6	8.1	0.6	7.2	298.1	11.4	681.4	1.4	
SMDH 00052	18.8	15.3	30.9	3.1	10.4346	1.72896	1.03586	1.5	0.3	2.4	0.7	1.8	0.3	2.8	0.3	4.4	0.3	9.4	339.5	7.2	457.4		1.4
SMDH 00052	26.5	48.8	103.8	11.8	40.5791	6.22427	1.03586	4.2	0.7	4.2	0.9	2.7	0.3	2.8	0.6	18.2	1.1	7.5	338.0	21.5	737.4	1.0	
SMDH 00052	24.5	68.2	143.7	16.5	57.9701	9.56693	1.38114	5.8	0.8	4.0	0.9	2.6	0.3	2.7	0.3	26.6	1.4	7.8	344.2	27.2	801.7		1.6
SMDH 00052	20.0	58.8	122.5	13.3	44.0573	6.91585	1.15095	4.5	0.6	3.6	0.8	1.9	0.3	2.5	0.3	21.9	1.5	8.6	399.8	15.7	722.3		
SMDH 00052	25.7	78.9	164.6	18.6	62.6077	10.2585	1.26605	6.5	0.7	4.4	0.8	2.5	0.3	2.6	0.3	31.5	1.5	7.3	316.8	14.3	694.7		
SMDH 00052	21.3	61.2	134.0	13.6	48.6949	9.3364	1.26605	6.1	0.7	3.7	0.6	1.6	0.3	1.8	0.3	23.1	2.2	7.0	335.1	20.0	1392.2	1.8	1.5
SMDH 00052	19.9	55.9	117.6	13.5	47.5355	8.87535	1.03586	5.5	0.7	4.0	0.7	1.6	0.3	2.2	0.3	21.8	1.7	7.2	340.3	21.5	779.0		
SMDH 00052	25.5	72.5	153.1	17.4	60.2889	11.4112	1.38114	7.7	0.9	4.6	0.8	1.9	0.3	2.2	0.3	26.9	2.2	7.7	340.4	31.5	992.5		
SMDH 00052	18.2	66.9	140.0	16.1	54.4919	11.4112	1.49624	6.6	0.8	3.8	0.7	1.6	0.3	2.2	0.3	26.8	2.4	10.1	496.7	34.3	1212.6		1.6
SMDH 00052	16.9	61.8	135.7	14.2	48.6949	8.64482	1.38114	6.8	0.7	3.2	0.6	1.3	0.3	1.8	0.3	26.9	2.1	10.7	375.0	34.3	1157.9		
SMDH 00052	15.6	59.8	127.1	14.4	47.5355	9.22114	1.26605	5.6	0.7	3.1	0.6	1.4	0.3	1.7	0.3	23.4	2.0	8.1	382.4	32.9	1080.6	1.2	
SMDH 00052	17.2	62.9	131.9	14.9	54.4919	10.6043	1.49624	7.0	0.7	3.4	0.6	1.3	0.3	1.5	0.3	24.5	2.0	8.5	412.7	30.0	1033.2		
SMDH 00052	16.0	55.3	114.9	13.2	46.3761	7.95323	1.26605	5.8	0.7	3.6	0.6	1.3	0.3	1.5	0.3	21.3	2.0	6.6	312.3	27.2	1097.4		1.7
SMDH 00052	14.1	45.0	91.5	10.7	35.9414	6.22427	1.15095	4.6	0.3	2.7	0.3	1.1	0.3	1.6	0.3	15.8	1.7	8.1	390.9	20.0	965.4		
SMDH 00052	16.1	72.9	157.3	17.3	60.2889	10.028	1.38114	6.2	0.6	3.1	0.3	1.1	0.3	1.8	0.3	26.8	1.1	9.6	437.9	30.0	1283.8	0.8	
SMDH 00052	24.7	60.9	152.6	14.4	41.7385	7.03112	1.84152	5.0	0.7	4.9	0.9	2.7	0.3	2.7	0.3	18.4	0.8	9.1	414.7	24.3	708.9		1.8
SMDH 00052	24.7	60.9	152.6	14.4	41.7385	7.03112	1.84152	5.0	0.7	4.9	0.9	2.7	0.3	2.7	0.3	18.4	0.8	9.1	414.7	24.3	708.9		1.8
SMDH 00053	34.6	109.6	245.5	27.7	97.3897	16.4828	1.15095	11.6	1.3	6.3	1.3	3.0	0.3	3.2	0.3	50.0	3.4	21.0	924.1	17.2	673.7		
SMDH 00053	21.0	69.3	149.5	16.8	59.1295	10.7196	0.92076	6.9	0.8	4.1	0.7	1.7	0.3	1.9	0.3	30.1	2.1	12.9	592.3	15.7	596.6		
SMDH 00053	26.6	89.9	192.0	21.5	77.6799	13.2554	0.92076	9.6	0.9	5.4	0.9	2.3	0.3	2.0	0.3	41.6	2.2	10.1	440.5	18.6	796.3	2.6	1.4
SMDH 00053	35.1	84.6	182.5	20.7	73.0423	13.1401	1.15095	9.3	1.1	6.0	1.1	2.7	0.3	3.2	0.3	39.4	2.5	10.4	448.3	21.5	854.7		
SMDH 00053	18.4	55.0	120.0	13.7	48.6949	7.83797	0.80567	5.8	0.7	3.4	0.7	1.5	0.3	1.0	0.3	25.8	1.3	7.3	330.9	17.2	753.6		
SMDH 00053	7.9	17.6	37.2	4.7	15.0722	2.76634	1.03586	1.5	0.3	1.5	0.3	0.7	0.3	0.7	0.3	6.9	0.3	6.6	288.8	21.5	769.7		1.5
SMDH 00053	7.5	13.0	24.7	2.8	10.4346	1.49844	1.38114	1.5	0.3	0.9	0.3	0.7	0.3	0.7	0.3	3.5	0.7	10.4	495.7	22.9	1081.1	2.0	
SMDH 00053	23.6	69.8	143.8	17.1	57.9701	9.56693	1.26605	7.1	0.8	4.2	0.8	2.2	0.3	2.2	0.3	29.0	1.5	10.5	427.9	31.5	773.4		
SMDH 00053	33.0	54.6	114.2	13.3	46.3761	8.29903	1.38114	6.3	0.8	6.0	1.1	3.0	0.3	3.4	0.3	22.8	2.1	12.7	537.9	30.0	963.6		1.6
SMDH 00053	38.4	80.7	181.4	18.5	64.9265	11.9875	1.49624	8.9	1.1	5.3	1.5	3.5	0.6	4.9	0.6	36.3	1.9	12.5	435.5	14.3	817.8		
SMDH 00053	32.2	64.4	133.9	15.7	53.3325	9.79746	1.26605	7.1	0.8	5.2	1.1	3.1	0.3	3.4	0.3	25.8	1.3	10.7	444.4	20.0	855.2		
SMDH 00053	6.7	16.3	33.3	3.8	12.7534	2.42055	1.49624	1.8	0.3	1.3	0.3	0.6	0.3	0.8	0.3	4.8	0.6	10.0	426.2	22.9	960.8	1.7	
SMDH 00053	24.6	58.9	122.2	14.1	49.8543	10.2585	1.26605	6.3	0.8	4.5	0.8	2.2	0.3	2.6	0.3	24.3	1.4	8.6	364.2	21.5	726.0		1.5
SMDH 00053	28.1	80.9	172.8	20.7	70.7235	12.6791	1.61133	7.7	0.9	5.4	0.9	2.2	0.3	2.0	0.3	36.0	2.2	10.1	442.3	22.9	914.5	0.8	1.5
SMDH 00053	30.3	69.6	150.2	18.3	60.2889	10.8348	1.38114	7.6	0.9	5.4	0.9	2.7	0.3	3.2	0.3	31.9	1.7	10.3	416.6	18.6	950.2		
SMDH 00053	22.3	54.6	112.0	13.5	44.0573	8.18376	1.26605	5.3	0.7	3.8	0.8	2.2	0.3	2.0	0.3	23.1	1.2	9.2	382.3	15.7	820.8		
SMDH 00053	42.1	95.4	193.0	21.9	74.2017	13.3707	1.61133	9.4	1.2	7.3	1.4	4.2	0.7	4.5	0.6	35.5	2.0	7.9	333.2	27.2	752.4	1.0	1.6
SMDH 00053	25.6	76.6	149.9	16.8	59.1295	10.1433	1.72643	6.2	0.8	4.6	0.9	2.4	0.3	2.8	0.3	24.8	1.3	9.7	404.0	38.6	936.2		
SMDH 00053	39.0	85.4	178.6	19.6	64.9265	11.757	1.61133	7.7	1.2	5.8	1.4	3.7	0.6	4.0	0.6	29.8	2.0	10.0	405.8	28.6	910.5		
SMDH 00053	29.8	69.2	146.7	15.6	54.4919	8.64482	1.61133	5.8	0.8	4.7	1.1	3.3	0.6	3.4	0.3	24.6	1.4	9.4	384.7	20.0	885.1		1.7
SMDH 00053	33.6	68.2	145.6	16.0	53.3325	10.1433	1.49624	6.5	0.8	5.4	1.1	3.4	0.6	3.9	0.3	24.4	1.8	9.3	377.0	21.5	908.0	0.8	
SMDH 00053	33.6	68.2	145.6	16.0	53.3325	10.1433	1.49624	6.5	0.8	5.4	1.1	3.4	0.6	3.9	0.3	24.4	1.8	9.3	377.0	21.5	908.0	0.8	
SMDH 00054	28.9	91.7	166.8	17.7	76.5205	13.2554	0.69057	8.0	0.9	5.0	1.0	3.1	0.3	2.8	0.3	40.1	2.7	14.4	624.1	15.7	566.7	0.8	
SMDH 00054	24.8	38.8	79.9	9.1	31.3038	5.64795	1.03586	4.7	0.6	3.9	0.8	2.5	0.3	2.4	0.3	14.4	1.3	5.9	262.5	17.2	784.6		
SMDH 00054	34.9	122.2	253.4	28.7	102.027	17.6354	1.49624	11.5	1.3	6.9	1.1	3.9	0.3	3.1	0.7	53.4	2.8	11.8	512.2	17.2	757.8		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00054	36.2	113.9	236.7	26.9	91.5927	15.2149	1.84152	10.2	1.2	6.5	1.3	4.9	0.7	4.5	0.8	43.6	2.7	12.3	584.1	22.9	1143.4		
SMDH 00054	20.9	118.8	238.6	24.7	92.7521	16.2523	1.95662	9.3	1.1	4.7	0.7	1.6	0.3	1.7	0.3	49.1	1.5	8.6	347.4	22.9	758.7		
SMDH 00054	25.5	97.1	201.0	21.3	74.2017	14.1775	1.72643	8.6	1.1	4.7	0.9	2.2	0.3	2.7	0.3	41.2	1.8	10.4	423.1	18.6	870.6		1.6
SMDH 00054	24.3	85.0	230.0	29.5	75.3611	15.2149	1.38114	8.5	1.3	5.7	0.9	3.2	0.3	3.2	0.3	37.1	2.5	12.1	311.5	20.0	927.8	1.3	
SMDH 00054	19.3	65.9	148.0	17.9	56.8107	10.6043	1.15095	6.9	0.8	4.6	0.7	2.3	0.3	2.2	0.3	25.1	2.2	9.9	328.6	22.9	880.2		1.5
SMDH 00054	29.0	91.7	243.8	31.6	79.9987	17.7507	1.49624	10.5	1.4	6.5	1.1	3.7	0.6	3.3	0.6	40.0	2.8	17.0	442.3	25.7	1046.7		
SMDH 00054	27.2	75.8	209.0	28.3	70.7235	14.5233	1.72643	9.1	1.4	6.2	1.0	3.5	0.3	3.6	0.6	36.0	2.1	17.1	436.6	25.7	951.6		
SMDH 00054	20.7	64.7	169.1	22.3	56.8107	12.218	1.61133	6.8	1.1	5.3	0.8	2.4	0.3	2.4	0.3	28.7	2.1	13.1	353.0	20.0	897.2	0.9	1.4
SMDH 00054	21.2	100.5	257.4	33.1	86.9551	17.1744	1.49624	10.1	1.3	5.5	0.8	2.5	0.3	2.3	0.3	42.7	2.7	14.4	379.3	27.2	1060.5		
SMDH 00054	26.2	105.9	276.7	36.4	91.5927	19.4797	1.61133	11.3	1.5	6.9	0.9	2.7	0.3	2.8	0.3	45.8	3.2	31.8	1032.3	32.9	1216.8		
SMDH 00054	47.7	122.6	264.4	31.5	108.984	19.1339	1.61133	10.4	1.3	7.8	1.7	5.5	0.9	6.9	1.0	53.5	1.7	11.9	505.6	21.5	1153.2	0.4	
SMDH 00054	14.2	113.4	300.9	38.8	96.2303	19.4797	1.72643	9.7	1.2	4.6	0.3	1.5	0.3	1.0	0.3	45.5	2.4	14.3	417.0	17.2	1104.6		1.5
SMDH 00054	12.8	92.4	247.9	25.6	77.6799	12.218	1.95662	8.1	0.8	3.9	0.3	1.5	0.3	1.1	0.3	33.5	2.0	14.6	476.3	14.3	913.6	0.7	
SMDH 00054	12.8	92.4	247.9	25.6	77.6799	12.218	1.95662	8.1	0.8	3.9	0.3	1.5	0.3	1.1	0.3	33.5	2.0	14.6	476.3	14.3	913.6	0.7	
SMDH 00055	33.1	112.7	227.9	27.4	95.0709	15.9065	0.92076	10.9	1.1	6.2	1.0	3.8	0.6	3.2	0.3	46.7	3.2	25.6	1083.2	17.2	526.7		
SMDH 00055	32.8	94.0	206.2	23.5	81.1581	14.2928	1.38114	9.2	1.2	6.3	1.0	3.8	0.3	3.1	0.3	42.8	2.5	16.3	687.2	22.9	989.7		1.0
SMDH 00055	39.0	98.4	163.3	21.3	76.5205	12.7943	1.72643	8.7	1.2	6.5	1.1	4.1	0.3	2.6	0.3	33.6	1.5	6.7	285.4	21.5	753.6		
SMDH 00055	15.0	87.6	181.5	20.5	70.7235	11.4112	1.03586	7.9	0.7	3.4	0.6	1.5	0.3	0.9	0.3	35.9	1.4	6.1	266.2	21.5	590.5	1.3	
SMDH 00055	21.2	85.9	178.8	21.1	70.7235	11.9875	1.15095	8.0	0.9	4.6	0.8	2.2	0.3	1.3	0.3	34.3	1.7	8.3	323.4	17.2	616.2		0.9
SMDH 00055	21.8	110.5	232.8	26.4	90.4333	15.6759	1.84152	9.3	1.1	4.7	0.8	1.9	0.3	1.0	0.3	46.4	1.9	7.3	308.8	18.6	695.9		
SMDH 00055	16.0	96.4	200.7	22.9	75.3611	12.3333	1.38114	7.9	0.8	3.8	0.6	1.6	0.3	0.8	0.3	37.8	1.5	5.1	208.0	12.9	434.2		
SMDH 00055	26.7	73.7	157.0	18.4	61.4483	10.489	1.26605	7.3	0.8	4.9	0.9	2.9	0.3	1.8	0.3	30.5	1.5	6.1	243.7	14.3	606.6	1.2	1.6
SMDH 00055	27.8	92.4	195.3	23.2	75.3611	13.7164	1.49624	9.2	1.2	5.5	1.0	3.1	0.3	2.3	0.3	41.9	1.7	7.0	276.8	14.3	715.3		
SMDH 00055	17.6	74.1	157.1	17.8	62.6077	11.6417	2.07171	6.9	0.8	3.3	0.6	1.6	0.3	1.5	0.3	31.5	1.1	8.8	343.4	20.0	907.7		
SMDH 00055	15.8	75.7	162.7	18.9	66.0859	11.1806	1.38114	6.9	0.8	3.8	0.6	1.1	0.3	1.0	0.3	33.6	1.3	6.5	245.6	15.7	757.5		1.5
SMDH 00055	32.2	100.9	212.2	25.3	88.1145	15.9065	1.49624	10.4	1.2	6.2	1.1	2.6	0.3	3.0	0.3	46.8	2.0	11.3	420.6	37.2	779.5		
SMDH 00055	26.0	107.5	229.6	27.9	97.3897	16.5981	1.38114	11.0	1.2	5.7	0.9	2.1	0.3	2.4	0.3	51.0	2.2	9.6	356.9	21.5	716.9		1.7
SMDH 00055	19.6	109.2	228.5	27.5	93.9115	15.6759	1.72643	10.4	1.2	4.7	0.7	2.1	0.3	1.1	0.3	50.2	1.5	9.3	376.6	14.3	615.3		
SMDH 00055	19.6	77.7	170.3	19.0	67.2453	10.3738	1.72643	8.0	0.9	4.0	0.7	2.2	0.3	1.7	0.3	29.9	1.3	8.8	369.3	27.2	1362.1	0.9	
SMDH 00055	20.8	80.4	179.7	19.8	73.0423	11.757	1.26605	7.6	0.9	4.2	0.7	2.5	0.3	2.2	0.3	35.8	1.4	6.5	260.6	14.3	589.6		1.7
SMDH 00055	31.4	127.4	287.0	31.2	111.303	17.1744	0.80567	10.8	1.3	6.0	1.1	3.8	0.6	3.6	0.6	55.9	3.3	23.9	1522.6	11.4	498.0		
SMDH 00055	31.4	127.4	287.0	31.2	111.303	17.1744	0.80567	10.8	1.3	6.0	1.1	3.8	0.6	3.6	0.6	55.9	3.3	23.9	1522.6	11.4	498.0		
SMDH 00056	25.3	90.8	230.0	22.1	77.6799	11.5264	1.03586	7.2	0.9	4.6	0.9	3.4	0.3	3.1	0.3	44.4	2.0	15.8	664.5	14.3	818.5		
SMDH 00056	51.2	159.3	321.7	36.6	131.012	19.7102	2.30191	12.3	1.6	9.0	1.8	6.7	0.8	5.7	0.9	49.7	2.4	16.5	711.2	12.9	890.0	2.8	1.4
SMDH 00056	39.0	100.5	216.8	23.9	84.6363	13.6012	1.49624	9.2	1.3	6.8	1.4	4.7	0.6	4.4	0.7	35.7	2.9	10.8	466.4	15.7	801.2		
SMDH 00056	18.0	94.8	206.5	22.7	81.1581	12.6791	1.49624	7.6	0.8	3.4	0.6	1.9	0.3	1.1	0.3	40.2	1.2	7.2	311.5	11.4	643.8		
SMDH 00056	41.1	109.6	240.5	27.7	88.1145	15.0996	1.61133	10.3	1.4	7.4	1.5	4.9	0.7	4.3	0.7	39.9	3.5	11.3	465.1	18.6	990.2		1.5
SMDH 00056	47.0	107.0	220.8	25.9	93.9115	15.3301	1.61133	10.1	1.4	7.9	1.7	4.2	0.7	4.0	0.3	40.0	3.1	13.4	571.7	21.5	1047.4	1.0	
SMDH 00056	38.7	100.7	212.1	25.1	88.1145	14.5233	1.61133	9.2	1.2	7.2	1.5	3.5	0.3	3.2	0.6	37.6	2.8	11.3	492.1	21.5	954.0		
SMDH 00056	36.6	101.1	205.9	23.8	85.7957	13.6012	1.38114	8.9	1.1	6.5	1.3	3.5	0.3	3.4	0.6	37.0	2.2	11.4	479.8	17.2	947.9		1.6
SMDH 00056	15.7	64.5	131.3	15.3	54.4919	8.0685	1.38114	4.9	0.6	3.1	0.6	1.4	0.3	1.4	0.3	23.2	1.4	11.0	468.1	12.9	851.4		
SMDH 00056	10.4	48.0	98.6	11.4	40.5791	6.33953	1.49624	3.3	0.3	2.1	0.3	1.0	0.3	1.3	0.3	18.1	0.7	7.4	330.9	11.4	786.3	1.0	
SMDH 00056	13.1	55.9	115.7	13.2	45.2167	6.109	1.26605	3.9	0.3	2.3	0.3	1.3	0.3	1.6	0.3	20.2	0.9	11.0	466.3	11.4	941.6		1.6
SMDH 00056	31.1	119.6	246.0	29.2	103.187	15.3301	1.72643	10.0	1.1	6.4	1.1	2.6	0.3	2.8	0.3	46.2	2.5	13.7	609.2	27.2	1081.5		
SMDH 00056	43.1	110.1	232.9	26.8	92.7521	16.137	1.72643	9.4	1.2	7.4	1.5	3.8	0.7	3.9	0.6	42.5	2.1	10.6	463.1	22.9	1053.5		
SMDH 00056	31.8	95.5	191.8	22.6	81.1581	11.9875	1.38114	8.6	1.1	5.7	1.1	4.1	0.3	4.0	0.3	35.9	1.5	8.6	345.5	17.2	756.4		
SMDH 00056	17.9	77.3	158.0	18.5	63.7671	10.028	1.72643	5.6	0.7	3.4	0.7	1.6	0.3	1.6	0.3	29.2	0.8	6.0	259.1	15.7	792.6	1.2	1.5
SMDH 00056	30.2	100.5	209.3	22.7	77.6799	12.7943	1.72643	8.2	1.2	5.0	1.0	3.3	0.3	3.2	0.3	36.9	1.4	11.4	490.7	15.7	892.5		
SMDH 00056	36.6	103.5	219.2	24.4	84.6363	14.2928	1.61133	9.1	1.3	6.2	1.3	3.5	0.3	2.8	0.3	38.6	1.7	12.5	531.4	22.9	993.9		
SMDH 00056	37.0	99.0	210.8	23.3	78.8393	13.6012	1.49624	8.9	1.2	6.3	1.3	3.4	0.3	2.6	0.3	37.1	1.7	9.7	401.3	25.7	886.2		
SMDH 00056	33.1	93.9	200.3	22.0	75.3611	12.3333	1.49624	8.4	1.3	6.3	1.1	3.0	0.3	2.5	0.3	34.8	2.0	11.3	466.8	21.5	889.5	0.8	
SMDH 00056	27.6	92.4	196.5	21.1	71.8829	12.3333	1.26605	8.4	1.1	5.2	0.9	2.7	0.3	2.3	0.3	35.5	1.5	9.9	434.6	20.0	911.5		
SMDH 00057	28.1	67.4	139.6	16.2	56.8107	9.22114	0.80567	5.7	0.9	4.6	0.9	3.2	0.3	2.8	0.3	26.8	1.2	14.3	607.6	21.5	550.8		1.3
SMDH 00057	26.9	83.6	178.0	20.2	67.2453	11.0654	1.38114	7.6	1.1	4.4	0.9	2.9	0.3	2.6	0.3	32.9	0.9	7.0	299.6	10.0	775.5		
SMDH 00057	57.8	132.8	286.9	31.8	111.303	20.056	1.38114	11.5	1.8	9.0	1.9	6.3	1.0	7.0	1.1	59.8	2.0	16.0	655.1	22.9	1405.3	2.8	
SMDH 00057	29.9	100.7	212.7	22.5	81.1581	14.6386	1.61133	8.1	0.9	5.2	1.0	2.9	0.3	3.4	0.6	43.9	1.4	11.4	477.2	15.7	1041.6		
SMDH 00057	29.5	130.5	275.1	29.2	105.506	18.7881	1.49624	11.1	1.3	5.7	1.0	2.4	0.3	3.1	0.3	56.3	2.9	16.2	636.8	17.2	1285.4		1.6
SMDH 00057	52.0	146.8	316.6	34.0	127.534	23.3986	1.95662	13.4	1.6	8.7	1.8	5.0	0.9	5.9	0.9	68.8	2.2	14.4	561.0	22.9	1122.9		
SMDH 00057	48.5	125.6	272.1	30.4	103.187	17.7507	1.61133	12.1	1.6	7.3	1.8	5.4	0.8	5.2	0.8	51.8	1.8	12.6	516.0	22.9	1079.4		1.6
SMDH 00057	59.8	114.8	247.0	28.3	96.2303	15.9065	0.92076	10.1	1.5	8.2	1.9	6.8	1.1	6.9	1.0	50.4	2.0	13.8	651.4	21.5	1284.5		
SMDH 00057	63.1	159.4	336.3	38.8	131.012	22.4765	1.61133	13.6	1.8	9.5	2.1	7.4	1.4	7.4	1.1	71.5	2.4	12.5	582.3	15.7	1203.9		
SMDH 00057	57.5	148.7	322.7	37.0	124.056	20.9781	1.38114	12.4	1.6	8.6	1.9	6.6	1.1	6.7	1.0	67.9	2.2	15.4	717.8	21.5	1547.5	0.8	1.6
SMDH 00057	25.9	104.4	222.0	25.7	89.2739	14.0622	1.95662	9.1	0.9	4.9	0.8	2.7	0.3	2.8	0.3	43.9	1.3	8.7	388.2	12.9	777.4	0.3	
SMDH 00057	33.5	152.6	313.5	35.7	121.737	20.2865	1.61133	11.6	1.4	6.0	1.1	3.5	0.6	3.4	0.3	61.4	1.7	12.0	522.9	12.9	1039.9		
SMDH 00057	35.5	70.7	146.9	16.8	56.8107	10.2585	1.49624	6.1	0.9	4.9	1.1	4.1	0.8	4.8	0.7	29.9	1.2	12.6	578.0	17.2	1247.4		
SMDH 00057	15.7	88.7	185.5	21.4	69.5641	11.2959	1.72643	6.6	0.7	3.1	0.3	1.4	0.3	1.1	0.3	35.7	1.1	11.2	519.2	15.7	1135.9		1.6
SMDH 00058	40.0	131.8	280.1	32.1	110.143	18.327	1.26605	12.1	1.6	7.4	1.3	3.7	0.6	3.1	0.3	59.6	4.1	14.3	675.5	15.7	752.2	2.0	
SMDH 00058	27.4	91.9	192.4	22.0	73.0423	12.5638	1.49624	7.6	0.9	4.8	0.9	2.7	0.3	2.7	0.3	37.9	2.4	7.9	383.1	18.6	959.6		
SMDH 00058	42.1	100.7	204.8	23.9	77.6799	12.3333	1.72643	8.8	1.3	6.9	1.5	4.2	0.7	4.3	0.7	42.9	3.4	8.7	413.5	20.0	1015.2		1.2
SMDH 00058	51.3	116.1	243.8	27.3	95.0709	16.4828	1.61133	11.2	1.5	9.0	1.7	5.9	0.8	5.2	0.8	45.2	3.2	12.7	535.6	22.9	893.5		
SMDH 00058	42.3	86.0	179.0	20.9	69.5641	12.9096	1.61133	8.7	1.2	7.0	1.4	4.5	0.6	4.1	0.6	33.8	2.9	10.7	468.7	22.9	862.6	1.3	

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00058	29.1	90.3	191.4	21.3	70.7235	12.4485	1.49624	8.5	1.1	5.3	1.0	3.1	0.3	2.5	0.3	36.6	2.1	7.1	323.7	18.6	762.2		
SMDH 00058	43.6	127.2	268.6	30.1	100.868	18.327	1.72643	11.2	1.4	7.9	1.6	5.4	0.7	5.5	0.7	54.2	2.7	14.6	652.2	21.5	1086.0		
SMDH 00058	49.9	137.4	304.3	35.7	115.94	22.9376	1.84152	13.6	1.4	9.3	1.6	5.5	0.7	4.8	0.6	62.7	3.5	11.7	482.0	24.3	970.6	1.3	1.5
SMDH 00058	53.4	97.0	203.6	24.1	82.3175	15.5607	1.84152	9.5	1.2	8.8	1.6	5.7	0.7	4.9	0.6	46.4	3.5	10.8	485.2	24.3	813.1		
SMDH 00058	69.2	155.5	327.6	38.9	131.012	23.975	1.84152	15.8	1.9	12.4	2.2	7.8	0.8	5.8	0.7	79.5	6.4	8.8	392.9	24.3	789.8		
SMDH 00058	57.3	91.6	190.8	22.8	79.9987	14.9844	1.61133	9.4	1.3	9.3	1.7	6.5	0.7	5.7	0.7	43.8	3.9	7.5	319.5	22.9	648.0		1.5
SMDH 00058	48.4	82.6	171.9	19.8	73.0423	13.947	1.72643	9.6	1.1	8.4	1.5	5.2	0.6	4.7	0.6	39.7	3.8	9.6	431.2	20.0	681.4	0.7	
SMDH 00058	27.5	123.3	259.3	29.8	99.7085	17.6354	1.72643	11.1	1.2	6.3	0.9	2.6	0.3	2.0	0.3	58.5	2.8	9.6	450.6	15.7	823.4		
SMDH 00058	45.1	66.7	138.8	17.2	54.4919	11.5264	1.72643	8.0	1.1	7.3	1.4	5.6	0.7	5.6	0.6	33.2	3.8	7.5	324.9	31.5	702.2		1.6
SMDH 00058	73.1	264.5	555.8	65.8	226.083	40.9188	1.49624	24.6	2.7	15.3	2.3	8.0	0.9	6.1	0.7	136.0	7.2	31.5	1400.9	14.3	583.3		
SMDH 00058	45.2	111.1	234.7	27.4	97.3897	17.6354	1.72643	11.6	1.4	8.4	1.3	4.7	0.3	3.8	0.3	54.6	4.5	10.5	441.4	22.9	794.9	0.6	
SMDH 00058	45.2	111.1	234.7	27.4	97.3897	17.6354	1.72643	11.6	1.4	8.4	1.3	4.7	0.3	3.8	0.3	54.6	4.5	10.5	441.4	22.9	794.9	0.6	
SMDH 00059	30.7	76.9	158.7	18.1	63.7671	10.6043	1.15095	7.6	0.9	5.3	1.0	3.0	0.3	3.1	0.3	30.8	1.7	9.9	399.2	20.0	639.6		
SMDH 00059	25.1	67.4	143.7	16.7	59.1295	9.91272	1.26605	6.5	0.8	4.2	0.9	2.3	0.3	2.4	0.3	28.0	1.4	8.6	354.3	14.3	516.7		0.6
SMDH 00059	38.7	119.9	258.2	30.0	100.868	16.9438	1.61133	11.3	1.4	6.8	1.3	3.2	0.3	3.3	0.3	50.6	2.6	16.0	647.0	17.2	759.6		
SMDH 00059	44.7	130.7	285.2	31.1	105.506	17.9812	1.95662	12.7	1.5	8.7	1.7	3.9	0.6	3.5	0.3	57.3	2.7	11.2	448.7	21.5	1082.0	0.9	
SMDH 00059	33.0	106.8	227.7	26.8	95.0709	16.137	1.72643	9.4	1.2	6.8	1.3	2.4	0.3	2.3	0.3	46.8	2.5	13.3	581.7	24.3	878.1		1.5
SMDH 00059	13.3	75.8	157.5	18.9	64.9265	10.489	2.07171	6.0	0.7	3.4	0.6	0.9	0.3	0.7	0.3	30.9	1.4	9.3	408.3	17.2	759.4		
SMDH 00059	28.6	94.9	197.9	23.5	85.7957	17.1744	2.07171	8.2	1.1	6.1	1.1	2.3	0.3	2.5	0.3	41.3	2.4	7.5	350.1	14.3	483.5	0.7	1.6
SMDH 00059	27.8	85.9	181.6	21.4	74.2017	13.2554	2.07171	7.7	1.1	5.4	1.0	1.9	0.3	2.2	0.3	37.4	2.2	7.4	335.7	14.3	600.8		
SMDH 00059	38.7	110.2	237.0	27.5	97.3897	17.0591	2.07171	10.2	1.3	7.7	1.4	2.9	0.3	2.8	0.3	49.9	3.1	9.0	391.5	25.7	814.3		
SMDH 00059	56.0	190.9	397.3	35.8	119.418	20.1712	1.84152	11.5	1.6	10.0	1.8	3.4	0.6	3.0	0.3	88.9	5.3	14.0	635.6	28.6	851.4		1.5
SMDH 00059	26.0	85.3	181.0	20.9	73.0423	12.7943	1.61133	7.4	1.1	5.3	0.9	1.5	0.3	1.1	0.3	35.2	2.0	6.5	282.9	20.0	738.6	1.1	
SMDH 00059	40.0	106.8	226.8	26.9	91.5927	16.0217	1.95662	9.6	1.3	7.4	1.5	3.0	0.6	3.2	0.3	47.4	2.8	10.1	435.8	20.0	1108.2		
SMDH 00059	35.2	100.9	215.1	25.8	90.4333	14.9844	1.72643	9.4	1.2	7.1	1.3	2.6	0.3	3.0	0.3	46.9	2.2	10.7	469.4	17.2	1081.1		1.6
SMDH 00059	48.0	120.4	255.6	30.7	103.187	17.9812	1.72643	11.1	1.5	9.4	1.7	3.4	0.7	3.4	0.3	52.8	2.4	12.0	500.1	22.9	1329.8		
SMDH 00059	45.8	129.9	270.6	32.5	113.621	19.3644	1.72643	11.5	1.5	10.2	2.1	3.5	0.7	4.3	0.3	56.9	2.6	13.3	582.9	27.2	1603.4	0.6	
SMDH 00060	36.6	149.4	315.6	37.6	128.694	20.517	1.26605	12.6	1.5	8.2	1.4	2.7	0.3	2.5	0.3	69.2	3.2	13.9	626.2	11.4	422.8		1.6
SMDH 00060	24.1	92.8	201.0	23.4	81.1581	13.4859	1.61133	8.4	0.9	5.3	0.9	1.7	0.3	1.7	0.3	40.3	2.0	8.1	372.4	25.7	819.0		
SMDH 00060	29.7	82.9	169.9	20.5	70.7235	12.6791	1.95662	7.2	0.9	5.5	1.1	2.3	0.3	2.4	0.3	33.2	1.7	8.8	378.6	24.3	830.6		
SMDH 00060	30.7	106.7	225.6	26.7	92.7521	15.7912	1.95662	9.3	1.2	6.4	1.1	2.3	0.3	2.3	0.3	44.5	1.9	9.7	406.9	24.3	647.5	0.9	1.5
SMDH 00060	27.1	94.8	198.8	23.9	83.4769	14.0622	1.95662	8.5	1.3	6.0	1.3	2.3	0.6	2.6	0.3	40.5	1.9	9.8	410.8	18.6	784.4		
SMDH 00060	39.5	139.8	281.3	34.1	118.259	20.6323	2.18681	11.8	1.5	8.0	1.5	2.9	0.3	3.0	0.3	56.3	2.5	8.3	369.6	32.9	704.0		
SMDH 00060	47.5	99.0	207.7	24.5	86.9551	14.7538	1.95662	9.3	1.3	8.6	1.6	3.4	0.7	3.9	0.6	43.4	2.7	9.9	436.4	21.5	595.0		1.7
SMDH 00060	46.3	124.2	212.8	31.3	93.9115	16.9438	2.07171	9.4	1.5	8.4	1.6	3.2	0.7	3.5	0.3	43.4	2.7	9.4	429.0	22.9	769.2	0.4	
SMDH 00060	40.6	73.2	164.0	16.7	56.8107	10.489	1.49624	8.1	1.1	5.8	1.4	3.4	0.6	4.2	0.7	34.4	2.8	11.7	394.3	18.6	850.3	0.3	1.5
SMDH 00061	33.3	113.8	236.8	25.3	91.5927	16.0217	1.03586	10.0	1.3	6.5	1.1	2.6	0.3	2.4	0.3	50.4	2.7	12.1	500.1	14.3	508.1	0.8	0.7
SMDH 00061	34.7	131.0	283.5	27.5	96.2303	15.2149	1.72643	10.1	1.3	6.6	1.3	3.4	0.3	3.2	0.3	43.7	2.4	11.2	417.8	18.6	1060.0	0.8	
SMDH 00061	49.2	75.5	155.6	18.4	64.9265	10.8348	1.49624	6.9	1.1	6.5	1.7	4.7	0.7	5.9	0.9	28.6	1.7	10.7	450.9	21.5	908.0		
SMDH 00061	22.8	94.8	195.3	23.9	77.6799	13.8317	1.72643	8.9	0.9	4.5	0.8	2.1	0.3	1.3	0.3	36.7	1.9	10.4	424.4	22.9	757.5		1.5
SMDH 00061	29.4	112.6	233.3	28.6	95.0709	16.3675	2.07171	10.9	1.2	6.3	1.0	2.2	0.3	1.8	0.3	48.7	2.6	10.8	463.6	24.3	921.5		
SMDH 00061	21.5	97.8	203.2	24.4	83.4769	13.6012	1.84152	10.0	1.1	4.7	0.8	1.7	0.3	1.4	0.3	41.3	2.1	10.3	445.5	24.3	1026.2	-	
SMDH 00061	9.4	50.2	104.4	12.2	40.5791	6.57006	1.84152	4.1	0.3	2.4	0.3	0.7	0.3	0.6	0.3	21.7	1.1	8.1	316.8	22.9	1011.9		1.5
SMDH 00062	53.6	153.8	331.6	41.9	148.403	27.8939	1.38114	20.0	2.2	10.7	1.8	4.6	0.6	5.0	0.8	71.8	5.5	27.5	1142.9	22.9	1238.5		
SMDH 00062	22.7	21.2	35.9	6.2	22.0286	5.53268	1.03586	4.9	0.7	3.8	0.7	2.1	0.3	2.2	0.3	4.3	0.6	4.2	203.6	14.3	1507.1		
SMDH 00062	25.0	14.2	33.2	4.8	20.8692	4.95636	1.38114	4.7	0.8	4.5	0.8	2.4	0.3	2.6	0.3	2.8	0.7	5.2	242.5	20.0	2350.6	1.0	1.7
SMDH 00062	23.8	14.9	31.9	4.6	17.391	4.8411	1.15095	3.8	0.6	3.8	0.8	2.3	0.3	2.4	0.3	2.4	0.6	4.7	205.7	20.0	1821.3		
SMDH 00062	19.5	16.0	36.3	4.6	18.5504	4.95636	1.15095	4.1	1.2	3.4	0.6	1.4	0.3	1.4	0.3	2.6	0.8	6.3	303.8	21.5	986.2		
SMDH 00062	43.5	33.2	73.8	9.1	37.1009	9.91272	1.72643	8.4	2.5	7.7	1.5	3.1	0.3	2.3	0.3	7.5	1.1	3.2	140.3	38.6	1038.5		
SMDH 00062	52.2	86.1	179.3	19.9	71.8829	11.8722	1.38114	7.7	0.9	6.9	1.7	5.2	0.9	6.1	0.8	35.7	1.5	7.4	339.5	12.9	928.1		
SMDH 00062	35.1	138.6	284.4	31.9	111.303	19.7102	1.49624	11.9	1.3	6.8	1.1	2.9	0.3	3.0	0.3	56.3	3.5	15.0	691.9	21.5	786.3		
SMDH 00062	81.7	36.1	89.6	12.0	53.3325	16.9438	1.95662	16.7	4.8	16.0	2.6	5.0	0.7	3.6	0.3	6.8	2.2	4.7	201.0	47.2	1088.3	0.3	1.7
SMDH 00062	81.7	36.1	89.6	12.0	53.3325	16.9438	1.95662	16.7	4.8	16.0	2.6	5.0	0.7	3.6	0.3	6.8	2.2	4.7	201.0	47.2	1088.3	0.3	1.7
SMDH 00063	17.6	45.5	96.3	11.4	39.4197	6.91585	0.92076	4.7	0.6	3.0	0.6	1.4	0.3	1.4	0.3	17.4	1.2	5.4	226.8	8.6	342.7		
SMDH 00063	26.2	68.6	146.0	17.3	60.2889	10.489	1.15095	6.4	1.3	4.0	0.9	2.7	0.3	2.3	0.3	27.7	1.2	7.9	318.2	8.6	601.7		1.6
SMDH 00063	18.2	76.2	157.6	17.7	62.6077	10.9501	1.03586	6.2	1.3	3.4	0.6	1.7	0.3	1.1	0.3	29.9	1.5	8.4	380.7	20.0	677.6		
SMDH 00063	17.1	67.9	136.4	14.8	53.3325	8.64482	1.61133	5.2	1.1	3.4	0.6	1.7	0.3	1.4	0.3	24.0	0.9	8.6	362.0	14.3	808.5	1.2	
SMDH 00063	44.5	109.0	234.6	25.9	90.4333	16.8286	1.49624	10.5	2.0	7.0	1.5	4.1	0.7	3.8	0.6	45.0	2.7	16.5	691.9	17.2	750.8		1.5
SMDH 00063	34.6	101.5	215.2	24.1	83.4769	15.6759	1.38114	8.4	1.5	6.0	1.3	3.1	0.6	3.4	0.6	43.4	1.8	13.0	513.0	15.7	947.0		
SMDH 00063	36.2	91.4	185.9	21.7	73.0423	12.3333	1.49624	7.6	1.4	5.6	1.1	3.2	0.6	3.5	0.3	34.6	1.4	12.0	496.6	18.6	1039.7		
SMDH 00063	15.0	14.4	32.9	3.8	13.9128	4.26478	1.26605	3.3	0.3	2.9	0.6	1.3	0.3	1.3	0.3	4.1	0.8	3.7	178.6	21.5	958.9		
SMDH 00063	36.2	110.9	222.7	26.5	92.7521	13.8317	1.61133	8.6	1.5	5.8	1.3	3.2	0.6	3.9	0.6	42.8	1.3	11.7	503.4	12.9	1141.8	0.5	1.5
SMDH 00063	42.2	93.1	197.6	23.4	77.6799	13.6012	1.49624	8.5	1.4	5.6	1.3	3.9	0.7	4.3	0.6	39.1	1.8	9.2	393.4	18.6	1058.4		
SMDH 00063	53.5	121.0	255.1	28.9	102.027	16.7133	1.72643	11.0	2.0	7.3	1.7	4.6	0.8	5.0	0.6	50.6	2.2	10.5	482.6	15.7	1120.3		
SMDH 00063	43.5	115.4	237.4	27.9	91.5927	15.4454	1.38114	9.5	1.3	5.7	1.5	4.0	0.7	4.8	0.7	45.5	1.7	7.1	270.3	11.4	776.5		1.6
SMDH 00064	48.4	105.9	216.5	25.2	85.7957	14.408	2.30191	10.8	2.0	7.7	1.5	3.8	0.6	4.2	0.3	38.7	2.7	9.2	404.0	30.0	1547.3	1.9	
SMDH 00064	43.3	110.5	219.3	25.3	83.4769	14.2928	1.95662	9.9	2.1	7.1	1.4	3.3	0.3	3.3	0.3	38.2	2.7	11.8	514.8	38.6	1370.0		1.3
SMDH 00064	31.4	77.3	158.1	19.2	64.9265	11.6417	1.15095	7.3	1.1	5.7	1.0	2.6	0.3	2.8	0.3	30.5	2.5	10.6	451.6	12.9	553.4		
SMDH 00064																							
SMDH 00064	29.8	73.0	155.8	18.3	63.7671	12.5638	1.03586	8.8	1.2	5.8	1.0	2.4	0.3	1.8	0.3	32.3	3.2	5.2	199.8	12.9	623.0	0.9	
SMDH 00064																							

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00064	43.5	136.0	293.3	34.2	118.259	22.0155	1.15095	15.0	2.0	9.6	1.5	3.3	0.3	3.1	0.3	62.8	5.1	9.0	318.4	22.9	1084.3		1.4
SMDH 00064	63.5	155.9	340.3	39.3	139.128	24.6665	1.61133	18.3	2.2	12.4	2.2	5.7	0.8	5.1	0.9	74.2	4.4	6.8	252.3	14.3	747.7		
SMDH 00064	34.3	106.5	225.9	26.9	92.7521	16.2523	1.15095	10.5	1.4	7.1	1.1	3.0	0.3	2.4	0.3	46.4	2.8	8.8	325.7	14.3	705.2		
SMDH 00064	28.0	140.3	292.3	34.5	120.578	20.4018	1.49624	12.6	1.3	7.0	1.0	1.9	0.3	1.4	0.3	62.8	3.1	7.5	281.1	12.9	668.1	0.8	1.4
SMDH 00064	47.5	104.6	220.4	25.3	95.0709	17.0591	1.03586	10.5	1.3	8.5	1.6	4.1	0.8	4.9	0.8	50.4	3.8	8.8	350.5	20.0	1100.2		
SMDH 00064	30.4	57.6	120.3	14.2	46.3761	8.41429	1.15095	6.0	0.8	4.7	1.0	2.4	0.3	2.8	0.3	26.6	1.7	5.2	202.9	12.9	641.7		
SMDH 00064	30.4	57.6	120.3	14.2	46.3761	8.41429	1.15095	6.0	0.8	4.7	1.0	2.4	0.3	2.8	0.3	26.6	1.7	5.2	202.9	12.9	641.7		
SMDH 00065	7.9	27.8	57.3	6.6	22.0286	4.61057	0.57548	2.6	0.3	1.5	0.3	0.7	0.3	0.7	0.3	10.2	1.1	4.8	194.0	10.0	155.8		
SMDH 00065	32.4	103.9	213.8	24.7	83.4769	13.8317	1.95662	9.4	1.2	5.8	1.1	3.0	0.3	2.7	0.3	38.7	3.2	10.6	468.3	17.2	665.7		
SMDH 00065	43.1	206.6	423.1	47.7	171.591	28.2397	1.95662	18.8	2.3	9.3	1.5	3.3	0.3	2.6	0.3	82.8	5.7	11.9	539.2	11.4	537.0	1.4	1.5
SMDH 00065	19.4	105.6	226.1	26.5	96.2303	15.5607	1.15095	11.0	1.3	5.2	0.8	1.3	0.3	0.8	0.3	47.0	6.7	12.0	500.1	21.5	1003.0		
SMDH 00065	18.8	91.6	199.9	23.3	81.1581	14.8691	1.61133	9.9	1.2	5.0	0.7	1.1	0.3	0.8	0.3	42.8	4.8	7.5	323.4	18.6	865.5		
SMDH 00065	31.2	103.0	215.4	25.0	89.2739	16.8286	2.18681	12.5	1.5	7.2	1.1	2.4	0.3	1.5	0.3	42.6	4.8	9.4	390.4	20.0	843.3		1.4
SMDH 00065	10.8	58.7	123.5	13.9	51.0137	8.0685	1.61133	5.6	0.7	3.0	0.3	0.8	0.3	0.6	0.3	23.3	2.4	6.3	270.0	15.7	712.4	1.1	
SMDH 00065	13.8	99.4	183.3	20.3	68.4047	13.947	2.07171	8.2	0.9	4.2	0.3	0.8	0.3	0.3	0.3	35.0	4.4	7.4	293.5	15.7	661.3		
SMDH 00065	17.7	91.7	197.5	22.1	77.6799	14.0622	1.72643	8.9	1.2	4.5	0.7	1.3	0.3	0.9	0.3	38.8	5.1	9.9	424.4	27.2	1078.5		1.4
SMDH 00065	73.9	101.4	218.5	25.2	91.5927	18.0965	1.49624	13.6	1.8	11.5	2.6	7.6	1.4	9.9	1.6	47.9	7.3	13.1	562.3	28.6	1036.4		
SMDH 00065	47.8	74.3	160.0	18.6	68.4047	12.9096	1.72643	10.1	1.6	7.6	1.5	4.3	0.7	4.3	0.7	36.5	7.1	11.2	434.6	28.6	1089.9	0.7	
SMDH 00065	20.7	60.5	125.2	14.4	52.1731	8.76008	1.61133	6.8	0.9	4.1	0.6	1.8	0.3	1.1	0.3	25.6	4.2	7.9	315.1	17.2	645.9		1.5
SMDH 00065	48.9	96.2	196.3	22.7	81.1581	13.947	1.95662	10.9	1.6	7.9	1.4	4.1	0.8	4.1	0.7	40.2	7.4	11.3	447.5	40.1	985.7		
SMDH 00066	28.6	88.7	182.6	21.5	73.0423	12.9096	1.61133	8.4	1.1	5.7	1.0	3.3	0.3	3.1	0.3	35.7	2.9	13.1	585.2	12.9	718.1		
SMDH 00066	21.0	55.4	114.6	13.5	47.5355	8.29903	1.03586	5.6	0.7	3.8	0.7	2.2	0.3	1.8	0.3	21.2	1.9	7.5	341.1	12.9	523.5		1.5
SMDH 00066	20.5	96.9	190.4	23.2	77.6799	12.7943	1.84152	8.2	0.8	4.5	0.8	2.3	0.3	1.8	0.3	33.0	2.4	10.7	458.6	22.9	635.8		
SMDH 00066	14.1	69.1	146.6	17.5	57.9701	10.8348	1.38114	6.9	0.7	3.2	0.3	1.7	0.3	1.3	0.3	31.2	1.7	6.1	243.4	14.3	882.3	1.4	
SMDH 00066	13.4	54.3	111.8	13.3	44.0573	8.18376	1.38114	5.3	0.3	2.7	0.6	1.4	0.3	1.3	0.3	22.5	1.4	6.4	254.2	12.9	638.4		1.5
SMDH 00066	21.2	72.7	155.8	17.5	59.1295	10.7196	1.84152	6.9	0.8	4.4	0.7	2.5	0.3	2.4	0.3	30.2	1.3	8.1	335.4	15.7	874.3		
SMDH 00066	24.2	88.7	168.9	19.0	66.0859	11.4112	1.72643	7.4	0.9	4.2	0.8	2.1	0.3	2.4	0.3	27.3	1.4	7.4	311.4	31.5	894.2		
SMDH 00066	15.0	101.1	208.2	22.1	76.5205	13.1401	2.07171	7.6	0.7	3.1	0.6	1.3	0.3	1.0	0.3	40.9	1.2	5.2	223.2	12.9	409.5	0.7	1.6
SMDH 00066	24.6	93.0	188.8	20.9	69.5641	12.4485	1.61133	7.7	0.8	4.5	0.8	2.4	0.3	2.6	0.3	35.4	1.4	7.3	332.4	31.5	786.3		
SMDH 00067	38.5	92.7	207.9	23.4	78.8393	14.0622	1.61133	8.6	1.2	6.5	1.3	3.2	0.3	3.5	0.6	39.3	2.8	10.7	463.3	17.2	922.4		
SMDH 00067	27.2	79.3	175.4	19.6	67.2453	12.3333	1.38114	7.2	0.9	5.0	0.9	2.3	0.3	2.3	0.3	33.8	2.7	9.6	395.6	18.6	638.6		
SMDH 00067	19.6	34.6	74.9	8.9	30.1444	6.109	1.03586	4.1	0.6	3.8	0.7	1.6	0.3	1.6	0.3	11.7	1.1	5.1	216.1	15.7	591.2	1.8	1.5
SMDH 00067	19.0	39.4	81.4	9.1	32.4632	5.87848	0.92076	3.6	0.3	3.2	0.6	1.7	0.3	1.7	0.3	13.5	1.2	5.5	243.4	14.3	614.6		
SMDH 00067	9.9	69.3	142.3	16.0	53.3325	8.18376	1.26605	4.7	0.3	2.4	0.3	0.8	0.3	0.6	0.3	27.7	1.1	5.4	250.6	15.7	733.5		
SMDH 00067	8.2	77.1	149.3	17.3	57.9701	9.22114	2.07171	4.8	0.3	2.1	0.3	0.7	0.3	0.3	0.3	25.8	0.9	5.7	252.5	18.6	716.9		1.4
SMDH 00067	6.7	51.5	103.1	11.6	39.4197	6.22427	1.84152	3.2	0.3	1.6	0.3	0.6	0.3	0.3	0.3	17.8	0.8	7.0	310.1	17.2	838.8	0.3	
SMDH 00067	6.7	51.5	103.1	11.6	39.4197	6.22427	1.84152	3.2	0.3	1.6	0.3	0.6	0.3	0.3	0.3	17.8	0.8	7.0	310.1	17.2	838.8	0.3	
SMDH 00068	36.2	83.3	175.9	20.5	70.7235	11.9875	1.26605	7.3	1.1	6.1	1.1	3.2	0.3	3.4	0.3	31.5	2.7	14.9	673.5	22.9	766.6		
SMDH 00068	31.1	94.1	197.7	22.7	77.6799	13.1401	1.15095	7.8	0.9	5.6	1.0	2.6	0.3	2.8	0.3	37.1	2.4	8.7	407.1	12.9	614.6		1.6
SMDH 00068	39.8	55.6	118.5	13.3	45.2167	8.76008	1.03586	5.5	0.8	6.0	1.3	3.7	0.7	4.5	0.7	21.1	1.9	5.8	260.8	17.2	689.3		
SMDH 00068	36.9	51.7	111.7	12.2	44.0573	7.95323	1.03586	5.3	0.8	5.7	1.3	3.7	0.7	4.3	0.7	19.9	1.9	7.9	345.3	17.2	669.9	1.0	
SMDH 00068	25.2	46.6	94.0	11.3	37.1009	7.49218	1.26605	5.0	0.7	4.8	0.9	2.3	0.3	2.5	0.3	15.9	1.4	5.7	255.7	24.3	635.8		1.3
SMDH 00068	37.1	59.5	121.6	14.8	49.8543	9.45167	1.49624	6.4	1.1	6.4	1.3	3.2	0.6	3.8	0.6	21.5	2.4	6.8	296.0	25.7	774.4		
SMDH 00068	18.8	62.2	127.8	15.1	51.0137	8.87535	1.38114	5.5	0.7	3.9	0.7	1.6	0.3	1.6	0.3	23.5	1.2	5.3	230.2	15.7	672.0		
SMDH 00068	12.4	68.3	137.6	16.0	52.1731	8.41429	1.95662	4.8	0.3	2.5	0.3	1.1	0.3	1.0	0.3	24.4	0.8	3.7	162.1	12.9	771.8		1.5
SMDH 00068	17.2	67.6	138.0	16.1	55.6513	9.56693	1.61133	5.3	0.6	3.2	0.6	1.6	0.3	2.0	0.3	25.3	1.5	4.5	193.7	51.5	753.6		
SMDH 00068	34.6	63.7	131.7	15.5	51.0137	9.22114	1.95662	5.7	0.8	5.6	1.1	3.2	0.6	4.0	0.7	23.4	1.5	4.1	178.8	20.0	855.4		
SMDH 00069	30.5	108.0	251.8	26.7	89.2739	15.6759	0.92076	10.7	1.3	6.0	1.1	3.0	0.3	2.8	0.3	50.0	3.7	34.9	1579.5	15.7	1166.5		
SMDH 00069	30.4	75.1	180.3	16.9	61.4483	10.6043	1.26605	7.3	0.9	5.4	1.1	3.2	0.3	3.4	0.3	33.5	2.1	11.6	546.4	22.9	1404.3		
SMDH 00069	44.5	92.3	185.5	21.6	76.5205	12.1027	1.49624	9.1	1.2	7.1	1.5	4.3	0.7	4.2	0.3	35.4	1.9	9.3	426.2	20.0	993.9		0.9
SMDH 00069	39.8	74.8	147.6	17.4	57.9701	10.9501	1.38114	7.7	1.1	6.8	1.5	4.5	0.7	4.3	0.6	28.5	1.8	7.4	332.6	24.3	755.9	1.2	
SMDH 00069	37.0	80.1	146.5	19.3	64.9265	10.8348	1.61133	7.3	1.2	5.8	1.4	4.6	0.3	4.4	0.3	28.4	1.9	11.6	454.3	22.9	1013.3		
SMDH 00069	43.9	71.0	138.2	16.8	54.4919	8.87535	1.26605	5.7	0.8	6.3	1.6	4.6	0.7	5.1	0.3	24.1	1.3	8.8	384.3	17.2	834.1		1.5
SMDH 00069	50.7	92.0	201.5	25.0	85.7957	13.1401	2.18681	9.9	1.2	7.9	1.8	6.6	0.9	4.9	0.8	36.0	2.0	11.6	491.4	28.6	1132.2		
SMDH 00069	44.2	81.4	179.0	21.3	73.0423	11.8722	1.61133	7.9	1.1	6.5	1.5	5.4	0.8	4.7	0.7	29.5	1.4	10.5	467.6	25.7	1069.8	1.2	
SMDH 00069	51.3	91.1	205.5	24.1	79.9987	13.1401	1.72643	9.3	1.3	7.9	1.7	5.9	0.8	4.5	0.8	35.0	1.8	13.2	593.4	32.9	1224.2		1.6
SMDH 00069	52.0	74.7	164.9	19.1	66.0859	10.9501	1.84152	7.4	1.1	7.3	1.8	5.9	0.8	5.6	0.8	27.4	1.8	8.5	382.4	20.0	968.2		
SMDH 00069	42.5	84.4	186.4	22.2	75.3611	12.5638	1.84152	8.8	1.1	6.6	1.5	4.9	0.7	4.1	0.3	32.9	1.8	7.8	365.1	18.6	918.9		
SMDH 00069	44.6	84.7	186.5	22.0	78.8393	12.7943	1.84152	8.8	1.1	6.8	1.6	5.1	0.7	4.1	0.7	33.3	2.4	10.0	436.0	24.3	1178.2	1.1	1.6
SMDH 00069	52.6	86.0	189.7	22.9	75.3611	13.0249	2.07171	8.9	1.2	8.1	1.8	6.4	0.9	5.3	0.9	32.7	2.1	10.6	462.6	27.2	1030.6		
SMDH 00069	53.0	112.9	210.2	28.2	85.7957	15.0996	1.95662	9.4	1.4	8.1	1.9	6.4	1.0	5.6	0.8	33.8	2.0	10.8	488.0	48.6	1060.0		
SMDH 00069	42.1	80.7	177.5	21.3	74.2017	13.2554	1.72643	8.1	1.1	6.3	1.5	5.1	0.8	4.5	0.7	30.2	2.0	9.3	433.9	21.5	1037.1		1.5
SMDH 00069	46.1	81.5	170.2	18.7	67.2453	11.4112	1.38114	7.7	1.1	7.1	1.6	5.4	0.7	5.7	0.8	29.6	2.0	9.1	424.2	18.6	872.0	0.8	
SMDH 00069	43.6	74.4	154.7	17.9	61.4483	10.2585	1.26605	6.8	1.1	6.2	1.6	5.2	0.7	5.2	0.7	26.5	1.5	9.1	422.0	25.7	1101.8		
SMDH 00069	40.0	75.5	152.6	17.5	63.7671	10.8348	1.26605	7.1	0.9	5.6	1.4	4.7	0.6	4.7	0.6	26.6	1.9	8.3	375.4	22.9	778.1		1.7
SMDH 00069	35.1	74.1	155.8	20.1	63.7671	11.9875	1.38114	6.8	0.9	5.5	1.1	3.8	0.7	4.4	0.3	29.3	1.9	8.6	318.0	17.2	656.9		
SMDH 00070	18.4	61.7	125.5	14.1	49.8543	9.91272	0.92076	5.6	0.8	3.8	0.7	2.2	0.3	1.9	0.3	34.2	2.4	10.4	505.3	15.7	795.4		1.6
SMDH 00070	35.9	93.2	177.9	19.3	67.2453	11.2959	1.26605	6.8	1.1	6.8	1.3	4.1	0.6	4.3	0.6	34.1	2.0	7.3	365.1	22.9	770.6		
SMDH 00070	50.4	91.3	159.8	20.4	73.0423	17.7507	4.71891	10.8	1.6	10.1	1.6	5.1	0.7	4.1	0.7	12.0	1.7	5.4	322.4	38.6	2449.4	3.5	
SMDH 00070	24.7	79.5	154.8	17.7	60.2889	10.1433	1.38114	5.0	0.8	4.2	0.8	3.3	0.3	3.1	0.3	28.7	1.1	7.4	410.5	17.2	735.3		1.7
SMDH 00070	20.8	58.3	109.0	12.5	41.7385	7.03112	1.15095	3.2	0.3	3.8	0.7	2.2	0.3	2.7	0.3	20.3	1.1	7.7	450.9	22.9	924.3		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00070	8.4	18.9	33.6	3.4	11.594	1.84423	0.28774	1.1	0.3	1.4	0.3	0.9	0.3	1.0	0.3	14.8	2.9	2.0	104.7	7.2	134.5		
SMDH 00070	23.8	52.8	105.0	12.2	39.4197	7.37691	1.03586	4.1	0.7	4.0	0.8	2.7	0.3	3.0	0.3	19.5	1.2	5.9	300.0	15.7	689.6	1.6	1.7
SMDH 00070	31.2	69.7	139.7	15.5	51.0137	8.99061	1.15095	4.7	0.8	4.9	1.0	3.7	0.3	3.8	0.6	24.1	1.5	6.5	358.6	18.6	829.9		
SMDH 00070	18.5	55.4	116.3	13.2	45.2167	8.64482	1.26605	4.9	0.7	3.9	0.7	2.1	0.3	2.2	0.3	24.5	2.1	9.7	558.2	28.6	1965.9		
SMDH 00070	33.0	75.8	149.0	16.8	54.4919	10.028	1.26605	5.4	0.9	5.2	1.0	3.5	0.3	4.0	0.6	26.9	2.1	7.7	456.0	22.9	869.9		1.7
SMDH 00070	34.2	72.5	144.9	16.7	56.8107	9.6822	1.26605	6.0	1.1	5.6	1.1	4.1	0.7	4.0	0.6	26.9	2.9	7.7	373.0	17.2	686.8	0.9	
SMDH 00070	28.1	72.3	149.4	16.7	56.8107	9.79746	1.26605	6.0	0.8	4.5	1.0	3.9	0.3	3.4	0.6	27.8	1.8	8.6	383.9	17.2	775.1		
SMDH 00070	28.4	68.9	141.5	16.5	55.6513	9.6822	1.38114	6.8	0.8	4.8	1.0	4.1	0.3	3.4	0.3	26.2	2.6	8.4	342.7	24.3	682.8		1.6
SMDH 00070	26.2	53.9	108.4	12.7	40.5791	6.91585	1.03586	4.0	0.6	4.2	0.8	3.9	0.3	3.8	0.3	19.1	0.8	11.6	588.3	15.7	625.1	0.7	
SMDH 00070	24.6	58.0	123.4	14.3	42.8979	6.57006	1.26605	4.1	0.6	4.0	0.9	3.5	0.3	3.2	0.3	23.5	0.7	7.7	337.4	14.3	757.8		1.7
SMDH 00070	51.3	91.3	186.0	21.1	71.8829	11.9875	1.49624	8.0	1.1	7.6	1.9	5.4	0.8	5.7	0.9	36.2	1.9	15.1	693.6	17.2	850.5		
SMDH 00070	36.5	75.7	155.3	17.3	57.9701	9.45167	1.38114	6.6	0.9	5.4	1.3	3.8	0.6	3.9	0.3	28.7	1.5	9.9	440.5	18.6	840.7		
SMDH 00070	11.5	22.2	43.5	4.7	15.0722	2.42055	1.38114	1.7	0.3	1.9	0.3	1.3	0.3	1.3	0.3	7.3	0.7	8.7	409.8	10.0	651.7	0.9	1.8
SMDH 00071	18.8	65.6	147.6	16.6	59.1295	10.9501	0.69057	6.1	0.7	3.9	0.7	1.5	0.3	1.7	0.3	31.6	2.2	15.4	651.6	8.6	384.3	40.8	1.7
SMDH 00071	27.8	89.8	194.6	21.9	77.6799	13.947	1.15095	8.6	1.1	5.5	1.0	2.2	0.3	2.5	0.3	41.1	2.8	17.5	762.4	15.7	669.7		
SMDH 00071	34.6	94.6	183.1	23.1	79.9987	14.7538	1.72643	8.5	1.1	6.2	1.1	2.5	0.3	3.0	0.3	38.6	1.9	12.4	528.6	20.0	973.6		
SMDH 00071	35.2	80.1	171.4	20.2	70.7235	14.6386	1.49624	8.4	1.2	7.1	1.3	2.5	0.3	2.8	0.3	34.8	2.0	7.7	351.3	25.7	1024.8		1.6
SMDH 00071	30.0	65.4	141.0	16.3	57.9701	11.5264	1.38114	7.4	1.1	6.0	1.0	1.9	0.3	2.3	0.3	30.1	2.4	9.7	414.7	28.6	916.8	4.5	
SMDH 00071	26.1	55.1	115.2	13.6	48.6949	10.028	1.38114	6.4	0.9	5.2	0.9	1.8	0.3	1.7	0.3	24.6	1.7	6.3	276.8	18.6	711.5		
SMDH 00071	16.6	70.3	145.1	17.7	59.1295	11.1806	1.61133	6.4	0.8	3.9	0.7	1.3	0.3	1.3	0.3	28.3	1.3	7.8	333.2	25.7	739.8	1.4	1.6
SMDH 00071	26.5	54.5	116.9	14.2	48.6949	9.3364	1.15095	6.3	1.1	5.0	0.9	1.6	0.3	1.6	0.3	23.4	1.7	9.6	394.6	20.0	843.3		1.7
SMDH 00071	44.5	48.4	98.8	11.4	39.4197	6.4548	1.15095	4.2	0.8	6.6	1.6	3.3	0.7	4.3	0.7	19.3	0.9	12.6	534.2	12.9	1126.4		
SMDH 00071	28.1	100.0	214.7	25.1	85.7957	15.6759	1.61133	8.9	1.2	5.6	1.0	1.9	0.3	2.3	0.3	48.3	1.8	10.4	435.5	18.6	1060.5	10.5	
SMDH 00071	31.9	75.5	161.1	19.6	68.4047	13.6012	1.49624	8.6	1.3	6.6	1.1	2.1	0.3	2.2	0.3	34.9	1.9	11.7	506.0	22.9	879.5		1.6
SMDH 00071	39.5	75.1	163.6	19.9	69.5641	14.408	1.72643	9.3	1.5	7.9	1.4	2.5	0.3	2.6	0.3	33.7	2.4	10.3	407.8	27.2	844.9		
SMDH 00071	39.5	75.1	163.6	19.9	69.5641	14.408	1.72643	9.3	1.5	7.9	1.4	2.5	0.3	2.6	0.3	33.7	2.4	10.3	407.8	27.2	844.9		
SMDH 00072	21.3	92.6	209.6	24.0	86.9551	15.0996	0.80567	8.2	0.9	5.0	0.9	1.6	0.3	1.8	0.3	48.2	2.6	16.4	686.7	15.7	527.0		
SMDH 00072	35.0	122.4	251.0	30.7	108.984	18.5575	1.49624	10.3	1.4	7.1	1.3	2.6	0.3	2.8	0.3	54.9	2.9	16.3	690.0	17.2	786.0	3.7	
SMDH 00072	26.9	99.2	188.8	24.1	84.6363	14.9844	2.18681	8.4	1.1	5.2	0.9	1.8	0.3	2.0	0.3	40.2	1.7	10.3	446.7	21.5	771.5		1.5
SMDH 00072	21.8	67.3	144.9	17.2	61.4483	11.4112	1.15095	6.8	0.8	4.2	0.8	1.6	0.3	2.0	0.3	33.7	1.7	9.0	377.3	20.0	537.7		
SMDH 00072	26.0	91.3	200.4	23.1	81.1581	14.6386	1.49624	8.0	1.1	5.3	1.0	1.8	0.3	2.2	0.3	44.4	2.0	9.4	407.7	18.6	688.9		
SMDH 00072	30.7	72.7	165.1	19.1	67.2453	12.1027	1.15095	7.2	0.9	5.7	1.1	2.4	0.3	2.6	0.3	36.3	2.0	7.8	321.8	18.6	588.2	3.9	1.6
SMDH 00072	27.5	66.3	146.6	17.3	60.2889	10.9501	1.03586	5.8	0.9	5.2	1.0	2.1	0.3	2.4	0.3	30.3	1.5	6.5	272.9	14.3	498.2		
SMDH 00072	26.9	97.8	192.5	23.3	81.1581	13.4859	1.84152	7.7	0.9	5.2	0.9	1.7	0.3	1.9	0.3	34.2	1.5	6.5	291.1	34.3	805.9		
SMDH 00072	21.5	61.5	133.0	16.0	56.8107	10.7196	1.61133	5.7	0.7	4.2	0.7	1.4	0.3	1.5	0.3	29.0	1.3	6.1	261.4	15.7	544.3	1.4	
SMDH 00072	29.9	66.3	143.3	17.1	59.1295	11.4112	2.07171	6.2	0.8	5.2	0.9	2.2	0.3	2.4	0.3	31.6	1.5	4.6	201.7	11.4	362.1		
SMDH 00072	32.2	64.9	142.9	17.5	61.4483	11.8722	1.38114	6.6	0.9	5.6	1.0	2.2	0.3	2.6	0.3	31.9	1.8	6.4	267.9	14.3	553.6		1.7
SMDH 00072	34.0	94.1	201.3	24.9	89.2739	15.7912	1.72643	8.9	1.2	6.9	1.3	2.4	0.3	2.5	0.3	45.9	2.0	8.4	365.3	17.2	703.1		
SMDH 00072	33.6	73.9	163.9	19.8	69.5641	13.1401	1.61133	7.6	1.1	6.0	1.1	2.3	0.3	2.5	0.3	38.0	1.8	7.3	322.2	27.2	861.9	0.4	
SMDH 00072	43.9	79.9	174.3	21.6	76.5205	14.6386	1.61133	8.1	1.2	7.7	1.4	3.1	0.6	3.8	0.3	41.0	2.0	8.5	354.2	21.5	829.2		1.8
SMDH 00072	35.6	88.8	188.5	22.8	79.9987	15.5607	1.61133	8.4	1.1	6.5	1.3	2.6	0.3	3.0	0.3	42.7	2.1	7.9	325.1	25.7	624.6		
SMDH 00072	30.0	80.3	174.0	21.0	73.0423	12.9096	1.38114	7.7	0.9	5.4	1.1	2.2	0.3	2.3	0.3	39.0	1.7	7.8	328.9	17.2	602.9		
SMDH 00072	30.0	80.3	174.0	21.0	73.0423	12.9096	1.38114	7.7	0.9	5.4	1.1	2.2	0.3	2.3	0.3	39.0	1.7	7.8	328.9	17.2	602.9		
SMDH 00073	24.5	82.5	205.4	22.0	78.8393	14.2928	1.15095	8.4	1.1	5.5	0.9	1.9	0.3	1.8	0.3	43.9	2.2	11.8	537.5	17.2	556.2		
SMDH 00073	32.7	117.5	243.0	29.8	106.665	19.0186	1.61133	10.8	1.3	6.6	1.1	2.3	0.3	2.3	0.3	52.7	2.6	14.6	634.3	15.7	617.4		1.6
SMDH 00073	25.0	133.9	260.4	32.4	111.303	19.2491	2.417	10.9	1.3	6.0	0.9	1.7	0.3	1.5	0.3	48.6	1.8	13.2	563.0	45.8	1064.5		
SMDH 00073	19.8	82.9	174.2	20.7	74.2017	13.947	1.49624	7.9	0.9	4.6	0.7	1.4	0.3	1.3	0.3	35.9	1.9	9.7	414.4	17.2	466.5	1.1	
SMDH 00073	16.5	87.3	185.5	22.2	77.6799	14.2928	1.38114	8.1	0.9	4.5	0.6	1.0	0.3	0.8	0.3	39.2	1.7	9.1	388.2	21.5	515.8		1.6
SMDH 00073	25.6	106.3	226.4	27.1	96.2303	17.1744	1.72643	10.1	1.1	6.1	0.9	1.6	0.3	1.6	0.3	49.7	1.9	11.2	463.9	18.6	682.8		
SMDH 00073	21.5	69.7	149.0	18.0	62.6077	11.2959	1.26605	6.5	0.7	4.4	0.7	1.5	0.3	1.7	0.3	32.6	1.7	7.7	336.9	14.3	708.0		
SMDH 00073	30.0	65.4	137.4	16.7	56.8107	10.9501	1.26605	6.4	0.8	5.2	1.0	2.1	0.3	2.6	0.3	33.2	1.2	4.6	203.4	18.6	603.8	1.2	1.5
SMDH 00073	44.2	68.4	150.5	17.2	60.2889	11.8722	1.15095	7.0	0.9	6.9	1.6	3.4	0.8	4.7	0.7	36.3	1.7	8.3	350.8	18.6	826.2		
SMDH 00073	28.8	70.7	150.6	18.3	66.0859	11.8722	1.26605	6.8	0.8	5.4	1.0	2.1	0.3	2.5	0.3	37.1	1.2	4.5	191.5	11.4	674.8		
SMDH 00073	43.5	79.5	168.9	20.3	70.7235	12.3333	1.38114	7.2	0.9	7.0	1.6	3.5	0.8	4.4	0.7	40.1	1.5	6.8	292.3	14.3	890.9		1.5
SMDH 00073	11.3	92.6	191.0	22.5	78.8393	12.9096	1.84152	6.8	0.7	3.2	0.3	0.8	0.3	0.6	0.3	44.5	1.1	7.2	320.7	11.4	819.9	0.2	
SMDH 00073	12.5	130.2	266.6	30.7	108.984	17.5202	2.30191	9.5	0.9	3.7	0.3	0.8	0.3	0.6	0.3	61.2	1.1	5.9	260.7	12.9	703.3		
SMDH 00073	11.7	107.3	213.5	24.6	89.2739	13.8317	2.64719	7.4	0.8	3.2	0.3	0.8	0.3	0.7	0.3	44.7	0.9	5.2	227.1	25.7	284.3		1.8
SMDH 00073	11.7	107.3	213.5	24.6	89.2739	13.8317	2.64719	7.4	0.8	3.2	0.3	0.8	0.3	0.7	0.3	44.7	0.9	5.2	227.1	25.7	284.3		1.8
SMDH 00074	19.5	59.3	178.3	15.0	55.6513	9.91272	1.03586	6.9	0.8	4.5	0.8	2.5	0.3	2.5	0.3	41.5	2.1	13.8	524.2	22.9	518.1		
SMDH 00074	21.5	77.4	169.7	18.4	63.7671	11.1806	1.15095	7.4	0.8	4.8	0.9	2.6	0.3	2.3	0.3	43.0	1.8	12.6	465.6	17.2	639.3	3.3	1.4
SMDH 00074	34.7	108.7	220.8	25.8	98.5491	18.5575	2.30191	12.6	1.3	7.6	1.3	4.1	0.3	2.8	0.3	47.8	1.4	10.8	414.7	18.6	642.1		
SMDH 00074	28.8	92.0	200.7	25.0	82.3175	16.3675	1.26605	11.3	1.2	5.3	1.0	3.5	0.3	2.6	0.3	44.4	1.5	9.3	412.9	18.6	680.9		
SMDH 00074	26.5	84.7	181.7	21.9	74.2017	15.9065	1.49624	9.9	1.2	5.3	1.0	3.3	0.3	2.4	0.3	41.0	1.4	9.4	425.5	18.6	726.0		1.6
SMDH 00074	37.0	75.9	159.1	19.8	64.9265	15.0996	1.38114	10.0	1.4	6.3	1.3	4.6	0.7	4.0	0.6	34.1	1.4	10.4	478.3	22.9	847.9	0.8	
SMDH 00074	33.3	75.8	161.9	19.1	63.7671	13.3707	1.38114	9.3	1.2	5.7	1.0	4.1	0.6	3.3	0.3	33.2	1.4	10.5	452.9	22.9	870.4		
SMDH 00074	29.9	46.5	89.2	10.1	33.6226	7.03112	1.72643	5.4	0.9	4.4	1.0	4.0	0.6	3.9	0.6	14.4	1.2	15.1	653.0	22.9	1182.0		1.7
SMDH 00074	19.9	68.9	149.0	17.7	60.2889	11.9875	1.61133	7.3	0.8	3.6	0.7	2.5	0.3	2.2	0.3	34.9	1.2	11.0	509.0	22.9	1066.3		
SMDH 00074	24.5	96.7	205.0	25.5	83.4769	15.7912	1.72643	9.5	1.1	4.5	0.9	3.3	0.3	2.7	0.3	42.8	1.2	10.5	488.3	18.6	1188.5	0.8	
SMDH 00074	27.6	92.0	195.4	24.0	78.8393	15.3301	1.26605	9.5	1.2	5.5	1.0	3.4	0.3	2.7	0.3	41.0	1.3	9.3	431.0	22.9	1509.7		1.6
SMDH 00074	29.9	94.9	202.7	24.4	82.3175	15.0996	1.84152	9.1	1.2	5.4	1.0	3.5	0.3	3.2	0.3	44.6	1.4	11.3	499.4	21.5	1114.5		
SMDH 00074	31.4	93.3	190.6	21.9	75.3611	15.5607	1.95662	8.9	1.3	6.3	1.1	3.4	0.3	3.1	0.3	49.2	1.5	8.4	391.6	18.6	748.9		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00074	39.7	97.0	196.1	22.2	74.2017	15.3301	1.84152	9.6	1.4	7.6	1.4	4.0	0.6	4.0	0.6	47.5	2.0	8.6	415.8	22.9	779.0	0.4	1.8
SMDH 00074	28.8	95.2	197.6	21.9	76.5205	15.9065	1.72643	9.6	1.3	6.4	1.1	3.1	0.3	2.7	0.3	50.1	1.5	7.2	362.0	21.5	713.4		
SMDH 00074	23.7	103.5	210.1	23.4	82.3175	15.2149	1.72643	9.3	1.2	6.0	0.9	2.3	0.3	2.4	0.3	49.4	1.5	7.7	379.8	20.0	606.6		
SMDH 00074	22.8	89.1	178.1	20.7	69.5641	12.7943	1.84152	7.7	0.9	5.2	0.8	2.3	0.3	2.3	0.3	41.3	1.2	7.2	365.4	11.4	688.6		1.8
SMDH 00074	20.8	80.0	160.3	18.1	63.7671	10.7196	1.72643	7.3	0.8	4.8	0.8	2.3	0.3	1.8	0.3	37.9	1.2	6.4	335.1	14.3	964.7	0.8	
SMDH 00074	21.7	85.7	170.0	19.3	67.2453	11.6417	2.07171	7.4	0.9	4.7	0.9	2.3	0.3	2.0	0.3	40.0	1.2	8.1	359.6	14.3	861.0		
SMDH 00074	21.7	85.7	170.0	19.3	67.2453	11.6417	2.07171	7.4	0.9	4.7	0.9	2.3	0.3	2.0	0.3	40.0	1.2	8.1	359.6	14.3	861.0		
SMDH 00075	29.1	99.8	193.0	20.4	79.9987	11.0654	1.26605	8.7	1.1	5.5	0.9	2.9	0.3	2.5	0.3	37.9	1.9	16.4	730.6	14.3	731.1		1.5
SMDH 00075	44.2	99.8	187.8	20.3	79.9987	11.5264	1.61133	8.4	1.2	7.2	1.5	4.3	0.7	4.0	0.3	38.5	1.5	12.3	564.8	15.7	753.3	3.2	
SMDH 00075	40.0	97.6	193.7	20.1	75.3611	10.1433	1.61133	8.0	1.1	6.9	1.4	4.1	0.6	3.8	0.3	35.5	1.3	10.5	471.7	15.7	892.5		
SMDH 00075	41.4	125.2	260.3	25.9	100.868	14.6386	1.84152	10.0	1.3	6.9	1.5	4.7	0.7	4.4	0.6	48.0	1.5	13.9	612.5	18.6	1047.7		1.3
SMDH 00075	37.6	89.2	185.5	18.6	71.8829	11.4112	1.61133	8.0	1.2	6.4	1.3	3.9	0.6	3.3	0.3	35.5	2.5	11.1	500.7	20.0	822.9		
SMDH 00075	32.7	115.6	260.9	26.2	92.7521	13.8317	2.30191	10.0	1.3	6.4	1.3	3.4	0.3	3.5	0.3	45.7	1.5	13.2	617.9	22.9	905.2	0.7	
SMDH 00075	27.2	143.9	305.9	30.0	117.1	16.137	1.84152	11.2	1.3	5.8	1.0	2.5	0.3	2.3	0.3	56.4	1.8	15.6	720.0	20.0	1098.3		1.5
SMDH 00075	32.4	138.7	292.9	28.8	115.94	16.5981	1.84152	10.9	1.4	6.8	1.3	3.3	0.3	2.7	0.3	59.3	1.8	13.4	626.5	24.3	1107.9		
SMDH 00075	27.4	109.7	233.0	22.5	86.9551	12.6791	1.72643	8.7	1.1	5.7	0.9	2.6	0.3	1.9	0.3	43.7	1.9	11.9	535.5	34.3	1028.7		
SMDH 00075	36.9	104.9	214.5	25.0	85.7957	14.1775	1.84152	8.8	1.2	6.9	1.3	4.1	0.3	3.1	0.3	37.7	1.9	8.0	368.9	28.6	788.8	0.9	
SMDH 00075	30.9	86.2	178.7	20.2	67.2453	10.8348	1.95662	7.4	0.9	5.4	1.0	3.4	0.3	3.1	0.3	27.6	1.3	8.3	388.6	28.6	716.7		
SMDH 00075	47.7	128.8	273.9	31.3	108.984	16.9438	1.61133	11.3	1.4	8.4	1.7	5.7	0.7	5.0	0.8	50.4	2.5	10.1	460.6	18.6	819.0		1.5
SMDH 00075	32.4	123.4	260.1	29.2	100.868	15.9065	1.61133	9.7	1.1	5.6	1.1	3.7	0.3	3.4	0.3	47.9	2.0	8.3	402.8	12.9	692.6	0.5	
SMDH 00075	11.2	94.9	203.8	22.8	84.6363	13.6012	1.49624	7.9	0.7	3.1	0.3	1.1	0.3	0.9	0.3	42.8	1.5	12.5	434.7	20.0	1149.3		
SMDH 00075	34.7	104.2	223.8	25.2	88.1145	13.6012	1.26605	8.4	0.9	6.1	1.1	4.7	0.6	4.3	0.6	44.2	1.5	12.5	464.7	8.6	750.1		1.6
SMDH 00075	8.1	40.1	77.2	8.4	28.985	4.03425	1.84152	2.4	0.3	1.5	0.3	1.1	0.3	1.0	0.3	14.4	0.9	16.6	645.5	21.5	1152.1		
SMDH 00075	27.5	128.1	263.8	29.8	105.506	15.6759	1.49624	9.1	1.1	5.7	1.1	3.8	0.3	3.2	0.3	47.9	1.7	12.1	468.6	12.9	976.6	0.7	
SMDH 00075	27.0	102.0	213.8	23.8	89.2739	15.0996	1.49624	8.5	0.9	5.0	0.9	3.4	0.3	3.5	0.3	42.6	1.8	13.7	528.6	15.7	930.9		1.6
SMDH 00075	32.3	108.7	225.3	24.7	91.5927	13.8317	1.84152	8.6	1.1	6.1	1.1	4.7	0.6	4.5	0.6	48.5	1.2	14.0	530.6	12.9	982.0		
SMDH 00075	32.3	108.7	225.3	24.7	91.5927	13.8317	1.84152	8.6	1.1	6.1	1.1	4.7	0.6	4.5	0.6	48.5	1.2	14.0	530.6	12.9	982.0		
SMDH 00076	22.9	68.2	152.8	16.8	55.6513	10.2585	0.80567	6.1	0.7	3.9	0.8	3.2	0.3	2.4	0.3	28.3	1.5	14.4	564.9	8.6	516.5	2.1	
SMDH 00076	31.3	113.8	244.3	27.0	91.5927	17.1744	1.03586	10.3	1.3	5.5	1.1	3.8	0.3	3.0	0.3	49.9	2.5	27.1	1116.6	10.0	694.9		1.5
SMDH 00076	18.0	44.9	88.3	10.6	34.782	5.41742	1.61133	4.1	0.6	3.1	0.3	2.3	0.3	2.0	0.3	14.9	1.3	20.4	962.4	22.9	1114.2		
SMDH 00076	21.0	32.8	67.9	7.8	27.8256	5.99374	1.61133	4.8	0.8	3.9	0.7	2.2	0.3	1.6	0.3	11.2	1.7	16.4	660.7	27.2	951.6		
SMDH 00076	25.6	32.2	74.6	8.8	32.4632	8.0685	1.72643	7.2	0.9	5.4	0.8	2.3	0.3	1.6	0.3	9.4	1.2	8.1	349.3	34.3	1643.3	1.1	1.6
SMDH 00076	9.3	16.7	34.7	4.2	13.9128	3.45793	1.38114	2.7	0.3	2.1	0.3	0.9	0.3	0.8	0.3	2.4	0.6	5.0	199.4	32.9	1192.5		
SMDH 00076	10.5	19.1	39.2	4.4	15.0722	4.03425	1.72643	3.1	0.3	2.6	0.3	1.1	0.3	1.1	0.3	1.8	0.3	7.7	379.8	32.9	1552.4		
SMDH 00076	10.5	19.1	39.2	4.4	15.0722	4.03425	1.72643	3.1	0.3	2.6	0.3	1.1	0.3	1.1	0.3	1.8	0.3	7.7	379.8	32.9	1552.4		
SMDH 00077	7.0	31.7	75.7	7.8	27.8256	4.49531	1.38114	2.4	0.3	1.5	0.3	0.7	0.3	0.7	0.3	11.0	0.6	10.0	400.4	12.9	718.3		
SMDH 00077	36.6	115.4	261.3	28.8	93.9115	16.4828	1.38114	11.0	1.2	7.0	1.3	4.3	0.3	3.5	0.3	45.2	2.5	12.6	609.6	21.5	968.7		
SMDH 00077	44.9	111.5	272.2	29.2	98.5491	16.5981	1.72643	12.1	1.4	8.4	1.5	5.2	0.6	4.5	0.6	47.5	2.7	15.3	582.9	25.7	1225.9		
SMDH 00077	30.0	119.8	296.3	30.6	104.346	16.8286	1.61133	11.8	1.2	6.0	1.0	3.4	0.3	2.8	0.3	49.4	2.2	13.2	494.5	14.3	965.4	3.3	1.5
SMDH 00077	20.3	118.6	290.5	29.7	97.3897	16.3675	1.61133	10.5	1.1	4.5	0.7	2.1	0.3	1.3	0.3	48.3	1.7	9.7	361.9	12.9	758.2		
SMDH 00077	29.0	80.7	198.4	20.3	68.4047	12.6791	1.49624	8.2	0.9	5.0	1.0	3.7	0.3	3.0	0.3	31.8	1.8	12.7	514.2	24.3	1072.2		
SMDH 00077	38.1	93.0	232.7	24.3	83.4769	14.9844	1.61133	10.7	1.3	7.1	1.3	4.5	0.6	3.6	0.3	39.3	2.5	7.8	294.3	18.6	932.0		1.6
SMDH 00077	45.1	120.2	288.4	31.0	106.665	18.0965	1.84152	13.1	1.5	8.8	1.6	5.5	0.7	4.1	0.6	48.4	3.1	15.7	582.6	32.9	1189.2	1.0	
SMDH 00077	19.3	64.0	153.9	15.4	51.0137	8.64482	1.84152	5.6	0.6	3.8	0.7	2.3	0.3	1.9	0.3	25.8	1.4	11.4	453.6	15.7	1012.1		
SMDH 00077	13.3	53.2	97.5	10.8	35.9414	5.18689	2.30191	3.2	0.3	2.4	0.3	1.6	0.3	1.6	0.3	12.6	0.7	5.1	204.9	18.6	500.8		1.7
SMDH 00077	9.8	80.4	167.2	18.5	60.2889	10.3738	1.84152	5.4	0.6	2.4	0.3	1.0	0.3	0.7	0.3	29.0	1.2	11.3	444.0	14.3	957.7		
SMDH 00078	64.3	230.2	474.2	55.1	185.504	31.4671	1.38114	22.5	2.6	12.7	2.4	7.0	0.9	5.9	0.8	99.8	5.1	25.6	1140.8	12.9	599.2	0.9	
SMDH 00078	28.4	115.4	244.8	27.6	95.0709	16.2523	1.61133	10.3	1.2	5.7	1.0	3.1	0.3	2.5	0.3	48.7	2.0	9.8	422.7	15.7	867.3		
SMDH 00078	38.4	124.1	258.7	29.3	99.7085	16.5981	1.95662	11.1	1.2	7.2	1.1	4.3	0.3	3.1	0.3	50.4	2.2	11.3	493.4	17.2	857.7		1.5
SMDH 00078	35.1	103.5	219.7	24.9	85.7957	14.1775	1.38114	9.9	1.2	6.6	1.3	3.9	0.3	3.4	0.3	40.3	1.7	10.7	467.8	18.6	1025.0		
SMDH 00078	32.8	90.4	192.8	21.6	71.8829	12.3333	1.49624	8.6	1.2	5.8	1.1	3.9	0.3	2.8	0.6	37.9	1.5	10.7	435.0	17.2	930.4	0.5	
SMDH 00078	35.7	124.0	257.4	30.3	104.346	17.2896	1.84152	12.1	1.3	7.1	1.4	2.9	0.3	3.0	0.6	52.6	1.9	12.5	541.8	20.0	1124.3		1.6
SMDH 00078	46.0	167.0	351.6	40.7	141.447	25.3581	2.07171	16.4	2.0	10.0	1.7	4.1	0.3	3.3	0.6	74.5	4.6	10.7	459.4	28.6	1059.6		
SMDH 00078	34.3	96.4	206.1	23.3	79.9987	14.7538	1.61133	9.9	1.2	6.9	1.3	2.9	0.3	2.8	0.3	39.5	2.4	10.8	491.6	24.3	1077.1		
SMDH 00078	35.2	111.9	234.0	27.9	92.7521	17.2896	1.84152	11.7	1.4	7.6	1.3	3.8	0.3	3.1	0.3	47.1	2.6	11.1	471.0	28.6	975.5	0.3	1.5
SMDH 00079	28.4	89.2	185.3	22.2	74.2017	12.9096	0.92076	8.7	1.1	5.3	1.1	2.6	0.3	2.3	0.3	35.9	2.4	8.7	378.8	8.6	306.7		1.5
SMDH 00079	31.6	74.4	156.0	18.6	60.2889	10.9501	1.61133	7.3	0.9	5.6	1.3	3.2	0.3	2.8	0.3	29.1	1.7	8.8	342.3	12.9	662.9		
SMDH 00079	64.9	214.3	460.7	55.0	178.548	29.9687	1.72643	20.9	2.6	12.9	2.7	6.3	0.9	5.5	0.8	91.8	5.2	23.0	871.8	15.7	560.6	1.5	
SMDH 00079	51.1	103.5	219.4	25.3	83.4769	14.6386	1.49624	9.3	1.4	7.7	1.9	6.2	0.9	5.8	0.9	39.7	2.4	13.2	474.5	22.9	1194.3		1.4
SMDH 00079	39.8	94.5	198.0	22.9	76.5205	12.1027	1.38114	8.4	1.1	6.4	1.5	4.3	0.8	4.2	0.6	34.8	1.9	12.9	460.9	17.2	1054.2		
SMDH 00079	39.9	83.9	174.2	20.1	68.4047	12.218	1.72643	8.9	1.2	7.0	1.4	3.8	0.6	3.9	0.6	31.7	2.1	8.6	407.0	21.5	949.3	0.4	1.6
SMDH 00079	46.9	84.0	177.5	19.7	64.9265	11.8722	1.38114	8.5	1.3	7.0	1.4	5.0	0.7	4.0	0.7	31.8	2.5	9.2	397.3	22.9	983.9		
SMDH 00079	57.5	90.4	184.7	21.1	71.8829	12.5638	1.72643	9.2	1.4	8.4	1.8	6.8	0.9	5.9	0.9	32.9	2.2	10.0	434.0	31.5	1002.8		
SMDH 00079	48.8	101.7	216.7	24.5	83.4769	14.5233	1.72643	9.7	1.4	8.4	1.7	4.6	0.7	4.7	0.9	40.5	3.1	11.2	499.3	24.3	1179.4		1.6
SMDH 00080	32.3	85.2	182.2	20.3	70.7235	12.3333	1.49624	9.1	1.1	6.3	1.1	2.6	0.3	2.8	0.3	34.9	2.5	10.7	457.1	21.5	845.4	1.4	1.4
SMDH 00080																							
SMDH 00080	44.5	98.0	212.1	23.8	79.9987	12.7943	1.03586	8.4	1.1	6.3	1.6	4.3	0.9	6.3	0.9	41.7	1.4	7.9	320.0	12.9	690.0		
SMDH 00080	12.5	69.7	150.3	16.8	57.9701	9.6822	1.15095	5.8	0.6	3.0	0.3	2.2	0.3	1.3	0.3	29.1	1.3	8.6	336.9	15.7	891.1		
SMDH 00080	8.1	75.5	152.2	17.5	55.6513	7.60744	1.61133	5.6	0.3	2.3	0.3	0.8	0.3	0.3	0.3	28.4	1.1	9.7	355.7	17.2	957.7		1.5
SMDH 00080	8.6	37.0	77.5	8.8	26.6662	4.38004	1.61133	2.5	0.3	1.5	0.3	0.8	0.3	0.9	0.3	13.2	0.8	9.3	349.5	12.9	864.3	0.5	
SMDH 00080	4.7	16.4	33.5	3.1	10.4346	1.72896	2.417	1.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	3.7	0.3	7.1	259.5	12.9	604.5		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00081	19.4	96.2	197.6	22.9	77.6799	13.1401	1.26605	9.2	0.9	4.8	0.7	1.7	0.3	1.1	0.3	39.6	1.7	6.4	283.3	11.4	516.9		
SMDH 00081	11.7	94.8	196.1	23.1	77.6799	12.6791	1.61133	8.5	0.7	2.9	0.3	0.8	0.3	0.3	0.3	38.7	1.5	6.7	270.4	14.3	661.5		1.6
SMDH 00081	19.4	129.1	264.8	31.3	110.143	17.866	1.72643	11.7	1.2	5.3	0.8	1.5	0.3	0.9	0.3	53.3	1.9	7.4	303.0	15.7	876.9	0.7	
SMDH 00081	36.1	89.7	179.0	20.4	70.7235	11.757	1.61133	9.2	1.1	7.0	1.3	3.0	0.3	3.0	0.3	33.7	2.2	9.7	391.6	32.9	1051.9		
SMDH 00081	16.6	64.8	140.2	15.6	55.6513	9.45167	1.49624	6.1	0.7	3.8	0.6	1.3	0.3	1.3	0.3	27.0	1.7	7.5	296.9	18.6	707.8		1.6
SMDH 00081	21.3	67.3	146.0	16.6	56.8107	10.3738	1.26605	6.6	0.7	4.0	0.8	1.7	0.3	1.9	0.3	27.7	1.4	8.6	348.2	18.6	807.1		
SMDH 00081	37.4	103.7	217.9	24.9	88.1145	15.2149	1.61133	10.3	1.2	6.2	1.3	3.2	0.6	4.2	0.6	42.7	1.9	10.7	425.4	17.2	893.7	0.5	
SMDH 00081	28.9	87.7	190.1	21.3	77.6799	13.0249	1.38114	8.9	0.9	5.2	1.0	2.6	0.3	2.8	0.3	37.0	1.7	8.6	362.4	17.2	993.0		1.4
SMDH 00081	24.7	64.0	135.1	14.8	52.1731	8.76008	1.03586	6.4	0.7	4.0	0.9	2.3	0.3	2.3	0.3	24.9	1.5	7.9	324.1	28.6	858.0		
SMDH 00081	27.0	66.2	145.7	16.3	55.6513	10.2585	1.26605	8.1	1.1	5.5	1.0	2.3	0.3	2.0	0.3	27.0	2.0	7.5	319.3	20.0	756.1		
SMDH 00082	40.2	108.0	226.2	23.8	86.9551	17.2896	1.61133	10.3	1.3	7.3	1.4	3.3	0.3	3.5	0.3	47.1	3.3	12.1	472.1	21.5	972.2		
SMDH 00082	38.9	86.6	178.3	20.7	74.2017	13.6012	1.72643	9.4	1.3	7.0	1.3	3.4	0.3	3.3	0.3	32.0	2.9	7.2	298.4	18.6	936.0		1.4
SMDH 00082	42.6	109.2	185.0	24.1	85.7957	13.7164	2.87738	9.4	1.4	7.9	1.5	3.7	0.6	3.1	0.3	22.1	2.5	5.9	240.6	38.6	819.2	0.7	
SMDH 00082	54.4	81.3	168.9	18.9	64.9265	12.218	1.61133	9.9	1.5	9.7	1.9	4.9	0.8	4.7	0.7	29.6	3.4	6.5	273.9	24.3	945.3		
SMDH 00082	45.9	60.2	117.4	13.7	45.2167	9.10587	1.61133	7.1	1.1	7.4	1.5	4.1	0.7	4.4	0.3	18.7	2.1	16.5	765.6	31.5	742.3		1.6
SMDH 00082	68.3	60.2	126.0	14.9	53.3325	10.028	1.49624	8.9	1.5	10.8	2.2	5.9	1.0	6.4	0.9	22.5	3.2	6.0	248.8	25.7	890.7		
SMDH 00082	68.6	63.2	128.6	15.3	49.8543	9.91272	1.95662	8.9	1.5	11.0	2.4	6.0	1.0	5.8	0.6	21.1	2.9	6.8	293.4	22.9	752.6	0.5	
SMDH 00082	65.1	105.8	211.6	24.1	84.6363	15.3301	1.84152	13.1	1.6	11.6	2.3	5.4	0.8	4.4	0.7	41.0	2.8	9.3	385.8	30.0	960.5		1.6
SMDH 00082	40.3	59.3	120.9	14.1	49.8543	9.3364	1.72643	8.0	1.1	7.1	1.5	3.9	0.3	3.3	0.6	21.7	1.3	6.1	245.8	24.3	697.0		
SMDH 00082	43.1	65.5	133.4	16.0	54.4919	10.489	1.72643	8.7	1.2	7.9	1.5	4.0	0.6	3.2	0.3	22.0	1.4	9.7	367.4	24.3	920.1		
SMDH 00082	41.4	84.4	173.9	20.5	67.2453	11.2959	1.84152	9.7	1.4	8.4	1.6	3.7	0.6	3.3	0.6	30.2	1.9	10.7	446.6	24.3	935.3	0.9	1.6
SMDH 00082	37.5	65.2	134.5	15.7	53.3325	9.91272	1.72643	8.0	1.2	6.9	1.4	3.4	0.3	2.6	0.3	22.7	1.8	8.4	346.3	24.3	1001.2		
SMDH 00083	17.9	34.5	68.4	7.2	30.1444	4.72583	0.92076	3.3	0.6	2.6	0.6	1.8	0.3	1.8	0.3	12.3	1.1	7.2	311.0	15.7	716.9		
SMDH 00083	18.6	52.2	106.0	12.2	41.7385	7.26165	1.03586	5.4	0.7	3.6	0.7	1.6	0.3	1.8	0.3	19.2	2.0	7.3	313.8	17.2	710.6		1.4
SMDH 00083	21.8	76.6	150.9	16.2	64.9265	11.6417	1.38114	8.1	1.1	4.2	0.8	1.8	0.3	1.8	0.3	28.3	2.5	9.0	359.3	18.6	853.8	2.2	
SMDH 00083	11.9	73.5	141.7	15.1	60.2889	8.99061	1.38114	6.3	0.7	2.9	0.3	1.0	0.3	0.9	0.3	28.5	1.7	8.0	307.7	18.6	664.8		
SMDH 00083	11.9	62.6	121.6	13.2	54.4919	8.29903	1.26605	6.1	0.8	3.2	0.3	1.0	0.3	0.8	0.3	23.5	1.9	10.1	364.2	31.5	855.9		1.4
SMDH 00083	15.5	83.8	154.7	19.0	61.4483	10.489	1.84152	6.6	0.7	3.2	0.3	1.0	0.3	1.0	0.3	25.6	2.0	7.3	314.2	38.6	766.4		
SMDH 00083	12.5	64.5	136.5	16.5	55.6513	10.3738	1.49624	6.8	0.7	3.2	0.3	0.9	0.3	0.9	0.3	27.7	2.0	5.3	253.7	17.2	693.8	0.5	
SMDH 00083	9.3	50.5	103.2	11.9	45.2167	7.49218	1.38114	5.0	0.3	2.6	0.3	0.7	0.3	0.7	0.3	20.0	1.8	5.7	251.8	15.7	621.3		1.5
SMDH 00084	35.6	75.9	157.7	19.0	63.7671	11.0654	1.15095	7.8	1.1	6.0	1.4	3.1	0.6	3.5	0.3	31.2	2.4	11.7	583.4	15.7	665.0		1.4
SMDH 00084	13.1	36.3	78.8	8.9	30.1444	5.30216	0.69057	3.4	0.3	2.4	0.3	1.1	0.3	1.3	0.3	14.6	1.2	3.8	189.7	8.6	353.0		
SMDH 00084	20.3	48.3	100.6	11.8	40.5791	7.03112	0.80567	4.8	0.6	4.0	0.7	1.8	0.3	1.8	0.3	19.0	1.7	5.3	252.3	27.2	596.8	2.7	
SMDH 00084	25.7	72.6	149.9	18.5	64.9265	11.8722	1.38114	7.7	0.9	5.4	0.9	2.4	0.3	2.4	0.3	30.7	2.7	12.1	551.9	18.6	530.7		1.6
SMDH 00084	25.2	58.7	121.1	14.3	48.6949	8.41429	1.38114	6.6	0.8	4.5	0.9	2.3	0.3	2.3	0.3	23.3	2.0	8.0	399.8	22.9	1050.0		
SMDH 00084	56.9	185.8	380.8	45.6	159.997	29.0466	2.07171	18.2	2.3	11.5	2.1	4.5	0.7	4.2	0.7	80.3	5.5	21.0	1010.4	21.5	908.7		
SMDH 00084	35.6	188.9	409.9	48.9	168.113	28.5855	1.84152	18.3	1.9	8.8	1.4	3.0	0.3	2.3	0.3	89.4	4.2	6.6	325.7	12.9	528.4	1.4	1.4
SMDH 00084	8.6	39.0	79.4	9.6	33.6226	4.95636	1.26605	3.9	0.3	2.1	0.3	0.6	0.3	0.7	0.3	18.9	1.1	4.5	206.4	12.9	519.3		
SMDH 00084	9.4	66.3	136.3	15.3	52.1731	8.87535	1.95662	4.9	0.3	2.4	0.3	1.0	0.3	0.7	0.3	25.8	0.9	4.4	196.1	15.7	434.5		
SMDH 00084	6.5	44.8	91.4	10.7	35.9414	5.99374	1.38114	3.6	0.3	1.6	0.3	0.6	0.3	0.7	0.3	19.1	0.7	2.9	122.2	11.4	543.1		1.5
SMDH 00084	6.5	40.1	80.1	8.9	31.3038	5.07163	1.95662	2.9	0.3	1.3	0.3	0.3	0.3	0.3	0.3	14.4	0.6	5.9	250.8	11.4	389.4	1.2	
SMDH 00085	31.4	56.8	123.8	14.2	47.5355	8.52955	1.38114	5.6	0.8	5.3	1.0	2.9	0.3	3.3	0.6	21.1	1.9	9.1	386.7	18.6	819.9	0.2	
SMDH 00085	37.6	54.9	127.2	13.9	46.3761	8.76008	1.84152	6.1	0.9	6.3	1.3	3.4	0.6	3.9	0.6	20.8	2.2	7.4	303.5	25.7	1207.7		1.2
SMDH 00085	34.6	52.0	117.2	13.1	44.0573	8.52955	1.95662	5.6	0.9	5.7	1.1	3.2	0.3	3.4	0.6	19.8	1.9	5.8	227.6	27.2	1219.8		
SMDH 00085	32.7	90.1	209.0	23.3	76.5205	14.8691	1.26605	9.1	1.2	6.2	1.1	3.0	0.3	3.1	0.3	40.1	3.1	14.6	625.6	10.0	404.1		
SMDH 00085	30.4	82.5	185.6	21.1	69.5641	13.4859	1.49624	8.0	1.1	5.6	1.0	2.6	0.3	2.6	0.3	35.4	2.5	11.0	450.9	12.9	495.4	0.8	1.3
SMDH 00085	34.2	125.1	290.6	32.4	107.824	19.4797	1.38114	12.4	1.5	7.6	1.3	3.0	0.3	2.7	0.3	55.4	3.5	9.1	402.4	7.2	468.3		
SMDH 00085	90.4	396.1	911.9	104.8	344.342	65.4701	2.5321	39.1	4.7	21.2	3.2	7.2	0.9	5.6	0.8	185.1	11.0	15.2	632.6	11.4	468.3		
SMDH 00085	26.9	129.1	305.4	34.0	110.143	21.6697	1.49624	12.5	1.5	6.5	1.0	2.2	0.3	1.7	0.3	61.4	3.4	9.1	371.1	18.6	547.1		1.6
SMDH 00085	16.1	70.5	164.0	18.5	61.4483	12.218	1.61133	7.0	0.8	3.7	0.6	1.4	0.3	1.6	0.3	31.7	2.1	7.7	335.4	20.0	584.0	1.2	
SMDH 00085	22.9	103.0	224.2	25.7	88.1145	14.7538	1.72643	8.4	0.9	4.7	0.8	1.9	0.3	2.5	0.3	43.0	1.8	8.6	370.3	12.9	769.9		
SMDH 00085	13.6	53.2	116.8	13.8	45.2167	8.52955	1.26605	4.9	0.6	2.7	0.3	1.0	0.3	1.1	0.3	22.5	1.3	7.2	304.9	21.5	793.7		1.5
SMDH 00085	17.0	56.4	126.0	14.7	48.6949	9.10587	1.49624	5.4	0.7	3.6	0.6	1.4	0.3	1.4	0.3	24.6	1.9	9.7	399.4	21.5	822.5		
SMDH 00085	17.0	64.2	142.5	16.3	55.6513	10.3738	1.61133	6.4	0.8	3.8	0.6	1.3	0.3	1.1	0.3	27.7	1.8	9.1	391.5	24.3	993.5	0.5	
SMDH 00085	7.1	52.1	111.4	12.4	42.8979	6.80059	1.84152	3.7	0.3	1.5	0.3	0.3	0.3	0.3	0.3	21.1	0.8	6.0	267.5	14.3	704.3		1.5
SMDH 00086	22.6	65.6	140.4	16.1	54.4919	10.2585	0.69057	5.7	0.7	4.1	0.8	2.2	0.3	2.4	0.3	31.7	2.2	14.6	669.9	18.6	1724.4		1.0
SMDH 00086	27.2	83.7	184.5	20.2	69.5641	12.5638	0.92076	7.2	0.9	5.0	1.0	2.6	0.3	2.8	0.3	40.8	2.6	12.1	516.1	18.6	1512.5		
SMDH 00086	25.5	74.2	132.0	17.2	56.8107	9.22114	1.03586	5.2	0.7	4.2	0.9	2.5	0.3	2.5	0.3	26.6	1.2	7.7	337.7	17.2	909.6	1.8	
SMDH 00086																							
SMDH 00086	28.1	64.8	137.9	16.0	53.3325	7.95323	1.03586	5.6	0.7	4.0	0.9	3.5	0.3	3.2	0.3	24.9	1.5	6.7	295.0	20.0	823.6		
SMDH 00086	36.1	68.6	142.6	17.1	59.1295	10.489	1.26605	6.5	0.9	5.3	1.3	4.3	0.3	4.0	0.6	25.7	1.7	7.4	331.1	18.6	818.0		1.7
SMDH 00086	29.1	51.2	112.9	13.1	44.0573	7.49218	1.15095	5.3	0.7	4.5	1.0	3.3	0.3	3.1	0.3	19.5	1.2	7.4	305.0	15.7	661.8		
SMDH 00086	24.8	75.0	157.5	17.7	60.2889	10.489	1.15095	5.8	0.7	4.6	0.9	2.6	0.3	2.8	0.3	27.9	1.5	7.3	316.1	15.7	739.1		1.5
SMDH 00086	27.8	81.3	166.1	18.9	70.7235	11.2959	1.03586	6.3	0.7	4.2	0.9	3.3	0.3	3.2	0.3	30.1	1.9	7.8	356.9	20.0	1036.7		
SMDH 00086	30.7	75.8	160.2	18.7	63.7671	11.0654	1.38114	6.2	0.8	5.0	1.1	4.2	0.6	3.8	0.3	27.9	1.5	7.9	328.4	20.0	903.1	1.3	1.7
SMDH 00086	24.2	77.2	156.8	18.9	66.0859	10.489	1.26605	5.8	0.7	4.2	0.9	2.6	0.3	2.7	0.3	28.8	1.4	7.2	317.6	21.5	886.0		
SMDH 00086	19.6	72.7	144.0	17.1	57.9701	9.91272	1.26605	5.3	0.6	3.6	0.7	1.9	0.3	2.2	0.3	24.6	1.2	9.2	406.7	11.4	644.0		
SMDH 00086	15.5	55.1	108.8	12.5	42.8979	7.14638	1.26605	3.7	0.3	2.7	0.3	1.6	0.3	1.7	0.3	18.7	0.9	7.5	335.4	10.0	749.8	0.5	1.6
SMDH 00086	20.7	65.2	130.3	15.5	53.3325	9.10587	1.26605	5.2	0.6	3.4	0.7	2.1	0.3	2.3	0.3	24.3	1.2	7.9	348.5	15.7	827.6		
SMDH 00086	36.1	74.9	153.3	17.9	62.6077	11.6417	1.38114	7.0	0.9	5.8	1.3	3.5	0.7	3.9	0.7	27.6	1.9	11.3	476.8	25.7	910.8		
SMDH 00086	7.7	72.3	105.5	13.1	44.0573	6.4548	2.18681	3.1	0.3	1.6	0.3	0.7	0.3	0.8	0.3	7.5	0.3	3.9	187.1	47.2	453.2		1.6

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00086	7.7	72.3	105.5	13.1	44.0573	6.4548	2.18681	3.1	0.3	1.6	0.3	0.7	0.3	0.8	0.3	7.5	0.3	3.9	187.1	47.2	453.2		1.6
SMDH 00087	30.9	140.9	296.7	35.7	127.534	23.7444	0.80567	14.1	1.5	6.4	1.1	3.3	0.3	2.6	0.3	70.4	3.9	31.7	1378.4	8.6	582.1		
SMDH 00087	24.7	69.9	150.5	18.0	61.4483	12.9096	2.07171	9.1	1.1	5.6	0.8	2.5	0.3	1.8	0.3	34.4	1.9	8.4	338.2	17.2	614.1		
SMDH 00087	37.8	131.5	271.0	33.4	112.462	21.7849	1.72643	14.0	1.8	7.4	1.1	3.8	0.3	3.0	0.3	60.2	3.4	21.7	936.4	14.3	875.3		1.7
SMDH 00087	34.9	120.0	267.8	31.5	106.665	21.6697	1.72643	14.1	1.6	7.4	1.3	3.3	0.3	2.8	0.3	66.5	2.9	10.5	449.3	28.6	1064.9	1.4	
SMDH 00087	46.8	144.8	318.1	37.8	127.534	25.7039	1.61133	17.2	2.1	9.6	1.6	4.6	0.6	3.5	0.6	75.0	3.4	19.5	807.8	25.7	1382.4		
SMDH 00087	32.3	106.5	227.2	27.0	91.5927	18.6728	1.95662	12.8	1.5	6.8	1.1	3.2	0.3	2.6	0.3	47.2	2.2	10.5	430.8	18.6	916.6		1.8
SMDH 00087	57.3	102.7	226.6	27.1	90.4333	18.327	1.95662	12.5	1.8	9.7	1.9	6.7	0.9	6.9	0.9	50.0	2.2	10.7	452.7	27.2	1076.8		
SMDH 00087	48.7	116.4	259.9	30.6	106.665	20.6323	2.07171	14.6	2.0	9.5	1.7	5.1	0.7	4.7	0.7	60.9	2.8	11.6	484.0	22.9	1189.7	0.8	
SMDH 00087	51.8	117.0	258.0	29.9	100.868	20.7476	1.72643	14.4	1.8	9.4	1.7	5.8	0.8	4.9	0.8	61.0	3.1	17.6	725.1	25.7	1260.9		1.6
SMDH 00087	42.7	106.1	232.4	27.7	93.9115	18.5575	1.72643	12.5	1.6	8.6	1.5	5.0	0.6	4.3	0.6	55.4	2.4	12.4	498.0	18.6	898.9		
SMDH 00087	35.9	120.0	254.5	29.2	97.3897	18.5575	1.61133	13.3	1.4	7.3	1.3	4.3	0.3	3.5	0.6	56.2	2.7	11.9	511.8	14.3	1085.5		
SMDH 00087	50.2	137.6	292.3	35.2	120.578	24.0902	1.61133	15.1	1.8	9.4	1.7	6.0	0.8	4.9	0.8	71.1	2.9	15.7	588.0	22.9	1267.5		
SMDH 00087	68.2	140.9	304.4	36.1	125.215	23.975	1.72643	16.5	2.1	12.1	2.3	8.1	1.1	7.4	1.1	75.0	2.5	11.4	489.7	15.7	943.0		
SMDH 00087	29.5	100.8	209.8	24.6	83.4769	16.4828	1.72643	10.2	1.2	6.1	1.0	3.7	0.3	3.0	0.3	48.9	1.8	10.8	464.0	17.2	988.3		1.6
SMDH 00087	40.4	117.4	248.8	29.3	99.7085	20.056	1.38114	12.6	1.5	8.6	1.6	5.0	0.7	4.5	0.7	57.6	2.7	13.0	536.0	18.6	833.7	0.8	
SMDH 00087	38.9	127.9	270.5	31.0	104.346	20.6323	1.61133	12.1	1.4	7.2	1.4	4.7	0.7	4.0	0.7	64.8	2.0	9.9	431.6	14.3	745.9		
SMDH 00088	34.0	127.0	276.7	32.3	112.462	22.5918	0.57548	12.9	1.5	7.4	1.1	4.1	0.3	3.1	0.6	67.1	3.9	25.8	1145.6	7.2	332.9		1.7
SMDH 00088	27.5	74.9	183.1	18.5	64.9265	13.2554	1.26605	7.4	0.9	5.3	1.0	2.5	0.3	2.5	0.3	36.7	2.2	12.3	514.9	17.2	899.6	0.6	
SMDH 00088	48.7	91.9	168.6	22.1	77.6799	15.5607	2.30191	10.3	1.5	8.7	1.6	4.0	0.6	3.6	0.6	30.4	2.0	6.4	271.5	17.2	759.2		
SMDH 00088	26.4	57.6	122.6	14.1	48.6949	10.3738	1.38114	6.3	0.9	4.9	0.9	2.2	0.3	2.0	0.3	25.6	1.9	6.5	266.6	12.9	507.6		1.6
SMDH 00088	50.2	115.4	247.0	27.0	97.3897	19.3644	1.38114	12.4	1.6	9.7	1.5	5.2	0.3	3.5	0.3	52.4	2.8	11.1	461.3	24.3	1282.2		
SMDH 00088	38.4	125.9	272.2	31.1	111.303	22.4765	1.38114	13.3	1.6	8.2	1.4	3.2	0.3	2.5	0.3	65.5	3.3	17.0	718.5	25.7	1205.3		
SMDH 00088	29.8	116.2	247.9	29.3	102.027	19.9407	1.49624	11.7	1.4	7.0	1.1	2.3	0.3	1.7	0.3	58.0	2.6	9.8	429.6	22.9	1126.1		1.6
SMDH 00088	26.7	76.2	162.8	18.5	66.0859	13.0249	1.72643	8.0	1.1	5.6	0.9	2.1	0.3	1.9	0.3	36.7	1.9	6.8	282.3	15.7	744.0		
SMDH 00088	24.8	70.5	149.1	17.2	61.4483	11.9875	1.84152	7.3	0.9	5.0	0.8	1.9	0.3	1.7	0.3	33.7	1.5	5.3	229.6	15.7	524.2		
SMDH 00088	53.6	161.9	344.7	39.2	140.288	27.7787	1.84152	16.7	2.1	10.7	1.7	4.3	0.7	4.1	0.7	81.7	4.0	15.3	633.1	17.2	1007.2	0.3	1.4
SMDH 00088	49.4	123.6	261.4	29.5	105.506	20.4018	1.84152	12.4	1.6	9.0	1.7	4.3	0.7	4.2	0.7	59.2	2.4	10.6	446.7	20.0	938.6		
SMDH 00088	26.7	73.7	157.1	17.5	62.6077	11.9875	1.26605	7.3	0.9	5.0	0.9	2.3	0.3	1.9	0.3	34.8	1.8	11.4	480.2	14.3	730.2		
SMDH 00088	51.5	67.5	141.4	14.9	52.1731	9.79746	1.03586	7.1	1.2	8.0	1.6	4.5	0.8	4.8	0.8	31.8	2.1	16.7	712.7	32.9	789.8		1.5
SMDH 00088	54.7	31.1	63.5	7.0	24.3474	4.95636	1.38114	4.6	0.9	8.0	1.6	4.8	0.9	5.7	0.9	12.9	1.4	14.9	569.6	30.0	1417.7	0.8	
SMDH 00088	27.8	38.9	79.4	9.1	31.3038	5.64795	1.61133	4.5	0.7	5.2	0.9	3.7	0.3	3.4	0.3	15.8	1.2	16.4	742.3	30.0	1233.8		
SMDH 00088	14.1	72.5	148.2	16.3	56.8107	10.028	1.72643	5.8	0.6	3.0	0.3	1.1	0.3	1.1	0.3	31.0	1.4	9.9	414.2	17.2	1007.2		
SMDH 00088	29.4	140.2	308.4	36.0	121.737	24.5513	1.61133	14.2	1.6	7.3	1.0	2.3	0.3	1.7	0.3	73.7	3.7	12.9	557.1	21.5	964.0		1.5
SMDH 00089	17.1	59.4	143.8	15.9	54.4919	9.91272	0.28774	5.8	0.7	3.8	0.6	1.5	0.3	1.6	0.3	37.4	2.4	13.4	574.4	11.4	520.4		
SMDH 00089	17.4	56.7	121.1	14.5	49.8543	9.22114	0.57548	5.6	0.7	3.7	0.6	1.5	0.3	1.5	0.3	30.7	1.8	9.7	412.5	10.0	395.2		1.5
SMDH 00089	31.8	73.4	166.2	19.1	63.7671	12.6791	1.26605	7.7	1.1	6.0	1.1	2.7	0.3	2.7	0.3	39.0	2.5	7.8	309.6	18.6	601.7		
SMDH 00089	43.1	71.4	154.1	18.4	62.6077	13.0249	1.38114	8.0	1.2	7.7	1.5	3.7	0.6	3.5	0.3	38.2	2.4	6.4	258.7	18.6	652.2		
SMDH 00089	42.5	80.3	175.1	20.7	69.5641	14.7538	1.38114	8.9	1.3	7.8	1.5	3.4	0.3	3.3	0.3	45.1	3.5	8.7	352.0	25.7	597.3	0.6	1.5
SMDH 00089	30.3	52.9	112.5	13.2	45.2167	8.64482	1.38114	5.6	0.8	5.3	1.0	2.4	0.3	2.6	0.3	25.8	1.7	6.1	248.5	14.3	409.7		
SMDH 00089	35.0	61.6	133.1	15.9	56.8107	11.0654	1.38114	6.9	0.9	5.8	1.1	2.6	0.3	2.8	0.3	29.9	1.8	4.8	238.6	17.2	608.0		
SMDH 00089	31.1	51.2	109.7	13.0	46.3761	9.3364	1.26605	5.6	0.8	5.0	1.0	2.5	0.3	2.8	0.3	24.5	1.4	4.0	203.8	24.3	527.2		1.6
SMDH 00089	38.9	53.1	114.2	13.8	49.8543	9.6822	1.15095	6.4	0.9	6.3	1.3	3.1	0.6	3.5	0.6	26.8	1.5	6.1	290.7	15.7	414.6	0.5	
SMDH 00089	35.2	65.7	138.1	16.6	57.9701	11.1806	1.38114	6.9	1.1	6.1	1.0	2.5	0.3	2.8	0.3	31.1	1.8	4.2	208.7	17.2	450.6		
SMDH 00089	30.0	53.0	113.5	13.1	46.3761	9.10587	1.38114	5.7	0.8	5.0	1.0	2.3	0.3	2.5	0.3	25.9	1.3	3.4	172.8	15.7	531.4		1.6
SMDH 00089	45.8	63.1	138.1	16.3	57.9701	11.1806	1.38114	7.1	1.1	7.0	1.4	3.7	0.6	4.0	0.6	30.9	1.8	5.5	263.4	14.3	461.3		
SMDH 00089	39.8	63.7	139.8	16.7	57.9701	11.4112	1.38114	7.2	1.1	6.8	1.3	3.1	0.3	3.4	0.3	32.1	1.8	5.8	270.4	12.9	384.7	0.4	
SMDH 00089	43.6	46.2	101.0	12.5	46.3761	9.56693	1.84152	7.0	1.2	7.4	1.5	3.7	0.7	4.0	0.7	20.6	1.9	5.0	241.1	20.0	1690.0		1.6
SMDH 00089	28.8	52.1	111.9	13.1	45.2167	9.79746	1.72643	6.3	0.9	5.8	1.0	3.2	0.3	2.6	0.3	22.4	1.4	5.1	225.7	21.5	960.3	1.3	
SMDH 00089	43.9	52.4	113.7	13.8	48.6949	11.0654	1.61133	8.6	1.2	8.5	1.7	5.4	0.7	4.1	0.7	20.0	2.0	5.8	251.8	28.6	1912.6		1.7
SMDH 00089	41.7	64.6	138.3	16.3	55.6513	10.6043	1.49624	7.4	1.2	7.4	1.5	5.1	0.8	4.7	0.7	26.0	2.0	5.4	224.9	22.9	869.9		
SMDH 00089	40.4	70.3	151.3	17.8	61.4483	11.8722	1.49624	8.0	1.2	7.2	1.5	5.0	0.7	4.3	0.3	28.0	2.7	6.4	281.8	28.6	1120.3		
SMDH 00090	8.7	35.1	77.5	8.2	27.8256	5.18689	0.28774	3.0	0.3	2.2	0.3	1.0	0.3	0.9	0.3	15.7	0.8	4.1	175.5	17.2	294.3	2.0	1.5
SMDH 00090	36.6	117.6	255.1	28.9	99.7085	19.5949	1.72643	12.6	1.5	7.3	1.3	3.0	0.3	3.1	0.3	49.1	2.5	14.9	669.6	14.3	741.9		
SMDH 00090	30.5	52.9	97.7	13.2	46.3761	9.6822	1.38114	7.0	0.8	5.2	1.0	2.4	0.3	2.7	0.3	20.7	0.9	4.2	184.1	10.0	435.6		
SMDH 00090	16.9	66.9	137.6	16.9	56.8107	10.2585	1.26605	6.6	0.7	4.0	0.6	1.5	0.3	1.3	0.3	29.5	0.7	6.7	291.9	22.9	581.9		1.8
SMDH 00090	13.6	74.7	162.1	18.5	67.2453	11.0654	1.15095	7.1	0.6	3.1	0.3	0.9	0.3	0.8	0.3	36.1	0.8	8.3	377.4	18.6	626.3	1.6	
SMDH 00090	23.6	75.9	157.7	18.3	63.7671	10.1433	1.26605	7.0	0.7	4.1	0.8	2.1	0.3	2.4	0.3	32.5	0.8	7.5	330.8	14.3	510.4		
SMDH 00090	43.5	75.1	155.9	18.3	67.2453	12.1027	1.26605	7.7	1.1	6.6	1.4	3.8	0.7	4.4	0.7	34.3	1.2	8.5	401.5	18.6	722.7		
SMDH 00090	36.4	62.5	134.0	16.5	56.8107	11.4112	1.26605	7.4	0.9	5.8	1.3	3.3	0.3	3.3	0.3	30.1	1.2	7.7	335.0	17.2	644.2		
SMDH 00090	15.2	48.8	97.5	12.1	41.7385	7.7227	1.38114	4.8	0.6	3.0	0.3	1.3	0.3	1.0	0.3	19.3	0.6	3.4	146.8	8.6	296.9	0.7	1.7
SMDH 00090	15.7	74.3	150.6	18.0	61.4483	11.0654	1.49624	6.4	0.7	3.4	0.6	1.3	0.3	0.9	0.3	30.9	0.6	3.3	140.2	8.6	446.4		
SMDH 00090	11.5	42.9	83.3	10.1	33.6226	5.53268	1.26605	3.2	0.3	2.1	0.3	1.0	0.3	1.1	0.3	15.9	0.3	4.4	190.5	7.2	453.2		
SMDH 00090	22.1	63.4	132.2	15.9	52.1731	9.6822	1.38114	5.6	0.7	4.0	0.8	2.2	0.3	2.4	0.3	28.7	0.8	7.4	321.1	11.4	738.6		1.6
SMDH 00090	17.2	52.6	106.5	12.5	40.5791	7.37691	1.03586	4.4	0.3	2.9	0.6	1.7	0.3	1.8	0.3	21.0	0.6	6.4	283.0	8.6	460.2	0.5	
SMDH 00090	21.7	78.9	164.5	19.2	67.2453	12.218	1.38114	6.8	0.8	4.1	0.8	2.1	0.3	2.3	0.3	35.8	0.9	10.3	440.4	12.9	687.9		
SMDH 00090	15.1	84.5	175.4	20.4	74.2017	12.5638	1.72643	7.6	0.7	3.4	0.3	1.1	0.3	1.3	0.3	37.7	0.8	9.2	419.2	14.3	701.0		1.8
SMDH 00090	24.1	60.1	124.4	14.7	53.3325	10.1433	1.26605	6.5	0.7	4.1	0.8	2.1	0.3	2.2	0.3	26.9	0.8	6.1	278.7	17.2	564.8		
SMDH 00090	39.4	67.6	146.9	17.4	60.2889	12.3333	1.26605	9.1	1.2	6.6	1.4	3.1	0.3	3.4	0.3	34.1	1.8	7.8	335.9	20.0	690.7	0.9	
SMDH 00090	43.7	85.7	182.3	21.6	74.2017	16.137	1.49624	11.6	1.4	8.1	1.5	3.4	0.6	3.3	0.3	43.5	2.0	11.3	508.2	25.7	925.7		1.7
SMDH 00091	11.3	44.9	101.1	11.2	37.1009	6.22427	0.69057	3.6	0.3	2.2	0.3	1.1	0.3	1.3	0.3	25.0	1.2	9.7	434.7	12.9	476.3		0.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00091	26.7	62.9	159.7	13.7	49.8543	8.87535	1.38114	5.7	0.7	4.4	0.8	2.2	0.3	2.5	0.3	23.1	1.1	12.6	555.6	12.9	745.4		
SMDH 00091	42.2	111.9	250.1	25.5	92.7521	16.3675	1.49624	10.1	1.3	7.0	1.4	3.9	0.7	4.7	0.8	46.1	1.7	15.2	676.8	14.3	987.9		
SMDH 00091	11.5	108.0	235.8	24.5	89.2739	14.5233	1.84152	8.5	0.8	3.0	0.3	0.8	0.3	0.7	0.3	48.0	1.1	7.3	308.7	11.4	747.7		1.6
SMDH 00091	8.7	79.3	173.9	18.6	68.4047	11.2959	1.49624	6.4	0.6	2.2	0.3	0.7	0.3	0.6	0.3	35.1	0.9	7.3	326.6	10.0	625.3		
SMDH 00091	28.4	103.3	226.4	23.8	88.1145	16.0217	1.49624	9.1	0.9	5.2	1.0	2.7	0.3	3.5	0.3	45.0	1.4	12.0	535.1	8.6	799.8		
SMDH 00091	20.8	85.3	183.1	19.6	71.8829	11.757	1.49624	6.6	0.8	3.7	0.7	1.8	0.3	2.3	0.3	35.7	1.1	8.3	359.9	14.3	756.8	0.4	1.4
SMDH 00091	12.8	98.6	209.9	21.1	76.5205	12.3333	1.61133	6.4	0.7	2.7	0.3	1.0	0.3	1.0	0.3	38.7	0.7	5.5	238.8	10.0	650.3		
SMDH 00091	10.5	41.7	83.7	9.0	32.4632	4.95636	1.61133	3.3	0.3	1.8	0.3	0.8	0.3	0.9	0.3	12.8	0.3	1.9	89.7	5.7	403.4		
SMDH 00091	32.2	97.8	222.0	24.7	79.9987	14.8691	1.26605	8.2	1.1	5.7	1.0	3.1	0.6	3.8	0.6	47.9	1.5	11.1	499.5	18.6	835.8		1.6
SMDH 00091	34.2	111.0	242.6	27.6	102.027	17.6354	1.61133	10.4	1.3	6.8	1.1	3.1	0.6	3.4	0.3	52.4	1.7	11.7	505.1	21.5	1066.3	0.2	
SMDH 00091	28.1	50.4	111.5	12.6	42.8979	9.22114	1.72643	6.0	0.8	5.0	0.9	2.5	0.3	3.0	0.3	19.9	1.1	6.7	282.0	18.6	1350.6		
SMDH 00091	28.8	54.1	116.3	12.5	41.7385	7.95323	1.72643	5.2	0.7	4.6	0.9	2.6	0.3	3.0	0.3	23.4	1.1	10.6	457.4	25.7	1168.4		1.7
SMDH 00091	24.1	46.2	95.2	10.8	34.782	6.57006	1.26605	4.0	0.6	3.8	0.8	2.3	0.3	3.0	0.3	17.9	1.1	9.8	424.2	15.7	947.4		
SMDH 00091	30.9	89.4	200.9	22.7	74.2017	13.947	1.61133	7.8	1.1	5.5	1.0	3.0	0.3	3.2	0.3	42.5	1.4	11.7	483.6	14.3	1166.1	0.4	
SMDH 00091	22.6	82.1	183.1	19.8	64.9265	12.218	1.84152	6.9	0.8	4.4	0.7	2.1	0.3	2.3	0.3	37.5	1.1	8.3	362.0	17.2	890.4		1.6
SMDH 00091	36.9	108.2	245.2	27.3	86.9551	17.5202	1.72643	9.6	1.3	7.1	1.3	3.2	0.3	3.5	0.3	51.6	2.0	13.1	576.4	35.8	1223.1		
SMDH 00091	35.4	99.0	219.6	24.0	83.4769	14.5233	1.49624	9.5	1.2	6.5	1.1	3.1	0.3	3.2	0.3	44.2	1.8	12.5	493.3	25.7	1313.7		
SMDH 00092	27.8	107.1	241.6	27.5	91.5927	14.2928	0.80567	9.2	1.1	5.0	0.9	3.3	0.3	2.5	0.3	47.5	2.2	21.5	938.4	11.4	482.1		
SMDH 00092	31.8	93.3	192.3	23.9	81.1581	11.0654	2.18681	8.0	0.9	5.0	1.0	3.8	0.3	3.4	0.6	37.6	1.1	13.6	603.3	15.7	735.8		
SMDH 00092	40.6	122.6	257.6	30.6	105.506	16.4828	1.84152	11.2	1.3	7.1	1.4	5.1	0.7	4.3	0.7	51.4	1.3	11.6	477.6	24.3	753.3	2.7	1.4
SMDH 00092	37.0	112.5	250.6	28.2	98.5491	17.4049	1.38114	11.1	1.4	6.8	1.3	3.1	0.3	3.3	0.3	51.9	2.2	12.6	499.4	18.6	1109.1	0.1	1.4
SMDH 00092	22.7	101.6	210.8	24.7	84.6363	12.4485	1.61133	8.1	0.9	4.5	0.8	1.9	0.3	1.8	0.3	41.8	1.3	8.8	390.2	12.9	784.4		
SMDH 00092	22.9	108.2	230.7	25.7	86.9551	14.0622	1.84152	8.7	0.9	4.5	0.8	1.9	0.3	1.8	0.3	43.3	1.3	7.9	318.7	10.0	765.0		1.4
SMDH 00092	14.7	96.5	203.9	22.5	77.6799	11.757	1.49624	6.9	0.7	3.1	0.3	1.3	0.3	1.0	0.3	36.5	0.8	7.4	301.0	11.4	627.9	0.7	
SMDH 00092	16.1	91.3	193.3	21.6	73.0423	11.1806	1.72643	6.4	0.7	3.3	0.6	1.5	0.3	1.5	0.3	33.0	0.9	10.6	411.2	10.0	774.8		
SMDH 00092	6.8	55.7	114.5	12.9	42.8979	6.57006	1.72643	3.8	0.3	1.7	0.3	0.3	0.3	0.3	0.3	20.6	0.3	5.7	225.2	7.2	449.9		1.7
SMDH 00092	12.7	112.3	231.2	28.5	96.2303	12.9096	1.84152	9.2	0.8	3.0	0.3	1.3	0.3	0.6	0.3	43.2	1.2	12.3	545.0	15.7	748.4		
SMDH 00092	29.0	101.4	231.3	25.7	86.9551	13.1401	1.26605	8.9	1.1	4.9	0.9	3.4	0.3	3.1	0.3	48.4	1.9	13.8	621.8	18.6	650.3		
SMDH 00092	41.3	154.9	330.0	37.7	128.694	22.1307	2.07171	12.4	1.4	7.8	1.5	3.7	0.6	3.5	0.3	64.5	1.7	9.9	432.0	18.6	936.7		
SMDH 00092	39.0	141.6	317.4	36.3	122.897	19.3644	1.95662	12.9	1.4	6.8	1.4	4.5	0.3	3.8	0.6	61.9	1.8	13.3	587.9	22.9	776.0		1.6
SMDH 00092	46.1	141.5	300.0	36.7	124.056	19.3644	1.72643	13.3	1.5	8.1	1.4	5.0	0.7	4.5	0.7	68.4	2.0	11.6	495.3	17.2	640.3	0.8	
SMDH 00092	48.9	132.1	269.8	34.0	111.303	17.4049	2.07171	11.9	1.4	7.7	1.6	6.0	0.8	5.7	0.8	55.6	1.3	10.4	436.0	18.6	655.5		
SMDH 00092	47.0	133.0	277.3	31.5	107.824	17.2896	2.07171	10.2	1.3	7.9	1.7	4.5	0.8	5.0	0.8	59.1	1.2	9.0	389.4	14.3	763.4	0.4	
SMDH 00092	36.0	131.0	273.0	30.9	104.346	17.4049	1.72643	10.0	1.2	6.3	1.3	3.2	0.3	3.4	0.6	50.1	1.2	10.4	435.8	12.9	1049.8		1.5
SMDH 00092	44.4	140.2	283.6	34.2	115.94	17.4049	2.07171	11.3	1.4	7.7	1.5	5.6	0.8	5.2	0.8	52.5	1.4	11.9	533.2	14.3	688.2		1.7
SMDH 00092	30.9	105.3	219.4	25.2	85.7957	13.4859	1.26605	7.7	0.9	5.3	1.0	3.0	0.3	3.3	0.3	41.2	1.3	9.6	400.1	8.6	514.8		
SMDH 00092	42.2	133.6	270.4	30.6	106.665	16.2523	2.07171	9.5	1.2	6.6	1.5	4.1	0.7	4.3	0.7	44.7	1.2	9.7	416.2	12.9	901.4		
SMDH 00092	48.2	129.6	274.9	31.8	106.665	15.9065	1.72643	10.9	1.4	7.7	2.1	5.9	1.0	6.3	0.9	48.8	1.3	8.6	447.4	11.4	898.6		
SMDH 00093	27.2	103.1	225.8	22.9	79.9987	14.6386	1.49624	9.6	1.1	4.2	0.9	2.4	0.3	2.8	0.3	46.9	2.2	21.8	708.6	11.4	691.9		
SMDH 00093	11.0	48.2	104.5	10.7	35.9414	5.99374	1.49624	4.4	0.3	2.2	0.3	1.0	0.3	1.4	0.3	21.5	1.1	8.3	282.9	8.6	527.7		
SMDH 00093	33.7	96.0	203.7	20.9	75.3611	11.757	1.49624	8.7	1.2	5.5	1.1	2.9	0.3	3.5	0.6	41.7	2.4	12.4	451.7	18.6	844.2		1.6
SMDH 00093	32.1	103.9	228.3	22.9	79.9987	13.4859	1.38114	9.2	1.2	5.6	1.3	2.5	0.3	2.6	0.3	53.1	3.5	13.9	436.6	20.0	923.4	0.7	
SMDH 00093	42.7	106.4	241.8	23.7	83.4769	14.9844	1.49624	10.1	1.5	6.9	1.5	3.4	0.6	4.1	0.6	58.7	4.0	13.7	463.1	20.0	776.9		
SMDH 00093	37.1	110.4	224.1	21.9	81.1581	12.9096	1.49624	9.3	1.4	6.1	1.3	2.6	0.3	2.8	0.3	46.6	2.6	6.3	249.1	24.3	551.0		1.6
SMDH 00093	48.5	129.1	273.3	27.1	104.346	17.7507	1.49624	11.5	1.8	9.2	1.6	4.0	0.7	3.8	0.3	62.3	3.7	13.6	576.3	32.9	753.3		
SMDH 00093	34.2	109.6	244.9	23.3	90.4333	14.9844	1.49624	10.3	1.3	6.5	1.3	3.1	0.6	3.5	0.6	47.4	1.8	11.8	480.2	17.2	733.0	0.6	
SMDH 00093	34.2	109.6	244.9	23.3	90.4333	14.9844	1.49624	10.3	1.3	6.5	1.3	3.1	0.6	3.5	0.6	47.4	1.8	11.8	480.2	17.2	733.0	0.6	
SMDH 00094	73.3	281.9	566.3	68.0	231.88	38.6135	1.84152	24.6	3.2	14.4	2.5	8.0	1.0	6.6	0.9	109.4	5.7	36.8	1468.6	17.2	619.0	0.8	1.5
SMDH 00094	46.1	197.9	379.1	44.7	148.403	25.4734	2.30191	15.1	2.0	8.8	1.6	5.1	0.6	4.0	0.7	63.3	3.4	20.0	827.4	50.1	1085.3		
SMDH 00094	31.7	109.6	224.8	26.4	88.1145	14.9844	1.84152	10.0	1.3	5.8	1.0	3.3	0.3	2.7	0.3	41.5	2.4	10.0	393.9	17.2	938.8		
SMDH 00094	30.5	95.3	196.3	22.1	75.3611	13.6012	1.95662	8.7	1.2	6.4	1.0	3.4	0.3	2.8	0.3	35.7	2.8	9.9	383.9	17.2	723.7		1.6
SMDH 00094	39.7	130.3	283.8	31.8	112.462	19.8254	2.07171	12.5	1.5	7.6	1.4	4.7	0.3	3.9	0.3	53.5	3.3	18.0	763.2	20.0	991.8	0.6	
SMDH 00094	4.6	22.1	41.0	4.7	16.2316	2.30528	1.72643	1.5	0.3	0.8	0.3	0.3	0.3	0.3	0.3	6.6	0.3	6.7	291.0	17.2	767.6		
SMDH 00094	25.0	69.6	150.3	16.7	57.9701	9.6822	1.61133	6.6	0.9	4.6	0.8	2.9	0.3	2.4	0.3	26.0	1.8	9.2	403.2	18.6	840.0		1.6
SMDH 00094	37.0	125.1	275.1	31.1	106.665	18.327	1.72643	12.1	1.6	7.4	1.4	4.1	0.3	3.4	0.3	50.5	3.5	9.6	407.0	20.0	956.1		
SMDH 00094	27.6	98.7	213.8	24.1	86.9551	14.1775	1.84152	9.2	1.1	5.7	1.0	3.2	0.3	2.6	0.3	39.2	2.6	10.1	437.5	18.6	944.2	0.2	
SMDH 00094	27.6	98.7	213.8	24.1	86.9551	14.1775	1.84152	9.2	1.1	5.7	1.0	3.2	0.3	2.6	0.3	39.2	2.6	10.1	437.5	18.6	944.2	0.2	
SMDH 00095	18.5	51.6	109.7	11.8	42.8979	7.03112	0.92076	4.4	0.6	3.3	0.7	2.2	0.3	1.6	0.3	18.7	1.4	5.2	220.2	8.6	375.4		0.7
SMDH 00095	0.3	0.3	0.6	0.3	0.5797	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	17.4	2.9	634.0		
SMDH 00095	33.8	105.2	220.1	24.7	89.2739	14.1775	2.30191	9.1	1.3	5.7	1.3	4.0	0.3	2.8	0.3	39.1	1.7	12.7	536.1	18.6	1036.4		
SMDH 00095	27.9	111.2	238.0	26.2	95.0709	15.7912	2.18681	9.5	1.3	5.7	1.1	3.0	0.3	2.0	0.3	43.2	2.0	8.6	354.0	24.3	929.2	1.0	1.5
SMDH 00095	17.1	89.6	182.3	20.7	69.5641	11.6417	1.72643	7.1	0.8	3.8	0.7	1.3	0.3	0.7	0.3	32.4	1.5	9.2	393.6	21.5	748.4		
SMDH 00095	20.8	115.4	241.6	27.6	95.0709	14.6386	1.84152	9.9	1.1	4.6	0.8	1.3	0.3	0.9	0.3	44.9	2.0	11.9	513.8	20.0	1187.6		
SMDH 00095	17.9	104.4	219.0	24.4	84.6363	13.2554	1.61133	8.1	1.1	4.2	0.6	1.0	0.3	0.7	0.3	38.3	1.8	11.1	442.0	21.5	874.6		
SMDH 00095	13.7	88.8	179.3	20.8	70.7235	11.1806	1.49624	6.9	0.7	3.3	0.6	0.9	0.3	0.7	0.3	32.1	1.5	7.9	345.7	15.7	967.1	0.4	1.5
SMDH 00095	23.6	111.9	232.8	26.5	92.7521	14.1775	1.72643	9.5	1.2	4.9	0.8	1.6	0.3	1.1	0.3	43.3	2.0	13.9	601.9	17.2	986.7		
SMDH 00095	18.6	73.6	150.5	17.2	60.2889	9.6822	1.61133	6.1	0.7	3.8	0.7	1.5	0.3	1.3	0.3	26.3	1.3	9.7	437.8	15.7	773.7		1.6
SMDH 00095	18.6	73.6	150.5	17.2	60.2889	9.6822	1.61133	6.1	0.7	3.8	0.7	1.5	0.3	1.3	0.3	26.3	1.3	9.7	437.8	15.7	773.7		1.6
SMDH 00096	21.7	59.6	135.8	14.7	51.0137	8.76008	1.15095	6.0	0.7	3.9	0.8	1.7	0.3	1.6	0.3	24.1	1.7	7.9	336.3	12.9	969.9		
SMDH 00096	24.5	69.5	143.6	16.5	57.9701	9.56693	1.15095	6.9	0.8	4.4	0.9	2.1	0.3	2.0	0.3	26.3	1.9	7.4	320.7	15.7	689.6	2.1	
SMDH 00096	37.4	70.7	152.8	17.7	59.1295	10.1433	1.49624	7.0	0.9	6.1	1.3	3.2	0.6	3.4	0.6	27.8	2.0	9.4	408.6	17.2	916.6		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00096	34.3	90.4	190.2	21.7	74.2017	12.1027	1.61133	8.8	1.2	6.0	1.1	3.0	0.3	3.1	0.3	35.1	2.1	9.1	463.6	21.5	1375.6		
SMDH 00096	43.0	102.0	208.2	23.3	79.9987	14.0622	1.38114	10.2	1.3	7.1	1.5	3.4	0.7	4.1	0.6	38.6	2.1	10.0	453.2	30.0	926.9		
SMDH 00096	29.8	86.8	182.7	20.4	68.4047	10.9501	1.49624	8.5	1.1	5.4	1.0	2.4	0.3	2.4	0.3	35.3	1.9	8.8	405.2	21.5	901.9	0.8	1.4
SMDH 00096	28.1	106.0	219.2	24.4	82.3175	13.4859	1.38114	9.7	1.2	5.8	1.1	2.2	0.3	2.0	0.3	40.8	2.5	9.7	422.4	22.9	968.0		
SMDH 00096	33.1	90.5	187.3	21.5	75.3611	12.5638	1.49624	9.4	1.3	6.2	1.1	2.4	0.3	2.5	0.3	37.4	2.4	8.5	372.1	21.5	756.1		
SMDH 00096	31.7	110.5	233.0	26.7	90.4333	15.4454	1.61133	10.9	1.4	6.1	1.0	2.4	0.3	2.4	0.3	44.1	2.7	15.6	699.3	27.2	1052.3		1.5
SMDH 00096	24.6	69.2	145.0	16.3	55.6513	9.79746	1.84152	6.4	0.9	4.4	0.8	1.7	0.3	1.9	0.3	26.7	1.7	7.1	325.1	17.2	471.4	0.2	
SMDH 00096	24.6	69.2	145.0	16.3	55.6513	9.79746	1.84152	6.4	0.9	4.4	0.8	1.7	0.3	1.9	0.3	26.7	1.7	7.1	325.1	17.2	471.4	0.2	
SMDH 00097	23.7	62.6	131.9	15.3	51.0137	8.29903	0.69057	6.1	0.7	3.8	0.8	1.8	0.3	2.0	0.3	26.6	1.5	7.9	363.2	10.0	366.7		
SMDH 00097	27.4	85.8	173.9	19.0	71.8829	10.7196	1.38114	7.6	0.9	4.5	0.9	2.1	0.3	2.3	0.3	34.0	1.8	10.8	517.0	14.3	976.4		1.5
SMDH 00097	28.0	81.8	168.3	20.1	67.2453	12.7943	1.49624	8.2	0.9	5.5	0.9	3.4	0.3	2.5	0.3	31.6	1.4	11.0	444.8	17.2	851.0		
SMDH 00097	35.9	84.2	170.6	20.5	66.0859	11.4112	1.26605	7.9	1.1	5.6	1.1	4.6	0.6	4.0	0.3	32.1	2.4	18.0	700.0	22.9	883.9		1.5
SMDH 00097	43.6	89.8	176.5	20.9	71.8829	11.6417	0.92076	8.6	1.2	6.8	1.3	5.6	0.7	5.6	0.8	35.1	2.2	10.5	425.8	11.4	763.1		
SMDH 00097	29.1	67.8	136.4	16.3	53.3325	10.489	1.15095	6.6	0.9	4.7	0.9	4.0	0.3	3.8	0.6	25.4	1.8	10.3	404.2	12.9	584.7		
SMDH 00097	29.8	91.6	187.0	22.7	74.2017	12.4485	1.26605	7.9	0.8	5.4	1.0	3.8	0.3	3.3	0.3	35.0	1.3	12.9	494.5	11.4	1070.5	0.8	1.5
SMDH 00097	34.6	61.1	122.2	14.4	49.8543	8.41429	1.49624	5.5	0.8	4.7	1.0	4.6	0.6	3.9	0.6	23.8	0.9	9.6	349.7	10.0	609.4		
SMDH 00097	14.6	80.7	163.3	19.1	63.7671	10.3738	1.38114	6.4	0.7	2.9	0.3	1.6	0.3	1.3	0.3	31.0	1.1	8.6	329.6	12.9	570.9		
SMDH 00097	21.8	80.1	157.0	18.4	62.6077	10.1433	1.26605	6.5	0.7	4.1	0.7	2.7	0.3	2.4	0.3	29.5	1.3	10.1	383.9	15.7	793.3		1.5
SMDH 00097	16.0	82.2	171.0	19.0	67.2453	10.2585	1.38114	5.8	0.3	3.1	0.6	1.4	0.3	1.5	0.3	32.1	1.1	9.1	382.7	10.0	1313.5	0.6	
SMDH 00097	11.7	71.1	144.4	15.7	55.6513	7.95323	1.26605	5.5	0.3	2.3	0.3	1.0	0.3	1.0	0.3	26.9	1.7	22.2	955.6	20.0	1396.4		
SMDH 00097	11.0	90.5	188.0	21.0	75.3611	11.0654	1.38114	6.2	0.6	2.6	0.3	0.9	0.3	0.9	0.3	37.9	1.1	6.4	272.5	10.0	732.5		1.5
SMDH 00097	15.8	83.3	171.0	19.8	67.2453	10.9501	1.49624	6.5	0.6	3.2	0.3	1.4	0.3	1.1	0.3	30.9	1.2	7.8	389.4	15.7	920.3		
SMDH 00097	15.8	80.8	163.8	18.6	67.2453	10.3738	1.03586	6.8	0.3	3.3	0.3	1.4	0.3	1.3	0.3	30.7	1.3	5.9	316.4	15.7	1081.8	0.6	
SMDH 00097	23.1	72.1	149.9	17.8	62.6077	11.5264	1.26605	7.7	0.8	4.6	0.8	2.2	0.3	1.7	0.3	27.7	2.1	6.6	341.3	20.0	933.4		1.6
SMDH 00098	20.3	112.3	202.6	24.1	83.4769	13.6012	1.72643	8.9	0.9	4.8	0.7	1.8	0.3	1.6	0.3	30.4	2.1	7.5	401.7	40.1	634.0		
SMDH 00098	10.1	55.8	103.7	11.9	44.0573	6.4548	1.15095	4.9	0.3	2.3	0.3	0.9	0.3	0.6	0.3	18.4	1.2	4.5	238.1	22.9	669.0		
SMDH 00098	10.4	42.8	89.4	10.3	38.2603	6.91585	1.26605	4.7	0.3	2.3	0.3	1.3	0.3	0.9	0.3	16.7	1.2	7.1	356.9	18.6	767.8	1.2	1.6
SMDH 00098	18.6	46.1	95.9	11.3	40.5791	7.37691	1.61133	5.0	0.6	3.6	0.7	1.8	0.3	1.4	0.3	15.4	0.9	4.1	208.8	18.6	750.3		
SMDH 00098	45.2	61.0	130.9	15.3	54.4919	10.7196	2.07171	7.8	1.1	7.4	1.5	4.6	0.7	4.4	0.8	21.0	1.5	5.8	297.7	24.3	916.1		
SMDH 00098	20.8	39.1	109.1	9.1	23.188	5.64795	1.15095	4.2	0.6	3.4	0.8	1.9	0.3	2.5	0.6	14.4	1.2	6.1	245.4	14.3	683.5		1.6
SMDH 00098	23.3	51.5	107.9	12.2	42.8979	8.29903	1.72643	6.4	0.8	4.6	0.8	1.9	0.3	1.6	0.3	18.2	1.4	5.7	219.2	24.3	756.6	0.4	
SMDH 00098	39.8	37.5	78.6	9.4	33.6226	7.26165	1.61133	6.0	1.1	6.4	1.4	3.2	0.3	3.3	0.3	10.3	1.4	6.6	267.1	24.3	1060.7		
SMDH 00099	34.2	127.1	252.1	30.1	104.346	17.6354	1.72643	11.5	1.4	7.0	1.1	2.5	0.3	2.3	0.3	45.5	3.1	13.0	552.6	34.3	866.9		0.9
SMDH 00099	27.8	119.8	240.2	28.6	95.0709	16.5981	1.61133	11.3	1.3	6.8	1.1	2.2	0.3	1.7	0.3	45.5	2.8	13.0	509.5	28.6	871.5		
SMDH 00099	25.2	87.9	185.6	22.0	75.3611	14.2928	1.61133	9.2	1.2	6.0	0.9	1.9	0.3	1.7	0.3	36.9	2.6	11.1	459.5	30.0	993.7	1.1	
SMDH 00099	12.0	58.8	120.4	13.9	47.5355	8.52955	1.72643	5.5	0.6	2.9	0.3	1.0	0.3	0.6	0.3	22.7	1.3	6.6	300.8	22.9	747.0		1.5
SMDH 00099	21.5	61.0	129.4	14.9	52.1731	9.91272	2.07171	6.2	0.8	4.5	0.8	1.8	0.3	1.6	0.3	24.4	1.5	7.7	342.4	21.5	819.0		
SMDH 00100	29.9	93.2	195.3	21.9	78.8393	13.8317	1.26605	9.2	1.1	6.4	1.1	2.5	0.3	2.3	0.3	38.5	3.5	10.4	439.7	18.6	730.2		
SMDH 00100	35.1	69.2	146.8	16.3	57.9701	10.6043	1.15095	7.2	1.1	5.8	1.1	3.2	0.3	3.1	0.3	27.7	2.8	9.9	409.3	20.0	639.3	1.4	1.4
SMDH 00100	25.1	64.4	115.3	14.9	45.2167	8.29903	1.26605	5.4	0.8	3.9	0.8	1.7	0.3	2.0	0.3	24.3	2.4	8.5	374.8	20.0	755.7		
SMDH 00100	36.5	46.1	88.1	10.4	32.4632	6.4548	1.15095	4.7	0.7	4.7	1.3	3.3	0.7	3.9	0.7	16.8	2.0	10.7	437.8	27.2	750.1		
SMDH 00100	25.5	63.0	124.5	15.0	46.3761	9.56693	1.72643	6.2	0.7	4.4	0.8	1.9	0.3	2.0	0.3	23.8	2.5	7.8	317.8	14.3	445.7		1.4
SMDH 00100	18.5	68.3	134.7	16.2	51.0137	9.22114	1.49624	6.4	0.8	3.8	0.6	1.4	0.3	0.9	0.3	26.5	2.8	9.0	379.2	20.0	1160.9	0.5	
SMDH 00100	17.7	57.5	114.2	13.6	41.7385	8.41429	1.61133	5.7	0.7	3.1	0.6	1.3	0.3	1.5	0.3	21.9	1.9	5.8	262.1	17.2	929.9		
SMDH 00100	18.6	53.4	118.7	13.7	42.8979	8.99061	1.15095	5.2	0.6	3.2	0.3	1.5	0.3	1.4	0.3	22.5	2.5	6.4	256.0	18.6	809.2		1.4
SMDH 00100	13.9	63.4	118.1	14.1	45.2167	8.52955	1.49624	5.3	0.6	2.6	0.3	0.9	0.3	0.9	0.3	21.5	1.9	5.4	229.1	18.6	897.2		
SMDH 00100	15.1	55.3	107.5	13.0	38.2603	7.95323	1.61133	5.0	0.6	2.7	0.3	1.1	0.3	1.1	0.3	20.0	2.1	5.9	255.4	18.6	825.7	0.4	
SMDH 00100	9.9	52.4	100.5	12.0	34.782	6.80059	1.15095	4.7	0.3	1.9	0.3	0.6	0.3	0.3	0.3	18.9	1.3	4.5	203.4	17.2	715.5		1.5
SMDH 00100	11.2	85.2	164.0	17.3	70.7235	9.91272	1.61133	7.1	0.8	3.1	0.3	0.9	0.3	0.7	0.3	30.2	2.0	10.5	401.6	28.6	1305.5		
SMDH 00100	10.1	83.6	163.1	17.7	71.8829	9.56693	0.69057	6.1	0.6	2.6	0.3	0.9	0.3	0.8	0.3	31.0	2.5	26.7	1058.4	52.9	3269.6		
SMDH 00100	12.4	46.1	86.3	9.2	37.1009	5.30216	1.38114	4.0	0.3	2.4	0.3	1.3	0.3	1.5	0.3	15.3	1.8	11.4	474.1	27.2	1053.7	0.5	1.5
SMDH 00101	48.0	99.8	221.6	23.1	79.9987	14.0622	1.61133	9.6	1.3	7.8	1.6	4.2	0.7	4.4	0.7	38.7	3.2	15.9	683.9	18.6	1055.8		
SMDH 00101	41.1	66.8	145.1	15.4	53.3325	9.6822	1.61133	6.9	0.9	6.5	1.4	3.5	0.6	3.9	0.6	25.0	2.2	8.0	332.4	24.3	1221.9		
SMDH 00101	37.0	77.1	164.4	17.9	62.6077	10.6043	1.38114	7.1	1.1	6.1	1.1	3.0	0.3	3.1	0.3	29.9	2.1	9.1	375.1	21.5	987.2	36.3	1.6
SMDH 00101	11.4	95.5	211.8	22.3	77.6799	13.1401	1.26605	7.4	0.7	2.9	0.3	0.8	0.3	0.7	0.3	44.5	1.4	6.4	255.3	10.0	363.5		
SMDH 00101	12.5	133.8	296.1	30.9	106.665	17.7507	1.61133	9.4	0.9	3.3	0.3	0.9	0.3	0.6	0.3	62.2	1.7	9.4	384.8	11.4	609.4		
SMDH 00101	14.3	108.9	245.6	25.0	85.7957	13.947	1.61133	8.2	0.8	3.4	0.3	1.1	0.3	0.9	0.3	47.9	1.9	18.5	776.2	20.0	1141.8		1.5
SMDH 00101	4.1	27.7	57.5	6.2	22.0286	3.80372	1.61133	1.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	10.2	0.8	9.1	398.5	20.0	639.6		
SMDH 00101	6.8	49.3	103.1	11.3	40.5791	6.22427	1.84152	3.3	0.3	1.7	0.3	0.6	0.3	0.3	0.3	20.1	0.7	6.5	277.5	17.2	759.6		
SMDH 00102	26.5	47.7	101.7	11.3	38.2603	7.03112	0.92076	4.7	0.7	4.4	0.9	2.6	0.3	2.8	0.3	18.7	1.7	10.3	457.1	12.9	626.7		1.4
SMDH 00102	29.0	46.6	96.6	10.9	38.2603	6.91585	1.26605	4.8	0.7	4.9	1.0	2.9	0.3	3.1	0.3	17.5	1.7	7.3	317.6	17.2	1058.9		
SMDH 00102	26.1	39.7	85.6	9.2	32.4632	5.99374	1.26605	4.0	0.6	4.4	0.9	2.5	0.3	2.6	0.3	14.3	1.1	4.7	205.1	17.2	943.9	2.0	
SMDH 00102	39.2	68.2	145.7	16.2	60.2889	10.6043	2.18681	7.3	1.1	6.8	1.4	3.8	0.6	4.1	0.6	24.4	1.7	7.2	309.6	28.6	1440.1		
SMDH 00102	31.3	71.3	154.9	17.7	62.6077	10.9501	1.72643	7.0	0.9	6.0	1.1	3.1	0.3	3.1	0.3	27.6	1.9	9.2	393.8	17.2	839.1		
SMDH 00102	24.8	55.9	121.0	13.5	47.5355	8.52955	1.61133	5.5	0.7	4.5	0.8	2.4	0.3	2.5	0.3	20.8	1.5	7.2	305.4	22.9	943.9	2.2	1.6
SMDH 00102	31.1	67.1	150.2	16.6	56.8107	10.2585	1.95662	6.8	0.9	5.4	1.0	2.7	0.3	3.0	0.3	25.1	1.9	8.0	335.7	30.0	1377.0		
SMDH 00102	53.0	149.6	328.3	37.7	125.215	22.7071	2.07171	13.9	1.8	10.1	1.7	4.8	0.7	4.5	0.8	60.3	4.4	22.5	942.2	25.7	1164.2		
SMDH 00102	33.8	153.1	333.3	38.6	128.694	22.3613	1.49624	13.1	1.6	7.8	1.3	2.6	0.3	2.0	0.3	64.4	3.5	6.3	256.8	8.6	320.7		1.6
SMDH 00102	27.4	97.0	208.3	23.8	79.9987	14.1775	1.61133	8.2	1.1	5.4	0.9	2.4	0.3	2.4	0.3	38.6	2.2	6.0	242.2	12.9	604.5	0.9	
SMDH 00102	10.6	75.8	150.5	17.2	56.8107	9.10587	1.84152	5.2	0.3	2.5	0.3	0.9	0.3	0.7	0.3	24.9	1.2	4.8	195.9	15.7	499.4		
SMDH 00102	10.6	85.0	177.3	20.2	68.4047	11.0654	1.95662	6.3	0.7	2.6	0.3	0.8	0.3	0.3	0.3	33.4	1.3	3.3	130.4	14.3	373.3		1.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00102	11.7	85.2	176.9	20.1	69.5641	10.9501	1.84152	6.1	0.6	2.7	0.3	1.0	0.3	0.8	0.3	33.4	1.3	2.9	115.1	14.3	378.4		
SMDH 00103	21.4	65.4	126.3	16.6	56.8107	9.6822	0.69057	6.8	0.7	3.8	0.7	1.8	0.3	2.0	0.3	26.5	2.0	12.4	571.0	25.7	1374.2	1.3	
SMDH 00103	20.7	58.2	118.3	14.9	49.8543	8.52955	1.03586	7.9	0.8	3.8	0.6	1.8	0.3	1.9	0.3	23.1	2.1	8.3	357.4	27.2	627.7		
SMDH 00103	28.0	111.7	222.0	27.4	95.0709	14.5233	1.15095	10.5	1.1	4.6	0.8	2.5	0.3	2.7	0.3	42.5	2.7	15.8	708.4	21.5	956.8		1.3
SMDH 00103	28.1	50.8	97.8	12.7	42.8979	7.26165	1.15095	6.8	0.8	4.5	0.9	2.4	0.3	2.7	0.3	19.0	1.2	8.3	377.3	18.6	609.7		
SMDH 00103	18.9	48.0	92.1	11.5	40.5791	7.26165	1.03586	5.3	0.6	3.2	0.3	1.7	0.3	2.3	0.3	17.0	1.7	8.6	383.9	20.0	552.2	1.5	
SMDH 00103	26.2	60.3	131.3	13.9	51.0137	7.83797	1.26605	5.2	0.6	4.2	0.8	2.2	0.3	2.5	0.3	22.5	1.3	8.6	374.4	15.7	562.0		1.6
SMDH 00103	26.4	64.7	131.2	14.4	51.0137	8.18376	1.49624	6.0	0.7	4.2	0.9	2.2	0.3	2.5	0.3	22.6	1.5	8.8	383.5	21.5	622.3		
SMDH 00103	35.1	68.4	140.5	15.9	57.9701	8.87535	1.49624	7.2	0.8	5.8	1.1	2.9	0.6	3.4	0.6	24.5	1.5	11.2	467.0	20.0	617.1	1.2	1.5
SMDH 00103	41.2	82.9	169.7	19.5	71.8829	10.7196	1.38114	8.1	0.9	7.1	1.5	3.4	0.7	4.0	0.7	30.0	1.4	10.5	447.2	17.2	548.2		
SMDH 00103	50.3	76.2	143.8	16.6	56.8107	9.22114	1.72643	7.4	1.1	7.9	1.7	5.2	0.7	5.6	0.8	22.6	1.2	11.0	458.3	10.0	517.4		
SMDH 00103	37.9	111.4	284.0	26.8	89.2739	16.3675	1.61133	9.9	1.4	7.6	1.3	3.9	0.3	3.9	0.6	40.0	2.8	16.4	719.8	40.1	1625.8		1.5
SMDH 00103	26.2	66.7	136.3	15.6	53.3325	8.99061	1.38114	6.0	0.8	4.6	1.0	2.5	0.3	3.0	0.3	23.4	1.9	7.9	322.7	18.6	776.2	1.4	
SMDH 00103	37.0	25.7	57.7	7.3	28.985	7.7227	2.417	7.1	1.1	7.0	1.3	3.7	0.3	3.5	0.3	6.2	0.8	8.6	370.0	21.5	3307.6		
SMDH 00103	56.3	32.6	60.9	9.8	42.8979	10.8348	2.99248	10.5	1.6	10.0	2.1	5.6	0.7	5.1	0.8	4.8	0.8	7.8	324.3	27.2	5506.9		1.6
SMDH 00104	18.2	73.4	160.5	18.3	63.7671	10.028	0.28774	6.0	0.8	3.4	0.7	1.7	0.3	2.2	0.3	34.4	2.6	21.3	897.3	18.6	478.4		
SMDH 00104	34.0	84.4	169.5	19.7	71.8829	10.6043	1.38114	7.2	1.1	5.0	1.3	3.1	0.3	3.5	0.3	30.7	2.4	17.9	760.0	17.2	700.8		
SMDH 00104	25.6	32.8	57.7	6.8	26.6662	3.80372	1.15095	2.9	0.6	3.6	0.9	2.4	0.3	3.0	0.3	7.0	0.7	9.4	412.0	18.6	821.1	2.0	1.5
SMDH 00104	36.6	52.3	109.8	12.1	45.2167	5.76321	1.03586	5.2	1.1	5.7	1.4	3.3	0.6	3.8	0.6	18.5	0.9	11.1	476.0	24.3	741.9		
SMDH 00104	25.2	80.2	156.5	17.8	66.0859	8.76008	1.38114	5.7	0.8	4.2	1.0	2.6	0.3	2.7	0.3	27.7	2.0	8.7	368.4	22.9	621.6		
SMDH 00104	21.2	54.8	109.8	12.9	44.0573	7.95323	1.15095	5.8	0.7	3.9	0.8	2.1	0.3	2.2	0.3	21.3	1.3	9.3	418.9	22.9	520.4		1.6
SMDH 00104	20.7	48.4	95.2	11.3	38.2603	6.57006	1.26605	5.3	0.7	3.4	0.7	1.8	0.3	2.2	0.3	17.9	1.7	7.8	341.5	20.0	662.5	1.6	
SMDH 00104	15.5	45.1	91.8	11.2	38.2603	6.68533	1.15095	5.0	0.6	2.9	0.6	1.4	0.3	1.8	0.3	17.8	1.8	9.0	371.6	28.6	653.4		
SMDH 00104	21.2	53.2	107.9	12.9	45.2167	8.29903	1.26605	6.0	0.7	3.8	0.7	1.9	0.3	2.3	0.3	19.6	2.1	9.9	443.7	25.7	682.8		1.6
SMDH 00104	24.1	58.7	114.3	13.8	47.5355	7.7227	1.15095	5.6	0.7	4.2	0.8	2.1	0.3	2.4	0.3	21.6	1.7	9.6	412.3	20.0	664.3		
SMDH 00104	14.7	40.5	82.1	9.6	35.9414	6.22427	1.15095	4.0	0.3	2.6	0.3	1.4	0.3	1.3	0.3	14.2	1.2	8.5	360.9	20.0	601.5	1.4	
SMDH 00104	22.8	67.6	132.4	15.5	54.4919	8.0685	1.38114	5.3	0.7	3.7	0.8	2.1	0.3	2.3	0.3	23.5	1.9	8.3	366.6	20.0	662.5		1.6
SMDH 00104	20.7	60.2	119.4	14.2	48.6949	8.52955	1.26605	5.6	0.7	3.7	0.7	2.1	0.3	1.8	0.3	21.3	1.3	7.8	331.2	27.2	673.7		
SMDH 00104	28.8	61.9	120.9	15.0	49.8543	8.99061	1.38114	6.5	0.8	4.6	0.9	2.7	0.3	3.3	0.3	21.7	1.8	7.9	358.4	28.6	638.4		
SMDH 00104	27.6	74.2	142.5	17.8	60.2889	10.7196	1.38114	8.6	0.9	4.6	0.9	2.4	0.3	3.0	0.3	26.0	2.1	7.9	368.4	37.2	716.0	0.7	1.6
SMDH 00104	29.1	67.7	137.0	17.5	60.2889	9.79746	1.26605	8.7	0.9	4.8	0.8	2.4	0.3	2.7	0.3	26.2	2.2	9.2	416.9	27.2	568.3		
SMDH 00104	21.5	57.1	123.4	13.8	47.5355	7.7227	0.92076	6.5	0.7	3.7	0.7	1.9	0.3	2.2	0.3	22.8	1.7	12.4	538.4	27.2	1219.6		
SMDH 00104	18.5	62.9	127.9	16.1	54.4919	10.1433	1.26605	7.9	0.9	3.6	0.3	1.4	0.3	1.3	0.3	25.3	2.1	10.0	441.3	27.2	572.1		1.7
SMDH 00105	22.8	74.7	168.0	18.6	63.7671	11.9875	0.80567	7.1	0.9	4.7	0.8	2.1	0.3	2.0	0.3	37.9	2.4	16.0	673.9	20.0	648.4		
SMDH 00105	34.2	96.0	189.6	22.3	76.5205	13.1401	2.07171	8.1	1.1	6.0	1.1	2.9	0.3	3.1	0.3	33.6	1.5	10.4	420.6	12.9	651.5		
SMDH 00105	31.2	107.0	202.5	24.1	82.3175	12.6791	1.84152	7.3	0.9	5.5	1.0	2.7	0.3	3.0	0.3	35.7	1.2	8.0	323.4	18.6	703.8		1.5
SMDH 00105	22.4	104.5	209.6	24.5	83.4769	13.0249	1.61133	7.4	0.8	4.4	0.8	2.2	0.3	2.6	0.3	41.0	1.2	7.0	285.2	11.4	639.8		
SMDH 00105	16.3	81.3	167.6	19.5	64.9265	10.6043	1.15095	5.7	0.6	3.2	0.6	1.5	0.3	1.8	0.3	34.2	1.2	10.5	421.0	8.6	462.5		
SMDH 00105	14.1	65.9	133.9	15.7	52.1731	8.29903	1.49624	4.2	0.3	2.5	0.3	1.3	0.3	1.5	0.3	25.8	1.1	8.4	342.6	10.0	564.6	0.7	1.5
SMDH 00105	6.6	50.0	98.7	11.2	38.2603	5.76321	1.38114	3.2	0.3	1.4	0.3	0.6	0.3	0.7	0.3	21.1	0.8	6.7	286.0	8.6	452.0		
SMDH 00105	8.4	33.3	62.8	7.4	25.5068	3.91898	1.26605	2.4	0.3	1.4	0.3	0.7	0.3	0.7	0.3	11.6	0.7	5.5	234.9	7.2	398.5		
SMDH 00105	11.5	33.0	62.1	7.4	26.6662	4.61057	1.49624	2.6	0.3	1.6	0.3	0.8	0.3	0.9	0.3	11.0	0.9	7.1	309.7	10.0	604.5		1.6
SMDH 00105	9.0	49.9	97.6	11.3	39.4197	6.109	1.26605	3.6	0.3	1.7	0.3	0.8	0.3	0.7	0.3	18.7	0.7	5.4	236.0	11.4	438.7	0.9	
SMDH 00105	10.1	35.2	71.3	8.4	28.985	5.18689	1.26605	3.3	0.3	1.9	0.3	0.8	0.3	0.8	0.3	14.6	1.1	7.3	318.2	10.0	476.1		
SMDH 00105	19.6	81.8	170.3	19.8	69.5641	12.218	1.26605	7.1	0.8	4.0	0.7	1.7	0.3	1.8	0.3	37.9	1.8	9.1	383.8	12.9	829.2		1.5
SMDH 00105	30.9	75.9	164.4	19.7	69.5641	12.5638	0.92076	8.8	1.1	5.5	1.0	2.5	0.3	3.0	0.3	37.9	1.8	8.8	379.3	18.6	560.1		
SMDH 00105	30.0	54.8	114.1	13.7	49.8543	9.6822	1.26605	6.3	0.9	5.3	1.0	2.6	0.3	3.0	0.3	26.3	1.5	5.1	213.0	18.6	438.7		
SMDH 00105	31.6	65.4	137.0	16.5	56.8107	10.7196	1.38114	7.9	0.9	5.6	1.0	2.5	0.3	2.5	0.3	31.0	1.8	7.2	336.8	18.6	702.6		1.6
SMDH 00105	12.4	42.1	87.1	10.7	34.782	5.99374	1.03586	5.3	0.6	2.6	0.3	1.0	0.3	1.1	0.3	20.2	1.3	5.5	244.8	12.9	740.7		
SMDH 00105	46.0	98.4	209.3	25.6	90.4333	18.327	1.38114	13.2	1.5	8.7	1.6	3.9	0.7	4.1	0.6	51.4	2.8	9.9	420.8	21.5	1101.4	0.9	
SMDH 00105	36.0	97.9	206.1	24.9	85.7957	15.7912	1.49624	10.9	1.3	7.2	1.3	3.1	0.3	3.2	0.6	45.8	1.9	7.9	339.7	12.9	990.7		
SMDH 00105	39.5	104.2	218.7	25.6	93.9115	15.4454	1.15095	9.4	1.5	7.0	1.7	4.0	0.7	4.7	0.8	49.5	2.1	9.0	354.9	12.9	762.2		1.7
SMDH 00105	27.4	98.5	211.2	24.7	84.6363	15.6759	1.49624	9.7	1.2	5.3	0.9	2.4	0.3	2.3	0.3	45.4	1.7	10.4	437.3	18.6	692.8	0.4	
SMDH 00105	4.4	20.7	42.4	4.8	17.391	2.30528	1.03586	1.5	0.3	0.9	0.3	0.3	0.3	0.6	0.3	7.2	0.9	11.3	497.8	11.4	450.1		
SMDH 00105	5.4	30.8	62.6	7.3	26.6662	3.57319	1.15095	2.2	0.3	0.9	0.3	0.3	0.3	0.3	0.3	11.2	0.9	9.3	390.5	10.0	473.3	0.8	
SMDH 00105	5.3	50.1	100.6	11.3	40.5791	5.64795	1.38114	2.9	0.3	1.5	0.3	0.3	0.3	0.3	0.3	18.4	0.8	8.0	329.6	18.6	575.6		1.6
SMDH 00105	25.6	137.6	285.2	32.9	107.824	19.5949	1.72643	11.1	1.2	5.6	0.9	2.3	0.3	2.3	0.3	60.0	2.2	10.8	485.5	18.6	994.9		1.6
SMDH 00106	26.1	110.3	242.0	28.8	103.187	17.866	0.69057	12.0	1.4	5.7	1.0	2.5	0.3	2.5	0.3	58.5	4.4	26.9	1319.7	10.0	345.7	1.0	
SMDH 00106	32.3	117.3	243.9	29.1	102.027	16.5981	1.95662	12.6	1.5	6.9	1.3	3.3	0.3	3.1	0.3	49.7	2.7	12.6	628.1	14.3	647.3		1.4
SMDH 00106	28.4	108.1	246.7	27.7	96.2303	15.2149	1.72643	10.8	1.3	5.7	1.0	3.0	0.3	3.3	0.3	49.6	2.4	13.9	676.3	14.3	826.2		
SMDH 00106	7.9	38.4	79.3	9.1	31.3038	4.61057	1.84152	3.3	0.3	1.6	0.3	0.7	0.3	0.7	0.3	13.6	0.3	5.1	260.4	17.2	666.0		
SMDH 00106	5.6	30.2	61.8	6.8	23.188	3.45793	1.84152	2.4	0.3	1.3	0.3	0.6	0.3	0.6	0.3	10.3	0.3	7.0	336.3	10.0	713.2	0.6	1.8
SMDH 00106	3.8	28.8	59.4	6.8	22.0286	3.34266	1.84152	2.1	0.3	0.8	0.3	0.3	0.3	0.3	0.3	9.9	0.6	8.3	415.5	12.9	967.8		
SMDH 00106	3.7	39.9	82.4	9.0	30.1444	4.61057	1.84152	2.5	0.3	1.0	0.3	0.3	0.3	0.3	0.3	13.2	0.3	6.4	320.3	11.4	722.7		
SMDH 00106	17.9	131.3	274.4	30.6	107.824	16.0217	2.18681	9.4	1.1	4.0	0.7	1.7	0.3	2.0	0.3	50.3	1.4	11.0	546.0	14.3	1052.6		1.5
SMDH 00106	26.5	156.3	325.8	36.1	122.897	21.3239	2.07171	12.7	1.3	5.6	0.9	3.1	0.3	2.6	0.3	62.7	1.9	9.3	421.4	17.2	1189.4	0.7	
SMDH 00106	38.4	126.5	270.4	31.5	103.187	18.327	2.07171	12.3	1.4	7.7	1.5	5.1	0.7	4.9	0.8	57.3	2.4	12.1	523.6	24.3	1028.7		1.7
SMDH 00106	29.4	108.2	230.8	26.7	90.4333	16.5981	1.49624	10.2	1.2	6.0	1.1	3.5	0.3	3.4	0.3	50.9	2.0	10.1	445.0	15.7	822.9		
SMDH 00106	43.9	129.0	274.1	32.7	111.303	20.2865	1.72643	13.2	1.6	8.0	1.6	5.5	0.8	5.6	0.8	60.1	2.2	10.0	437.8	18.6	1073.6	0.8	
SMDH 00106	25.2	94.2	194.4	23.4	79.9987	14.2928	1.72643	9.6	1.1	5.2	0.8	2.2	0.3	2.3	0.3	39.4	1.9	13.2	570.4	15.7	734.4		1.6
SMDH 00106	26.0	78.7	163.7	19.8	69.5641	12.7943	1.72643	9.1	1.1	4.7	0.9	2.2	0.3	2.2	0.3	34.9	1.8	10.8	502.1	15.7	639.3		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00106	33.2	146.9	301.2	35.7	120.578	20.6323	1.95662	13.9	1.5	6.6	1.1	2.9	0.3	3.3	0.3	61.2	1.9	10.0	445.5	20.0	747.0		
SMDH 00106	36.2	112.5	238.4	28.8	98.5491	17.866	1.61133	12.1	1.3	7.0	1.3	3.1	0.3	3.2	0.3	49.2	2.1	11.3	487.1	20.0	753.3	0.8	1.7
SMDH 00107	26.2	95.0	254.7	24.0	84.6363	14.9844	0.92076	9.2	1.2	5.4	0.9	2.4	0.3	2.5	0.3	41.8	2.7	19.3	791.8	20.0	591.7		
SMDH 00107	30.3	73.6	190.8	19.5	69.5641	12.6791	0.80567	8.1	1.1	5.6	1.0	2.7	0.3	2.8	0.3	42.7	2.5	16.2	632.3	17.2	790.0		
SMDH 00107	14.6	58.5	121.0	14.8	52.1731	8.99061	1.49624	5.7	0.7	3.4	0.6	1.3	0.3	1.0	0.3	22.1	0.9	7.4	295.4	5.7	396.9		1.6
SMDH 00107	13.7	72.7	155.4	18.3	64.9265	11.1806	1.61133	7.0	0.8	3.6	0.3	1.0	0.3	0.7	0.3	30.8	1.3	9.6	383.4	11.4	536.1		
SMDH 00107	8.7	46.5	98.7	11.2	39.4197	6.68533	1.72643	4.0	0.3	2.1	0.3	0.7	0.3	0.7	0.3	17.6	0.8	6.4	256.9	15.7	633.5		
SMDH 00107	16.6	102.8	224.5	26.7	95.0709	16.7133	1.61133	10.7	1.1	4.4	0.7	1.3	0.3	0.9	0.3	45.2	2.2	8.4	325.0	17.2	894.4		1.6
SMDH 00107	44.2	95.6	202.1	24.5	84.6363	15.2149	1.61133	10.0	1.4	8.1	1.5	3.9	0.7	3.6	0.6	40.2	2.8	13.8	552.5	22.9	824.8		
SMDH 00107	43.6	113.1	235.0	27.6	93.9115	18.2117	1.49624	11.1	1.4	9.2	1.4	3.8	0.6	3.8	0.3	49.3	2.8	1.1	485.6	18.6	887.6	0.4	
SMDH 00107	38.0	130.3	262.2	31.7	105.506	20.056	1.72643	12.3	1.5	7.8	1.4	3.1	0.3	3.1	0.3	54.9	3.2	12.1	507.9	20.0	1116.8		1.5
SMDH 00107	36.5	81.4	170.6	19.8	66.0859	12.4485	1.61133	8.2	1.2	7.1	1.4	3.2	0.3	3.3	0.3	35.5	2.2	7.5	327.2	20.0	834.1		
SMDH 00107	34.9	94.6	200.1	23.2	78.8393	14.8691	1.49624	9.7	1.3	7.0	1.3	2.9	0.3	3.1	0.3	42.8	2.5	9.4	416.0	15.7	857.7		
SMDH 00107	32.7	133.9	284.8	33.7	113.621	21.5544	1.72643	13.3	1.6	8.0	1.3	2.6	0.3	2.2	0.3	62.3	2.8	9.3	383.6	18.6	676.0	0.3	1.5
SMDH 00107	13.7	67.0	139.7	16.6	54.4919	9.91272	1.61133	6.0	0.7	3.1	0.3	1.1	0.3	0.9	0.3	30.5	0.9	5.5	230.9	11.4	545.0		
SMDH 00107	30.9	66.4	139.1	16.1	52.1731	10.2585	1.72643	6.6	0.9	5.4	1.0	2.6	0.3	2.7	0.3	30.1	1.4	7.8	338.2	14.3	534.9		
SMDH 00107	38.4	73.6	156.5	18.4	61.4483	12.5638	1.61133	8.0	1.2	7.0	1.3	3.2	0.3	3.1	0.3	36.0	2.0	8.0	328.4	22.9	588.6		1.7
SMDH 00107	42.3	85.0	182.7	21.3	74.2017	14.6386	1.49624	10.0	1.3	7.4	1.4	3.2	0.6	3.5	0.6	43.3	2.1	9.1	378.4	17.2	689.3	0.3	
SMDH 00107	21.0	83.5	179.9	20.9	71.8829	13.4859	1.49624	8.1	0.9	4.6	0.8	1.8	0.3	1.8	0.3	41.6	1.8	8.7	362.1	12.9	654.3		
SMDH 00107	31.4	99.2	213.0	24.3	84.6363	16.3675	1.61133	10.1	1.2	6.5	1.1	2.5	0.3	2.4	0.3	49.4	2.6	9.6	387.7	12.9	584.4		1.7
SMDH 00108	30.9	133.9	308.7	35.2	119.418	22.3613	0.69057	13.2	1.5	7.0	1.1	2.5	0.3	2.3	0.3	67.2	4.0	19.9	847.5	5.7	401.1	0.5	
SMDH 00108	23.4	81.5	186.7	21.5	70.7235	13.8317	1.03586	7.9	0.9	5.0	0.9	2.6	0.3	2.2	0.3	42.7	2.1	15.9	650.0	15.7	767.3		
SMDH 00108	30.3	103.7	221.8	25.6	86.9551	16.4828	1.95662	10.0	1.2	6.2	1.1	2.7	0.3	2.8	0.3	43.2	1.7	9.1	374.3	17.2	931.8		1.5
SMDH 00108	25.3	92.6	204.4	23.3	79.9987	15.6759	1.49624	9.5	1.1	5.3	0.9	2.4	0.3	2.5	0.3	46.2	1.5	8.0	344.9	12.9	910.8		
SMDH 00108	21.8	74.0	157.4	18.0	61.4483	10.9501	1.38114	7.2	0.7	4.0	0.8	2.1	0.3	2.2	0.3	35.0	1.2	6.8	278.9	15.7	777.2	1.0	
SMDH 00108	20.9	75.5	164.3	18.6	63.7671	11.6417	1.15095	7.4	0.9	4.2	0.8	1.9	0.3	1.9	0.3	36.1	1.3	8.3	363.1	10.0	676.5		1.5
SMDH 00108	15.8	77.8	166.3	18.9	68.4047	11.6417	1.61133	7.1	0.7	3.6	0.6	1.4	0.3	1.4	0.3	37.5	1.1	6.8	299.3	10.0	691.2		
SMDH 00108	36.5	106.5	233.0	26.3	91.5927	16.7133	1.61133	10.5	1.3	6.6	1.3	3.7	0.6	4.3	0.6	52.6	1.8	11.2	452.5	14.3	984.8		
SMDH 00108	29.0	83.0	181.6	20.8	71.8829	14.1775	1.49624	9.1	1.1	5.6	1.0	2.5	0.3	2.6	0.3	38.4	1.4	9.2	397.0	20.0	1071.0	0.6	1.5
SMDH 00108	17.7	19.6	40.9	5.0	17.391	3.80372	1.15095	3.2	0.3	3.2	0.7	1.6	0.3	1.5	0.3	6.7	0.7	3.8	157.6	11.4	617.1		
SMDH 00108	7.2	23.7	48.3	5.6	19.7098	3.34266	1.61133	2.2	0.3	1.5	0.3	0.6	0.3	0.6	0.3	8.7	0.3	4.2	191.4	12.9	857.3		
SMDH 00108	9.5	43.2	87.8	11.0	38.2603	6.68533	1.61133	4.2	0.3	2.2	0.3	0.8	0.3	0.7	0.3	18.1	0.7	8.8	385.8	11.4	573.0		1.4
SMDH 00108	26.9	103.9	212.1	27.3	95.0709	17.4049	2.18681	11.6	1.3	6.3	1.0	2.2	0.3	1.7	0.3	45.3	1.2	8.6	367.1	20.0	911.7	0.6	
SMDH 00108	14.2	97.2	197.9	25.1	85.7957	14.408	2.417	8.7	0.8	3.7	0.3	1.0	0.3	0.6	0.3	42.9	0.8	3.7	151.6	5.7	289.2		
SMDH 00108	7.6	57.5	114.8	14.2	48.6949	7.7227	1.84152	4.8	0.3	1.9	0.3	0.7	0.3	0.3	0.3	23.4	0.6	4.1	190.2	8.6	148.6		
SMDH 00108	18.4	91.0	185.7	23.4	79.9987	13.0249	1.72643	8.1	0.8	3.8	0.7	1.8	0.3	1.8	0.3	41.9	0.8	8.4	357.3	8.6	601.7	0.4	
SMDH 00108	19.1	125.8	255.8	32.5	113.621	18.5575	2.07171	11.5	1.2	4.8	0.7	1.6	0.3	1.1	0.3	57.3	1.1	9.8	400.0	14.3	758.0		1.7
SMDH 00108	22.4	78.7	156.3	20.1	69.5641	12.218	1.84152	7.7	0.8	4.4	0.8	1.9	0.3	1.9	0.3	33.5	0.9	8.3	366.7	17.2	739.8		
SMDH 00108	13.6	68.2	145.6	16.3	57.9701	9.6822	1.49624	6.2	0.7	2.9	0.3	1.1	0.3	0.8	0.3	28.4	0.9	9.3	395.6	14.3	566.2		
SMDH 00108	22.8	85.5	184.3	21.7	77.6799	13.6012	1.84152	8.0	0.9	4.7	0.8	1.9	0.3	1.9	0.3	37.2	1.2	11.7	467.1	14.3	908.4		1.5
SMDH 00109	30.2	92.5	197.9	22.8	76.5205	12.7943	0.69057	7.6	1.1	5.4	1.0	2.6	0.3	2.8	0.3	39.0	2.5	25.8	1092.4	10.0	519.7		1.4
SMDH 00109	28.4	71.8	179.4	17.8	60.2889	10.2585	1.95662	6.4	0.8	5.2	1.0	2.6	0.3	2.8	0.3	19.0	0.8	8.1	358.6	8.6	976.9		
SMDH 00109	30.4	114.0	215.4	26.8	91.5927	13.4859	1.84152	8.2	0.9	5.3	1.0	2.7	0.3	3.0	0.3	34.6	0.9	12.7	526.8	11.4	931.6		
SMDH 00109	6.5	26.0	52.3	5.6	18.5504	2.88161	1.49624	1.8	0.3	1.0	0.3	0.3	0.3	0.7	0.3	8.4	0.3	7.9	347.3	11.4	868.0		1.6
SMDH 00109	8.2	28.6	55.0	6.2	20.8692	3.34266	1.38114	1.9	0.3	1.3	0.3	0.7	0.3	0.8	0.3	7.4	0.7	8.6	375.1	12.9	1032.9	0.3	
SMDH 00109	8.6	10.6	19.2	2.2	6.95641	1.38317	1.03586	1.3	0.3	1.3	0.3	0.7	0.3	0.8	0.3	2.0	0.9	9.8	438.1	18.6	1261.6		
SMDH 00109	8.7	18.6	35.6	4.0	13.9128	2.42055	1.26605	1.6	0.3	1.4	0.3	0.8	0.3	0.9	0.3	5.2	0.7	9.6	425.6	12.9	949.1		1.7
SMDH 00109	13.4	23.2	46.6	5.2	17.391	3.11213	1.49624	2.3	0.3	2.1	0.3	1.1	0.3	1.3	0.3	7.5	0.7	7.3	327.0	11.4	756.4		
SMDH 00109	17.2	25.5	52.1	5.8	20.8692	3.68846	1.49624	2.7	0.3	2.7	0.3	1.4	0.3	1.4	0.3	7.8	0.7	3.9	174.0	8.6	731.4	0.2	
SMDH 00109	29.3	73.2	152.6	17.5	59.1295	9.45167	1.15095	5.7	0.7	4.9	1.1	3.0	0.3	3.4	0.3	28.3	1.2	11.6	482.8	10.0	792.8		1.5
SMDH 00109	39.8	105.9	224.4	25.5	85.7957	13.2554	1.38114	8.1	1.1	6.5	1.4	3.9	0.7	4.3	0.7	40.8	1.4	8.8	377.5	15.7	1180.8		
SMDH 00109	22.8	54.6	116.9	13.2	45.2167	7.83797	1.38114	4.7	0.7	4.0	0.8	2.1	0.3	2.3	0.3	20.9	0.8	6.0	251.0	12.9	900.0		
SMDH 00109	7.9	26.2	54.3	6.2	22.0286	3.68846	1.38114	2.1	0.3	1.4	0.3	0.7	0.3	0.8	0.3	8.2	0.6	8.3	355.3	10.0	779.0	0.2	1.7
SMDH 00109	9.3	92.3	193.1	21.7	71.8829	10.028	1.61133	5.3	0.3	2.1	0.3	0.7	0.3	0.6	0.3	34.4	0.9	7.9	330.4	8.6	957.7		
SMDH 00109	25.1	77.2	165.4	18.3	61.4483	8.99061	1.61133	5.3	0.7	4.2	0.9	2.4	0.3	2.8	0.3	28.4	0.9	13.2	528.2	11.4	1252.0		
SMDH 00109	26.9	53.2	115.3	13.2	45.2167	8.0685	1.72643	5.5	0.8	4.9	0.9	2.3	0.3	2.4	0.3	21.3	0.7	4.0	166.4	8.6	1327.0		1.8
SMDH 00110	42.5	156.6	312.4	37.8	140.288	21.0934	1.26605	11.7	1.4	7.4	1.5	3.2	0.7	3.5	0.6	69.3	2.8	27.1	1178.4	12.9	741.6	7.8	1.5
SMDH 00110	31.2	132.4	287.5	33.5	114.781	17.866	1.38114	10.2	1.2	6.2	1.1	2.3	0.3	2.5	0.3	64.7	2.0	15.0	683.1	22.9	935.3		
SMDH 00110	38.9	98.7	205.5	25.0	86.9551	13.7164	1.72643	7.7	0.9	5.8	1.4	3.2	0.7	3.4	0.3	45.8	1.4	13.9	622.6	17.2	815.2		
SMDH 00110	16.1	57.6	107.3	13.0	45.2167	7.37691	1.84152	3.6	0.3	2.7	0.6	1.3	0.3	1.5	0.3	16.6	0.3	5.8	263.0	21.5	624.6		1.6
SMDH 00110	24.3	57.6	121.6	14.1	48.6949	8.0685	1.38114	4.8	0.7	4.5	0.8	1.7	0.3	1.8	0.3	19.9	0.8	3.9	180.3	20.0	891.1	12.2	
SMDH 00110	31.7	59.0	125.1	15.1	52.1731	8.87535	1.38114	5.6	0.8	5.5	1.1	2.2	0.3	2.2	0.3	21.2	0.9	4.5	194.1	18.6	753.8		
SMDH 00110	13.6	24.8	49.3	5.8	19.7098	3.2274	1.38114	2.1	0.3	2.3	0.3	1.1	0.3	1.4	0.3	6.5	0.3	6.7	306.5	14.3	739.1		1.4
SMDH 00110	7.7	13.5	25.7	2.9	10.4346	1.49844	1.72643	1.0	0.3	1.1	0.3	0.6	0.3	0.8	0.3	2.5	0.3	2.8	139.8	11.4	479.1		
SMDH 00110	10.4	16.8	32.7	4.0	13.9128	2.42055	1.26605	1.9	0.3	1.8	0.3	0.8	0.3	1.0	0.3	3.2	0.3	1.7	74.8	14.3	909.1	7.4	
SMDH 00110	22.6	72.7	157.9	18.0	59.1295	9.22114	1.49624	5.3	0.7	4.0	0.8	1.7	0.3	2.0	0.3	28.6	1.3	9.7	418.1	14.3	1103.7		1.6
SMDH 00110	25.5	138.0	286.0	32.8	110.143	15.9065	1.49624	8.2	0.9	4.8	0.9	2.1	0.3	1.9	0.3	52.8	1.4	12.3	540.5	21.5	1002.3		
SMDH 00110	54.2	158.2	332.8	39.4	136.809	20.9781	1.84152	12.4	1.5	9.0	1.8	4.7	0.9	5.0	0.8	67.9	2.0	11.9	528.3	25.7	1058.2		
SMDH 00110	41.4	105.5	224.1	25.8	91.5927	14.6386	1.49624	8.4	1.1	6.9	1.4	3.4	0.7	3.6	0.6	44.6	1.4	10.5	463.2	17.2	883.0	5.7	1.4
SMDH 00110	51.5	113.1	236.3	28.2	96.2303	14.7538	1.61133	9.4	1.3	8.1	1.7	4.2	0.8	4.8	0.8	48.2	1.5	12.7	546.9	17.2	622.5		
SMDH 00110	34.1	121.4	260.1	30.5	106.665	17.1744	2.07171	9.7	1.2	6.9	1.3	2.9	0.3	3.2	0.3	53.1	1.7	9.9	419.8	20.0	849.1		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00110	47.8	125.2	263.7	31.3	107.824	16.7133	1.84152	9.9	1.3	7.7	1.7	4.3	0.8	5.0	0.9	54.7	1.5	12.9	561.1	20.0	765.2		1.7
SMDH 00110	19.5	91.0	190.7	22.9	79.9987	12.218	1.61133	6.8	0.7	3.7	0.7	1.6	0.3	1.7	0.3	36.0	0.9	11.8	519.0	12.9	738.8	4.2	
SMDH 00111	44.7	165.6	378.5	41.9	136.809	24.2055	1.26605	14.2	1.5	8.2	1.5	5.1	0.6	4.2	0.7	79.2	3.3	18.6	785.1	14.3	819.7		
SMDH 00111	37.8	131.5	268.3	32.2	112.462	15.6759	1.61133	11.1	1.3	7.0	1.3	3.7	0.6	4.3	0.7	55.2	1.9	12.6	528.8	18.6	1284.0		
SMDH 00111	27.6	147.8	303.2	35.7	119.418	17.4049	1.84152	12.3	1.3	5.7	1.0	2.6	0.3	2.5	0.3	60.6	2.0	10.5	455.9	14.3	1069.1	2.1	1.3
SMDH 00111	45.0	157.3	329.4	39.3	137.969	20.4018	1.72643	14.6	1.5	8.8	1.6	4.2	0.8	4.1	0.8	70.0	2.7	13.7	578.1	18.6	1318.4		
SMDH 00111	46.3	141.9	285.2	33.6	114.781	19.7102	1.84152	13.6	1.6	9.4	1.6	4.9	0.6	3.9	0.3	56.1	2.8	11.0	415.9	30.0	981.5		
SMDH 00111	52.6	118.8	274.0	29.9	100.868	19.2491	1.61133	11.7	1.5	9.4	1.7	5.5	0.7	4.4	0.6	57.8	3.2	11.1	479.9	25.7	970.3		
SMDH 00111	55.1	90.6	188.7	21.9	75.3611	13.4859	1.61133	9.6	1.4	9.3	1.8	6.2	0.7	5.2	0.7	37.9	2.6	9.7	385.4	28.6	801.2		1.6
SMDH 00111	59.9	105.9	221.4	25.9	88.1145	15.5607	1.72643	11.2	1.6	10.0	2.1	6.3	0.7	5.3	0.7	46.1	3.3	8.5	350.5	25.7	967.3		
SMDH 00111	49.2	109.3	234.8	26.2	89.2739	16.9438	1.49624	11.1	1.5	9.2	1.6	5.0	0.6	4.2	0.6	48.0	3.3	9.6	389.4	25.7	927.1		
SMDH 00111	50.9	101.7	210.0	24.6	83.4769	14.5233	1.61133	10.3	1.4	8.6	1.7	5.6	0.7	4.9	0.6	42.6	2.6	8.6	390.7	22.9	847.0		1.5
SMDH 00111	45.2	93.5	193.0	22.6	76.5205	13.8317	1.72643	9.9	1.3	7.6	1.6	5.2	0.6	4.8	0.6	38.8	2.1	8.8	353.1	25.7	818.5		
SMDH 00111	51.1	125.8	283.2	31.0	104.346	19.2491	1.61133	12.0	1.6	9.2	1.8	5.4	0.7	4.7	0.7	58.8	3.1	9.7	422.1	34.3	1175.2		1.5
SMDH 00111	76.3	146.7	311.0	35.7	121.737	21.2086	1.84152	13.9	1.9	12.1	2.7	9.6	1.4	10.6	1.6	62.8	2.6	15.0	580.0	25.7	1313.5	0.7	
SMDH 00112	43.5	115.4	260.2	29.2	93.9115	13.3707	1.03586	12.0	1.9	8.7	1.6	3.7	0.7	3.6	0.3	52.4	3.5	22.2	888.6	17.2	764.8		1.4
SMDH 00112	44.2	114.5	245.6	27.7	90.4333	15.4454	2.07171	11.8	1.8	8.0	1.7	3.5	0.6	3.2	0.3	46.8	2.8	14.6	580.4	24.3	998.4		
SMDH 00112	37.9	95.3	203.6	22.5	73.0423	11.8722	1.95662	9.9	1.6	7.0	1.5	3.3	0.6	3.5	0.3	38.2	2.4	10.5	417.0	20.0	823.2		1.3
SMDH 00112	33.7	86.4	191.2	20.9	66.0859	11.4112	1.84152	8.4	1.4	6.5	1.4	3.1	0.3	2.7	0.3	35.8	2.1	9.9	389.8	20.0	887.6	1.2	
SMDH 00112	34.6	110.1	237.9	27.3	96.2303	14.408	1.49624	10.5	1.4	7.4	1.1	3.0	0.3	2.4	0.3	47.6	2.8	10.8	480.9	24.3	1240.6		
SMDH 00112	56.0	95.8	201.3	24.5	85.7957	14.5233	1.84152	10.9	1.5	9.7	1.8	5.0	0.8	4.9	0.7	41.0	3.5	11.6	491.6	22.9	910.1		1.6
SMDH 00112	42.2	100.2	209.3	25.0	83.4769	14.1775	2.07171	10.3	1.3	7.9	1.4	3.7	0.6	3.4	0.6	41.5	2.6	11.3	473.6	24.3	966.1		
SMDH 00112	35.2	107.1	222.4	25.7	90.4333	14.2928	1.72643	10.8	1.3	6.8	1.3	3.0	0.3	2.6	0.3	43.0	2.2	10.3	452.9	37.2	1106.5	0.5	
SMDH 00112	46.6	98.2	205.5	24.4	86.9551	13.4859	1.72643	10.3	1.4	9.0	1.5	4.2	0.6	4.0	0.7	41.2	2.6	7.9	351.5	27.2	932.0		1.6
SMDH 00112	36.4	94.6	224.3	23.8	84.6363	12.9096	1.84152	9.3	1.2	7.3	1.3	3.0	0.3	2.5	0.3	44.1	2.6	11.6	486.3	22.9	1062.8		
SMDH 00113	29.7	68.9	142.0	16.7	55.6513	9.56693	1.03586	6.4	0.9	5.2	1.0	2.5	0.3	2.6	0.3	28.5	1.8	14.0	638.3	24.3	925.2		
SMDH 00113	30.3	48.2	97.4	11.6	39.4197	6.68533	0.92076	4.6	0.7	4.9	1.0	3.0	0.3	3.2	0.3	18.2	1.4	13.3	580.4	18.6	841.9	1.1	
SMDH 00113	22.3	25.0	48.9	5.9	18.5504	3.45793	1.03586	2.7	0.3	3.1	0.7	1.8	0.3	2.2	0.3	8.4	0.7	8.4	376.7	22.9	1083.2		1.4
SMDH 00113	19.4	28.5	57.1	7.1	22.0286	4.03425	1.38114	3.0	0.3	3.0	0.6	1.7	0.3	2.3	0.3	11.9	0.8	2.7	114.5	10.0	270.0		
SMDH 00113	5.7	19.6	37.6	4.1	13.9128	2.65108	1.49624	1.5	0.3	1.0	0.3	0.3	0.3	0.3	0.3	6.2	0.3	4.6	224.8	8.6	416.7	0.6	1.6
SMDH 00113	9.8	12.4	22.4	2.6	8.11581	1.26791	1.26605	1.1	0.3	1.1	0.3	0.9	0.3	1.1	0.3	3.3	0.3	9.1	390.8	21.5	709.6		
SMDH 00113	26.5	87.5	184.9	21.1	70.7235	12.1027	1.38114	8.1	1.1	5.6	0.9	2.2	0.3	1.8	0.3	35.3	2.5	9.0	403.5	18.6	804.5		
SMDH 00113	25.6	81.1	171.8	20.5	68.4047	12.6791	1.38114	7.3	0.9	5.2	0.9	2.2	0.3	1.9	0.3	33.2	2.0	8.8	366.7	17.2	801.7		1.4
SMDH 00114	18.6	64.5	124.9	15.3	49.8543	8.29903	1.61133	6.5	0.8	4.0	0.7	1.5	0.3	1.6	0.3	25.8	1.5	8.8	359.0	22.9	708.9		0.6
SMDH 00114	24.3	86.7	150.8	16.7	62.6077	9.10587	2.07171	6.8	0.9	4.9	0.8	2.5	0.3	1.7	0.3	25.6	1.2	7.7	332.2	28.6	1197.6		
SMDH 00114	10.6	26.6	49.6	6.0	20.8692	3.57319	1.84152	2.2	0.3	2.2	0.3	1.0	0.3	0.8	0.3	6.6	0.3	4.4	180.5	15.7	780.4		
SMDH 00114	4.7	11.7	17.3	2.2	8.11581	1.26791	1.49624	0.9	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.3	0.3	6.7	311.8	17.2	1095.5	0.7	1.5
SMDH 00114	12.3	22.5	35.3	4.3	15.0722	2.65108	1.84152	2.3	0.3	2.4	0.3	1.3	0.3	1.1	0.3	4.4	0.6	8.6	397.1	18.6	996.3		
SMDH 00114	13.7	110.2	222.5	25.8	95.0709	17.9812	1.95662	11.1	1.1	3.6	0.3	1.1	0.3	0.7	0.3	61.2	2.1	17.5	785.1	45.8	1643.3		
SMDH 00114	17.7	25.2	49.3	5.4	20.8692	4.26478	1.03586	4.0	0.6	3.6	0.6	1.6	0.3	1.6	0.3	4.2	1.2	6.7	313.1	25.7	1515.5		1.5
SMDH 00114	18.1	31.6	62.7	7.7	30.1444	6.4548	1.38114	5.6	0.7	3.7	0.3	1.5	0.3	1.0	0.3	7.0	0.9	6.4	267.9	34.3	1521.1	1.1	
SMDH 00114	25.7	103.7	205.5	25.7	97.3897	17.9812	1.95662	13.1	1.5	5.8	0.8	1.9	0.3	1.1	0.3	46.0	1.8	10.3	444.4	25.7	1155.1		
SMDH 00114	11.5	117.7	236.4	27.0	102.027	18.7881	1.61133	11.9	1.1	3.8	0.3	0.8	0.3	0.3	0.3	57.0	1.4	8.3	358.2	31.5	1719.9		1.6
SMDH 00115	12.3	18.9	35.2	3.8	11.594	2.42055	0.57548	1.7	0.3	1.9	0.3	1.5	0.3	1.4	0.3	14.5	3.8	3.9	138.9	5.7	140.4		0.9
SMDH 00115	29.9	99.9	204.5	23.1	78.8393	13.3707	1.38114	8.8	1.1	5.6	1.0	3.3	0.3	3.4	0.3	37.8	2.7	10.6	430.9	20.0	1006.3		
SMDH 00115	14.4	75.0	155.9	17.8	60.2889	10.6043	1.03586	6.2	0.6	3.4	0.3	1.6	0.3	1.1	0.3	28.6	2.0	8.3	325.8	11.4	774.4	0.6	
SMDH 00115	18.9	55.4	113.7	13.1	42.8979	7.83797	1.26605	5.0	0.6	3.6	0.8	2.2	0.3	2.4	0.3	20.6	1.3	5.4	214.6	10.0	536.8		1.5
SMDH 00115	16.2	61.8	127.5	14.4	48.6949	7.60744	1.61133	4.8	0.6	3.0	0.6	1.7	0.3	1.7	0.3	23.1	1.2	6.3	262.9	17.2	766.2		
SMDH 00115	18.1	66.4	135.5	15.0	51.0137	8.87535	1.38114	5.2	0.6	3.7	0.7	2.1	0.3	1.6	0.3	24.5	0.9	7.4	294.3	12.9	936.2		
SMDH 00115	22.7	71.2	143.4	16.5	55.6513	8.99061	1.49624	6.1	0.7	4.7	0.8	2.6	0.3	2.3	0.3	25.9	1.3	9.8	376.2	14.3	974.1	0.7	1.4
SMDH 00115	23.4	80.4	157.7	19.6	63.7671	10.489	1.38114	6.6	0.8	4.1	0.8	2.2	0.3	2.4	0.3	34.4	1.7	6.8	259.9	15.7	922.9		
SMDH 00115	18.2	66.4	146.9	13.6	54.4919	9.22114	1.26605	5.2	0.6	3.2	0.6	2.5	0.3	2.0	0.3	27.9	1.2	8.0	335.3	14.3	867.3		
SMDH 00115	10.8	61.2	120.5	15.0	49.8543	7.60744	1.03586	5.2	0.6	2.4	0.3	0.8	0.3	0.8	0.3	25.4	1.2	8.7	308.3	15.7	1003.5		1.3
SMDH 00115	13.2	61.8	122.1	14.5	47.5355	7.7227	1.26605	4.8	0.3	2.5	0.3	1.1	0.3	1.5	0.3	24.9	1.3	8.4	340.0	17.2	833.9	0.4	
SMDH 00115	33.5	78.3	154.5	18.9	62.6077	10.9501	1.03586	7.6	0.9	5.0	1.1	3.2	0.3	3.8	0.6	32.5	1.8	9.7	384.6	20.0	1181.5		
SMDH 00115	24.0	65.3	128.0	15.7	51.0137	8.52955	1.26605	6.1	0.8	4.1	0.8	1.9	0.3	2.2	0.3	26.2	1.4	8.6	325.7	17.2	897.9		1.3
SMDH 00115	28.3	59.7	118.2	14.2	48.6949	8.64482	1.26605	5.5	0.8	4.5	0.9	2.3	0.3	2.7	0.3	24.0	1.2	7.5	312.7	15.7	933.9		
SMDH 00115	29.0	60.4	119.2	14.5	48.6949	8.29903	1.38114	6.1	0.7	4.8	0.9	2.4	0.3	2.6	0.3	24.1	1.4	8.5	328.4	20.0	972.9	0.1	
SMDH 00116	22.7	116.9	217.0	26.1	86.9551	16.0217	1.26605	11.6	1.2	5.6	0.9	1.9	0.3	1.3	0.3	53.0	3.4	15.3	608.8	15.7	971.3		
SMDH 00116	14.3	65.1	136.5	15.4	53.3325	9.56693	1.15095	6.9	0.7	3.0	0.3	1.3	0.3	0.8	0.3	26.3	1.5	7.7	341.6	15.7	723.7		
SMDH 00116	19.5	69.2	149.7	17.1	56.8107	10.6043	1.84152	6.1	0.7	3.9	0.6	1.8	0.3	1.4	0.3	27.4	1.5	5.7	266.4	11.4	657.8		1.6
SMDH 00116	17.1	83.2	178.6	20.4	71.8829	10.8348	1.49624	7.6	0.9	4.0	0.7	1.7	0.3	1.3	0.3	33.8	2.6	10.0	423.1	21.5	869.4	1.4	
SMDH 00116	14.6	59.4	128.0	14.9	51.0137	8.18376	1.15095	5.4	0.6	3.1	0.3	1.5	0.3	1.0	0.3	25.7	1.5	5.4	221.7	14.3	789.3		
SMDH 00116	27.2	127.8	272.7	31.5	107.824	17.7507	1.61133	11.1	1.2	5.8	1.0	2.7	0.3	1.9	0.3	53.8	2.6	11.8	512.8	25.7	1685.6		
SMDH 00116	22.8	102.2	220.4	25.7	86.9551	14.2928	0.92076	9.6	1.1	5.4	0.8	2.3	0.3	1.5	0.3	48.2	3.4	8.7	342.7	18.6	1155.3	1.0	
SMDH 00116	14.4	43.2	90.9	10.1	35.9414	5.87848	0.57548	4.5	0.3	2.9	0.3	1.6	0.3	1.0	0.3	18.2	1.2	2.9	127.5	8.6	499.4		1.5
SMDH 00116	12.4	67.1	142.7	16.3	56.8107	9.22114	1.15095	6.1	0.6	3.1	0.3	1.1	0.3	0.8	0.3	29.4	1.4	5.2	220.9	11.4	635.1		
SMDH 00116	21.2	127.4	265.4	29.9	104.346	18.2117	1.84152	11.3	1.1	4.9	0.8	1.6	0.3	1.0	0.3	54.9	2.2	8.5	355.1	14.3	869.4		
SMDH 00116	24.5	142.8	298.6	34.5	117.1	20.2865	1.72643	13.6	1.4	5.7	0.9	1.8	0.3	1.1	0.3	61.2	2.7	10.6	455.4	17.2	999.1	0.7	1.4
SMDH 00116	15.7	103.3	213.5	24.1	83.4769	14.0622	1.49624	9.6	0.9	3.9	0.6	1.1	0.3	0.7	0.3	43.3	2.4	9.0	362.3	20.0	1084.8		
SMDH 00116	13.4	76.9	162.2	17.9	55.6513	9.3364	1.38114	6.5	0.8	3.2	0.6	1.0	0.3	0.7	0.3	29.5	1.9	7.8	304.5	22.9	817.1		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00116	10.3	95.3	194.0	20.5	70.7235	10.8348	1.61133	7.0	0.7	2.5	0.3	0.8	0.3	0.3	0.3	35.2	1.7	11.0	469.0	18.6	1117.7		
SMDH 00116	16.3	69.0	146.0	15.3	54.4919	8.76008	1.38114	6.5	0.8	3.2	0.7	1.4	0.3	1.4	0.3	26.2	2.6	11.7	431.0	18.6	924.5	1.0	
SMDH 00116	19.3	44.3	91.4	10.7	33.6226	6.33953	1.26605	4.6	0.6	3.4	0.7	1.8	0.3	1.6	0.3	15.4	1.1	6.6	302.6	17.2	816.9		1.5
SMDH 00116	30.3	84.4	167.9	19.1	63.7671	11.5264	1.61133	8.0	0.9	5.5	1.0	3.2	0.3	2.8	0.3	28.6	2.2	7.7	287.6	25.7	917.3	0.5	
SMDH 00116	53.7	88.7	185.3	20.9	68.4047	13.7164	1.38114	9.2	1.4	8.9	1.8	5.9	0.8	5.2	0.7	34.0	2.7	9.0	426.9	20.0	895.8		
SMDH 00117	23.7	82.9	161.3	18.3	66.0859	10.9501	0.92076	7.8	1.1	4.0	0.8	2.1	0.3	1.7	0.3	35.3	3.7	7.9	316.5	24.3	462.3		
SMDH 00117	25.0	70.0	141.2	15.7	57.9701	10.1433	1.61133	7.6	0.9	4.8	0.8	2.3	0.3	1.8	0.3	30.3	3.3	6.6	270.7	20.0	582.3	1.6	1.4
SMDH 00117	19.1	58.9	118.0	12.7	48.6949	7.95323	0.92076	6.3	0.8	3.3	0.3	1.5	0.3	1.0	0.3	25.3	4.0	8.3	334.5	27.2	666.2		
SMDH 00117	19.3	89.0	171.9	19.2	71.8829	11.5264	1.61133	8.1	0.9	3.9	0.6	1.7	0.3	1.6	0.3	36.2	4.6	6.4	247.3	18.6	740.9		
SMDH 00117	27.0	88.0	177.0	19.5	67.2453	12.4485	1.84152	8.5	1.1	4.8	0.9	2.3	0.3	2.3	0.3	38.5	3.7	5.8	254.6	21.5	888.1		1.4
SMDH 00117	23.4	92.6	194.5	21.7	69.5641	10.489	1.61133	8.7	1.1	4.6	0.8	1.8	0.3	1.5	0.3	40.7	3.3	7.3	305.4	20.0	842.8	0.8	
SMDH 00117	24.5	80.7	150.0	18.5	61.4483	10.3738	1.26605	8.8	0.9	5.3	1.0	2.6	0.3	1.8	0.3	34.9	2.8	17.8	669.7	32.9	1620.4		
SMDH 00117	25.1	68.4	127.2	15.0	52.1731	10.1433	1.72643	8.7	0.9	5.4	0.9	2.5	0.3	1.5	0.3	29.5	2.1	11.7	475.6	20.0	924.1		1.5
SMDH 00117	24.5	65.4	121.1	14.8	52.1731	9.10587	1.49624	7.7	0.9	5.2	1.0	2.6	0.3	1.7	0.3	29.3	2.6	7.8	299.6	20.0	930.6		
SMDH 00117	0.3	0.3	0.3	0.3	0.5797	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	27.2	1.4	905.9	1.2	
SMDH 00117	25.0	58.2	108.3	13.1	45.2167	8.41429	1.26605	6.5	0.8	5.0	0.9	2.9	0.3	2.3	0.3	25.8	2.6	7.9	288.8	15.7	816.6		1.4
SMDH 00117	27.5	54.9	101.4	12.0	41.7385	8.18376	1.49624	7.0	0.9	5.2	1.0	3.0	0.3	2.2	0.3	21.6	2.4	6.5	245.2	18.6	902.6		
SMDH 00117	25.0	58.9	109.0	13.3	44.0573	7.95323	1.38114	6.8	0.8	4.9	0.9	2.6	0.3	1.9	0.3	27.1	2.6	6.7	251.8	14.3	685.6		
SMDH 00117	20.0	98.2	184.5	21.4	75.3611	13.7164	1.38114	10.1	1.1	5.5	0.8	1.8	0.3	1.3	0.3	47.0	4.0	8.0	319.2	20.0	863.8	0.4	1.4
SMDH 00118	39.5	80.9	175.4	19.6	64.9265	11.1806	1.38114	7.9	1.1	6.6	1.4	3.5	0.6	4.1	0.6	31.5	2.2	10.6	464.9	14.3	896.1		
SMDH 00118	16.5	43.3	98.4	10.6	35.9414	5.99374	0.80567	4.0	0.6	3.0	0.6	1.5	0.3	1.6	0.3	18.1	1.3	5.4	230.2	8.6	448.0	0.9	
SMDH 00118	20.7	79.9	167.7	19.0	63.7671	10.3738	1.38114	7.0	0.8	4.4	0.7	1.6	0.3	1.7	0.3	32.3	2.2	9.1	425.4	15.7	773.7		1.5
SMDH 00118	11.7	79.9	166.2	19.1	63.7671	10.3738	1.49624	6.5	0.7	2.9	0.3	0.9	0.3	0.7	0.3	33.0	1.7	5.1	213.6	18.6	729.3		
SMDH 00118	11.9	58.6	123.5	14.1	47.5355	8.0685	1.61133	4.9	0.6	2.6	0.3	1.0	0.3	0.9	0.3	23.7	1.1	5.2	207.3	12.9	627.9		
SMDH 00118	10.4	42.9	88.9	10.2	32.4632	5.87848	1.95662	3.8	0.3	2.2	0.3	0.9	0.3	0.8	0.3	16.5	0.8	3.5	150.5	14.3	517.2	0.4	1.6
SMDH 00118	6.1	31.4	62.8	7.1	23.188	4.03425	1.84152	2.3	0.3	1.3	0.3	0.3	0.3	0.3	0.3	11.0	0.6	4.8	206.3	20.0	687.7		
SMDH 00119	36.4	56.0	118.9	13.3	44.0573	8.41429	1.61133	5.7	0.8	6.0	1.3	3.3	0.6	3.6	0.3	20.2	1.7	7.4	334.7	18.6	1151.1		
SMDH 00119	30.9	54.2	115.8	13.0	44.0573	8.0685	1.49624	5.6	0.8	5.2	1.0	2.7	0.3	3.1	0.3	19.8	1.8	6.4	288.3	15.7	933.0		1.6
SMDH 00119	31.6	62.3	132.9	14.9	49.8543	9.3364	1.61133	6.1	0.8	5.3	1.1	2.9	0.3	3.1	0.3	22.1	1.9	7.7	323.2	17.2	938.8	2.0	
SMDH 00119	32.2	86.2	182.3	20.5	68.4047	12.4485	1.72643	7.9	0.9	5.8	1.0	2.7	0.3	3.0	0.3	32.4	2.0	11.3	484.7	17.2	923.8		
SMDH 00119	41.1	142.6	299.0	34.8	115.94	20.7476	1.72643	12.8	1.5	7.9	1.5	3.5	0.6	3.6	0.3	57.8	3.9	16.9	756.9	14.3	861.0		1.4
SMDH 00119	28.4	99.9	200.2	23.4	74.2017	14.1775	1.84152	8.7	1.1	5.5	1.0	2.4	0.3	2.4	0.3	33.2	2.6	7.8	330.4	37.2	971.7		
SMDH 00119	13.3	69.2	147.3	15.5	53.3325	9.22114	1.03586	5.6	0.6	2.7	0.3	1.0	0.3	1.1	0.3	25.6	2.0	8.8	379.6	18.6	775.5	1.4	
SMDH 00119	9.5	42.8	92.9	9.6	32.4632	5.53268	1.61133	3.6	0.3	2.1	0.3	0.8	0.3	0.8	0.3	15.6	1.2	5.2	222.6	15.7	529.3		1.5
SMDH 00120	48.5	86.9	182.7	21.4	70.7235	11.5264	1.95662	8.5	1.2	7.9	1.7	5.1	0.7	5.7	0.8	30.7	2.4	10.4	410.8	18.6	1142.5		
SMDH 00120	32.6	105.1	250.7	25.2	85.7957	14.8691	1.26605	8.9	1.2	6.5	1.3	3.3	0.3	3.5	0.6	39.2	2.6	11.7	487.8	38.6	1979.7	2.5	
SMDH 00120	32.4	95.2	200.5	23.5	78.8393	13.7164	1.26605	8.8	1.1	6.1	1.1	3.1	0.3	3.9	0.6	36.6	2.5	11.2	488.3	25.7	1042.3		1.5
SMDH 00120	41.7	75.7	159.3	18.3	62.6077	10.6043	1.72643	7.7	1.1	6.4	1.4	4.0	0.6	4.7	0.7	28.0	2.0	10.1	448.3	21.5	983.6		
SMDH 00120	35.7	72.9	158.5	17.4	61.4483	10.1433	1.49624	7.8	0.9	5.8	1.3	3.9	0.6	3.8	0.6	27.3	1.9	10.5	434.6	18.6	1134.8		
SMDH 00120	27.4	24.5	54.2	7.1	28.985	6.57006	2.30191	6.4	0.8	5.5	1.1	2.9	0.3	2.3	0.3	3.0	0.6	6.0	252.2	30.0	3288.0	2.4	1.6
SMDH 00120	28.9	27.3	61.1	7.3	28.985	6.22427	1.95662	6.3	0.9	5.6	1.0	2.7	0.3	2.5	0.3	4.3	0.7	5.3	215.9	31.5	3151.1		
SMDH 00120	20.0	59.8	127.2	13.7	44.0573	7.49218	1.61133	6.3	0.7	3.7	0.7	2.3	0.3	2.4	0.3	20.7	1.2	10.8	448.2	20.0	1521.8		
SMDH 00121	15.7	62.6	156.8	14.5	52.1731	9.10587	0.69057	6.3	0.6	3.1	0.6	1.5	0.3	1.6	0.3	30.2	1.8	12.5	561.8	11.4	816.2		0.9
SMDH 00121	23.8	107.3	212.1	21.7	84.6363	12.7943	1.26605	9.7	0.8	4.6	0.8	2.4	0.3	1.8	0.3	43.5	1.9	7.4	336.2	14.3	1045.3	2.1	
SMDH 00121	20.5	61.1	130.9	15.6	49.8543	9.22114	1.15095	6.5	0.7	3.7	0.7	2.2	0.3	2.0	0.3	24.6	1.2	8.6	339.3	15.7	887.6		
SMDH 00121	33.8	87.0	188.9	20.5	74.2017	12.4485	1.38114	10.1	1.1	5.8	1.4	3.4	0.6	3.6	0.6	35.9	1.7	12.3	471.7	21.5	976.9		1.6
SMDH 00121	12.7	70.8	140.6	15.4	54.4919	8.52955	1.38114	6.4	0.3	2.9	0.3	1.3	0.3	0.9	0.3	25.4	1.1	8.8	381.3	10.0	777.4		
SMDH 00121	6.3	18.5	38.4	4.2	15.0722	2.30528	0.92076	1.6	0.3	1.4	0.3	0.6	0.3	0.3	0.3	4.2	0.3	1.5	61.7	5.7	305.3	1.0	
SMDH 00121	16.3	49.0	116.8	11.9	44.0573	6.22427	1.15095	4.2	0.7	3.0	0.7	1.8	0.3	1.9	0.3	21.3	1.2	11.2	479.1	12.9	860.3		1.8
SMDH 00121	23.4	83.7	183.7	20.4	74.2017	11.757	1.49624	6.8	0.9	4.6	1.0	2.6	0.3	2.8	0.3	36.7	1.5	10.0	407.5	8.6	844.2		
SMDH 00121	24.2	78.9	172.2	19.5	71.8829	11.0654	1.26605	7.7	0.9	4.9	1.0	2.7	0.3	2.6	0.3	33.0	1.7	10.4	423.7	7.2	839.5		
SMDH 00121	30.3	85.0	184.4	21.0	77.6799	13.0249	1.15095	8.8	1.4	6.2	1.3	3.0	0.3	3.1	0.3	34.5	2.4	9.7	428.6	22.9	968.9	1.1	1.5
SMDH 00121	7.0	12.8	24.4	3.0	9.27521	1.84423	1.03586	1.3	0.3	1.1	0.3	0.7	0.3	1.0	0.3	3.4	0.3	7.8	323.2	12.9	827.8		
SMDH 00121	4.4	8.1	15.4	1.9	5.79701	1.03738	1.03586	0.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	1.7	0.3	6.3	257.7	10.0	788.6		
SMDH 00122	21.5	76.3	188.8	17.9	73.0423	11.4112	0.80567	8.0	1.2	4.6	0.9	2.3	0.3	2.3	0.3	41.9	2.6	13.0	537.6	12.9	733.0		1.2
SMDH 00122	25.7	88.7	195.2	22.7	81.1581	14.7538	1.03586	8.7	1.1	5.6	1.0	2.5	0.3	2.6	0.3	44.6	2.6	16.2	654.7	18.6	855.6	2.2	
SMDH 00122	26.5	64.5	139.4	17.9	60.2889	11.9875	1.15095	6.9	0.9	5.2	0.9	2.9	0.3	2.7	0.3	35.5	1.4	7.1	280.2	17.2	656.9		
SMDH 00122	24.5	71.5	158.2	19.3	62.6077	12.3333	1.03586	8.0	0.9	5.0	0.9	2.6	0.3	2.7	0.3	37.8	1.7	7.7	305.8	14.3	585.8		1.6
SMDH 00122	35.4	104.6	205.9	25.9	86.9551	16.7133	2.99248	10.9	1.4	6.9	1.1	3.7	0.3	2.8	0.6	38.4	1.8	9.8	374.2	15.7	690.0		
SMDH 00122	8.0	23.3	49.3	5.9	19.7098	3.80372	1.38114	2.3	0.3	1.3	0.3	0.8	0.3	1.0	0.3	11.0	0.3	4.6	184.8	10.0	559.7	1.8	
SMDH 00122	12.5	69.0	118.6	15.6	48.6949	7.60744	2.07171	5.0	0.3	2.5	0.3	1.3	0.3	1.1	0.3	20.0	0.7	3.7	145.9	31.5	602.4		1.7
SMDH 00122	30.0	86.8	192.3	23.7	77.6799	15.3301	1.15095	10.1	1.2	6.0	1.1	3.5	0.3	3.0	0.3	50.3	2.4	7.8	305.3	20.0	749.4		
SMDH 00122	38.4	73.7	162.5	19.9	67.2453	13.6012	1.26605	9.4	1.2	7.1	1.4	4.3	0.3	4.0	0.6	42.2	1.8	6.4	270.4	14.3	573.9		
SMDH 00122	36.4	65.9	146.6	18.1	60.2889	11.8722	1.03586	8.1	1.2	6.9	1.1	4.1	0.6	3.5	0.3	36.8	1.7	7.5	297.9	17.2	580.9	0.9	1.6
SMDH 00123	30.5	71.2	158.5	18.6	62.6077	12.1027	1.03586	8.7	1.1	5.8	1.0	3.0	0.3	2.6	0.3	38.8	1.9	7.7	300.4	20.0	628.4		
SMDH 00123	34.0	85.1	183.6	21.6	78.8393	15.3301	1.38114	10.2	1.2	6.6	1.3	3.0	0.3	3.0	0.3	39.5	2.0	12.1	499.3	15.7	689.6		
SMDH 00123	21.9	117.0	246.4	28.2	99.7085	17.866	1.95662	10.4	1.2	5.7	0.8	1.9	0.3	1.6	0.3	37.0	1.3	6.7	253.7	18.6	740.9	1.5	
SMDH 00123	28.8	85.9	188.3	20.4	76.5205	12.5638	1.38114	8.6	1.1	5.7	1.1	2.9	0.3	2.8	0.3	41.6	2.0	8.8	359.4	18.6	758.0		
SMDH 00123	34.2	77.1	167.7	20.2	68.4047	13.0249	1.49624	9.4	1.2	6.8	1.1	3.1	0.3	2.8	0.3	42.1	2.2	8.5	385.4	20.0	771.3		1.7
SMDH 00123	30.8	73.2	157.0	18.0	61.4483	11.5264	1.49624	8.0	1.3	6.3	1.1	3.1	0.3	2.4	0.3	32.7	2.1	10.7	373.9	21.5	757.1	0.2	
SMDH 00123	26.2	71.9	155.9	17.7	59.1295	10.489	1.38114	7.9	1.1	4.9	0.9	2.4	0.3	1.9	0.3	34.5	1.8	7.9	304.7	20.0	846.5		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00123	33.0	80.7	175.2	19.8	68.4047	12.5638	1.49624	8.7	1.2	5.8	1.1	2.9	0.3	2.5	0.3	39.0	1.9	9.9	377.8	24.3	885.1		1.7
SMDH 00123	40.6	75.2	167.2	19.5	64.9265	13.1401	1.15095	9.3	1.5	7.1	1.5	3.8	0.3	3.1	0.3	36.3	2.5	10.0	374.0	21.5	810.8		
SMDH 00123	33.2	80.6	176.7	20.4	70.7235	12.5638	1.26605	8.9	1.3	6.1	1.3	3.1	0.3	2.5	0.3	41.0	2.0	9.1	323.7	24.3	800.5		
SMDH 00123	36.8	90.4	199.3	22.5	79.9987	14.8691	1.61133	10.2	1.4	6.8	1.3	3.3	0.6	3.0	0.3	44.5	2.2	11.4	424.7	25.7	905.4	0.7	1.6
SMDH 00123	29.9	118.1	255.9	29.2	97.3897	16.4828	1.72643	12.0	1.6	6.9	1.0	2.7	0.3	1.7	0.3	55.6	2.9	11.6	461.4	32.9	1097.4		
SMDH 00123	24.0	120.2	260.6	30.0	104.346	18.4423	1.72643	12.0	1.6	6.0	0.9	1.9	0.3	0.9	0.3	58.5	2.5	10.8	434.8	24.3	1046.2		
SMDH 00124	16.3	56.3	128.6	13.8	48.6949	8.87535	0.69057	6.3	0.8	3.1	0.6	1.6	0.3	1.4	0.3	33.3	1.8	11.6	482.5	12.9	677.9		1.6
SMDH 00124	27.8	79.4	183.0	19.8	69.5641	14.1775	0.92076	9.4	1.1	5.2	1.0	2.4	0.3	2.8	0.3	46.0	2.2	17.2	755.1	15.7	950.0	2.6	
SMDH 00124	12.8	77.2	162.0	18.7	64.9265	11.6417	0.69057	7.0	0.6	3.2	0.3	1.1	0.3	1.0	0.3	42.8	1.2	10.4	477.8	18.6	1048.6		
SMDH 00124	19.5	103.9	221.5	25.2	95.0709	15.7912	0.92076	10.1	1.1	4.4	0.7	1.6	0.3	1.4	0.3	55.6	1.7	10.5	475.3	25.7	1139.5		1.5
SMDH 00124	21.9	75.0	147.1	17.7	63.7671	12.1027	2.07171	8.4	0.9	4.1	0.7	1.6	0.3	1.4	0.3	30.4	0.7	4.0	189.0	14.3	656.6		
SMDH 00124	21.2	74.7	159.3	18.6	68.4047	11.9875	1.61133	7.4	0.8	3.9	0.7	1.7	0.3	1.7	0.3	38.3	1.1	6.1	290.7	22.9	768.3	1.6	
SMDH 00124	26.2	71.8	159.8	19.2	66.0859	13.0249	1.38114	8.9	1.1	5.8	0.9	2.4	0.3	2.3	0.3	38.0	1.3	7.1	300.6	18.6	887.6		1.6
SMDH 00124	29.0	75.4	158.1	19.3	68.4047	13.6012	1.38114	8.0	1.1	5.5	1.1	2.6	0.3	2.6	0.3	37.8	1.5	7.1	312.8	18.6	755.2		
SMDH 00124	41.3	78.0	169.9	19.9	69.5641	14.6386	1.49624	10.0	1.3	7.1	1.4	3.5	0.6	3.4	0.3	41.8	1.9	8.5	364.3	21.5	848.6		
SMDH 00124	37.5	83.1	179.7	21.0	73.0423	14.2928	1.49624	10.1	1.2	6.8	1.4	3.3	0.6	3.1	0.3	41.8	1.7	9.8	450.2	30.0	815.0	1.9	1.4
SMDH 00124	48.9	89.8	179.9	23.1	76.5205	15.0996	1.38114	11.5	1.4	7.9	1.6	6.0	0.8	4.2	0.6	46.6	2.2	9.4	309.9	20.0	749.8		
SMDH 00125	24.8	89.8	192.4	21.7	73.0423	12.4485	0.80567	7.3	0.9	4.9	0.8	2.2	0.3	2.2	0.3	50.3	2.5	16.5	746.7	11.4	510.4		
SMDH 00125	33.6	101.2	218.5	24.3	78.8393	13.2554	1.49624	7.4	1.1	6.3	1.1	3.0	0.3	3.1	0.3	43.4	2.2	11.1	490.3	15.7	601.7		1.4
SMDH 00125	38.1	97.5	204.9	23.5	78.8393	13.2554	1.72643	7.9	1.1	6.6	1.3	3.4	0.3	3.5	0.3	40.0	1.9	10.5	458.9	17.2	601.7		
SMDH 00125	42.7	92.1	191.6	21.9	73.0423	12.4485	1.95662	7.8	1.1	7.2	1.5	3.8	0.6	3.8	0.6	37.2	1.7	7.2	340.1	12.9	575.6		
SMDH 00125	28.3	93.9	195.9	22.2	74.2017	12.6791	1.61133	7.4	0.9	5.4	0.9	2.5	0.3	2.4	0.3	39.4	1.7	8.7	409.0	37.2	682.3		1.5
SMDH 00125	35.5	86.6	182.7	20.4	75.3611	13.3707	1.84152	8.5	1.2	7.1	1.3	2.9	0.3	2.8	0.3	35.1	1.3	9.4	407.3	20.0	1129.6	0.6	
SMDH 00125	31.9	129.3	277.5	30.0	108.984	17.6354	1.38114	11.0	1.3	6.8	1.1	2.6	0.3	2.8	0.3	52.9	1.9	11.9	512.2	14.3	1022.2		
SMDH 00125	22.2	122.9	254.7	27.7	98.5491	15.5607	1.95662	9.3	1.1	5.4	0.8	1.7	0.3	1.7	0.3	46.6	1.4	12.1	510.3	15.7	1052.8		1.5
SMDH 00125	37.5	151.9	319.1	34.0	121.737	19.9407	1.84152	12.4	1.5	8.0	1.4	3.0	0.3	3.2	0.3	57.5	2.1	10.3	459.5	15.7	1012.6		
SMDH 00125	38.8	128.6	270.7	29.2	105.506	17.1744	1.72643	10.9	1.4	7.4	1.4	3.2	0.6	3.5	0.6	52.0	1.7	10.1	437.8	14.3	1122.4	1.0	
SMDH 00125	18.2	133.4	275.0	29.8	105.506	15.9065	1.72643	9.1	0.9	4.6	0.7	1.3	0.3	1.1	0.3	50.9	1.5	13.9	595.3	15.7	935.8		1.4
SMDH 00125	54.1	123.0	266.6	28.7	103.187	17.4049	1.72643	11.9	1.8	10.4	1.9	4.3	0.8	4.9	0.8	53.0	2.7	10.1	440.9	18.6	981.5		
SMDH 00125	54.6	113.8	244.3	26.3	95.0709	16.2523	1.95662	11.1	1.6	10.3	1.8	4.2	0.7	4.5	0.7	47.2	2.5	10.6	462.8	21.5	1261.2		
SMDH 00125	14.2	76.4	143.4	18.6	57.9701	9.79746	1.38114	6.0	0.6	3.1	0.3	1.7	0.3	1.3	0.3	28.2	0.9	12.3	452.8	15.7	1030.8		
SMDH 00126	38.7	144.6	322.9	36.4	118.259	21.6697	1.38114	12.0	1.4	7.2	1.4	4.6	0.6	3.2	0.3	69.3	2.1	22.2	744.0	15.7	892.8		1.5
SMDH 00126	26.0	93.2	212.7	23.1	73.0423	13.3707	1.15095	7.8	0.9	4.6	0.8	3.3	0.3	2.2	0.3	42.9	6.0	892.5	37956.7	128.7	1553.8	1.6	
SMDH 00126	44.0	144.6	287.2	37.0	113.621	19.8254	1.95662	12.9	1.5	7.0	1.4	5.0	0.7	3.5	0.6	61.2	1.3	17.6	744.7	27.2	1058.9		
SMDH 00126	38.7	120.7	243.3	31.8	98.5491	19.5949	1.72643	12.6	1.4	7.3	1.3	4.3	0.3	2.6	0.3	56.3	1.7	10.8	387.0	27.2	844.2		1.8
SMDH 00126	31.8	119.6	244.9	32.2	103.187	19.9407	1.95662	12.1	1.3	6.1	1.1	3.7	0.3	2.8	0.3	57.3	1.8	11.2	395.6	20.0	918.5		
SMDH 00126	39.0	140.3	281.0	37.6	119.418	21.0934	1.95662	13.2	1.4	7.3	1.4	4.1	0.3	3.1	0.3	71.1	1.9	12.1	429.3	25.7	1067.3	0.8	
SMDH 00126	42.1	143.3	295.0	39.2	121.737	22.246	2.18681	14.9	1.6	8.8	1.4	4.8	0.6	3.3	0.6	76.4	1.9	12.6	428.5	22.9	952.8		1.7
SMDH 00126	42.2	123.3	277.8	31.8	111.303	19.0186	2.07171	12.4	1.6	9.0	1.5	4.1	0.7	4.4	0.3	63.7	2.0	9.2	399.4	22.9	953.3		
SMDH 00126	41.1	118.3	268.7	29.9	102.027	18.2117	1.95662	11.5	1.5	7.8	1.4	3.8	0.6	3.6	0.6	58.4	1.9	9.0	348.4	21.5	950.7		
SMDH 00126	44.9	128.6	293.8	32.4	120.578	19.5949	1.84152	12.4	1.8	9.4	1.6	3.9	0.7	3.6	0.3	71.3	2.1	8.5	342.8	22.9	873.6		1.7
SMDH 00126	39.3	115.2	255.1	28.7	100.868	17.2896	1.61133	11.2	1.4	6.9	1.3	3.8	0.6	3.4	0.3	52.8	1.9	8.1	321.8	27.2	1038.1		
SMDH 00126	36.9	119.5	261.0	28.9	97.3897	15.2149	1.38114	9.2	0.9	6.2	1.3	3.8	0.6	4.5	0.6	47.7	1.4	15.8	617.7	14.3	1233.4		
SMDH 00126	42.5	147.4	311.6	35.2	118.259	17.0591	1.61133	10.4	1.2	7.0	1.6	4.8	0.7	5.5	0.8	58.6	1.3	10.8	440.1	10.0	1058.6		1.7
SMDH 00126	53.0	183.0	397.2	43.6	151.882	22.7071	1.72643	13.2	1.6	8.5	1.9	5.8	1.0	6.1	0.8	73.9	1.5	12.6	488.3	17.2	1207.7	0.8	
SMDH 00126	53.5	174.1	372.0	40.1	136.809	21.0934	1.38114	13.9	1.5	9.3	1.9	5.7	0.9	6.1	0.8	70.5	1.9	14.0	548.8	18.6	1510.9		
SMDH 00126	55.0	164.8	357.4	38.6	135.65	20.6323	1.84152	12.7	1.4	9.0	1.9	5.7	0.8	6.0	0.7	66.1	1.5	14.7	552.7	17.2	1210.2		1.7
SMDH 00126	44.1	158.2	336.4	39.9	136.809	21.3239	1.49624	13.1	1.4	8.4	1.6	4.0	0.7	5.3	0.6	69.5	1.8	17.6	765.5	18.6	1405.3		
SMDH 00126	34.2	147.7	321.1	37.8	132.172	21.4391	1.95662	12.3	1.3	6.6	1.1	3.5	0.6	4.4	0.6	67.5	1.4	12.9	535.2	18.6	1238.5		1.7
SMDH 00126	24.2	117.6	240.8	30.4	95.0709	16.0217	1.49624	8.2	1.2	4.9	1.1	2.4	0.3	3.3	0.3	52.0	1.9	10.1	479.9	15.7	1051.4		
SMDH 00126	24.7	83.0	180.3	21.4	73.0423	12.3333	1.61133	7.8	0.9	5.3	0.9	2.2	0.3	2.7	0.3	37.2	1.2	8.7	383.9	24.3	866.6		
SMDH 00126	49.9	157.2	335.5	42.6	140.288	22.9376	1.84152	15.9	1.9	9.7	1.7	4.2	0.6	4.3	0.6	79.4	2.5	8.3	344.3	24.3	931.6	0.7	1.6
SMDH 00126	39.0	129.6	281.8	33.9	114.781	18.7881	1.72643	13.5	1.4	7.6	1.3	3.5	0.3	4.0	0.3	64.0	2.0	9.0	379.7	24.3	986.2		
SMDH 00126	40.2	144.0	306.1	37.7	120.578	20.056	1.72643	12.7	1.4	7.3	1.4	3.7	0.3	4.0	0.6	64.5	1.7	9.7	398.8	20.0	922.4		
SMDH 00126	30.4	141.1	299.2	36.7	118.259	19.3644	1.61133	12.4	1.3	5.7	1.0	3.0	0.3	2.6	0.3	68.7	2.0	12.4	509.4	18.6	933.9		1.5
SMDH 00126	9.5	44.8	92.4	11.4	34.782	5.53268	1.26605	3.6	0.3	1.8	0.3	0.8	0.3	0.9	0.3	18.3	0.9	11.6	489.1	17.2	847.2	0.5	
SMDH 00126	25.7	57.1	119.9	14.5	49.8543	7.26165	1.03586	5.4	0.6	3.8	0.9	2.6	0.3	3.4	0.3	23.2	1.9	28.2	1182.2	40.1	2746.8		
SMDH 00126	25.7	57.1	119.9	14.5	49.8543	7.26165	1.03586	5.4	0.6	3.8	0.9	2.6	0.3	3.4	0.3	23.2	1.9	28.2	1182.2	40.1	2746.8		
SMDH 00127	19.0	78.7	197.0	16.2	63.7671	9.79746	0.92076	5.7	0.8	3.3	0.6	1.7	0.3	2.0	0.3	32.1	1.7	12.5	502.5	24.3	480.7		1.7
SMDH 00127	47.0	125.7	268.3	26.5	96.2303	15.6759	1.61133	11.2	1.6	8.1	1.5	3.8	0.7	3.5	0.3	61.6	3.2	7.5	286.1	31.5	712.4		
SMDH 00127	22.1	106.8	220.2	25.3	84.6363	12.3333	1.61133	7.3	0.7	4.0	0.8	2.1	0.3	2.5	0.3	41.6	1.3	11.7	502.8	17.2	967.5		
SMDH 00127	38.3	146.9	295.8	33.7	117.1	18.6728	2.07171	12.1	1.4	7.8	1.4	3.7	0.7	3.2	0.3	59.3	1.8	8.4	342.6	12.9	813.1	1.6	1.5
SMDH 00127	54.1	117.5	248.2	26.7	96.2303	14.7538	1.84152	9.6	1.2	7.4	1.9	6.2	1.1	8.1	1.8	48.8	1.1	7.7	335.9	11.4	727.6		
SMDH 00127	127.1	159.6	335.7	40.2	140.288	23.5139	1.38114	16.4	2.5	15.5	4.5	17.6	3.2	25.1	4.4	74.5	1.8	10.4	459.3	14.3	669.0		
SMDH 00127	145.1	206.2	447.0	52.5	177.388	27.3176	1.72643	19.1	2.6	19.0	4.8	15.3	3.1	18.4	3.2	93.5	2.1	8.4	332.6	18.6	791.2		1.6
SMDH 00127	57.7	157.9	333.2	39.2	132.172	18.6728	1.72643	11.9	1.5	9.3	1.8	5.4	1.0	6.4	1.1	65.0	1.7	13.2	571.9	14.3	937.2	0.8	
SMDH 00127	31.6	160.8	340.2	40.0	133.331	19.8254	1.49624	11.9	1.4	6.0	1.0	2.5	0.3	2.7	0.6	68.6	1.7	9.6	420.1	15.7	945.3		
SMDH 00127	27.6	193.8	410.4	47.2	159.997	24.436	1.61133	14.6	1.4	6.3	0.9	1.9	0.3	1.7	0.3	80.6	2.6	14.5	644.1	25.7	953.7		1.7
SMDH 00127	31.4	190.9	408.2	47.1	159.997	24.436	1.84152	14.3	1.5	6.8	1.0	2.5	0.3	2.2	0.3	82.0	2.6	13.3	589.9	20.0	1008.9		
SMDH 00127	36.4	140.8	310.6	34.2	112.462	16.3675	1.49624	11.8	1.5	7.1	1.4	3.3	0.3	3.2	0.3	62.2	2.4	12.6	509.0	20.0	949.1	0.7	
SMDH 00127	44.6	131.7	294.4	32.9	105.506	18.0965	1.72643	12.9	1.8	7.9	1.6	3.8	0.7	4.2	0.7	62.0	2.7	14.3	563.3	24.3	1087.4		1.8

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00127	32.2	97.8	215.8	24.1	79.9987	12.6791	2.07171	9.1	1.3	5.4	1.1	3.1	0.6	3.4	0.6	45.8	1.4	9.0	351.7	18.6	774.1		
SMDH 00128	19.0	75.0	161.5	19.2	67.2453	11.757	0.69057	7.2	0.8	4.2	0.7	2.2	0.3	2.4	0.3	34.1	1.8	11.3	489.4	11.4	509.5		1.6
SMDH 00128	37.9	123.3	254.9	30.9	106.665	17.4049	1.49624	11.7	1.4	7.4	1.3	4.2	0.3	4.2	0.6	53.0	2.6	15.0	581.5	14.3	744.0		
SMDH 00128	20.7	113.6	247.2	28.8	95.0709	15.6759	1.26605	9.6	0.8	4.4	0.8	2.1	0.3	2.3	0.3	46.4	1.5	9.1	365.4	15.7	797.9		
SMDH 00128	18.1	85.8	182.8	20.9	71.8829	11.0654	1.15095	7.3	0.7	3.7	0.7	1.9	0.3	1.8	0.3	35.1	1.5	9.3	370.4	14.3	727.6	1.6	1.6
SMDH 00128	13.3	78.3	161.7	19.1	62.6077	9.45167	0.80567	6.1	0.7	3.0	0.3	1.4	0.3	1.4	0.3	30.3	0.9	7.4	301.1	27.2	812.7		
SMDH 00128	14.2	117.1	253.9	28.3	96.2303	13.7164	1.72643	9.1	0.8	4.0	0.6	1.4	0.3	0.9	0.3	47.5	1.5	8.5	377.7	21.5	933.0		
SMDH 00128	26.2	107.4	216.4	24.3	82.3175	13.6012	1.38114	7.9	0.9	4.4	0.9	3.1	0.3	3.1	0.3	40.5	1.5	11.1	451.6	25.7	901.7		1.7
SMDH 00128	29.4	126.9	247.9	28.7	95.0709	15.5607	1.38114	10.0	1.3	5.3	1.1	3.3	0.3	3.6	0.3	49.3	2.1	11.8	509.3	20.0	975.5	0.8	
SMDH 00128	42.1	113.7	252.3	27.3	92.7521	16.2523	1.72643	9.4	1.2	7.1	1.5	5.2	0.6	5.1	0.8	50.0	2.2	8.8	400.6	17.2	1000.5		
SMDH 00128	31.8	118.0	232.9	26.5	91.5927	15.6759	1.15095	8.5	1.2	5.3	1.1	3.4	0.6	3.9	0.3	46.8	2.0	11.8	511.7	18.6	948.6		
SMDH 00128	17.2	138.1	267.7	31.7	108.984	17.866	1.49624	9.1	1.1	4.0	0.6	1.5	0.3	1.4	0.3	54.1	1.9	10.5	414.2	20.0	921.7		
SMDH 00128	13.3	86.7	165.4	19.9	64.9265	10.2585	1.49624	6.3	0.7	2.7	0.3	1.4	0.3	1.1	0.3	33.3	1.3	9.0	372.0	15.7	874.8	0.9	
SMDH 00128	22.3	129.0	288.4	31.1	108.984	16.8286	1.84152	9.7	0.9	4.8	0.8	2.5	0.3	1.7	0.3	56.8	1.8	11.0	447.2	18.6	994.4		
SMDH 00128	9.1	73.4	140.4	15.9	54.4919	8.0685	1.61133	4.7	0.3	2.1	0.3	0.8	0.3	0.6	0.3	26.6	0.8	7.9	326.1	15.7	797.7		1.5
SMDH 00129	19.8	40.2	80.4	9.0	32.4632	5.87848	0.28774	3.8	0.3	3.2	0.7	1.8	0.3	2.0	0.3	16.8	1.2	8.7	395.6	21.5	745.9		0.9
SMDH 00129	39.0	36.6	73.4	8.6	32.4632	4.8411	0.92076	4.2	0.7	5.7	1.4	4.1	0.7	4.8	0.7	12.9	1.2	12.3	549.6	30.0	1145.3		
SMDH 00129	65.4	57.4	132.9	13.5	45.2167	6.4548	1.03586	6.0	1.2	9.3	2.3	6.8	1.1	8.1	1.1	22.7	1.3	17.6	776.7	40.1	1352.5		
SMDH 00129	14.3	16.0	31.6	4.0	10.4346	2.07476	1.26605	1.7	0.3	2.3	0.3	1.8	0.3	1.9	0.3	5.0	0.3	4.0	199.1	8.6	326.1		
SMDH 00129	24.8	26.2	53.0	5.9	19.7098	3.80372	1.15095	2.9	0.3	3.4	0.9	2.5	0.3	3.1	0.3	8.7	0.7	8.7	387.3	12.9	600.6		1.5
SMDH 00129	26.1	82.4	162.5	19.0	66.0859	10.7196	1.26605	6.1	0.7	4.0	0.9	3.2	0.3	3.6	0.3	28.5	1.4	10.0	439.3	24.3	841.4		
SMDH 00129	16.3	64.0	122.3	13.8	46.3761	7.26165	1.15095	4.4	0.7	2.9	0.6	1.7	0.3	1.9	0.3	20.9	1.2	10.4	443.7	18.6	817.8		
SMDH 00129	21.0	77.7	160.9	17.8	61.4483	10.6043	1.38114	6.6	0.8	4.1	0.8	2.1	0.3	2.3	0.3	29.6	1.5	8.0	332.2	12.9	677.9		
SMDH 00129	27.9	111.4	236.9	26.9	91.5927	15.4454	1.61133	10.7	1.3	5.4	1.0	2.5	0.3	2.6	0.3	43.5	2.9	11.7	504.5	17.2	919.2		
SMDH 00129	0.3	1.2	2.4	0.3	1.1594	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	14.3	1.4	798.6		
SMDH 00130	55.0	30.4	78.4	10.4	44.0573	14.408	1.72643	14.1	2.2	11.3	1.9	3.8	0.3	2.8	0.3	5.3	1.4	2.9	137.8	21.5	739.8		
SMDH 00130	34.5	137.5	286.0	31.6	107.824	18.6728	1.15095	12.8	1.4	6.9	1.1	3.0	0.3	3.1	0.3	55.0	3.2	10.6	467.1	11.4	538.7		
SMDH 00130	16.1	95.4	202.8	24.0	81.1581	13.1401	1.38114	8.7	0.8	3.8	0.3	1.5	0.3	1.6	0.3	37.8	2.0	12.7	523.6	20.0	849.1		
SMDH 00130	29.9	99.3	208.3	23.2	78.8393	14.408	1.26605	9.7	1.1	5.7	1.0	2.9	0.3	2.6	0.3	39.5	2.8	10.6	458.6	11.4	531.0		
SMDH 00130	22.9	94.3	192.2	21.9	77.6799	13.6012	1.38114	8.2	0.8	4.4	0.7	2.9	0.3	2.3	0.3	39.9	2.2	11.9	526.3	28.6	940.2		
SMDH 00130	3.0	9.5	14.5	2.0	6.95641	0.92211	1.26605	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.7	0.3	7.9	343.0	17.2	692.4		
SMDH 00130	7.2	61.9	123.8	14.9	51.0137	8.29903	1.15095	4.5	0.3	1.9	0.3	0.7	0.3	0.7	0.3	22.3	0.9	7.5	297.7	14.3	706.8	0.9	
SMDH 00130	10.6	93.4	202.5	25.0	85.7957	13.3707	1.49624	7.8	0.7	3.0	0.3	0.8	0.3	0.7	0.3	38.8	1.4	13.9	563.7	21.5	1180.6		
SMDH 00130	5.2	49.1	98.8	12.1	41.7385	6.68533	1.49624	3.9	0.3	1.3	0.3	0.3	0.3	0.3	0.3	18.2	0.8	10.4	438.2	17.2	965.7		1.6
SMDH 00130	29.4	95.6	201.1	24.5	84.6363	12.7943	1.95662	7.9	0.9	4.9	1.1	3.1	0.3	3.6	0.6	37.9	1.5	13.9	568.7	17.2	1067.7		
SMDH 00130	17.0	99.1	205.9	21.9	70.7235	12.6791	1.49624	7.4	0.9	3.3	0.7	1.9	0.3	2.6	0.3	33.0	2.0	12.0	497.2	18.6	935.8	0.8	
SMDH 00131	16.3	50.9	105.1	12.2	40.5791	7.14638	0.80567	4.6	0.3	2.7	0.3	2.1	0.3	1.6	0.3	19.3	1.3	11.2	427.8	12.9	425.8		
SMDH 00131	24.0	93.4	189.9	22.0	74.2017	12.7943	1.38114	7.8	0.8	4.4	0.8	3.1	0.3	2.5	0.3	37.7	2.0	17.5	671.6	15.7	737.9		
SMDH 00131	15.1	72.0	148.3	17.3	60.2889	10.9501	1.03586	5.8	0.7	3.2	0.3	1.9	0.3	1.5	0.3	31.5	1.3	8.7	307.7	11.4	687.5		
SMDH 00131	15.8	74.1	148.8	16.0	55.6513	8.52955	1.26605	4.7	0.3	2.5	0.3	2.2	0.3	1.8	0.3	28.4	1.1	10.6	410.5	25.7	807.3	1.1	1.6
SMDH 00131	15.7	88.0	180.7	20.4	70.7235	13.0249	1.15095	7.1	0.7	3.3	0.6	2.2	0.3	1.7	0.3	38.4	1.5	10.5	367.7	15.7	744.2		
SMDH 00131	21.8	81.7	168.2	19.3	64.9265	13.0249	1.26605	8.2	0.8	4.5	0.7	3.0	0.3	2.6	0.3	35.7	1.8	8.4	334.3	20.0	946.0		
SMDH 00131	19.0	77.4	160.3	18.9	63.7671	12.5638	1.15095	7.1	0.8	3.9	0.7	2.4	0.3	1.9	0.3	35.0	1.7	8.4	327.7	20.0	901.9		1.4
SMDH 00131	16.2	78.3	165.4	18.9	63.7671	11.757	1.15095	7.3	0.8	3.4	0.6	1.8	0.3	1.5	0.3	35.7	1.5	10.6	392.4	20.0	999.8	1.2	
SMDH 00131	11.8	115.6	234.2	25.7	86.9551	14.408	1.84152	8.0	0.7	2.7	0.3	1.5	0.3	0.8	0.3	47.1	1.1	5.7	208.7	12.9	681.1		
SMDH 00131	13.4	120.7	245.0	27.4	97.3897	13.3707	1.84152	8.2	0.7	3.1	0.3	1.5	0.3	1.0	0.3	51.8	1.1	5.7	240.7	11.4	819.2		1.4
SMDH 00131	10.9	106.7	205.5	23.3	81.1581	11.0654	1.95662	7.0	0.6	2.6	0.3	1.3	0.3	0.6	0.3	40.7	0.8	3.8	162.1	15.7	545.0		
SMDH 00132	30.9	93.6	188.3	21.4	78.8393	11.757	1.26605	9.2	1.1	5.0	1.0	3.3	0.3	3.1	0.3	37.0	2.5	12.5	529.4	27.2	520.2	1.9	
SMDH 00132	10.1	63.4	129.7	14.2	48.6949	8.64482	1.38114	4.8	0.3	1.9	0.3	0.8	0.3	0.8	0.3	24.1	1.3	8.4	363.5	10.0	690.7		1.5
SMDH 00132	7.2	33.7	68.7	7.9	26.6662	4.03425	1.03586	3.1	0.3	1.6	0.3	0.6	0.3	0.7	0.3	13.4	0.8	6.0	264.1	18.6	590.5		
SMDH 00132	9.8	48.5	99.3	11.0	38.2603	7.7227	0.92076	4.5	0.3	2.3	0.3	0.7	0.3	0.3	0.3	19.4	1.2	8.1	354.7	14.3	724.6		
SMDH 00132	17.4	36.1	73.7	8.0	28.985	4.14951	1.03586	3.9	0.3	2.4	0.6	2.1	0.3	2.2	0.3	13.4	1.1	5.3	217.3	17.2	597.8		
SMDH 00132	38.5	67.4	135.3	15.5	54.4919	8.76008	1.15095	6.5	0.8	5.7	1.1	4.8	0.3	4.2	0.3	25.2	2.1	7.2	294.6	21.5	952.8		
SMDH 00132	36.4	78.9	163.8	18.9	67.2453	13.8317	1.15095	8.5	1.1	6.2	1.3	3.2	0.7	3.8	0.3	33.8	2.8	8.0	330.7	24.3	903.5		
SMDH 00132	27.8	68.1	138.8	15.6	55.6513	9.10587	1.15095	6.2	0.7	4.1	0.8	3.1	0.3	3.1	0.3	26.7	1.9	8.4	353.0	20.0	875.3	1.0	1.5
SMDH 00132	37.5	61.7	129.7	14.4	53.3325	8.18376	1.03586	6.5	0.8	5.2	1.1	4.3	0.6	4.7	0.3	24.9	1.7	7.1	286.2	20.0	861.2		
SMDH 00132	43.1	93.1	191.2	21.5	78.8393	11.8722	1.38114	9.4	1.2	6.4	1.4	5.2	0.7	5.1	0.6	37.6	2.4	11.3	559.0	18.6	864.8		
SMDH 00132	47.4	76.7	158.8	17.1	55.6513	10.2585	1.38114	7.8	1.2	6.8	1.5	6.3	0.9	6.3	0.8	28.3	2.4	7.5	303.5	22.9	872.0		1.4
SMDH 00132	86.1	165.1	339.7	34.7	113.621	21.7849	2.64719	14.7	2.3	12.5	2.7	10.8	1.6	10.6	1.5	51.7	4.8	13.9	601.0	37.2	1727.6	0.8	
SMDH 00132	30.4	56.7	115.3	12.7	40.5791	8.0685	1.61133	5.4	0.8	4.4	0.9	3.8	0.6	3.2	0.3	20.9	1.8	8.3	344.0	22.9	778.3		
SMDH 00133	9.0	31.3	53.0	7.2	26.6662	4.8411	0.69057	3.2	0.3	2.2	0.3	1.0	0.3	1.0	0.3	11.5	0.8	3.9	170.1	11.4	304.1		1.5
SMDH 00133	14.3	35.7	54.4	9.0	31.3038	5.64795	0.69057	4.0	0.3	2.5	0.6	1.1	0.3	1.1	0.3	13.4	1.2	4.5	192.9	11.4	422.3		
SMDH 00133	15.3	54.3	85.5	14.5	48.6949	8.29903	0.92076	6.2	0.7	3.4	0.7	1.5	0.3	1.0	0.3	21.6	2.4	2.4	111.8	12.9	502.5	2.0	
SMDH 00133	36.1	332.3	526.1	86.1	291.01	50.1399	1.84152	32.7	3.1	10.3	1.4	2.6	0.3	1.3	0.3	140.6	15.0	2.5	98.7	47.2	1721.6		1.4
SMDH 00133	13.8	138.2	205.6	34.1	117.1	20.1712	1.49624	12.8	1.3	4.6	0.6	1.1	0.3	0.3	0.3	56.3	6.7	1.8	76.7	42.9	1116.8		
SMDH 00133	14.8	33.9	52.9	8.8	30.1444	5.18689	1.15095	4.6	0.6	3.1	0.3	1.4	0.3	1.3	0.3	11.8	1.9	2.0	92.1	20.0	604.8	2.0	
SMDH 00133	12.3	27.5	54.9	7.7	22.0286	3.91898	1.03586	3.0	0.3	2.6	0.3	1.1	0.3	1.4	0.3	9.2	1.3	3.5	135.2	11.4	524.4		
SMDH 00133	19.3	19.7	50.1	7.3	17.391	3.91898	1.15095	3.6	0.3	3.3	0.7	1.8	0.3	1.6	0.3	5.9	1.5	1.9	86.7	20.0	636.8		
SMDH 00133	22.9	112.3	237.8	25.0	92.7521	15.9065	1.26605	10.8	1.2	5.5	0.8	1.6	0.3	1.5	0.3	52.9	7.0	2.8	105.4	51.5	976.2		1.3
SMDH 00133	21.9	114.8	235.8	26.2	97.3897	17.2896	1.38114	10.1	1.2	4.8	0.8	1.6	0.3	1.9	0.3	54.6	4.0	2.6	113.1	41.5	884.8	1.2	
SMDH 00133	19.6	83.2	172.5	19.1	68.4047	11.1806	0.92076	8.4	0.8	4.4	0.6	1.6	0.3	1.7	0.3	40.0	3.2	2.8	114.4	25.7	796.5		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00133	12.7	13.7	28.2	3.2	11.594	2.53581	0.80567	2.1	0.3	2.3	0.3	0.9	0.3	1.1	0.3	4.2	1.3	1.7	66.1	11.4	601.5		1.4
SMDH 00133	15.6	12.0	26.6	3.1	12.7534	3.11213	0.92076	2.6	0.3	2.6	0.6	1.5	0.3	1.6	0.3	3.4	1.3	1.4	57.1	11.4	573.0		
SMDH 00133	25.2	36.9	73.8	8.3	30.1444	5.30216	0.92076	4.1	0.7	4.4	0.8	2.1	0.3	2.6	0.3	12.4	1.8	2.9	104.6	14.3	629.8	1.3	
SMDH 00133	17.6	17.9	38.6	4.4	18.5504	3.68846	1.03586	3.1	0.3	3.3	0.6	1.6	0.3	1.8	0.3	5.9	1.5	2.0	67.7	12.9	648.7		
SMDH 00133	17.0	15.7	35.0	4.1	16.2316	2.99687	0.80567	3.6	0.3	3.2	0.6	1.3	0.3	1.4	0.3	5.6	1.3	2.9	117.7	11.4	516.5		
SMDH 00133	26.7	52.0	108.9	11.9	42.8979	7.14638	1.26605	5.5	0.8	4.7	1.0	2.3	0.3	3.3	0.3	24.0	2.9	6.6	288.7	15.7	522.8		
SMDH 00134	55.4	126.3	271.0	30.1	102.027	18.5575	1.84152	11.5	1.6	9.5	1.8	5.0	0.9	5.7	0.9	49.1	3.7	22.8	944.6	18.6	1018.7		1.3
SMDH 00134	44.6	87.5	188.0	21.3	71.8829	13.1401	1.84152	8.5	1.3	7.4	1.5	5.2	0.7	4.5	0.7	32.0	2.5	10.3	433.2	25.7	1180.8		
SMDH 00134	21.4	55.1	115.9	13.3	46.3761	8.29903	1.38114	5.2	0.7	4.0	0.8	1.8	0.3	1.8	0.3	20.2	1.7	5.4	219.0	71.5	772.2		
SMDH 00134	18.9	38.4	82.2	9.2	31.3038	6.109	1.26605	3.9	0.6	3.4	0.7	1.6	0.3	1.7	0.3	13.7	0.9	6.7	280.3	12.9	548.0		1.4
SMDH 00134	21.3	43.9	92.0	10.4	37.1009	6.91585	1.26605	4.4	0.6	3.8	0.7	1.9	0.3	1.8	0.3	15.4	0.8	7.2	297.2	14.3	509.2		
SMDH 00134	28.8	65.2	139.7	15.6	55.6513	9.91272	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	2.6	0.3	24.9	1.1	8.8	360.8	22.9	908.0		
SMDH 00134	23.4	48.3	103.7	11.6	39.4197	7.95323	1.49624	4.8	0.7	4.2	0.8	2.2	0.3	1.9	0.3	17.8	0.8	7.3	317.8	20.0	879.0	0.4	1.4
SMDH 00135	35.9	65.2	133.9	15.0	51.0137	9.3364	1.61133	6.9	0.9	6.1	1.3	4.1	0.6	3.8	0.3	24.0	2.0	8.4	382.5	22.9	1357.4		
SMDH 00135	35.7	57.3	117.0	14.3	46.3761	8.76008	1.49624	6.1	0.9	4.9	1.3	3.4	0.3	3.3	0.3	22.4	2.0	9.8	399.2	17.2	1079.2	2.0	
SMDH 00135	27.8	43.8	95.2	10.3	37.1009	6.4548	1.15095	5.5	0.7	4.1	0.9	3.3	0.3	3.0	0.3	16.4	1.3	7.0	293.3	17.2	963.3		1.7
SMDH 00135	25.2	64.2	133.7	15.7	52.1731	8.99061	1.49624	6.5	0.8	4.4	0.8	2.9	0.3	2.6	0.3	24.5	1.5	11.7	474.9	15.7	844.2	2.4	
SMDH 00135	27.6	80.9	165.6	19.3	62.6077	10.489	1.61133	7.4	0.9	5.3	1.0	3.3	0.3	3.2	0.3	29.4	1.2	9.0	377.0	20.0	912.9		
SMDH 00135	31.4	63.0	134.9	14.8	48.6949	8.0685	1.49624	6.2	0.8	5.3	1.0	3.9	0.3	3.5	0.3	24.1	0.9	7.8	342.3	20.0	1098.8		
SMDH 00135	19.6	71.4	157.4	17.9	60.2889	10.6043	1.38114	7.7	0.8	4.4	0.8	2.5	0.3	1.9	0.3	29.0	1.9	10.3	437.1	22.9	982.2	0.6	
SMDH 00135	14.1	52.7	112.6	12.5	41.7385	8.0685	1.61133	5.3	0.7	3.0	0.3	1.7	0.3	1.3	0.3	20.9	1.2	9.4	425.8	15.7	829.7		1.6
SMDH 00135	23.2	72.5	151.2	17.3	61.4483	10.1433	1.15095	7.1	0.8	4.4	0.8	2.9	0.3	2.8	0.3	27.6	1.7	9.4	392.4	17.2	952.6		
SMDH 00135																							
SMDH 00135	27.4	65.3	134.0	16.5	52.1731	9.3364	1.38114	6.4	0.8	4.4	0.9	2.4	0.3	2.4	0.3	24.3	1.5	8.3	357.4	18.6	826.7		1.6
SMDH 00135	43.1	93.3	192.0	22.9	76.5205	13.8317	1.61133	8.6	1.2	6.4	1.6	5.2	0.7	5.0	0.7	35.2	2.1	11.8	522.8	35.8	872.2		1.5
SMDH 00135	20.0	79.5	164.2	20.1	63.7671	10.3738	1.61133	6.5	0.8	3.3	0.7	1.8	0.3	1.9	0.3	32.0	1.5	9.2	379.3	15.7	971.3		
SMDH 00136	22.8	55.9	122.9	13.5	44.0573	8.0685	0.80567	4.9	0.7	3.9	0.8	2.2	0.3	2.2	0.3	22.0	1.7	8.4	369.6	7.2	568.1		
SMDH 00136	22.9	42.3	88.3	10.3	33.6226	6.22427	1.03586	3.9	0.6	3.8	0.8	2.3	0.3	2.3	0.3	15.9	1.7	6.8	285.4	14.3	684.7		
SMDH 00136	29.3	51.2	102.9	12.0	40.5791	7.49218	1.26605	4.7	0.7	4.8	0.9	2.7	0.3	2.8	0.3	17.3	1.8	7.4	325.9	14.3	747.5		1.6
SMDH 00136	36.9	80.9	168.3	19.6	67.2453	11.6417	1.72643	7.2	1.1	6.3	1.3	3.3	0.6	3.5	0.3	31.1	2.0	11.0	449.4	20.0	1162.6		
SMDH 00136	43.5	100.0	215.9	24.6	82.3175	14.8691	1.61133	8.8	1.3	7.6	1.5	4.3	0.7	4.5	0.8	41.1	2.9	22.3	945.2	18.6	1130.1		1.3
SMDH 00136	42.1	117.3	253.8	28.9	97.3897	16.9438	1.61133	10.4	1.3	8.0	1.5	4.1	0.7	4.0	0.6	48.2	3.3	23.8	1016.5	17.2	1100.2		
SMDH 00136	53.2	178.0	392.5	44.6	149.563	26.5108	1.49624	16.0	2.0	9.9	1.7	4.6	0.7	4.5	0.7	76.7	5.0	36.9	1560.0	20.0	1011.7	2.0	
SMDH 00136	65.9	254.0	555.5	63.0	214.489	37.2303	1.84152	22.3	2.6	13.2	2.2	5.7	0.8	5.2	0.8	110.7	6.1	40.1	1695.8	20.0	1100.0		1.4
SMDH 00136	61.8	281.5	617.1	70.1	236.518	41.0341	1.84152	24.5	2.8	13.2	2.1	5.0	0.7	4.0	0.6	126.6	6.3	14.4	603.5	17.2	949.1		
SMDH 00136	20.5	87.0	185.5	20.7	70.7235	13.3707	1.61133	8.4	1.1	4.7	0.7	1.6	0.3	1.1	0.3	32.6	2.8	8.0	324.7	27.2	931.8		
SMDH 00136	19.9	67.5	144.0	16.1	54.4919	10.3738	1.61133	6.4	0.8	4.0	0.7	1.7	0.3	1.5	0.3	25.7	2.1	7.2	297.2	18.6	778.1	1.7	1.4
SMDH 00136	13.3	49.7	107.1	11.6	40.5791	8.29903	1.49624	5.3	0.6	3.0	0.3	1.0	0.3	0.7	0.3	19.0	2.0	6.8	277.2	18.6	766.6		
SMDH 00136	1.0	6.7	12.0	1.7	5.79701	0.80685	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.9	0.3	1.4	83.9	2.9	37.1		
SMDH 00136	15.8	72.5	156.9	17.5	57.9701	10.2585	1.15095	6.1	0.7	3.1	0.3	1.5	0.3	1.6	0.3	28.8	2.2	10.3	404.8	14.3	1020.3		1.4
SMDH 00136	31.6	91.3	200.2	22.9	77.6799	13.6012	1.61133	9.3	1.2	5.8	1.1	2.9	0.3	3.8	0.6	39.1	3.3	9.1	379.7	20.0	1134.8	0.8	
SMDH 00136	27.2	75.7	164.2	18.7	61.4483	11.5264	1.84152	7.7	0.9	5.4	0.9	2.3	0.3	2.4	0.3	31.7	2.8	7.0	283.7	24.3	1075.9		
SMDH 00136	34.3	78.1	167.3	19.1	63.7671	12.218	1.72643	8.1	1.1	6.3	1.1	3.1	0.3	3.3	0.3	33.3	3.1	9.6	376.5	24.3	1046.5		1.4
SMDH 00136	34.3	78.1	167.3	19.1	63.7671	12.218	1.72643	8.1	1.1	6.3	1.1	3.1	0.3	3.3	0.3	33.3	3.1	9.6	376.5	24.3	1046.5		1.4
SMDH 00137	32.7	86.4	152.4	17.9	67.2453	11.9875	1.38114	8.2	1.1	6.0	1.0	2.9	0.3	2.8	0.3	29.0	2.4	11.6	496.6	14.3	1535.4	1.6	
SMDH 00137	28.8	74.9	139.4	15.1	60.2889	9.79746	1.26605	6.8	0.8	4.9	0.9	2.5	0.3	2.7	0.3	28.2	2.2	9.7	427.0	18.6	1676.0		
SMDH 00137	43.6	164.7	323.8	35.9	122.897	20.6323	2.417	12.6	1.6	8.4	1.5	4.0	0.7	4.3	0.6	47.6	3.2	18.3	744.6	57.2	1765.9		1.5
SMDH 00137	29.7	77.4	144.4	16.5	56.8107	8.76008	1.61133	5.6	0.8	4.6	0.9	2.4	0.3	3.0	0.3	23.2	1.9	9.6	415.2	25.7	959.6		
SMDH 00137	35.2	61.4	115.1	13.6	44.0573	7.83797	1.61133	5.5	0.8	5.5	1.0	3.1	0.3	3.5	0.3	18.3	1.4	7.7	338.9	22.9	1052.3	0.4	
SMDH 00137	40.6	62.2	117.4	12.5	44.0573	7.14638	1.61133	5.2	0.8	5.8	1.3	3.5	0.7	3.9	0.6	19.9	1.7	10.0	437.9	20.0	985.5		1.5
SMDH 00137	29.8	71.8	149.9	17.5	57.9701	9.79746	1.61133	6.5	0.9	4.9	1.0	2.7	0.3	3.1	0.3	25.7	1.8	7.3	343.5	21.5	1064.5		
SMDH 00137	39.0	65.5	124.4	13.8	47.5355	7.49218	1.61133	5.6	0.8	6.0	1.3	3.4	0.6	4.1	0.3	23.4	1.5	9.8	403.2	17.2	920.1		
SMDH 00137	30.3	65.2	125.0	14.2	48.6949	8.29903	1.61133	6.2	0.8	5.2	0.9	2.7	0.3	3.0	0.3	18.7	1.7	9.0	390.1	24.3	1140.4	0.2	1.5
SMDH 00137	24.7	70.4	137.1	15.4	53.3325	8.41429	1.72643	5.7	0.7	4.2	0.7	2.1	0.3	2.3	0.3	22.1	1.5	9.3	396.9	21.5	990.0		
SMDH 00137	41.6	83.9	157.1	18.4	62.6077	9.79746	1.72643	7.0	0.9	6.3	1.3	4.1	0.8	5.6	0.8	26.3	1.7	10.0	435.6	25.7	981.1		
SMDH 00137	37.5	61.5	115.7	13.2	45.2167	7.7227	1.61133	5.5	0.8	5.5	1.1	3.1	0.6	3.8	0.3	18.7	1.4	7.9	333.4	20.0	915.4		1.5
SMDH 00137	29.3	78.5	152.9	17.4	59.1295	9.22114	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	3.1	0.3	26.1	1.7	8.8	365.9	21.5	1032.2	0.2	
SMDH 00137	29.3	78.5	152.9	17.4	59.1295	9.22114	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	3.1	0.3	26.1	1.7	8.8	365.9	21.5	1032.2	0.2	
SMDH 00138	3.2	16.0	31.6	3.5	11.594	1.84423	1.49624	1.1	0.3	0.7	0.3	0.3	0.3	0.3	0.3	5.0	0.3	7.9	350.4	18.6	564.8	2.4	1.5
SMDH 00138	25.7	72.8	171.1	16.7	61.4483	10.2585	0.92076	6.3	0.8	4.8	0.9	2.2	0.3	2.5	0.3	29.6	2.5	14.2	594.5	18.6	1017.1	1.0	1.5
SMDH 00138	50.9	120.6	222.2	26.3	95.0709	15.7912	2.07171	10.1	1.4	8.6	1.7	4.0	0.8	4.5	0.7	38.8	2.9	14.5	600.4	34.3	1182.7		
SMDH 00138	29.9	64.7	122.8	14.5	49.8543	9.10587	1.38114	5.7	0.7	4.6	0.9	2.7	0.3	3.1	0.3	22.5	1.8	7.5	310.7	18.6	750.5		
SMDH 00138	37.4	64.1	122.9	14.4	51.0137	8.52955	1.26605	6.1	0.8	5.6	1.1	3.4	0.6	3.6	0.6	21.3	1.9	8.7	347.4	18.6	776.7		1.4
SMDH 00138	40.0	92.0	177.1	20.9	70.7235	12.4485	1.38114	7.8	1.1	6.3	1.3	3.8	0.6	3.8	0.6	31.6	2.2	10.0	416.6	20.0	925.5	0.4	
SMDH 00138	38.8	73.4	146.3	17.2	57.9701	10.028	1.49624	6.8	0.9	5.8	1.1	3.4	0.6	3.8	0.3	25.1	2.7	8.5	350.8	18.6	914.0		1.4
SMDH 00138	50.4	76.3	148.6	17.1	57.9701	10.489	1.49624	6.9	1.1	7.4	1.5	4.6	0.9	5.2	0.8	25.3	2.9	9.9	410.6	22.9	979.4		
SMDH 00138	39.0	69.9	132.6	15.3	52.1731	9.3364	1.49624	5.6	0.8	5.8	1.1	3.7	0.7	4.1	0.6	22.8	1.5	9.6	403.5	15.7	1012.1	0.4	
SMDH 00138	38.9	63.4	119.8	14.2	47.5355	7.95323	1.61133	5.2	0.7	5.4	1.3	3.7	0.7	4.2	0.6	20.3	1.4	6.5	268.9	15.7	860.1		1.5
SMDH 00138	49.7	79.1	152.0	17.4	60.2889	10.6043	1.38114	6.9	1.1	6.9	1.5	4.6	0.8	5.0	0.7	26.6	2.0	8.6	363.5	24.3	1007.2		
SMDH 00138	37.4	69.6	131.2	14.7	52.1731	8.99061	1.38114	6.4	0.9	5.8	1.1	3.3	0.6	3.6	0.6	22.6	2.0	8.4	366.1	17.2	824.1		
SMDH 00138	47.9	90.6	188.5	22.1	75.3611	13.3707	1.61133	9.1	1.2	7.6	1.7	4.6	0.7	4.9	0.7	36.6	3.1	10.6	435.9	12.9	409.5		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00138	37.9	73.5	143.6	16.7	57.9701	9.79746	1.38114	6.3	0.8	5.8	1.1	3.5	0.6	3.8	0.6	25.7	2.4	7.7	324.7	15.7	905.9	0.3	1.4
SMDH 00138	48.3	79.4	152.4	17.7	57.9701	10.3738	1.49624	7.1	1.1	7.1	1.5	4.2	0.8	4.8	0.7	26.7	3.5	8.8	360.0	20.0	977.8		
SMDH 00138	39.8	70.3	143.8	16.3	56.8107	9.79746	1.49624	6.5	0.9	6.3	1.4	4.0	0.7	4.1	0.6	23.2	2.2	7.8	330.1	17.2	1523.7		
SMDH 00138	46.0	83.3	163.1	18.6	62.6077	11.757	1.15095	7.6	1.1	7.0	1.4	4.3	0.7	4.7	0.7	29.0	2.1	8.7	375.0	18.6	961.5		1.5
SMDH 00139	11.8	44.0	89.2	10.1	38.2603	6.57006	0.57548	3.6	0.3	2.5	0.3	1.0	0.3	1.1	0.3	23.7	1.7	6.3	262.7	11.4	759.6		1.3
SMDH 00139	24.1	66.8	150.5	17.2	56.8107	10.9501	1.26605	6.3	0.8	4.5	0.8	2.1	0.3	2.4	0.3	36.5	2.4	9.0	374.7	21.5	1205.3	2.7	
SMDH 00139	16.5	123.4	266.0	26.1	93.9115	14.2928	2.18681	7.9	0.8	3.8	0.6	1.3	0.3	1.4	0.3	33.5	1.4	11.8	488.7	25.7	885.5		
SMDH 00139	29.4	132.8	279.5	31.3	115.94	20.1712	1.15095	11.6	1.4	6.4	1.0	2.3	0.3	2.5	0.3	60.5	2.9	12.0	508.4	22.9	838.4		1.5
SMDH 00139	25.6	113.4	226.1	25.2	92.7521	14.7538	1.38114	8.2	0.9	4.8	0.9	2.2	0.3	2.7	0.3	40.4	1.7	10.5	426.4	18.6	904.0		
SMDH 00139	23.1	69.5	143.4	15.7	56.8107	9.3364	1.38114	5.2	0.7	3.8	0.8	2.1	0.3	2.6	0.3	27.0	1.3	12.3	516.1	14.3	896.1	0.6	
SMDH 00139	2.4	10.4	18.1	1.9	5.79701	1.03738	1.15095	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.7	0.3	7.5	331.9	12.9	557.1		1.7
SMDH 00139	2.3	9.8	17.0	1.8	5.79701	0.69159	1.49624	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	5.4	233.8	11.4	491.5		
SMDH 00140	46.9	188.7	418.7	47.1	158.838	29.7382	1.26605	17.4	2.0	9.5	1.5	3.5	0.7	4.0	0.3	91.3	5.0	37.6	1571.3	18.6	1104.4		
SMDH 00140	30.2	93.3	223.7	22.5	79.9987	14.5233	1.38114	8.8	1.2	5.7	1.0	2.3	0.3	2.6	0.3	46.7	2.6	14.0	569.0	22.9	1216.5	2.6	
SMDH 00140	22.1	96.2	201.7	22.9	79.9987	13.0249	1.15095	8.1	0.9	4.7	0.8	1.8	0.3	1.9	0.3	45.7	2.2	11.6	471.0	31.5	798.9	2.6	
SMDH 00140	38.7	100.2	196.7	24.0	79.9987	14.9844	2.07171	9.1	1.2	6.4	1.1	2.7	0.3	2.8	0.3	42.7	1.9	10.3	416.0	17.2	812.9		1.5
SMDH 00140	22.6	102.3	205.3	21.4	84.6363	11.757	1.61133	7.2	0.8	4.2	0.8	2.1	0.3	2.2	0.3	37.9	2.2	9.7	401.6	14.3	886.5	1.4	1.7
SMDH 00140	13.2	45.1	94.3	11.2	37.1009	6.68533	1.84152	3.9	0.3	2.7	0.3	1.1	0.3	1.3	0.3	19.0	1.2	5.4	220.7	12.9	597.1		
SMDH 00140	40.3	70.3	151.6	18.4	60.2889	12.1027	1.38114	7.4	1.1	7.1	1.4	3.1	0.6	3.5	0.3	34.4	2.2	8.1	332.4	17.2	759.6		
SMDH 00140	41.9	96.0	196.5	21.1	81.1581	13.7164	1.26605	8.1	1.3	7.3	1.4	4.1	0.7	4.3	0.7	40.3	2.6	13.6	581.0	20.0	870.4		
SMDH 00140	31.2	69.7	170.5	17.5	62.6077	11.4112	1.26605	8.0	1.2	5.7	1.0	2.7	0.3	2.7	0.3	38.8	2.1	10.1	416.7	21.5	777.6		
SMDH 00140	29.5	69.8	143.7	15.3	60.2889	9.79746	1.26605	6.2	0.9	5.4	1.0	2.6	0.3	3.0	0.3	31.5	1.8	9.7	385.9	18.6	934.8		1.7
SMDH 00140	28.5	106.4	215.6	22.3	92.7521	14.9844	1.49624	8.6	1.2	5.4	1.0	2.5	0.3	2.4	0.3	43.4	1.5	10.3	433.6	15.7	814.1	1.1	
SMDH 00140	18.8	52.3	108.6	13.0	44.0573	8.52955	1.38114	5.0	0.7	3.9	0.7	1.5	0.3	1.4	0.3	21.8	0.8	5.9	252.5	15.7	655.9	0.3	1.5
SMDH 00140	20.0	88.1	187.4	22.0	73.0423	13.3707	1.49624	7.6	0.9	4.4	0.7	1.6	0.3	1.7	0.3	41.1	1.4	8.7	360.9	20.0	975.5		
SMDH 00140	31.3	93.2	197.4	26.1	81.1581	14.5233	1.49624	9.1	1.1	6.1	1.1	2.7	0.3	3.2	0.3	44.9	1.8	8.3	353.6	20.0	1003.5		
SMDH 00141	31.4	129.5	254.9	28.7	108.984	19.1339	1.03586	11.6	1.3	6.5	1.1	2.4	0.3	2.2	0.3	58.8	2.9	18.3	774.1	12.9	1367.9	0.6	
SMDH 00141	35.5	85.9	186.7	21.4	75.3611	14.7538	1.72643	9.4	1.2	6.5	1.1	2.7	0.3	2.8	0.3	40.0	1.8	10.6	447.0	21.5	846.5		1.3
SMDH 00141	46.3	101.3	208.4	25.1	86.9551	17.6354	1.72643	11.3	1.5	8.1	1.5	3.4	0.6	3.5	0.3	46.9	2.0	11.4	479.7	28.6	929.7		
SMDH 00141	34.9	85.4	187.7	21.3	75.3611	14.7538	1.84152	9.4	1.3	6.6	1.1	2.7	0.3	2.5	0.3	40.1	1.4	9.1	383.0	21.5	751.2		
SMDH 00141	20.0	107.2	235.8	26.2	91.5927	15.6759	1.61133	9.4	1.1	4.5	0.7	1.5	0.3	1.5	0.3	48.2	1.4	11.8	519.8	22.9	740.0	0.7	1.6
SMDH 00141	29.4	106.4	234.5	25.9	91.5927	16.9438	1.72643	10.8	1.3	6.1	0.9	2.2	0.3	2.4	0.3	49.5	1.7	9.9	408.8	18.6	939.0		
SMDH 00141	23.6	120.5	275.5	31.3	90.4333	18.7881	1.95662	12.5	1.2	5.2	0.8	2.5	0.3	1.7	0.3	52.7	1.4	10.1	554.6	18.6	835.8		
SMDH 00141	5.6	37.5	77.0	8.4	28.985	5.07163	1.84152	3.0	0.3	1.3	0.3	0.3	0.3	0.3	0.3	14.0	0.3	6.0	248.1	12.9	566.2		
SMDH 00141	34.2	113.0	265.0	30.6	89.2739	19.9407	1.72643	15.2	1.5	7.7	1.3	3.4	0.3	2.5	0.3	54.7	2.0	10.1	519.5	27.2	1047.9		
SMDH 00141	28.5	85.5	172.2	21.0	73.0423	15.2149	1.72643	9.6	1.2	5.5	1.0	2.1	0.3	1.9	0.3	40.5	1.7	10.5	427.5	31.5	806.8		
SMDH 00141	39.8	92.5	204.4	22.7	81.1581	16.7133	1.95662	11.0	1.4	7.7	1.3	2.9	0.3	3.0	0.3	44.7	2.1	9.0	370.5	28.6	885.8		1.6
SMDH 00141	49.6	90.6	205.6	22.6	81.1581	16.5981	1.72643	11.0	1.5	8.8	1.6	3.8	0.7	4.0	0.3	47.2	2.2	8.4	347.3	25.7	835.3		
SMDH 00141	41.3	79.1	174.2	19.5	68.4047	14.1775	1.84152	9.3	1.3	7.3	1.3	3.1	0.6	3.3	0.3	36.8	1.8	8.8	359.7	21.5	824.1		1.6
SMDH 00142	17.1	55.0	126.3	13.8	48.6949	8.99061	0.28774	5.4	0.7	3.4	0.6	1.5	0.3	1.6	0.3	32.3	1.5	12.9	571.1	11.4	655.9		
SMDH 00142	28.8	74.1	178.2	19.0	66.0859	12.218	1.49624	8.4	1.1	5.7	0.9	2.3	0.3	2.4	0.3	32.4	1.5	13.0	588.0	14.3	745.6		1.4
SMDH 00142	25.9	65.1	124.9	14.8	54.4919	9.56693	2.07171	7.3	0.9	4.6	0.9	1.9	0.3	1.8	0.3	22.3	0.9	9.8	399.8	15.7	855.2	1.1	
SMDH 00142	32.7	87.7	190.7	22.3	76.5205	15.6759	1.61133	10.2	1.3	6.8	1.0	2.6	0.3	2.4	0.3	44.2	1.8	10.7	519.4	22.9	870.8		
SMDH 00142	21.7	90.2	192.0	22.3	78.8393	14.5233	1.49624	8.8	0.9	4.7	0.8	1.8	0.3	1.8	0.3	40.8	1.2	7.5	334.7	14.3	908.2		1.5
SMDH 00142	28.4	75.7	165.6	19.3	68.4047	12.9096	1.15095	8.8	1.1	5.7	1.0	2.2	0.3	2.0	0.3	38.8	1.5	9.3	416.0	17.2	783.0		
SMDH 00142	28.3	102.8	224.9	25.9	91.5927	16.7133	1.61133	10.7	1.2	5.7	1.0	2.3	0.3	2.3	0.3	48.6	1.9	12.5	572.9	20.0	1156.7	0.6	
SMDH 00142	15.8	105.5	232.9	25.3	89.2739	15.9065	1.72643	9.1	0.9	3.8	0.6	1.1	0.3	1.0	0.3	46.4	1.4	8.0	342.0	14.3	681.1		1.7
SMDH 00142	33.3	104.4	235.5	26.2	92.7521	17.5202	1.61133	11.0	1.3	6.5	1.1	2.7	0.3	2.8	0.3	49.6	1.8	11.9	503.6	21.5	930.6		
SMDH 00142	31.7	103.6	228.3	25.2	88.1145	16.2523	1.38114	10.1	1.2	6.2	1.1	2.6	0.3	2.6	0.3	47.0	1.8	11.1	455.5	21.5	953.0		
SMDH 00142	32.3	90.2	195.1	23.2	82.3175	16.137	1.49624	10.3	1.3	6.8	1.1	2.6	0.3	2.5	0.3	45.7	1.7	10.1	414.2	21.5	836.3		
SMDH 00142	26.5	70.8	158.7	17.5	62.6077	12.3333	1.38114	7.3	0.9	4.7	0.8	2.1	0.3	1.9	0.3	33.0	1.2	9.2	390.0	15.7	521.4		
SMDH 00142	37.1	110.8	240.8	26.8	93.9115	17.5202	1.72643	10.7	1.3	6.6	1.3	3.0	0.3	3.1	0.3	48.8	1.9	11.3	481.6	22.9	759.6		1.6
SMDH 00142	44.0	104.8	230.8	25.8	90.4333	16.7133	1.61133	10.7	1.4	7.9	1.5	3.5	0.6	3.9	0.3	48.3	1.7	9.7	403.1	28.6	832.5	0.4	
SMDH 00142	32.4	97.6	219.2	24.6	85.7957	16.4828	1.72643	10.1	1.3	6.5	1.1	2.6	0.3	2.6	0.3	47.4	2.1	11.2	475.1	27.2	857.7		
SMDH 00142	33.0	92.5	214.2	25.6	73.0423	15.2149	1.38114	11.1	1.1	5.5	1.0	3.7	0.3	3.2	0.3	44.6	1.5	6.7	384.7	21.5	819.2		1.5
SMDH 00142	31.7	92.5	210.4	23.9	83.4769	16.3675	1.49624	10.0	1.2	6.0	1.0	2.6	0.3	2.7	0.3	46.8	2.2	9.3	387.0	18.6	824.1		1.6
SMDH 00142	32.6	88.4	196.7	22.1	78.8393	14.0622	1.72643	8.9	1.2	5.8	1.0	2.7	0.3	3.1	0.3	41.9	2.0	11.3	479.0	20.0	602.7		
SMDH 00143	27.0	115.8	273.3	29.9	106.665	17.9812	0.80567	10.5	1.3	5.7	1.0	2.3	0.3	2.5	0.3	58.5	2.5	15.8	656.5	14.3	543.3	2.9	
SMDH 00143	40.3	143.5	349.1	37.2	132.172	21.9002	1.49624	12.8	1.6	8.2	1.5	3.3	0.3	3.8	0.3	68.5	2.9	19.1	799.9	15.7	798.9		1.4
SMDH 00143	28.4	122.1	243.7	28.9	103.187	16.7133	1.84152	9.1	1.1	5.3	0.9	2.2	0.3	1.8	0.3	46.2	1.3	7.7	355.3	15.7	1043.9		
SMDH 00143	37.3	106.3	237.5	26.3	96.2303	15.7912	1.49624	10.1	1.2	6.6	1.3	3.2	0.3	3.4	0.3	47.2	1.9	6.3	270.0	15.7	674.6		
SMDH 00143	41.6	113.6	257.9	29.4	105.506	18.5575	1.49624	11.3	1.5	8.4	1.6	3.7	0.6	4.4	0.6	52.0	2.5	9.8	419.2	22.9	1104.2	1.1	1.5
SMDH 00143	41.7	128.8	296.9	33.9	122.897	20.2865	1.72643	12.0	1.4	8.0	1.5	3.7	0.6	3.9	0.3	61.7	3.2	10.5	432.7	37.2	919.6		
SMDH 00143	19.8	157.3	357.7	37.7	136.809	20.6323	1.95662	11.5	1.2	5.2	0.7	1.5	0.3	1.0	0.3	68.7	1.7	12.3	521.9	22.9	884.1		
SMDH 00143	33.7	138.3	311.8	34.8	99.7085	18.7881	1.61133	11.1	1.3	6.4	1.1	3.9	0.3	2.8	0.3	54.6	1.7	7.5	399.7	20.0	844.0		1.7
SMDH 00143	44.0	110.1	249.4	27.9	90.4333	16.137	1.38114	10.8	1.3	7.1	1.6	4.7	0.7	4.0	0.6	45.8	1.8	10.6	462.5	20.0	923.1		
SMDH 00143	9.4	61.7	137.0	15.6	42.8979	7.7227	1.95662	5.0	0.3	2.1	0.3	0.9	0.3	0.3	0.3	23.3	0.8	6.6	362.6	14.3	673.7		
SMDH 00143	10.1	93.0	196.8	22.3	62.6077	11.2959	1.84152	6.3	0.6	2.2	0.3	0.9	0.3	0.6	0.3	31.1	1.2	12.6	682.0	34.3	1027.1		1.7
SMDH 00143	14.8	139.4	311.8	35.2	102.027	16.7133	1.38114	10.8	0.9	3.8	0.3	1.5	0.3	0.7	0.3	57.0	1.4	11.7	623.1	20.0	1072.6		
SMDH 00143	17.4	174.2	396.0	46.0	131.012	22.7071	1.95662	13.3	1.3	4.6	0.7	1.6	0.3	0.7	0.3	71.5	1.8	11.2	629.5	20.0	981.3	0.5	
SMDH 00144	20.5	62.3	129.7	14.8	52.1731	8.64482	0.69057	5.8	0.6	4.0	0.8	2.5	0.3	2.0	0.3	27.5	1.7	10.4	458.6	12.9	496.6		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00144	36.0	109.2	215.3	23.9	84.6363	12.9096	1.61133	8.0	1.1	6.1	1.1	3.1	0.6	3.5	0.3	37.8	2.0	12.9	579.4	31.5	767.8	1.5	1.4
SMDH 00144	46.8	102.2	212.7	24.3	84.6363	15.0996	1.61133	10.2	1.3	8.2	1.6	3.9	0.7	4.3	0.6	40.4	2.2	9.9	441.7	21.5	901.4		
SMDH 00144	26.9	97.2	204.9	22.5	78.8393	12.7943	1.61133	8.4	0.9	5.3	0.9	2.7	0.3	2.7	0.3	40.3	1.9	10.8	462.1	17.2	730.0		1.7
SMDH 00144	36.8	116.7	250.4	27.9	99.7085	16.9438	1.72643	11.0	1.3	7.3	1.4	3.2	0.3	3.4	0.3	47.6	2.6	9.8	472.6	22.9	1021.5	0.9	
SMDH 00144	38.8	109.9	238.6	26.2	91.5927	15.7912	1.49624	11.1	1.3	7.4	1.3	3.4	0.6	3.6	0.3	45.9	2.9	12.7	566.1	21.5	990.7		
SMDH 00144	24.8	93.8	212.9	23.8	84.6363	14.6386	1.49624	8.7	0.9	5.2	0.9	2.3	0.3	2.7	0.3	39.6	2.1	8.8	373.4	22.9	795.4		1.8
SMDH 00144	7.0	35.3	73.6	8.3	27.8256	4.03425	1.84152	2.6	0.3	1.4	0.3	0.6	0.3	0.8	0.3	12.0	0.6	4.6	230.2	12.9	507.8		
SMDH 00145	20.8	96.2	201.6	22.9	83.4769	12.1027	0.92076	7.9	0.8	3.6	0.7	1.9	0.3	2.5	0.3	42.5	1.9	13.1	615.6	17.2	706.8		
SMDH 00145	46.3	126.8	265.4	30.6	112.462	17.9812	1.84152	12.0	1.2	7.1	1.6	4.6	0.8	5.3	0.7	53.4	2.0	12.1	562.1	25.7	885.5	2.3	
SMDH 00145	45.0	120.8	265.2	29.7	107.824	17.866	1.49624	12.3	1.4	7.3	1.6	4.5	0.7	5.3	0.7	54.7	2.0	11.2	510.2	22.9	709.6		1.6
SMDH 00145	44.2	126.8	278.1	30.9	112.462	18.4423	1.49624	12.4	1.3	7.7	1.7	4.8	0.9	6.0	0.8	53.9	1.8	8.5	392.5	20.0	691.2		
SMDH 00145	32.3	149.6	322.9	36.6	128.694	19.8254	1.72643	12.6	1.2	6.0	1.1	3.1	0.3	4.1	0.7	63.0	1.8	9.6	432.7	20.0	741.2		
SMDH 00145	28.8	151.5	331.2	37.3	134.491	19.7102	1.61133	11.8	1.2	4.8	1.0	2.7	0.3	3.5	0.3	64.3	1.8	12.1	575.8	15.7	727.9	0.8	1.6
SMDH 00145	14.7	156.2	336.8	36.3	128.694	19.5949	1.84152	11.1	0.9	4.0	0.3	1.3	0.3	1.1	0.3	62.2	1.5	9.8	470.5	17.2	764.8		
SMDH 00145	13.7	77.3	164.4	17.7	63.7671	9.3364	1.95662	5.5	0.3	2.9	0.3	1.4	0.3	1.6	0.3	29.5	0.9	7.3	335.8	12.9	509.9		
SMDH 00145	33.7	119.2	255.1	28.3	103.187	18.327	1.49624	11.5	1.2	6.4	1.0	4.1	0.6	3.8	0.6	54.3	2.4	10.7	442.8	22.9	968.5		1.6
SMDH 00145	37.6	125.7	268.7	30.4	105.506	19.1339	1.61133	11.5	1.2	6.8	1.4	5.0	0.7	4.2	0.8	56.7	1.9	11.1	489.4	17.2	1028.3	0.6	
SMDH 00145	41.8	156.4	329.4	37.7	132.172	23.2834	1.61133	13.5	1.4	7.3	1.5	5.5	0.8	5.1	0.8	70.4	2.1	11.1	452.9	14.3	866.4		
SMDH 00145	28.1	130.6	280.7	31.6	110.143	17.2896	1.61133	10.2	1.1	5.0	0.9	3.2	0.3	3.0	0.3	56.7	1.5	12.0	541.1	14.3	852.1		1.6
SMDH 00145	25.9	107.1	227.2	25.3	88.1145	15.6759	1.61133	9.2	0.9	4.7	0.9	2.7	0.3	2.2	0.3	46.8	1.5	10.4	435.8	20.0	1014.2		
SMDH 00145	37.6	102.7	219.8	24.5	85.7957	14.408	1.15095	8.6	0.9	6.0	1.3	4.7	0.7	4.3	0.7	45.4	1.5	11.7	483.2	15.7	1042.3	0.7	
SMDH 00145	28.6	46.4	93.6	10.3	34.782	5.64795	1.26605	3.9	0.3	4.0	0.9	3.7	0.3	3.4	0.3	16.1	0.8	12.9	543.8	15.7	904.9		1.6
SMDH 00145	7.9	19.0	37.2	4.0	13.9128	2.30528	1.38114	1.4	0.3	1.1	0.3	1.0	0.3	1.1	0.3	5.8	0.3	9.6	412.1	14.3	972.0		
SMDH 00146	37.4	123.5	269.8	31.0	98.5491	18.2117	1.61133	12.4	1.3	7.4	1.3	3.2	0.3	3.1	0.3	55.9	3.1	17.8	738.5	18.6	776.7		1.6
SMDH 00146	32.4	100.4	211.2	24.6	81.1581	13.7164	1.49624	9.4	1.1	6.5	1.0	3.1	0.3	2.6	0.3	41.0	2.0	11.0	461.4	21.5	913.3	0.5	
SMDH 00146	28.9	88.2	160.2	21.1	69.5641	11.0654	1.61133	8.6	0.9	5.0	0.9	2.3	0.3	2.0	0.3	31.8	1.5	11.4	473.6	14.3	576.3		
SMDH 00146	38.8	102.9	215.4	26.1	86.9551	15.3301	1.72643	10.2	1.3	7.4	1.4	3.8	0.3	3.1	0.3	41.3	2.5	9.4	415.4	22.9	1095.1		1.7
SMDH 00146	33.1	96.3	204.3	23.9	79.9987	14.6386	1.72643	9.6	1.3	6.9	1.1	3.2	0.3	2.7	0.3	39.5	2.5	8.7	400.2	20.0	954.4	1.7	
SMDH 00146	28.3	82.8	174.8	20.8	69.5641	12.4485	1.49624	8.0	1.1	5.6	0.9	2.4	0.3	2.0	0.3	33.3	2.0	14.4	699.7	18.6	811.3		
SMDH 00146	38.9	118.8	249.0	28.9	98.5491	17.6354	1.61133	12.4	1.4	7.8	1.3	3.7	0.3	3.0	0.3	47.2	2.6	9.1	423.5	22.9	1025.9		1.7
SMDH 00146	35.5	118.5	248.5	29.1	102.027	16.7133	1.61133	11.5	1.5	7.2	1.3	3.2	0.3	2.5	0.3	46.9	2.6	9.4	416.0	21.5	1025.9		
SMDH 00146	36.0	94.8	195.0	23.2	75.3611	13.3707	1.95662	8.7	1.2	6.9	1.1	3.5	0.3	2.7	0.3	36.6	1.9	8.3	366.7	18.6	866.9		
SMDH 00146	40.6	98.3	207.7	24.9	82.3175	14.2928	1.72643	9.6	1.3	6.8	1.4	4.3	0.6	3.8	0.3	40.4	1.9	9.9	416.5	18.6	909.4		1.7
SMDH 00146	31.7	96.5	201.5	23.7	82.3175	13.1401	1.84152	9.1	1.1	6.5	1.0	3.1	0.3	2.6	0.3	38.6	2.1	11.1	481.3	22.9	938.6	0.6	
SMDH 00146	26.4	91.7	191.3	22.5	73.0423	12.6791	1.72643	9.2	1.1	5.4	0.9	2.5	0.3	1.9	0.3	36.1	1.5	8.5	419.4	18.6	972.9		
SMDH 00146	33.3	110.5	239.2	26.7	96.2303	15.3301	1.61133	10.7	1.3	6.9	1.3	3.1	0.3	3.4	0.3	43.6	3.1	9.4	443.2	30.0	861.9		1.7
SMDH 00147	27.8	80.2	181.7	20.1	69.5641	11.8722	1.15095	7.8	0.9	5.2	0.9	2.5	0.3	2.7	0.3	34.8	2.8	14.9	623.3	14.3	508.1		1.1
SMDH 00147	48.2	143.3	312.3	35.3	122.897	21.9002	1.84152	14.2	1.8	9.2	1.6	4.3	0.7	4.5	0.7	62.2	4.2	25.2	1059.3	20.0	1011.0		
SMDH 00147	17.1	75.5	151.4	17.7	61.4483	10.489	1.61133	7.1	0.8	3.7	0.6	1.4	0.3	1.1	0.3	29.3	1.7	7.2	313.1	17.2	875.5		
SMDH 00147	26.4	85.4	178.5	19.2	66.0859	12.4485	1.38114	8.4	1.2	5.3	0.9	2.5	0.3	2.5	0.3	34.5	2.7	9.0	379.2	20.0	956.8	1.0	1.5
SMDH 00147	23.1	66.1	138.9	15.9	53.3325	9.56693	1.38114	6.6	0.8	4.6	0.8	1.9	0.3	1.9	0.3	27.0	2.1	7.9	336.9	21.5	975.5		
SMDH 00147	18.1	77.0	161.9	18.0	64.9265	11.9875	1.49624	7.6	0.9	4.1	0.6	1.4	0.3	1.1	0.3	32.1	2.1	8.3	359.9	20.0	870.6		
SMDH 00147	24.6	72.7	152.9	17.4	61.4483	11.1806	1.84152	7.7	0.9	4.9	0.8	2.1	0.3	1.9	0.3	29.9	2.4	9.8	454.4	20.0	858.7		1.5
SMDH 00147	30.5	98.4	204.4	23.2	79.9987	14.408	1.95662	9.6	1.2	6.2	1.0	2.4	0.3	2.2	0.3	38.4	2.8	9.4	406.7	31.5	968.0	0.7	
SMDH 00147	34.1	91.2	194.7	21.9	76.5205	13.947	1.95662	9.3	1.3	6.6	1.1	2.9	0.3	2.6	0.3	37.6	3.2	17.5	893.7	30.0	1079.2		
SMDH 00147	24.5	78.6	167.6	18.4	66.0859	11.6417	1.61133	7.4	0.9	4.8	0.8	1.9	0.3	2.0	0.3	32.0	2.2	7.2	330.4	20.0	830.6		1.5
SMDH 00147	31.7	78.5	163.9	18.6	67.2453	11.757	1.84152	8.5	1.1	6.0	1.0	2.6	0.3	2.5	0.3	30.3	2.5	10.0	413.8	28.6	1089.0		
SMDH 00147	28.0	81.0	170.5	19.5	69.5641	12.7943	1.84152	8.6	1.2	5.8	0.9	2.1	0.3	1.8	0.3	33.8	2.6	10.3	416.5	25.7	1108.4	0.5	
SMDH 00147	21.8	78.3	167.4	18.3	63.7671	11.6417	1.38114	7.7	0.9	4.5	0.8	1.7	0.3	1.6	0.3	31.2	2.1	9.9	437.1	25.7	1111.9		1.4
SMDH 00147	25.9	93.0	196.5	21.7	77.6799	14.408	1.38114	9.5	1.2	5.7	0.9	2.1	0.3	1.9	0.3	38.0	2.7	10.8	463.3	30.0	1105.3		
SMDH 00147	19.4	85.5	184.8	20.7	74.2017	12.7943	1.72643	8.5	1.1	4.6	0.7	1.4	0.3	1.1	0.3	35.7	2.5	11.2	460.8	25.7	1156.0		
SMDH 00147	23.8	88.8	178.7	20.3	69.5641	12.6791	1.84152	7.8	0.9	4.8	0.8	1.9	0.3	1.8	0.3	31.6	2.2	7.7	352.6	34.3	988.6	0.3	1.4
SMDH 00148	27.6	129.4	262.2	30.6	100.868	17.0591	1.15095	10.0	1.1	5.5	0.9	3.3	0.3	2.4	0.3	50.2	2.7	15.2	748.3	18.6	694.2		
SMDH 00148	16.9	117.8	245.0	27.6	89.2739	13.8317	1.26605	7.9	0.9	3.6	0.6	1.7	0.3	1.3	0.3	47.8	1.5	8.6	435.1	20.0	1127.8		
SMDH 00148	18.4	84.4	169.0	20.3	64.9265	10.9501	1.26605	6.1	0.7	3.2	0.7	1.9	0.3	1.7	0.3	31.3	1.2	7.7	410.9	14.3	889.7	1.6	1.5
SMDH 00148	18.2	90.9	186.7	22.1	69.5641	11.757	1.38114	7.0	0.8	3.7	0.7	2.1	0.3	1.4	0.3	36.6	1.2	7.2	300.0	14.3	800.0		
SMDH 00148	50.1	104.9	214.1	25.5	83.4769	14.408	1.38114	8.8	1.2	7.4	1.6	6.7	0.9	5.8	1.0	39.0	2.4	10.1	514.2	24.3	1619.9		
SMDH 00148	36.0	93.5	187.9	22.7	71.8829	10.489	1.38114	6.8	0.9	5.6	1.1	4.3	0.6	4.0	0.7	34.9	1.7	7.2	374.7	14.3	1049.5		1.4
SMDH 00148	29.3	93.1	187.9	22.3	68.4047	12.4485	1.38114	7.8	0.9	5.3	1.1	3.9	0.3	3.1	0.6	34.2	1.7	8.5	433.5	20.0	1183.1		
SMDH 00148	34.2	83.7	177.1	20.1	62.6077	10.9501	1.49624	7.4	0.9	5.5	1.1	4.7	0.7	3.8	0.7	32.8	1.8	8.7	439.7	15.7	896.3		1.6
SMDH 00148	33.0	84.7	177.7	20.2	74.2017	10.8348	1.26605	8.5	0.9	5.8	1.3	3.5	0.6	3.6	0.6	34.9	2.0	8.0	333.6	20.0	865.9		
SMDH 00148	25.2	66.2	137.0	15.7	56.8107	8.52955	1.49624	6.9	0.7	4.4	1.0	2.5	0.3	3.0	0.3	26.1	1.4	5.7	266.4	22.9	530.5	0.7	
SMDH 00148	16.3	92.1	189.5	22.2	78.8393	11.4112	1.84152	7.9	0.9	3.7	0.7	1.5	0.3	1.0	0.3	36.9	1.4	6.0	256.2	15.7	832.5		1.6
SMDH 00148	19.4	86.9	179.3	20.3	68.4047	10.6043	1.72643	7.3	0.8	3.7	0.7	1.7	0.3	2.0	0.3	37.0	1.1	6.8	319.3	18.6	619.5		
SMDH 00148	20.8	131.7	267.9	31.2	111.303	15.4454	2.30191	10.4	1.1	4.7	0.9	1.8	0.3	1.8	0.3	54.6	1.5	8.1	371.6	15.7	750.8		
SMDH 00149	21.8	51.7	110.1	12.0	41.7385	6.91585	0.92076	6.1	0.9	4.2	0.7	2.2	0.3	2.3	0.3	18.6	1.7	6.1	260.8	21.5	959.8		
SMDH 00149	26.6	31.9	74.3	8.0	28.985	5.64795	0.92076	4.7	0.7	4.9	0.9	2.4	0.3	3.0	0.3	11.6	1.2	3.3	136.0	20.0	1137.8		1.5
SMDH 00149	9.6	58.7	110.7	11.6	34.782	4.72583	1.26605	2.5	0.3	2.1	0.3	0.9	0.3	1.5	0.3	16.2	2.9	32.3	1349.4	22.9	1344.8		
SMDH 00149	27.1	62.4	113.1	13.0	42.8979	6.57006	1.72643	4.7	0.7	4.4	0.9	2.4	0.3	3.6	0.3	16.6	2.4	6.3	288.1	30.0	296.9	0.5	
SMDH 00149	24.7	30.1	55.4	6.6	20.8692	3.91898	1.38114	3.4	0.3	3.4	0.8	2.5	0.3	4.0	0.6	8.3	2.5	17.6	681.6	24.3	704.0		1.8
SMDH 00150	28.8	60.4	108.9	12.7	47.5355	7.95323	1.38114	5.7	0.9	4.8	1.1	2.5	0.3	2.6	0.3	23.7	2.7	5.9	203.3	24.3	1185.2	3.1	1.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00150	22.2	48.3	95.9	12.2	40.5791	7.14638	1.38114	4.8	0.7	3.7	0.9	1.8	0.3	2.0	0.3	22.1	1.9	6.8	222.3	17.2	768.3		
SMDH 00150	22.8	66.8	129.7	16.3	54.4919	8.99061	1.38114	5.6	0.9	4.6	0.8	1.9	0.3	1.9	0.3	31.6	2.1	7.0	255.2	17.2	668.5		
SMDH 00150	21.3	22.8	43.3	6.5	22.0286	4.14951	1.38114	3.7	0.8	4.1	0.8	1.8	0.3	1.6	0.3	4.8	2.4	2.5	87.4	30.0	627.2		1.5
SMDH 00150	17.9	69.8	137.6	17.2	54.4919	8.64482	1.26605	5.4	0.7	3.3	0.7	1.7	0.3	1.5	0.3	32.8	2.2	6.0	199.6	17.2	826.9	1.4	
SMDH 00150	12.8	32.2	61.6	8.0	26.6662	3.68846	1.61133	2.9	0.3	2.2	0.3	1.1	0.3	1.0	0.3	12.8	0.9	3.1	101.3	12.9	568.6		
SMDH 00150	14.6	21.1	40.3	5.2	16.2316	2.88161	1.72643	2.3	0.3	2.1	0.3	1.3	0.3	1.3	0.3	7.6	0.9	2.1	62.0	10.0	324.0		1.7
SMDH 00150	35.6	33.1	71.7	9.5	35.9414	7.83797	2.07171	6.5	1.3	6.5	1.4	2.6	0.3	2.2	0.3	10.3	2.2	3.3	108.6	40.1	1061.2		
SMDH 00150	58.3	110.5	213.4	26.2	82.3175	13.4859	1.49624	9.9	1.8	10.2	1.9	5.1	1.1	5.2	0.9	41.1	3.9	7.0	271.4	30.0	1157.7	1.4	
SMDH 00150	48.3	95.2	194.0	21.0	69.5641	11.0654	1.15095	10.0	1.5	8.5	1.8	5.1	0.9	5.5	0.9	31.1	3.4	8.0	295.3	30.0	1342.9		
SMDH 00150	48.8	79.6	171.0	18.9	60.2889	11.5264	1.03586	10.2	1.5	8.1	1.7	4.7	0.8	5.0	0.8	30.1	3.5	7.2	286.0	24.3	1096.9		
SMDH 00150	43.2	76.2	156.6	16.9	59.1295	9.79746	0.92076	8.9	1.3	7.7	1.7	4.2	0.8	4.2	0.8	27.0	3.7	6.6	261.0	30.0	1269.1		
SMDH 00150	52.6	84.7	175.7	19.3	66.0859	12.3333	1.38114	10.5	1.6	9.3	2.1	5.5	0.9	5.2	0.8	29.1	3.9	7.2	278.8	22.9	1388.7	1.3	1.4
SMDH 00150	44.6	73.9	154.0	17.2	57.9701	10.028	1.49624	9.1	1.5	7.9	1.6	4.8	0.8	4.3	0.6	26.1	3.5	6.3	252.2	22.9	1195.3		
SMDH 00150	55.4	85.2	176.8	20.2	67.2453	12.3333	1.26605	9.7	1.8	9.7	2.2	5.8	0.9	5.3	0.8	31.6	3.8	7.5	288.5	24.3	1459.0		
SMDH 00150	51.5	90.3	188.2	21.0	69.5641	10.8348	1.03586	10.2	1.4	9.4	1.8	5.9	1.0	5.6	0.8	34.2	3.5	8.7	314.5	21.5	1202.3		1.5
SMDH 00150	60.6	75.1	161.3	18.5	66.0859	12.6791	1.61133	12.0	2.1	10.4	2.2	5.8	1.0	5.3	0.8	25.2	3.9	9.0	373.4	27.2	1230.6	0.7	
SMDH 00151	61.0	121.8	271.5	28.3	96.2303	17.4049	2.18681	12.0	1.8	9.6	1.9	5.1	0.9	6.3	0.9	47.1	3.5	14.7	652.6	22.9	1498.9	0.2	1.3
SMDH 00151	42.6	99.1	213.8	23.3	79.9987	14.0622	1.84152	9.9	1.4	7.1	1.4	3.5	0.7	4.1	0.6	40.1	3.2	12.1	524.0	18.6	997.2		
SMDH 00151	34.0	98.3	209.5	22.6	78.8393	13.3707	1.38114	8.8	1.2	5.4	0.9	2.3	0.3	2.4	0.3	41.2	3.2	11.1	520.1	11.4	685.8		
SMDH 00151	13.9	60.7	127.3	13.7	46.3761	7.49218	1.72643	4.9	0.6	2.6	0.3	1.1	0.3	1.4	0.3	24.0	1.4	3.7	167.0	11.4	404.1		1.7
SMDH 00151	10.3	95.6	202.2	21.5	74.2017	11.9875	1.61133	7.1	0.7	2.6	0.3	0.7	0.3	0.3	0.3	39.4	2.0	6.6	279.1	11.4	560.4	1.0	
SMDH 00151	6.1	67.4	136.0	14.7	49.8543	7.83797	1.72643	4.5	0.3	1.6	0.3	0.3	0.3	0.3	0.3	25.1	1.2	3.5	146.0	17.2	830.9		
SMDH 00151	13.3	133.8	281.0	30.6	104.346	16.3675	1.49624	9.3	0.9	3.3	0.3	1.1	0.3	1.3	0.3	55.4	2.9	8.7	366.6	8.6	834.1		1.5
SMDH 00151	8.7	114.1	240.1	26.1	89.2739	14.1775	1.38114	7.6	0.7	2.3	0.3	0.8	0.3	0.8	0.3	48.2	2.2	10.7	455.8	8.6	840.7		
SMDH 00151	7.2	117.0	242.6	27.0	91.5927	14.0622	1.72643	7.2	0.7	2.2	0.3	0.6	0.3	0.3	0.3	44.3	2.0	8.6	378.6	12.9	669.5	0.5	
SMDH 00151	9.4	84.8	178.8	19.6	67.2453	10.489	1.38114	5.8	0.6	2.6	0.3	0.7	0.3	0.3	0.3	32.9	1.9	13.6	574.5	14.3	726.7		1.5
SMDH 00151	6.2	62.2	131.4	14.8	51.0137	8.18376	1.61133	4.2	0.3	1.6	0.3	0.3	0.3	0.3	0.3	23.3	1.4	6.6	281.0	4.3	291.3		
SMDH 00151	12.9	71.7	151.8	17.2	57.9701	9.79746	1.26605	4.7	0.3	2.6	0.3	1.3	0.3	1.4	0.3	27.4	1.4	8.5	351.3	10.0	705.9		
SMDH 00151	13.3	69.2	148.0	16.6	56.8107	9.79746	1.26605	5.8	0.7	3.1	0.3	1.1	0.3	0.9	0.3	26.0	1.9	7.8	325.4	17.2	696.6		1.5
SMDH 00151	16.7	61.6	132.5	14.8	51.0137	8.76008	1.26605	5.3	0.6	3.3	0.6	1.6	0.3	1.9	0.3	22.7	2.1	10.5	443.7	17.2	811.0		
SMDH 00151	27.6	110.1	237.3	27.3	91.5927	16.137	1.61133	9.3	1.1	5.5	0.9	2.5	0.3	2.6	0.3	42.4	3.2	9.4	383.4	20.0	884.4		
SMDH 00151	31.1	85.5	185.0	20.8	71.8829	12.7943	1.84152	7.9	0.9	5.5	1.0	2.7	0.3	2.8	0.3	32.4	3.2	7.7	328.2	21.5	764.8		1.4
SMDH 00151	8.4	54.1	112.1	12.4	42.8979	7.37691	1.84152	4.4	0.3	2.1	0.3	0.7	0.3	0.3	0.3	20.9	1.2	3.1	132.4	14.3	573.0	0.2	
SMDH 00151	34.0	65.9	141.4	16.0	54.4919	10.1433	1.49624	6.5	0.9	5.4	1.1	3.2	0.6	3.9	0.7	26.0	2.9	6.7	269.2	28.6	908.0		
SMDH 00152	49.7	90.1	194.8	20.9	75.3611	13.3707	1.61133	8.9	1.2	7.8	1.7	3.7	0.9	4.8	0.6	31.6	2.5	14.2	638.0	21.5	1140.6		
SMDH 00152	23.7	47.7	99.1	11.4	38.2603	6.68533	1.15095	5.2	0.6	4.1	0.8	3.0	0.3	2.5	0.3	18.7	1.4	10.4	423.6	15.7	798.2		1.7
SMDH 00152	9.5	45.5	95.7	10.7	34.782	6.109	1.03586	3.9	0.3	1.9	0.3	0.9	0.3	0.8	0.3	17.3	1.1	6.4	270.2	15.7	637.7		
SMDH 00152	34.6	58.2	121.2	14.1	47.5355	8.52955	1.26605	6.5	0.9	5.6	1.1	4.1	0.3	3.9	0.3	21.5	1.7	11.1	435.0	20.0	1146.9		
SMDH 00152	28.6	87.4	182.2	21.6	64.9265	12.5638	1.15095	8.5	0.9	4.7	0.9	3.2	0.3	3.1	0.3	34.5	2.5	16.3	746.7	14.3	697.3	0.9	1.7
SMDH 00152	5.4	39.7	81.1	9.0	30.1444	4.8411	1.26605	3.1	0.3	1.0	0.3	0.3	0.3	0.3	0.3	15.1	0.7	4.8	207.6	18.6	738.6		
SMDH 00152	5.2	43.8	89.6	9.5	33.6226	5.41742	1.03586	3.0	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.9	0.9	6.3	269.9	12.9	559.2		
SMDH 00152	8.0	55.8	106.8	14.5	47.5355	8.0685	1.15095	4.0	0.3	1.8	0.3	0.6	0.3	0.3	0.3	23.5	1.5	10.0	467.0	27.2	826.7		1.6
SMDH 00152	9.9	47.7	99.1	12.0	39.4197	6.57006	1.61133	4.4	0.3	2.1	0.3	0.9	0.3	0.6	0.3	20.8	1.7	9.9	407.4	15.7	802.1	1.1	
SMDH 00152	7.2	42.6	85.7	10.4	33.6226	5.41742	1.61133	3.4	0.3	1.6	0.3	0.7	0.3	0.3	0.3	17.3	1.2	9.4	381.9	12.9	772.7		
SMDH 00152	8.4	45.1	88.0	11.2	33.6226	5.87848	1.72643	3.6	0.3	1.6	0.3	0.6	0.3	0.3	0.3	18.3	1.4	13.1	522.9	17.2	932.0		1.7
SMDH 00152	10.0	57.9	115.7	13.8	45.2167	7.26165	1.49624	4.4	0.3	2.1	0.3	0.9	0.3	0.7	0.3	22.5	1.5	10.8	445.5	18.6	968.9		
SMDH 00153	22.6	40.6	82.7	9.5	33.6226	5.18689	0.57548	3.7	0.6	3.3	0.8	1.8	0.3	2.0	0.3	16.2	1.3	6.5	308.0	10.0	436.8		
SMDH 00153	28.8	49.3	106.7	11.8	39.4197	7.49218	1.03586	4.8	0.7	4.5	1.0	2.4	0.3	3.1	0.3	18.6	1.5	10.3	489.4	21.5	706.6	1.3	1.3
SMDH 00153	38.4	77.9	164.0	19.1	66.0859	11.2959	1.95662	7.4	1.1	6.4	1.3	3.3	0.6	3.5	0.6	29.9	1.9	11.7	553.4	25.7	1333.6		
SMDH 00153	31.3	42.8	88.6	10.0	35.9414	5.87848	1.26605	4.1	0.7	4.7	1.0	2.6	0.3	3.1	0.3	15.0	1.3	6.3	271.2	18.6	943.0		
SMDH 00153	24.8	63.7	127.8	15.0	53.3325	8.41429	1.49624	5.5	0.8	4.1	0.8	2.3	0.3	2.5	0.3	22.8	1.3	5.9	264.5	15.7	855.6		1.5
SMDH 00153	24.7	60.0	120.8	13.8	47.5355	7.60744	1.26605	5.2	0.7	4.2	0.8	1.9	0.3	2.2	0.3	21.5	1.2	5.1	230.2	14.3	711.7	0.6	
SMDH 00153	25.2	52.2	108.1	12.2	42.8979	7.83797	1.38114	5.0	0.7	4.1	0.8	2.2	0.3	2.4	0.3	18.1	1.2	7.7	356.5	17.2	891.6		
SMDH 00153	26.6	75.1	155.9	17.9	62.6077	10.2585	1.38114	6.4	0.8	4.7	0.9	2.4	0.3	3.0	0.3	27.7	1.5	5.9	256.2	18.6	896.8		1.4
SMDH 00153	54.4	68.2	141.2	16.1	54.4919	9.6822	1.49624	6.8	1.2	8.0	1.7	4.7	0.8	5.0	0.7	24.3	2.1	9.9	475.2	24.3	863.3		
SMDH 00153	47.7	72.6	149.4	16.5	56.8107	9.56693	1.95662	6.9	1.1	7.6	1.6	3.5	0.8	4.2	0.3	22.9	1.9	9.3	416.5	28.6	929.7	0.3	
SMDH 00153	64.5	77.4	170.2	18.6	68.4047	12.5638	1.49624	9.7	1.5	10.9	2.2	4.7	0.9	4.7	0.3	25.9	2.6	11.7	534.4	38.6	1385.9		1.4
SMDH 00153	57.3	72.2	154.3	17.2	60.2889	10.7196	1.61133	8.4	1.3	9.5	1.9	4.0	0.8	4.5	0.3	24.3	2.7	9.2	402.7	32.9	1047.4		
SMDH 00153	66.3	70.7	147.4	16.0	57.9701	10.2585	1.84152	7.4	1.2	9.9	2.2	4.7	1.0	5.6	0.7	23.5	2.2	8.7	388.8	25.7	939.5		
SMDH 00153	55.1	73.2	152.2	16.3	57.9701	10.3738	1.72643	7.2	1.2	8.8	1.7	3.9	0.9	4.5	0.3	23.4	2.2	9.8	458.3	28.6	1005.6	0.2	1.5
SMDH 00154	38.9	83.1	162.2	19.3	68.4047	12.3333	1.61133	8.8	1.2	6.5	1.1	3.1	0.6	3.5	0.3	28.8	2.4	14.2	593.4	25.7	2392.9		
SMDH 00154	32.6	70.1	161.5	16.3	59.1295	10.9501	1.72643	8.4	1.2	7.1	1.3	3.5	0.6	3.6	0.3	28.5	2.2	12.1	497.5	30.0	3759.4		1.3
SMDH 00154	46.9	43.2	117.6	11.5	45.2167	10.7196	2.5321	8.6	1.4	9.0	1.7	4.7	0.8	4.7	0.6	13.9	1.5	10.5	430.6	28.6	4111.2		
SMDH 00154	83.6	34.7	78.7	11.3	49.8543	13.1401	3.79814	12.5	2.1	13.9	2.6	6.8	1.1	6.7	0.8	5.1	1.1	10.4	457.4	32.9	6841.4	0.3	
SMDH 00154	77.4	32.1	76.9	10.4	46.3761	11.757	3.56795	11.5	2.0	13.1	2.5	6.6	1.0	6.6	0.8	5.5	1.1	10.4	430.5	30.0	5882.0		1.8
SMDH 00154	75.2	32.4	75.7	10.2	46.3761	11.1806	3.33776	11.2	1.9	12.6	2.6	6.2	1.0	5.9	0.8	4.8	0.9	10.0	412.1	38.6	5986.9		
SMDH 00154	73.3	39.9	89.8	11.4	48.6949	11.8722	2.87738	10.2	1.6	12.0	2.5	6.5	1.0	6.7	0.9	9.2	1.1	9.1	384.4	31.5	4644.7		
SMDH 00154	47.0	95.2	195.2	22.1	79.9987	13.8317	1.61133	8.9	1.2	7.4	1.6	4.1	0.7	4.8	0.6	34.4	2.2	8.5	371.6	21.5	1022.0	0.3	1.6
SMDH 00154	49.6	77.3	158.8	18.0	64.9265	10.9501	1.49624	7.3	1.1	7.3	1.6	4.5	0.8	5.0	0.7	26.7	2.4	9.4	415.5	24.3	1055.4		
SMDH 00155	28.5	140.3	299.2	34.7	122.897	21.3239	0.57548	11.9	1.3	5.6	0.9	2.3	0.3	2.6	0.3	58.8	4.1	25.7	1097.0	11.4	1431.0		
SMDH 00155	24.0	76.4	178.1	18.0	67.2453	10.8348	0.92076	7.1	0.8	4.6	0.9	2.2	0.3	2.6	0.3	33.4	2.5	13.8	597.3	32.9	1758.2		1.4

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00155	34.6	80.8	159.9	18.7	69.5641	11.757	1.26605	7.8	0.9	5.8	1.1	3.0	0.3	3.2	0.3	28.7	2.0	10.5	459.7	34.3	1366.5	1.6	
SMDH 00155	30.9	83.7	171.6	19.3	68.4047	11.1806	1.49624	7.3	0.9	5.0	1.0	2.6	0.3	3.1	0.3	31.1	1.9	8.3	345.5	25.7	1038.5		
SMDH 00155	44.9	89.1	178.1	20.3	71.8829	12.6791	1.72643	7.6	1.2	6.8	1.5	4.3	0.8	5.1	0.7	30.0	2.2	7.9	341.2	24.3	876.7		1.5
SMDH 00155	37.8	70.6	146.0	16.7	56.8107	9.91272	1.38114	6.3	0.9	6.2	1.3	3.7	0.6	4.0	0.6	25.6	1.7	7.1	300.6	22.9	909.8		
SMDH 00155	25.0	61.0	123.7	14.2	49.8543	8.64482	1.26605	5.4	0.7	4.1	0.8	2.2	0.3	2.5	0.3	22.3	1.5	7.3	325.0	17.2	745.6	0.3	
SMDH 00155	27.5	74.1	153.3	17.2	60.2889	11.0654	1.38114	6.6	0.9	4.8	1.0	2.5	0.3	2.6	0.3	27.1	2.6	7.0	308.0	18.6	716.9		1.6
SMDH 00155	39.4	78.1	165.7	18.1	64.9265	11.9875	1.49624	7.0	0.9	6.4	1.4	4.0	0.7	4.5	0.7	27.4	1.8	9.0	380.1	20.0	918.2		
SMDH 00155	44.2	71.5	145.2	16.3	55.6513	9.91272	1.61133	6.2	0.9	6.6	1.5	4.6	0.7	4.9	0.8	24.4	1.5	8.6	375.8	18.6	938.8	0.1	1.6
SMDH 00155	23.1	62.7	126.6	14.2	49.8543	8.52955	1.72643	4.8	0.6	3.8	0.7	2.3	0.3	2.6	0.3	21.6	1.2	8.0	366.1	15.7	905.4		
SMDH 00155	48.7	86.0	167.3	19.6	67.2453	11.8722	1.72643	7.1	1.1	7.2	1.6	4.7	0.8	5.6	0.7	26.9	2.0	10.5	448.2	32.9	994.2		
SMDH 00155	14.6	39.4	75.7	8.5	27.8256	4.8411	1.72643	2.9	0.3	2.3	0.3	1.5	0.3	1.7	0.3	11.7	0.9	10.1	457.2	32.9	1285.0		1.5
SMDH 00155	33.2	77.8	160.9	18.1	61.4483	10.028	1.49624	6.1	0.8	5.4	1.0	3.1	0.3	3.5	0.3	27.0	1.7	9.2	396.1	18.6	1038.5	0.2	
SMDH 00155	41.3	73.2	145.1	14.7	57.9701	9.3364	1.38114	5.7	0.9	6.3	1.4	4.1	0.7	4.5	0.7	23.7	1.8	10.6	456.7	18.6	846.3		
SMDH 00155	41.3	73.2	145.1	14.7	57.9701	9.3364	1.38114	5.7	0.9	6.3	1.4	4.1	0.7	4.5	0.7	23.7	1.8	10.6	456.7	18.6	846.3		
SMDH 00156	33.3	130.6	305.4	31.6	113.621	20.056	0.92076	11.8	1.4	7.0	1.1	3.0	0.3	3.0	0.3	58.4	4.4	25.0	1086.3	11.4	645.9		
SMDH 00156	32.7	86.6	192.4	20.1	70.7235	13.1401	1.49624	8.1	1.1	6.1	1.0	2.9	0.3	3.0	0.3	33.7	2.7	12.1	555.0	17.2	852.1		1.6
SMDH 00156	46.1	90.3	191.1	22.1	74.2017	13.947	1.84152	9.7	1.5	8.4	1.5	4.0	0.7	4.5	0.7	37.4	3.1	9.1	453.5	22.9	925.5		
SMDH 00156	44.7	74.9	157.1	17.9	61.4483	11.6417	1.84152	9.6	1.2	7.3	1.5	3.9	0.6	4.3	0.7	28.8	2.1	9.9	437.9	21.5	812.2	0.7	
SMDH 00156	46.6	89.7	184.3	21.1	74.2017	13.4859	1.72643	9.1	1.3	7.3	1.5	4.0	0.7	4.3	0.6	35.5	2.4	9.6	430.0	21.5	845.6		1.5
SMDH 00156	26.1	100.8	207.9	24.4	83.4769	14.6386	1.72643	8.4	0.9	4.8	0.9	2.5	0.3	2.8	0.3	42.2	1.5	8.1	345.0	12.9	773.7		
SMDH 00156	28.0	100.8	211.1	24.1	85.7957	15.2149	1.49624	8.8	1.1	5.2	0.9	2.4	0.3	2.6	0.3	41.2	2.1	9.4	416.6	15.7	685.4		
SMDH 00156	25.0	83.8	171.2	19.8	70.7235	11.757	1.49624	7.4	0.9	4.9	0.9	2.3	0.3	2.3	0.3	33.4	1.9	9.1	384.0	25.7	840.9	0.9	1.5
SMDH 00156	23.6	62.4	130.2	15.1	52.1731	8.87535	1.61133	5.3	0.7	3.9	0.8	2.2	0.3	2.6	0.3	24.4	1.4	5.9	255.2	20.0	767.3		
SMDH 00156	35.2	76.7	160.9	18.9	67.2453	12.218	1.26605	7.8	0.9	5.6	1.1	3.4	0.7	4.3	0.7	32.4	2.0	7.1	304.5	17.2	698.0		
SMDH 00156	22.8	57.4	119.9	14.3	49.8543	8.87535	1.03586	6.1	0.7	3.9	0.7	1.8	0.3	2.0	0.3	22.3	1.7	6.1	270.2	24.3	741.2		1.4
SMDH 00156	29.9	66.6	140.8	16.2	57.9701	11.0654	1.49624	6.6	0.8	5.5	1.0	2.9	0.3	2.8	0.3	27.3	2.1	7.3	318.9	18.6	668.5	0.3	
SMDH 00156	37.4	57.9	121.8	14.2	49.8543	9.45167	1.26605	6.4	0.9	6.0	1.3	3.3	0.6	4.0	0.6	21.9	1.8	6.8	289.3	21.5	731.6		
SMDH 00156	29.5	63.0	121.5	14.8	52.1731	9.45167	1.49624	6.4	0.9	5.3	1.0	2.5	0.3	2.6	0.3	18.2	2.0	7.1	306.1	34.3	830.4		1.5
SMDH 00156	28.0	60.2	133.7	16.3	60.2889	13.8317	1.49624	10.7	1.4	6.4	0.9	2.2	0.3	2.4	0.3	19.1	2.4	7.7	333.1	37.2	1168.9		
SMDH 00157	22.7	108.0	236.5	26.7	98.5491	16.9438	0.80567	10.4	1.2	4.9	0.8	1.8	0.3	1.9	0.3	54.3	3.3	19.9	858.8	15.7	632.8	0.9	
SMDH 00157	25.7	80.6	177.6	20.1	71.8829	12.7943	1.49624	7.8	0.9	4.7	0.8	2.2	0.3	2.3	0.3	35.7	1.5	10.7	490.3	14.3	916.6		1.5
SMDH 00157	5.1	18.5	37.0	4.3	15.0722	2.65108	0.80567	1.6	0.3	0.9	0.3	0.3	0.3	0.6	0.3	8.6	0.7	10.3	437.5	11.4	927.1		
SMDH 00157	3.8	9.6	17.2	1.9	6.95641	0.92211	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	1.7	0.3	3.4	155.3	11.4	702.4		
SMDH 00157	2.5	8.5	17.1	1.8	5.79701	0.92211	1.49624	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.2	0.3	7.0	332.7	11.4	752.6	0.6	1.6
SMDH 00157	3.8	18.2	35.0	4.0	13.9128	2.07476	1.38114	1.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	5.3	0.7	9.2	412.7	12.9	660.1		
SMDH 00157	9.3	75.8	156.3	18.0	62.6077	9.79746	1.49624	5.7	0.6	2.4	0.3	0.8	0.3	0.6	0.3	31.6	0.9	6.1	267.7	11.4	703.8		
SMDH 00157	14.4	53.7	106.5	13.1	45.2167	7.7227	1.26605	5.3	0.6	3.3	0.6	1.1	0.3	1.1	0.3	16.2	1.3	6.1	254.6	18.6	680.9		1.6
SMDH 00157	16.0	137.6	280.3	32.9	114.781	17.4049	1.26605	10.8	1.1	4.5	0.6	1.1	0.3	1.0	0.3	59.1	1.5	12.5	566.0	27.2	1109.1	0.6	
SMDH 00157	22.7	110.5	231.9	27.7	98.5491	17.6354	1.26605	10.8	1.3	5.3	0.8	1.9	0.3	1.8	0.3	52.6	1.9	9.2	431.4	11.4	831.3		
SMDH 00157	30.0	80.2	172.2	20.9	76.5205	13.1401	1.15095	9.9	1.3	6.1	1.1	2.4	0.3	2.6	0.3	38.4	1.9	8.6	387.3	17.2	931.6		1.5
SMDH 00157	30.2	70.1	150.6	17.8	62.6077	12.1027	1.26605	8.0	1.2	5.7	1.0	2.4	0.3	2.6	0.3	29.2	2.8	9.6	404.8	28.6	835.8		
SMDH 00157	27.8	56.7	115.4	14.2	48.6949	9.45167	1.15095	6.6	0.9	5.3	1.0	2.2	0.3	2.4	0.3	18.3	2.6	6.6	293.0	20.0	690.0	0.5	
SMDH 00157	10.5	68.3	141.9	16.3	59.1295	9.10587	1.61133	5.6	0.6	2.4	0.3	0.9	0.3	0.8	0.3	29.9	1.2	7.7	330.1	10.0	655.9		1.7
SMDH 00158	34.3	161.1	348.8	39.3	134.491	25.4734	1.38114	15.0	1.8	8.0	1.3	3.4	0.3	3.3	0.3	79.6	3.2	24.5	1075.9	18.6	909.8		
SMDH 00158	21.2	84.6	211.9	20.8	71.8829	13.4859	1.49624	8.1	1.1	4.7	0.8	1.9	0.3	1.9	0.3	45.2	1.8	10.5	457.9	20.0	958.7		
SMDH 00158	22.6	110.2	238.4	26.2	91.5927	16.5981	1.61133	10.8	1.1	5.0	0.8	2.2	0.3	1.9	0.3	52.6	1.8	9.4	437.7	18.6	998.6	0.6	1.5
SMDH 00158	31.7	112.4	244.3	26.9	95.0709	16.9438	1.72643	10.4	1.2	6.0	1.0	3.2	0.3	3.3	0.6	52.0	1.7	11.3	519.5	15.7	938.8		
SMDH 00158	18.4	105.2	231.2	23.5	84.6363	13.7164	1.38114	8.4	0.9	4.0	0.7	1.8	0.3	1.8	0.3	47.0	1.2	9.4	431.7	12.9	872.2		
SMDH 00158	20.8	116.6	245.3	28.3	97.3897	16.0217	1.49624	10.2	1.1	4.5	0.8	2.1	0.3	2.0	0.3	50.5	1.5	10.3	433.7	15.7	944.6	0.7	
SMDH 00158	20.8	87.3	179.9	19.9	70.7235	12.6791	1.38114	7.3	0.9	4.4	0.7	1.8	0.3	1.8	0.3	39.3	1.3	8.5	384.6	15.7	812.2		
SMDH 00158	17.4	68.2	140.6	15.6	53.3325	10.028	1.61133	6.3	0.7	3.6	0.6	1.6	0.3	1.5	0.3	29.6	1.4	8.5	390.8	21.5	874.3		1.6
SMDH 00158	13.1	56.0	118.3	13.2	46.3761	8.29903	1.49624	5.2	0.6	2.7	0.3	1.4	0.3	1.3	0.3	26.5	1.1	9.0	417.1	18.6	885.5		
SMDH 00158	9.3	63.9	135.1	14.4	53.3325	9.56693	1.61133	5.2	0.6	2.3	0.3	0.9	0.3	0.7	0.3	27.3	0.8	4.2	189.1	14.3	748.0	0.3	
SMDH 00158	13.4	89.0	189.4	20.8	71.8829	13.947	1.61133	8.1	0.8	3.2	0.3	1.0	0.3	1.0	0.3	41.5	1.7	11.7	521.5	10.0	597.1		1.6
SMDH 00158	5.3	40.9	84.0	8.8	30.1444	5.07163	1.84152	3.3	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.1	0.7	9.4	427.1	17.2	996.5		
SMDH 00158	7.6	97.9	205.9	22.1	76.5205	13.6012	1.72643	7.7	0.7	2.2	0.3	0.6	0.3	0.3	0.3	41.1	1.4	10.7	498.4	17.2	1051.9		
SMDH 00158	6.2	87.5	192.0	14.4	54.4919	11.4112	1.49624	4.8	0.3	1.6	0.3	0.3	0.3	0.3	0.3	26.0	0.8	9.6	428.3	17.2	983.2	0.4	1.5
SMDH 00158	6.3	53.8	108.8	12.1	42.8979	7.03112	1.38114	4.4	0.3	1.7	0.3	0.6	0.3	0.3	0.3	25.3	0.8	9.8	438.2	8.6	574.9		
SMDH 00158	11.2	130.2	268.8	29.1	100.868	16.8286	1.72643	9.7	0.9	3.4	0.3	0.9	0.3	0.6	0.3	53.8	1.2	11.8	510.7	22.9	1093.2		1.7
SMDH 00159	61.1	254.1	552.3	67.3	241.156	34.6945	1.61133	25.4	2.6	12.8	2.2	5.0	0.7	5.1	0.7	125.3	5.5	34.1	1588.3	14.3	417.4		
SMDH 00159	37.4	114.5	264.4	29.4	103.187	14.2928	1.95662	11.2	1.2	7.6	1.5	3.7	0.6	3.8	0.6	51.7	2.2	7.5	343.6	21.5	792.6		
SMDH 00159	44.0	111.1	232.7	28.0	97.3897	15.4454	2.07171	11.3	1.3	7.7	1.6	3.9	0.6	4.3	0.6	49.2	2.2	9.4	423.1	18.6	526.0		1.3
SMDH 00159	45.2	148.2	304.9	37.2	129.853	19.4797	2.30191	14.4	1.6	9.0	1.7	3.9	0.7	3.4	0.3	60.8	2.1	9.9	462.9	42.9	699.4	1.7	
SMDH 00159	7.5	53.5	104.4	12.1	38.2603	7.03112	2.18681	3.8	0.3	1.6	0.3	0.9	0.3	0.6	0.3	18.2	0.6	6.4	274.9	17.2	595.4		
SMDH 00159	29.7	124.9	261.5	31.9	99.7085	19.0186	1.72643	11.6	1.4	6.2	1.0	3.4	0.3	2.8	0.3	51.9	1.8	14.2	557.9	20.0	710.1		1.5
SMDH 00159	33.7	136.7	282.5	33.6	110.143	18.0965	1.61133	12.5	1.4	6.4	1.3	4.0	0.3	3.6	0.3	56.7	1.9	12.1	459.5	15.7	692.6		
SMDH 00159	24.7	126.3	275.5	32.3	99.7085	18.0965	1.61133	11.5	1.2	5.0	0.9	2.7	0.3	2.3	0.3	51.9	1.7	10.7	474.5	18.6	939.5	1.4	
SMDH 00159	13.3	72.5	148.6	18.3	57.9701	10.2585	1.49624	6.0	0.8	2.6	0.3	1.4	0.3	1.1	0.3	28.2	0.8	9.2	371.2	12.9	941.6		
SMDH 00159	32.6	125.1	268.7	32.8	106.665	20.1712	1.61133	12.3	1.6	6.4	1.3	3.7	0.3	2.5	0.3	53.7	1.5	12.7	467.8	17.2	747.7		
SMDH 00159	23.4	113.7	238.4	28.5	91.5927	16.0217	1.84152	9.9	1.3	5.3	0.9	2.3	0.3	2.3	0.3	47.9	1.3	10.8	408.3	21.5	692.6		
SMDH 00159	36.8	141.8	296.4	35.7	111.303	21.2086	1.61133	12.9	1.6	6.9	1.5	4.1	0.6	3.8	0.3	59.5	1.8	13.1	527.9	15.7	1173.3	0.8	1.6

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00159	34.0	131.3	273.8	32.9	104.346	19.3644	1.72643	11.7	1.3	6.0	1.3	3.9	0.3	3.9	0.6	54.3	1.7	11.6	431.7	14.3	712.4		
SMDH 00159	18.6	94.7	196.2	22.8	82.3175	11.6417	1.72643	7.3	0.7	3.7	0.7	1.5	0.3	1.8	0.3	39.7	1.2	15.1	507.9	17.2	1119.6		
SMDH 00159	17.7	104.1	219.2	25.2	88.1145	12.1027	1.61133	8.1	0.8	4.0	0.6	1.4	0.3	1.4	0.3	42.7	1.5	21.9	823.2	20.0	974.8		1.6
SMDH 00159	24.2	122.0	256.1	29.5	100.868	13.4859	1.72643	10.1	1.1	4.2	0.9	2.1	0.3	2.2	0.3	48.0	1.4	14.3	472.4	18.6	906.8	0.5	
SMDH 00160	24.2	79.8	167.8	18.4	63.7671	10.6043	0.69057	6.9	0.8	4.5	0.8	2.7	0.3	2.4	0.3	34.8	1.8	11.7	559.1	21.5	483.5	0.4	
SMDH 00160	32.3	106.1	226.2	24.1	84.6363	13.8317	1.49624	9.2	1.2	6.3	1.1	3.3	0.3	3.0	0.3	46.4	2.0	13.9	620.0	18.6	792.6		
SMDH 00160	29.5	108.7	219.7	25.1	84.6363	14.1775	1.61133	9.4	1.2	5.6	1.0	3.4	0.3	2.7	0.3	43.3	1.2	7.5	340.4	14.3	752.6		1.4
SMDH 00160	15.8	64.6	135.4	14.7	52.1731	8.41429	1.61133	5.4	0.6	3.1	0.6	1.8	0.3	1.5	0.3	24.5	0.8	7.3	340.8	12.9	681.1		
SMDH 00160	17.0	95.7	201.0	21.5	74.2017	11.8722	1.49624	7.1	0.8	3.2	0.6	1.8	0.3	1.6	0.3	36.7	0.9	7.9	362.4	14.3	769.4		1.7
SMDH 00160	31.6	185.3	407.6	48.6	100.868	14.0622	1.38114	8.7	0.9	4.8	0.9	2.7	0.3	2.4	0.3	69.2	1.2	9.6	413.8	14.3	975.5		
SMDH 00160	15.2	103.7	217.3	23.5	83.4769	12.7943	1.38114	7.1	0.8	3.3	0.6	1.5	0.3	1.1	0.3	39.5	1.2	11.2	510.5	15.7	950.2	0.3	
SMDH 00160	16.9	125.2	257.6	29.8	100.868	15.2149	1.61133	9.2	0.8	3.6	0.6	1.4	0.3	1.3	0.3	49.4	1.3	9.8	411.6	10.0	744.2		
SMDH 00160	25.0	127.9	266.7	29.8	102.027	15.9065	1.72643	9.5	1.1	4.7	0.9	2.4	0.3	2.7	0.3	51.7	1.3	8.4	373.4	12.9	746.3		
SMDH 00160	21.9	116.1	244.7	26.9	92.7521	14.9844	1.61133	8.5	0.9	4.1	0.8	2.1	0.3	2.0	0.3	46.2	1.2	8.4	356.3	10.0	681.1	0.3	1.7
SMDH 00161	48.8	120.5	240.2	27.6	93.9115	17.2896	1.38114	11.5	1.4	8.2	1.6	4.1	0.7	4.3	0.8	47.9	3.3	24.5	1072.5	15.7	824.1		
SMDH 00161	34.2	108.2	255.2	25.5	85.7957	14.8691	1.61133	8.9	1.2	6.2	1.3	3.4	0.6	3.6	0.6	48.8	2.6	15.4	655.1	21.5	1057.5		
SMDH 00161	25.5	95.8	196.7	22.7	78.8393	12.9096	1.61133	8.2	1.1	4.9	0.9	2.3	0.3	2.0	0.3	40.3	1.8	9.8	423.2	15.7	1030.1		1.6
SMDH 00161	50.8	101.4	200.4	25.6	86.9551	15.2149	1.72643	10.2	1.3	8.1	1.7	4.6	0.8	4.3	0.7	40.4	2.2	9.7	396.5	22.9	937.2	0.7	
SMDH 00161	32.1	93.1	197.4	22.3	76.5205	13.1401	1.72643	9.1	1.1	5.8	1.1	3.0	0.3	2.7	0.3	39.3	2.1	9.2	381.3	21.5	901.9		
SMDH 00161	42.6	127.4	246.1	30.4	103.187	16.7133	2.07171	10.8	1.4	7.7	1.6	3.5	0.6	3.9	0.6	41.2	2.5	9.9	438.5	42.9	988.1		1.6
SMDH 00161	36.1	93.3	194.4	23.1	79.9987	12.9096	1.61133	8.7	1.2	6.3	1.3	3.2	0.6	3.4	0.6	37.2	2.1	15.4	674.6	30.0	1185.7		
SMDH 00161	25.5	67.8	137.1	16.3	57.9701	9.91272	1.72643	6.4	0.8	4.8	0.9	2.1	0.3	2.4	0.3	23.1	1.5	5.7	248.4	24.3	876.7	0.4	
SMDH 00161	36.0	100.0	198.5	22.9	77.6799	11.6417	1.38114	7.7	1.1	6.2	1.3	3.0	0.3	3.3	0.3	36.6	1.8	12.6	551.3	18.6	906.1		1.7
SMDH 00161	42.2	113.2	222.6	25.5	86.9551	11.9875	1.26605	8.1	1.2	7.3	1.6	4.0	0.7	4.4	0.7	38.2	1.5	13.3	575.3	11.4	817.8		
SMDH 00161	47.9	144.7	287.6	33.3	112.462	15.9065	1.72643	10.7	1.4	8.2	1.7	4.1	0.7	4.5	0.8	53.5	1.5	13.7	595.7	21.5	958.7		
SMDH 00161	41.1	164.8	315.5	37.6	128.694	19.2491	2.07171	12.1	1.4	7.7	1.6	3.8	0.6	4.1	0.7	57.5	2.0	14.2	601.1	20.0	1082.7	0.4	1.7
SMDH 00161	31.7	111.0	216.3	24.6	85.7957	11.5264	1.49624	7.6	0.9	5.5	1.1	3.0	0.3	3.1	0.3	39.6	1.7	13.3	577.2	14.3	822.0		
SMDH 00161	31.7	111.0	216.3	24.6	85.7957	11.5264	1.49624	7.6	0.9	5.5	1.1	3.0	0.3	3.1	0.3	39.6	1.7	13.3	577.2	14.3	822.0		
SMDH 00162	32.1	114.8	239.3	29.5	104.346	14.6386	1.26605	10.7	1.3	6.0	1.1	2.9	0.3	3.5	0.3	52.1	2.8	41.3	1450.8	14.3	644.0		
SMDH 00162	32.1	109.4	220.1	27.5	93.9115	14.0622	2.07171	10.3	1.2	5.8	1.3	2.6	0.3	3.1	0.3	43.3	2.1	19.9	681.7	18.6	1131.3		
SMDH 00162	20.3	98.6	200.1	23.8	83.4769	12.218	1.72643	8.4	0.9	4.5	0.8	1.5	0.3	1.5	0.3	39.4	1.8	16.9	584.6	15.7	791.6		
SMDH 00162	36.6	107.2	225.6	26.2	91.5927	14.9844	1.61133	10.9	1.3	6.9	1.4	3.2	0.6	3.9	0.3	43.8	2.8	14.2	512.9	20.0	851.2	1.3	
SMDH 00162	42.7	104.6	218.8	25.8	91.5927	14.408	1.49624	10.9	1.5	7.7	1.5	3.4	0.6	3.9	0.3	42.8	2.5	15.4	512.9	18.6	838.8		
SMDH 00162	49.0	120.3	240.1	29.8	104.346	15.7912	2.07171	11.7	1.5	8.5	1.7	4.1	0.7	5.0	0.6	44.1	2.4	19.0	641.5	35.8	965.9		
SMDH 00162	37.6	123.2	253.4	29.1	88.1145	15.5607	2.07171	11.8	1.4	8.1	1.6	4.0	0.6	3.8	0.3	41.5	2.2	10.5	454.7	45.8	992.3		
SMDH 00162	47.3	97.9	205.9	23.1	74.2017	13.2554	1.84152	10.0	1.4	8.0	1.7	5.0	0.8	4.8	0.6	40.3	2.2	9.0	417.1	31.5	730.0	0.9	1.5
SMDH 00162	47.5	93.9	199.2	22.9	71.8829	13.1401	1.84152	10.8	1.4	8.4	1.7	4.8	0.8	4.7	0.7	34.9	2.2	9.2	415.9	31.5	755.9		
SMDH 00162	34.1	107.9	229.0	26.3	81.1581	14.408	1.95662	11.0	1.2	6.0	1.3	3.7	0.6	3.4	0.3	42.4	1.9	7.8	360.7	21.5	680.9		
SMDH 00162	43.5	99.8	216.3	24.4	76.5205	13.1401	1.61133	11.2	1.3	7.2	1.7	4.9	0.8	5.0	0.7	39.7	2.4	9.6	435.9	27.2	897.2		1.7
SMDH 00162	37.9	78.9	163.3	19.8	67.2453	11.8722	1.38114	8.0	1.2	6.3	1.5	4.5	0.6	4.0	0.7	34.9	1.9	8.6	359.4	27.2	764.8	0.8	
SMDH 00162	38.1	76.4	159.7	19.8	67.2453	13.0249	1.38114	8.4	1.1	6.3	1.5	4.3	0.6	4.1	0.8	32.4	2.0	10.1	396.1	21.5	666.9		
SMDH 00162	36.6	77.6	162.2	19.9	67.2453	12.4485	1.49624	8.1	1.1	6.3	1.4	4.1	0.6	3.6	0.6	34.8	1.9	8.1	326.4	22.9	743.5		1.8
SMDH 00162	46.1	95.5	202.1	25.3	83.4769	14.7538	1.38114	10.5	1.4	8.4	1.8	5.2	0.7	4.4	0.7	42.6	2.8	11.6	471.8	25.7	941.1		
SMDH 00162	42.2	89.8	188.5	24.1	79.9987	14.0622	1.26605	9.5	1.3	7.8	1.6	4.5	0.6	3.6	0.7	41.3	3.2	8.3	359.2	27.2	1115.4	0.8	
SMDH 00163	46.8	149.0	309.4	34.3	122.897	22.1307	1.26605	13.6	1.6	8.6	1.7	4.1	0.7	4.4	0.7	59.5	4.2	30.8	1276.5	20.0	659.0		
SMDH 00163	42.7	105.3	183.6	23.5	82.3175	14.6386	1.95662	9.9	1.3	7.0	1.5	3.5	0.6	3.4	0.3	34.2	1.9	10.8	458.9	17.2	805.9		1.6
SMDH 00163	14.3	36.2	72.1	8.4	28.985	4.8411	0.69057	3.6	0.3	2.5	0.3	1.1	0.3	1.4	0.3	13.6	0.8	4.2	176.1	10.0	330.5	0.9	
SMDH 00163	22.9	124.1	255.1	28.8	100.868	17.0591	1.61133	10.3	1.2	5.2	0.8	1.7	0.3	1.5	0.3	47.1	2.0	11.4	467.9	20.0	1052.3		
SMDH 00163	28.3	91.1	187.1	21.3	74.2017	13.4859	1.26605	8.4	1.1	5.0	1.0	2.4	0.3	2.4	0.3	35.1	2.0	8.3	355.0	18.6	987.4		1.7
SMDH 00163	40.6	122.4	252.4	28.1	100.868	17.7507	1.72643	11.6	1.3	7.2	1.5	3.5	0.6	3.5	0.6	48.2	2.9	11.9	487.4	21.5	1084.8		
SMDH 00163	67.0	96.4	200.3	24.6	83.4769	14.8691	1.61133	10.4	1.5	9.9	1.9	8.4	0.9	6.4	0.9	38.8	2.5	10.6	431.3	22.9	1179.9		1.6
SMDH 00163	43.1	102.6	210.4	25.1	89.2739	15.2149	1.72643	9.9	1.3	7.6	1.5	3.7	0.6	3.6	0.3	40.0	2.1	11.4	559.6	22.9	988.1		
SMDH 00163	36.1	62.9	128.9	15.3	53.3325	8.99061	1.03586	6.1	0.8	5.5	1.3	3.3	0.6	3.5	0.3	24.0	1.5	9.7	415.8	17.2	815.7		
SMDH 00163	36.8	80.6	164.6	19.1	68.4047	10.489	1.15095	6.9	0.9	5.8	1.3	3.4	0.6	4.0	0.6	32.6	1.7	11.6	508.6	15.7	845.1	0.4	1.6
SMDH 00163	40.0	91.6	188.5	21.9	78.8393	13.1401	1.61133	8.9	1.2	6.6	1.4	3.4	0.6	3.4	0.3	35.4	2.8	11.2	506.1	22.9	939.7		
SMDH 00163	44.7	88.8	183.0	21.1	75.3611	13.0249	1.61133	8.4	1.2	7.1	1.5	3.9	0.7	4.0	0.3	35.2	2.9	10.6	469.3	22.9	893.5		
SMDH 00163	29.9	66.6	136.9	16.3	56.8107	9.79746	1.61133	6.3	0.8	5.3	1.0	2.6	0.3	2.7	0.3	26.0	2.1	7.5	325.5	15.7	611.8		1.6
SMDH 00163	40.4	75.6	154.2	18.1	62.6077	10.9501	1.61133	7.7	0.9	6.3	1.4	3.8	0.7	4.1	0.6	28.6	2.4	7.4	357.2	27.2	786.3	0.3	
SMDH 00163	43.7	83.1	177.3	19.9	71.8829	12.7943	1.61133	8.4	1.2	7.1	1.6	4.0	0.7	4.2	0.6	32.5	3.1	11.2	477.6	24.3	826.2		
SMDH 00164	36.6	124.4	262.1	33.4	115.94	18.5575	1.38114	11.5	1.5	7.3	1.4	3.8	0.6	3.5	0.7	56.4	3.9	22.5	890.9	17.2	1139.0		
SMDH 00164	31.3	88.8	183.3	23.2	81.1581	13.7164	1.49624	9.3	1.2	6.4	1.1	3.4	0.3	3.1	0.3	38.5	2.5	10.3	444.1	27.2	873.4		
SMDH 00164	32.3	69.0	142.0	17.9	61.4483	10.3738	1.26605	7.8	1.1	5.8	1.1	3.7	0.6	3.2	0.7	29.3	2.2	7.5	310.4	27.2	640.3	1.6	
SMDH 00164	21.4	46.9	92.1	11.3	35.9414	7.7227	1.26605	5.2	0.7	4.2	0.7	2.2	0.3	1.8	0.3	17.3	1.3	5.1	215.3	20.0	699.8		
SMDH 00164	34.6	75.9	151.4	18.4	60.2889	12.1027	1.72643	8.9	1.1	6.5	1.4	3.8	0.3	2.8	0.3	29.6	2.5	9.7	395.2	24.3	925.5		
SMDH 00164	14.6	42.3	85.0	10.4	33.6226	6.68533	1.61133	4.8	0.3	3.1	0.6	1.5	0.3	1.4	0.3	17.4	1.2	5.0	228.6	15.7	667.1		1.5
SMDH 00164	31.9	81.3	161.5	19.5	71.8829	11.9875	1.49624	8.9	1.1	5.5	1.1	3.7	0.3	3.3	0.3	34.2	2.4	6.6	284.2	20.0	873.2	0.9	
SMDH 00164	26.5	67.1	132.8	16.2	57.9701	9.79746	1.72643	7.6	0.9	5.3	0.9	2.7	0.3	2.5	0.3	26.0	2.0	6.4	269.5	22.9	1020.3		
SMDH 00164	26.5	76.4	153.3	18.3	63.7671	10.6043	1.38114	8.4	0.9	5.3	0.8	2.4	0.3	2.5	0.3	31.0	2.4	6.4	260.0	22.9	925.5		1.4
SMDH 00164	17.2	101.6	200.4	23.8	83.4769	13.3707	1.49624	10.5	1.1	4.1	0.7	1.4	0.3	0.9	0.3	39.1	2.6	6.5	270.2	18.6	892.8		
SMDH 00164	20.0	88.0	177.5	21.5	74.2017	13.1401	1.95662	9.4	0.9	4.6	0.8	2.1	0.3	1.9	0.3	32.8	2.6	6.5	253.7	25.7	932.0	0.7	
SMDH 00164	27.1	76.1	152.4	18.1	60.2889	12.218	1.38114	8.9	1.1	5.3	0.8	2.6	0.3	2.0	0.3	29.9	2.5	9.8	377.5	25.7	1075.9		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00164	44.1	107.3	216.7	24.4	85.7957	15.9065	1.84152	12.0	1.4	8.5	1.5	3.7	0.6	3.6	0.3	39.6	4.1	9.3	423.1	34.3	1099.7		
SMDH 00164	58.0	96.8	197.0	22.6	78.8393	14.408	1.84152	11.1	1.5	9.9	2.1	5.2	0.9	5.9	0.8	37.1	4.4	10.4	437.8	31.5	1080.8		
SMDH 00164	78.4	137.2	287.3	32.7	117.1	19.7102	1.84152	17.4	2.2	14.0	2.6	7.2	1.4	9.0	1.2	56.0	5.4	9.8	437.1	31.5	1146.7	1.8	
SMDH 00165	43.1	194.7	391.7	47.0	162.316	27.6634	1.61133	16.5	1.9	8.6	1.6	4.1	0.7	4.1	0.6	77.0	4.8	25.4	1106.8	17.2	515.1		1.3
SMDH 00165	18.1	64.9	133.4	15.6	54.4919	9.45167	1.15095	5.5	0.7	3.3	0.7	1.7	0.3	1.7	0.3	26.6	1.7	11.0	484.3	17.2	694.9		
SMDH 00165	14.6	55.1	111.1	13.1	44.0573	7.49218	0.80567	4.9	0.3	2.7	0.6	1.5	0.3	1.6	0.3	21.6	1.8	9.7	407.4	15.7	703.1	0.8	
SMDH 00165	24.2	73.6	150.7	17.7	61.4483	10.8348	1.03586	6.9	0.8	4.5	0.9	2.6	0.3	3.0	0.3	30.5	2.5	11.2	497.1	15.7	801.2		1.4
SMDH 00165	18.5	57.9	119.4	14.1	48.6949	8.29903	1.15095	5.2	0.7	3.2	0.7	1.7	0.3	1.9	0.3	23.8	1.5	9.8	425.2	17.2	874.8		
SMDH 00165	13.7	46.5	92.5	10.8	37.1009	6.4548	1.26605	3.7	0.3	2.3	0.3	1.3	0.3	1.4	0.3	17.5	1.1	8.3	366.9	12.9	688.9		
SMDH 00165	10.3	21.2	41.3	4.7	16.2316	2.88161	1.49624	1.7	0.3	1.5	0.3	1.1	0.3	1.4	0.3	7.0	0.8	7.8	351.1	14.3	709.2	0.6	1.5
SMDH 00165	23.4	28.2	58.6	7.1	24.3474	4.38004	1.61133	2.9	0.3	3.2	0.8	2.3	0.3	3.1	0.3	10.4	1.2	5.7	221.4	15.7	692.8		
SMDH 00165	26.4	35.4	72.3	8.5	28.985	5.41742	1.72643	3.4	0.3	3.4	0.9	2.9	0.3	3.5	0.3	14.4	1.1	4.7	220.6	14.3	541.7		
SMDH 00166	37.6	163.4	323.0	38.2	139.128	22.9376	1.26605	14.7	1.6	8.2	1.4	3.3	0.3	3.0	0.3	70.0	4.5	15.9	692.3	12.9	478.4		1.4
SMDH 00166	14.8	60.8	125.6	14.5	49.8543	9.3364	1.84152	5.5	0.7	3.2	0.3	1.3	0.3	1.3	0.3	24.6	1.4	6.3	262.9	12.9	582.6	0.8	
SMDH 00166	22.7	48.7	98.4	11.4	40.5791	7.26165	1.26605	5.3	0.7	4.0	0.8	2.1	0.3	1.9	0.3	17.4	1.7	14.7	722.3	18.6	797.2		
SMDH 00166	33.8	31.7	67.2	8.4	30.1444	6.91585	1.38114	6.1	1.1	6.0	1.1	2.7	0.3	1.9	0.3	8.1	1.7	5.9	255.4	30.0	1093.4		1.5
SMDH 00166	13.9	54.1	111.3	12.9	45.2167	8.52955	1.26605	5.7	0.6	3.0	0.3	1.3	0.3	0.8	0.3	21.3	1.8	6.3	261.9	20.0	740.0		
SMDH 00166	13.1	31.1	65.1	7.4	25.5068	4.95636	0.92076	3.6	0.3	2.5	0.3	1.1	0.3	1.0	0.3	11.5	0.9	3.9	174.3	14.3	609.2		
SMDH 00166	27.0	61.6	134.6	16.5	55.6513	10.3738	1.61133	7.1	0.8	5.2	0.9	2.2	0.3	1.9	0.3	24.0	1.5	11.6	521.5	25.7	951.4		1.5
SMDH 00166	22.1	51.7	109.4	12.4	45.2167	8.87535	1.72643	5.6	0.7	4.0	0.7	1.9	0.3	1.6	0.3	19.1	1.3	7.3	324.2	21.5	1030.1		
SMDH 00166	67.7	106.5	223.2	26.2	91.5927	17.0591	2.30191	12.1	1.8	11.1	2.3	5.8	1.0	6.6	0.9	45.9	3.2	7.3	320.1	28.6	855.6		
SMDH 00166	55.5	96.0	202.4	22.7	82.3175	14.8691	1.49624	9.9	1.4	9.2	1.9	5.5	0.9	5.9	0.8	43.7	3.8	9.1	356.3	24.3	986.0	0.7	1.5
SMDH 00166	36.0	73.4	153.1	17.5	62.6077	11.2959	1.26605	7.2	1.1	6.2	1.3	3.2	0.6	3.5	0.3	29.6	2.4	6.7	288.8	20.0	962.9		
SMDH 00166	51.1	99.3	207.6	23.8	84.6363	16.0217	1.26605	10.5	1.4	8.7	1.7	4.5	0.8	4.7	0.7	43.0	3.2	7.5	321.0	28.6	1162.6		
SMDH 00166	51.2	103.6	209.1	23.8	83.4769	14.5233	1.03586	9.7	1.3	8.2	1.7	4.5	0.9	5.5	0.8	43.6	3.8	9.8	410.1	27.2	1139.5		1.5
SMDH 00166	61.2	102.9	209.5	23.9	82.3175	14.7538	0.92076	10.1	1.4	9.9	2.1	5.7	1.0	6.6	1.0	45.5	3.8	7.5	324.9	32.9	1053.3	0.7	
SMDH 00166	110.1	85.5	173.6	21.0	75.3611	13.6012	0.92076	10.4	2.0	15.0	3.5	9.9	1.8	12.0	1.7	35.0	3.2	10.5	470.8	27.2	1095.3		
SMDH 00166	45.9	70.7	132.8	15.4	53.3325	9.91272	1.49624	7.0	1.1	7.1	1.5	4.6	0.8	5.6	0.9	24.4	1.9	8.0	311.1	22.9	806.1		1.4
SMDH 00166	48.7	125.5	246.5	28.0	97.3897	17.6354	1.38114	11.2	1.5	8.9	1.6	4.6	0.8	5.6	0.9	52.1	3.1	12.6	488.2	24.3	1086.2		
SMDH 00166	24.6	155.8	314.9	36.7	127.534	23.0528	1.95662	13.6	1.5	6.5	0.9	1.7	0.3	1.1	0.3	71.1	4.1	11.3	436.6	15.7	871.8	0.4	
SMDH 00166	22.6	113.9	226.2	26.3	93.9115	16.8286	1.49624	10.1	1.2	5.8	0.7	1.5	0.3	1.0	0.3	48.2	2.9	9.0	336.6	14.3	764.5		1.7
SMDH 00167	28.1	69.1	133.5	15.1	53.3325	9.6822	0.92076	6.1	0.8	5.2	0.9	2.4	0.3	2.5	0.3	27.3	3.5	9.8	391.9	14.3	488.4		
SMDH 00167	44.0	87.3	169.4	19.2	68.4047	12.3333	1.84152	8.5	1.3	7.9	1.4	3.9	0.7	4.3	0.7	31.8	4.2	11.2	415.6	21.5	824.1		
SMDH 00167	53.6	76.6	149.0	16.8	60.2889	11.6417	1.95662	8.4	1.3	8.6	1.6	4.7	0.8	5.3	0.8	24.5	3.9	9.6	379.3	21.5	829.9	1.0	1.4
SMDH 00167	41.1	52.9	100.5	11.3	40.5791	7.7227	1.38114	5.8	0.9	6.3	1.3	3.5	0.6	3.9	0.7	18.1	3.3	5.4	204.4	18.6	671.1		
SMDH 00167	51.2	71.1	134.0	15.3	54.4919	10.2585	1.61133	7.1	1.2	8.5	1.5	4.7	0.8	4.9	0.9	23.8	3.8	7.8	286.2	27.2	1000.7		1.6
SMDH 00167	51.6	60.3	114.9	13.1	45.2167	8.87535	1.72643	6.3	1.2	8.2	1.5	4.2	0.7	4.4	0.7	19.8	3.5	6.5	249.9	20.0	822.0	0.8	
SMDH 00167	61.6	85.9	166.5	18.5	64.9265	11.5264	1.84152	8.8	1.4	10.5	1.8	5.0	0.9	5.7	0.9	29.3	4.5	9.8	369.4	28.6	1100.0		
SMDH 00167	50.6	67.3	133.1	14.8	51.0137	9.6822	1.72643	7.2	1.2	8.2	1.5	4.1	0.8	5.0	0.8	22.0	3.8	13.3	495.2	21.5	730.7		1.5
SMDH 00167	74.8	74.5	149.5	17.3	62.6077	12.6791	1.72643	10.0	1.9	12.5	2.3	5.8	0.9	5.9	1.0	21.0	4.0	9.2	362.8	31.5	955.1		
SMDH 00167	53.6	77.8	146.5	16.0	53.3325	9.56693	1.61133	7.6	1.2	8.6	1.6	4.9	0.8	5.6	0.9	26.6	4.2	8.1	328.6	24.3	951.2	0.6	
SMDH 00167	62.5	89.7	170.5	19.2	66.0859	13.8317	1.72643	9.4	1.6	10.9	1.8	5.1	0.9	6.0	1.0	30.1	4.8	9.7	364.9	30.0	1217.2		1.5
SMDH 00167	31.8	73.9	149.5	16.1	54.4919	9.22114	1.15095	6.1	0.9	5.4	1.0	2.7	0.3	3.3	0.6	26.3	3.8	16.2	653.0	20.0	895.6		
SMDH 00167	42.3	64.9	134.8	14.9	51.0137	10.028	1.61133	6.3	1.1	7.2	1.4	3.9	0.7	5.0	0.7	22.8	3.4	13.8	538.0	24.3	894.2		
SMDH 00167	48.4	70.4	147.6	16.6	56.8107	10.7196	1.72643	8.4	1.3	8.1	1.6	4.2	0.8	5.2	0.8	24.2	3.5	11.8	449.7	20.0	732.3	0.8	1.5
SMDH 00167	52.5	74.8	154.1	17.4	60.2889	11.9875	1.61133	8.2	1.3	8.8	1.6	4.3	0.7	5.0	0.7	26.1	4.0	12.6	523.0	20.0	767.1		
SMDH 00167	45.6	79.8	160.4	17.8	62.6077	11.2959	1.72643	7.7	1.2	7.4	1.5	3.8	0.7	4.7	0.6	26.7	3.2	13.6	526.7	31.5	896.1		
SMDH 00167	15.6	79.6	156.4	17.2	57.9701	8.99061	1.95662	5.5	0.6	3.1	0.3	1.0	0.3	1.1	0.3	33.7	1.8	6.8	275.0	18.6	782.5		1.6
SMDH 00167	11.5	76.1	149.1	16.0	55.6513	8.99061	2.417	4.9	0.6	2.5	0.3	0.8	0.3	0.7	0.3	31.5	1.2	2.4	95.1	12.9	474.2	0.6	
SMDH 00167	9.6	79.1	154.2	16.8	56.8107	9.91272	1.72643	5.0	0.3	2.4	0.3	0.7	0.3	0.3	0.3	33.4	1.3	2.0	74.3	7.2	266.1		
SMDH 00167	42.3	91.6	180.5	20.4	68.4047	11.4112	1.15095	8.0	1.2	7.4	1.4	4.0	0.7	5.0	0.8	35.0	3.3	10.4	401.3	21.5	915.9		1.5
SMDH 00167	46.9	91.0	178.5	19.0	68.4047	11.757	1.15095	7.7	1.2	7.9	1.6	4.2	0.8	5.5	0.7	34.6	3.5	7.5	293.3	24.3	1148.8		
SMDH 00167	67.7	122.2	241.8	26.5	92.7521	15.5607	1.03586	10.8	1.5	10.4	2.2	5.9	1.1	7.0	0.9	47.2	5.8	10.6	412.3	30.0	1289.7	41.0	
SMDH 00167	61.8	139.3	274.3	30.0	104.346	18.2117	1.15095	11.0	1.5	10.0	1.9	5.5	0.9	6.5	0.8	52.9	7.2	10.5	407.7	21.5	915.7		1.5
SMDH 00168	44.9	91.2	194.7	20.8	73.0423	13.2554	1.61133	8.5	1.2	7.7	1.4	3.5	0.7	4.4	0.6	34.1	2.7	14.4	563.8	18.6	1022.0		
SMDH 00168	39.3	79.9	164.4	18.4	63.7671	11.1806	1.72643	7.8	1.1	6.5	1.3	3.4	0.6	3.9	0.3	29.9	2.6	11.7	455.2	30.0	1173.3		
SMDH 00168	27.0	60.8	125.2	13.6	47.5355	8.18376	1.15095	5.7	0.8	4.7	0.9	2.4	0.3	2.7	0.3	23.7	2.1	8.3	333.0	18.6	807.3	1.9	1.6
SMDH 00168	13.6	76.7	158.7	17.5	60.2889	10.7196	1.26605	7.0	0.8	3.6	0.3	0.9	0.3	0.8	0.3	32.8	2.9	13.4	507.0	27.2	885.1		
SMDH 00168	14.7	81.6	176.7	19.0	67.2453	13.0249	1.38114	7.7	0.9	4.0	0.3	1.0	0.3	0.7	0.3	36.6	2.8	8.8	346.6	28.6	993.5		
SMDH 00168	20.7	87.9	180.5	20.9	76.5205	13.947	1.49624	9.7	1.2	5.0	0.7	1.4	0.3	0.9	0.3	38.6	2.9	8.1	323.4	31.5	867.8		1.5
SMDH 00168	17.2	83.5	169.5	19.5	71.8829	13.2554	1.49624	9.1	0.9	4.4	0.6	1.1	0.3	0.7	0.3	35.4	3.1	8.1	309.2	35.8	935.3	0.8	
SMDH 00168	52.6	98.6	204.1	23.5	85.7957	15.9065	1.38114	11.7	1.5	8.9	1.7	4.6	0.8	5.1	0.7	43.9	3.9	7.7	295.0	25.7	1030.6		
SMDH 00168	9.1	85.3	172.0	19.3	70.7235	11.0654	1.26605	7.3	0.6	2.6	0.3	0.7	0.3	0.3	0.3	35.0	2.0	9.0	345.8	17.2	841.9		1.4
SMDH 00168	3.7	22.5	42.6	4.8	18.5504	2.99687	1.49624	1.6	0.3	0.9	0.3	0.3	0.3	0.3	0.3	7.4	0.8	8.1	307.7	14.3	651.2		
SMDH 00168	7.1	64.6	108.5	13.0	46.3761	6.91585	1.72643	4.1	0.3	1.8	0.3	0.6	0.3	0.3	0.3	15.1	0.8	4.0	165.1	25.7	409.0	0.6	
SMDH 00168	11.3	45.6	91.3	10.2	35.9414	6.80059	0.80567	4.5	0.3	2.6	0.3	0.8	0.3	0.9	0.3	18.4	1.7	9.0	335.5	22.9	829.9		1.5
SMDH 00168	14.8	58.0	115.7	13.0	47.5355	7.60744	1.72643	4.8	0.6	3.1	0.3	1.3	0.3	1.3	0.3	24.2	0.8	3.1	134.1	12.9	550.1		
SMDH 00169	36.8	76.3	159.1	17.9	64.9265	11.0654	1.15095	7.1	0.9	6.4	1.3	3.3	0.6	3.5	0.3	29.1	2.4	12.5	533.8	17.2	787.2		
SMDH 00169	39.3	79.4	159.8	18.1	63.7671	11.1806	1.72643	6.6	0.9	6.6	1.4	3.3	0.6	3.8	0.6	27.6	2.1	11.9	518.4	28.6	1100.7		1.4
SMDH 00169	26.0	45.5	95.5	10.3	38.2603	6.33953	1.03586	4.2	0.6	4.2	0.9	2.3	0.3	2.6	0.3	18.1	1.4	6.5	279.8	14.3	704.0	1.5	
SMDH 00169	34.9	73.6	159.3	17.2	62.6077	10.7196	1.72643	6.8	0.9	6.2	1.3	3.0	0.3	3.2	0.3	29.4	1.8	7.3	309.6	24.3	1130.8		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00169	25.2	73.9	155.6	17.2	60.2889	10.2585	1.49624	6.3	0.8	4.8	0.9	2.3	0.3	2.5	0.3	30.4	1.9	8.7	372.7	18.6	831.6		1.5
SMDH 00169	28.0	55.1	114.0	12.6	44.0573	7.14638	1.03586	4.4	0.6	4.5	1.0	2.7	0.3	3.0	0.3	20.3	1.2	6.1	250.8	17.2	701.5		
SMDH 00169	32.6	68.8	136.2	15.6	55.6513	9.3364	1.72643	6.1	0.8	5.5	1.1	2.6	0.3	2.8	0.3	21.6	1.5	5.8	244.0	14.3	522.5	0.4	
SMDH 00169	29.8	74.0	150.3	17.9	62.6077	10.489	1.61133	7.4	0.9	5.3	1.0	2.4	0.3	2.3	0.3	31.2	2.5	5.0	203.3	20.0	658.5		
SMDH 00169	23.8	68.3	143.7	16.1	56.8107	10.3738	1.72643	6.1	0.9	4.9	0.8	1.8	0.3	1.5	0.3	28.2	3.4	4.6	175.7	28.6	706.4		1.6
SMDH 00169	37.6	69.5	146.7	16.2	57.9701	10.9501	1.38114	6.9	1.1	6.5	1.3	3.2	0.6	3.4	0.6	27.5	2.6	7.5	312.7	28.6	765.2		
SMDH 00170	36.8	52.8	106.9	12.0	45.2167	7.7227	1.38114	5.0	0.9	5.7	1.1	3.1	0.3	3.4	0.3	20.3	1.5	7.7	337.2	17.2	1010.5		
SMDH 00170	38.5	67.0	136.4	15.5	55.6513	9.79746	1.49624	6.3	1.1	6.2	1.3	3.2	0.6	3.6	0.6	27.6	2.1	10.0	420.6	18.6	1081.8	2.0	1.6
SMDH 00170	23.8	52.1	102.3	10.1	39.4197	6.33953	0.92076	4.1	0.6	3.7	0.7	2.1	0.3	2.2	0.3	17.6	1.5	9.3	399.6	22.9	717.4		1.7
SMDH 00170	26.7	73.6	148.6	15.4	60.2889	9.6822	1.15095	6.1	0.8	4.8	0.9	2.6	0.3	2.4	0.3	26.0	1.7	10.1	455.9	17.2	874.3		
SMDH 00170	33.3	80.3	159.2	16.3	64.9265	11.0654	1.26605	6.3	1.1	5.3	1.0	2.9	0.3	3.2	0.3	27.8	1.7	14.3	603.5	18.6	1059.8	3.0	
SMDH 00170	38.7	130.1	278.6	32.1	112.462	19.8254	1.49624	11.2	1.5	7.6	1.3	3.2	0.3	3.2	0.3	62.9	3.2	25.5	1116.2	20.0	1096.5		
SMDH 00170	18.8	80.2	158.8	18.6	67.2453	11.6417	1.03586	6.8	0.8	4.0	0.7	1.6	0.3	1.6	0.3	35.9	1.9	9.3	373.9	18.6	721.1		
SMDH 00170	18.6	88.9	183.1	21.0	73.0423	12.218	1.26605	7.1	0.9	4.0	0.6	1.5	0.3	1.6	0.3	40.9	1.9	8.3	341.8	12.9	807.1		1.5
SMDH 00170	8.4	76.6	156.8	18.5	62.6077	11.4112	0.80567	6.0	0.7	2.3	0.3	0.6	0.3	0.3	0.3	34.3	2.0	6.4	254.8	11.4	721.1	0.9	
SMDH 00170	12.7	80.6	163.3	19.3	67.2453	12.3333	1.03586	7.3	0.8	3.2	0.3	0.9	0.3	0.9	0.3	35.9	1.9	6.6	266.2	10.0	664.8		
SMDH 00170	13.9	92.3	194.0	22.1	78.8393	14.0622	1.15095	8.4	0.9	3.9	0.6	1.1	0.3	1.1	0.3	37.1	2.5	8.6	355.5	18.6	738.6		
SMDH 00170	12.2	82.3	174.6	19.6	70.7235	12.3333	1.15095	7.3	0.8	3.3	0.3	1.0	0.3	0.9	0.3	33.4	2.2	9.2	373.8	20.0	787.2	0.6	
SMDH 00170	10.1	66.9	139.9	15.9	55.6513	9.91272	1.15095	5.8	0.6	2.6	0.3	0.8	0.3	0.8	0.3	27.5	2.1	11.0	452.5	17.2	586.3		1.4
SMDH 00170	14.8	56.7	108.1	12.4	46.3761	7.95323	0.69057	4.5	0.3	2.7	0.3	1.6	0.3	1.9	0.3	21.9	1.7	7.3	316.8	21.5	518.6		
SMDH 00170	11.2	58.1	120.5	13.9	48.6949	9.10587	1.26605	5.0	0.3	2.7	0.3	1.0	0.3	1.0	0.3	23.2	1.9	9.1	368.6	24.3	654.1		
SMDH 00170	9.9	59.0	123.2	13.9	51.0137	9.10587	1.61133	5.5	0.6	2.4	0.3	0.9	0.3	1.0	0.3	23.6	2.0	7.2	327.2	25.7	885.3	0.3	1.5
SMDH 00170	8.4	61.8	130.7	15.0	53.3325	10.1433	1.49624	5.6	0.6	2.6	0.3	0.6	0.3	0.3	0.3	27.4	1.7	4.4	178.0	24.3	913.3		
SMDH 00171	33.6	79.3	150.8	18.6	62.6077	10.9501	1.26605	8.8	0.9	5.7	1.1	3.0	0.3	3.4	0.3	29.4	2.4	9.0	384.7	35.8	1239.7	0.5	
SMDH 00171	45.6	30.8	54.1	7.8	28.985	6.80059	1.84152	7.4	1.2	7.3	1.6	3.8	0.7	4.0	0.6	7.0	0.7	4.6	203.4	18.6	2751.7		
SMDH 00171	34.1	50.7	114.8	12.5	47.5355	8.29903	1.72643	7.0	1.1	6.6	1.4	3.3	0.6	3.8	0.3	19.0	1.5	11.0	456.0	25.7	3580.7		1.4
SMDH 00171	26.5	78.7	160.6	19.3	59.1295	11.6417	1.38114	8.1	0.8	4.6	0.8	3.0	0.3	2.8	0.3	35.5	2.0	11.3	710.7	21.5	790.5		
SMDH 00171	34.2	93.3	190.4	22.5	74.2017	13.2554	1.49624	10.0	0.9	6.2	1.0	4.0	0.3	3.8	0.3	41.9	3.2	9.7	389.4	27.2	1068.9	0.8	
SMDH 00171	35.6	81.4	164.2	18.7	64.9265	11.5264	1.38114	8.7	1.1	6.6	1.3	4.2	0.6	3.9	0.3	35.7	2.9	12.3	506.6	21.5	930.9		1.5
SMDH 00171	46.4	73.2	148.2	18.0	57.9701	11.2959	1.95662	9.2	1.1	7.9	1.6	5.9	0.7	5.1	0.8	31.2	2.6	11.3	462.0	22.9	985.7		
SMDH 00171	36.8	62.7	129.7	15.5	51.0137	8.52955	1.26605	8.2	0.9	7.0	1.1	4.3	0.6	4.3	0.6	27.7	2.2	10.5	410.9	18.6	877.8		
SMDH 00171	36.8	75.7	156.4	18.3	59.1295	10.6043	1.38114	9.2	1.1	6.5	1.3	4.3	0.6	3.9	0.6	33.6	2.6	9.9	430.2	21.5	918.5	1.0	
SMDH 00171	41.7	74.3	151.3	18.3	59.1295	10.1433	1.38114	8.9	1.1	6.9	1.3	5.2	0.7	4.8	0.6	33.3	2.1	9.8	393.9	18.6	784.4		1.4
SMDH 00172	16.5	45.3	88.3	10.0	34.782	6.68533	1.72643	5.8	0.6	3.1	0.6	1.5	0.3	1.7	0.3	12.3	1.1	8.4	359.6	18.6	981.5		
SMDH 00172	23.3	107.8	227.6	25.2	89.2739	14.8691	0.80567	10.4	1.1	5.0	1.0	2.2	0.3	2.5	0.3	42.0	3.5	22.2	957.9	10.0	857.5	2.4	1.3
SMDH 00172	38.7	18.8	39.0	5.2	22.0286	5.41742	1.61133	5.8	1.1	6.4	1.5	3.7	0.6	3.5	0.3	3.5	0.6	3.2	153.2	15.7	1847.2		
SMDH 00172	36.1	17.2	37.1	4.6	18.5504	4.95636	1.49624	5.3	0.8	6.2	1.3	3.3	0.6	3.3	0.3	3.4	0.3	3.9	157.9	17.2	2186.6		
SMDH 00172	25.1	59.7	172.4	13.8	51.0137	8.64482	1.03586	6.9	0.8	4.7	0.9	2.3	0.3	2.6	0.3	23.8	1.9	9.1	374.7	20.0	1361.6		1.5
SMDH 00173	30.8	125.2	277.8	30.7	98.5491	16.137	0.80567	11.7	1.2	5.7	1.1	4.1	0.3	3.6	0.6	52.4	4.7	34.6	1476.0	25.7	1438.0	1.6	
SMDH 00173	21.2	67.7	131.5	16.2	52.1731	8.76008	1.49624	7.1	0.8	4.0	0.8	2.6	0.3	2.5	0.3	21.3	1.7	9.0	391.2	22.9	1039.9		
SMDH 00173	17.0	53.4	113.6	13.2	44.0573	7.26165	1.03586	5.3	0.6	3.3	0.7	2.4	0.3	2.4	0.3	20.9	2.0	10.8	455.4	31.5	1325.4		1.3
SMDH 00173	24.3	67.9	127.2	16.7	52.1731	8.52955	1.61133	7.0	0.8	4.8	0.9	2.9	0.3	3.0	0.3	19.5	1.7	7.7	330.1	21.5	1063.1		
SMDH 00173	22.7	65.9	122.1	15.1	47.5355	8.29903	1.49624	6.8	0.8	4.1	0.8	2.5	0.3	2.7	0.3	18.9	1.7	9.7	435.1	22.9	1023.8	1.7	
SMDH 00173																							
SMDH 00173	14.3	46.4	132.3	10.9	35.9414	5.87848	0.69057	4.4	0.3	2.7	0.6	1.8	0.3	2.0	0.3	24.1	2.1	10.1	449.1	31.5	1520.9		1.4
SMDH 00173	32.3	98.4	182.7	22.7	78.8393	13.6012	1.38114	10.7	1.2	6.3	1.3	3.0	0.3	3.2	0.3	34.2	2.5	17.7	827.2	32.9	4489.1		
SMDH 00174	38.0	158.6	339.2	38.4	129.853	24.2055	0.80567	14.4	1.6	8.2	1.3	4.3	0.6	4.3	0.6	68.8	4.5	33.1	1394.8	14.3	673.7		
SMDH 00174	19.1	56.6	110.6	13.5	45.2167	7.83797	1.15095	5.6	0.6	3.7	0.6	2.3	0.3	2.0	0.3	18.4	1.4	8.8	353.0	20.0	965.0		1.5
SMDH 00174	47.9	59.7	114.1	13.0	42.8979	7.49218	1.38114	6.1	0.9	7.0	1.6	7.2	1.0	7.4	1.0	19.5	1.8	9.6	445.2	27.2	1126.8		
SMDH 00174	13.9	44.6	86.9	10.2	33.6226	6.4548	1.61133	4.4	0.6	2.7	0.3	1.7	0.3	1.5	0.3	15.7	1.1	7.9	333.1	22.9	826.4	1.2	
SMDH 00174	28.9	97.2	197.0	22.1	75.3611	12.3333	1.61133	7.3	0.9	4.6	0.9	4.1	0.6	4.2	0.7	34.9	1.4	13.2	521.4	17.2	1089.2		1.5
SMDH 00174	39.4	89.1	178.5	20.4	67.2453	10.9501	1.26605	7.6	1.1	6.1	1.3	6.4	0.8	5.9	0.7	30.9	2.0	11.1	468.5	21.5	1049.3		
SMDH 00174	33.1	88.8	183.2	21.1	70.7235	11.9875	1.26605	8.1	0.8	5.3	1.0	4.9	0.6	5.1	0.6	33.2	1.7	11.3	464.5	24.3	1133.8		
SMDH 00174																							
SMDH 00174	32.6	116.9	245.4	27.7	96.2303	15.7912	1.38114	10.4	1.2	5.8	1.1	3.1	0.3	3.9	0.3	45.3	2.4	13.6	552.6	21.5	1235.5		1.5
SMDH 00174	29.3	87.6	178.3	20.2	75.3611	12.3333	1.49624	8.9	1.2	5.5	0.9	2.7	0.3	3.3	0.3	33.0	2.0	9.8	409.2	21.5	896.8		
SMDH 00174	38.1	70.3	144.5	16.0	55.6513	10.028	1.26605	7.4	1.1	6.3	1.3	3.5	0.6	4.0	0.3	25.8	1.8	7.4	317.6	25.7	827.6		
SMDH 00174	42.2	87.0	173.0	21.7	69.5641	13.1401	1.49624	9.4	1.2	7.3	1.5	4.9	0.7	4.3	0.6	31.1	2.6	9.0	374.3	34.3	943.5		
SMDH 00174	36.6	84.6	171.8	20.5	64.9265	11.5264	1.38114	9.4	1.2	6.4	1.4	4.5	0.7	4.1	0.7	31.9	2.0	9.9	412.8	28.6	846.8		
SMDH 00174	31.2	57.1	111.9	13.3	42.8979	7.60744	1.26605	6.0	0.7	4.9	1.0	3.9	0.6	4.2	0.7	18.9	1.5	13.4	597.3	21.5	883.4		
SMDH 00175	23.1	73.5	156.6	18.6	63.7671	11.2959	0.28774	7.3	0.9	4.5	0.8	1.9	0.3	2.2	0.3	33.8	1.8	10.7	456.2	10.0	437.3		
SMDH 00175	28.9	116.8	252.5	30.0	105.506	19.7102	1.26605	13.1	1.4	6.1	1.1	2.4	0.3	2.5	0.3	59.4	2.7	15.1	665.9	22.9	605.2		
SMDH 00175	24.5	100.5	216.4	25.0	86.9551	14.5233	1.84152	10.0	0.9	4.5	0.8	2.1	0.3	2.2	0.3	50.6	1.2	6.7	278.8	15.7	671.8		
SMDH 00175	13.2	73.0	152.2	16.9	61.4483	10.6043	1.49624	6.4	0.6	2.9	0.3	1.3	0.3	1.1	0.3	31.7	0.8	6.6	273.4	10.0	600.6		1.6
SMDH 00175	16.6	101.2	221.5	25.0	84.6363	14.7538	1.49624	9.3	0.9	3.6	0.3	1.6	0.3	1.1	0.3	48.2	1.2	7.1	276.9	12.9	751.9		
SMDH 00175	24.3	103.1	222.8	25.6	86.9551	15.4454	1.61133	10.2	1.2	5.3	0.8	2.4	0.3	2.4	0.3	49.1	1.5	9.4	389.4	10.0	727.4	1.4	
SMDH 00175	29.5	95.7	205.3	23.4	81.1581	15.9065	1.61133	10.5	1.2	6.0	0.9	3.4	0.3	3.4	0.3	46.0	1.4	6.3	260.8	8.6	761.5		1.6
SMDH 00175	49.9	118.4	267.1	30.6	111.303	20.8628	1.38114	15.0	1.8	8.6	1.7	6.0	0.8	6.6	0.9	67.6	2.2	14.0	618.7	14.3	1154.6		
SMDH 00175	34.5	103.3	231.8	26.5	91.5927	19.1339	1.61133	12.4	1.3	6.8	1.3	3.9	0.6	4.2	0.6	57.0	2.0	12.5	495.9	15.7	1127.8		
SMDH 00175	34.6	105.6	230.0	26.7	91.5927	17.4049	1.72643	11.9	1.3	6.5	1.3	3.9	0.6	4.3	0.3	52.1	1.7	9.7	411.2	12.9	942.3	1.0	1.6
SMDH 00175	47.4	85.3	185.0	21.6	73.0423	13.947	1.38114	11.3	1.5	8.6	1.6	4.9	0.8	5.6	0.8	40.1	2.0	10.5	426.0	17.2	1015.4		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00175	27.4	89.1	192.4	21.3	71.8829	13.8317	1.61133	9.7	1.2	5.6	0.9	2.5	0.3	2.4	0.3	39.0	1.8	9.6	417.3	15.7	815.2		
SMDH 00175	28.6	102.4	215.0	24.6	82.3175	15.9065	1.84152	10.2	1.2	5.7	0.9	3.3	0.3	2.7	0.3	42.6	1.5	12.3	501.8	20.0	1016.6		1.5
SMDH 00175	41.1	103.4	219.0	25.8	85.7957	19.5949	1.61133	13.7	1.9	8.4	1.3	4.7	0.3	4.0	0.6	44.6	1.8	11.3	454.9	34.3	1220.7	0.9	
SMDH 00176	39.5	146.4	305.4	39.3	124.056	24.3208	1.26605	17.1	1.8	8.7	1.4	4.2	0.3	3.1	0.3	75.6	3.4	20.9	924.5	17.2	1023.1		
SMDH 00176	36.2	90.2	192.7	22.9	78.8393	16.0217	1.38114	10.8	1.3	6.6	1.3	4.1	0.3	3.2	0.3	44.2	1.9	12.4	531.5	21.5	766.4		1.3
SMDH 00176	21.9	108.2	227.1	27.3	90.4333	16.8286	1.84152	11.1	1.2	5.4	0.8	1.9	0.3	1.5	0.3	49.1	1.7	15.1	615.8	24.3	902.1		
SMDH 00176	20.8	99.9	212.9	24.9	84.6363	15.4454	1.61133	10.3	0.9	4.7	0.7	1.8	0.3	1.4	0.3	46.4	1.5	11.4	466.7	20.0	1034.1	1.6	
SMDH 00176	38.5	95.4	199.7	25.8	92.7521	19.7102	1.72643	12.4	1.4	7.2	1.4	3.2	0.3	3.3	0.3	47.2	1.8	9.1	400.5	28.6	521.1		1.4
SMDH 00176	24.5	86.8	188.8	23.1	83.4769	16.2523	1.72643	10.7	1.1	5.6	0.8	2.2	0.3	2.2	0.3	43.7	1.7	10.4	435.1	21.5	489.1		
SMDH 00176	34.3	107.4	237.8	27.1	96.2303	17.6354	1.49624	11.0	1.3	6.9	1.3	3.1	0.3	3.2	0.3	50.9	1.9	11.2	513.6	25.7	516.2		
SMDH 00176	25.6	88.7	192.8	23.5	81.1581	17.1744	1.49624	10.4	1.2	5.2	0.8	2.1	0.3	2.0	0.3	44.9	1.9	11.7	485.3	22.9	456.9	0.8	1.5
SMDH 00176	33.0	100.2	219.6	27.0	92.7521	17.2896	1.61133	11.7	1.4	6.8	1.3	2.9	0.3	3.2	0.3	50.6	1.9	12.1	496.1	22.9	587.9		
SMDH 00176	33.1	75.9	164.0	19.5	71.8829	13.2554	1.61133	9.5	1.1	6.1	1.1	3.0	0.3	3.1	0.3	39.2	1.8	9.9	393.1	22.9	867.1		
SMDH 00177	54.1	211.9	470.5	53.1	194.779	28.7008	1.49624	19.7	2.1	10.4	2.2	5.1	0.7	4.2	0.7	96.0	3.9	30.1	1106.8	21.5	486.8	0.9	
SMDH 00177	25.7	91.2	211.6	24.1	83.4769	12.4485	1.26605	8.7	1.1	4.9	1.0	2.5	0.3	2.3	0.3	42.0	1.7	11.4	474.0	24.3	721.8		1.5
SMDH 00177	35.7	106.5	241.2	28.5	97.3897	16.3675	1.49624	11.5	1.3	6.6	1.4	3.4	0.3	3.4	0.3	47.8	1.7	9.4	398.4	30.0	740.9		
SMDH 00177	19.3	84.8	174.8	20.2	67.2453	10.489	1.61133	6.6	0.8	3.8	0.7	2.2	0.3	1.6	0.3	32.4	0.9	8.3	367.8	22.9	553.8	0.8	1.7
SMDH 00177	10.9	47.7	99.1	11.6	37.1009	5.76321	0.92076	4.2	0.3	2.3	0.3	1.3	0.3	0.8	0.3	18.4	0.6	4.4	164.5	12.9	264.0		
SMDH 00177	30.7	101.3	212.8	24.9	84.6363	15.0996	1.38114	9.7	1.1	5.6	1.0	3.7	0.3	3.4	0.3	42.8	1.3	8.5	361.7	21.5	634.4		
SMDH 00177	19.1	87.5	182.1	22.1	73.0423	12.218	1.26605	7.2	0.8	3.6	0.7	2.2	0.3	1.7	0.3	36.9	0.9	6.8	282.0	12.9	469.5		1.6
SMDH 00177	15.7	93.4	199.0	22.5	76.5205	11.9875	1.72643	7.4	0.8	3.6	0.3	1.6	0.3	1.0	0.3	40.3	0.9	8.7	361.5	15.7	682.1	1.0	
SMDH 00178	38.5	91.4	190.0	22.0	76.5205	14.1775	1.38114	8.5	1.2	6.6	1.3	3.1	0.3	3.2	0.3	38.8	2.0	9.7	422.8	20.0	670.6		
SMDH 00178	47.1	99.0	213.4	25.1	86.9551	14.8691	1.72643	10.8	1.5	7.8	1.7	4.2	0.7	4.4	0.7	43.0	3.2	12.7	538.6	21.5	1057.5		
SMDH 00178	38.1	94.5	199.9	23.7	81.1581	14.1775	1.38114	8.9	1.2	6.6	1.4	3.2	0.3	3.1	0.3	39.6	2.1	9.6	427.3	15.7	655.9		1.4
SMDH 00178	35.1	89.1	189.9	22.6	77.6799	14.7538	1.61133	10.1	1.2	6.1	1.1	3.0	0.3	2.7	0.3	39.4	3.2	12.1	532.5	18.6	1140.6	0.8	
SMDH 00178	24.5	111.8	234.8	28.2	95.0709	16.2523	1.72643	10.4	1.2	5.4	0.8	1.9	0.3	1.9	0.3	47.5	2.1	9.6	402.7	17.2	1096.5		
SMDH 00178	10.4	92.1	191.1	22.2	76.5205	11.8722	1.84152	6.8	0.7	3.0	0.3	0.7	0.3	0.6	0.3	36.0	1.3	12.3	507.9	15.7	1184.8		1.6
SMDH 00178	25.6	108.7	225.5	26.3	92.7521	15.7912	1.72643	9.3	1.1	4.9	0.8	2.3	0.3	2.6	0.3	44.7	1.9	10.7	471.0	14.3	998.6		
SMDH 00179	30.3	92.0	210.1	23.8	78.8393	11.8722	1.49624	10.3	1.1	5.2	1.0	2.9	0.3	2.7	0.3	44.4	2.7	21.0	817.6	17.2	569.7		1.3
SMDH 00179	27.2	165.6	360.0	41.6	135.65	22.7071	2.76229	16.5	1.9	7.0	1.0	2.1	0.3	1.5	0.3	79.4	1.7	5.3	206.9	17.2	655.5		
SMDH 00179	11.4	43.3	93.7	10.8	35.9414	5.76321	1.15095	4.6	0.3	2.2	0.3	1.0	0.3	0.3	0.3	18.7	0.7	1.3	47.3	17.2	375.1	1.7	
SMDH 00179	44.5	343.7	756.6	85.6	285.213	45.9904	4.02833	32.8	3.2	12.4	1.7	3.0	0.3	1.1	0.3	161.6	2.8	0.9	40.0	15.7	383.6		1.8
SMDH 00179	34.0	244.4	552.1	61.5	200.576	33.1961	3.91324	24.9	2.5	8.0	1.3	2.5	0.3	1.1	0.3	109.1	1.9	5.1	164.9	15.7	556.2		
SMDH 00179	16.5	96.4	201.1	23.2	77.6799	13.2554	1.95662	8.6	0.8	4.0	0.7	1.1	0.3	0.9	0.3	40.5	0.8	1.5	65.8	7.2	293.6		
SMDH 00179	28.9	91.9	187.6	21.6	78.8393	13.8317	1.49624	9.1	0.9	5.6	1.1	2.5	0.3	2.3	0.3	40.1	2.9	11.1	533.3	20.0	797.9	0.9	1.5
SMDH 00180	27.4	83.5	181.0	19.9	70.7235	12.9096	0.80567	8.2	1.1	5.2	0.9	2.3	0.3	2.5	0.3	36.0	2.5	17.5	798.1	11.4	457.4		1.3
SMDH 00180	29.3	86.2	179.3	21.0	74.2017	12.4485	1.26605	8.0	1.1	5.6	1.0	2.9	0.3	3.1	0.3	36.2	1.9	11.0	477.4	12.9	722.0	4.5	
SMDH 00180	19.4	55.3	96.9	13.1	47.5355	7.83797	1.03586	5.0	0.6	3.3	0.6	1.7	0.3	1.4	0.3	19.8	1.1	4.7	214.0	10.0	472.8		
SMDH 00180	14.7	96.3	199.0	23.2	78.8393	13.4859	1.38114	8.0	0.9	3.8	0.6	1.1	0.3	0.9	0.3	38.6	1.7	9.4	422.0	15.7	817.1		1.6
SMDH 00180	18.9	95.6	211.2	23.4	79.9987	13.1401	1.38114	9.4	1.1	4.5	0.7	1.6	0.3	1.3	0.3	39.1	1.7	9.0	398.2	31.5	778.6		
SMDH 00180	29.5	104.3	214.1	26.2	88.1145	15.0996	1.84152	9.9	1.3	6.1	1.0	2.4	0.3	2.5	0.3	45.1	2.1	10.0	417.7	20.0	819.9		
SMDH 00180	31.4	91.6	182.8	22.6	78.8393	12.3333	1.38114	8.5	1.2	6.3	1.3	3.2	0.6	3.5	0.3	39.9	2.1	9.7	403.1	18.6	829.9		1.5
SMDH 00180	40.6	114.9	236.3	28.6	99.7085	16.2523	1.84152	11.7	1.4	8.0	1.4	3.7	0.7	4.0	0.6	49.5	2.9	13.3	542.5	34.3	1010.7		
SMDH 00180	43.1	124.9	255.9	31.0	107.824	19.0186	1.95662	12.0	1.5	8.8	1.6	3.4	0.7	4.4	0.6	55.2	3.5	12.6	524.4	30.0	1094.8		
SMDH 00180	21.8	54.2	102.9	13.1	46.3761	7.37691	1.15095	5.2	0.7	3.8	0.8	1.9	0.3	1.9	0.3	21.7	1.2	6.3	295.3	15.7	567.9	0.9	1.7
SMDH 00180	35.7	98.6	203.3	25.0	86.9551	14.7538	1.84152	10.4	1.3	7.3	1.4	3.4	0.6	3.6	0.3	41.7	2.7	11.1	448.3	21.5	1026.2		
SMDH 00180	39.0	104.6	212.8	25.7	91.5927	16.4828	1.61133	11.6	1.4	8.6	1.5	3.3	0.6	3.4	0.3	42.9	2.9	9.9	409.7	21.5	993.0		
SMDH 00180	39.0	104.6	212.8	25.7	91.5927	16.4828	1.61133	11.6	1.4	8.6	1.5	3.3	0.6	3.4	0.3	42.9	2.9	9.9	409.7	21.5	993.0		
SMDH 00181	33.7	127.2	250.4	34.9	103.187	16.3675	0.69057	13.1	1.2	6.8	1.3	3.7	0.3	3.2	0.3	50.9	3.3	39.5	1363.5	8.6	266.8		1.6
SMDH 00181	43.5	140.3	285.3	39.2	125.215	19.9407	1.72643	15.1	1.5	8.1	1.6	5.1	0.7	4.4	0.7	58.8	3.1	32.2	1060.9	21.5	604.3	2.6	
SMDH 00181	37.0	165.4	375.1	41.7	140.288	22.4765	1.49624	16.2	1.4	8.2	1.3	3.7	0.3	3.3	0.3	75.0	3.4	18.6	781.2	15.7	479.6		
SMDH 00181	36.6	80.2	179.7	20.3	68.4047	12.218	0.92076	10.2	1.1	6.9	1.1	4.0	0.3	4.2	0.6	35.2	1.9	5.2	239.4	15.7	632.6		1.5
SMDH 00181	55.4	110.5	249.8	27.6	92.7521	16.9438	1.38114	14.1	1.6	10.5	1.8	6.0	0.8	5.3	0.7	46.7	2.6	12.5	670.1	24.3	839.3		
SMDH 00181	44.5	114.3	259.2	29.2	99.7085	17.4049	1.26605	14.3	1.4	8.4	1.5	4.8	0.6	4.5	0.7	50.4	2.6	7.4	298.4	20.0	785.6	1.8	
SMDH 00181	38.3	95.3	204.9	23.5	78.8393	13.3707	1.15095	10.4	1.3	7.2	1.4	4.2	0.6	4.1	0.3	39.7	2.0	7.5	290.7	15.7	760.8		1.4
SMDH 00181	24.3	66.3	144.6	16.2	54.4919	8.99061	1.61133	7.0	0.8	4.6	0.8	3.1	0.3	3.1	0.3	26.6	1.4	7.7	320.1	14.3	719.5		
SMDH 00181	16.1	78.0	171.2	18.7	63.7671	10.1433	1.38114	8.5	0.7	3.3	0.3	1.6	0.3	1.4	0.3	30.9	1.5	8.7	387.0	15.7	950.9		
SMDH 00181	22.6	95.0	209.0	23.4	77.6799	12.9096	1.49624	10.0	0.9	4.6	0.8	2.5	0.3	2.3	0.3	39.9	2.1	8.5	326.2	12.9	785.6	1.2	1.6
SMDH 00181	23.3	94.3	204.9	22.9	76.5205	13.7164	1.49624	11.2	1.1	5.5	0.8	2.6	0.3	2.2	0.3	38.7	2.0	8.5	332.6	20.0	967.5		
SMDH 00181	42.8	136.8	309.8	34.3	115.94	18.4423	1.84152	12.9	1.6	7.7	1.6	4.6	0.6	4.0	0.6	61.1	3.1	9.3	401.2	21.5	1320.3		
SMDH 00181	18.0	68.3	151.2	17.1	56.8107	9.22114	1.49624	6.8	0.7	3.6	0.7	1.6	0.3	1.4	0.3	28.7	1.7	7.3	284.6	15.7	949.5		1.5
SMDH 00181	33.5	83.5	187.3	21.5	67.2453	11.0654	1.84152	8.7	1.1	5.2	1.1	3.4	0.7	3.5	0.6	35.4	2.2	5.8	237.2	14.3	804.7	1.0	
SMDH 00181	15.8	69.8	154.2	17.1	55.6513	8.76008	1.95662	6.3	0.7	2.9	0.3	1.4	0.3	1.4	0.3	28.2	1.4	6.5	233.3	12.9	732.3		
SMDH 00182	20.8	61.6	121.1	14.5	48.6949	8.0685	0.57548	6.6	0.7	4.1	0.7	1.8	0.3	2.2	0.3	25.3	1.7	10.0	469.7	21.5	424.2		
SMDH 00182	28.1	87.0	181.1	21.6	76.5205	11.8722	0.92076	9.1	1.1	5.7	1.0	2.5	0.3	3.1	0.3	36.3	2.1	10.5	486.4	14.3	534.2		
SMDH 00182	51.1	163.3	352.5	42.9	151.882	26.0497	1.61133	15.7	2.0	9.9	1.7	3.9	0.7	4.1	0.7	72.5	4.1	27.2	1197.8	17.2	441.5		
SMDH 00182	37.9	151.6	319.8	36.9	129.853	21.3239	1.38114	15.5	1.6	8.5	1.4	3.4	0.3	3.4	0.3	66.2	3.7	11.1	520.6	20.0	763.4		1.7
SMDH 00182	32.1	46.1	95.1	11.9	41.7385	7.26165	0.92076	5.7	0.7	5.5	1.1	3.4	0.7	4.4	0.3	19.1	1.3	9.7	411.5	17.2	898.6	2.0	
SMDH 00182	11.7	33.0	69.1	8.3	28.985	4.8411	0.80567	2.6	0.3	2.1	0.3	0.9	0.3	1.1	0.3	13.3	0.8	3.8	164.5	7.2	256.7		1.6
SMDH 00182	11.5	19.7	38.3	4.1	12.7534	2.42055	0.28774	1.8	0.3	2.1	0.3	1.0	0.3	1.3	0.3	14.8	3.3	3.4	131.7	7.2	157.2		
SMDH 00182	36.1	69.0	141.7	16.8	57.9701	9.6822	1.26605	6.5	0.8	6.1	1.3	4.0	0.8	5.9	0.7	27.6	1.5	7.5	330.8	17.2	823.2		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00182	38.8	71.0	145.9	16.2	55.6513	8.99061	1.38114	6.3	0.8	5.0	1.4	5.8	0.7	6.4	1.0	28.2	1.4	7.3	316.8	17.2	1203.7		
SMDH 00182	38.1	88.4	178.0	20.5	69.5641	11.4112	1.61133	7.3	0.9	5.6	1.3	5.2	0.8	5.3	1.0	36.5	1.7	8.3	368.4	15.7	847.2	0.9	
SMDH 00182	41.9	85.1	174.5	20.7	63.7671	11.6417	1.38114	8.5	0.9	6.5	1.5	5.4	0.7	5.1	0.9	34.8	2.2	8.6	351.1	15.7	958.4		1.4
SMDH 00182	26.4	64.2	131.1	14.8	51.0137	8.41429	1.26605	5.7	0.7	3.9	0.8	3.2	0.3	3.1	0.3	24.6	1.8	7.4	342.8	15.7	840.7		
SMDH 00182	8.4	48.3	99.3	11.2	37.1009	6.22427	1.49624	4.0	0.3	1.6	0.3	0.9	0.3	0.7	0.3	18.9	1.2	6.8	281.9	12.9	736.0		
SMDH 00183	23.2	61.9	130.2	15.3	51.0137	9.56693	1.03586	5.2	0.7	4.5	0.8	1.8	0.3	2.0	0.3	24.4	1.4	9.4	412.8	21.5	953.0		
SMDH 00183	22.3	57.4	122.2	14.3	49.8543	9.22114	1.03586	5.2	0.7	4.0	0.8	1.7	0.3	1.9	0.3	23.6	1.4	8.6	375.4	11.4	770.4		1.6
SMDH 00183	15.2	25.7	45.1	5.9	20.8692	3.91898	0.80567	2.6	0.3	2.5	0.3	1.0	0.3	1.1	0.3	8.7	0.8	4.2	187.1	8.6	710.8		
SMDH 00183	26.6	13.1	25.0	3.8	15.0722	4.14951	1.38114	3.3	0.6	4.4	0.9	1.8	0.3	1.9	0.3	2.6	0.3	2.6	115.4	10.0	1787.0		
SMDH 00183	28.3	14.6	30.3	4.4	17.391	5.07163	1.38114	3.7	0.7	5.2	1.0	2.2	0.3	2.3	0.3	2.8	0.8	3.7	169.0	12.9	2692.4	3.3	1.4
SMDH 00183	19.0	70.1	141.9	16.5	56.8107	10.1433	1.84152	6.0	0.7	3.9	0.7	1.3	0.3	1.3	0.3	27.9	1.3	5.7	236.8	18.6	1171.5		
SMDH 00183	35.5	71.0	162.7	16.1	56.8107	10.8348	1.38114	6.5	0.9	6.8	1.4	2.9	0.6	3.2	0.3	36.6	3.1	8.4	357.6	22.9	1143.9		
SMDH 00183	46.6	69.9	147.9	18.6	60.2889	10.489	2.07171	7.8	1.1	7.7	1.6	3.9	0.8	4.7	0.7	25.4	2.2	8.1	365.0	28.6	782.8		1.5
SMDH 00183	44.2	86.1	176.3	21.7	75.3611	13.0249	1.61133	9.5	1.3	7.9	1.6	3.9	0.7	4.4	0.6	31.3	3.1	8.6	366.5	24.3	1026.6	0.9	
SMDH 00183	46.1	95.0	200.7	25.0	86.9551	14.408	2.30191	10.4	1.3	8.0	1.5	3.9	0.7	4.3	0.7	31.2	2.9	9.1	382.7	24.3	975.2		
SMDH 00183	52.0	75.5	167.1	20.5	68.4047	12.5638	1.95662	9.3	1.3	9.0	1.8	4.7	0.9	5.9	0.8	26.1	2.2	13.6	573.5	28.6	1149.3		1.6
SMDH 00183	39.8	95.4	195.1	23.7	81.1581	15.0996	1.72643	9.6	1.2	6.8	1.4	3.4	0.8	4.7	0.7	34.8	2.9	10.1	434.0	25.7	1187.6		
SMDH 00183	20.9	88.4	173.3	20.7	71.8829	12.218	2.18681	7.3	0.8	4.0	0.7	1.7	0.3	2.2	0.3	29.6	2.0	9.2	414.4	24.3	1156.0	0.6	
SMDH 00183	32.3	56.8	118.8	14.2	47.5355	8.29903	1.84152	5.3	0.8	4.8	1.1	3.1	0.7	4.3	0.7	21.2	1.5	5.5	240.6	25.7	1285.4		1.5
SMDH 00184	49.6	110.1	234.0	27.6	93.9115	15.7912	1.95662	10.4	1.4	8.5	1.7	4.0	0.8	4.5	0.7	42.5	2.9	12.4	573.4	27.2	1190.8		
SMDH 00184	34.5	93.9	198.7	24.0	81.1581	14.0622	1.95662	9.6	1.2	6.9	1.3	2.7	0.3	2.7	0.3	36.2	3.1	13.6	596.6	25.7	794.7		
SMDH 00184	13.9	62.7	129.2	15.7	53.3325	9.45167	1.72643	6.1	0.7	3.1	0.3	1.0	0.3	0.9	0.3	25.4	1.7	5.4	249.4	18.6	753.3	2.3	1.5
SMDH 00184	18.1	45.5	93.7	11.5	39.4197	7.03112	1.72643	4.7	0.3	3.2	0.7	1.5	0.3	1.6	0.3	18.1	1.3	5.9	277.7	14.3	476.8		
SMDH 00184	11.4	34.1	67.3	8.2	27.8256	5.07163	1.72643	3.4	0.3	2.3	0.3	0.8	0.3	0.9	0.3	12.9	0.9	5.9	282.5	12.9	425.4		
SMDH 00184	15.7	63.4	129.5	15.9	54.4919	9.10587	1.84152	6.0	0.7	3.6	0.3	1.1	0.3	0.9	0.3	25.8	1.5	7.4	342.0	18.6	911.7		1.5
SMDH 00184	24.3	58.1	119.4	15.0	51.0137	10.489	1.61133	7.0	0.9	4.6	0.8	1.7	0.3	1.5	0.3	22.0	2.1	6.6	314.6	20.0	765.7	0.7	
SMDH 00184	25.2	67.8	141.2	17.5	56.8107	11.1806	1.61133	7.2	0.8	4.9	0.9	1.8	0.3	2.5	0.3	27.7	2.1	7.5	336.3	24.3	849.1		
SMDH 00184	23.3	45.7	99.3	12.0	40.5791	8.0685	1.15095	5.6	0.9	4.8	0.8	1.6	0.3	1.7	0.3	20.2	1.5	10.0	416.2	22.9	616.4	0.9	1.4
SMDH 00184	37.5	48.5	100.6	12.1	41.7385	8.99061	2.07171	6.6	0.9	6.0	1.1	2.9	0.6	3.1	0.3	17.1	1.5	6.1	287.5	24.3	977.1		1.6
SMDH 00184	44.0	71.4	148.5	18.3	62.6077	12.218	1.84152	8.5	1.2	7.0	1.5	3.3	0.7	3.9	0.6	25.6	2.7	15.8	372.0	22.9	1021.5		
SMDH 00184	31.6	84.4	164.8	20.7	70.7235	13.6012	1.72643	8.2	1.1	5.0	0.9	1.9	0.3	2.3	0.3	33.8	3.4	8.3	395.4	22.9	1128.2	0.5	
SMDH 00184	14.2	63.1	122.2	14.9	52.1731	9.10587	2.18681	5.3	0.6	3.0	0.3	0.7	0.3	0.6	0.3	24.8	1.4	4.8	236.3	11.4	520.0		1.8
SMDH 00184	46.1	42.0	82.8	10.0	37.1009	7.83797	2.18681	5.7	0.9	6.2	1.3	3.4	0.9	5.6	0.7	12.5	1.4	9.8	486.2	28.6	1126.8		
SMDH 00185	30.7	123.7	223.2	26.3	99.7085	17.6354	1.15095	10.0	1.2	5.6	0.9	3.5	0.3	2.4	0.3	51.3	3.4	13.4	577.3	12.9	582.1		1.7
SMDH 00185	24.6	76.5	157.9	18.7	64.9265	11.0654	1.26605	8.1	1.1	4.4	0.8	2.6	0.3	1.9	0.3	30.8	2.2	8.5	369.3	17.2	772.0		
SMDH 00185	20.5	65.1	130.9	15.9	52.1731	9.91272	1.38114	6.2	0.8	4.0	0.7	2.3	0.3	1.8	0.3	25.2	1.5	6.7	278.7	17.2	749.1		
SMDH 00185	10.6	32.4	66.0	7.4	24.3474	5.18689	1.61133	3.2	0.3	1.9	0.3	1.4	0.3	0.9	0.3	11.7	0.3	2.8	129.7	11.4	444.8		1.5
SMDH 00185	22.6	65.5	123.7	14.3	47.5355	8.52955	1.84152	6.0	0.7	4.4	0.8	2.1	0.3	2.0	0.3	19.8	0.9	5.7	253.8	37.2	698.2	0.9	
SMDH 00185	27.5	66.3	139.3	15.0	52.1731	9.3364	1.72643	6.9	0.8	5.3	1.0	2.5	0.3	2.3	0.3	25.9	1.4	9.4	401.2	25.7	740.9		
SMDH 00185	40.2	77.4	161.0	18.5	61.4483	11.4112	1.72643	8.0	1.1	7.1	1.6	3.3	0.6	3.4	0.3	28.4	2.0	9.6	426.6	27.2	826.4		1.6
SMDH 00185	40.3	85.3	181.7	20.7	71.8829	13.2554	1.72643	9.4	1.2	7.4	1.5	3.3	0.3	3.3	0.3	32.8	1.9	10.0	429.8	31.5	937.6		
SMDH 00186	36.8	83.9	171.0	19.5	71.8829	12.4485	1.49624	6.8	1.1	6.4	1.3	4.5	0.6	3.8	0.7	28.5	2.4	15.9	630.4	24.3	855.4	1.3	
SMDH 00186	31.7	69.3	149.0	16.6	60.2889	9.45167	1.72643	6.4	0.9	6.0	1.1	3.7	0.3	3.1	0.3	26.2	2.0	6.6	291.2	20.0	1087.8		1.6
SMDH 00186	7.2	24.9	50.4	5.5	18.5504	3.11213	1.26605	2.3	0.3	1.3	0.3	0.8	0.3	0.7	0.3	8.1	0.8	7.2	296.5	14.3	641.4		
SMDH 00186	11.2	46.6	97.2	10.9	39.4197	6.22427	1.15095	3.4	0.3	2.3	0.3	1.3	0.3	0.9	0.3	17.5	0.8	5.7	234.9	14.3	532.4		
SMDH 00186	25.9	78.7	157.7	18.1	69.5641	10.489	1.26605	6.9	1.1	5.2	0.9	3.0	0.3	1.8	0.3	33.2	2.6	7.7	327.2	20.0	694.9	1.3	1.4
SMDH 00186	7.0	37.9	73.5	8.5	28.985	4.49531	1.38114	2.7	0.3	1.5	0.3	0.7	0.3	0.3	0.3	11.4	0.8	5.2	227.1	21.5	674.1		
SMDH 00186	18.2	50.1	97.4	11.6	41.7385	7.49218	1.38114	4.5	0.3	3.2	0.6	1.3	0.3	1.4	0.3	17.9	1.5	7.3	323.7	17.2	770.4		
SMDH 00186	21.2	86.7	171.3	20.8	76.5205	13.0249	1.15095	8.1	0.9	4.2	0.6	1.3	0.3	0.9	0.3	37.9	2.9	7.8	346.6	15.7	842.8	0.7	1.5
SMDH 00186	20.0	79.9	173.0	18.7	68.4047	11.6417	1.15095	7.3	0.9	4.7	0.7	2.3	0.3	1.5	0.3	33.8	2.6	10.6	434.4	21.5	741.4		
SMDH 00186	17.1	89.5	191.3	22.0	78.8393	13.8317	1.26605	7.8	0.9	4.6	0.6	1.7	0.3	0.9	0.3	40.2	2.8	9.6	374.6	17.2	729.7	1.4	
SMDH 00186	19.4	125.4	251.7	28.9	99.7085	14.9844	1.49624	9.2	1.1	4.7	0.7	1.3	0.3	0.9	0.3	54.4	2.9	9.4	418.1	18.6	728.8		
SMDH 00187	42.3	49.8	97.5	12.0	41.7385	7.49218	1.03586	5.0	0.8	5.3	1.1	2.9	0.7	3.5	0.3	19.0	2.2	10.0	483.3	14.3	890.7		
SMDH 00187	37.0	46.9	94.2	11.2	39.4197	7.26165	1.38114	4.8	0.7	4.8	1.0	2.2	0.6	3.1	0.3	17.9	2.1	7.1	344.6	34.3	1390.3		
SMDH 00187	25.6	79.4	159.8	19.1	64.9265	11.757	1.03586	7.1	0.8	4.4	0.8	1.5	0.3	1.7	0.3	33.7	2.4	5.3	254.5	18.6	802.4		1.7
SMDH 00187	32.2	66.2	126.6	15.9	52.1731	9.6822	1.61133	5.7	0.8	5.7	1.1	2.9	0.3	3.1	0.3	23.2	2.4	6.7	297.3	25.7	2355.1	2.3	
SMDH 00187	28.5	82.5	158.8	19.5	68.4047	11.9875	1.38114	7.4	0.9	5.6	1.0	2.2	0.3	2.4	0.3	33.4	2.0	8.5	391.6	17.2	1030.4		
SMDH 00187	22.2	64.9	127.5	16.0	53.3325	10.028	1.84152	6.0	0.7	4.6	0.8	1.8	0.3	1.8	0.3	23.6	1.3	7.1	319.6	27.2	1113.8		1.5
SMDH 00187	18.9	82.2	162.8	20.3	67.2453	12.6791	1.72643	7.4	0.9	4.7	0.8	1.4	0.3	0.9	0.3	29.4	1.5	7.4	331.2	25.7	1609.2		
SMDH 00187	15.5	103.9	201.5	24.4	79.9987	14.5233	1.95662	8.0	0.9	4.0	0.6	1.0	0.3	0.7	0.3	40.7	1.5	7.0	317.8	21.5	1646.1	1.0	
SMDH 00187	15.7	76.5	150.9	18.6	61.4483	11.5264	1.49624	6.8	0.7	3.8	0.6	1.1	0.3	0.8	0.3	31.5	1.5	6.4	281.1	21.5	1675.5		1.5
SMDH 00187	19.6	70.3	139.3	17.2	57.9701	10.3738	1.49624	6.1	0.8	4.4	0.7	1.7	0.3	1.6	0.3	28.0	2.0	7.1	324.1	21.5	1543.1		
SMDH 00187	7.2	46.3	85.2	10.3	33.6226	5.53268	1.95662	3.3	0.3	1.8	0.3	0.6	0.3	0.3	0.3	15.9	0.7	5.3	241.3	10.0	515.1		
SMDH 00188	20.3	134.9	331.4	31.9	92.7521	16.7133	0.92076	9.4	1.1	5.7	0.8	2.6	0.3	2.5	0.3	53.4	4.2	27.6	956.6	24.3	1129.6	0.4	
SMDH 00188	25.0	62.5	137.4	15.6	54.4919	10.1433	1.15095	5.7	0.8	4.7	1.0	2.4	0.3	4.0	0.3	29.4	3.2	10.0	400.9	28.6	1410.2		1.5
SMDH 00188	26.5	68.1	146.3	16.9	55.6513	9.22114	1.49624	5.7	0.9	5.0	1.0	3.5	0.6	3.9	0.3	29.0	2.0	8.6	329.5	28.6	1249.5		
SMDH 00188	39.5	91.3	182.6	20.5	68.4047	12.4485	1.84152	7.1	1.2	5.8	1.3	3.9	0.6	4.4	0.3	34.6	2.6	9.4	361.7	27.2	1049.8		
SMDH 00188	43.5	68.4	141.2	18.7	61.4483	11.9875	1.38114	8.0	1.2	6.5	1.3	3.3	0.3	4.2	0.6	20.1	1.9	7.8	352.8	38.6	1122.9	0.9	
SMDH 00188	26.6	52.4	110.8	14.2	46.3761	8.87535	1.26605	5.2	0.7	3.8	0.8	2.3	0.3	2.7	0.3	16.7	0.9	7.3	333.6	18.6	825.5		
SMDH 00188	39.9	64.5	138.0	17.5	56.8107	10.9501	1.38114	7.1	0.9	5.5	1.1	3.4	0.3	4.4	0.6	20.3	1.9	8.0	368.0	30.0	892.1		
SMDH 00188	38.0	61.9	131.1	16.0	52.1731	9.45167	1.26605	6.4	1.1	5.8	1.1	3.2	0.3	3.8	0.6	18.6	2.0	8.1	377.3	21.5	894.4		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00188	33.0	71.9	151.1	17.8	60.2889	11.1806	1.38114	7.6	1.1	6.0	1.0	2.7	0.3	2.7	0.3	29.3	2.5	9.3	410.6	30.0	1089.5	0.6	
SMDH 00188	26.7	72.1	146.2	16.8	55.6513	9.6822	1.38114	6.4	0.8	4.8	0.9	3.2	0.3	3.1	0.3	28.0	1.9	6.7	281.6	18.6	944.2		1.5
SMDH 00188	33.3	76.5	163.3	18.5	67.2453	10.8348	1.38114	7.4	0.9	5.7	1.0	3.0	0.6	3.3	0.6	31.8	2.0	11.1	496.1	25.7	1125.4		
SMDH 00188	30.2	65.5	141.1	16.6	54.4919	10.3738	1.15095	6.9	0.9	5.3	1.0	2.5	0.3	2.7	0.3	27.6	1.9	7.2	309.5	27.2	1125.4		1.5
SMDH 00188	34.9	85.0	169.3	19.0	64.9265	11.8722	1.38114	7.8	1.2	6.5	1.3	3.9	0.6	4.2	0.6	36.0	2.4	8.6	374.3	32.9	976.9		
SMDH 00188	43.6	78.3	163.3	19.0	67.2453	12.1027	1.49624	8.2	1.1	6.4	1.4	3.9	0.7	4.3	0.7	30.9	2.5	8.6	374.7	27.2	932.7		
SMDH 00188	43.3	68.4	143.2	17.1	59.1295	12.6791	1.38114	8.0	1.2	6.8	1.4	4.0	0.7	4.2	0.6	27.7	2.6	9.8	439.4	35.8	986.7	0.3	
SMDH 00188	40.2	77.7	162.5	19.1	64.9265	11.8722	1.49624	8.1	1.2	6.4	1.3	3.5	0.6	3.8	0.6	31.7	2.6	10.6	465.8	31.5	971.3		1.5
SMDH 00189	27.9	92.4	185.5	21.7	75.3611	13.3707	1.15095	8.1	0.9	5.0	0.9	2.5	0.3	2.4	0.3	35.4	2.8	18.8	840.3	27.2	1988.8		
SMDH 00189	20.3	69.1	186.4	16.8	55.6513	10.7196	0.92076	6.2	0.8	3.9	0.8	1.9	0.3	2.6	0.3	34.0	2.4	13.7	598.0	47.2	1693.3		
SMDH 00189	23.4	64.7	109.1	16.8	54.4919	9.91272	2.18681	6.6	0.9	5.2	0.9	2.6	0.3	3.0	0.3	16.6	1.5	8.1	371.3	21.5	1082.2	2.8	1.2
SMDH 00189	31.3	81.6	163.6	19.1	63.7671	10.9501	1.72643	7.2	1.1	5.3	1.1	2.9	0.3	3.2	0.3	27.5	1.8	7.9	361.6	24.3	1044.4		
SMDH 00189	16.6	31.3	65.2	7.3	24.3474	4.49531	1.26605	3.4	0.3	3.0	0.6	1.5	0.3	1.7	0.3	9.1	0.9	5.8	275.6	14.3	730.7		
SMDH 00189	19.4	47.6	99.9	11.3	39.4197	7.14638	1.49624	5.3	0.7	3.9	0.7	1.8	0.3	1.8	0.3	15.9	1.3	5.1	236.0	20.0	951.6		1.4
SMDH 00189	20.4	52.3	102.0	10.9	38.2603	6.68533	1.38114	4.6	0.3	3.8	0.6	2.1	0.3	1.9	0.3	16.9	1.2	6.5	291.8	14.3	711.5		
SMDH 00189	23.2	51.9	102.5	12.1	41.7385	7.37691	1.72643	5.7	0.8	4.4	0.8	2.2	0.3	2.3	0.3	14.4	1.4	7.9	351.7	20.0	994.4	0.3	
SMDH 00189	33.2	64.2	131.7	15.0	52.1731	8.41429	1.49624	6.4	0.9	5.8	1.1	3.1	0.3	3.5	0.3	20.9	1.8	8.7	380.1	27.2	1079.9		
SMDH 00189	22.9	51.3	109.8	12.1	41.7385	7.14638	1.38114	4.9	0.7	4.0	0.8	2.2	0.3	2.5	0.3	17.5	1.3	7.4	331.8	15.7	956.8		1.5
SMDH 00190	45.0	152.8	321.5	37.1	131.012	22.5918	0.80567	14.2	1.6	8.2	1.6	4.1	0.7	4.4	0.6	59.6	4.8	22.3	997.0	17.2	1235.5		
SMDH 00190	29.0	63.1	140.6	15.3	51.0137	8.76008	1.49624	6.3	0.9	5.6	1.1	3.0	0.3	3.1	0.3	23.5	1.8	8.6	384.3	41.5	1706.6	1.1	
SMDH 00190	38.0	48.3	107.1	12.6	42.8979	8.87535	1.95662	6.3	1.1	6.5	1.4	3.5	0.7	4.3	0.3	14.8	1.2	8.1	364.6	41.5	2702.9		1.4
SMDH 00190	33.2	74.7	154.6	18.4	57.9701	10.7196	1.49624	7.0	0.9	5.7	1.1	3.2	0.6	3.5	0.3	27.1	2.0	7.3	322.2	28.6	727.9		
SMDH 00190	38.3	61.4	123.1	14.7	48.6949	8.87535	1.49624	5.8	0.9	6.2	1.4	3.9	0.7	4.3	0.6	22.1	1.4	7.4	328.1	31.5	1089.7		
SMDH 00190	21.7	52.1	102.1	11.9	40.5791	7.14638	1.03586	4.7	0.6	4.0	0.8	2.1	0.3	2.4	0.3	18.5	1.1	4.8	216.4	18.6	739.1	0.4	1.5
SMDH 00190	28.3	62.6	128.9	14.9	49.8543	8.87535	1.38114	5.7	0.8	4.9	1.0	2.7	0.3	2.8	0.3	23.4	1.3	6.3	291.9	18.6	745.6		
SMDH 00190	34.3	63.3	131.5	15.6	49.8543	8.76008	1.38114	5.6	0.8	5.5	1.3	3.5	0.7	4.1	0.3	22.7	1.8	8.1	349.5	21.5	881.1		
SMDH 00190	37.8	62.6	130.9	15.4	53.3325	9.22114	1.26605	6.0	0.9	6.1	1.4	3.8	0.6	3.6	0.3	22.5	1.8	7.8	353.9	15.7	887.6		1.5
SMDH 00190	37.9	78.6	155.7	17.1	60.2889	11.2959	1.61133	6.9	0.9	6.3	1.4	4.0	0.7	4.2	0.7	30.1	2.2	10.8	493.2	21.5	793.3	1.0	1.4
SMDH 00190	36.0	84.2	165.6	18.4	63.7671	10.9501	1.95662	7.2	0.9	6.2	1.3	4.0	0.6	4.1	0.6	31.5	2.2	7.0	321.6	27.2	888.6		
SMDH 00190	40.8	95.6	186.5	22.1	73.0423	13.2554	1.84152	8.0	1.2	7.2	1.5	3.9	0.7	4.1	0.6	30.8	2.1	11.8	496.1	25.7	668.1	0.3	
SMDH 00190	34.3	83.6	169.6	19.7	66.0859	12.3333	1.49624	7.9	1.1	6.1	1.1	3.2	0.6	3.5	0.3	31.3	1.8	8.0	321.8	27.2	985.3		
SMDH 00190	41.8	85.2	175.1	20.1	66.0859	12.3333	1.72643	7.8	1.1	7.7	1.5	4.2	0.7	4.1	0.6	29.6	2.8	11.6	488.9	27.2	898.9		1.5
SMDH 00191	50.4	176.1	364.7	43.0	141.447	23.8597	1.15095	15.4	2.0	10.1	1.8	4.7	0.8	4.8	0.7	66.8	4.2	22.9	992.7	17.2	612.5		
SMDH 00191	19.4	70.5	158.7	16.6	53.3325	9.3364	1.15095	5.4	0.7	3.7	0.7	2.1	0.3	2.3	0.3	27.3	1.2	7.9	349.9	27.2	761.3	0.8	
SMDH 00191	27.0	73.5	151.6	17.8	56.8107	10.1433	1.38114	6.4	0.8	4.8	0.9	2.6	0.3	3.0	0.3	26.9	1.2	8.0	331.8	18.6	896.5		1.6
SMDH 00191	36.1	89.4	187.7	21.7	73.0423	13.0249	1.61133	8.5	1.1	6.3	1.3	3.4	0.6	3.8	0.3	32.6	1.9	8.6	372.6	27.2	985.3		
SMDH 00191	48.3	92.0	181.5	22.5	70.7235	12.5638	1.61133	8.4	1.2	7.0	1.7	4.2	0.7	5.3	0.7	31.9	2.2	16.2	907.1	35.8	1061.4	0.5	1.4
SMDH 00191	36.4	76.6	158.9	18.3	62.6077	10.7196	1.26605	6.9	0.9	5.5	1.3	3.5	0.6	4.2	0.7	29.5	2.2	8.8	394.7	21.5	819.0		
SMDH 00191	36.6	96.2	196.8	23.7	76.5205	13.947	1.61133	8.1	1.1	5.8	1.3	3.4	0.7	4.1	0.6	37.4	2.4	10.6	480.2	22.9	970.3		
SMDH 00191	40.2	88.8	183.7	22.1	70.7235	12.4485	1.49624	7.8	0.9	6.1	1.5	3.9	0.7	4.7	0.7	33.4	1.9	10.0	445.6	21.5	1138.8		1.4
SMDH 00191	26.2	73.7	149.6	18.1	56.8107	10.028	1.61133	6.0	0.7	4.2	0.9	2.5	0.3	3.1	0.3	27.8	1.5	8.0	351.5	20.0	931.6	0.4	
SMDH 00191	38.7	93.5	194.6	23.4	75.3611	13.0249	1.49624	7.9	0.9	6.3	1.4	3.8	0.7	4.4	0.6	37.1	2.2	7.8	363.5	18.6	908.7		
SMDH 00192	47.4	217.5	465.5	56.4	184.345	35.8472	1.49624	21.9	2.3	10.3	1.7	4.0	0.6	4.2	0.6	110.4	4.7	27.2	1217.9	12.9	790.2		1.4
SMDH 00192	44.0	126.1	257.2	33.5	107.824	20.2865	1.84152	12.5	1.5	7.9	1.6	3.8	0.6	4.0	0.6	61.9	2.1	11.7	519.7	28.6	1179.9		
SMDH 00192	56.0	158.7	338.6	41.8	141.447	26.626	1.84152	16.4	1.9	10.7	1.9	4.9	0.8	5.0	0.7	79.4	2.8	14.0	577.7	31.5	1229.4	0.6	
SMDH 00192	44.2	129.5	280.0	35.1	122.897	22.3613	1.49624	15.4	1.6	9.3	1.7	4.1	0.7	4.9	0.7	66.5	2.4	11.2	462.1	20.0	998.6		1.6
SMDH 00192	38.5	116.7	250.7	31.6	106.665	19.2491	1.72643	11.8	1.3	6.9	1.4	3.4	0.6	4.2	0.7	59.3	1.4	10.5	432.3	11.4	956.6		
SMDH 00192	38.3	142.4	302.0	37.1	127.534	22.3613	1.72643	13.4	1.4	7.1	1.4	3.3	0.6	3.9	0.6	68.8	1.5	10.7	461.2	12.9	998.6		
SMDH 00193	23.8	89.5	189.5	22.6	79.9987	14.7538	0.57548	8.7	0.9	4.7	0.8	1.8	0.3	1.9	0.3	43.4	2.1	10.4	472.8	8.6	477.2	0.6	1.5
SMDH 00193	24.0	72.8	153.7	16.9	60.2889	10.9501	1.15095	7.1	0.8	4.6	0.8	2.4	0.3	2.3	0.3	34.3	1.5	8.0	371.2	14.3	619.7		
SMDH 00193	23.2	82.4	179.8	19.3	70.7235	13.0249	1.38114	7.7	0.8	4.6	0.8	2.4	0.3	1.8	0.3	43.3	1.5	7.3	349.6	15.7	675.3		
SMDH 00193	35.5	96.4	195.8	22.6	84.6363	16.137	1.84152	9.3	1.2	6.3	1.3	3.7	0.3	3.3	0.3	48.7	1.8	7.9	363.6	24.3	800.0	1.2	1.4
SMDH 00193	36.1	74.8	161.4	20.1	69.5641	13.3707	1.49624	9.3	1.1	6.6	1.3	3.1	0.3	3.3	0.3	37.4	1.5	10.3	433.6	21.5	854.5		
SMDH 00193	31.2	89.8	195.7	23.9	83.4769	15.7912	1.38114	10.0	1.2	5.8	1.1	2.4	0.3	2.3	0.3	45.7	1.7	10.0	431.2	31.5	847.7		
SMDH 00193	50.7	107.3	224.4	25.5	96.2303	16.9438	1.72643	11.5	1.5	8.8	1.6	5.1	0.8	4.9	0.7	58.4	2.1	9.4	433.2	25.7	957.3		
SMDH 00193	40.4	86.5	187.9	22.3	78.8393	15.7912	1.84152	10.1	1.3	7.1	1.4	3.3	0.3	3.5	0.3	42.6	1.8	8.3	348.1	24.3	790.0		1.5
SMDH 00193	31.8	86.8	186.0	21.0	77.6799	14.6386	1.84152	9.6	1.2	6.1	1.1	3.0	0.3	2.2	0.3	40.9	1.4	12.7	645.7	32.9	950.7	0.6	
SMDH 00194	23.6	71.9	150.5	15.9	61.4483	10.489	1.15095	6.6	0.8	4.1	0.8	2.3	0.3	1.8	0.3	29.1	1.4	9.2	351.2	21.5	560.6		
SMDH 00194	31.6	150.5	309.7	34.1	128.694	20.517	2.07171	11.9	1.4	6.4	1.1	2.7	0.3	1.9	0.3	62.5	2.0	12.1	497.9	30.0	1027.8		1.4
SMDH 00194	45.9	144.3	308.9	33.5	125.215	20.6323	2.07171	13.1	1.5	8.4	1.6	4.6	0.7	4.0	0.7	66.8	2.8	10.3	411.6	24.3	593.3		
SMDH 00194	44.0	101.1	215.3	23.1	88.1145	15.6759	1.72643	9.1	1.2	6.6	1.5	4.1	0.6	3.5	0.7	43.8	2.2	11.9	481.7	31.5	904.0	0.6	
SMDH 00194	41.4	100.1	213.8	23.2	86.9551	15.0996	1.84152	9.1	1.2	7.0	1.4	3.9	0.6	3.4	0.6	43.4	2.1	9.3	403.1	31.5	869.0		1.4
SMDH 00194	52.7	128.5	272.2	28.6	108.984	17.866	2.18681	11.2	1.5	8.6	1.8	5.0	0.8	4.2	0.8	52.4	2.2	12.0	523.4	30.0	976.4		
SMDH 00194	43.5	110.0	236.9	26.2	97.3897	16.5981	1.95662	9.7	1.3	6.9	1.6	4.1	0.7	3.9	0.8	48.4	2.2	9.0	359.0	35.8	843.3		
SMDH 00194	38.8	130.1	290.7	33.6	121.737	19.9407	2.07171	12.3	1.5	7.8	1.4	3.1	0.3	3.2	0.3	61.2	2.8	10.3	424.3	32.9	871.3	0.3	1.6
SMDH 00194	37.6	161.4	348.3	40.8	141.447	23.0528	2.07171	13.3	1.8	7.8	1.4	3.2	0.3	2.8	0.3	71.1	2.1	12.0	525.3	21.5	1118.9		
SMDH 00194	23.6	128.0	278.0	31.0	111.303	17.1744	2.18681	9.9	1.1	5.2	0.9	2.1	0.3	2.0	0.3	52.8	1.7	11.9	500.7	17.2	1065.2		
SMDH 00195	62.7	193.8	425.0	48.6	179.707	30.3145	1.72643	19.6	2.5	13.6	2.2	5.0	0.7	4.9	0.7	85.7	6.0	32.8	1370.8	17.2	686.8		1.2
SMDH 00195	33.0	92.4	201.3	22.9	84.6363	14.7538	1.49624	9.2	1.3	6.8	1.3	2.9	0.3	2.7	0.3	39.4	2.7	10.3	423.9	20.0	686.8	0.7	
SMDH 00195	32.6	79.2	169.6	19.3	69.5641	13.0249	1.61133	7.9	1.1	6.5	1.1	2.7	0.3	2.7	0.3	32.3	2.6	7.9	329.6	30.0	642.4		
SMDH 00195	33.5	104.9	209.0	24.5	86.9551	14.5233	1.95662	9.4	1.3	6.4	1.3	2.6	0.3	2.7	0.3	36.6	2.2	12.0	563.3	50.1	801.2		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00195	36.2	101.3	219.7	25.3	91.5927	15.6759	1.84152	10.3	1.4	7.3	1.3	3.1	0.3	3.0	0.3	42.2	2.1	9.6	417.8	25.7	880.6		
SMDH 00195	26.6	116.0	237.9	27.5	98.5491	15.9065	1.95662	9.5	1.2	5.3	0.9	2.2	0.3	2.4	0.3	46.7	1.9	13.1	601.6	18.6	911.0	0.5	
SMDH 00195	24.3	95.2	197.6	22.1	76.5205	11.757	1.84152	7.3	0.8	4.6	0.9	2.2	0.3	2.7	0.3	37.6	1.3	13.7	615.0	17.2	1193.9		1.6
SMDH 00195	21.2	108.0	225.3	25.2	86.9551	12.9096	1.95662	8.1	0.9	4.2	0.8	1.9	0.3	1.7	0.3	41.7	1.3	12.6	536.5	15.7	941.4		
SMDH 00196	62.6	196.2	407.7	46.6	162.316	28.0092	1.49624	17.5	2.2	11.3	2.3	4.9	0.7	4.8	0.7	84.6	5.1	29.8	1279.1	15.7	731.1		
SMDH 00196	47.7	106.3	223.9	25.0	91.5927	16.2523	1.72643	10.2	1.5	8.5	1.7	4.0	0.6	4.1	0.3	46.0	4.0	9.1	391.5	27.2	876.0	1.7	1.4
SMDH 00196	38.1	114.4	238.2	26.9	96.2303	16.137	1.95662	9.7	1.3	6.9	1.3	2.9	0.3	3.0	0.3	47.0	2.7	68.3	4122.1	28.6	939.0		
SMDH 00196	38.0	126.8	276.8	29.4	106.665	18.0965	1.61133	11.2	1.4	7.2	1.4	3.1	0.3	3.0	0.3	57.9	2.9	12.1	563.7	24.3	1060.5		
SMDH 00196	40.2	139.9	276.6	32.4	111.303	18.0965	2.30191	11.8	1.5	8.2	1.5	3.4	0.3	3.4	0.3	51.8	2.6	11.9	520.3	37.2	1062.8		1.5
SMDH 00196	44.1	145.5	305.9	36.5	120.578	21.3239	1.84152	14.3	1.8	9.0	1.6	3.8	0.6	3.5	0.3	67.6	4.0	12.3	504.7	25.7	1111.0		
SMDH 00197	40.6	86.9	197.5	20.8	71.8829	12.5638	1.15095	8.7	1.1	6.8	1.5	3.2	0.7	3.9	0.6	34.3	2.6	21.0	904.6	21.5	560.1	1.4	
SMDH 00197	21.9	58.9	130.6	14.1	49.8543	8.64482	1.38114	6.1	0.6	4.2	0.7	1.8	0.3	1.8	0.3	23.2	1.3	13.0	577.7	17.2	745.2		
SMDH 00197	19.5	65.5	138.6	14.9	52.1731	8.41429	1.49624	5.8	0.6	3.7	0.8	1.5	0.3	1.3	0.3	24.4	1.1	11.0	465.1	17.2	750.3		1.6
SMDH 00197	50.4	107.4	247.3	26.4	90.4333	16.2523	1.61133	11.0	1.3	9.2	2.1	4.5	0.8	5.0	0.7	44.9	2.0	11.9	541.5	21.5	1050.9		
SMDH 00197	42.1	88.7	197.1	20.5	71.8829	13.0249	2.18681	9.1	1.1	8.0	1.7	3.3	0.7	3.8	0.3	34.1	1.7	9.6	461.3	24.3	901.9	1.3	
SMDH 00197	18.1	55.0	124.0	13.2	44.0573	7.60744	1.61133	5.2	0.3	3.4	0.7	1.4	0.3	1.4	0.3	21.8	1.2	11.0	489.9	18.6	1079.2		1.5
SMDH 00197	30.8	72.6	162.5	16.7	59.1295	10.6043	1.03586	7.2	0.8	5.3	1.1	2.5	0.3	2.8	0.3	28.0	1.4	11.3	468.7	21.5	722.0		
SMDH 00197	44.6	94.5	213.9	24.1	78.8393	13.8317	1.49624	9.6	1.4	9.7	2.1	4.3	0.9	5.2	0.8	40.4	2.2	11.3	504.3	22.9	1138.3	1.1	1.6
SMDH 00197	55.3	99.5	212.9	24.4	83.4769	14.8691	1.38114	9.6	1.4	8.5	1.8	4.7	0.8	5.3	0.8	39.0	2.6	11.0	488.2	31.5	897.7		1.6
SMDH 00197	44.5	99.8	213.8	25.0	85.7957	14.9844	1.49624	9.2	1.3	7.6	1.6	4.0	0.7	4.7	0.7	39.5	3.4	10.1	439.1	103.0	861.0		
SMDH 00197	33.5	67.3	143.4	16.5	55.6513	10.1433	1.49624	6.5	0.9	5.7	1.0	2.7	0.3	2.7	0.3	26.9	2.2	7.8	339.2	14.3	605.9		
SMDH 00198	40.9	110.3	237.5	28.0	88.1145	14.8691	1.26605	10.4	1.4	7.6	1.5	3.3	0.6	4.3	0.7	44.7	3.7	22.1	1216.9	27.2	863.3		
SMDH 00198	35.5	96.1	203.7	23.7	79.9987	14.7538	1.15095	9.1	1.3	6.3	1.3	2.6	0.6	3.8	0.6	38.3	3.1	15.7	822.5	18.6	1213.7		
SMDH 00198	39.4	142.0	299.7	34.9	113.621	19.2491	1.84152	11.5	1.5	7.8	1.4	3.2	0.6	3.3	0.3	65.0	3.4	17.8	755.8	20.0	689.6	3.5	1.6
SMDH 00198	14.1	79.2	165.9	19.8	62.6077	11.0654	1.38114	6.9	0.7	3.4	0.3	0.8	0.3	0.8	0.3	31.8	1.8	8.4	408.9	18.6	969.9		1.4
SMDH 00198	13.2	72.7	154.1	17.4	59.1295	10.6043	1.61133	6.4	0.7	3.3	0.3	0.8	0.3	0.7	0.3	30.1	1.7	9.3	492.1	21.5	1233.4	1.2	
SMDH 00198	11.2	62.7	134.1	14.9	49.8543	8.18376	1.61133	5.3	0.7	2.7	0.3	0.7	0.3	0.8	0.3	25.7	1.1	7.7	400.4	22.9	1160.5		
SMDH 00198	14.8	67.1	139.6	16.2	55.6513	9.45167	1.38114	5.6	0.6	3.0	0.3	1.0	0.3	1.4	0.3	26.8	1.3	7.5	360.3	20.0	992.3		1.7
SMDH 00198	21.5	77.9	171.0	20.2	66.0859	11.2959	1.61133	7.4	0.9	4.4	0.8	1.6	0.3	1.8	0.3	32.4	1.7	10.7	537.5	24.3	1264.2		
SMDH 00198	35.2	107.1	214.8	24.5	88.1145	14.6386	1.15095	9.2	0.9	6.6	1.3	3.2	0.6	3.5	0.3	39.2	2.2	10.3	434.4	28.6	1147.2	1.4	
SMDH 00198	21.9	81.3	170.0	19.2	66.0859	12.7943	1.49624	8.1	0.8	4.9	0.8	1.9	0.3	1.7	0.3	30.8	2.7	7.4	316.2	25.7	1072.2		1.5
SMDH 00198	12.8	51.0	104.1	11.6	40.5791	5.53268	1.03586	4.0	0.3	2.6	0.3	1.0	0.3	1.3	0.3	18.1	1.7	15.6	688.8	31.5	1067.0		
SMDH 00198	22.3	82.3	168.0	18.5	64.9265	11.4112	1.26605	7.3	0.8	4.9	0.8	1.9	0.3	1.8	0.3	30.4	2.4	7.4	329.1	20.0	993.5		
SMDH 00198	20.3	87.2	182.2	20.8	69.5641	11.8722	1.15095	7.0	0.8	3.9	0.7	1.6	0.3	1.7	0.3	33.4	2.0	9.0	382.3	18.6	1027.8	1.3	1.0
SMDH 00198	9.6	33.7	68.5	7.6	26.6662	3.91898	1.49624	2.4	0.3	1.9	0.3	1.0	0.3	0.9	0.3	10.6	0.7	3.3	146.4	8.6	515.1		
SMDH 00199	18.1	45.3	98.1	11.0	41.7385	6.91585	0.69057	4.8	0.3	3.4	0.7	1.8	0.3	1.6	0.3	19.5	1.2	8.5	389.0	11.4	499.4	1.1	1.5
SMDH 00199	32.4	83.3	177.9	20.1	71.8829	12.1027	1.15095	7.9	0.9	6.1	1.1	3.2	0.3	3.3	0.3	33.8	2.5	15.6	711.2	22.9	754.3		
SMDH 00199	34.0	100.7	210.4	24.0	82.3175	14.1775	1.38114	10.0	1.2	6.2	1.3	3.0	0.3	3.0	0.3	41.6	2.5	13.9	606.5	15.7	814.8		
SMDH 00199	27.0	66.6	138.3	16.1	59.1295	9.6822	1.15095	6.6	0.8	4.6	0.9	2.6	0.3	2.8	0.3	27.8	1.9	7.2	296.2	22.9	788.4		1.5
SMDH 00199	19.5	58.3	116.5	14.2	49.8543	8.87535	1.15095	6.3	0.7	3.9	0.7	1.7	0.3	2.3	0.3	22.7	1.7	8.0	320.5	21.5	647.5	1.9	
SMDH 00199																							
SMDH 00199	10.3	58.0	123.2	13.2	47.5355	7.7227	1.03586	4.8	0.3	2.3	0.3	0.8	0.3	1.0	0.3	20.1	0.9	8.5	271.8	21.5	508.8		
SMDH 00199	6.5	42.8	84.3	10.1	34.782	5.87848	1.61133	3.3	0.3	1.6	0.3	0.3	0.3	0.6	0.3	16.7	1.1	10.1	482.2	14.3	587.7		1.6
SMDH 00199	14.4	97.2	199.1	23.2	78.8393	14.0622	1.49624	7.6	0.8	3.3	0.6	1.3	0.3	1.3	0.3	40.9	1.9	12.0	554.8	18.6	699.6	1.4	
SMDH 00200	28.5	55.0	112.9	13.8	48.6949	7.37691	0.92076	5.5	0.8	4.7	1.0	2.4	0.3	3.0	0.3	21.6	1.3	9.2	425.4	11.4	526.0		1.5
SMDH 00200	28.6	62.6	125.6	15.4	53.3325	9.45167	1.03586	5.8	0.8	4.5	0.9	2.5	0.3	2.8	0.3	24.2	1.5	8.0	368.4	15.7	616.7		
SMDH 00200	34.7	88.2	179.4	22.3	76.5205	13.1401	0.92076	8.7	1.1	6.1	1.1	3.0	0.6	3.4	0.3	36.1	2.4	19.9	903.6	15.7	591.7		
SMDH 00200	46.3	143.1	288.3	35.7	125.215	21.3239	1.72643	14.9	1.6	8.6	1.6	3.7	0.7	3.6	0.7	59.4	3.5	22.3	994.2	18.6	966.6	3.8	1.4
SMDH 00200	50.3	228.8	488.6	57.3	195.939	34.1182	1.49624	21.8	2.5	10.9	1.9	4.0	0.6	3.8	0.6	102.1	5.2	15.6	712.3	17.2	797.9		
SMDH 00200	26.9	68.4	140.0	16.2	61.4483	10.7196	1.03586	8.0	1.1	5.3	0.9	2.4	0.3	2.5	0.3	26.3	2.1	9.1	393.5	22.9	904.2		
SMDH 00200	33.3	85.3	181.6	21.0	73.0423	13.6012	1.26605	10.1	1.3	6.4	1.0	2.5	0.3	3.2	0.3	34.0	2.9	11.2	496.7	25.7	915.7		1.4
SMDH 00200	28.5	72.6	153.3	17.7	62.6077	11.1806	1.49624	8.4	1.1	5.5	1.0	2.5	0.3	2.7	0.3	28.6	2.2	9.8	424.4	27.2	904.2	1.7	
SMDH 00200	6.2	16.8	31.2	3.5	11.594	2.07476	1.95662	1.4	0.3	1.0	0.3	0.6	0.3	0.7	0.3	3.9	0.3	7.2	316.2	34.3	598.9		
SMDH 00201	59.4	116.0	248.5	27.9	95.0709	17.1744	1.95662	10.9	1.5	9.6	1.9	4.9	0.9	5.8	0.8	45.7	3.1	16.6	701.5	28.6	1140.6		
SMDH 00201	50.2	102.1	226.0	24.9	84.6363	14.9844	1.95662	9.7	1.3	8.1	1.6	4.3	0.7	4.8	0.7	39.6	2.7	12.4	518.4	24.3	1248.5		1.4
SMDH 00201	44.4	128.5	269.6	30.5	104.346	17.9812	1.49624	10.3	1.4	7.9	1.5	3.8	0.7	4.0	0.6	52.1	3.4	23.0	963.0	17.2	940.2	2.1	
SMDH 00201	38.5	112.7	241.9	27.4	91.5927	15.7912	1.26605	9.4	1.3	7.1	1.3	3.2	0.6	3.4	0.3	47.9	3.2	21.0	893.8	30.0	818.7		
SMDH 00201	39.4	156.4	331.8	38.0	126.375	22.3613	1.26605	12.5	1.5	7.8	1.4	3.2	0.3	3.2	0.3	66.3	3.7	20.3	877.5	12.9	852.6		1.5
SMDH 00201	106.2	701.1	1405.2	145.1	473.036	77.4576	2.64719	38.5	4.9	23.6	3.5	7.1	0.9	5.3	0.8	368.4	11.6	13.8	565.4	15.7	1171.0		
SMDH 00201	28.5	97.5	200.8	22.6	75.3611	13.1401	1.61133	7.6	1.1	5.4	1.0	2.5	0.3	2.6	0.3	39.2	2.2	9.9	398.9	18.6	629.3	1.4	
SMDH 00201	36.6	83.0	170.3	19.2	64.9265	10.9501	1.72643	6.5	0.9	6.1	1.1	3.1	0.6	3.9	0.6	33.7	3.3	8.7	338.2	41.5	590.3		1.4
SMDH 00201	46.0	97.1	200.9	23.5	83.4769	13.947	1.38114	10.0	1.3	8.1	1.6	4.3	0.8	5.1	0.8	40.0	2.7	9.6	390.4	18.6	751.7		1.5
SMDH 00201	43.0	99.0	199.7	24.5	84.6363	15.7912	1.26605	11.3	1.4	8.0	1.5	3.5	0.7	3.8	0.7	38.6	2.6	7.7	323.1	27.2	779.3		
SMDH 00201	44.0	80.8	169.7	20.1	74.2017	13.6012	1.26605	9.1	1.4	7.1	1.5	4.2	0.6	4.2	0.6	34.2	2.6	9.0	325.1	20.0	938.1	2.0	
SMDH 00201	10.9	48.2	98.1	11.6	41.7385	7.03112	0.92076	4.6	0.3	2.4	0.3	0.9	0.3	0.8	0.3	19.6	2.7	6.6	303.8	11.4	302.3		1.8
SMDH 00201	21.0	92.0	187.7	22.2	76.5205	12.9096	1.26605	8.4	0.9	4.5	0.8	1.7	0.3	1.7	0.3	36.9	2.1	5.8	240.0	14.3	749.6		
SMDH 00201	11.2	52.3	105.0	12.1	42.8979	7.37691	1.03586	4.6	0.3	2.2	0.3	1.0	0.3	1.0	0.3	20.0	1.2	7.2	308.0	15.7	918.7		
SMDH 00201	24.8	86.0	173.7	20.4	73.0423	13.1401	1.15095	8.0	1.1	4.7	0.9	1.9	0.3	2.3	0.3	36.7	2.0	9.0	341.8	18.6	797.9	1.6	1.6
SMDH 00201	22.8	71.1	146.9	17.2	61.4483	10.489	1.03586	7.8	0.8	4.4	0.8	1.8	0.3	1.7	0.3	29.9	1.7	6.6	267.2	18.6	701.2		
SMDH 00202	38.9	84.5	177.4	20.1	75.3611	11.757	1.61133	8.9	1.2	6.5	1.4	3.5	0.3	4.1	0.6	32.3	2.2	18.3	789.8	22.9	1160.5		
SMDH 00202	36.8	70.6	149.9	17.3	61.4483	10.9501	1.49624	7.3	1.1	6.1	1.3	3.3	0.3	3.5	0.6	26.9	1.9	11.9	449.1	28.6	1259.5		1.7

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00202	29.8	97.8	204.5	23.7	83.4769	13.7164	1.03586	9.4	1.1	5.8	1.1	2.6	0.3	2.8	0.3	40.0	2.8	23.3	1019.2	20.0	729.5	3.5	1.6
SMDH 00202	40.9	143.0	288.4	33.3	112.462	19.4797	1.61133	10.9	1.4	7.7	1.4	3.2	0.3	3.4	0.3	55.8	3.2	15.2	642.7	18.6	743.3		
SMDH 00202	66.9	257.4	539.9	62.3	222.605	35.8472	1.49624	24.3	2.8	14.5	2.3	5.8	0.8	5.8	0.7	113.7	6.6	21.6	943.7	25.7	1015.9		1.6
SMDH 00202	28.1	65.5	131.7	14.9	51.0137	9.10587	1.15095	6.3	0.8	4.7	0.9	2.5	0.3	2.4	0.3	25.0	2.0	8.7	369.4	30.0	577.9		
SMDH 00202	27.8	52.9	111.9	12.5	42.8979	7.7227	1.26605	5.4	0.8	4.8	0.9	2.5	0.3	2.7	0.3	19.9	1.8	5.9	252.7	15.7	633.7	1.1	1.6
SMDH 00202	22.8	57.1	120.9	13.7	48.6949	8.18376	1.49624	5.6	0.7	4.6	0.8	2.2	0.3	2.2	0.3	21.9	2.5	8.3	326.1	25.7	679.7	1.5	
SMDH 00202	31.6	55.2	114.9	13.2	45.2167	8.41429	0.92076	6.2	0.8	5.3	1.0	3.0	0.3	3.6	0.3	21.6	2.1	8.6	364.9	17.2	625.3		1.6
SMDH 00202	39.2	92.7	185.9	20.5	70.7235	11.757	0.92076	8.6	1.1	6.8	1.4	3.4	0.3	3.9	0.6	34.0	2.8	7.3	282.3	25.7	954.0		
SMDH 00202	54.9	87.2	171.9	19.5	66.0859	11.5264	0.92076	8.8	1.3	8.5	1.9	5.4	0.8	5.7	0.8	32.6	3.2	6.7	274.2	22.9	1112.6		
SMDH 00202	33.8	67.1	133.2	15.3	52.1731	9.3364	1.15095	6.4	0.8	5.7	1.3	3.5	0.6	3.9	0.6	25.9	2.5	6.3	264.1	17.2	756.8	1.8	1.5
SMDH 00202	51.8	84.2	167.3	20.5	67.2453	11.6417	0.80567	8.9	1.2	8.7	1.9	5.0	1.0	7.2	0.9	34.4	4.4	7.8	292.0	20.0	523.2		
SMDH 00202	16.0	55.8	110.3	13.0	44.0573	7.14638	1.38114	5.3	0.6	3.0	0.7	1.6	0.3	1.6	0.3	21.9	1.8	6.4	273.7	25.7	819.7		
SMDH 00202	18.6	86.9	174.0	21.3	69.5641	10.8348	1.03586	6.8	0.7	3.8	0.7	1.5	0.3	2.0	0.3	36.0	2.8	14.4	634.3	22.9	936.9		1.5
SMDH 00202	20.3	104.2	215.0	23.4	81.1581	12.9096	2.30191	8.0	0.9	4.5	0.7	1.7	0.3	1.4	0.3	40.9	2.4	5.7	226.7	14.3	717.4		
SMDH 00202	13.1	61.7	107.7	12.9	46.3761	7.7227	0.57548	5.3	0.7	3.0	0.3	0.8	0.3	0.8	0.3	21.5	3.1	4.1	177.9	35.8	497.1	1.6	
SMDH 00202	20.0	112.3	206.5	24.6	89.2739	14.7538	1.26605	9.6	0.9	4.9	0.8	1.6	0.3	1.4	0.3	43.2	4.4	9.4	370.1	28.6	1000.7		
SMDH 00202	14.6	76.2	156.0	17.4	62.6077	10.1433	1.03586	6.2	0.7	3.7	0.6	1.1	0.3	1.1	0.3	29.8	2.1	8.6	351.6	15.7	495.4		1.6
SMDH 00202	16.2	99.8	201.4	23.5	79.9987	13.6012	1.49624	7.8	0.8	3.4	0.6	1.4	0.3	1.4	0.3	41.6	1.5	5.1	201.5	12.9	474.2		
SMDH 00203	34.5	68.6	138.3	16.8	61.4483	10.8348	1.15095	7.6	0.9	6.4	1.3	3.0	0.3	3.5	0.3	28.8	2.1	12.9	525.9	17.2	773.4	2.8	
SMDH 00203	26.9	59.4	118.2	13.2	47.5355	8.18376	1.26605	6.1	0.8	4.6	1.0	2.4	0.3	2.8	0.3	19.6	1.8	11.1	468.7	24.3	996.5		1.5
SMDH 00203	31.1	69.7	143.8	16.5	56.8107	10.028	1.49624	7.6	0.9	5.4	1.1	3.0	0.6	3.2	0.3	25.7	2.5	11.9	528.4	24.3	986.7		
SMDH 00203	53.0	55.9	111.3	13.5	44.0573	9.91272	1.84152	8.5	1.4	9.2	1.8	4.8	0.9	5.7	0.7	15.9	2.1	7.8	331.8	31.5	1334.0		
SMDH 00203	37.0	28.2	58.3	7.3	25.5068	5.64795	1.38114	5.8	0.9	6.0	1.3	3.4	0.6	3.9	0.3	7.8	1.3	3.5	166.6	21.5	820.8	2.2	1.5
SMDH 00203	24.2	28.2	57.8	6.8	23.188	5.18689	1.38114	4.1	0.6	3.9	0.8	2.1	0.3	2.3	0.3	8.7	1.2	5.2	223.8	17.2	633.0		
SMDH 00203	20.9	61.1	127.3	14.1	47.5355	7.95323	1.38114	4.9	0.7	3.7	0.7	1.8	0.3	1.9	0.3	23.7	1.7	7.5	296.8	12.9	587.9		
SMDH 00203	7.0	38.3	73.8	8.3	26.6662	4.95636	1.84152	3.1	0.3	1.5	0.3	0.3	0.3	0.3	0.3	12.7	0.3	0.7	39.2	14.3	251.6		
SMDH 00203	19.4	43.5	86.8	10.1	34.782	6.4548	1.72643	4.7	0.6	3.8	0.8	1.8	0.3	1.8	0.3	14.9	0.9	3.4	149.0	14.3	437.3		1.7
SMDH 00203	25.7	43.3	89.5	10.6	35.9414	7.60744	1.61133	5.4	0.7	4.9	0.9	2.5	0.3	2.7	0.3	16.1	1.3	5.7	234.0	18.6	693.1	1.4	
SMDH 00203	22.8	48.7	101.0	11.6	40.5791	7.37691	1.49624	5.4	0.7	3.9	0.8	1.9	0.3	2.0	0.3	18.7	1.1	5.1	225.3	30.0	470.9		
SMDH 00203	19.5	53.1	110.0	12.2	42.8979	8.18376	1.15095	5.3	0.7	3.6	0.7	1.7	0.3	1.8	0.3	21.5	1.4	5.4	238.3	20.0	448.0		1.4
SMDH 00203	21.3	51.5	106.3	12.2	41.7385	8.41429	1.38114	5.7	0.7	4.2	0.7	1.9	0.3	1.9	0.3	19.6	1.5	7.4	307.4	25.7	673.7		
SMDH 00203	17.6	57.9	119.1	14.2	46.3761	8.52955	1.61133	5.0	0.7	3.3	0.7	1.5	0.3	1.3	0.3	23.1	1.4	7.1	298.3	18.6	472.6	0.9	
SMDH 00203	17.1	58.5	118.5	13.1	44.0573	7.26165	1.26605	4.6	0.6	3.4	0.6	1.5	0.3	1.5	0.3	22.4	1.3	6.7	269.9	18.6	504.3		1.6
SMDH 00203	27.0	65.7	138.1	15.1	49.8543	8.99061	1.49624	5.6	0.8	4.8	0.9	2.4	0.3	2.5	0.3	28.0	1.9	8.5	350.1	17.2	641.2	0.5	
SMDH 00203	34.7	70.4	147.2	15.5	54.4919	9.22114	1.61133	6.2	0.9	6.1	1.1	3.8	0.3	3.0	0.3	29.8	2.1	8.5	348.5	24.3	831.3		
SMDH 00204	33.0	59.4	128.5	13.6	46.3761	7.95323	1.15095	5.8	0.8	5.4	1.1	3.0	0.3	3.5	0.3	22.7	2.0	11.1	488.9	12.9	747.7		1.4
SMDH 00204	37.5	68.1	145.2	15.6	53.3325	9.79746	1.72643	6.5	0.9	6.3	1.3	3.3	0.6	3.9	0.6	24.9	2.2	9.6	414.0	20.0	1188.7		
SMDH 00204	39.9	69.3	150.1	16.5	56.8107	10.1433	1.84152	6.5	1.1	6.8	1.3	3.5	0.6	3.9	0.6	25.6	2.2	10.3	418.1	22.9	1208.8	4.1	
SMDH 00204	17.1	44.7	95.2	10.8	39.4197	6.91585	0.92076	4.6	0.3	3.3	0.6	1.4	0.3	1.6	0.3	19.4	1.1	3.9	200.9	17.2	401.1		1.7
SMDH 00204	11.4	30.1	62.3	7.4	25.5068	4.72583	1.15095	2.6	0.3	2.1	0.3	0.8	0.3	1.0	0.3	11.9	1.2	5.7	255.3	17.2	582.1		
SMDH 00204	10.1	79.5	129.1	16.3	53.3325	7.7227	2.18681	4.5	0.3	2.3	0.3	0.7	0.3	1.0	0.3	15.8	0.9	4.8	213.6	42.9	497.1		
SMDH 00204	6.5	30.8	60.5	7.1	24.3474	4.61057	1.61133	2.2	0.3	1.3	0.3	0.3	0.3	0.3	0.3	11.4	0.8	4.7	239.6	22.9	737.4	1.6	1.7
SMDH 00204	17.1	41.2	75.7	8.8	27.8256	4.03425	1.95662	2.9	0.3	2.6	0.6	1.5	0.3	2.5	0.3	9.8	0.3	7.0	289.6	31.5	794.7		
SMDH 00266	41.3	157.0	317.8	36.9	127.534	21.6697	1.72643	13.7	1.6	8.6	1.6	3.3	0.3	3.3	0.3	61.9	3.7	26.5	1387.3	30.0	769.9	1.6	
SMDH 00266	33.1	101.7	203.0	22.8	84.6363	15.0996	1.49624	9.2	1.1	6.1	1.1	2.6	0.3	2.8	0.3	39.7	2.5	7.9	341.5	30.0	956.8		
SMDH 00266	29.8	68.8	137.2	15.9	56.8107	9.79746	1.38114	6.1	0.7	4.9	1.0	2.5	0.3	3.0	0.3	26.7	1.5	7.8	327.6	18.6	865.2		
SMDH 00266	24.8	75.0	152.0	18.0	62.6077	10.8348	1.49624	6.8	0.8	4.7	0.9	2.1	0.3	2.2	0.3	28.8	1.5	6.1	261.6	17.2	653.1		1.6
SMDH 00266	33.6	79.3	164.6	19.1	68.4047	11.4112	1.38114	8.0	0.9	6.0	1.3	2.9	0.3	3.5	0.3	32.8	2.2	11.7	606.2	20.0	904.5	0.6	
SMDH 00266	7.6	36.0	80.6	8.5	28.985	4.72583	1.61133	3.0	0.3	1.6	0.3	0.8	0.3	0.8	0.3	14.9	0.7	9.1	439.0	18.6	871.1		1.5
SMDH 00266	24.8	78.0	152.6	17.5	61.4483	9.3364	1.61133	6.2	0.7	4.2	0.9	2.3	0.3	2.7	0.3	29.5	1.1	11.3	490.1	22.9	1050.2		1.5
SMDH 00266	66.3	156.6	310.7	36.6	128.694	21.7849	1.61133	14.1	1.8	12.1	2.5	6.0	1.0	7.0	1.0	62.7	2.0	6.8	276.5	21.5	898.9		
SMDH 00266	14.4	52.7	105.4	12.0	42.8979	6.22427	1.38114	4.0	0.3	2.6	0.3	1.1	0.3	1.5	0.3	20.4	0.8	9.6	400.9	21.5	897.0		
SMDH 00266	23.7	90.6	175.4	20.4	71.8829	11.8722	1.84152	7.4	0.8	4.4	0.9	2.1	0.3	2.0	0.3	32.9	1.5	7.9	334.7	15.7	850.3	0.3	1.7
SMDH 00266	26.1	80.7	161.0	18.6	64.9265	10.028	1.72643	6.3	0.7	4.7	0.9	2.4	0.3	2.7	0.3	30.7	1.4	12.9	554.5	15.7	964.3		
SMDH 00266	11.5	81.7	165.1	18.7	64.9265	10.489	1.72643	6.4	0.6	2.9	0.3	1.0	0.3	0.7	0.3	30.8	1.1	9.6	395.0	15.7	827.8		
SMDH 00267	46.1	64.5	125.0	14.7	49.8543	9.56693	1.72643	8.2	1.2	8.1	1.7	3.8	0.6	3.3	0.3	21.8	2.6	9.6	382.0	31.5	794.2	51.6	1.7
SMDH 00267	44.2	54.5	106.0	11.9	41.7385	8.99061	1.61133	7.7	1.2	8.0	1.6	3.4	0.6	3.1	0.3	18.3	2.2	8.4	342.8	25.7	826.0		
SMDH 00267	149.9	74.7	151.2	18.1	63.7671	12.7943	2.07171	14.0	2.6	17.3	3.7	11.2	2.1	9.1	1.5	28.2	4.4	8.7	362.7	30.0	988.6		
SMDH 00267	47.1	79.4	157.5	17.9	61.4483	12.4485	1.95662	9.9	1.5	9.2	1.7	3.8	0.6	3.4	0.3	27.4	3.5	7.2	278.5	35.8	895.1		1.7
SMDH 00267	39.7	54.5	104.9	11.9	44.0573	8.64482	1.49624	7.4	1.1	7.4	1.4	3.3	0.6	3.0	0.3	18.6	2.9	5.7	217.9	22.9	820.4	0.6	
SMDH 00267	56.3	77.4	152.4	17.1	61.4483	11.2959	1.61133	10.2	1.5	10.0	1.9	4.9	0.8	4.9	0.7	26.2	3.7	9.0	393.8	28.6	1009.1		
SMDH 00267	24.6	75.4	149.1	16.9	56.8107	10.8348	1.15095	7.6	0.9	5.2	0.8	1.9	0.3	1.9	0.3	25.3	2.6	7.9	300.6	24.3	812.9		1.8
SMDH 00267	17.7	73.0	145.7	16.1	57.9701	10.1433	1.26605	7.0	0.8	4.1	0.7	1.5	0.3	1.4	0.3	25.8	2.1	10.3	413.8	21.5	966.1		
SMDH 00267	12.4	71.4	139.4	16.6	56.8107	10.2585	1.26605	6.8	0.8	3.1	0.3	0.9	0.3	0.8	0.3	25.6	1.8	9.1	367.4	17.2	831.6	0.6	
SMDH 00267	11.8	68.2	133.7	15.5	53.3325	9.3364	1.26605	6.1	0.7	3.4	0.3	0.8	0.3	0.7	0.3	24.0	1.9	9.0	403.3	17.2	867.1		1.7
SMDH 00267	8.4	50.7	111.4	11.5	40.5791	6.33953	1.38114	4.7	0.3	1.9	0.3	0.7	0.3	0.7	0.3	20.1	1.3	8.0	380.5	20.0	698.9		
SMDH 00267	11.9	74.9	150.3	17.2	60.2889	9.6822	1.84152	6.3	0.7	3.2	0.3	0.8	0.3	0.8	0.3	27.6	1.4	6.6	293.1	20.0	839.1		1.6
SMDH 00267	19.5	61.1	126.1	14.7	51.0137	9.22114	0.92076	6.1	0.8	4.0	0.7	1.6	0.3	1.7	0.3	22.1	2.2	8.3	337.4	15.7	801.7		
SMDH 00267	15.5	91.8	187.8	21.1	75.3611	13.1401	1.49624	8.5	0.9	3.8	0.6	1.1	0.3	0.9	0.3	34.6	2.7	9.2	380.9	24.3	988.6		
SMDH 00267	15.5	95.7	193.6	20.7	73.0423	12.9096	1.38114	7.8	0.9	3.7	0.3	1.0	0.3	0.9	0.3	33.8	2.0	7.1	294.9	24.3	990.4	0.5	1.6
SMDH 00267	19.8	44.2	88.7	9.8	34.782	6.109	1.49624	4.2	0.6	3.4	0.6	1.7	0.3	2.0	0.3	16.0	1.2	3.4	147.1	10.0	446.6		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00267	13.9	57.3	111.9	13.0	44.0573	7.60744	1.38114	4.9	0.6	3.2	0.3	1.1	0.3	1.3	0.3	20.2	1.3	7.0	282.6	15.7	747.5		1.7
SMDH 00267	8.1	26.3	52.9	5.9	20.8692	4.14951	1.15095	2.9	0.3	1.6	0.3	0.6	0.3	0.6	0.3	8.7	1.1	8.1	362.8	11.4	536.3	0.3	
SMDH 00268	24.1	108.3	220.8	25.0	85.7957	15.9065	1.26605	10.0	1.2	5.5	0.9	1.8	0.3	1.8	0.3	42.1	3.8	13.0	534.6	17.2	693.3		
SMDH 00268	27.0	86.5	176.0	19.2	66.0859	12.5638	1.15095	8.4	1.2	5.7	0.9	2.2	0.3	1.8	0.3	32.3	3.7	9.3	385.7	22.9	852.1		1.3
SMDH 00268	18.9	72.6	166.3	18.9	63.7671	12.218	1.15095	8.5	1.1	4.7	0.8	1.6	0.3	0.9	0.3	30.2	3.8	9.2	401.9	21.5	701.5	1.2	
SMDH 00268	17.9	65.7	129.1	14.3	48.6949	9.22114	1.26605	6.2	0.8	3.9	0.6	1.1	0.3	0.9	0.3	21.8	3.5	7.5	332.4	18.6	517.6		
SMDH 00268	27.5	149.7	340.3	38.0	121.737	25.3581	1.95662	17.0	1.9	6.9	1.1	2.2	0.3	1.7	0.3	61.8	6.6	7.3	328.2	21.5	706.6		1.4
SMDH 00268	26.9	101.6	208.4	24.0	82.3175	16.2523	1.72643	10.2	1.3	6.1	0.9	1.9	0.3	1.6	0.3	39.9	4.1	8.6	397.7	20.0	771.8	1.1	
SMDH 00268	21.7	107.9	223.7	24.7	85.7957	17.6354	1.95662	10.8	1.3	5.3	0.8	1.6	0.3	1.0	0.3	42.6	4.6	3.2	146.0	20.0	777.4		1.6
SMDH 00268	16.5	82.5	168.6	18.4	63.7671	12.3333	1.49624	7.8	0.9	3.9	0.6	1.1	0.3	0.9	0.3	31.5	3.7	7.1	296.5	27.2	855.9		
SMDH 00268	17.4	88.8	172.2	19.1	67.2453	13.1401	1.26605	7.8	0.8	3.7	0.3	0.9	0.3	0.7	0.3	31.9	3.2	7.9	350.4	21.5	829.0		
SMDH 00268	11.7	66.2	133.2	13.9	48.6949	8.76008	1.15095	5.8	0.7	3.0	0.3	0.8	0.3	0.7	0.3	23.2	2.2	6.5	257.1	18.6	760.6	1.0	1.6
SMDH 00268	13.9	70.4	141.9	15.5	53.3325	10.028	1.15095	6.2	0.8	3.6	0.3	1.0	0.3	0.7	0.3	26.0	2.6	5.8	243.5	18.6	878.3		
SMDH 00268	29.0	108.7	251.0	27.5	93.9115	20.8628	1.72643	14.8	1.9	6.9	1.1	2.4	0.3	1.4	0.3	47.8	6.0	7.8	352.7	30.0	1164.0		
SMDH 00268	12.3	53.0	109.4	12.6	42.8979	8.99061	1.03586	6.1	0.7	2.9	0.3	1.0	0.3	0.7	0.3	21.0	2.4	8.3	382.4	18.6	826.4		
SMDH 00268	11.2	56.0	111.2	11.6	40.5791	7.37691	0.80567	4.9	0.6	2.7	0.3	0.8	0.3	0.8	0.3	20.9	2.2	9.8	415.4	18.6	1039.0		
SMDH 00268	15.8	106.7	218.0	25.7	84.6363	15.4454	1.72643	10.3	1.1	4.1	0.6	1.4	0.3	0.7	0.3	42.9	3.4	9.8	365.3	31.5	1281.9	1.0	1.4
SMDH 00268	15.3	93.0	184.0	21.9	71.8829	13.6012	1.49624	8.4	0.9	4.0	0.6	1.1	0.3	0.7	0.3	37.4	2.4	7.0	326.6	14.3	718.3		
SMDH 00268	16.5	69.5	141.9	17.7	56.8107	10.8348	1.38114	7.9	0.9	3.4	0.6	1.4	0.3	1.0	0.3	30.7	2.1	5.8	266.8	21.5	937.4		1.5
SMDH 00268	11.3	103.7	207.7	24.5	83.4769	16.9438	1.49624	9.3	0.9	3.3	0.3	0.8	0.3	0.6	0.3	44.2	2.7	6.0	302.7	22.9	966.6	0.5	
SMDH 00268	9.0	56.0	111.4	13.0	45.2167	9.10587	1.26605	4.7	0.6	2.4	0.3	0.7	0.3	0.7	0.3	22.7	1.8	6.3	290.6	18.6	747.5		
SMDH 00268	11.0	74.2	148.9	18.0	56.8107	11.2959	1.26605	7.2	0.7	3.1	0.3	0.9	0.3	0.6	0.3	30.0	2.5	7.8	370.7	34.3	995.8		1.5
SMDH 00268	10.0	60.3	120.4	14.4	48.6949	9.22114	1.49624	6.1	0.6	2.3	0.3	0.8	0.3	0.6	0.3	24.1	2.0	6.5	314.9	21.5	773.9		
SMDH 00268	9.3	64.2	128.6	14.1	48.6949	8.41429	1.38114	5.4	0.6	2.5	0.3	0.7	0.3	0.3	0.3	24.1	1.8	7.0	328.8	18.6	678.3		1.7
SMDH 00268	13.3	92.4	181.5	20.7	70.7235	11.9875	1.38114	7.8	0.8	3.4	0.3	0.8	0.3	0.7	0.3	33.3	2.6	8.1	348.8	28.6	905.2	0.6	
SMDH 00268	14.3	76.4	161.0	18.0	57.9701	11.757	1.61133	7.7	0.9	3.3	0.3	1.1	0.3	0.8	0.3	30.8	2.4	7.8	374.3	27.2	1092.7	0.9	
SMDH 00268	18.6	95.2	199.0	23.5	82.3175	14.1775	1.26605	9.4	1.1	4.4	0.7	1.4	0.3	1.3	0.3	45.3	2.9	6.5	276.1	32.9	917.8		
SMDH 00269	30.7	98.3	199.7	22.6	76.5205	14.408	1.03586	9.3	1.2	5.8	1.0	2.4	0.3	2.0	0.3	46.6	3.4	11.9	519.0	12.9	423.7		1.5
SMDH 00269	20.3	89.0	177.7	21.6	73.0423	13.6012	1.38114	8.4	1.1	4.6	0.7	1.6	0.3	1.3	0.3	40.0	2.6	6.6	297.4	15.7	591.9		
SMDH 00269	19.6	93.1	189.3	22.1	76.5205	14.0622	1.72643	9.1	1.1	4.6	0.7	1.6	0.3	1.1	0.3	43.4	2.2	5.3	225.3	12.9	492.4	0.9	
SMDH 00269	19.0	118.5	243.6	28.9	98.5491	18.4423	1.84152	11.1	1.3	5.0	0.7	1.4	0.3	1.0	0.3	56.3	2.7	6.8	275.6	14.3	548.5		1.6
SMDH 00269	12.0	106.5	212.8	24.1	84.6363	13.4859	2.07171	8.5	0.8	3.3	0.3	0.8	0.3	0.3	0.3	46.2	1.7	4.5	193.3	14.3	586.5		
SMDH 00269	15.8	139.8	283.5	32.9	111.303	19.7102	2.18681	11.9	1.3	4.8	0.6	1.0	0.3	0.3	0.3	63.1	2.5	7.4	301.2	14.3	677.2		
SMDH 00269	13.3	107.1	206.1	23.7	81.1581	13.8317	2.18681	8.1	0.8	3.3	0.3	0.9	0.3	0.3	0.3	42.1	1.9	8.7	376.7	18.6	816.4	1.1	1.5
SMDH 00269	31.7	294.1	582.5	64.4	226.083	37.9219	3.10757	21.7	2.2	9.2	1.3	2.2	0.3	1.0	0.3	122.4	3.4	7.9	341.6	15.7	748.2		
SMDH 00269	50.8	305.2	608.2	68.1	236.518	38.844	2.76229	23.5	2.7	11.7	1.7	3.7	0.3	2.0	0.3	125.0	4.1	11.4	466.4	20.0	937.4		
SMDH 00269	75.0	94.7	197.1	22.0	74.2017	12.7943	1.03586	9.2	1.4	9.6	2.6	8.6	1.8	12.3	2.2	37.7	2.8	9.8	364.7	15.7	672.0		1.6
SMDH 00269	39.0	73.3	144.9	16.5	57.9701	10.8348	1.15095	7.1	0.9	6.2	1.3	3.7	0.8	4.4	0.8	29.8	2.5	6.1	259.5	12.9	559.0	0.7	
SMDH 00269	32.6	72.7	147.2	16.9	55.6513	11.8722	1.38114	9.7	1.1	6.2	1.3	2.9	0.3	2.6	0.3	29.2	2.1	6.3	333.8	14.3	667.1		1.6
SMDH 00269	40.2	123.3	253.8	29.9	98.5491	19.3644	1.72643	12.4	1.4	7.2	1.4	4.1	0.6	3.3	0.6	57.9	3.1	9.2	474.0	15.7	814.5		
SMDH 00269	39.3	94.9	201.3	22.8	75.3611	13.7164	1.84152	10.3	1.2	6.9	1.3	3.5	0.7	3.9	0.3	41.6	2.8	9.9	519.5	20.0	1167.0		
SMDH 00269	21.0	73.5	149.5	17.1	57.9701	10.8348	0.80567	8.2	0.9	4.8	0.8	2.1	0.3	1.7	0.3	30.9	2.6	7.1	400.8	22.9	901.7	1.1	1.6
SMDH 00269	15.8	63.1	126.9	14.8	51.0137	9.79746	0.80567	7.3	0.8	3.8	0.6	1.6	0.3	0.8	0.3	24.3	2.7	6.5	315.3	14.3	747.5		
SMDH 00269	18.0	62.0	123.2	14.7	49.8543	9.56693	0.92076	7.1	0.7	3.8	0.6	1.6	0.3	0.9	0.3	22.7	2.9	8.0	400.4	17.2	827.8		
SMDH 00269	29.5	68.4	143.6	16.0	53.3325	9.91272	1.61133	7.4	0.8	5.7	1.0	3.5	0.7	4.1	0.9	29.4	2.0	7.1	349.9	17.2	690.5		1.6
SMDH 00269	30.5	51.4	106.7	11.0	40.5791	7.26165	1.03586	5.3	0.8	4.9	1.1	3.3	0.7	4.4	0.8	20.9	2.1	6.4	264.4	15.7	597.5		
SMDH 00269	12.7	77.4	167.9	17.2	60.2889	10.1433	1.15095	6.4	0.7	3.3	0.3	0.9	0.3	0.7	0.3	35.8	2.4	6.1	254.8	14.3	644.7		1.7
SMDH 00269	13.8	101.3	206.8	23.9	78.8393	14.9844	1.84152	9.3	0.8	3.6	0.3	1.1	0.3	0.3	0.3	44.1	2.0	5.3	247.3	15.7	683.7	0.5	
SMDH 00269	10.1	66.0	137.0	14.9	51.0137	8.76008	1.26605	5.4	0.3	2.3	0.3	0.6	0.3	0.3	0.3	25.4	2.1	7.5	341.2	17.2	717.6		
SMDH 00269	10.1	66.0	137.0	14.9	51.0137	8.76008	1.26605	5.4	0.3	2.3	0.3	0.6	0.3	0.3	0.3	25.4	2.1	7.5	341.2	17.2	717.6		
SMDH 00270	10.3	55.0	107.5	11.8	40.5791	7.7227	1.26605	4.8	0.6	2.4	0.3	0.7	0.3	0.3	0.3	19.8	1.5	3.5	160.6	7.2	161.4		1.6
SMDH 00270	6.0	33.2	68.3	7.4	26.6662	4.38004	1.26605	3.0	0.3	1.5	0.3	0.3	0.3	0.3	0.3	12.2	1.2	1.7	63.5	4.3	236.2		
SMDH 00270	16.6	65.6	141.9	15.7	52.1731	9.45167	0.80567	6.5	0.7	3.8	0.6	1.7	0.3	0.9	0.3	26.0	2.2	5.0	219.5	8.6	263.0	0.3	
SMDH 00270	11.7	34.3	63.3	7.1	23.188	5.87848	2.30191	3.3	0.3	2.2	0.3	0.8	0.3	1.0	0.3	10.2	0.9	2.2	70.1	2.9	111.0		1.6
SMDH 00270	13.1	31.7	62.4	7.0	22.0286	4.49531	1.84152	3.3	0.3	2.3	0.3	1.3	0.3	1.4	0.3	9.8	1.7	2.8	127.7	2.9	100.7		
SMDH 00270	12.8	42.7	89.0	10.1	33.6226	6.80059	1.72643	4.5	0.3	2.6	0.3	1.1	0.3	1.1	0.3	15.0	1.7	3.4	129.1	8.6	175.4		
SMDH 00270	12.9	32.1	63.0	7.0	24.3474	4.95636	1.49624	3.3	0.3	2.4	0.3	1.0	0.3	1.0	0.3	10.7	1.4	2.1	86.2	8.6	123.8	0.8	1.5
SMDH 00270	11.7	22.1	43.3	4.7	15.0722	3.34266	1.38114	2.7	0.3	1.7	0.3	0.8	0.3	1.1	0.3	7.4	1.3	1.3	55.4	5.7	143.2		
SMDH 00270	12.2	30.7	58.7	6.2	20.8692	5.18689	1.26605	3.6	0.3	2.2	0.3	1.0	0.3	1.3	0.3	9.9	1.3	2.1	76.2	4.3	170.8		
SMDH 00270	8.2	27.8	55.9	6.4	19.7098	3.91898	1.03586	3.0	0.3	1.8	0.3	0.6	0.3	0.3	0.3	9.1	1.2	1.5	62.3	4.3	140.2		1.6
SMDH 00270	11.2	24.8	49.8	5.8	18.5504	4.49531	1.26605	2.4	0.3	2.1	0.3	1.0	0.3	0.8	0.3	8.2	1.8	1.8	65.6	5.7	137.1	0.3	
SMDH 00270	11.9	45.3	90.4	10.7	33.6226	6.80059	1.38114	4.8	0.3	2.7	0.3	1.0	0.3	0.9	0.3	15.3	2.0	2.9	105.8	4.3	143.2		
SMDH 00270	16.6	18.1	39.2	4.3	20.8692	3.11213	1.26605	2.6	0.3	3.1	0.3	1.4	0.3	1.3	0.3	6.8	2.1	2.2	73.3	4.3	161.6		1.6
SMDH 00270	11.5	19.0	41.7	4.2	12.7534	3.2274	1.15095	1.9	0.3	1.8	0.3	0.9	0.3	0.9	0.3	6.6	1.1	1.9	67.4	2.9	97.6		
SMDH 00270	17.4	37.6	80.7	8.8	28.985	6.57006	1.61133	4.1	0.3	3.0	0.6	1.4	0.3	1.1	0.3	11.8	1.7	1.4	65.8	7.2	91.6	0.5	
SMDH 00271	10.3	36.9	80.6	8.8	28.985	5.18689	0.28774	3.6	0.3	1.9	0.3	0.7	0.3	0.8	0.3	15.1	1.7	5.7	259.1	2.9	137.1		1.7
SMDH 00271	10.3	56.3	122.8	13.0	44.0573	7.60744	1.49624	4.6	0.3	2.4	0.3	0.6	0.3	0.7	0.3	23.2	1.2	7.5	286.2	14.3	435.2		
SMDH 00271	7.0	28.7	61.2	6.8	23.188	4.49531	1.26605	3.0	0.3	1.4	0.3	0.3	0.3	0.3	0.3	10.6	0.8	4.8	202.9	7.2	280.3		
SMDH 00271	8.9	10.2	20.9	2.3	8.11581	2.07476	1.38114	1.7	0.3	1.5	0.3	0.6	0.3	0.8	0.3	2.8	0.6	7.2	283.4	12.9	426.3	0.8	1.5
SMDH 00271	9.1	67.6	151.7	16.5	54.4919	9.6822	1.72643	5.8	0.3	2.4	0.3	0.6	0.3	0.3	0.3	28.3	1.2	4.7	203.7	11.4	432.1		
SMDH 00271	4.1	25.6	55.7	5.9	18.5504	3.34266	1.84152	2.1	0.3	0.8	0.3	0.3	0.3	0.3	0.3	9.5	0.3	4.6	180.6	10.0	528.6		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00271	3.8	27.2	55.0	6.0	20.8692	3.57319	1.61133	1.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	10.2	0.3	5.3	214.1	14.3	625.6		
SMDH 00271	11.4	9.5	17.8	1.9	5.79701	1.38317	1.95662	1.3	0.3	1.6	0.3	1.1	0.3	1.4	0.3	2.7	0.6	3.3	134.4	7.2	217.5		1.6
SMDH 00271	9.4	54.2	110.6	12.7	41.7385	6.57006	1.61133	4.2	0.3	1.9	0.3	0.9	0.3	0.7	0.3	21.1	1.2	7.8	361.1	14.3	512.3	0.8	
SMDH 00271	8.9	71.1	144.3	16.6	54.4919	8.52955	1.84152	4.9	0.3	1.9	0.3	0.7	0.3	0.7	0.3	27.5	0.9	7.9	353.5	24.3	767.3	0.4	
SMDH 00271	3.2	13.3	24.6	2.8	9.27521	1.49844	1.84152	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.2	0.3	6.0	254.0	12.9	424.0		1.7
SMDH 00271	3.0	6.3	11.3	1.2	3.4782	0.80685	1.61133	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	7.2	305.1	10.0	509.5		
SMDH 00271	2.0	8.3	14.2	1.6	4.63761	0.69159	1.84152	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	2.5	103.2	10.0	324.2		
SMDH 00271	2.8	9.6	17.2	2.0	5.79701	0.92211	2.07171	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.4	0.3	3.2	142.1	14.3	328.0		
SMDH 00271	3.7	33.3	67.9	7.4	25.5068	4.72583	1.84152	2.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	11.6	0.6	3.8	155.7	10.0	352.0		1.6
SMDH 00271	7.0	58.0	122.8	13.9	46.3761	7.60744	1.84152	4.5	0.3	1.8	0.3	0.3	0.3	0.3	0.3	23.6	0.9	5.7	245.7	15.7	639.6	0.1	1.6
SMDH 00271	3.9	16.0	31.6	3.8	12.7534	1.72896	1.84152	1.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.8	0.6	4.5	187.4	11.4	434.9		
SMDH 00271	5.8	19.1	39.6	4.3	15.0722	2.53581	1.95662	1.7	0.3	1.1	0.3	0.3	0.3	0.3	0.3	6.6	0.7	5.1	208.2	17.2	478.4		
SMDH 00272	29.5	104.3	223.0	25.0	89.2739	16.4828	1.49624	9.7	1.2	6.0	1.0	2.4	0.3	2.3	0.3	43.0	2.5	11.0	439.4	18.6	872.7		1.6
SMDH 00272	50.2	95.0	204.4	23.2	82.3175	14.408	1.95662	9.5	1.4	8.2	1.6	4.6	0.8	4.7	0.6	39.6	1.9	8.1	359.3	28.6	1402.2		
SMDH 00272	42.7	81.4	186.5	19.9	69.5641	12.7943	1.49624	8.8	1.2	7.0	1.5	4.1	0.7	4.1	0.3	35.9	2.0	10.5	448.3	30.0	1196.9		
SMDH 00272	31.8	55.1	106.2	12.1	42.8979	7.37691	1.49624	5.7	0.7	4.8	1.0	3.2	0.3	3.1	0.3	21.3	1.1	4.0	184.2	15.7	592.4		1.6
SMDH 00272	97.3	41.8	84.1	10.1	32.4632	6.91585	1.61133	6.1	1.4	11.5	3.0	9.5	1.9	10.9	1.9	16.1	1.4	3.8	161.7	12.9	474.9		
SMDH 00272	23.4	48.6	92.6	10.4	34.782	6.68533	1.26605	4.2	0.3	3.6	0.7	1.9	0.3	1.9	0.3	17.5	1.2	3.1	128.5	14.3	512.5		
SMDH 00272	17.0	89.6	180.9	19.8	69.5641	10.7196	1.38114	6.6	0.7	3.2	0.6	1.6	0.3	1.5	0.3	32.7	1.4	9.0	379.4	15.7	782.3		1.5
SMDH 00272	39.5	85.2	169.7	19.7	68.4047	11.5264	1.38114	7.4	1.1	6.5	1.3	3.5	0.6	3.6	0.6	31.8	2.6	10.0	408.1	24.3	977.3		
SMDH 00272	26.0	58.1	115.3	13.1	41.7385	6.80059	1.03586	4.2	0.7	3.8	0.8	2.6	0.3	2.6	0.3	20.9	1.3	7.4	349.2	10.0	662.5		
SMDH 00272	11.7	51.0	108.6	12.2	41.7385	6.57006	1.49624	4.2	0.3	2.1	0.3	0.9	0.3	1.0	0.3	20.2	0.9	7.3	316.9	17.2	741.2		
SMDH 00272	23.4	68.5	145.5	16.8	57.9701	10.1433	1.49624	6.2	0.8	4.2	0.8	2.2	0.3	2.6	0.3	26.0	1.9	8.3	334.1	21.5	900.5		1.4
SMDH 00272	33.1	113.8	228.2	26.2	89.2739	13.6012	1.72643	9.2	1.3	5.6	1.1	3.2	0.3	3.1	0.3	41.3	2.7	10.7	444.0	24.3	1022.2		1.3
SMDH 00272	27.4	85.0	164.3	15.6	61.4483	10.8348	1.61133	6.4	0.8	4.7	0.9	2.5	0.3	3.5	0.6	26.0	1.8	6.3	292.7	28.6	658.7	0.5	
SMDH 00272	11.8	80.2	153.7	17.3	60.2889	8.99061	1.49624	5.6	0.6	2.4	0.3	1.0	0.3	1.0	0.3	29.6	1.3	7.7	316.2	17.2	952.3		
SMDH 00272	16.0	85.5	176.8	16.5	67.2453	10.8348	1.61133	6.1	0.7	3.4	0.3	1.4	0.3	1.6	0.3	33.7	1.9	10.8	457.8	18.6	1074.0		
SMDH 00272	15.1	112.1	223.7	25.1	85.7957	14.8691	1.38114	8.7	0.8	3.7	0.3	1.3	0.3	1.0	0.3	42.7	2.2	9.0	391.7	25.7	877.4		
SMDH 00272	22.1	121.9	243.0	29.8	102.027	16.7133	1.26605	10.1	1.1	4.7	0.7	1.6	0.3	1.8	0.3	55.4	3.5	10.5	459.5	34.3	1030.1		1.3
SMDH 00272	16.5	130.0	274.4	24.7	103.187	17.5202	1.38114	9.9	0.9	3.9	0.6	1.3	0.3	1.4	0.3	54.1	2.7	14.7	651.9	20.0	1030.1		1.4
SMDH 00272	10.5	132.0	270.1	32.1	111.303	16.9438	1.49624	9.4	0.8	3.0	0.3	0.8	0.3	0.3	0.3	51.7	2.1	6.3	297.4	18.6	819.7		
SMDH 00272	32.2	117.6	248.4	29.3	99.7085	16.8286	1.15095	10.2	1.1	6.0	1.0	3.3	0.6	3.6	0.3	48.9	3.2	9.1	415.5	40.1	1134.1		
SMDH 00272	24.8	88.2	185.0	21.4	75.3611	12.4485	1.03586	6.9	0.7	4.1	0.7	2.3	0.3	1.8	0.3	34.9	2.4	9.3	400.4	25.7	984.1		1.4
SMDH 00272	20.2	70.0	137.4	16.7	57.9701	10.028	1.26605	5.8	0.7	3.9	0.7	1.7	0.3	1.9	0.3	29.0	2.0	9.7	400.2	20.0	964.0	0.4	
SMDH 00272	21.2	77.0	158.2	18.4	63.7671	10.3738	1.49624	6.3	0.7	3.7	0.6	1.7	0.3	1.8	0.3	30.5	2.1	6.8	307.4	17.2	822.0		
SMDH 00272	19.4	68.6	142.0	12.5	52.1731	8.99061	1.72643	5.0	0.6	3.3	0.6	1.8	0.3	2.5	0.3	27.0	1.5	5.8	236.0	15.7	658.7		1.6
SMDH 00272	23.8	85.3	181.0	16.1	67.2453	12.3333	1.49624	7.4	0.9	4.5	0.8	2.1	0.3	2.5	0.3	34.3	2.5	6.6	282.6	17.2	902.4		
SMDH 00013	34.3	110.5	221.8	26.7	90.4333	17.0591	1.61133	10.9	1.3	7.1	1.1	2.6	0.3	2.7	0.3	39.4	20.3	10.0	426.0	81.5	894.6	0.4	
SMDH 00013	26.9	56.1	114.5	14.1	48.6949	10.6043	1.84152	7.4	1.1	6.1	1.0	2.1	0.3	2.4	0.3	18.7	3.1	8.0	346.3	65.8	1474.0		1.4
SMDH 00013	14.1	41.7	85.2	9.8	33.6226	6.4548	1.26605	4.7	0.7	3.3	0.3	1.0	0.3	0.8	0.3	15.1	1.9	4.7	205.7	35.8	804.3		
SMDH 00013	19.8	94.8	196.5	21.7	72.1148	13.3707	1.84152	8.1	1.1	4.6	0.7	1.4	0.3	0.3	0.3	39.4	5.8	12.4	241.8	54.1	509.2		
SMDH 00013	8.7	33.3	66.6	8.2	27.8256	4.61057	0.69057	3.2	0.3	1.9	0.3	0.7	0.3	0.7	0.3	12.0	1.1	3.3	143.3	17.2	555.9	0.4	1.6
SMDH 00013	25.2	49.5	105.4	13.0	44.0573	10.8348	1.49624	6.5	0.9	6.3	0.9	2.3	0.3	1.5	0.3	17.8	1.4	5.9	247.9	30.0	1109.3		
SMDH 00013	31.6	58.1	119.9	13.7	46.3761	9.91272	1.72643	6.9	1.8	6.2	0.9	1.9	0.3	2.4	0.3	26.2	81.3	8.1	261.4	30.0	990.4		
SMDH 00013	14.7	63.0	130.1	15.0	48.6949	8.87535	1.15095	5.4	0.7	3.4	0.3	1.1	0.3	1.0	0.3	22.8	2.6	6.6	278.9	34.3	918.0		1.5
SMDH 00013	42.1	104.1	213.9	24.5	83.4769	14.9844	1.26605	10.1	1.5	8.1	1.5	3.2	0.3	3.1	0.3	37.2	3.7	4.2	189.8	32.9	1018.9	0.1	
SMDH 00013	36.4	162.6	349.7	38.4	129.389	23.3986	1.84152	14.6	1.9	8.6	1.1	2.3	0.3	2.0	0.3	63.6	8.3	14.1	535.6	50.4	655.2		
SMDH 00013	21.5	100.5	207.2	23.2	79.9987	13.947	1.38114	9.2	1.2	5.3	0.8	1.5	0.3	1.3	0.3	34.1	3.3	7.1	317.6	44.3	778.6		1.6
SMDH 00012b	40.6	121.2	263.5	29.7	98.781	18.9033	1.72643	11.3	1.4	7.0	1.3	3.1	0.3	3.1	0.6	53.0	9.2	12.0	546.1	28.6	397.3		
SMDH 00012b	46.5	147.1	317.8	35.1	126.259	22.4765	2.07171	13.5	1.8	8.5	1.5	3.7	0.6	3.5	0.6	62.0	9.7	14.6	690.0	31.0	486.3		1.6
SMDH 00012b	6.7	24.8	55.8	6.4	20.8692	3.91898	0.28774	2.5	0.3	1.4	0.3	0.3	0.3	0.3	0.3	9.9	0.8	3.2	138.2	5.7	176.4		1.6
SMDH 00012b	24.6	90.6	202.1	22.0	79.9987	14.8691	1.61133	9.2	1.1	5.5	0.9	1.8	0.3	1.7	0.3	36.3	2.8	8.7	386.7	30.0	650.5		
SMDH 00012b	25.5	89.5	188.2	21.5	73.3901	14.7538	2.30191	9.1	1.1	4.7	0.8	1.8	0.3	0.9	0.3	36.9	7.1	7.8	412.5	42.6	490.8		
SMDH 00012b	29.7	83.7	183.4	21.5	72.8104	14.0622	1.72643	8.8	1.2	5.5	1.0	2.4	0.3	2.4	0.3	37.1	5.9	8.8	331.6	33.3	499.6		
SMDH 00012b	23.7	71.1	154.9	18.0	59.9411	11.8722	1.38114	7.4	0.9	4.1	0.8	1.9	0.3	2.2	0.3	33.3	3.9	8.3	392.5	27.2	495.2		
SMDH 00012b	22.1	93.4	195.0	22.2	77.6799	15.4454	1.26605	9.6	1.2	5.3	0.8	1.7	0.3	1.4	0.3	39.0	2.9	7.1	314.7	32.9	748.9		
SMDH 00012b	30.7	103.6	226.5	26.9	88.6942	18.9033	2.07171	12.0	1.4	6.2	1.0	2.4	0.3	1.5	0.3	44.6	4.8	8.0	408.3	40.9	669.5		
SMDH 00012b	36.5	65.3	150.5	17.1	58.6657	11.8722	1.61133	7.9	0.9	4.2	0.8	1.7	0.3	1.7	0.3	26.9	2.7	8.5	270.8	24.7	445.5		1.8
SMDH 00012b	27.6	73.4	163.3	19.2	65.2743	13.0249	1.72643	8.5	0.9	3.8	0.7	1.3	0.3	1.5	0.3	31.5	2.7	8.5	250.8	24.7	487.0		
SMDH 00012b	33.1	71.9	163.0	18.3	61.5642	12.4485	1.38114	8.2	0.9	4.2	0.7	1.6	0.3	1.1	0.3	31.6	3.9	11.0	471.7	25.6	628.6		
SMDH 00012b	22.8	87.6	184.5	21.1	75.3611	14.6386	1.26605	8.9	1.1	4.9	0.8	1.9	0.3	2.0	0.3	35.7	2.7	8.3	359.7	32.9	732.5	0.2	
SMDH 00012b	34.6	88.9	196.1	22.2	75.477	14.7538	1.72643	9.5	1.1	4.5	0.8	1.7	0.3	1.5	0.3	35.7	3.1	8.1	174.1	24.0	532.8		
SMDH 00012	57.0	129.9	288.2	32.7	110.259	19.8254	1.38114	13.3	1.5	6.9	1.3	2.7	0.3	2.2	0.3	54.1	5.2	17.7	742.3	22.3	314.6		
SMDH 00012	37.0	84.0	195.6	20.9	68.5206	12.218	1.49624	7.4	0.8	4.0	0.8	1.7	0.3	1.7	0.3	35.9	2.9	8.8	646.8	19.5	638.2		1.6
SMDH 00012	16.9	45.7	92.1	11.0	40.4631	6.91585	1.03586	4.2	0.3	2.3	0.3	0.7	0.3	0.8	0.3	15.6	1.5	6.1	533.0	19.7	400.1		
SMDH 00012	37.1	74.1	164.0	17.9	62.7236	11.5264	1.15095	7.1	0.9	4.5	0.8	1.7	0.3	0.8	0.3	29.2	3.4	5.9	349.0	23.5	557.1		
SMDH 00012	23.4	100.0	222.6	23.5	81.1581	13.6012	1.49624	7.7	0.8	3.6	0.7	1.7	0.3	2.2	0.3	40.3	3.5	8.2	445.2	19.2	573.5		
SMDH 00012	17.1	66.3	138.1	15.7	56.8107	9.56693	1.38114	6.2	0.8	3.9	0.7	1.1	0.3	0.8	0.3	25.6	1.7	6.5	292.2	37.2	560.4		
SMDH 00012	9.3	43.2	88.4	11.3	40.5791	6.80059	0.80567	4.1	0.3	2.3	0.3	0.8	0.3	0.7	0.3	18.9	1.2	5.1	204.1	31.5	451.3		1.2
SMDH 00012	24.3	96.2	201.9	22.9	79.9987	14.1775	1.26605	8.2	0.9	4.7	0.9	1.9	0.3	1.6	0.3	36.7	1.8	8.6	411.7	34.3	812.2	0.2	
SMDH 00012	27.2	108.0	223.5	25.8	88.1145	14.9844	1.49624	8.9	1.2	5.5	0.9	2.1	0.3	1.7	0.3	43.8	2.5	11.1	477.0	32.9	741.6		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00012	24.3	98.3	203.4	23.4	81.1581	14.0622	1.49624	8.2	1.1	5.0	0.8	1.7	0.3	1.5	0.3	37.4	2.0	9.6	409.7	18.6	803.8		1.7
SMDH 00011b	29.8	101.2	209.9	24.9	86.9551	14.7538	1.26605	8.6	1.1	5.7	1.0	2.5	0.3	2.6	0.3	42.0	2.4	11.8	464.3	20.0	841.6		
SMDH 00011b	31.4	95.8	198.2	23.8	77.6799	13.3707	1.26605	8.0	0.9	5.5	1.0	2.7	0.3	3.0	0.3	35.9	2.7	6.1	261.2	40.1	729.3	0.5	
SMDH 00011b	24.2	92.3	203.0	23.7	81.39	13.6012	1.15095	7.3	0.8	3.9	0.8	1.9	0.3	3.3	0.3	41.8	3.8	4.6	372.0	18.7	629.3		
SMDH 00011b	31.4	71.3	142.2	16.5	54.4919	9.6822	1.38114	6.3	1.1	4.9	1.0	2.5	0.3	3.2	0.3	26.3	8.0	7.9	300.4	60.1	640.3		
SMDH 00011b	8.1	31.5	66.7	10.6	35.7096	4.03425	1.49624	2.4	0.3	1.1	0.3	0.3	0.3	0.3	0.3	11.2	3.2	5.9	290.0	10.0	436.3		1.7
SMDH 00011b	28.9	78.1	161.7	18.4	61.4483	10.028	1.38114	6.0	0.8	4.8	0.9	2.6	0.3	3.1	0.3	30.8	3.2	7.3	308.9	351.9	814.3		
SMDH 00011b	15.3	79.1	163.9	18.4	61.4483	10.028	1.49624	5.6	0.7	3.1	0.3	1.3	0.3	1.3	0.3	30.5	1.5	5.7	255.8	27.2	797.7		
SMDH 00011b	18.2	60.9	132.9	14.8	50.434	9.56693	1.26605	6.1	0.7	3.3	0.6	1.1	0.3	2.6	0.3	24.1	1.8	3.5	322.3	22.3	196.7		
SMDH 00011	51.3	148.7	317.4	32.9	125.215	21.9002	1.72643	12.8	1.8	9.4	1.7	3.8	0.6	3.6	0.3	61.9	6.1	11.1	500.7	21.5	726.7	0.6	
SMDH 00011	33.3	95.0	204.7	22.0	73.7379	13.1401	1.72643	7.8	1.1	4.8	0.9	2.2	0.3	2.8	0.3	36.8	4.5	8.0	274.5	16.5	535.4		
SMDH 00011	20.8	118.2	253.0	26.1	97.3897	16.3675	1.84152	9.6	1.2	5.3	0.7	1.3	0.3	0.8	0.3	47.6	2.8	13.4	592.5	21.5	963.1		1.5
SMDH 00011	24.1	124.9	264.7	27.1	104.346	17.6354	1.95662	10.3	1.3	5.8	0.9	1.5	0.3	1.1	0.3	48.7	2.6	14.6	642.2	25.7	1223.1		
SMDH 00011	25.0	101.5	214.1	22.0	84.6363	14.5233	1.95662	8.5	1.1	5.3	0.9	1.7	0.3	1.5	0.3	40.1	4.4	17.1	760.2	216.0	1205.3	0.3	
SMDH 00010b	81.6	161.7	356.6	36.6	141.447	25.1276	1.61133	15.7	2.2	13.5	2.7	6.5	1.1	6.6	0.9	70.0	5.8	16.9	726.1	31.5	1463.4		1.4
SMDH 00010b	91.2	93.9	207.8	23.2	82.6653	14.5233	1.84152	10.0	1.5	10.1	2.5	6.7	1.1	15.0	1.0	36.9	5.7	12.3	333.8	26.2	651.5		
SMDH 00010b	58.6	117.6	257.9	26.5	100.868	18.327	1.49624	11.0	1.5	10.2	1.9	4.6	0.8	4.7	0.7	50.5	4.5	14.5	639.3	27.2	1405.7		
SMDH 00010b	53.0	107.0	233.5	24.0	92.7521	16.3675	1.61133	10.4	1.5	8.9	1.8	4.1	0.7	4.3	0.6	44.9	3.5	11.9	510.9	22.9	1175.4	0.4	1.6
SMDH 00010b	25.3	87.3	190.1	20.9	72.1148	12.3333	1.61133	7.6	0.8	4.0	0.8	1.7	0.3	4.0	0.3	34.6	3.4	7.8	315.4	17.6	560.6		
SMDH 00010b	13.8	79.6	164.0	19.1	67.2453	10.3738	1.61133	6.0	0.7	3.1	0.3	1.0	0.3	1.0	0.3	30.0	1.9	10.4	491.8	14.3	931.6		
SMDH 00010b	28.1	120.2	249.2	29.4	102.027	17.2896	1.72643	9.7	1.2	6.1	1.0	2.1	0.3	1.9	0.3	46.8	3.2	13.7	614.5	22.9	1160.9		1.6
SMDH 00010	67.7	204.8	478.9	52.5	179.939	34.8098	1.61133	20.5	2.3	10.8	1.9	4.3	0.7	8.8	0.6	107.3	6.3	12.4	354.0	21.6	543.3		1.5
SMDH 00010	20.4	60.2	128.9	15.5	53.7962	10.489	1.03586	6.2	0.7	3.6	0.7	1.8	0.3	1.7	0.3	30.8	1.5	5.3	401.6	22.7	647.0		
SMDH 00010	28.1	90.9	194.8	23.5	81.8538	15.7912	1.49624	9.2	1.1	5.3	0.9	2.3	0.3	2.4	0.3	47.8	2.1	5.9	478.9	28.8	481.2		
SMDH 00010	27.5	77.9	165.9	20.1	70.7235	13.0249	1.38114	7.7	0.9	5.3	1.0	2.1	0.3	2.7	0.3	39.7	1.9	7.1	312.4	20.0	681.8		
SMDH 00010	25.1	86.6	185.6	22.5	76.5205	14.5233	1.26605	8.4	0.9	5.2	0.9	1.8	0.3	1.9	0.3	45.5	2.5	9.9	422.3	20.0	688.4	0.6	
SMDH 00010	29.4	95.2	203.0	24.6	85.7957	15.9065	1.38114	9.2	1.2	5.7	1.0	2.2	0.3	2.3	0.3	48.9	2.5	8.0	377.5	18.6	690.3		1.5
SMDH 00010	43.5	90.9	194.8	23.2	79.9987	15.5607	1.61133	9.3	1.3	7.2	1.5	3.3	0.7	3.9	0.3	44.7	3.9	10.4	443.3	60.1	649.6		
SMDH 00010	29.1	89.8	193.9	23.2	81.1581	15.0996	1.49624	8.9	1.1	5.6	1.0	2.2	0.3	2.4	0.3	46.7	3.4	10.1	440.1	32.9	705.4		
SMDH 00009b	65.9	232.1	495.8	58.2	194.2	34.464	1.95662	20.5	2.6	13.1	2.2	5.0	0.8	4.3	0.7	99.4	6.4	9.7	726.6	21.2	764.8		
SMDH 00009b	33.2	183.0	373.9	43.5	149.331	24.2055	2.07171	13.9	1.6	7.8	1.3	2.4	0.3	1.0	0.3	70.3	3.2	4.9	360.5	21.3	669.2		
SMDH 00009b	25.6	144.5	303.0	36.0	122.897	20.6323	1.84152	12.0	1.4	6.5	1.0	1.7	0.3	1.1	0.3	60.3	5.1	14.3	631.4	38.6	983.9		
SMDH 00009b	20.7	137.4	287.6	33.7	114.781	19.2491	1.84152	11.0	1.2	5.4	0.7	1.5	0.3	1.0	0.3	55.1	2.5	14.4	640.0	32.9	1082.9		1.6
SMDH 00009b	30.3	158.5	331.6	39.5	134.491	23.6292	1.95662	13.4	1.5	7.2	1.1	2.2	0.3	1.8	0.3	64.7	2.9	13.7	595.3	31.5	1230.1	0.4	
SMDH 00009b	38.9	152.2	321.9	38.1	128.694	22.4765	1.84152	13.5	1.6	8.2	1.4	3.0	0.3	3.0	0.3	63.5	6.4	15.4	698.6	38.6	1236.4		
SMDH 00009b	40.3	134.6	282.0	33.1	113.621	19.5949	1.72643	11.8	1.5	8.0	1.5	3.2	0.3	3.3	0.3	57.2	4.7	11.8	505.3	24.3	1671.8		1.5
SMDH 00009b	37.3	138.3	283.3	32.3	113.042	19.8254	2.417	11.9	1.4	7.1	1.3	3.0	0.3	2.5	0.3	58.3	3.3	5.4	381.2	23.9	669.2		1.7
SMDH 00009	43.1	100.0	215.8	24.7	85.7957	14.8691	1.38114	9.4	1.3	7.1	1.4	3.7	0.6	3.4	0.6	42.1	3.3	5.9	480.2	18.9	537.7		
SMDH 00009	42.5	168.7	310.5	38.6	128.694	22.0155	2.18681	12.6	1.6	8.2	1.5	3.4	0.3	3.3	0.3	55.0	4.0	12.5	546.4	45.8	1040.9		1.5
SMDH 00009	45.6	140.9	296.8	34.9	117.1	20.8628	1.84152	12.6	1.6	9.2	1.6	3.7	0.6	4.0	0.6	58.8	3.5	12.5	547.7	38.6	1219.6		
SMDH 00009	43.9	149.9	310.9	36.6	124.056	21.9002	1.84152	13.1	1.6	8.8	1.5	3.7	0.3	3.6	0.3	61.2	3.3	15.0	661.4	44.3	1154.4		
SMDH 00009	32.1	126.5	264.4	31.0	104.346	17.9812	2.07171	10.5	1.3	6.6	1.1	2.6	0.3	2.4	0.3	51.6	2.5	11.0	476.7	48.6	1148.1	0.6	1.5
SMDH 00009	22.6	88.1	184.8	21.7	76.5205	13.2554	1.95662	7.4	0.9	5.0	0.8	1.7	0.3	1.6	0.3	35.4	1.4	8.4	366.6	21.5	853.5		
SMDH 00009	40.9	127.7	274.9	31.8	111.303	18.7881	1.95662	11.3	1.5	8.2	1.5	3.2	0.3	3.1	0.3	52.6	2.5	12.7	545.0	24.3	1093.2		
SMDH 00009	52.6	132.5	282.7	33.6	118.259	20.7476	1.84152	12.6	1.8	10.1	1.9	4.2	0.8	4.3	0.6	56.2	3.4	13.1	555.6	22.9	1083.2		1.5
SMDH 00009	27.5	117.0	246.4	28.9	99.7085	16.8286	1.84152	10.0	1.2	6.3	1.0	2.1	0.3	1.8	0.3	47.5	2.5	13.1	561.4	24.3	1276.3		
SMDH 00009	25.5	119.2	256.8	30.0	104.346	17.7507	1.84152	10.4	1.3	6.3	1.0	1.8	0.3	1.4	0.3	49.4	2.5	12.4	524.9	24.3	1360.9		1.6
SMDH 00009	28.6	146.2	311.8	36.1	125.215	20.7476	1.95662	12.4	1.5	7.0	1.0	1.9	0.3	1.5	0.3	60.2	2.8	15.2	651.0	47.2	1453.4		
SMDH 00009	36.1	123.0	264.7	30.3	103.187	17.5202	1.84152	10.9	1.4	7.6	1.4	2.9	0.3	3.1	0.3	52.6	2.7	12.5	535.1	30.0	1304.6	0.3	
SMDH 00009	53.6	123.2	265.6	31.1	104.346	18.7881	1.72643	12.1	1.6	9.4	1.9	4.7	0.8	5.5	0.8	54.4	2.9	14.7	629.2	27.2	972.7		1.5
SMDH 00008b	33.7	88.9	187.0	22.3	76.8683	13.3707	1.26605	8.4	1.1	6.4	1.1	2.7	0.6	3.0	0.3	37.8	2.4	7.4	478.5	17.2	824.3		
SMDH 00008b	41.6	144.3	307.6	36.4	121.737	20.9781	1.84152	12.7	1.5	8.0	1.5	3.3	0.6	3.6	0.6	63.7	3.1	12.3	546.7	27.2	1157.7		
SMDH 00008b	17.5	98.5	204.1	23.8	81.1581	13.2554	1.49624	7.6	0.8	4.2	0.7	1.3	0.3	1.1	0.3	40.4	2.2	10.7	479.3	28.6	1056.1	1.3	1.5
SMDH 00008b	27.4	130.2	279.0	31.8	107.824	18.327	1.72643	10.9	1.3	6.3	1.0	2.1	0.3	1.7	0.3	55.9	3.8	9.8	441.2	25.7	1052.8		
SMDH 00008b	33.3	117.1	247.5	29.1	97.3897	17.2896	1.72643	10.5	1.3	6.6	1.1	2.6	0.3	2.8	0.3	50.3	2.1	10.5	438.2	25.7	1052.8		
SMDH 00008b	25.1	123.0	261.3	30.4	102.027	17.5202	1.72643	10.5	1.3	6.0	0.9	1.7	0.3	1.5	0.3	53.5	4.1	11.7	501.0	45.8	992.3		1.6
SMDH 00008b	32.6	123.3	263.6	30.3	103.187	17.9812	1.72643	11.0	1.3	7.2	1.1	2.5	0.3	2.5	0.3	54.1	2.7	11.2	505.2	41.5	858.0	0.4	
SMDH 00008b	33.5	141.7	302.7	35.2	117.1	20.1712	1.84152	12.5	1.5	7.6	1.1	2.4	0.3	2.0	0.3	60.8	3.3	11.3	504.1	42.9	677.9		
SMDH 00008b	43.2	121.8	255.1	30.4	104.346	18.4423	1.72643	11.5	1.5	8.4	1.5	3.4	0.6	3.6	0.6	52.5	5.9	10.1	473.2	105.9	790.2		1.5
SMDH 00008b	51.3	110.5	233.2	27.7	97.3897	17.1744	1.72643	11.1	1.5	9.4	1.8	4.5	0.8	5.5	0.9	49.9	4.0	10.6	479.4	40.1	753.6		
SMDH 00008b	48.9	104.5	222.8	26.7	91.5927	16.4828	1.72643	10.5	1.4	8.8	1.7	4.1	0.7	4.3	0.7	46.8	2.8	11.6	531.7	28.6	815.9	0.2	
SMDH 00008	32.6	106.5	227.8	27.3	92.7521	16.2523	1.38114	9.7	1.3	6.4	1.1	2.6	0.3	2.6	0.3	51.4	2.4	10.5	480.9	20.0	902.1		1.4
SMDH 00008	41.4	85.0	174.7	20.4	67.5931	11.9875	1.26605	7.7	0.9	6.4	1.3	3.4	0.6	4.1	0.7	41.8	2.2	7.6	248.4	21.9	716.2		
SMDH 00008	46.0	102.7	216.9	25.8	88.1145	15.9065	1.72643	10.1	1.4	7.9	1.6	3.9	0.7	4.0	0.7	46.1	3.5	9.8	476.2	22.9	973.6		
SMDH 00008	41.4	102.8	219.2	25.7	88.1145	15.9065	1.72643	10.1	1.3	7.7	1.4	3.4	0.6	3.6	0.7	44.7	3.2	9.7	450.5	18.6	847.2	0.3	1.5
SMDH 00008	35.2	95.3	202.0	24.0	81.1581	14.8691	1.72643	9.1	1.3	7.0	1.3	3.0	0.3	3.2	0.6	42.6	2.8	10.1	455.1	18.6	904.0		
SMDH 00008	31.2	88.8	187.2	22.0	74.2017	13.4859	1.84152	8.4	1.1	6.1	1.1	2.5	0.3	2.6	0.3	38.3	2.1	9.2	421.4	18.6	900.3		
SMDH 00008	62.0	122.2	262.2	30.9	106.665	18.7881	1.72643	11.9	1.6	10.8	2.2	5.5	1.0	5.8	0.8	53.3	3.1	13.7	614.1	25.7	1463.9		1.4
SMDH 00007b	72.6	140.8	314.6	35.3	118.491	21.4391	1.72643	13.7	1.6	8.2	1.5	3.5	0.6	3.8	0.6	58.7	4.2	9.0	873.0	22.5	484.5		1.7
SMDH 00007b	61.6	71.8	161.1	17.8	63.999	11.2959	1.95662	7.4	1.1	6.0	1.3	3.0	0.6	3.0	0.6	29.9	3.7	5.0	489.5	26.6	544.5		
SMDH 00007b	9.8	19.7	35.5	4.3	15.0722	2.99687	1.38114	1.9	0.3	1.6	0.3	0.8	0.3	1.1	0.3	4.7	1.2	12.6	640.1	21.5	1486.3		1.7

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00007b	27.0	19.2	42.8	5.4	19.7098	5.07163	1.49624	4.0	0.7	4.5	0.9	2.1	0.3	2.3	0.3	2.3	1.3	11.6	520.7	30.0	1502.7		
SMDH 00007b	20.7	23.4	51.6	6.2	22.0286	5.07163	1.15095	3.8	0.6	3.7	0.7	1.7	0.3	1.6	0.3	3.4	0.7	5.5	265.6	37.2	1598.2	0.6	
SMDH 00007b	20.0	18.6	40.0	5.3	20.8692	4.95636	1.38114	3.9	0.6	3.9	0.7	1.6	0.3	1.6	0.3	2.0	0.8	3.4	157.2	34.3	1728.6		1.6
SMDH 00007b	38.9	21.0	46.2	5.6	22.0286	5.30216	1.38114	4.2	0.8	5.8	1.4	3.4	0.6	3.3	0.3	2.2	0.6	3.5	162.9	24.3	1645.2		
SMDH 00007	32.3	94.9	208.7	24.5	85.7957	14.9844	1.15095	9.4	1.2	6.5	1.1	2.5	0.3	2.5	0.3	41.0	2.9	11.0	505.7	15.7	900.0		
SMDH 00007	37.6	66.3	141.4	16.5	55.7672	10.1433	1.95662	6.3	0.8	3.7	0.8	1.6	0.3	1.8	0.3	25.0	2.2	5.9	499.7	14.4	463.7		
SMDH 00007	40.3	80.1	174.0	20.4	71.651	12.1027	1.84152	7.3	0.8	4.6	0.8	2.1	0.3	2.3	0.3	31.0	2.1	4.7	448.9	30.6	451.8		
SMDH 00007	10.6	60.7	127.8	14.9	52.1731	8.64482	1.61133	4.8	0.3	2.4	0.3	0.8	0.3	0.7	0.3	23.2	1.4	12.0	538.3	17.2	1317.2		
SMDH 00007	19.5	101.9	209.4	24.6	82.3175	13.7164	1.61133	8.0	0.9	4.4	0.7	1.5	0.3	1.4	0.3	36.6	2.1	8.0	347.8	34.3	1102.1		1.4
SMDH 00007	35.2	103.9	215.8	26.2	86.9551	15.0996	1.84152	9.1	1.2	6.9	1.3	3.0	0.3	3.3	0.3	40.0	4.0	9.3	390.7	83.0	1219.6	0.5	
SMDH 00007	74.9	115.6	240.2	29.2	97.3897	19.8254	2.18681	15.2	4.7	16.0	2.3	4.9	0.8	5.0	0.7	70.0	240.5	16.2	503.6	2230.1	1234.3		
SMDH 00007	40.9	100.6	216.2	25.6	88.1145	15.4454	1.72643	9.4	1.3	7.6	1.5	3.5	0.6	3.8	0.3	42.6	4.1	10.6	472.0	93.0	1004.7		1.5
SMDH 00007	44.6	111.9	240.9	28.9	97.3897	17.4049	1.72643	10.8	1.4	8.0	1.5	3.8	0.6	3.9	0.3	47.6	2.8	11.6	504.1	35.8	878.1		
SMDH 00007	31.7	84.0	179.7	21.3	70.7235	12.6791	1.61133	7.7	1.1	5.8	1.0	2.5	0.3	3.1	0.3	34.1	2.4	8.4	348.0	30.0	609.9	0.7	
SMDH 00007	35.6	111.4	234.0	27.6	93.9115	16.3675	1.84152	9.9	1.3	7.3	1.3	3.0	0.3	3.0	0.3	45.8	6.7	11.0	463.7	32.9	850.5		
SMDH 00006b	39.4	119.7	245.2	30.5	105.506	17.5202	1.61133	10.4	1.4	7.7	1.4	2.9	0.3	3.1	0.3	51.1	2.7	11.6	527.8	18.6	660.1		
SMDH 00006b	91.1	139.9	299.8	35.9	118.027	20.6323	3.68305	13.1	1.9	10.0	2.1	4.3	0.7	4.4	0.7	45.4	3.7	4.4	549.5	24.2	495.0		
SMDH 00006b	55.5	103.4	217.5	26.4	92.7521	15.5607	1.95662	10.1	1.4	9.4	1.9	4.3	0.8	4.5	0.6	43.0	2.2	7.8	337.3	21.5	865.5		
SMDH 00006b	45.6	99.2	206.6	25.2	86.9551	14.7538	1.84152	9.2	1.3	8.1	1.5	3.4	0.6	3.8	0.3	40.8	2.5	8.8	397.1	27.2	753.6		
SMDH 00006b	49.0	90.4	203.6	22.6	78.1437	12.5638	1.38114	8.4	0.9	5.4	1.0	2.2	0.3	1.8	0.3	34.6	2.0	3.6	486.8	14.9	409.5		
SMDH 00006b	51.1	196.3	407.4	47.8	165.794	25.7039	2.18681	15.6	2.0	10.4	1.8	3.5	0.6	3.1	0.3	75.4	3.8	11.6	516.8	25.7	1171.7	0.5	
SMDH 00006b	43.3	149.4	316.7	36.6	127.534	20.8628	2.07171	12.4	1.5	8.5	1.6	3.1	0.3	3.2	0.3	59.2	3.9	11.4	502.9	20.0	1261.6		
SMDH 00006b	50.7	170.5	359.5	41.7	144.925	23.5139	2.5321	13.7	1.8	10.3	1.8	3.5	0.6	3.4	0.3	65.2	3.7	12.1	538.7	27.2	1113.1		1.5
SMDH 00006b	83.8	149.6	330.4	37.5	136.23	21.3239	2.99248	13.5	1.5	9.4	1.8	3.8	0.6	3.6	0.6	57.1	3.5	5.2	508.6	22.3	486.1		1.6
SMDH 00006b	47.8	157.8	331.1	38.8	133.331	20.9781	2.5321	12.4	1.6	9.4	1.7	3.4	0.3	3.2	0.3	59.1	2.9	12.0	532.6	21.5	1068.9	0.3	
SMDH 00006b	51.7	166.0	350.9	41.6	144.925	23.2834	2.07171	13.3	1.8	10.1	1.8	3.8	0.7	3.8	0.3	65.5	3.4	11.9	525.6	21.5	1015.9		1.4
SMDH 00006b	84.3	159.0	355.1	40.4	138.78	23.0528	2.76229	13.6	1.6	9.6	1.8	4.1	0.7	4.0	0.6	58.8	3.4	4.5	636.4	22.7	562.7		
SMDH 00006	42.3	122.4	285.8	30.4	103.187	18.0965	1.72643	10.7	1.4	7.8	1.5	3.4	0.6	3.5	0.6	51.2	3.4	12.5	551.1	24.3	703.8		
SMDH 00006	27.2	94.2	196.3	23.5	78.8393	13.4859	1.03586	7.7	0.9	5.2	0.9	2.3	0.3	2.2	0.3	45.3	1.9	7.2	334.2	20.0	814.3	1.5	1.6
SMDH 00006	58.3	176.1	316.6	41.6	141.447	24.0902	3.79814	14.7	1.9	10.1	1.8	4.1	0.7	3.9	0.6	58.3	2.2	9.7	434.6	18.6	967.3		
SMDH 00006	35.4	114.4	246.5	29.4	99.7085	17.5202	1.72643	10.0	1.3	6.6	1.1	2.7	0.3	2.6	0.3	52.8	3.1	8.6	383.5	22.9	904.2		
SMDH 00006	28.0	120.0	259.6	30.4	102.027	17.5202	1.72643	9.9	1.2	5.5	0.9	2.2	0.3	2.0	0.3	53.0	2.2	8.8	395.1	18.6	958.7		1.4
SMDH 00006	58.8	111.8	244.7	28.7	98.5491	17.5202	1.61133	11.0	1.6	10.2	1.9	4.7	0.8	4.7	0.7	51.1	2.1	12.0	546.3	30.0	1144.1	0.5	
SMDH 00006	49.8	118.9	256.4	29.9	102.027	17.866	1.84152	10.8	1.4	8.4	1.6	4.0	0.7	4.2	0.7	53.8	2.4	10.8	474.1	27.2	856.8		
SMDH 00006	47.0	115.6	249.4	29.3	99.7085	17.4049	1.72643	10.5	1.4	8.0	1.6	3.8	0.7	4.1	0.6	53.5	2.4	11.7	498.6	21.5	838.1		1.4
SMDH 00006	40.9	122.4	260.7	31.2	110.143	17.7507	1.95662	10.7	1.4	7.7	1.4	3.4	0.6	3.4	0.3	54.1	1.9	8.4	376.9	32.9	925.5		
SMDH 00006	37.1	103.1	232.8	28.1	98.5491	16.2523	1.61133	9.9	1.3	7.0	1.3	3.1	0.3	3.2	0.3	51.1	2.0	9.4	415.4	21.5	823.2	0.3	
SMDH 00005b	35.2	110.0	333.9	29.7	94.8391	17.6354	1.15095	11.7	1.3	6.6	1.5	3.0	0.6	3.0	0.6	56.0	3.3	8.0	786.6	18.6	691.2		
SMDH 00005b	25.5	105.1	250.1	27.4	90.7811	15.9065	1.61133	10.2	1.2	5.0	0.9	2.1	0.3	2.5	0.3	44.3	2.7	8.4	507.5	17.6	711.3		
SMDH 00005b	22.6	106.6	225.8	27.1	97.3897	15.6759	1.26605	9.1	1.1	5.2	0.8	1.7	0.3	1.5	0.3	51.0	1.9	10.6	503.6	20.0	931.8		
SMDH 00005b	35.1	140.5	300.4	35.4	126.375	20.2865	2.07171	12.1	1.5	7.2	1.3	2.6	0.3	2.2	0.3	58.1	2.1	10.4	475.6	17.2	813.6	0.6	1.5
SMDH 00005b	34.6	133.6	286.7	33.3	117.1	19.1339	1.84152	11.3	1.4	6.9	1.1	2.7	0.3	2.6	0.3	58.6	2.4	11.6	517.9	24.3	939.7		
SMDH 00005b	30.5	124.8	268.3	30.9	107.824	17.0591	1.84152	10.3	1.3	6.1	1.0	2.4	0.3	2.5	0.3	52.9	1.9	11.6	520.1	17.2	883.0		
SMDH 00005	26.5	103.1	234.5	26.7	92.7521	15.5607	1.38114	9.2	1.2	5.4	0.9	2.2	0.3	2.2	0.3	48.4	1.8	10.7	468.6	21.5	826.2		1.5
SMDH 00005	18.5	83.5	181.7	19.9	66.0859	11.4112	1.49624	7.4	0.7	3.4	0.7	1.5	0.3	0.3	0.3	32.3	3.1	14.1	770.9	19.2	923.8		
SMDH 00005	30.2	133.2	286.0	33.9	117.1	20.056	1.84152	11.3	1.4	6.1	1.1	2.9	0.3	3.1	0.3	54.3	1.9	11.9	566.3	18.6	1077.6		
SMDH 00005	28.5	117.7	252.5	29.2	102.027	16.8286	1.61133	9.7	1.1	5.5	1.0	2.4	0.3	2.6	0.3	49.3	1.8	12.4	537.6	17.2	965.2		1.5
SMDH 00005	34.0	124.9	267.6	30.9	108.984	18.6728	1.61133	10.8	1.3	6.4	1.1	2.9	0.3	3.1	0.3	51.9	1.9	12.9	547.6	25.7	1144.1		
SMDH 00005	38.3	112.4	242.0	28.9	100.868	17.6354	1.49624	10.9	1.3	7.2	1.4	3.1	0.6	3.6	0.3	48.5	2.0	12.5	527.5	21.5	1079.7	0.6	
SMDH 00005	33.5	107.2	229.9	27.1	95.0709	17.1744	1.61133	10.4	1.3	6.6	1.3	2.6	0.3	2.8	0.3	46.7	2.6	11.6	491.6	32.9	897.7		1.5
SMDH 00005	36.8	122.8	266.1	31.3	111.303	20.517	1.61133	11.9	1.4	7.6	1.3	2.7	0.3	2.8	0.3	54.3	2.6	13.2	563.7	44.3	891.8		
SMDH 00005	36.6	118.6	256.6	30.1	105.506	19.2491	1.61133	11.5	1.4	7.7	1.4	2.7	0.3	2.8	0.3	52.8	1.9	13.1	561.3	28.6	796.5		
SMDH 00005	41.3	125.6	273.2	31.8	112.462	20.517	1.95662	12.5	1.5	8.1	1.5	3.1	0.6	3.2	0.3	57.3	2.0	14.0	605.0	31.5	880.2	0.2	1.4
SMDH 00004b	25.5	79.4	184.0	19.7	67.2453	13.0249	1.26605	8.0	0.9	5.0	0.9	2.3	0.3	2.4	0.3	37.7	2.0	14.2	585.0	22.9	1051.2		
SMDH 00004b	28.4	98.3	220.3	23.7	78.8393	15.2149	1.72643	9.1	1.1	5.6	0.9	2.4	0.3	2.6	0.3	41.3	1.9	11.4	471.2	31.5	1002.1		1.4
SMDH 00004b	26.0	100.6	220.3	24.3	82.3175	15.7912	1.61133	9.6	1.1	5.0	0.9	2.2	0.3	2.5	0.3	45.4	2.0	12.4	499.4	22.9	1084.6	0.5	
SMDH 00004b	29.5	100.2	200.9	23.7	81.1581	16.137	1.49624	9.9	1.1	5.6	1.0	2.5	0.3	2.8	0.3	44.4	1.9	12.6	527.1	25.7	1136.2		
SMDH 00004b	48.2	133.6	282.7	34.7	120.578	23.8597	2.87738	17.0	2.0	10.3	1.7	4.1	0.6	4.1	0.6	52.5	2.2	13.1	545.3	71.5	1285.7		1.7
SMDH 00004b	29.8	84.3	176.3	21.0	73.0423	14.5233	1.95662	10.1	1.3	6.0	1.0	2.3	0.3	2.2	0.3	32.7	1.5	11.3	472.6	21.5	1213.5		
SMDH 00004b	30.0	100.8	214.2	25.1	84.6363	16.4828	1.38114	10.8	1.2	6.2	1.0	2.4	0.3	2.6	0.3	44.4	1.8	13.8	563.6	28.6	1290.8	0.4	
SMDH 00004b	34.2	118.6	252.2	29.9	100.868	19.8254	1.49624	11.0	1.3	7.0	1.3	2.7	0.3	2.8	0.3	58.5	2.0	13.6	597.3	38.6	1272.1		1.7
SMDH 00004	19.9	69.0	171.0	17.8	61.4483	10.8348	1.03586	6.5	0.8	4.1	0.7	1.6	0.3	1.8	0.3	37.1	1.8	19.1	832.9	17.2	1235.0		
SMDH 00004	12.8	46.0	92.0	11.0	37.1009	6.4548	1.26605	3.8	0.3	2.5	0.3	1.0	0.3	1.1	0.3	16.9	1.1	8.7	394.0	15.7	857.0		
SMDH 00004	10.8	68.8	132.3	15.9	54.4919	8.76008	2.18681	4.8	0.3	2.2	0.3	0.8	0.3	0.7	0.3	25.0	0.7	7.3	335.0	21.5	901.7	0.7	1.5
SMDH 00004	21.0	131.2	268.4	30.7	104.346	16.7133	1.95662	9.1	0.9	4.5	0.7	1.7	0.3	1.8	0.3	52.2	1.3	13.4	596.1	18.6	1121.5		
SMDH 00004	21.7	125.8	274.3	31.1	106.665	16.9438	1.84152	9.4	0.9	4.5	0.8	1.8	0.3	2.2	0.3	53.4	1.3	12.0	523.2	24.3	1153.5		
SMDH 00004	15.3	93.1	195.1	22.2	77.6799	12.3333	1.61133	7.0	0.7	3.2	0.6	1.3	0.3	1.5	0.3	37.2	1.2	11.3	487.1	35.8	997.9		1.6
SMDH 00004	10.4	66.9	142.3	15.9	54.4919	8.64482	1.72643	4.6	0.3	2.3	0.3	0.8	0.3	0.8	0.3	26.8	0.7	9.3	412.3	15.7	956.1	0.7	
SMDH 00004	11.9	97.9	202.4	23.8	83.4769	13.4859	1.72643	7.6	0.7	3.1	0.3	0.9	0.3	0.8	0.3	39.4	1.5	9.6	411.3	75.8	864.0		
SMDH 00003b	27.0	97.4	216.7	24.0	82.3175	14.6386	1.26605	9.3	1.1	5.3	0.9	2.4	0.3	2.8	0.3	47.2	2.5	22.8	980.1	20.0	992.5		1.4
SMDH 00003b	52.1	157.3	294.9	38.7	131.012	24.436	2.64719	15.0	1.9	9.6	1.8	4.3	0.7	4.5	0.7	67.8	2.4	14.5	620.8	22.9	1033.9		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00003b	20.3	99.0	185.5	22.5	76.5205	13.0249	2.18681	7.4	0.8	3.9	0.7	1.6	0.3	1.5	0.3	34.6	1.1	7.7	346.2	27.2	1002.3	1.3	
SMDH 00003b	28.9	98.4	210.5	23.9	81.1581	14.9844	1.72643	8.7	1.1	5.4	1.0	2.5	0.3	2.8	0.3	43.7	1.7	9.0	390.1	20.0	978.0		1.6
SMDH 00003b	46.1	99.4	220.4	25.2	85.7957	16.8286	1.61133	11.0	1.5	8.5	1.6	4.0	0.7	4.1	0.6	47.2	2.4	11.7	498.4	22.9	1152.8		
SMDH 00003b	57.4	93.5	199.9	23.4	81.1581	16.2523	1.49624	11.2	1.6	9.6	1.9	4.8	0.8	5.0	0.8	44.2	2.7	10.3	441.4	28.6	1055.6		
SMDH 00003b	43.1	97.7	212.5	24.4	83.4769	16.2523	1.49624	10.4	1.4	8.0	1.5	3.7	0.6	3.9	0.6	44.6	2.1	10.3	443.7	25.7	1055.6	0.6	1.6
SMDH 00003b	19.3	94.8	202.4	22.6	77.6799	12.6791	2.07171	8.0	0.8	4.2	0.7	1.5	0.3	1.1	0.3	40.9	0.9	5.4	227.7	12.9	690.7		
SMDH 00003b	13.3	77.7	165.0	18.1	62.6077	10.028	1.84152	6.1	0.6	2.9	0.3	1.0	0.3	0.9	0.3	31.5	1.1	9.3	396.5	15.7	982.7		
SMDH 00003	21.2	79.1	191.3	20.4	70.7235	11.9875	0.69057	7.2	0.8	4.4	0.7	1.7	0.3	1.8	0.3	42.4	3.1	15.1	648.8	100.1	541.2		1.6
SMDH 00003	31.4	149.0	292.6	35.5	121.737	20.2865	2.18681	12.4	1.3	6.6	1.1	2.5	0.3	2.2	0.3	51.3	2.2	10.7	462.1	24.3	1025.9	1.3	
SMDH 00003	36.9	97.7	206.7	24.1	83.4769	14.408	1.49624	8.8	1.1	6.3	1.4	3.5	0.7	4.4	0.7	41.9	1.9	7.2	292.0	24.3	894.4		
SMDH 00003	33.3	97.5	211.8	24.9	85.7957	15.0996	1.38114	8.9	1.1	6.0	1.1	3.0	0.6	3.5	0.6	44.7	2.0	7.4	312.8	15.7	969.2		1.5
SMDH 00003	37.8	90.6	201.9	22.9	79.9987	13.8317	1.38114	8.9	1.1	6.6	1.4	3.4	0.7	4.0	0.6	42.4	2.1	6.6	283.7	20.0	769.9		
SMDH 00003	40.7	88.7	197.0	22.5	77.6799	13.6012	1.26605	8.7	1.2	7.2	1.5	3.5	0.7	4.0	0.6	40.1	2.0	8.0	321.2	20.0	853.8	0.5	
SMDH 00003	45.8	84.3	185.0	20.7	73.0423	12.3333	1.26605	8.5	1.2	7.2	1.5	4.1	0.7	4.2	0.6	36.5	2.1	7.5	320.8	21.5	829.2		1.5
SMDH 00003	53.9	70.0	153.1	17.1	61.4483	9.91272	1.26605	7.4	1.1	7.7	1.7	4.8	0.9	5.7	0.8	30.9	2.0	7.1	290.8	15.7	689.1		
SMDH 00003	53.0	90.8	201.7	22.1	79.9987	13.4859	1.15095	9.4	1.3	8.2	1.7	4.9	0.9	5.2	0.8	40.1	2.7	7.5	316.8	22.9	852.6		
SMDH 00002b	32.8	119.7	267.8	28.7	102.027	16.3675	1.49624	11.0	1.3	6.8	1.1	2.9	0.3	2.8	0.3	48.5	2.6	15.2	643.0	22.9	847.9	0.8	1.7
SMDH 00002b	28.6	96.9	219.0	22.8	81.1581	12.218	1.49624	8.2	1.1	5.2	1.0	2.5	0.3	2.6	0.3	42.2	1.9	10.0	430.4	22.9	1069.8		
SMDH 00002b	9.9	34.0	56.1	7.3	25.5068	3.91898	1.61133	2.6	0.3	1.7	0.3	0.7	0.3	0.7	0.3	9.2	0.7	8.8	380.3	14.3	939.0		
SMDH 00002b	16.6	157.0	329.1	36.7	128.694	18.2117	2.417	11.1	1.1	4.1	0.6	1.3	0.3	0.9	0.3	56.6	1.3	7.0	293.5	11.4	876.0		1.7
SMDH 00002b	0.3	1.6	3.2	0.3	1.1594	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	12.4	10.0	920.3	0.5	
SMDH 00002b	8.7	89.0	187.2	21.4	71.8829	10.8348	1.26605	6.0	0.6	2.2	0.3	0.7	0.3	0.7	0.3	39.1	1.1	11.9	278.0	15.7	1119.6		
SMDH 00002b	11.9	78.9	166.5	18.9	62.6077	9.6822	1.38114	5.6	0.6	2.5	0.3	1.0	0.3	1.0	0.3	32.8	0.9	8.3	178.0	12.9	864.0		1.7
SMDH 00002b	7.0	32.6	66.0	8.0	27.0141	4.49531	1.49624	2.5	0.3	1.0	0.3	0.6	0.3	0.3	0.3	12.2	2.0	5.8	285.8	12.7	464.8		1.8
SMDH 00002	30.3	102.9	232.7	26.5	88.1145	16.0217	1.15095	9.7	1.3	6.1	1.0	2.5	0.3	2.7	0.3	48.5	2.6	14.6	344.2	11.4	705.4		1.7
SMDH 00002	15.8	52.7	114.5	12.9	44.0573	7.49218	1.38114	4.8	0.6	2.9	0.3	1.3	0.3	1.4	0.3	22.5	1.5	9.6	251.2	10.0	794.2		
SMDH 00002	4.1	11.6	18.1	2.4	8.11581	1.26791	1.15095	0.9	0.3	0.6	0.3	0.3	0.3	0.3	0.3	1.9	0.3	6.4	160.3	8.6	665.5		
SMDH 00002	11.4	49.7	105.0	12.0	39.4197	6.91585	1.26605	4.0	0.3	2.3	0.3	1.0	0.3	1.1	0.3	20.0	0.9	8.0	177.6	10.0	684.4	0.8	1.7
SMDH 00002	34.5	101.5	212.2	24.6	82.3175	13.947	1.15095	8.1	1.2	5.8	1.1	3.4	0.6	4.1	0.7	41.6	2.1	11.7	256.5	17.2	948.4		
SMDH 00002	35.4	96.0	216.3	23.4	79.9987	14.5233	1.03586	8.9	1.2	6.0	1.3	3.3	0.7	4.0	0.7	42.2	2.4	12.4	525.3	20.0	1062.4		
SMDH 00002	6.1	15.9	33.3	3.4	11.594	1.95949	1.26605	1.1	0.3	0.9	0.3	0.3	0.3	0.7	0.3	5.0	0.7	8.8	405.2	15.7	1008.4		1.6
SMDH 00002	29.0	71.7	158.1	16.7	56.8107	10.028	1.15095	6.1	0.7	4.4	1.0	2.7	0.3	3.2	0.3	28.7	1.4	12.9	549.6	20.0	1012.4	0.4	
SMDH 00002	16.7	51.4	111.4	11.5	39.4197	6.4548	1.26605	4.0	0.3	2.7	0.3	1.4	0.3	1.5	0.3	20.4	1.3	18.2	787.2	40.1	1638.2		
SMDH 00002	32.4	141.6	314.3	32.9	113.621	18.4423	1.26605	10.9	1.4	6.4	1.1	2.4	0.3	2.0	0.3	60.5	2.2	8.0	340.8	37.2	1072.6		1.5
SMDH 00002	61.5	156.3	353.9	38.1	133.331	22.5918	1.26605	13.7	1.9	10.3	2.1	5.4	0.9	6.3	1.0	71.3	3.1	8.6	354.4	40.1	1122.6		
SMDH 00002	48.7	114.0	256.1	27.6	95.0709	17.4049	1.49624	11.3	1.5	8.1	1.7	4.5	0.8	5.1	0.8	48.8	3.1	11.4	502.2	20.0	1085.3	0.3	
SMDH 00002	44.9	122.8	275.8	29.8	102.027	19.1339	1.49624	11.8	1.5	7.9	1.5	4.2	0.8	5.1	0.8	52.7	3.1	12.3	514.5	18.6	1064.5		1.5
SMDH 00002	38.7	105.3	232.3	25.5	90.4333	15.6759	1.49624	9.6	1.3	6.8	1.4	3.8	0.7	4.7	0.7	44.3	2.6	12.0	528.2	22.9	1018.5		
SMDH 00001b	34.6	102.6	225.9	25.0	88.1145	15.7912	1.49624	9.9	1.3	6.8	1.1	2.7	0.3	2.8	0.3	42.9	2.6	17.6	754.2	30.0	1336.4		
SMDH 00001b	22.8	50.1	58.3	9.7	34.782	6.33953	1.84152	4.4	0.6	3.7	0.7	1.6	0.3	1.5	0.3	9.2	1.4	2.9	134.1	64.4	1462.0	1.0	1.6
SMDH 00001b	16.1	30.4	58.4	7.1	25.5068	4.61057	1.38114	3.3	0.3	3.1	0.6	1.3	0.3	1.3	0.3	7.5	0.6	4.4	196.5	30.0	1733.9		
SMDH 00001b	33.1	29.7	79.2	8.6	34.782	8.18376	2.76229	6.4	1.1	6.4	1.1	2.7	0.3	2.6	0.3	4.2	0.8	4.7	224.6	51.5	3723.0		
SMDH 00001b	35.5	34.4	96.5	9.6	37.1009	8.18376	2.07171	6.5	1.1	6.8	1.4	3.0	0.3	2.8	0.3	7.6	0.9	5.4	247.1	48.6	3718.8		1.5
SMDH 00001b	52.1	85.2	192.9	19.9	70.7235	12.218	1.72643	8.0	1.3	8.2	1.8	4.6	0.8	5.5	0.8	29.8	2.2	10.3	448.2	71.5	1876.2	0.7	
SMDH 00001b	26.9	68.5	146.8	16.3	55.6513	8.99061	1.61133	5.5	0.7	4.5	0.9	2.4	0.3	3.0	0.3	25.2	1.1	7.1	317.3	15.7	903.5		
SMDH 00001b	32.7	74.7	156.8	17.9	61.4483	10.9501	1.72643	6.6	0.9	5.4	1.1	3.1	0.6	3.8	0.6	27.1	1.7	11.0	457.4	22.9	1451.3		1.6
SMDH 00001b	43.2	75.6	162.2	18.6	64.9265	11.4112	1.95662	7.6	1.1	7.0	1.5	4.2	0.8	4.7	0.7	26.6	1.8	9.9	422.8	30.0	1898.2		
SMDH 00001b	28.5	58.5	119.8	13.2	46.3761	6.91585	1.84152	4.6	0.7	4.6	0.9	2.9	0.3	3.3	0.3	18.7	0.9	9.3	392.5	22.9	1010.7	0.7	
SMDH 00001	27.1	84.2	169.6	19.6	69.1003	13.3707	1.15095	8.1	0.9	4.6	1.0	2.4	0.3	1.7	0.3	37.5	4.5	18.1	745.4	17.9	771.1		
SMDH 00001	36.8	112.9	258.0	28.3	97.3897	17.1744	1.61133	11.1	1.4	7.3	1.3	3.2	0.3	3.4	0.3	46.9	2.9	16.2	691.2	20.0	1073.3		
SMDH 00001	24.6	88.1	206.2	22.2	76.5205	14.1775	1.15095	8.5	1.1	5.3	0.8	2.2	0.3	2.2	0.3	38.4	2.6	14.0	611.5	12.9	833.7		
SMDH 00001	26.4	88.8	177.5	20.4	70.7235	12.218	1.49624	7.6	0.9	4.9	0.9	2.3	0.3	2.3	0.3	31.9	2.4	8.4	363.0	21.5	909.1	0.9	1.5
SMDH 00001	21.0	64.9	129.1	14.9	49.8543	8.87535	1.38114	5.7	0.8	4.0	0.7	1.9	0.3	2.3	0.3	23.3	2.0	8.1	337.6	22.9	1107.9		
SMDH 00001	20.5	57.9	115.8	13.2	45.2167	7.95323	1.38114	5.0	0.7	3.8	0.7	1.9	0.3	2.2	0.3	19.2	2.0	8.7	373.0	22.9	1062.6		
SMDH 00001	17.7	66.0	137.9	15.5	53.3325	9.3364	1.38114	5.6	0.7	3.3	0.6	1.5	0.3	1.7	0.3	24.1	1.9	6.6	296.0	20.0	886.0		1.5
SMDH 00001	21.3	79.5	171.3	19.3	67.2453	11.0654	1.38114	6.9	0.8	4.0	0.8	1.8	0.3	2.2	0.3	30.0	2.1	9.2	407.1	18.6	965.4	0.8	
SMDH 00001	25.0	108.8	223.0	26.4	91.5927	15.0996	1.49624	9.2	0.9	4.7	0.9	2.2	0.3	2.5	0.3	38.4	2.1	9.2	408.1	35.8	876.0		
SMDH 00001	22.9	85.5	192.5	21.7	75.3611	13.6012	1.38114	8.1	0.9	4.8	0.8	1.9	0.3	2.3	0.3	36.1	2.0	9.9	441.6	32.9	902.4		1.5
SMDH 00001	20.9	79.2	174.3	19.6	69.5641	12.1027	1.15095	7.7	0.8	4.1	0.8	1.8	0.3	2.2	0.3	31.2	2.5	8.8	382.1	27.2	973.6		
SMDH 00001	22.8	96.4	213.8	24.5	84.6363	14.7538	1.26605	8.8	0.9	4.5	0.8	2.1	0.3	2.5	0.3	40.0	2.5	11.4	482.6	21.5	987.9	0.5	
SMDH 00001	12.5	109.5	231.8	26.3	90.4333	14.6386	1.72643	8.1	0.8	3.0	0.3	0.9	0.3	0.9	0.3	43.3	1.2	7.3	315.3	15.7	933.0		1.7
SMDH 00001	14.6	82.1	176.5	20.4	70.7235	11.9875	1.38114	6.6	0.7	3.2	0.3	1.1	0.3	1.3	0.3	34.1	1.4	6.8	294.6	20.0	902.4		
SMDH 00205	30.7	98.0	223.3	25.5	86.6073	16.9438	1.49624	10.1	1.2	6.0	1.1	2.9	0.3	4.4	0.3	41.5	3.5	13.7	545.0	19.9	642.6		
SMDH 00205	30.2	119.0	229.6	27.1	93.9115	16.3675	1.61133	10.3	1.2	5.8	0.9	2.5	0.3	2.8	0.3	45.0	2.2	13.4	549.6	15.7	1095.3		
SMDH 00205	9.1	49.9	102.2	11.4	38.2603	6.33953	1.38114	3.6	0.3	1.8	0.3	0.7	0.3	0.9	0.3	18.3	1.3	17.6	741.2	20.0	1301.6		
SMDH 00205	5.8	18.8	32.9	4.0	12.7534	2.19002	1.61133	1.4	0.3	0.9	0.3	0.3	0.3	0.6	0.3	4.1	0.6	9.0	405.8	21.5	834.9		1.6
SMDH 00205	2.7	6.8	9.7	1.0	4.52167	1.15264	0.28774	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	0.6	5.1	200.5	8.9	324.2		
SMDH 00205	10.3	51.3	106.0	11.5	40.5791	7.14638	1.38114	4.1	0.3	2.2	0.3	0.8	0.3	0.8	0.3	22.4	1.1	7.9	340.1	15.7	756.4		
SMDH 00205	33.5	104.9	230.7	25.0	85.7957	16.7133	1.61133	10.1	1.3	6.6	1.3	3.0	0.6	3.8	0.6	46.2	2.8	13.9	582.1	22.9	971.7		1.6
SMDH 00205	32.4	94.2	199.0	22.5	76.5205	14.7538	1.49624	9.5	1.2	6.4	1.1	2.9	0.3	3.4	0.6	38.5	2.6	11.9	490.6	21.5	1054.9		
SMDH 00205	37.0	113.0	238.4	26.7	91.5927	17.2896	1.61133	11.2	1.4	7.3	1.3	3.2	0.6	3.9	0.7	45.8	3.4	14.3	588.0	48.6	1207.4	0.4	

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00205	37.0	125.4	278.4	31.5	110.143	20.056	1.49624	12.8	1.5	7.8	1.4	3.2	0.3	3.5	0.6	53.4	3.5	15.2	673.5	31.5	1341.5		1.5
SMDH 00205	39.8	106.6	235.9	26.9	91.5927	16.9438	1.61133	10.9	1.4	7.3	1.4	3.4	0.6	3.6	0.6	45.1	2.9	14.2	632.8	27.2	1264.4		
SMDH 00205	47.8	100.7	224.4	25.8	88.1145	16.8286	1.61133	11.1	1.5	8.7	1.7	4.1	0.7	4.3	0.7	44.1	3.2	13.2	582.5	25.7	1084.6		
SMDH 00205	39.7	86.9	194.1	22.1	76.5205	14.6386	1.72643	9.4	1.3	7.3	1.4	3.3	0.6	3.6	0.3	37.1	2.7	10.8	481.2	30.0	1025.9	0.2	1.7
SMDH 00205	40.6	89.7	200.2	22.7	78.8393	14.7538	1.72643	10.0	1.4	7.6	1.5	3.5	0.6	3.9	0.6	37.8	2.8	10.7	464.9	52.9	1032.9		
SMDH 00205	41.4	91.0	202.5	23.3	81.1581	15.2149	1.61133	10.1	1.4	7.7	1.5	3.5	0.7	4.0	0.6	38.0	2.4	11.8	513.6	22.9	1147.6		
SMDH 00205	44.4	72.7	164.6	19.0	67.2453	13.4859	1.95662	9.4	1.3	8.1	1.6	4.1	0.7	4.5	0.7	26.6	2.2	10.0	433.3	21.5	2395.7		1.7
SMDH 00205b	25.3	86.5	227.8	23.5	81.1581	15.9065	0.92076	9.9	1.2	5.8	0.9	2.2	0.3	2.2	0.3	49.6	2.5	13.2	574.1	17.2	1049.3	0.5	
SMDH 00205b	31.8	99.1	194.0	23.4	78.8393	15.3301	1.72643	9.2	1.2	6.2	1.1	2.7	0.3	3.2	0.6	39.4	1.7	11.2	461.0	14.3	846.1		
SMDH 00205b	35.4	87.3	180.7	21.1	74.2017	14.408	1.49624	8.9	1.2	6.4	1.3	3.1	0.3	3.6	0.6	37.5	2.1	11.1	461.3	30.0	871.5		1.5
SMDH 00205b	29.1	75.8	155.9	18.1	61.4483	11.1806	1.15095	6.8	0.8	4.9	1.0	2.7	0.3	3.1	0.3	30.9	1.7	9.1	380.4	44.3	734.2		
SMDH 00205b	21.7	84.5	175.7	19.6	67.2453	11.5264	1.26605	7.0	0.8	4.1	0.8	2.1	0.3	2.4	0.3	36.2	1.4	8.8	378.0	14.3	832.3	0.3	
SMDH 00205b	44.0	93.5	185.7	21.6	81.1581	15.2149	1.38114	10.3	1.3	7.3	1.5	4.0	0.7	4.8	0.8	45.3	1.9	15.1	584.4	21.5	1154.2		1.5
SMDH 00205b	15.5	81.0	169.0	19.1	66.0859	12.5638	1.38114	7.2	0.8	3.4	0.3	1.3	0.3	1.3	0.3	39.1	1.3	12.4	520.2	20.0	1155.1		
SMDH 00205b	9.9	49.8	98.9	11.0	38.2603	6.33953	1.38114	3.7	0.3	1.9	0.3	0.8	0.3	1.0	0.3	19.2	0.8	14.2	590.3	12.9	1050.2		
SMDH 00205b	20.8	112.6	243.0	27.4	96.2303	18.5575	1.49624	11.3	1.3	5.3	0.7	1.6	0.3	1.3	0.3	58.4	2.2	17.3	721.1	22.9	1472.3	0.3	1.6
SMDH 00205b	33.0	157.0	341.4	39.5	139.128	27.5482	1.26605	17.3	2.0	8.7	1.1	2.3	0.3	1.9	0.3	79.0	4.2	33.3	1410.1	47.2	2890.7		
SMDH 00206	28.5	75.8	165.7	20.1	69.796	13.1401	1.15095	7.7	0.9	4.9	1.0	2.2	0.3	2.4	0.3	34.6	2.8	11.8	504.8	19.0	350.2		
SMDH 00206	41.9	84.3	164.5	21.0	71.8829	14.2928	1.72643	8.9	1.3	7.2	1.4	3.2	0.6	3.5	0.3	39.0	2.4	7.3	308.0	20.0	677.2		1.6
SMDH 00206	40.6	76.6	167.1	19.3	68.4047	13.3707	1.26605	8.7	1.2	7.0	1.4	3.1	0.6	3.3	0.3	39.5	2.5	9.9	407.8	21.5	847.9	0.4	
SMDH 00206	45.4	79.2	173.4	20.3	73.0423	14.6386	1.26605	9.4	1.3	7.9	1.5	3.7	0.7	3.9	0.3	41.5	3.2	8.7	360.7	20.0	713.2		
SMDH 00206	32.8	89.0	195.4	22.6	78.8393	15.0996	1.72643	9.5	1.3	6.6	1.1	2.5	0.3	2.3	0.3	43.8	2.4	8.0	339.3	17.2	887.6		1.6
SMDH 00206	15.8	81.4	177.4	20.5	74.2017	13.2554	1.49624	8.1	0.9	4.1	0.6	1.0	0.3	0.9	0.3	38.7	2.4	9.0	381.6	44.3	916.1		
SMDH 00206	31.1	88.0	194.5	22.7	81.1581	15.6759	1.49624	9.7	1.2	6.3	1.1	2.5	0.3	2.5	0.3	44.7	2.5	8.7	365.0	15.7	815.7	0.3	
SMDH 00206	39.7	71.7	155.6	18.1	63.7671	12.5638	1.26605	8.1	1.2	6.9	1.4	3.1	0.6	3.3	0.3	35.7	2.6	9.2	374.4	31.5	809.9		1.5
SMDH 00206	45.4	73.6	160.5	18.3	56.8107	12.6791	1.26605	8.7	1.2	7.9	1.5	3.7	0.7	3.9	0.6	35.4	2.2	8.3	359.0	21.5	967.5		
SMDH 00206b	26.7	106.1	237.8	25.9	83.4769	16.8286	1.03586	10.3	1.2	5.5	1.0	2.2	0.3	2.4	0.3	50.0	2.5	16.6	717.5	12.9	726.5		
SMDH 00206b	50.6	119.2	214.6	27.7	88.1145	19.9407	2.5321	13.6	1.8	9.2	1.7	3.9	0.7	4.2	0.6	45.2	2.0	10.0	413.8	25.7	923.1	1.0	1.4
SMDH 00206b	39.2	102.6	232.1	27.3	88.1145	20.4018	1.49624	12.7	1.5	7.8	1.4	3.0	0.3	3.1	0.3	54.4	2.5	11.3	473.2	32.9	1031.1		
SMDH 00206b	34.9	115.1	262.0	28.7	98.5491	20.8628	1.49624	12.6	1.4	7.1	1.3	2.9	0.3	3.1	0.3	58.4	2.2	10.8	457.9	22.9	1042.5		
SMDH 00206b	28.1	100.9	231.0	26.3	84.6363	19.5949	1.26605	12.1	1.3	6.1	1.0	2.3	0.3	2.6	0.3	55.8	2.1	9.3	410.9	18.6	1057.9		1.5
SMDH 00206b	29.5	101.6	219.9	27.4	92.7521	16.5981	1.61133	12.4	1.3	7.2	1.4	3.7	0.3	2.6	0.3	54.3	2.7	11.1	455.5	21.5	983.9	0.4	
SMDH 00206b	34.0	108.1	236.8	30.3	98.5491	20.1712	1.38114	12.1	1.4	7.7	0.9	3.7	0.3	3.6	0.3	52.8	2.4	13.0	472.5	21.5	1084.8		1.7
SMDH 00206b	32.1	127.6	284.9	34.2	118.259	20.7476	1.84152	13.6	1.6	5.4	1.0	3.1	0.3	2.5	0.3	69.3	2.8	15.1	624.7	25.7	1168.9		
SMDH 00206b	19.1	108.6	225.0	29.5	91.5927	14.7538	1.49624	10.8	1.1	4.6	0.3	1.7	0.3	0.6	0.3	46.1	2.2	12.7	490.9	18.6	1000.7	0.8	
SMDH 00206b	24.2	119.9	258.0	32.9	111.303	16.9438	1.61133	12.5	1.4	6.1	0.8	1.8	0.3	1.5	0.3	55.2	2.4	12.1	370.1	21.5	1054.0		1.6
SMDH 00206b	30.5	121.9	263.2	33.3	113.621	22.0155	1.49624	13.6	1.2	8.0	1.0	2.5	0.3	2.0	0.3	44.9	2.1	12.0	473.2	21.5	1042.7		
SMDH 00206b	33.6	120.5	262.7	33.1	106.665	17.6354	1.26605	13.4	1.5	6.8	1.4	4.3	0.3	3.6	0.6	58.1	2.4	15.4	607.0	18.6	1135.2		
SMDH 00207	18.9	60.2	159.1	16.1	44.0573	9.56693	0.92076	7.0	0.6	2.9	0.6	1.6	0.3	1.3	0.3	41.7	2.4	10.3	486.4	21.5	1172.2	0.8	1.3
SMDH 00207	32.1	111.6	219.4	28.3	88.1145	14.9844	2.30191	12.9	1.3	5.5	0.7	2.6	0.3	1.9	0.3	52.8	3.3	5.8	304.1	24.3	911.9		
SMDH 00207	43.6	101.5	193.5	24.1	81.1581	16.137	1.72643	11.5	1.3	6.3	1.1	3.5	0.3	3.6	0.3	54.4	4.0	11.8	488.7	21.5	1001.4		
SMDH 00207	63.6	129.5	337.9	35.7	98.5491	15.9065	2.18681	11.7	2.0	10.2	1.5	6.0	0.3	4.1	0.6	56.0	6.7	13.7	583.7	25.7	1113.3		1.6
SMDH 00207	34.3	82.5	171.1	22.3	70.7235	16.7133	1.38114	10.4	1.2	4.7	0.7	2.9	0.3	1.8	0.3	47.4	4.1	11.3	523.6	22.9	976.4	0.6	
SMDH 00207	39.3	96.7	197.1	25.5	79.9987	16.3675	1.38114	12.4	1.1	6.3	1.0	3.2	0.3	3.3	0.3	54.6	4.1	12.3	548.3	18.6	1135.7		
SMDH 00207	34.3	123.3	244.1	32.1	110.143	19.0186	1.84152	12.7	1.3	5.6	1.1	3.5	0.3	2.8	0.3	71.8	3.4	18.2	789.9	21.5	1381.9		1.5
SMDH 00207	37.9	120.2	247.7	31.7	100.868	17.6354	1.84152	12.8	1.3	6.3	1.3	4.1	0.7	3.5	0.6	47.8	2.5	11.9	520.7	18.6	1057.5		
SMDH 00207	21.9	113.2	252.8	32.7	98.5491	4.49531	1.84152	12.7	1.2	4.6	0.9	1.7	0.3	1.4	0.3	18.7	2.2	8.8	328.8	17.2	992.3	0.5	
SMDH 00207	29.1	102.4	258.6	31.0	90.4333	3.80372	1.26605	10.3	1.2	4.9	0.8	3.7	0.6	2.0	0.3	18.1	2.8	10.6	424.8	18.6	955.9		1.6
SMDH 00207	7.9	37.0	82.3	9.0	31.4198	5.53268	1.95662	3.1	0.3	1.4	0.3	0.6	0.3	0.7	0.3	14.5	1.1	5.8	313.7	18.0	386.8		1.7
SMDH 00207b	34.0	93.4	189.1	27.7	81.1581	3.57319	1.38114	10.2	1.2	6.2	0.9	3.1	0.3	2.8	0.3	24.4	2.8	19.6	833.4	15.7	698.0		
SMDH 00207b	21.8	90.1	205.4	31.0	89.2739	3.80372	1.95662	8.5	0.8	4.0	0.8	1.8	0.3	2.2	0.3	19.9	2.6	13.3	541.5	20.0	4476.5	1.4	1.7
SMDH 00207b	34.7	123.2	252.7	30.7	107.824	3.45793	1.61133	11.6	1.4	6.3	1.1	2.6	0.3	2.3	0.3	20.0	2.0	8.7	345.8	17.2	880.2		
SMDH 00207b	27.8	193.2	392.9	46.0	158.838	5.41742	2.417	10.7	1.4	5.4	1.0	2.1	0.3	1.7	0.3	22.3	1.8	9.2	361.5	40.1	854.9		
SMDH 00207b	32.6	79.5	173.1	23.1	70.7235	3.2274	2.07171	10.9	0.9	6.2	1.1	2.9	0.3	2.5	0.3	19.9	1.9	8.6	373.4	18.6	1527.7		1.6
SMDH 00207b	52.0	48.7	87.4	14.8	41.7385	2.30528	2.417	8.0	0.9	9.3	1.7	4.2	0.3	3.6	0.6	16.2	2.7	7.8	343.0	37.2	2982.5	0.9	
SMDH 00207b	37.4	105.5	230.2	26.2	89.2739	18.0965	1.49624	10.7	1.3	8.5	1.1	3.5	0.6	3.1	0.3	10.6	4.0	6.6	264.1	17.2	879.7		
SMDH 00208	40.7	92.4	201.0	23.3	74.2017	13.2554	2.5321	9.5	1.1	5.6	1.0	3.0	0.3	2.7	0.3	52.5	3.3	15.3	609.6	17.2	795.4		1.6
SMDH 00208	42.6	98.7	211.4	24.5	78.8393	13.4859	3.10757	11.1	1.3	6.3	1.3	3.4	0.3	3.0	0.3	30.3	3.9	7.0	246.7	18.6	859.4		
SMDH 00208	42.8	120.2	243.7	29.1	95.0709	16.3675	1.15095	11.8	1.4	6.2	1.3	3.1	0.3	2.4	0.3	63.8	4.6	15.0	622.0	30.0	1168.9	1.1	
SMDH 00208	49.0	147.7	278.0	30.6	113.621	20.1712	1.49624	14.1	1.5	7.7	1.4	3.8	0.7	2.8	0.3	81.5	5.0	19.1	695.9	22.9	1199.5		1.4
SMDH 00208	37.8	103.4	217.1	26.8	89.2739	12.7943	1.49624	9.7	1.3	6.2	1.3	3.4	0.3	2.4	0.3	44.9	4.4	13.9	591.0	22.9	1061.4		
SMDH 00208	28.4	60.9	122.7	14.4	45.2167	9.3364	1.03586	5.5	0.7	4.4	0.9	2.4	0.3	1.9	0.3	25.7	2.8	11.1	460.9	17.2	764.8		
SMDH 00208	34.6	108.2	230.2	26.9	88.1145	14.6386	1.95662	9.4	1.2	7.0	1.0	3.0	0.3	2.0	0.3	39.9	1.9	10.4	493.4	21.5	804.7	0.1	1.5
SMDH 00208	40.3	108.5	236.1	26.9	90.4333	18.2117	1.84152	9.2	1.1	5.8	1.1	3.5	0.8	3.8	0.3	41.8	2.0	12.0	506.6	30.0	861.9		
SMDH 00208	38.0	90.4	199.8	23.5	75.3611	14.0622	1.15095	9.9	1.3	6.2	1.3	4.1	0.6	3.9	0.3	34.0	2.4	9.4	383.8	20.0	859.6		
SMDH 00208b	26.1	86.1	182.5	19.3	70.7235	13.2554	1.15095	6.8	0.8	3.1	0.7	2.1	0.3	2.2	0.3	38.3	2.7	13.2	573.4	12.9	682.8		1.5
SMDH 00208b	38.8	106.0	237.9	25.1	81.1581	12.6791	1.03586	8.2	0.9	4.8	0.9	3.0	0.3	2.8	0.3	37.8	3.1	8.5	381.6	18.6	1024.3	1.2	
SMDH 00208b	78.4	132.2	294.3	33.5	114.781	21.6697	2.18681	13.2	2.3	12.8	2.5	5.1	0.8	4.9	0.6	46.7	3.7	12.1	541.4	25.7	893.0		
SMDH 00208b	51.2	101.7	235.0	26.8	84.6363	17.2896	1.26605	11.2	1.6	9.6	1.6	4.3	0.6	4.2	0.3	40.9	2.7	11.6	504.4	21.5	833.2		1.6
SMDH 00208b	43.0	115.5	259.8	30.0	100.868	18.6728	1.61133	11.9	1.5	7.9	1.4	3.8	0.3	3.2	0.3	50.4	3.1	10.5	453.9	21.5	971.7		
SMDH 00208b	35.0	98.3	204.7	24.1	79.9987	12.218	1.15095	9.5	1.2	6.6	1.1	2.4	0.3	2.5	0.3	43.8	2.6	13.3	595.0	15.7	864.3	0.8	

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00208b	49.8	102.8	221.8	26.7	83.4769	17.0591	1.61133	11.6	1.4	9.2	1.6	3.7	0.7	4.0	0.6	30.9	2.4	14.3	589.9	20.0	812.7		1.7
SMDH 00209	91.0	305.4	721.9	82.3	291.01	47.3736	1.61133	30.6	3.8	18.6	2.7	6.8	1.3	6.8	1.1	156.0	6.5	46.1	1954.7	20.0	502.7		
SMDH 00209	33.3	87.6	181.1	19.9	64.9265	11.9875	1.72643	7.6	0.8	4.8	0.9	2.6	0.7	3.2	0.3	29.2	2.6	25.2	1182.5	21.5	1080.4	1.3	1.5
SMDH 00209	21.7	36.3	71.5	8.6	25.5068	4.61057	0.92076	3.7	0.3	4.6	0.7	1.0	0.3	1.7	0.3	10.6	2.0	34.3	1588.1	17.2	695.2		
SMDH 00209	15.2	36.2	70.1	7.9	20.8692	4.49531	1.03586	3.4	0.3	2.6	0.3	0.6	0.3	1.0	0.3	14.1	1.8	32.0	1461.4	14.3	619.9		
SMDH 00209	10.1	50.2	100.0	12.2	38.2603	6.68533	0.80567	5.6	0.3	1.7	0.3	0.6	0.3	0.9	0.3	18.2	1.3	24.1	1114.4	17.2	967.3		1.6
SMDH 00209	34.0	120.6	249.3	30.3	90.4333	16.4828	1.38114	10.2	1.4	6.5	1.1	3.1	0.6	4.3	0.3	50.6	2.6	13.7	641.4	22.9	1192.5	0.9	
SMDH 00209	52.8	163.8	335.7	40.0	136.809	22.246	1.95662	16.2	2.0	11.1	1.8	5.5	0.9	5.7	0.8	68.7	3.2	37.7	1811.4	42.9	1194.8		
SMDH 00209	45.8	131.5	266.1	32.3	104.346	15.0996	1.49624	11.2	1.5	7.9	1.7	4.1	0.7	4.7	0.9	81.7	2.8	36.9	1624.1	22.9	1173.3		1.5
SMDH 00209	42.2	144.8	304.3	36.3	128.694	17.1744	1.84152	15.6	1.8	8.2	1.6	3.5	0.7	4.3	0.6	62.8	2.1	26.2	1184.0	18.6	1142.0		
SMDH 00209	42.6	173.5	461.0	49.1	190.142	20.4018	1.72643	12.6	1.3	8.2	1.4	3.3	0.6	3.6	0.3	66.0	2.7	32.9	1460.3	37.2	2023.1	0.5	
SMDH 00209	55.5	104.8	202.7	24.7	79.9987	13.2554	1.49624	11.1	1.3	8.5	1.9	4.7	0.8	6.9	1.0	42.1	2.4	23.1	1064.2	20.0	1233.1		1.4
SMDH 00209	50.4	98.7	202.0	22.6	75.3611	12.7943	1.38114	10.1	1.5	8.8	2.1	4.9	1.0	6.0	0.8	30.7	2.0	15.3	678.2	20.0	1122.9		
SMDH 00209	47.1	133.1	288.0	34.9	110.143	19.8254	1.49624	10.4	1.5	8.6	1.6	4.6	0.8	4.4	0.9	59.2	2.7	10.0	481.3	24.3	1677.9		
SMDH 00209	43.6	135.0	258.0	30.3	98.5491	16.8286	2.18681	8.8	1.2	5.8	1.1	2.9	0.3	2.6	0.3	57.7	3.5	10.7	518.6	21.5	1311.1	0.7	1.6
SMDH 00209	49.8	147.0	292.2	33.5	103.187	18.2117	1.61133	11.6	1.3	6.1	1.5	4.8	0.3	3.2	0.3	73.8	4.1	13.1	616.1	25.7	1497.1		
SMDH 00209	52.5	132.8	274.0	30.9	111.303	14.5233	1.15095	10.2	1.8	9.2	1.7	5.4	0.6	3.3	0.3	67.2	4.4	23.1	1142.4	18.6	1265.4		
SMDH 00209	38.9	113.2	232.5	27.7	88.1145	13.8317	1.49624	7.7	0.9	4.1	0.7	2.5	0.3	1.5	0.3	61.9	4.1	2.1	93.7	20.0	1155.8		1.5
SMDH 00209	28.3	67.4	133.2	14.7	47.5355	7.95323	1.15095	5.0	0.3	3.0	0.6	2.1	0.3	1.5	0.3	34.3	3.5	2.6	108.2	18.6	1359.5	0.3	
SMDH 00209b	45.4	105.8	239.7	27.3	86.9551	16.4828	1.26605	9.5	1.2	8.0	1.7	3.2	0.3	3.9	0.3	62.9	3.8	2.6	97.8	15.7	878.3		
SMDH 00209b	40.3	101.7	169.1	19.1	69.5641	10.6043	1.26605	6.4	1.1	6.4	1.5	4.6	0.7	3.5	0.3	40.0	2.2	1.4	58.2	22.9	936.9		1.4
SMDH 00209b	42.6	71.2	137.1	16.5	57.9701	10.7196	0.92076	7.3	0.9	6.5	1.5	3.5	0.3	3.3	0.3	33.3	1.9	7.9	309.3	18.6	792.3		
SMDH 00209b	45.0	96.9	199.3	23.5	78.8393	11.757	1.15095	9.4	1.2	7.3	1.5	4.3	0.6	4.3	0.3	40.3	2.7	9.9	315.4	24.3	722.3	1.4	
SMDH 00209b	33.1	119.0	250.0	30.6	105.506	16.3675	1.26605	11.2	1.1	5.2	1.1	2.3	0.3	2.4	0.3	59.3	2.4	12.6	457.9	24.3	1020.6		1.5
SMDH 00209b	36.4	139.9	280.9	34.0	112.462	20.1712	1.15095	14.3	1.2	7.1	1.1	2.6	0.3	2.2	0.3	64.6	2.7	14.3	478.9	27.2	1027.6		
SMDH 00209b	62.2	138.1	295.6	37.1	117.1	19.8254	1.72643	15.0	1.9	10.0	1.8	5.9	1.0	6.8	1.0	63.4	2.8	11.9	441.0	30.0	1144.1		
SMDH 00209b	38.1	136.0	280.4	34.0	111.303	18.7881	1.38114	12.5	1.4	7.0	1.4	3.1	0.3	3.1	0.3	75.4	2.6	14.9	504.0	24.3	1015.9	0.5	1.4
SMDH 00209b	14.8	63.2	118.8	14.4	49.8543	9.45167	1.03586	5.3	0.3	2.9	0.3	1.5	0.3	1.0	0.3	27.5	1.9	11.7	456.2	14.3	897.0		
SMDH 00209b	24.5	70.3	136.5	16.5	55.6513	9.3364	1.49624	5.6	0.6	3.2	1.0	2.3	0.3	2.5	0.3	24.1	1.9	11.3	437.8	24.3	1097.4		
SMDH 00209b	23.3	51.6	109.2	12.7	40.5791	8.87535	1.26605	5.3	0.3	2.4	0.7	1.3	0.3	1.0	0.3	28.2	2.1	13.4	540.6	20.0	1081.8		1.5
SMDH 00209b	45.2	100.9	219.3	25.7	76.5205	13.4859	1.03586	8.4	1.1	6.1	1.3	3.2	0.6	2.5	0.3	58.3	3.2	16.5	607.9	17.2	826.7	0.4	
SMDH 00210	38.4	98.6	213.3	25.2	88.1145	18.6728	1.26605	9.1	1.2	4.7	1.0	1.7	0.3	1.7	0.3	50.5	3.8	9.8	368.5	17.2	939.3		
SMDH 00210	54.9	65.9	119.7	15.5	51.0137	11.0654	1.49624	7.3	0.7	4.6	1.3	3.3	0.6	2.7	0.3	27.7	3.3	10.7	387.9	21.5	815.2		1.5
SMDH 00210	64.6	240.2	209.4	18.5	70.7235	8.29903	1.49624	5.3	0.9	6.3	1.7	5.5	0.7	4.5	0.8	20.3	3.3	17.5	647.2	48.6	773.9		
SMDH 00210	70.8	82.8	183.6	20.2	69.5641	15.2149	1.26605	8.4	1.2	8.0	1.7	5.8	1.1	5.1	0.7	43.2	4.1	13.7	471.3	24.3	1017.5	0.7	
SMDH 00210	66.2	71.2	150.0	17.2	52.1731	12.4485	1.26605	7.7	1.3	7.7	1.6	4.0	0.9	4.2	0.7	30.1	4.1	10.7	443.6	24.3	799.1		1.6
SMDH 00210	64.0	36.0	64.7	7.8	19.7098	5.41742	1.49624	3.1	0.9	9.3	2.2	4.9	0.9	5.0	0.7	9.0	2.0	11.1	495.2	24.3	700.5		
SMDH 00210	64.6	32.9	61.6	6.0	15.0722	4.8411	1.38114	4.8	0.9	8.7	2.4	5.7	1.1	8.8	2.0	24.5	1.7	15.7	540.9	25.7	942.5		
SMDH 00210	32.8	99.4	205.1	25.2	83.4769	17.0591	1.49624	9.3	1.2	6.5	1.3	3.1	0.6	3.4	0.3	47.6	3.9	17.1	615.4	20.0	880.6	0.7	1.6
SMDH 00210	32.1	113.0	240.5	28.2	96.2303	16.7133	1.26605	9.9	0.8	5.6	1.1	3.0	0.3	3.2	0.6	48.7	2.2	10.4	397.8	21.5	925.2		
SMDH 00210	38.7	123.9	215.2	24.9	92.7521	13.1401	1.26605	8.9	0.9	6.4	1.1	3.1	0.6	4.8	0.9	43.4	2.5	15.3	577.1	25.7	989.7		
SMDH 00210	23.3	111.9	226.1	26.8	81.1581	14.8691	1.49624	8.8	0.9	4.4	0.8	1.6	0.3	1.4	0.3	46.9	2.2	14.9	508.2	21.5	940.2	0.6	
SMDH 00210b	29.9	132.5	269.4	30.6	104.346	16.137	1.38114	11.7	1.2	7.4	1.3	1.9	0.3	1.7	0.3	59.3	3.2	20.2	727.0	12.9	776.5		
SMDH 00210b	49.0	214.7	329.8	53.2	195.939	30.8908	1.84152	20.6	2.1	8.8	1.6	3.9	0.3	4.0	0.3	62.6	4.5	12.7	637.7	20.0	947.7		1.4
SMDH 00210b	39.7	89.8	180.4	21.4	74.2017	11.0654	1.49624	8.1	1.1	5.3	1.1	3.0	0.3	2.8	0.6	63.6	3.5	11.7	541.0	18.6	898.6		
SMDH 00210b	32.1	94.8	195.6	22.6	73.0423	13.947	1.38114	8.2	0.7	4.2	0.8	1.6	0.3	1.5	0.3	199.1	3.7	18.8	964.2	20.0	863.6	0.7	
SMDH 00210b	32.3	91.7	188.9	22.3	67.2453	11.9875	1.61133	7.6	0.8	3.2	0.3	0.9	0.3	0.6	0.3	54.7	4.1	13.2	596.2	17.2	693.3		1.6
SMDH 00210b	39.3	114.9	239.8	26.4	92.7521	13.2554	1.61133	9.3	1.2	4.2	0.8	2.1	0.3	3.2	0.3	79.4	4.5	16.4	860.3	22.9	1017.5		
SMDH 00210b	34.1	93.6	202.4	22.7	75.3611	13.6012	1.61133	9.1	0.8	4.7	0.7	1.9	0.3	2.3	0.3	65.2	3.2	13.4	646.1	18.6	978.0		
SMDH 00210b	50.4	129.8	329.8	31.5	106.665	17.6354	1.84152	11.9	1.3	6.8	1.6	4.0	0.6	4.9	0.8	66.5	3.7	15.9	776.8	24.3	1160.0	0.5	1.6
SMDH 00210b	41.9	115.2	240.7	27.6	93.9115	17.9812	1.61133	11.3	1.3	7.0	1.4	3.2	0.7	3.8	0.7	73.1	5.2	18.3	826.0	22.9	1283.6		
SMDH 00210b	29.1	294.8	476.4	52.5	220.286	28.5855	3.45286	11.2	1.8	5.4	1.1	2.1	0.3	3.0	0.3	37.1	2.4	15.7	418.3	58.7	1017.3		
SMDH 00210b	20.3	120.7	197.9	24.7	83.4769	14.8691	1.26605	8.0	1.3	4.6	0.6	1.3	0.3	0.8	0.3	38.6	2.2	20.6	526.7	21.5	1127.1		1.4
SMDH 00210b	25.6	118.0	196.5	24.9	95.0709	15.0996	1.15095	8.2	1.4	4.5	0.8	1.6	0.3	2.3	0.3	50.1	3.3	21.8	619.5	22.9	1098.1	0.5	
SMDH 00210b	27.9	139.0	218.7	26.9	93.9115	13.3707	1.72643	8.4	1.3	4.9	0.8	1.5	0.3	1.9	0.3	47.9	3.5	17.1	495.3	30.0	956.8		
SMDH 00210b	31.6	106.5	175.2	22.6	75.3611	13.1401	1.26605	8.4	1.6	6.0	1.0	2.1	0.3	2.3	0.3	41.1	3.4	17.9	526.4	21.5	941.1		1.4
SMDH 00211	49.7	126.5	288.1	31.0	106.665	18.327	1.38114	11.3	1.5	8.0	1.6	3.5	0.6	3.6	0.6	56.1	4.0	14.5	531.5	21.5	550.8		
SMDH 00211	38.5	88.7	141.2	16.5	53.3325	8.87535	1.15095	6.3	1.2	5.5	1.4	2.4	0.3	3.3	0.3	80.7	3.5	16.9	408.2	28.6	876.2	1.2	
SMDH 00211	59.3	103.6	162.3	19.1	68.4047	9.79746	1.49624	7.2	1.6	8.2	1.9	3.8	0.6	4.8	0.7	50.0	2.6	13.6	395.0	25.7	1046.5		1.6
SMDH 00211	35.5	47.0	68.4	8.5	22.0286	5.30216	1.49624	3.0	0.8	4.7	1.1	2.6	0.3	3.8	0.3	15.3	1.5	16.3	434.4	22.9	963.6		
SMDH 00211	37.8	47.5	93.2	6.4	19.7098	4.14951	1.15095	2.7	1.1	5.0	1.3	2.6	0.3	3.9	0.3	9.9	3.1	12.5	312.4	8.6	809.6		
SMDH 00211	46.4	137.5	308.6	18.0	82.3175	10.9501	2.18681	4.4	1.4	7.0	1.6	3.7	0.3	6.4	0.3	8.1	3.2	10.3	294.9	15.7	793.5	0.5	1.6
SMDH 00211	51.2	32.6	64.7	4.1	12.7534	4.03425	1.49624	1.7	1.3	6.6	1.7	4.2	0.7	8.8	0.3	6.4	3.4	15.3	423.1	10.0	736.5		
SMDH 00211	53.6	25.8	50.4	3.7	10.4346	2.65108	1.15095	2.3	1.4	6.2	1.8	4.6	1.0	8.6	0.6	11.4	3.1	17.1	478.6	7.2	793.5		
SMDH 00211	28.5	72.8	161.0	11.6	41.7385	8.76008	1.03586	3.8	1.3	3.6	1.0	1.8	0.3	3.6	0.3	64.4	3.2	18.0	503.0	8.6	850.7		1.6
SMDH 00211	25.7	89.0	193.6	14.5	48.6949	10.3738	0.69057	4.7	1.4	4.1	0.9	1.7	0.3	3.6	0.3	78.4	3.7	15.6	421.4	8.6	1028.5	0.6	
SMDH 00211	17.6	53.9	117.7	8.3	28.985	7.7227	1.15095	3.2	0.6	2.3	0.3	0.9	0.3	2.2	0.3	48.7	2.8	14.4	405.9	5.7	812.0		
SMDH 00211b	26.0	80.3	172.4	12.1	51.0137	11.0654	0.80567	5.0	1.4	4.1	0.8	1.7	0.3	3.2	0.3	51.7	3.7	15.2	437.9	10.0	1141.3		1.3
SMDH 00211b	43.0	109.5	247.2	19.2	68.4047	13.947	1.03586	6.9	1.6	5.2	1.1	2.3	0.3	4.3	0.3	71.4	4.4	16.6	436.0	10.0	926.9		
SMDH 00211b	28.8	74.5	151.2	12.4	47.5355	11.8722	1.03586	4.6	1.3	3.8	0.8	1.3	0.3	3.1	0.3	70.4	3.1	18.4	481.2	7.2	847.2	1.1	
SMDH 00211b	24.0	88.2	182.6	15.0	54.4919	12.6791	0.80567	5.6	1.1	2.7	0.3	0.9	0.3	1.7	0.3	61.8	2.7	16.9	521.8	5.7	1040.9		1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00211b	40.7	93.9	193.7	15.1	56.8107	15.2149	0.92076	5.6	1.5	4.4	1.0	2.2	0.3	4.9	0.3	58.9	3.4	15.4	445.2	8.6	995.3		
SMDH 00211b	29.5	98.0	178.0	14.7	59.1295	10.028	0.92076	4.5	1.1	3.6	0.7	1.5	0.3	4.2	0.3	51.4	2.6	12.5	405.8	10.0	915.7		
SMDH 00211b	24.6	80.8	170.3	13.0	47.5355	10.2585	1.15095	4.4	1.3	3.0	0.6	1.3	0.3	1.9	0.3	61.1	2.9	17.8	484.8	7.2	890.4	0.6	1.6
SMDH 00211b	26.2	73.0	152.4	12.1	47.5355	9.6822	0.92076	4.4	0.9	3.1	0.7	1.5	0.3	2.7	0.3	54.5	2.6	14.2	454.4	5.7	810.8		
SMDH 00211b	29.3	78.7	161.3	13.7	51.0137	13.0249	1.03586	4.9	1.4	3.1	0.8	1.3	0.3	3.6	0.3	41.3	2.7	10.3	349.5	5.7	854.0		
SMDH 00211b	44.4	105.8	218.7	27.5	83.4769	18.2117	1.38114	11.8	1.6	9.6	1.7	5.8	0.6	4.5	1.5	45.5	3.3	10.1	440.1	27.2	780.4		1.6
SMDH 00211b	32.1	130.8	200.2	24.4	79.9987	14.9844	1.49624	9.7	1.2	7.1	1.3	3.5	0.3	3.3	1.1	51.3	2.8	12.1	531.7	31.5	712.0	0.5	
SMDH 00211b	38.8	109.9	216.2	26.7	89.2739	17.2896	1.61133	11.0	1.5	8.0	1.4	4.7	0.3	3.8	1.5	39.6	2.9	7.3	300.4	18.6	919.4		
SMDH 00211b	51.8	153.7	269.8	32.4	105.506	18.6728	2.18681	12.0	2.2	9.5	1.6	6.6	0.7	4.4	1.9	54.4	3.5	12.4	485.2	32.9	1112.8		1.5
SMDH 00211b	52.0	141.6	285.3	35.1	117.1	21.7849	2.18681	12.5	2.0	8.5	1.7	5.2	0.6	4.7	2.2	49.1	4.6	11.2	482.4	31.5	1131.5		
SMDH 00211b	52.5	151.3	308.9	38.0	126.375	19.0186	1.84152	14.8	2.0	12.5	1.9	5.2	0.8	4.9	1.9	59.5	4.2	18.2	674.5	28.6	1270.7		1.6
SMDH 00211b	40.0	154.5	319.0	36.7	121.737	22.3613	1.95662	14.8	2.5	8.7	1.3	5.2	0.6	3.3	1.5	63.9	3.1	13.8	562.2	22.9	1098.6		
SMDH 00211b	22.7	112.7	189.9	25.8	77.6799	14.0622	2.76229	7.4	0.8	3.4	0.6	1.8	0.3	0.8	0.7	44.5	2.4	11.7	458.2	20.0	765.2		
SMDH 00211b	26.4	122.0	212.8	28.0	81.1581	14.7538	1.72643	7.6	0.9	6.0	0.7	1.6	0.3	0.6	0.9	48.9	2.9	12.7	525.9	18.6	738.4	0.4	1.6
SMDH 00212	77.9	209.9	344.0	47.3	144.925	22.1307	2.64719	16.0	2.2	13.4	2.7	12.0	1.1	6.9	2.2	63.5	4.5	16.4	624.7	31.5	956.6		
SMDH 00212	46.8	130.8	230.2	31.5	93.9115	15.4454	1.84152	10.8	1.5	8.1	1.6	5.6	0.7	3.0	1.6	57.1	3.8	14.2	526.9	27.2	995.8		
SMDH 00212	42.2	142.3	258.5	35.3	119.418	16.7133	1.61133	10.1	1.3	8.6	1.7	5.9	0.6	2.5	1.7	54.5	3.2	11.7	503.3	28.6	1079.2		1.5
SMDH 00212	39.9	154.9	269.8	38.0	110.143	14.7538	1.95662	12.7	1.2	7.7	1.9	4.6	0.6	1.9	1.0	57.6	3.1	12.1	521.7	24.3	995.8	0.7	
SMDH 00212	43.6	145.6	263.3	36.4	108.984	14.9844	1.26605	10.8	2.0	9.3	2.1	6.5	0.7	2.7	1.2	51.2	3.1	11.9	477.1	27.2	1147.9		
SMDH 00212	90.0	109.9	243.7	28.0	95.0709	19.3644	1.72643	10.9	1.4	9.3	1.7	3.8	0.7	3.6	1.1	50.4	4.8	13.1	562.9	30.0	1135.7		1.5
SMDH 00212	90.0	96.0	209.6	25.8	81.1581	15.5607	1.61133	9.4	1.3	8.6	1.8	3.7	0.9	4.1	1.4	49.6	2.9	10.8	531.5	28.6	949.3		
SMDH 00212	107.3	112.9	238.7	26.7	93.9115	17.4049	1.49624	11.1	1.9	15.9	4.1	9.2	1.9	10.1	1.5	47.0	3.5	12.9	543.0	30.0	1168.9	0.4	
SMDH 00212	125.6	111.7	233.9	25.8	92.7521	17.0591	1.49624	11.2	2.1	17.5	4.7	11.1	2.3	12.5	1.7	44.1	3.5	14.9	623.7	32.9	929.0		1.5
SMDH 00212b	46.6	127.0	284.0	30.4	106.665	19.0186	1.61133	11.7	1.5	9.0	1.8	3.8	0.7	3.4	0.3	54.2	3.5	17.2	755.8	20.0	1028.5		
SMDH 00212b	50.4	93.6	167.0	21.0	74.2017	13.2554	1.49624	8.7	1.2	8.1	1.8	3.9	0.7	3.5	0.3	32.6	2.1	7.2	307.6	20.0	783.5		
SMDH 00212b	53.6	105.1	226.8	25.1	89.2739	16.5981	1.49624	10.1	1.4	9.4	2.1	4.3	0.8	4.2	0.6	44.5	3.4	9.8	420.0	24.3	974.8	0.9	1.6
SMDH 00212b	59.1	108.5	231.1	25.8	91.5927	17.0591	1.26605	10.0	1.5	10.0	2.3	4.7	0.9	4.5	0.6	45.2	3.2	11.2	477.5	25.7	1094.8		
SMDH 00212b	39.3	96.5	204.1	22.6	78.8393	14.2928	1.26605	8.5	1.2	7.1	1.6	3.2	0.6	3.1	0.3	40.5	2.2	9.9	434.8	20.0	1198.6		
SMDH 00212b	42.2	120.4	253.0	27.6	96.2303	17.5202	1.72643	10.2	1.4	8.1	1.7	3.3	0.6	3.3	0.3	46.2	2.8	14.5	641.6	35.8	1925.9		1.7
SMDH 00212b	28.6	116.7	246.5	27.1	95.0709	16.0217	1.84152	9.4	1.2	5.8	1.1	2.2	0.3	1.8	0.3	45.7	2.4	11.7	492.6	21.5	1204.2	0.7	
SMDH 00212b	20.2	116.4	239.2	27.5	92.7521	15.9065	2.07171	8.5	1.1	5.0	0.7	1.3	0.3	0.9	0.3	44.3	1.8	10.4	440.9	22.9	905.2		
SMDH 00213	47.1	173.3	340.1	41.1	137.969	24.6665	2.30191	13.6	1.8	9.5	1.6	3.3	0.6	3.5	0.3	63.0	4.0	17.5	741.2	31.5	648.7		1.5
SMDH 00213	41.3	96.3	190.2	22.5	75.3611	14.6386	1.61133	8.5	1.2	7.3	1.4	3.0	0.6	3.6	0.3	41.1	2.7	11.0	458.9	24.3	1215.4		
SMDH 00213	37.6	76.2	160.2	18.5	62.6077	12.3333	1.61133	7.0	1.1	6.3	1.3	2.9	0.6	3.5	0.3	35.2	2.7	9.3	386.5	42.9	688.2	0.8	
SMDH 00213	32.7	84.2	177.9	20.5	69.5641	13.6012	1.49624	7.4	1.1	6.2	1.1	2.4	0.3	2.8	0.3	39.4	2.7	8.6	346.6	27.2	603.6		1.5
SMDH 00213	26.4	70.6	154.8	17.3	56.8107	11.4112	1.49624	6.4	0.8	4.9	0.9	1.9	0.3	2.2	0.3	34.0	2.5	9.0	363.8	22.9	555.9		
SMDH 00213	27.0	87.9	184.8	21.1	70.7235	13.7164	1.49624	7.7	0.9	5.4	0.9	1.9	0.3	2.2	0.3	37.7	2.5	9.6	392.5	21.5	599.2		
SMDH 00213	34.2	109.2	229.5	26.1	86.9551	16.5981	1.61133	9.2	1.3	7.2	1.1	2.4	0.3	2.5	0.3	47.1	4.0	12.1	550.9	24.3	896.8	0.5	1.5
SMDH 00213	41.4	93.5	209.4	23.8	83.4769	15.7912	2.417	9.4	1.3	10.1	1.9	3.5	0.6	3.0	0.3	42.2	3.2	12.4	373.9	21.5	768.5		
SMDH 00213	28.5	96.8	212.5	24.4	86.9551	15.3301	2.5321	9.4	1.1	7.7	1.4	2.5	0.3	2.0	0.3	43.7	2.5	13.1	387.1	25.7	746.8		
SMDH 00213	26.4	94.2	206.5	23.8	84.6363	15.2149	2.417	8.9	1.2	7.8	1.3	2.2	0.3	1.7	0.3	44.7	2.9	14.9	438.5	24.3	772.9		1.6
SMDH 00213b	51.3	111.7	263.9	28.1	100.636	17.0591	1.61133	11.3	1.5	8.8	1.9	3.9	0.8	4.4	0.7	51.7	4.7	14.1	572.6	28.3	630.9		
SMDH 00213b	51.1	123.0	258.9	30.7	107.824	18.5575	2.76229	11.6	1.6	12.9	2.4	4.2	0.7	3.3	0.3	48.2	5.1	17.2	507.5	41.5	805.4		
SMDH 00213b	59.6	135.2	273.4	31.8	110.143	18.7881	2.64719	11.8	1.6	13.7	2.7	5.2	0.8	4.2	0.6	46.4	4.7	15.7	454.9	62.9	653.6		1.5
SMDH 00213b	64.1	104.6	221.4	25.5	82.3175	16.7133	1.49624	11.7	1.5	9.7	2.1	5.2	0.7	5.5	0.7	42.1	4.0	11.2	445.5	28.6	985.3		
SMDH 00213b	56.4	113.0	227.8	26.8	89.2739	13.947	1.95662	11.2	1.5	9.2	1.6	4.0	0.7	2.8	0.3	52.4	4.4	14.7	500.5	30.0	1015.2	0.8	
SMDH 00213b	77.9	192.2	406.8	50.7	157.679	28.4703	3.56795	16.5	2.8	11.9	1.8	6.2	1.1	4.9	0.9	49.4	4.4	11.4	420.5	32.9	1028.3		1.6
SMDH 00213b	58.3	96.4	196.1	22.7	74.2017	13.7164	1.49624	8.9	1.2	7.9	1.5	3.4	0.6	3.9	0.6	51.7	6.0	16.4	504.7	24.3	995.3		
SMDH 00213b	45.9	110.4	237.8	26.2	86.9551	14.8691	1.95662	10.4	1.5	7.6	1.3	3.1	0.3	2.6	0.3	54.2	4.5	16.6	653.0	24.3	1414.4		
SMDH 00213b	51.5	430.3	310.9	82.7	263.184	33.6572	4.25852	16.3	2.1	10.0	1.9	4.6	0.6	3.5	0.3	44.5	3.8	14.7	542.8	88.7	1148.3	0.8	1.6
SMDH 00213b	48.9	119.1	241.6	28.9	96.2303	17.4049	1.84152	12.6	1.5	8.7	1.6	4.5	0.7	4.9	0.3	36.0	3.4	12.4	350.3	24.3	798.9		
SMDH 00213b	40.7	92.1	208.5	23.5	85.9117	14.408	1.84152	8.6	1.2	6.6	1.6	2.9	0.3	3.1	0.6	38.3	3.1	9.1	540.0	24.0	527.4		
SMDH 00213b	36.2	79.4	166.3	19.2	56.8107	12.1027	1.72643	9.7	1.1	5.7	1.4	3.5	0.6	3.4	0.3	35.0	2.2	16.5	548.4	15.7	840.9	0.5	
SMDH 00213b	51.2	115.2	234.5	28.0	89.2739	17.2896	1.95662	11.6	1.4	8.7	1.6	3.8	0.7	4.4	0.7	49.6	3.3	14.5	377.4	22.9	1351.8		
SMDH 00214	51.1	135.1	281.4	32.4	104.346	21.7849	1.61133	14.0	1.4	8.8	1.5	4.9	0.6	4.0	0.8	45.7	3.9	13.9	400.6	24.3	784.2		1.4
SMDH 00214	35.7	98.4	245.0	26.1	83.4769	15.0996	1.15095	10.4	1.1	5.8	1.4	3.1	0.3	3.4	0.3	45.2	2.9	14.3	402.0	20.0	1034.3		
SMDH 00214	42.1	108.8	219.3	25.8	84.6363	16.4828	1.72643	10.4	1.3	6.9	1.5	3.7	0.3	4.8	0.3	44.6	3.7	12.0	337.7	18.6	872.5	0.4	
SMDH 00214	46.6	104.9	208.4	24.1	73.0423	15.7912	1.49624	8.8	1.3	6.8	1.5	5.4	0.7	4.7	0.6	37.1	2.8	12.3	342.2	20.0	899.8		1.5
SMDH 00214	52.3	92.7	187.8	21.9	74.2017	13.2554	1.49624	10.3	1.2	8.0	1.8	4.9	0.8	5.5	0.7	45.0	3.3	12.4	360.3	20.0	941.8		
SMDH 00214	44.6	97.4	213.8	25.3	74.2017	13.2554	1.38114	10.2	1.1	6.6	1.3	3.5	0.6	4.3	0.3	50.6	2.9	15.8	458.1	20.0	1011.0		
SMDH 00214	49.2	88.9	184.5	21.5	69.5641	14.0622	1.26605	8.7	0.8	7.0	1.7	5.6	0.3	5.8	0.7	45.3	3.2	12.1	365.4	18.6	876.9	0.4	1.5
SMDH 00214	51.5	90.4	191.0	22.5	74.2017	13.947	1.38114	9.9	1.2	7.2	1.6	4.7	0.6	4.8	0.7	40.0	3.9	12.9	380.4	24.3	856.3		
SMDH 00214b	53.7	91.1	194.7	20.4	74.2017	13.4859	1.38114	9.5	0.9	5.5	1.4	3.4	0.7	4.0	0.3	31.9	6.5	15.7	470.8	15.7	654.1		
SMDH 00214b	52.1	166.9	352.6	39.4	134.491	19.9407	1.84152	15.0	1.4	8.0	1.6	4.1	0.7	4.1	0.3	67.1	6.3	18.5	552.2	22.9	963.6		1.5
SMDH 00214b	48.4	172.5	371.4	42.9	146.085	27.2024	1.72643	18.0	1.8	9.0	1.7	4.7	0.3	3.3	0.6	86.8	5.9	14.5	435.6	17.2	911.9	1.3	
SMDH 00214b	58.6	113.1	238.8	26.7	89.2739	16.137	1.38114	11.8	1.6	10.4	2.1	6.3	0.9	5.9	1.0	32.8	4.2	11.1	305.3	27.2	633.5		
SMDH 00214b	59.2	94.6	202.1	23.7	74.2017	12.6791	1.26605	11.5	1.3	8.6	2.1	5.7	0.9	5.5	0.8	45.5	3.7	13.2	381.6	24.3	1118.4		1.5
SMDH 00214b	63.7	110.3	232.2	26.5	85.7957	17.866	2.30191	11.5	15.4	10.2	2.2	7.1	1.1	7.3	0.8	42.9	3.5	13.8	390.9	31.5	1267.2		
SMDH 00214b	72.6	84.2	181.7	20.8	70.7235	15.6759	1.38114	9.2	15.1	11.3	2.4	7.8	1.3	6.7	1.1	37.8	3.3	10.7	317.8	25.7	1176.8	0.8	
SMDH 00214b	48.5	82.5	172.5	20.4	62.6077	13.7164	0.69057	8.7	9.6	7.3	1.9	5.5	0.9	5.7	0.8	35.7	2.6	12.3	379.8	21.5	1068.7		1.5
SMDH 00215	17.7	94.8	189.3	20.9	66.0859	10.3738	1.84152	7.0	5.2	3.1	0.8	1.9	0.3	1.6	0.3	33.7	1.7	12.3	334.3	27.2	785.6		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00215	19.4	146.4	293.7	35.2	117.1	19.3644	1.61133	10.7	10.0	4.2	0.7	1.8	0.3	1.1	0.3	20.0	2.0	10.4	311.8	17.2	765.0		
SMDH 00215	10.1	44.7	76.1	6.8	20.8692	5.30216	0.92076	3.2	2.6	1.6	0.3	0.9	0.3	0.8	0.3	12.0	1.3	5.9	141.7	8.6	531.4	0.9	1.7
SMDH 00215	20.2	71.4	145.0	16.7	53.3325	10.7196	1.38114	6.2	6.7	3.0	0.7	2.1	0.3	1.9	0.3	35.2	1.5	9.1	244.4	12.9	925.5		
SMDH 00215	33.8	101.5	199.3	23.1	76.5205	14.9844	0.92076	7.9	0.7	4.8	1.0	3.2	0.3	2.3	0.3	44.9	2.5	8.4	342.7	11.4	1036.9		
SMDH 00215	34.3	78.9	159.1	19.1	63.7671	11.8722	1.26605	6.1	0.7	4.6	0.8	2.3	0.3	2.4	0.3	32.8	2.8	6.0	246.7	10.0	872.9		1.6
SMDH 00215	51.8	99.9	205.1	24.7	78.8393	13.4859	0.80567	10.7	0.8	6.4	1.4	3.9	0.8	4.2	0.9	41.9	3.4	8.5	322.0	17.2	1121.9	0.5	
SMDH 00215	31.6	65.5	125.2	14.1	44.0573	10.9501	1.26605	5.4	0.6	3.0	0.6	1.9	0.3	1.7	0.3	25.0	3.3	6.8	310.8	21.5	1039.7		
SMDH 00215b	50.4	119.7	248.1	28.1	99.7085	18.7881	1.15095	11.9	1.6	6.5	1.3	3.0	0.3	2.4	0.3	46.9	5.3	9.8	433.7	17.2	609.2		1.5
SMDH 00215b	39.5	100.7	197.7	23.3	75.3611	15.2149	1.49624	10.0	0.9	4.8	0.9	2.4	0.3	1.8	0.3	39.3	4.2	9.0	391.5	32.9	749.8		
SMDH 00215b	23.3	83.5	155.6	18.1	55.6513	10.3738	1.49624	6.9	0.6	2.9	0.3	0.7	0.3	0.6	0.3	29.0	3.4	8.4	340.8	18.6	676.7	2.1	
SMDH 00215b	4.4	14.6	35.5	2.6	6.95641	1.6137	0.28774	1.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	32.4	0.3	9.3	341.3	18.6	468.3		1.6
SMDH 00215b	13.2	240.3	454.8	43.6	172.751	23.7444	2.07171	8.9	0.8	3.4	0.3	0.9	0.3	0.6	0.3	32.8	2.9	9.8	210.9	54.4	566.5		
SMDH 00215b	23.2	150.8	159.4	25.2	107.824	20.4018	0.92076	6.5	0.7	3.9	0.3	2.2	0.3	2.4	0.3	18.1	3.5	13.9	316.4	42.9	129.6		
SMDH 00215b	14.8	58.0	112.6	20.4	74.2017	19.1339	0.92076	6.4	0.7	2.9	0.3	0.9	0.3	0.9	0.3	29.4	3.5	19.5	383.1	22.9	654.3	0.5	1.5
SMDH 00215b	23.2	82.4	150.3	28.6	98.5491	24.5513	0.92076	7.8	1.1	4.1	0.3	1.6	0.3	2.0	0.3	29.6	4.6	14.2	296.0	28.6	612.5		
SMDH 00216	21.4	63.7	116.3	24.5	78.8393	19.5949	1.03586	7.6	0.8	4.2	0.3	1.6	0.3	2.0	0.3	33.7	5.0	20.3	421.9	14.3	317.7		
SMDH 00216	28.5	121.1	211.0	43.2	158.838	37.4609	1.15095	11.6	1.5	6.6	0.3	2.2	0.3	2.2	0.3	59.1	5.9	16.7	410.1	14.3	303.2		1.7
SMDH 00216	38.8	165.9	316.4	61.0	215.649	54.52	1.49624	16.5	2.0	9.0	0.3	2.9	0.3	2.4	0.3	66.7	6.6	12.3	260.4	10.0	246.7	0.6	
SMDH 00216	31.9	96.8	178.7	31.6	90.4333	27.7787	1.03586	9.9	1.3	5.6	0.3	2.3	0.3	2.3	0.3	48.2	4.4	16.2	243.8	21.5	765.2		
SMDH 00216	19.6	61.8	134.8	15.0	52.289	9.45167	1.03586	6.4	0.8	4.1	0.7	1.5	0.3	1.3	0.3	23.5	2.9	20.4	400.1	23.0	391.3		
SMDH 00216	23.4	69.5	146.7	16.7	56.8107	10.6043	1.49624	7.0	0.8	4.9	0.8	2.2	0.3	2.4	0.3	24.6	2.4	9.9	387.0	18.6	642.1	0.4	
SMDH 00216	14.4	57.8	118.8	13.6	47.5355	8.76008	1.49624	5.2	0.6	3.0	0.6	1.4	0.3	1.1	0.3	21.7	1.9	12.0	464.5	15.7	755.2		1.6
SMDH 00216	18.1	64.5	135.8	15.5	51.0137	9.45167	1.49624	5.3	0.8	3.7	0.3	1.5	0.3	1.9	0.3	17.3	2.2	10.3	431.2	21.5	512.5		
SMDH 00216	15.3	65.7	134.5	15.6	52.1731	10.1433	1.49624	6.0	0.7	3.4	0.6	1.1	0.3	1.5	0.3	21.0	2.2	8.5	386.3	20.0	767.8		
SMDH 00216	14.4	62.5	132.4	15.5	54.4919	10.3738	1.26605	5.7	0.7	3.2	0.3	1.3	0.3	1.0	0.3	29.5	2.2	13.2	577.1	24.3	884.8	0.3	1.6
SMDH 00216	17.7	74.5	139.2	16.1	54.4919	10.1433	1.49624	6.6	0.8	4.0	0.6	1.5	0.3	1.6	0.3	22.4	2.4	15.8	721.2	30.0	1060.5		
SMDH 00216	19.5	70.8	142.7	15.9	55.6513	10.028	1.26605	6.2	0.7	4.0	0.8	1.5	0.3	1.7	0.3	26.6	2.2	13.6	702.0	21.5	925.0		
SMDH 00216	13.1	48.8	99.7	14.4	63.7671	13.1401	1.15095	4.9	0.3	2.4	0.3	0.9	0.3	1.3	0.3	28.2	2.1	17.7	239.4	20.0	1242.5		1.6
SMDH 00216	20.9	82.2	155.6	27.3	114.781	22.7071	1.61133	8.0	0.9	4.4	0.7	1.6	0.3	1.4	0.3	48.2	3.4	18.0	263.0	22.9	1053.3	0.2	
SMDH 00216b	19.8	68.2	153.3	16.2	59.7092	10.9501	1.38114	6.3	0.8	3.8	0.7	1.5	0.3	1.7	0.3	27.1	2.9	14.3	295.8	16.9	441.0		1.6
SMDH 00216b	13.3	19.8	32.6	7.2	31.3038	6.91585	0.80567	2.7	0.3	2.2	0.3	1.0	0.3	1.3	0.3	8.3	3.2	7.9	111.4	18.6	729.5		1.4
SMDH 00216b	11.9	5.6	9.7	2.6	10.4346	3.68846	0.57548	1.3	0.3	1.4	0.3	0.9	0.3	1.1	0.3	2.3	4.4	7.9	98.5	7.2	634.9		
SMDH 00216b	10.0	36.0	66.0	12.2	52.1731	9.56693	1.38114	3.6	0.3	1.7	0.3	0.8	0.3	0.9	0.3	19.5	2.6	53.5	1025.9	11.4	922.9	0.5	
SMDH 00216b	10.4	32.8	62.8	11.4	45.2167	8.99061	0.80567	3.2	0.3	1.9	0.3	0.8	0.3	0.7	0.3	24.4	2.5	50.6	894.4	11.4	737.9		1.8
SMDH 00216b	10.3	39.0	75.8	12.2	51.0137	9.22114	0.92076	3.1	0.3	1.7	0.3	0.8	0.3	0.8	0.3	29.5	2.1	45.6	805.8	8.6	758.9		
SMDH 00216b	31.4	68.6	142.9	17.5	59.7092	10.028	1.38114	6.5	0.9	4.7	1.0	2.6	0.3	1.6	0.3	27.0	4.4	12.3	58.2	18.5	524.4		1.6
SMDH 00216b	22.9	45.6	86.4	11.0	45.2167	8.0685	1.15095	5.3	0.7	4.5	0.8	1.8	0.3	2.4	0.3	21.0	2.6	31.0	710.1	14.3	1146.7	0.7	1.6
SMDH 00216b	29.1	62.3	122.6	13.7	45.2167	8.0685	1.15095	7.1	0.8	5.0	0.9	2.3	0.3	2.5	0.3	25.0	2.6	41.2	1169.5	18.6	839.5		
SMDH 00216b	22.3	64.8	119.4	14.3	51.0137	8.87535	1.61133	6.6	0.8	4.2	0.8	1.7	0.3	2.3	0.3	26.2	2.7	44.5	1122.8	18.6	1299.5		
SMDH 00216b	29.5	45.4	89.8	11.3	39.4197	8.0685	1.26605	6.6	0.8	5.0	1.0	2.6	0.3	3.3	0.3	18.4	2.0	33.1	772.9	20.0	1190.4		1.5
SMDH 00216b	27.5	53.4	108.5	13.5	45.2167	8.29903	1.61133	6.8	0.9	5.3	0.9	2.9	0.3	1.9	0.3	18.5	1.5	6.7	792.8	21.5	810.1	0.8	
SMDH 00216b	41.1	61.9	124.2	14.5	51.0137	10.1433	1.72643	8.9	1.2	7.8	1.4	4.3	0.6	3.5	0.7	20.8	2.2	7.9	637.0	25.7	1151.4		
SMDH 00216b	29.7	63.8	131.1	15.1	49.8543	10.2585	1.38114	6.5	0.9	4.7	1.0	3.2	0.3	2.6	0.3	24.0	2.7	12.9	715.7	20.0	869.7		1.5
SMDH 00216b	15.8	71.5	145.2	17.5	55.6513	11.5264	1.38114	7.3	0.9	4.0	0.3	1.6	0.3	1.0	0.3	27.1	2.5	6.5	399.0	22.9	985.7		
SMDH 00217	18.1	61.8	134.7	14.7	53.6803	9.22114	1.72643	5.5	0.7	3.6	0.7	1.5	0.3	1.4	0.3	20.4	2.4	22.5	415.1	22.6	616.7		
SMDH 00217	16.5	202.3	373.3	38.7	115.94	16.4828	2.76229	9.9	0.9	3.7	0.6	1.7	0.3	1.0	0.3	31.2	2.2	9.9	490.3	48.6	1146.5		1.4
SMDH 00217	31.4	80.3	179.7	19.5	64.1149	12.4485	1.61133	7.8	1.1	5.6	1.1	2.1	0.3	2.3	0.3	32.0	4.4	3.1	398.8	28.8	653.6		
SMDH 00217	32.3	66.8	134.3	15.3	49.8543	9.45167	1.15095	6.2	0.9	5.2	1.0	3.5	0.3	2.4	0.3	24.2	2.8	9.6	452.9	18.6	556.9		
SMDH 00217	18.5	74.3	153.5	17.2	55.6513	10.3738	1.38114	7.1	0.8	4.0	0.7	1.7	0.3	1.3	0.3	27.6	2.8	9.2	459.5	21.5	836.7	0.7	1.5
SMDH 00217	15.3	84.4	176.9	21.0	64.9265	11.757	1.38114	7.4	0.9	3.7	0.6	1.5	0.3	0.8	0.3	33.2	3.1	6.6	322.2	21.5	926.2		
SMDH 00217	13.6	60.5	120.0	13.0	47.5355	8.87535	1.49624	4.9	0.6	3.2	0.3	1.4	0.3	1.0	0.3	19.8	1.9	8.6	427.5	24.3	885.1		
SMDH 00217	22.2	56.6	111.1	12.5	42.8979	7.14638	1.26605	5.2	0.7	4.2	0.7	2.1	0.3	1.7	0.3	20.3	2.0	6.8	392.5	20.0	699.1		1.5
SMDH 00217	17.1	44.8	93.1	10.3	33.6226	6.4548	1.26605	4.2	0.6	3.2	0.3	1.6	0.3	1.3	0.3	16.9	2.0	7.7	391.3	17.2	554.3	0.4	
SMDH 00217b	21.9	97.8	204.4	22.6	76.5205	12.6791	2.18681	8.0	0.9	4.6	0.8	2.2	0.3	1.7	0.3	37.7	2.9	8.6	413.6	11.4	755.4		
SMDH 00217b	12.9	164.3	322.4	33.0	76.5205	14.1775	2.87738	7.3	0.9	3.1	0.3	1.3	0.3	0.8	0.3	27.4	1.4	5.4	263.9	21.5	528.6		1.6
SMDH 00217b	16.2	58.8	122.2	13.6	46.3761	9.3364	1.95662	5.8	0.7	3.4	0.3	1.5	0.3	1.1	0.3	21.7	1.1	2.0	134.5	7.2	228.5		
SMDH 00217b	12.5	39.8	90.1	10.0	34.3183	6.33953	1.61133	3.9	0.6	2.4	0.3	0.7	0.3	0.3	0.3	23.3	3.3	3.4	160.6	9.4	182.9		
SMDH 00217b	14.7	35.5	69.1	8.0	25.5068	5.87848	2.30191	3.3	0.3	2.5	0.3	1.4	0.3	1.1	0.3	38.5	1.4	3.5	170.1	10.0	489.4		1.2
SMDH 00217b	14.6	88.0	181.3	20.3	68.4047	12.6791	2.5321	7.8	0.8	4.0	0.3	1.1	0.3	0.3	0.3	33.5	1.5	2.5	138.3	7.2	330.8		
SMDH 00217b	28.0	112.6	247.7	28.8	98.5491	19.3644	2.417	12.5	1.4	7.0	1.0	2.4	0.3	1.1	0.3	53.4	5.8	1.7	100.2	22.9	891.8	0.9	1.7
SMDH 00217b	28.6	61.6	131.9	15.0	49.8543	11.2959	1.95662	7.8	1.1	5.7	1.0	2.6	0.3	2.2	0.3	22.8	1.5	1.1	83.9	28.6	1520.7		
SMDH 00218	38.1	105.9	220.8	24.6	83.4769	14.2928	1.49624	9.9	1.3	6.8	1.3	4.0	0.6	3.4	0.6	43.6	3.8	9.3	422.4	15.7	609.7		
SMDH 00218	126.4	91.6	190.2	22.9	82.3175	18.5575	2.07171	15.8	2.7	18.9	4.1	13.4	1.8	12.0	1.6	29.8	3.9	3.9	372.4	21.5	988.1		1.4
SMDH 00218	98.3	81.5	167.8	19.9	70.7235	15.0996	1.26605	12.1	2.0	14.5	3.2	10.6	1.4	10.1	1.5	29.0	4.7	7.7	358.2	24.3	1026.6	1.6	
SMDH 00218	68.1	219.1	399.5	41.0	131.012	21.2086	2.5321	13.3	1.8	11.3	2.2	6.8	1.0	6.8	1.0	45.9	6.8	6.8	351.5	52.9	1032.0		
SMDH 00218	46.5	91.6	184.5	20.5	69.5641	13.2554	1.26605	10.0	1.2	7.6	1.5	4.8	0.6	3.9	0.3	33.0	3.8	5.4	279.2	18.6	727.2		1.4
SMDH 00218	33.0	63.9	138.1	15.1	52.1731	10.1433	0.92076	6.9	0.8	5.8	1.0	3.2	0.3	2.7	0.3	24.0	1.9	3.5	205.2	14.3	501.5		
SMDH 00218	41.9	95.5	205.9	22.3	75.477	13.6012	1.38114	9.4	1.3	7.0	1.5	3.2	0.6	4.3	0.6	39.2	5.1	4.7	378.0	23.7	755.2		
SMDH 00218	18.1	124.7	270.4	27.6	92.7521	17.4049	2.30191	10.1	1.2	5.0	0.3	1.3	0.3	0.7	0.3	53.4	2.5	2.8	140.5	10.0	386.8		1.6
SMDH 00218	20.0	113.2	238.8	26.5	89.2739	15.5607	1.95662	10.0	1.1	4.8	0.7	1.5	0.3	0.7	0.3	46.3	2.4	4.1	205.6	15.7	485.9		
SMDH 00218	43.2	103.5	224.8	24.1	82.3175	15.5607	1.38114	10.7	1.4	7.6	1.3	3.9	0.3	3.5	0.3	42.7	3.3	6.8	337.2	21.5	822.2		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00218	35.4	30.3	70.1	7.9	28.985	6.57006	1.49624	5.4	0.8	6.0	1.1	3.5	0.3	3.0	0.6	9.4	1.8	3.7	177.6	12.9	1407.8	1.9	1.6
SMDH 00218	44.2	95.5	206.1	22.5	73.0423	13.8317	1.03586	9.3	1.3	7.4	1.3	4.3	0.7	4.5	0.6	36.1	3.2	8.3	375.4	17.2	708.9		
SMDH 00218	31.3	62.9	138.0	15.1	52.1731	8.76008	1.49624	6.2	0.9	5.3	1.0	3.3	0.3	2.5	0.3	24.4	1.8	4.7	238.4	14.3	575.3		
SMDH 00218	58.6	122.2	237.9	24.7	85.7957	14.0622	1.61133	9.2	1.4	10.0	1.9	5.5	0.8	5.9	0.9	31.9	3.5	7.1	360.0	42.9	986.0		1.5
SMDH 00218	38.5	50.7	102.7	11.8	44.0573	8.18376	1.15095	6.5	0.9	6.1	1.3	3.4	0.3	3.5	0.3	16.6	2.6	4.5	240.8	25.7	810.1	1.3	
SMDH 00218	49.9	115.1	232.4	26.4	95.0709	15.7912	1.61133	11.5	1.5	8.9	1.7	4.9	0.8	4.9	0.6	41.6	3.4	0.3	361.6	24.3	763.8		
SMDH 00218	76.7	104.1	215.3	25.2	88.1145	15.2149	1.38114	11.3	1.8	11.7	2.7	7.9	1.3	8.3	1.5	38.5	3.2	7.3	367.6	24.3	760.6		1.5
SMDH 00218	61.8	93.4	190.8	20.5	73.0423	13.1401	1.03586	8.6	1.4	9.3	1.9	5.8	0.9	5.9	1.0	31.8	4.5	7.9	388.5	28.6	888.8		
SMDH 00218b	12.8	34.1	70.9	8.4	27.5938	5.64795	1.61133	3.4	0.3	2.2	0.3	0.9	0.3	0.8	0.3	14.2	4.8	6.3	246.3	11.9	362.3		1.7
SMDH 00218b	6.1	17.7	30.7	4.0	15.0722	2.07476	1.38114	1.5	0.3	1.3	0.3	0.6	0.3	0.8	0.3	5.1	0.8	4.1	224.9	11.4	375.4		1.7
SMDH 00218b	6.0	11.0	17.8	1.9	6.95641	1.49844	1.26605	0.9	0.3	0.9	0.3	0.3	0.3	0.6	0.3	2.4	0.6	2.8	159.4	8.6	285.9		
SMDH 00218b	8.5	19.3	33.2	4.0	11.594	2.53581	1.72643	1.6	0.3	1.4	0.3	0.7	0.3	0.8	0.3	3.5	0.7	2.0	126.0	14.3	330.8		
SMDH 00218b	8.7	21.9	39.5	4.9	17.391	3.57319	1.84152	2.2	0.3	1.6	0.3	0.8	0.3	0.7	0.3	4.0	0.9	3.9	222.2	27.2	602.7	1.2	1.7
SMDH 00218b	5.3	15.7	32.1	3.5	12.7534	2.53581	1.49624	1.7	0.3	1.1	0.3	0.3	0.3	0.3	0.3	5.7	0.3	4.4	222.9	8.6	228.5		
SMDH 00218b	9.6	16.9	29.8	3.5	11.594	2.30528	1.38114	1.5	0.3	1.7	0.3	0.9	0.3	1.0	0.3	3.7	0.7	5.2	298.4	15.7	305.8		
SMDH 00218b	11.5	21.4	42.2	4.3	15.0722	2.88161	1.49624	1.9	0.3	1.6	0.3	1.1	0.3	1.1	0.3	6.9	1.2	14.2	740.9	24.3	703.3		1.6
SMDH 00218b	10.5	133.4	249.9	24.4	74.2017	9.45167	2.64719	5.7	0.3	2.3	0.3	0.9	0.3	0.8	0.3	12.8	1.2	8.8	479.3	47.2	626.0	1.0	
SMDH 00219	16.7	64.6	143.1	14.5	52.289	10.028	2.07171	5.8	0.7	3.0	0.7	1.0	0.3	0.3	0.3	28.2	4.6	5.1	341.8	13.6	426.1		
SMDH 00219	13.1	99.1	193.6	19.7	67.2453	10.028	2.99248	6.3	0.7	3.0	0.3	1.1	0.3	0.7	0.3	20.9	0.9	3.7	194.1	20.0	336.4		1.6
SMDH 00219	10.0	54.8	114.0	12.6	41.7385	7.7227	2.07171	4.7	0.3	2.5	0.3	0.9	0.3	0.6	0.3	20.4	0.9	2.1	131.8	14.3	244.6		
SMDH 00219	14.3	214.4	396.9	38.6	119.418	17.2896	3.45286	9.6	1.1	4.0	0.3	1.5	0.3	0.6	0.3	26.8	1.2	2.6	155.1	51.5	291.3	0.9	
SMDH 00219	11.2	72.1	122.8	15.4	49.8543	8.41429	1.84152	4.9	0.3	2.5	0.3	0.9	0.3	0.7	0.3	22.1	1.1	2.2	141.3	18.6	241.5		1.5
SMDH 00219	18.8	206.0	350.3	39.5	119.418	20.7476	3.10757	10.3	1.2	4.5	0.7	1.6	0.3	1.0	0.3	40.7	1.7	2.0	126.7	40.1	270.5		
SMDH 00219	14.2	54.5	99.9	12.7	39.4197	7.03112	1.49624	5.6	0.3	2.5	0.3	1.3	0.3	1.3	0.3	19.3	2.4	2.1	106.0	12.9	185.7		
SMDH 00219	21.8	56.8	101.1	13.1	40.5791	7.7227	1.84152	5.8	0.8	4.4	0.8	2.1	0.3	2.3	0.3	20.3	1.3	2.4	124.4	8.6	176.8	0.9	1.6
SMDH 00219b	22.4	63.9	129.1	14.4	52.1731	8.87535	0.92076	6.2	0.6	3.6	0.7	2.2	0.3	1.7	0.3	27.7	2.4	6.4	345.8	11.4	295.7		
SMDH 00219b	20.8	83.9	150.1	17.9	59.1295	11.6417	1.26605	6.6	0.8	3.9	0.7	1.8	0.3	1.6	0.3	28.0	2.1	6.5	348.1	12.9	376.8		
SMDH 00219b	11.8	85.4	154.1	18.9	56.8107	9.91272	1.72643	7.1	0.7	2.5	0.3	0.8	0.3	0.9	0.3	32.0	2.0	9.3	481.2	28.6	636.5		1.5
SMDH 00219b	14.3	72.9	142.2	16.2	54.4919	10.7196	1.38114	6.0	0.7	3.1	0.3	1.5	0.3	1.0	0.3	27.3	1.5	10.0	425.2	22.9	661.3		
SMDH 00219b	21.7	281.7	507.2	53.3	166.954	24.8971	3.22267	13.2	1.1	5.5	0.7	2.4	0.3	1.5	0.3	59.7	2.2	14.2	569.2	65.8	1295.5		1.5
SMDH 00219b	31.7	184.5	337.5	38.0	122.897	18.6728	3.10757	10.8	1.3	6.1	1.1	3.4	0.3	3.0	0.7	42.2	3.4	21.7	946.4	52.9	1790.9		
SMDH 00219b	93.8	130.1	246.5	27.1	91.5927	14.9844	2.417	10.2	1.5	11.1	3.2	12.7	1.9	14.1	2.6	34.6	3.2	24.1	1015.8	45.8	1501.3	0.8	
SMDH 00219b	214.4	113.3	219.6	25.0	86.9551	15.0996	2.30191	14.1	2.6	23.4	7.0	32.1	4.7	35.5	6.6	26.5	3.4	30.5	1243.8	44.3	1590.5		1.6
SMDH 00219b	87.6	161.7	295.8	33.6	110.143	15.9065	2.87738	11.7	1.5	11.8	2.9	14.3	1.9	15.3	3.0	34.3	1.1	23.6	1045.5	44.3	1827.4		
SMDH 00220	48.3	73.2	144.5	17.3	57.9701	11.1806	1.95662	8.7	1.3	7.3	1.8	6.3	0.9	5.9	1.1	22.0	1.5	11.2	493.4	25.7	2811.3		
SMDH 00220	37.5	14.8	38.3	5.0	20.9852	5.76321	2.76229	5.2	0.9	6.2	1.4	3.0	0.3	3.0	0.3	2.8	2.5	1.6	331.5	13.6	1531.2		
SMDH 00220	36.9	13.3	33.3	4.4	18.7823	5.53268	1.72643	5.0	0.8	5.8	1.4	2.9	0.3	2.8	0.3	2.5	2.7	2.5	402.3	11.7	1493.8		
SMDH 00220b	40.0	119.9	238.6	26.4	86.9551	14.5233	1.49624	9.3	1.3	6.6	1.5	4.8	0.6	4.4	0.6	46.1	2.7	15.1	689.9	18.6	1585.1		
SMDH 00220b	23.2	80.2	156.6	17.9	59.1295	10.028	1.15095	6.3	0.7	4.2	0.9	2.5	0.3	2.6	0.3	30.5	2.1	10.8	506.4	21.5	1067.7		1.3
SMDH 00220b	36.5	97.2	192.8	22.8	78.8393	14.1775	1.49624	8.5	1.2	6.5	1.1	4.3	0.3	3.3	0.3	39.1	3.7	11.6	517.4	25.7	1034.6	1.7	
SMDH 00220b	26.4	99.3	205.1	22.8	73.0423	13.3707	1.61133	8.8	1.2	5.3	0.9	2.5	0.3	1.8	0.3	39.3	3.4	12.5	520.7	24.3	1008.4		
SMDH 00220b	52.2	91.8	190.2	21.3	71.8829	13.8317	1.61133	9.7	1.3	7.8	1.8	6.3	0.8	5.7	0.6	36.1	3.4	10.4	472.4	24.3	1116.1		1.3
SMDH 00220b	47.8	108.0	221.9	25.6	85.7957	16.0217	1.95662	10.2	1.6	8.6	1.8	5.4	0.6	4.7	0.3	45.7	4.1	15.6	686.3	30.0	993.7		
SMDH 00220b	37.4	88.6	180.9	20.3	73.0423	11.0654	1.38114	8.4	0.8	6.0	1.3	4.5	0.6	4.4	0.6	34.5	2.1	10.8	522.6	24.3	1110.5	0.8	
SMDH 00220b	35.6	98.6	201.3	22.3	74.2017	14.1775	1.72643	8.9	1.1	6.3	1.0	4.1	0.3	3.6	0.3	39.0	2.2	10.3	490.2	21.5	1017.8		1.6
SMDH 00220b	36.1	106.1	204.8	22.3	75.3611	12.5638	2.07171	8.4	1.2	6.9	1.3	3.9	0.6	4.4	0.6	37.0	2.2	9.1	437.0	65.8	1166.1		
SMDH 00221	30.5	134.6	263.8	29.9	106.665	15.9065	1.61133	11.0	1.2	6.8	1.3	3.2	0.3	3.2	0.3	57.2	3.1	16.7	809.4	15.7	662.9		
SMDH 00221	37.6	143.3	285.4	33.4	124.056	20.2865	2.07171	12.5	1.5	7.6	1.4	4.3	0.6	3.9	0.3	61.2	3.7	21.9	998.2	22.9	1124.7	1.7	1.6
SMDH 00221	24.0	50.7	96.0	10.7	39.4197	7.26165	2.30191	5.8	0.8	5.2	0.8	2.1	0.3	2.6	0.3	10.2	1.1	22.6	1097.5	52.9	2196.9		
SMDH 00221	18.2	81.4	147.3	14.9	52.1731	7.7227	2.87738	5.3	0.7	3.9	0.6	1.5	0.3	1.6	0.3	14.1	0.7	15.2	732.0	60.1	2872.9		
SMDH 00221	21.3	53.6	87.9	10.0	34.782	5.41742	2.5321	4.8	0.8	4.7	0.7	1.8	0.3	1.6	0.3	6.4	0.6	20.5	950.8	58.7	2501.3		1.5
SMDH 00221	32.6	45.6	95.1	10.2	40.5791	8.76008	2.76229	7.8	1.2	7.6	1.0	2.5	0.3	2.2	0.3	2.3	0.7	20.5	1075.8	77.2	2731.1	1.3	
SMDH 00221	50.7	44.7	88.3	10.0	40.5791	8.64482	2.5321	6.6	1.2	8.0	1.6	5.9	0.8	6.0	0.7	6.7	1.3	18.4	902.7	55.8	2257.2		
SMDH 00221	34.6	104.5	204.2	23.3	75.3611	14.9844	2.18681	9.7	1.3	7.0	1.0	3.1	0.3	1.8	0.3	28.4	1.4	15.3	667.8	34.3	1236.2		1.4
SMDH 00221	30.2	87.0	176.3	20.3	69.5641	13.7164	1.84152	8.4	1.2	6.8	1.0	2.7	0.3	2.0	0.3	25.7	1.7	11.7	515.3	27.2	1372.8		
SMDH 00017	19.6	75.8	145.5	16.3	52.1731	9.6822	2.64719	5.6	0.7	3.3	0.3	1.8	0.3	1.4	0.3	19.5	0.9	2.2	129.1	14.3	499.4	0.8	
SMDH 00017	6.3	28.5	52.6	5.9	19.7098	3.34266	1.95662	1.8	0.3	1.1	0.3	0.6	0.3	0.3	0.3	8.1	0.3	2.2	131.3	12.9	562.5		1.5
SMDH 00017	6.0	49.1	94.6	10.1	34.782	6.57006	2.18681	3.0	0.3	1.5	0.3	0.7	0.3	0.3	0.3	18.5	0.3	1.5	84.6	10.0	292.9		
SMDH 00017	8.0	59.8	116.5	13.3	44.0573	7.49218	1.84152	3.9	0.3	1.9	0.3	0.7	0.3	0.3	0.3	22.7	0.9	3.5	158.4	11.4	465.3		
SMDH 00017	22.6	91.2	179.4	20.2	68.4047	11.6417	2.417	6.5	0.7	4.4	0.7	2.3	0.3	2.4	0.3	33.5	1.5	7.5	354.0	15.7	720.6	1.2	1.6
SMDH 00017	12.7	76.6	151.1	17.4	55.6513	9.22114	1.49624	6.0	0.6	3.0	0.3	1.3	0.3	0.7	0.3	30.7	1.3	8.8	376.9	17.2	871.8		
SMDH 00017	42.5	85.7	172.3	19.8	66.0859	11.8722	1.84152	8.0	1.1	7.1	1.4	4.9	0.6	4.1	0.7	34.3	2.1	8.4	346.6	22.9	861.2		
SMDH 00017	40.0	75.7	152.4	18.0	59.1295	12.218	1.84152	8.1	1.1	6.5	1.1	3.9	0.6	3.8	0.6	29.8	2.0	10.1	429.4	42.9	1051.6		1.5
SMDH 00017	28.8	70.3	139.8	17.1	56.8107	10.9501	1.49624	7.8	0.9	6.1	0.9	2.5	0.3	2.7	0.3	27.3	1.9	7.8	374.7	22.9	859.1	0.8	
SMDH 00017	41.7	132.3	251.9	27.9	88.1145	15.4454	2.417	10.7	1.4	7.2	1.4	4.5	0.6	3.8	0.6	30.0	1.9	8.7	385.7	38.6	1179.2		
SMDH 00016b	32.2	66.2	145.1	15.9	53.3325	10.489	1.38114	7.7	0.9	5.8	1.0	3.3	0.3	2.7	0.3	27.0	1.8	7.2	338.2	17.2	848.9		1.7
SMDH 00016b	18.8	64.4	118.7	14.9	48.6949	9.6822	1.72643	6.1	0.7	3.7	0.6	1.5	0.3	1.3	0.3	22.4	1.1	6.1	307.8	14.3	1043.2		
SMDH 00016b	9.1	99.3	197.9	22.0	71.8829	11.8722	1.72643	6.9	0.3	2.4	0.3	0.9	0.3	0.3	0.3	40.9	1.2	5.2	243.5	14.3	746.3	1.2	
SMDH 00016b	8.7	100.5	202.6	22.5	75.3611	12.1027	2.18681	7.2	0.6	2.1	0.3	0.9	0.3	0.3	0.3	40.0	1.4	5.9	282.2	15.7	694.7		
SMDH 00016b	8.4	68.8	133.5	15.7	51.0137	8.18376	2.417	4.5	0.3	1.7	0.3	0.7	0.3	0.6	0.3	25.7	0.7	1.7	103.5	12.9	402.9		
SMDH 00016b	25.0	85.8	175.1	19.8	66.0859	11.8722	1.95662	7.8	1.1	4.4	0.8	2.6	0.3	1.7	0.3	32.4	1.9	8.3	362.6	24.3	890.0	1.0	1.5

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00016b	25.2	115.9	237.6	28.0	93.9115	16.0217	1.72643	10.2	1.1	5.2	0.8	2.7	0.3	2.0	0.3	48.8	2.6	10.5	421.6	20.0	1120.3		
SMDH 00016b	26.7	122.5	249.9	29.2	96.2303	16.9438	1.84152	11.0	1.1	5.5	0.9	3.0	0.3	2.5	0.3	50.8	2.9	14.0	588.4	21.5	910.5		
SMDH 00016b	23.1	107.5	219.0	25.0	86.9551	14.7538	1.38114	9.1	0.9	4.9	0.8	2.5	0.3	1.9	0.3	45.4	2.6	10.5	462.0	21.5	918.9		1.4
SMDH 00016b	36.1	44.0	92.1	11.2	35.9414	6.91585	1.38114	6.2	0.9	6.2	1.1	3.7	0.3	2.7	0.3	12.5	1.2	7.9	358.4	27.2	787.2	0.8	
SMDH 00016b	36.2	53.8	107.9	13.5	48.6949	8.52955	1.72643	7.4	0.9	6.5	1.3	4.1	0.6	3.1	0.3	17.4	1.2	8.4	340.3	28.6	955.9		
SMDH 00016b	25.2	60.1	124.3	15.5	52.1731	10.489	1.72643	6.3	0.8	4.7	0.9	2.7	0.3	1.9	0.3	23.6	1.4	6.6	282.7	17.2	859.1		1.5
SMDH 00016b	22.2	64.8	131.4	15.6	53.3325	9.6822	1.38114	6.2	0.7	4.2	0.7	2.5	0.3	1.9	0.3	26.9	1.5	8.8	341.3	21.5	786.5		
SMDH 00016	15.3	114.1	229.3	22.3	75.3611	11.5264	1.26605	7.1	0.7	3.2	0.3	1.5	0.3	1.3	0.3	30.3	2.1	5.4	231.8	32.9	413.0	0.4	
SMDH 00016	26.1	147.8	281.3	29.1	86.9551	13.8317	2.64719	7.9	0.9	5.3	0.9	2.9	0.3	2.4	0.3	22.9	3.2	8.5	331.8	45.8	560.1		1.6
SMDH 00016	25.5	46.2	77.7	10.3	33.6226	7.26165	1.38114	4.9	0.7	3.7	0.7	2.3	0.3	1.5	0.3	14.0	3.1	10.3	378.1	27.2	788.8		
SMDH 00016	18.5	42.4	85.1	9.8	32.4632	6.91585	0.92076	4.5	0.7	3.2	0.6	1.8	0.3	1.5	0.3	14.6	4.4	8.6	330.4	30.0	551.5		
SMDH 00016	87.6	74.8	150.8	17.2	56.8107	10.1433	1.38114	7.4	1.5	12.1	3.0	7.3	1.5	12.0	1.0	25.1	3.9	16.4	632.7	35.8	1134.5	0.9	1.4
SMDH 00016	83.6	180.5	349.7	37.8	133.331	19.2491	2.99248	11.7	1.8	13.4	2.9	7.5	1.5	12.8	1.2	43.6	1.5	23.7	946.6	47.2	2038.3		
SMDH 00016	98.7	109.2	215.8	24.0	82.3175	12.6791	2.30191	9.4	1.8	14.8	3.4	9.4	1.8	14.9	1.5	26.3	1.4	20.9	859.2	40.1	1560.1		
SMDH 00016	65.1	131.7	251.1	27.1	90.4333	13.8317	2.64719	9.2	1.5	9.5	2.2	5.5	1.0	7.7	0.9	24.4	1.3	24.1	1000.5	67.2	1797.0		1.7
SMDH 00016	101.0	81.4	161.3	16.8	60.2889	9.10587	2.30191	8.1	1.6	14.2	3.4	8.3	1.6	13.3	1.2	17.1	1.4	21.3	877.3	37.2	1395.0	0.6	
SMDH 00015b	44.2	157.3	289.4	31.1	103.187	16.2523	2.5321	9.4	1.3	7.7	1.5	3.7	0.7	5.1	0.3	33.0	2.1	10.6	442.7	47.2	1092.5		
SMDH 00015b	21.0	85.2	201.5	21.1	73.0423	11.757	1.26605	7.1	0.9	4.4	0.7	1.6	0.3	2.6	0.3	47.0	2.0	5.7	238.6	21.5	641.7		1.6
SMDH 00015b	29.9	79.3	163.8	18.1	67.2453	11.6417	1.72643	6.3	0.8	5.0	1.0	2.3	0.3	3.4	0.3	31.2	1.9	7.9	337.3	27.2	671.1		
SMDH 00015b	11.4	63.8	129.0	15.5	49.8543	8.0685	1.61133	5.3	0.3	2.1	0.3	1.1	0.3	1.1	0.3	26.1	1.2	8.5	376.2	24.3	1053.3	1.4	
SMDH 00015b	11.8	73.6	156.4	19.1	61.4483	10.489	2.07171	7.3	0.8	2.9	0.3	1.1	0.3	0.6	0.3	31.7	1.8	6.8	306.9	18.6	1229.4		1.7
SMDH 00015b	32.7	66.4	140.2	17.2	59.1295	11.0654	1.49624	7.3	0.9	5.5	1.0	3.5	0.3	3.1	0.3	30.0	2.5	7.1	300.7	21.5	793.0		
SMDH 00015b	51.3	91.6	192.2	22.8	78.8393	16.4828	1.49624	11.0	1.5	9.2	1.7	5.7	0.7	4.9	0.7	42.0	4.1	11.2	450.9	35.8	857.5		
SMDH 00015b	60.3	83.3	173.3	20.9	70.7235	14.2928	1.61133	9.7	1.4	9.5	2.1	7.1	0.9	5.8	0.8	38.0	3.3	9.1	394.2	31.5	753.3	0.4	1.4
SMDH 00015b	49.7	75.1	157.4	19.0	63.7671	12.5638	1.26605	8.8	1.2	8.5	1.7	6.0	0.8	5.0	0.8	34.1	2.2	9.1	399.7	24.3	513.0		
SMDH 00015b	45.4	83.1	175.2	21.5	75.3611	14.6386	1.49624	9.5	1.3	8.8	1.7	5.5	0.8	4.5	0.6	40.3	2.5	9.8	371.1	22.9	788.1		
SMDH 00015b	34.9	73.2	147.4	17.3	56.8107	10.6043	1.38114	6.9	0.9	6.5	1.3	4.1	0.6	4.2	0.6	26.1	2.1	8.0	335.4	21.5	1048.4		1.6
SMDH 00015b	37.6	101.2	214.4	25.0	84.6363	16.3675	2.18681	9.4	1.3	6.3	1.4	3.9	0.6	3.9	0.3	37.5	2.1	4.8	279.6	24.3	993.5	0.6	
SMDH 00015b	15.2	80.7	171.1	20.5	67.2453	11.5264	1.72643	6.8	0.7	3.1	0.6	1.6	0.3	1.0	0.3	34.5	1.8	9.6	483.0	22.9	802.1		
SMDH 00015b	6.6	66.8	138.0	16.2	54.4919	7.60744	1.72643	4.9	0.3	1.8	0.3	0.8	0.3	0.3	0.3	24.6	0.9	10.4	522.2	21.5	505.3		1.5
SMDH 00015b	6.0	49.3	106.0	11.3	41.7385	5.53268	1.38114	3.4	0.3	1.1	0.3	0.6	0.3	0.3	0.3	20.0	0.9	12.1	614.5	18.6	767.8		
SMDH 00015	26.2	74.7	167.0	19.0	63.3033	11.2959	1.26605	7.4	0.8	4.4	0.9	1.9	0.3	2.0	0.3	32.0	4.0	4.8	594.6	10.7	355.5		
SMDH 00015	46.9	207.9	387.6	42.9	128.694	20.6323	3.22267	12.3	1.4	8.8	1.7	5.2	0.8	5.3	0.9	36.9	3.2	5.5	282.5	50.1	377.7		1.5
SMDH 00015	42.7	117.4	227.1	25.5	79.9987	14.0622	2.417	9.4	1.3	7.0	1.6	5.2	0.8	5.1	0.9	29.6	2.6	5.8	323.0	28.6	399.9		
SMDH 00015	22.7	64.7	134.6	15.7	54.4919	10.9501	2.64719	6.8	0.8	4.6	0.7	2.3	0.3	2.2	0.3	26.7	1.9	4.2	251.7	14.3	100.7		
SMDH 00015	66.3	82.6	174.5	19.8	63.7671	13.4859	1.03586	10.8	1.6	11.1	2.1	5.6	0.8	4.9	0.8	31.5	4.2	8.1	351.5	28.6	1076.8	1.3	1.5
SMDH 00015	30.3	59.8	122.9	14.4	47.5355	9.10587	0.92076	6.8	0.8	5.3	1.0	3.3	0.3	2.4	0.3	24.2	2.9	6.3	241.0	24.3	848.6		
SMDH 00015	41.8	81.3	169.7	19.5	63.7671	12.4485	1.15095	8.5	1.3	7.3	1.4	4.1	0.6	3.8	0.7	33.2	3.2	8.6	344.5	22.9	880.6		1.5
SMDH 00015	19.5	34.6	71.5	8.4	27.8256	6.109	0.28774	4.0	0.3	3.2	0.7	1.7	0.3	1.4	0.3	13.9	1.2	4.4	195.2	10.0	706.4	1.1	
SMDH 00015	17.7	27.0	53.8	6.1	22.0286	4.61057	0.28774	3.0	0.3	2.9	0.6	2.2	0.3	1.4	0.3	9.0	1.1	4.1	201.3	10.0	350.9		
SMDH 00015	46.1	61.7	118.8	13.5	42.8979	8.64482	1.15095	6.0	0.9	6.4	1.5	4.2	0.6	3.2	0.3	20.0	2.5	6.8	303.0	21.5	277.3		1.6
SMDH 00015	42.5	64.4	127.3	14.7	47.5355	9.56693	1.61133	6.9	1.1	6.8	1.4	3.5	0.3	2.6	0.3	24.5	3.9	7.1	317.8	24.3	520.0		
SMDH 00015	34.6	64.6	126.6	14.5	48.6949	9.56693	1.26605	6.4	0.9	5.8	1.3	3.2	0.3	2.7	0.3	25.6	3.4	8.6	357.8	21.5	272.4	0.6	
SMDH 00015	57.9	70.6	143.1	16.3	54.4919	11.9875	1.26605	8.2	1.3	9.2	1.8	5.8	0.9	5.8	0.9	30.2	3.8	5.8	290.3	20.0	743.3		1.7
SMDH 00014b	28.1	103.0	219.9	25.7	86.9551	16.2523	1.15095	10.1	1.1	6.5	0.9	2.6	0.3	2.3	0.3	54.1	3.3	10.4	344.7	15.7	667.1		
SMDH 00014b	19.9	89.8	168.2	19.5	63.7671	13.3707	2.30191	7.1	0.9	4.5	0.7	1.7	0.3	1.5	0.3	30.8	2.7	7.0	302.6	32.9	2720.2		
SMDH 00014b	13.7	78.0	153.5	17.5	60.2889	11.6417	2.18681	6.3	0.7	3.1	0.6	1.1	0.3	0.7	0.3	32.0	2.1	3.7	165.7	10.0	667.1	0.9	1.6
SMDH 00014b	8.1	44.2	85.8	10.3	33.6226	5.18689	1.38114	3.7	0.3	2.1	0.3	0.7	0.3	0.3	0.3	16.4	1.2	1.5	82.3	5.7	1172.4		
SMDH 00014b	12.3	85.1	164.8	21.0	68.4047	11.757	1.49624	7.9	0.7	2.6	0.3	0.9	0.3	0.6	0.3	35.2	1.9	3.2	126.7	7.2	1444.8		
SMDH 00014b	14.8	109.7	221.4	27.0	90.4333	17.866	1.84152	9.9	1.1	4.0	0.7	1.3	0.3	0.3	0.3	52.2	2.7	6.4	234.6	8.6	395.0		1.6
SMDH 00014b	25.3	215.0	446.2	54.4	178.548	31.3519	2.76229	19.8	2.1	8.4	1.0	2.3	0.3	0.9	0.3	102.0	4.1	6.6	258.7	17.2	15883.7	0.8	
SMDH 00014b	28.4	186.3	390.0	46.6	154.2	29.6229	2.76229	18.1	2.0	7.6	0.9	1.9	0.3	1.3	0.3	88.8	4.5	9.8	387.4	12.9	343.4		
SMDH 00014b	17.5	114.3	239.5	27.6	92.7521	16.8286	2.18681	10.2	1.1	4.8	0.7	1.6	0.3	0.9	0.3	49.4	2.4	4.1	170.1	10.0	552.0		1.6
SMDH 00014b	14.3	102.9	210.5	24.6	79.9987	14.0622	2.64719	9.1	0.8	4.0	0.3	1.1	0.3	0.7	0.3	40.5	2.4	4.1	171.7	8.6	343.4		
SMDH 00014b	15.6	106.1	219.0	25.5	85.7957	14.7538	2.18681	9.2	0.9	4.0	0.6	1.5	0.3	0.9	0.3	44.4	3.1	4.1	153.6	8.6	7.5	0.6	
SMDH 00014	26.9	92.8	185.1	21.7	73.0423	14.1775	1.84152	7.8	0.8	5.0	0.9	3.4	0.3	2.8	0.3	31.6	2.8	11.0	443.6	40.1	442.0	1.6	
SMDH 00014	12.2	66.3	134.8	16.0	52.7528	9.45167	1.38114	6.1	0.7	2.6	0.3	1.1	0.3	0.8	0.3	25.4	2.6	6.4	360.8	25.2	736.7		1.5
SMDH 00014	26.5	455.3	765.3	78.7	229.562	33.6572	6.67553	16.2	1.4	6.4	1.0	3.0	0.3	2.2	0.3	29.4	1.5	7.3	308.4	42.9	1133.1		
SMDH 00014	9.5	52.8	107.3	13.0	44.0573	7.26165	1.03586	5.0	0.3	2.4	0.3	1.0	0.3	1.0	0.3	19.1	2.0	13.7	534.4	24.3	615.7		
SMDH 00014	12.3	71.4	143.8	15.6	54.4919	10.028	1.61133	6.3	0.7	3.2	0.3	1.4	0.3	0.8	0.3	25.0	2.0	11.6	459.1	32.9	1192.2	1.2	1.4
SMDH 00014	19.4	90.1	186.1	22.0	71.8829	14.8691	1.72643	8.6	0.9	4.6	0.7	2.1	0.3	1.1	0.3	34.8	2.7	12.4	489.1	28.6	1338.7		
SMDH 00014	25.0	74.9	150.9	17.5	60.2889	11.4112	1.84152	7.1	0.9	4.8	0.9	3.0	0.3	2.2	0.3	27.4	2.1	11.0	498.4	27.2	868.5		
SMDH 00014	34.7	76.6	156.8	17.5	56.8107	10.1433	1.84152	7.6	0.9	5.6	1.1	4.2	0.6	3.6	0.3	23.4	1.8	9.2	434.8	75.8	752.9		1.4
SMDH 00014	43.7	83.3	165.1	19.5	62.6077	11.2959	2.07171	9.2	1.1	6.8	1.4	5.6	0.7	5.0	0.7	27.0	2.6	11.3	521.5	42.9	2268.9	0.5	
SMDH 00013b	27.2	98.4	210.4	23.9	81.1581	14.5233	1.72643	10.1	1.1	5.8	0.9	2.7	0.3	2.0	0.3	39.4	3.1	11.6	491.2	25.7	619.2		
SMDH 00013b	19.9	96.4	197.3	22.8	78.8393	14.5233	1.72643	8.4	1.1	4.1	0.7	2.1	0.3	1.5	0.3	35.5	3.7	12.1	582.1	12.9	1269.3		1.3
SMDH 00013b	18.6	53.9	103.4	12.0	41.7385	7.37691	0.92076	4.5	0.6	3.8	0.6	1.9	0.3	1.5	0.3	19.2	1.9	8.0	334.2	15.7	1122.9	1.9	
SMDH 00013b	14.2	39.8	82.2	9.4	28.985	5.53268	1.03586	3.8	0.3	2.5	0.3	1.5	0.3	1.4	0.3	13.9	1.4	9.4	415.4	18.6	609.0		1.6
SMDH 00013b	13.3	111.4	198.0	19.8	61.4483	8.0685	2.5321	4.9	0.3	2.4	0.3	1.5	0.3	1.0	0.3	13.6	1.4	17.6	773.5	57.2	1289.9		
SMDH 00013b	16.7	28.5	57.2	6.4	22.0286	4.49531	1.61133	3.2	0.3	2.7	0.6	1.7	0.3	1.5	0.3	8.2	1.1	11.4	507.2	32.9	1012.6		
SMDH 00013b	28.4	47.5	103.1	11.0	40.5791	7.83797	1.72643	5.8	0.8	5.5	1.0	3.0	0.3	1.8	0.3	19.0	1.5	8.4	390.1	73.0	989.3	1.2	1.7

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00013b	14.3	21.9	42.8	5.2	16.2316	3.68846	1.84152	2.9	0.3	2.1	0.3	1.5	0.3	1.3	0.3	6.1	1.1	13.0	645.1	32.9	362.3		
SMDH 00013b	50.7	43.6	87.7	9.8	34.782	7.95323	2.07171	6.5	1.1	7.3	1.7	6.2	1.0	6.3	0.8	11.8	1.7	9.7	475.3	48.6	1112.6		
SMDH 00013b	51.3	40.9	84.4	9.2	33.6226	7.14638	1.72643	5.6	1.1	7.4	1.6	6.0	0.9	5.7	0.8	11.1	1.9	4.4	222.9	38.6	1161.4		1.7
SMDH 00013b	52.3	62.3	123.5	13.5	53.3325	10.2585	2.07171	8.9	1.3	8.6	1.7	5.8	0.9	5.1	0.7	18.3	2.0	4.5	234.2	35.8	809.4	0.7	
SMDH 00034	14.8	124.2	250.6	26.9	96.2303	14.7538	2.64719	9.1	0.8	3.8	0.3	1.3	0.3	0.9	0.3	50.9	1.5	3.9	189.0	14.3	868.5		
SMDH 00034	20.8	323.1	587.4	60.4	191.301	27.5482	5.29438	13.4	1.4	6.5	0.8	2.2	0.3	1.0	0.3	60.1	1.3	2.2	127.7	61.5	14502.2		1.7
SMDH 00034	19.4	124.2	240.7	27.3	90.4333	13.4859	1.95662	7.8	0.8	3.9	0.6	1.8	0.3	1.5	0.3	44.5	1.4	7.2	355.4	17.2	439.4		
SMDH 00034	13.4	107.7	211.1	24.3	81.1581	12.3333	1.49624	7.3	0.6	3.0	0.3	1.1	0.3	0.7	0.3	40.0	1.7	11.6	549.9	18.6	1246.2	1.0	
SMDH 00034	40.3	94.8	189.7	22.7	77.6799	14.1775	1.61133	8.7	1.1	6.2	1.4	5.1	0.8	5.1	0.7	34.2	1.8	11.7	524.8	24.3	1361.8		1.5
SMDH 00034	16.3	146.1	278.0	30.5	105.506	16.0217	2.18681	8.9	0.8	3.4	0.6	1.7	0.3	1.1	0.3	50.1	1.5	7.2	341.1	22.9	9293.8		
SMDH 00034	10.8	102.9	202.2	22.2	75.3611	13.1401	2.07171	7.1	0.7	2.9	0.3	0.8	0.3	0.6	0.3	40.2	1.3	5.1	261.1	14.3	979.0		
SMDH 00034	10.1	115.4	230.2	26.8	89.2739	13.7164	2.417	7.2	0.7	2.9	0.3	1.0	0.3	0.6	0.3	45.4	1.1	5.7	264.5	14.3	1338.7	0.9	1.6
SMDH 00033b	37.4	138.7	290.6	33.9	114.781	20.4018	1.49624	13.6	1.5	7.8	1.3	3.8	0.3	3.3	0.3	61.6	3.9	13.2	651.5	27.2	1498.5		
SMDH 00033b	9.9	50.2	102.3	11.4	38.2603	6.33953	1.61133	3.7	0.3	1.8	0.3	0.9	0.3	1.1	0.3	19.4	1.8	4.7	543.6	12.3	570.9		
SMDH 00033b	6.1	39.8	77.1	8.0	26.6662	3.91898	2.30191	2.5	0.3	1.4	0.3	0.6	0.3	0.3	0.3	14.4	0.3	7.7	363.4	17.2	1020.3		1.6
SMDH 00033b	4.8	29.7	57.6	7.0	20.8692	3.57319	1.61133	2.1	0.3	1.0	0.3	0.3	0.3	0.3	0.3	10.6	0.3	7.1	370.7	11.4	830.4	1.1	
SMDH 00033b	4.9	37.7	72.9	7.8	26.6662	4.14951	2.07171	2.4	0.3	1.0	0.3	0.3	0.3	0.3	0.3	13.1	0.6	6.6	312.4	17.2	844.0		
SMDH 00033b	4.1	33.3	60.3	7.0	24.3474	3.11213	1.49624	2.4	0.3	1.0	0.3	0.3	0.3	0.3	0.3	10.0	0.6	6.4	299.1	24.3	37.4		1.5
SMDH 00033b	28.0	87.5	182.5	20.9	69.5641	12.1027	2.18681	8.4	1.1	5.3	1.0	3.4	0.3	2.3	0.3	36.2	2.8	8.3	344.5	27.2	1074.5		
SMDH 00033b	34.6	92.5	187.6	20.9	75.3611	13.4859	1.84152	7.9	0.9	6.0	1.1	4.2	0.6	3.1	0.3	38.0	3.1	11.3	435.5	25.7	1.2	1.0	
SMDH 00033b	42.1	78.5	159.6	18.7	62.6077	12.3333	1.72643	8.0	1.2	7.2	1.5	5.1	0.6	4.1	0.3	32.5	3.1	10.5	457.2	31.5	1104.9		1.5
SMDH 00033b	35.0	89.0	183.1	21.1	71.8829	13.0249	1.61133	9.1	1.2	6.4	1.3	4.0	0.3	2.7	0.3	37.8	3.4	10.1	466.3	28.6	203.5		
SMDH 00033b	34.5	88.2	205.4	21.3	77.6799	13.2554	1.61133	8.1	1.2	6.2	1.0	2.6	0.3	2.8	0.3	41.5	3.7	13.3	499.0	30.0	1030.8		
SMDH 00033b	32.7	81.3	182.0	19.2	70.7235	11.2959	1.61133	7.3	1.1	6.1	1.0	2.7	0.3	3.5	0.3	37.2	2.8	9.9	404.2	30.0	975.2	0.6	1.5
SMDH 00033b	56.3	124.2	276.6	27.6	95.0709	15.0996	2.417	10.7	1.5	9.5	1.7	4.5	0.8	6.5	0.7	46.9	4.2	18.0	659.6	41.5	400.1		
SMDH 00033	33.8	142.8	317.8	34.3	127.534	21.3239	1.61133	12.5	1.5	7.3	0.9	2.4	0.3	3.1	0.3	64.4	2.6	14.6	552.6	17.2	324.2		
SMDH 00033	52.7	296.3	587.8	55.6	179.707	25.1276	4.71891	14.4	2.0	10.8	1.7	4.2	0.7	5.1	0.3	41.2	2.7	13.2	486.0	94.4	1255.5		1.4
SMDH 00033	48.4	218.0	431.5	39.4	127.534	17.4049	3.45286	11.1	1.5	9.6	1.6	3.8	0.6	4.8	0.3	25.4	2.1	9.3	369.3	85.8	1074.5	1.2	
SMDH 00033	58.8	69.7	157.4	16.1	57.9701	11.4112	1.95662	8.8	1.6	10.5	1.7	4.5	0.7	6.1	0.6	19.4	1.9	9.2	352.7	41.5	1173.8		
SMDH 00033	50.6	66.8	138.0	16.7	56.8107	11.0654	1.49624	9.5	1.5	9.3	1.6	5.0	0.6	4.0	0.6	23.1	2.5	8.8	357.0	27.2	1255.5		1.5
SMDH 00033	28.6	98.7	190.4	21.6	71.8829	11.9875	2.417	7.6	1.1	5.4	1.0	2.7	0.3	2.7	0.3	27.8	1.4	5.7	236.8	24.3	1065.9		
SMDH 00033	12.9	90.4	181.6	21.1	70.7235	11.0654	2.64719	6.3	0.6	2.6	0.3	1.3	0.3	0.8	0.3	37.0	0.7	1.5	87.0	8.6	417.7	0.7	
SMDH 00033	18.8	73.2	139.7	16.7	52.1731	9.22114	2.07171	6.1	0.6	3.6	0.7	1.8	0.3	1.4	0.3	26.2	0.9	4.6	198.2	20.0	417.7		1.8
SMDH 00033	21.7	59.3	119.1	13.9	46.3761	9.10587	1.95662	5.7	0.7	4.0	0.8	2.2	0.3	1.6	0.3	21.3	0.9	5.4	252.5	20.0	1203.0		
SMDH 00033	12.5	62.4	126.3	14.3	48.6949	9.10587	1.95662	4.9	0.3	2.4	0.3	1.1	0.3	0.8	0.3	26.2	0.6	2.1	108.7	11.4	700.8		
SMDH 00032b	21.7	96.4	198.7	22.8	77.6799	14.408	0.57548	8.5	1.1	4.6	0.7	2.3	0.3	1.7	0.3	42.0	3.1	13.7	599.8	12.9	659.9		
SMDH 00032b	21.3	105.0	231.6	25.3	85.7957	14.2928	0.80567	10.9	1.3	4.4	0.8	2.1	0.3	1.5	0.3	46.9	2.9	8.8	373.2	11.4	589.8		
SMDH 00032b	46.8	54.4	104.5	12.6	44.0573	8.64482	1.49624	7.7	1.3	7.3	1.4	3.9	0.6	3.3	0.3	18.3	1.7	6.5	302.8	22.9	1165.1		1.6
SMDH 00032b	34.9	54.6	116.8	13.2	44.0573	8.0685	1.15095	6.9	1.2	5.7	1.1	3.4	0.3	3.4	0.3	21.6	1.2	7.1	278.8	4.3	617.4	0.8	
SMDH 00032b	16.7	52.2	110.6	12.6	41.7385	8.0685	1.15095	5.7	1.2	3.4	1.1	1.1	0.3	1.1	0.3	19.3	1.2	7.1	267.7	10.0	897.5		
SMDH 00032b	15.1	42.7	89.4	10.2	33.6226	5.76321	1.15095	4.6	0.3	3.4	0.3	1.1	0.3	1.1	0.3	17.0	1.2	8.3	316.4	4.3	681.8		1.6
SMDH 00032b	13.2	61.5	128.3	15.0	51.0137	9.22114	1.15095	5.7	1.2	3.4	0.3	1.1	0.3	1.1	0.3	26.1	1.2	4.7	223.7	5.7	790.7		
SMDH 00032b	5.7	28.6	55.8	6.5	22.0286	3.45793	2.30191	2.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	9.1	0.3	4.7	227.5	2.9	444.3	0.3	
SMDH 00032	9.9	51.9	94.6	11.9	38.2603	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	1.2	4.7	203.6	11.4	426.5		1.5
SMDH 00032	8.6	54.9	129.0	15.3	42.8979	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	21.6	1.2	3.5	148.5	4.3	352.0		
SMDH 00032	9.4	59.2	121.8	13.9	46.3761	8.0685	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	22.7	1.2	3.5	114.0	0.7	273.3		
SMDH 00032	32.2	71.0	152.4	17.7	59.1295	9.22114	1.15095	6.9	1.2	5.7	1.1	2.3	0.3	3.4	0.3	26.1	1.2	13.0	523.4	22.9	1579.1	1.5	1.5
SMDH 00032	11.4	63.9	126.9	14.5	48.347	8.29903	2.30191	5.2	0.6	2.5	0.3	0.9	0.3	0.3	0.3	24.8	2.1	6.7	210.3	11.3	222.6		
SMDH 00032	7.0	36.1	69.2	8.5	28.985	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	0.3	0.3	12.5	1.2	3.5	114.4	0.7	349.0		
SMDH 00032	11.9	59.5	127.4	14.2	48.6949	9.22114	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	23.8	1.2	3.5	120.4	0.7	405.7		1.7
SMDH 00032	4.4	14.2	28.5	3.2	10.4346	2.30528	2.30191	1.1	0.3	1.1	0.3	0.3	0.3	0.3	0.3	4.5	0.3	4.7	151.2	0.7	413.5	0.6	
SMDH 00032	6.3	15.5	30.6	3.5	11.594	2.30528	2.30191	1.1	0.3	1.1	0.3	1.1	0.3	1.1	0.3	4.5	0.3	3.5	159.7	4.3	480.7		
SMDH 00032	9.1	42.6	83.2	10.9	35.9414	8.0685	3.45286	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	14.8	1.2	2.4	119.1	15.7	302.5		1.5
SMDH 00031b	20.8	69.8	147.2	17.2	57.9701	10.3738	1.15095	6.9	1.2	3.4	1.1	1.1	0.3	2.3	0.3	28.4	2.4	10.6	435.5	5.7	403.2		
SMDH 00031b	22.4	86.2	171.7	21.5	71.8829	12.6791	2.30191	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	30.7	2.4	10.6	425.9	12.9	654.8	1.1	
SMDH 00031b	11.9	72.1	143.7	17.9	57.9701	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	28.4	2.4	5.9	230.0	7.2	532.4		1.8
SMDH 00031b	10.1	67.1	137.1	16.7	55.6513	10.3738	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	27.3	2.4	4.7	175.2	7.2	532.4		
SMDH 00031b	8.9	63.7	132.3	16.0	52.1731	9.22114	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	26.1	1.2	4.7	157.2	4.3	734.4		
SMDH 00031b	9.8	51.9	105.5	13.0	42.8979	8.0685	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	20.4	1.2	4.7	211.5	1.4	676.2	0.8	1.7
SMDH 00031b	13.9	68.4	134.0	16.9	55.6513	9.22114	2.30191	5.7	1.2	3.4	0.3	1.1	0.3	1.1	0.3	25.0	1.2	4.7	186.1	4.3	474.4		
SMDH 00031b	8.0	53.8	107.9	12.5	40.5791	6.91585	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	20.4	1.2	3.5	159.5	0.7	333.6		
SMDH 00031b	10.8	71.7	145.5	18.1	57.9701	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	30.7	2.4	4.7	185.5	0.7	443.8		1.6
SMDH 00031b	8.6	67.4	141.0	16.0	55.6513	10.3738	2.30191	6.9	1.2	2.3	0.3	0.3	0.3	0.3	0.3	28.4	2.4	4.7	186.7	0.7	371.6	0.9	
SMDH 00031	16.6	66.2	140.2	16.3	56.8107	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	27.3	2.4	7.1	321.1	1.4	588.9		
SMDH 00031	18.4	89.0	179.6	20.5	69.5641	12.6791	2.30191	8.0	1.2	4.6	1.1	1.1	0.3	2.3	0.3	31.8	3.5	9.4	299.1	15.7	666.0		1.7
SMDH 00031	24.8	137.9	298.9	33.5	115.94	20.7476	2.30191	13.7	1.2	5.7	1.1	2.3	0.3	1.1	0.3	61.3	5.9	15.3	498.3	10.0	908.9		
SMDH 00031	11.8	35.9	77.2	8.9	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	3.5	15.3	536.9	14.3	897.5	0.7	
SMDH 00031	10.3	36.5	78.8	8.9	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	2.4	17.7	580.3	20.0	1209.1		1.5
SMDH 00031	12.9	62.2	129.0	14.8	51.0137	9.22114	1.15095	5.7	1.2	2.3	0.3	1.1	0.3	1.1	0.3	22.7	3.5	21.2	778.9	37.2	1209.1		
SMDH 00031	16.3	102.3	224.1	24.5	82.3175	13.8317	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	37.5	3.5	21.2	699.2	25.7	1409.9		
SMDH 00031	20.5	97.4	210.0	23.1	76.5205	13.8317	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	1.1	0.3	36.3	2.4	15.3	506.6	15.7	1104.4	0.5	1.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00031	29.5	135.0	296.3	32.3	110.143	19.5949	2.30191	12.6	1.2	8.0	1.1	2.3	0.3	1.1	0.3	52.2	4.7	17.7	604.9	22.9	1331.5		
SMDH 00031	27.1	124.4	283.6	33.0	121.737	21.9002	2.30191	16.0	1.2	8.0	1.1	2.3	0.3	1.1	0.3	105.6	10.6	16.5	563.6	28.6	1289.4		
SMDH 00031	35.7	129.3	298.7	35.1	128.694	23.0528	2.30191	16.0	2.3	8.0	1.1	3.4	0.3	2.3	0.3	114.7	15.3	16.5	598.5	31.5	1505.3		1.5
SMDH 00030b	27.5	96.5	218.5	25.7	89.2739	16.137	1.15095	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	84.0	8.3	15.3	592.5	22.9	1199.7	0.7	
SMDH 00030b	22.2	71.2	154.0	18.4	62.6077	11.5264	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	3.4	0.3	59.1	4.7	11.8	454.9	22.9	904.5		0.5
SMDH 00030b	8.7	88.7	177.7	19.8	64.9265	10.3738	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	36.3	1.2	3.5	118.3	11.4	426.5		
SMDH 00030b	16.6	57.0	112.9	12.4	39.4197	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	2.3	0.3	19.3	1.2	5.9	258.7	14.3	486.3	0.8	
SMDH 00030b	12.8	53.1	109.5	12.0	39.4197	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	19.3	1.2	8.3	378.4	12.9	710.8		1.7
SMDH 00030b	9.3	61.8	129.0	14.4	47.5355	8.0685	1.15095	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	22.7	2.4	11.8	493.6	15.7	1022.4		
SMDH 00030b	12.9	41.7	88.6	9.7	32.4632	5.76321	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	1.2	5.9	278.9	14.3	700.8		
SMDH 00030b	11.9	24.8	47.5	5.8	18.5504	3.45793	1.15095	2.3	0.3	2.3	0.3	1.1	0.3	1.1	0.3	6.8	1.2	1.2	74.4	11.4	401.5	0.3	1.6
SMDH 00030	22.7	95.2	209.5	23.1	71.8829	14.9844	2.30191	10.3	1.2	5.7	1.1	2.3	0.3	1.1	0.3	39.7	2.4	10.6	416.5	27.2	867.8		
SMDH 00030	13.2	44.5	94.7	10.7	37.1009	6.91585	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	15.9	1.2	7.1	294.9	15.7	708.2		
SMDH 00030	9.3	26.7	56.0	6.4	20.8692	3.45793	1.15095	2.3	0.3	1.1	0.3	1.1	0.3	1.1	0.3	9.1	1.2	5.9	245.4	11.4	567.6		1.5
SMDH 00030	8.6	26.3	56.4	6.1	19.7098	3.45793	1.15095	2.3	0.3	1.1	0.3	1.1	0.3	1.1	0.3	9.1	1.2	9.4	440.0	12.9	645.4	0.8	
SMDH 00030	21.7	78.3	167.7	19.1	61.4483	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	1.1	0.3	28.4	2.4	9.4	355.9	34.3	1167.7		
SMDH 00030	13.4	42.0	86.8	9.8	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	13.6	1.2	8.3	380.7	21.5	708.2		1.7
SMDH 00030	9.9	34.8	72.5	8.3	25.5068	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	509.3	17.2	577.7		
SMDH 00030	15.6	36.5	76.5	8.6	26.6662	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	501.4	20.0	642.8	0.7	
SMDH 00030	21.2	50.2	107.9	12.5	39.4197	6.91585	1.15095	5.7	1.2	4.6	1.1	1.1	0.3	1.1	0.3	18.2	1.2	9.4	400.6	21.5	968.2		1.6
SMDH 00030	52.5	95.2	194.8	22.5	74.2017	13.8317	2.30191	9.2	2.3	8.0	2.3	4.6	1.1	5.7	1.1	34.1	2.4	11.8	492.8	44.3	1245.0		
SMDH 00030	38.3	55.9	113.8	13.0	44.0573	8.0685	1.15095	6.9	1.2	5.7	1.1	3.4	1.1	3.4	0.3	19.3	1.2	10.6	454.4	51.5	1023.6		
SMDH 00030	25.5	48.3	101.1	11.6	38.2603	6.91585	1.15095	4.6	1.2	4.6	1.1	2.3	0.3	2.3	0.3	18.2	2.4	14.2	561.5	60.1	1095.3	0.5	1.6
SMDH 00030	11.0	36.6	73.4	8.3	27.8256	4.61057	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	506.8	31.5	1256.9		
SMDH 00030	21.3	71.0	136.9	15.1	46.3761	8.0685	1.15095	5.7	1.2	4.6	1.1	2.3	0.3	2.3	0.3	17.0	1.2	11.8	518.8	45.8	1008.6		
SMDH 00030	14.2	87.3	181.3	20.9	66.0859	11.5264	1.15095	8.0	1.2	3.4	0.3	1.1	0.3	1.1	0.3	34.1	2.4	11.8	528.7	35.8	1394.5		1.5
SMDH 00030	16.0	119.0	243.7	28.0	90.4333	16.137	2.30191	11.5	2.3	4.6	0.3	1.1	0.3	1.1	0.3	45.4	3.5	10.6	472.8	25.7	1038.5	0.3	
SMDH 00029b	22.8	104.6	222.4	24.6	79.9987	14.9844	1.15095	10.3	2.3	4.6	1.1	2.3	0.3	1.1	0.3	40.9	3.5	11.8	556.9	14.3	452.0		
SMDH 00029b	25.7	91.4	184.8	22.1	70.7235	12.6791	1.15095	9.2	1.2	5.7	1.1	2.3	0.3	2.3	0.3	36.3	3.5	13.0	555.7	17.2	665.0		1.6
SMDH 00029b	19.3	64.8	135.7	16.0	53.5644	10.7196	1.03586	6.5	0.8	4.0	0.7	1.6	0.3	0.9	0.3	29.8	3.5	6.9	376.2	11.2	327.0		
SMDH 00029b	28.0	107.4	227.7	27.1	92.0565	18.0965	1.26605	10.7	1.3	5.7	0.9	2.3	0.3	2.2	0.3	48.2	4.7	10.0	347.7	14.4	383.8		
SMDH 00029b	37.6	111.2	223.2	27.4	90.4333	17.2896	2.30191	11.5	1.2	6.9	1.1	3.4	1.1	3.4	0.3	42.0	3.5	10.6	424.4	28.6	1240.4		1.4
SMDH 00029b	18.8	93.4	193.4	22.6	75.3611	12.6791	2.30191	9.2	1.2	4.6	1.1	1.1	0.3	1.1	0.3	35.2	2.4	10.6	427.3	27.2	1500.8		
SMDH 00029b	29.5	109.4	220.9	25.2	82.3175	14.9844	2.30191	9.2	1.2	5.7	1.1	3.4	0.3	3.4	0.3	34.1	2.4	9.4	403.8	42.9	1354.4		
SMDH 00029b	29.3	89.6	184.2	21.9	73.0423	13.8317	2.30191	10.3	1.2	5.7	1.1	3.4	0.3	2.3	0.3	32.9	2.4	10.6	468.6	27.2	1198.1	0.7	1.5
SMDH 00029b	36.4	89.8	180.7	21.7	70.7235	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	1.1	3.4	0.3	31.8	2.4	9.4	402.3	28.6	1116.6		
SMDH 00029b	37.1	97.6	195.1	23.2	77.6799	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	1.1	3.4	0.3	34.1	2.4	10.6	437.4	32.9	1129.6		
SMDH 00029b	31.1	94.6	190.2	22.5	76.5205	13.8317	2.30191	9.2	1.2	5.7	1.1	3.4	0.3	3.4	0.3	34.1	2.4	13.0	513.3	65.8	1299.0		1.5
SMDH 00029b	34.0	83.8	176.4	20.5	68.4047	13.8317	1.15095	10.3	1.2	5.7	1.1	3.4	0.3	3.4	0.3	31.8	2.4	11.8	475.5	24.3	1051.6	0.3	
SMDH 00029b	31.1	96.2	193.9	22.7	73.0423	13.8317	2.30191	9.2	1.2	5.7	1.1	2.3	0.3	3.4	0.3	31.8	2.4	11.8	526.7	40.1	957.7		
SMDH 00028b	34.7	103.4	215.9	25.1	82.6653	16.0217	1.49624	10.3	1.3	6.5	1.1	2.9	0.3	3.2	0.3	42.9	6.0	13.1	454.8	18.5	460.6		1.7
SMDH 00028b	30.0	69.7	145.7	16.8	54.4919	10.3738	1.15095	6.9	1.2	5.7	1.1	2.3	0.3	2.3	0.3	26.1	2.4	9.4	374.3	27.2	881.6		
SMDH 00028b	11.9	34.6	70.4	7.9	25.5068	4.61057	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	5.9	233.1	24.3	630.9	0.9	
SMDH 00028b	20.0	55.0	117.4	12.6	41.7385	6.91585	1.15095	4.6	1.2	3.4	1.1	1.1	0.3	2.3	0.3	22.7	1.2	9.4	393.4	18.6	844.9		1.5
SMDH 00028b	15.1	47.5	99.3	11.2	34.782	5.76321	2.30191	4.6	1.2	2.3	1.1	1.1	0.3	1.1	0.3	19.3	1.2	8.3	350.1	21.5	757.8		
SMDH 00028b	25.7	20.0	41.3	4.9	16.2316	3.45793	1.15095	3.4	1.2	4.6	1.1	2.3	0.3	2.3	0.3	5.7	1.2	3.5	164.8	17.2	1709.6	1.2	1.5
SMDH 00028b	27.1	25.5	35.5	5.6	24.3474	4.61057	1.15095	4.6	1.2	4.6	1.1	2.3	0.3	2.3	0.3	3.4	1.2	4.7	158.9	25.7	1864.7		
SMDH 00028b	25.5	20.1	39.3	5.2	18.5504	4.61057	1.15095	4.6	1.2	3.4	1.1	2.3	0.3	2.3	0.3	4.5	1.2	3.5	144.3	24.3	1402.9		
SMDH 00028b	23.1	14.9	32.3	4.1	14.7244	3.80372	1.72643	2.9	0.6	3.9	0.7	1.8	0.3	1.5	0.3	3.4	1.3	1.7	108.5	8.6	349.5		
SMDH 00028	19.3	70.1	149.7	16.8	54.4919	9.22114	1.15095	6.9	1.2	4.6	0.3	1.1	0.3	1.1	0.3	28.4	2.4	5.9	281.1	7.2	279.6	0.5	
SMDH 00028	50.6	139.4	300.1	34.0	114.781	18.4423	1.15095	13.7	1.2	9.2	1.1	4.6	1.1	4.5	0.3	57.9	3.5	14.2	656.8	21.5	1192.5		
SMDH 00028	25.6	99.2	206.0	23.7	78.8393	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	42.0	1.2	9.4	420.8	22.9	875.7		1.5
SMDH 00028	20.2	64.0	137.7	15.9	49.8543	8.0685	1.15095	5.7	1.2	3.4	1.1	2.3	0.3	2.3	0.3	29.5	1.2	7.1	323.0	12.9	822.5		
SMDH 00028	21.4	76.4	161.1	17.7	57.9701	8.0685	1.15095	5.7	1.2	3.4	1.1	2.3	0.3	2.3	0.3	30.7	1.2	8.3	397.0	11.4	936.9	0.8	
SMDH 00028	18.6	77.3	162.6	17.9	59.1295	9.22114	2.30191	5.7	1.2	3.4	1.1	1.1	0.3	1.1	0.3	28.4	1.2	7.1	335.3	17.2	844.0		1.6
SMDH 00028	11.0	66.9	133.5	16.3	54.4919	8.0685	1.15095	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	25.0	1.2	7.1	314.5	12.9	704.5		
SMDH 00027b	40.0	108.1	227.2	26.8	88.1145	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	44.3	2.4	13.0	546.1	17.2	1089.2		
SMDH 00027b	26.6	65.1	137.2	16.6	53.7962	9.45167	2.30191	6.2	0.8	4.6	0.8	2.3	0.3	1.7	0.3	23.4	2.1	3.4	223.8	19.3	514.8		
SMDH 00027b	42.6	71.2	144.9	18.0	59.1295	9.22114	1.15095	6.9	1.2	6.9	1.1	3.4	1.1	3.4	0.3	26.1	1.2	8.3	375.7	31.5	1121.7		
SMDH 00027b	53.2	84.6	171.2	20.9	69.5641	10.3738	1.15095	9.2	1.2	8.0	2.3	4.6	1.1	5.7	1.1	30.7	1.2	13.0	538.3	28.6	1238.3		
SMDH 00027b	31.3	99.4	206.7	25.0	81.1581	12.6791	2.30191	9.2	1.2	5.7	1.1	2.3	0.3	2.3	0.3	39.7	2.4	13.0	568.4	28.6	1300.6		1.4
SMDH 00027b	30.3	122.9	249.4	29.7	90.4333	13.8317	2.30191	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	47.7	2.4	11.8	531.8	31.5	1154.4	0.2	
SMDH 00029	74.8	114.9	246.6	29.1	101.448	18.327	1.72643	11.3	1.5	8.1	1.6	3.5	0.6	3.4	0.3	49.7	4.6	15.9	670.3	27.3	348.0		
SMDH 00029	23.8	73.2	149.1	17.5	53.3325	9.22114	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	2.3	0.3	28.4	2.4	8.3	362.8	15.7	894.2		1.6
SMDH 00029	23.2	89.8	175.2	21.7	67.2453	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	32.9	2.4	8.3	365.4	34.3	1035.0		
SMDH 00029	29.5	75.9	154.0	18.4	53.3325	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	28.4	2.4	8.3	328.6	22.9	1030.8	0.4	
SMDH 00029	38.1	73.0	150.6	18.0	52.1731	11.5264	1.15095	8.0	2.3	5.7	1.1	3.4	0.3	2.3	0.3	28.4	2.4	9.4	341.9	21.5	1000.5		1.5
SMDH 00029	34.2	92.5	189.7	22.0	63.7671	13.8317	1.15095	10.3	2.3	5.7	1.1	2.3	0.3	2.3	0.3	36.3	2.4	11.8	472.8	21.5	1083.4		
SMDH 00029	18.6	83.1	164.0	19.9	56.8107	11.5264	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	31.8	2.4	10.6	413.6	28.6	1025.2		
SMDH 00029	18.4	73.9	146.7	17.8	51.0137	10.3738	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	29.5	2.4	9.4	366.1	22.9	1080.8	0.3	1.5
SMDH 00029	20.7	75.7	152.3	18.7	53.3325	10.3738	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	30.7	2.4	9.4	366.3	20.0	1155.6		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00029	33.6	86.6	174.5	21.3	60.2889	12.6791	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	32.9	2.4	10.6	411.6	30.0	1235.9		
SMDH 00029	31.7	74.5	161.0	19.1	62.6077	12.6791	1.15095	11.5	2.3	6.9	1.1	2.3	0.3	2.3	0.3	30.7	2.4	11.8	482.0	32.9	1236.6		1.3
SMDH 00029	34.1	70.7	155.4	18.6	63.7671	12.6791	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	27.3	2.4	10.6	405.5	30.0	1206.3	0.1	
SMDH 00027	66.8	143.2	312.3	37.0	121.737	21.9002	1.15095	14.9	3.5	11.5	2.3	5.7	1.1	5.7	1.1	62.5	4.7	17.7	717.0	31.5	1305.3		
SMDH 00027	48.4	125.7	274.1	31.8	108.984	19.5949	2.30191	13.7	2.3	9.2	1.1	3.4	1.1	3.4	0.3	53.4	3.5	11.8	525.6	28.6	1118.2		1.5
SMDH 00027	35.6	130.6	280.0	32.1	107.824	18.4423	2.30191	12.6	2.3	6.9	1.1	2.3	0.3	3.4	0.3	53.4	2.4	13.0	612.3	28.6	1332.9		
SMDH 00027	35.5	118.6	258.9	30.0	99.7085	17.2896	2.30191	12.6	2.3	6.9	1.1	2.3	0.3	2.3	0.3	51.1	3.5	13.0	561.7	25.7	1349.4	0.7	
SMDH 00027	46.9	147.7	317.8	36.6	124.056	21.9002	2.30191	16.0	2.3	9.2	1.1	3.4	1.1	3.4	1.1	61.3	3.5	11.8	551.5	42.9	1437.5		1.5
SMDH 00027	20.0	84.2	179.8	20.2	69.5641	11.5264	2.30191	8.0	1.2	3.4	1.1	2.3	0.3	1.1	0.3	34.1	1.2	11.8	549.9	28.6	1269.6		
SMDH 00027	31.6	102.6	211.8	24.4	69.5641	12.6791	1.15095	8.0	1.2	5.7	1.1	3.4	0.3	2.3	0.3	36.3	2.4	9.4	497.5	24.3	1251.8		
SMDH 00027	46.9	122.6	252.1	31.0	97.3897	17.2896	2.30191	12.6	1.2	9.2	1.1	5.7	1.1	4.5	1.1	47.7	2.4	13.0	556.4	24.3	1264.7	0.2	1.5
SMDH 00027	107.2	132.3	272.9	33.7	106.665	19.5949	1.15095	13.7	2.3	14.9	3.4	13.7	2.3	11.4	2.3	51.1	3.5	16.5	710.9	35.8	1473.7		
SMDH 00026b	50.8	115.2	239.1	29.3	91.5927	17.2896	2.30191	11.5	1.2	8.0	1.1	5.7	1.1	3.4	1.1	47.7	3.5	11.8	553.4	20.0	828.5		
SMDH 00026b	33.2	78.3	160.6	20.1	62.6077	11.5264	2.30191	8.0	1.2	6.9	1.1	3.4	0.3	2.3	0.3	32.9	2.4	8.3	382.3	17.2	872.5	0.4	
SMDH 00026b	41.6	74.4	152.3	19.1	60.2889	11.5264	2.30191	8.0	1.2	6.9	1.1	4.6	1.1	3.4	0.3	30.7	1.2	8.3	359.4	17.2	820.8		
SMDH 00026b	54.7	113.2	235.2	29.8	90.4333	17.2896	2.30191	12.6	1.2	9.2	2.3	6.8	1.1	4.5	1.1	47.7	2.4	11.8	566.1	21.5	1205.3		1.4
SMDH 00026b	46.8	99.4	220.8	21.9	84.6363	16.137	2.30191	11.5	2.3	8.0	2.3	4.6	1.1	4.5	1.1	35.2	2.4	10.6	442.8	32.9	859.8		
SMDH 00026b	37.0	99.3	211.3	22.2	85.7957	14.9844	2.30191	10.3	2.3	6.9	1.1	3.4	0.3	3.4	0.3	34.1	2.4	9.4	361.7	35.8	693.3	0.2	
SMDH 00026b	53.7	116.9	262.1	27.4	100.868	18.4423	2.30191	12.6	2.3	9.2	2.3	5.7	1.1	3.4	1.1	47.7	3.5	14.2	548.3	32.9	959.1		1.5
SMDH 00026b	53.5	119.2	254.9	26.3	98.5491	18.4423	1.15095	12.6	2.3	9.2	2.3	4.6	1.1	4.5	1.1	42.0	3.5	11.8	488.3	37.2	1075.9		
SMDH 00026b	45.4	116.8	253.4	26.3	93.9115	18.4423	2.30191	11.5	2.3	8.0	1.1	4.6	0.3	3.4	0.3	42.0	3.5	11.8	471.2	37.2	887.2		
SMDH 00026b	63.9	132.1	298.9	30.4	111.303	20.7476	2.30191	14.9	3.5	11.5	2.3	6.8	1.1	4.5	1.1	51.1	4.7	11.8	486.7	32.9	1120.8	0.2	1.4
SMDH 00026b	46.1	128.4	287.3	28.9	106.665	20.7476	1.15095	14.9	2.3	9.2	1.1	4.6	0.3	3.4	0.3	48.8	3.5	14.2	583.8	35.8	1090.9		
SMDH 00026b	41.8	89.7	189.1	22.0	73.7379	13.947	1.15095	8.9	1.1	4.8	0.9	1.9	0.3	2.5	0.3	37.7	3.7	10.6	729.6	15.2	576.3		
SMDH 00026	41.7	115.3	255.5	28.9	89.2739	16.137	1.15095	11.5	2.3	8.0	1.1	3.4	0.3	2.3	0.3	51.1	3.5	11.8	506.6	18.6	767.3		1.5
SMDH 00026	45.8	99.7	216.4	24.4	77.6799	13.8317	2.30191	11.5	2.3	8.0	1.1	3.4	1.1	3.4	0.3	43.2	3.5	9.4	401.6	22.9	934.6	0.4	
SMDH 00026	48.7	102.4	224.1	25.8	86.9551	14.9844	1.15095	11.5	2.3	9.2	2.3	3.4	1.1	4.5	1.1	45.4	3.5	13.0	509.0	24.3	1077.1		
SMDH 00026	57.4	94.9	207.1	23.8	81.1581	14.9844	2.30191	11.5	2.3	9.2	2.3	4.6	1.1	4.5	1.1	40.9	3.5	10.6	423.5	21.5	1057.7		1.5
SMDH 00026	61.0	110.8	238.5	27.6	90.4333	16.137	2.30191	12.6	2.3	10.3	2.3	4.6	1.1	5.7	1.1	46.6	3.5	11.8	492.8	27.2	1033.2		
SMDH 00026	56.9	130.8	283.3	32.8	110.143	19.5949	2.30191	16.0	3.5	10.3	2.3	4.6	1.1	4.5	1.1	56.8	3.5	16.5	606.8	32.9	1172.9	0.4	
SMDH 00026	45.2	125.0	273.2	31.5	100.868	17.2896	2.30191	14.9	2.3	9.2	1.1	3.4	1.1	3.4	0.3	55.6	2.4	13.0	478.6	22.9	1161.9		1.5
SMDH 00026	48.0	176.6	362.4	42.5	144.925	24.2055	2.30191	18.3	3.5	10.3	2.3	3.4	1.1	4.5	1.1	67.0	3.5	16.5	663.6	55.8	1501.8		
SMDH 00026	28.9	122.1	395.6	30.0	111.303	17.2896	2.30191	12.6	2.3	6.9	1.1	3.4	0.3	2.3	0.3	53.4	2.4	13.0	566.1	34.3	1443.1		
SMDH 00026	43.7	113.7	380.5	28.3	105.506	17.2896	2.30191	12.6	2.3	9.2	1.1	5.7	1.1	3.4	0.3	54.5	2.4	8.3	459.7	11.4	1291.3	0.5	1.5
SMDH 00026	37.4	137.6	461.7	35.1	129.853	20.7476	2.30191	14.9	2.3	9.2	1.1	4.6	0.3	2.3	0.3	70.4	3.5	16.5	720.1	25.7	1443.1		
SMDH 00026	28.4	136.6	448.1	34.7	126.375	20.7476	2.30191	13.7	2.3	6.9	1.1	3.4	0.3	1.1	0.3	65.9	3.5	15.3	690.9	27.2	1662.5		
SMDH 00025b	25.7	70.1	221.1	17.1	64.9265	10.3738	1.15095	8.0	1.2	5.7	1.1	3.4	0.3	2.3	0.3	34.1	2.4	8.3	378.0	12.9	667.6		1.4
SMDH 00025b	31.6	81.7	247.6	19.7	77.6799	12.6791	1.15095	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	34.1	2.4	7.1	310.7	31.5	883.7	0.9	
SMDH 00025b	27.1	103.0	292.9	23.3	82.3175	12.6791	1.15095	9.2	1.2	5.7	1.1	3.4	0.3	2.3	0.3	36.3	2.4	7.1	343.5	38.6	861.5		
SMDH 00025b	30.9	83.5	271.3	19.7	69.5641	11.5264	1.15095	9.2	1.2	4.6	1.1	3.4	0.3	2.3	0.3	37.5	2.4	8.3	392.8	20.0	966.4		1.4
SMDH 00025b	13.3	52.6	105.5	12.6	53.3325	9.22114	1.15095	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	14.8	1.2	7.1	156.2	25.7	916.1		
SMDH 00025b	27.1	81.5	175.7	19.9	83.4769	13.8317	1.15095	8.0	1.2	5.7	1.1	2.3	0.3	2.3	0.3	31.8	2.4	8.3	377.1	18.6	685.1	0.2	
SMDH 00025b	34.3	85.3	190.4	21.1	89.2739	13.8317	2.30191	10.3	2.3	6.9	1.1	2.3	0.3	3.4	0.3	31.8	2.4	10.6	419.6	18.6	690.5		1.4
SMDH 00025b	31.4	79.6	183.3	19.9	78.8393	12.6791	1.15095	9.2	1.2	5.7	1.1	2.3	0.3	3.4	0.3	30.7	2.4	9.4	406.2	15.7	695.9		
SMDH 00025	27.9	92.8	205.5	22.0	89.2739	13.8317	1.15095	10.3	1.2	6.9	1.1	2.3	0.3	2.3	0.3	36.3	2.4	9.4	429.6	8.6	542.6		
SMDH 00025	19.1	60.7	130.7	14.3	57.9701	9.22114	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	2.3	0.3	22.7	1.2	7.1	295.3	17.2	443.4	0.9	1.5
SMDH 00025	29.8	88.1	193.1	21.6	88.1145	13.8317	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	34.1	1.2	9.4	352.7	18.6	695.9		
SMDH 00025	40.0	88.6	189.9	21.4	85.7957	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	1.1	30.7	2.4	8.3	339.6	21.5	669.0		
SMDH 00025	20.4	69.5	159.7	17.9	55.6513	10.3738	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	2.3	0.3	30.7	1.2	7.1	286.4	14.3	552.4		1.5
SMDH 00025	38.7	79.4	171.4	20.4	47.5355	12.6791	1.15095	6.9	1.2	6.9	1.1	3.4	0.3	3.4	0.3	29.5	2.4	7.1	342.2	22.9	688.6	0.7	
SMDH 00025	39.9	77.8	180.3	20.3	62.6077	12.6791	1.15095	9.2	1.2	8.0	1.1	4.6	0.3	3.4	0.3	32.9	2.4	5.9	257.7	24.3	591.7		
SMDH 00025	51.2	82.6	189.7	21.6	71.8829	13.8317	1.15095	10.3	2.3	10.3	1.1	5.7	1.1	5.7	1.1	36.3	2.4	9.4	398.5	22.9	691.2		1.4
SMDH 00025	41.7	98.6	226.1	25.7	83.4769	14.9844	2.30191	11.5	2.3	9.2	1.1	4.6	0.3	3.4	0.3	43.2	2.4	10.6	426.9	25.7	916.4		
SMDH 00025	50.4	85.8	195.8	21.5	69.5641	11.5264	1.15095	9.2	2.3	8.0	1.1	4.6	1.1	4.5	1.1	36.3	2.4	9.4	376.9	22.9	675.5		1.5
SMDH 00025	50.2	114.9	251.8	27.6	89.2739	16.137	1.15095	11.5	1.2	9.2	1.1	5.7	1.1	4.5	1.1	52.2	3.5	13.0	530.3	28.6	1070.5		
SMDH 00025	42.7	102.0	224.8	25.8	84.6363	16.137	1.15095	11.5	1.2	8.0	1.1	4.6	1.1	3.4	0.3	48.8	3.5	10.6	465.1	24.3	940.9		
SMDH 00024b	65.6	192.3	424.6	47.9	154.2	26.5108	1.15095	18.3	2.3	12.6	2.3	6.8	1.1	5.7	1.1	92.0	4.7	20.0	802.1	15.7	844.2	1.2	1.5
SMDH 00024b	22.4	103.4	219.3	25.1	79.9987	13.8317	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	1.1	0.3	50.0	2.4	10.6	462.6	21.5	1009.8		
SMDH 00024b	19.0	101.2	211.2	23.8	77.6799	12.6791	2.30191	8.0	1.2	4.6	1.1	2.3	0.3	1.1	0.3	44.3	2.4	7.1	286.9	22.9	993.2		
SMDH 00024b	12.2	65.2	136.3	15.9	51.0137	8.0685	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	28.4	1.2	3.5	137.9	12.9	582.1		1.6
SMDH 00024b	21.9	73.4	157.0	17.4	56.8107	10.3738	2.30191	5.7	1.2	4.6	1.1	2.3	0.3	2.3	0.3	32.9	2.4	5.9	259.9	15.7	766.9	0.7	
SMDH 00024b	38.3	93.1	202.6	23.2	76.5205	13.8317	1.15095	10.3	1.2	6.9	1.1	3.4	0.3	3.4	0.3	44.3	3.5	9.4	390.8	21.5	935.3		
SMDH 00024b	42.6	64.0	136.3	15.7	52.1731	9.22114	1.15095	6.9	1.2	6.9	1.1	3.4	0.3	3.4	0.3	28.4	2.4	10.6	399.3	22.9	1073.1		1.4
SMDH 00024b	50.7	41.1	82.0	9.6	32.4632	5.76321	1.15095	5.7	1.2	6.9	1.1	4.6	1.1	4.5	1.1	17.0	1.2	14.2	580.3	35.8	1534.2		
SMDH 00024b	41.1	68.3	142.3	16.3	55.6513	9.22114	1.15095	8.0	1.2	6.9	1.1	3.4	0.3	3.4	0.3	32.9	2.4	9.4	399.7	21.5	905.9	0.6	
SMDH 00024b	32.7	74.3	152.6	17.9	59.1295	10.3738	1.15095	8.0	1.2	5.7	1.1	2.3	0.3	2.3	0.3	37.5	3.5	9.4	352.2	20.0	760.3		1.4
SMDH 00024b	46.9	59.3	125.9	14.5	48.6949	9.22114	1.15095	6.9	1.2	8.0	1.1	4.6	1.1	4.5	0.3	28.4	3.5	8.3	358.9	30.0	958.0		
SMDH 00024b	38.5	84.5	184.7	21.6	70.7235	12.6791	1.15095	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	43.2	2.4	10.6	445.5	22.9	1029.2		
SMDH 00024b	44.5	116.1	250.0	29.1	97.3897	17.2896	1.15095	11.5	1.2	8.0	1.1	3.4	1.1	3.4	1.1	51.1	2.4	13.0	500.2	34.3	1410.9	0.9	1.4
SMDH 00024b	14.8	57.8	125.1	13.9	47.5355	6.91585	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	25.0	2.4	31.8	1290.3	58.7	2011.9		
SMDH 00024b	43.2	132.2	293.4	32.3	107.824	17.2896	1.15095	12.6	2.3	8.0	1.1	3.4	1.1	3.4	0.3	56.8	2.4	13.0	522.6	21.5	1082.0		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00024	44.9	90.4	209.4	23.4	76.5205	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	1.1	44.3	3.5	14.2	549.4	21.5	960.1		1.3
SMDH 00024	43.0	74.1	159.1	19.0	62.6077	11.5264	2.30191	9.2	2.3	6.9	1.1	3.4	1.1	3.4	0.3	32.9	2.4	7.1	306.1	20.0	767.6	1.0	
SMDH 00024	46.6	79.8	177.3	20.5	67.2453	12.6791	2.30191	9.2	2.3	6.9	1.1	3.4	1.1	4.5	1.1	35.2	2.4	9.4	398.2	35.8	821.8		
SMDH 00024	29.5	108.2	243.7	28.1	97.3897	17.2896	1.15095	12.6	2.3	6.9	1.1	2.3	0.3	2.3	0.3	51.1	2.4	14.2	537.2	25.7	1114.7		1.6
SMDH 00024	26.2	107.9	241.9	26.9	91.5927	16.137	2.30191	11.5	2.3	5.7	1.1	2.3	0.3	1.1	0.3	48.8	2.4	10.6	466.4	28.6	1027.8		
SMDH 00024	31.1	115.4	258.6	29.4	100.868	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	52.2	2.4	14.2	549.0	20.0	1271.9	0.5	
SMDH 00024	22.9	138.2	309.8	34.8	115.94	19.5949	2.30191	12.6	2.3	5.7	1.1	1.1	0.3	1.1	0.3	63.6	2.4	9.4	389.7	21.5	802.1		1.6
SMDH 00024	40.7	107.5	247.2	28.3	93.9115	16.137	1.15095	12.6	2.3	8.0	1.1	3.4	0.3	3.4	0.3	51.1	2.4	11.8	480.7	24.3	944.4		
SMDH 00024	37.3	124.4	276.8	33.3	111.303	19.5949	2.30191	12.6	2.3	8.0	1.1	2.3	0.3	2.3	0.3	56.8	2.4	10.6	454.4	25.7	944.4		
SMDH 00023b	27.0	115.5	265.0	30.6	102.027	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	55.6	2.4	13.0	519.9	27.2	826.0	0.6	1.4
SMDH 00023b	31.4	87.7	185.3	22.2	75.593	12.6791	1.15095	7.8	0.9	3.8	0.7	1.5	0.3	1.4	0.3	41.8	3.8	8.0	461.7	20.5	587.0		1.7
SMDH 00023b	25.0	74.3	124.4	18.0	60.2889	10.3738	2.30191	6.9	1.2	4.6	1.1	1.1	0.3	2.3	0.3	18.2	1.2	14.2	593.8	21.5	983.2		
SMDH 00023b	14.7	76.6	167.8	19.7	66.0859	11.5264	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	31.8	1.2	11.8	485.3	21.5	1204.6		1.5
SMDH 00023b	18.1	123.3	281.0	31.9	105.506	17.2896	2.30191	10.3	1.2	4.6	1.1	1.1	0.3	1.1	0.3	56.8	2.4	11.8	541.7	18.6	1118.0	0.8	
SMDH 00023b	17.0	94.1	213.6	23.4	74.2017	12.6791	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	38.6	2.4	9.4	428.6	17.2	983.6		
SMDH 00023b	29.3	118.4	236.8	28.6	102.955	16.7133	1.61133	9.6	1.1	4.2	0.7	1.3	0.3	0.3	0.3	46.3	3.8	9.8	483.0	25.2	452.2		
SMDH 00023b	23.6	101.3	220.3	25.1	85.7957	14.9844	2.30191	9.2	1.2	4.6	1.1	1.1	0.3	2.3	0.3	45.4	2.4	13.0	552.3	25.7	1185.2		
SMDH 00023b	37.3	89.6	201.0	23.5	78.8393	13.8317	1.15095	10.3	2.3	6.9	1.1	3.4	0.3	3.4	0.3	44.3	2.4	11.8	459.1	28.6	919.9	0.4	
SMDH 00023b	44.1	92.0	210.2	24.7	75.3611	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	0.3	47.7	2.4	11.8	496.1	24.3	930.4		1.5
SMDH 00023b	42.6	83.8	185.3	21.6	70.7235	12.6791	1.15095	9.2	2.3	6.9	1.1	3.4	1.1	4.5	1.1	43.2	2.4	9.4	400.0	21.5	793.7		
SMDH 00023b	46.1	82.2	187.4	22.3	70.7235	13.8317	1.15095	10.3	2.3	8.0	1.1	4.6	1.1	5.7	1.1	45.4	2.4	11.8	444.5	27.2	835.8		
SMDH 00023	39.9	147.0	347.1	37.2	117.1	20.7476	1.15095	13.7	2.3	8.0	1.1	3.4	0.3	3.4	0.3	72.7	3.5	23.6	1095.5	18.6	733.2	1.0	1.6
SMDH 00023	28.5	106.4	245.3	29.1	96.2303	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	57.9	2.4	17.7	751.2	17.2	980.1		
SMDH 00023	21.3	95.3	199.2	25.8	91.5927	14.9844	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	2.3	0.3	46.6	1.2	8.3	390.0	11.4	865.0		1.4
SMDH 00023	28.8	132.1	282.9	36.0	127.534	19.5949	1.15095	12.6	1.2	5.7	1.1	3.4	0.3	3.4	0.3	63.6	2.4	13.0	599.6	15.7	1143.2	1.4	
SMDH 00023	15.2	110.1	237.5	28.7	98.5491	14.9844	1.15095	10.3	1.2	3.4	0.3	1.1	0.3	1.1	0.3	51.1	1.2	11.8	569.5	14.3	1030.1		
SMDH 00023	19.8	103.8	223.5	29.3	153.041	13.8317	1.15095	5.7	1.2	5.7	0.3	1.1	0.3	1.1	0.3	46.6	1.2	5.9	379.4	17.2	940.4		1.6
SMDH 00023	17.4	123.4	249.2	35.5	148.403	13.8317	2.30191	5.7	1.2	5.7	1.1	2.3	0.3	1.1	0.3	52.2	1.2	7.1	299.1	20.0	962.9		
SMDH 00023	11.7	61.1	131.5	15.3	51.0137	8.0685	1.15095	6.9	1.2	2.3	0.3	1.1	0.3	1.1	0.3	26.1	1.2	7.1	273.5	8.6	718.3	0.8	
SMDH 00023	34.0	130.8	287.7	32.7	111.303	17.2896	1.15095	10.3	1.2	5.7	1.1	3.4	0.3	3.4	0.3	55.6	2.4	13.0	647.0	17.2	1292.9		1.5
SMDH 00023	14.1	78.1	167.2	19.9	66.0859	10.3738	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	1.1	0.3	34.1	1.2	8.3	325.4	11.4	981.3		
SMDH 00023	36.1	109.9	233.9	27.5	95.0709	14.9844	1.15095	9.2	1.2	5.7	1.1	3.4	0.3	3.4	1.1	46.6	1.2	8.3	431.3	12.9	936.5		
SMDH 00023	29.7	102.8	223.0	26.5	91.5927	13.8317	1.15095	8.0	1.2	4.6	1.1	3.4	0.3	3.4	0.3	44.3	1.2	10.6	518.0	15.7	1046.5	0.5	1.4
SMDH 00023	20.2	91.4	193.7	23.4	79.9987	12.6791	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	1.1	0.3	43.2	1.2	9.4	434.6	12.9	918.0		
SMDH 00023	25.5	106.6	223.1	26.8	89.2739	13.8317	1.15095	10.3	1.2	4.6	1.1	2.3	0.3	2.3	0.3	50.0	1.2	11.8	488.3	21.5	1196.4		
SMDH 00022b	57.8	152.1	349.3	39.9	136.693	22.9376	0.92076	12.8	1.5	6.6	1.3	2.7	0.3	3.0	0.3	75.3	5.0	7.4	583.0	16.0	371.6		
SMDH 00022b	17.9	129.9	240.2	31.1	99.7085	14.9844	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	52.2	1.2	8.3	370.8	40.1	918.0	1.6	
SMDH 00022b	19.8	73.2	152.5	17.7	60.2889	10.3738	1.15095	6.9	1.2	3.4	1.1	1.1	0.3	1.1	0.3	28.4	1.2	5.9	266.6	20.0	541.7		
SMDH 00022b	39.7	142.4	310.7	38.0	126.375	21.9002	2.30191	13.7	1.2	8.0	1.1	3.4	0.3	3.4	0.3	69.3	2.4	14.2	610.8	28.6	1334.3		1.5
SMDH 00022b	34.0	119.5	264.7	33.0	112.462	18.4423	1.15095	12.6	1.2	6.9	1.1	3.4	0.3	3.4	0.3	61.3	2.4	11.8	456.7	18.6	961.2		
SMDH 00022b	51.3	143.8	312.2	37.8	129.853	21.9002	1.15095	16.0	1.2	9.2	1.1	5.7	1.1	5.7	1.1	70.4	2.4	10.6	441.8	18.6	967.5	0.6	
SMDH 00022b	51.1	128.3	275.0	34.6	119.418	19.5949	1.15095	13.7	1.2	9.2	1.1	5.7	1.1	6.8	1.1	63.6	3.5	11.8	465.8	22.9	1107.5		1.5
SMDH 00022b	185.2	314.0	679.0	82.4	258.547	43.8004	2.30191	37.8	4.7	32.1	6.9	20.5	3.4	31.8	4.5	157.9	5.9	8.3	306.5	27.2	672.0		
SMDH 00022b	73.9	184.5	387.6	46.0	165.794	28.8161	2.30191	18.3	2.3	12.6	2.3	9.1	1.1	10.2	1.1	87.4	3.5	8.3	433.3	17.2	995.6		
SMDH 00022b	95.4	184.4	389.7	45.8	148.403	26.5108	2.30191	19.5	2.3	14.9	3.4	12.6	1.1	12.5	2.3	84.0	3.5	11.8	529.0	21.5	755.9	0.5	1.4
SMDH 00022	78.7	132.5	302.9	33.6	118.607	19.8254	1.38114	12.0	1.5	8.2	1.6	3.7	0.7	4.1	0.8	65.6	4.8	9.9	593.9	21.5	572.3		
SMDH 00022	79.8	120.3	278.5	30.0	103.419	18.0965	1.26605	10.8	1.4	7.7	1.7	4.0	0.7	4.5	0.9	53.8	4.0	7.1	417.5	24.6	742.6		
SMDH 00022	29.4	132.8	275.9	33.1	117.1	19.5949	1.15095	12.6	1.2	8.0	1.1	4.6	0.3	4.5	1.1	55.6	2.4	13.0	526.0	20.0	1322.1		1.4
SMDH 00022	39.8	120.6	226.2	28.3	97.1579	15.4454	2.18681	10.2	1.2	7.1	1.4	3.4	0.6	3.6	0.6	43.6	2.1	10.8	459.3	22.9	967.8	4.6	
SMDH 00022	18.2	99.5	204.7	23.9	0.5797	12.9096	1.72643	7.6	0.8	3.9	0.7	1.4	0.3	1.4	0.3	40.3	1.4	9.2	401.3	14.3	545.0		
SMDH 00022	35.0	91.6	290.0	20.8	78.2596	12.5638	1.15095	7.2	1.1	6.3	1.4	4.1	0.3	3.3	0.3	36.0	1.8	10.1	428.7	27.2	750.8		1.4
SMDH 00022	30.5	80.4	258.4	19.1	69.3322	12.1027	1.38114	7.1	0.9	5.5	1.0	3.9	0.3	3.0	0.3	31.0	1.5	9.0	395.2	15.7	617.4		
SMDH 00021b	23.8	65.9	259.8	16.0	62.028	10.1433	0.80567	6.4	0.8	4.2	0.8	2.7	0.3	2.5	0.3	35.8	1.7	14.0	607.6	14.3	942.8	0.7	
SMDH 00021b	16.9	71.5	260.6	16.6	61.5642	11.5264	0.80567	5.7	0.6	3.6	0.6	2.2	0.3	1.7	0.3	45.8	1.3	10.4	464.1	17.2	926.0		1.5
SMDH 00021b	14.4	67.0	214.6	16.2	53.9122	9.6822	0.69057	5.5	0.6	3.0	0.6	2.1	0.3	1.8	0.3	40.5	0.9	9.1	374.7	14.3	720.2		
SMDH 00021b	18.4	58.0	213.3	13.7	50.2021	7.95323	0.69057	4.5	0.3	2.7	0.6	2.5	0.3	2.6	0.3	39.2	1.1	12.6	526.5	15.7	967.8		
SMDH 00021b	31.8	112.1	397.2	27.0	98.2013	15.6759	1.49624	9.9	1.1	6.1	1.0	4.0	0.3	4.1	0.3	50.4	1.4	12.0	503.7	15.7	953.7	0.8	1.6
SMDH 00021b	60.2	111.7	318.6	24.7	97.2738	13.2554	1.26605	11.6	2.1	7.1	1.7	4.5	0.6	6.6	0.9	45.0	1.4	13.3	510.6	44.3	893.7		
SMDH 00021b	35.7	118.0	352.3	27.0	106.433	16.7133	1.38114	11.8	1.9	6.6	1.0	2.7	0.3	3.5	0.3	52.8	1.2	15.9	654.6	31.5	1128.7		
SMDH 00021b	28.1	112.1	336.0	25.3	101.68	15.7912	1.03586	10.4	1.5	4.5	0.8	1.9	0.3	2.4	0.3	48.8	1.2	11.7	498.3	27.2	1006.1		1.7
SMDH 00021b	23.8	98.0	295.2	43.5	150.954	10.8348	1.03586	6.5	1.1	3.1	0.6	1.6	0.3	1.5	0.3	35.2	0.3	8.7	529.9	42.9	1121.9	0.6	
SMDH 00021b	19.5	67.9	193.6	14.8	60.4048	9.22114	1.15095	6.3	0.9	2.9	0.6	1.5	0.3	1.4	0.3	26.9	0.6	10.0	397.4	17.2	651.9		
SMDH 00021	48.0	95.6	233.8	24.0	82.6653	14.5233	1.15095	8.8	1.2	5.4	1.1	2.5	0.3	2.7	0.3	50.1	2.9	9.5	698.2	18.2	584.0		1.6
SMDH 00021	22.1	62.3	80.0	18.3	61.4483	15.9065	1.61133	5.0	0.8	3.1	0.6	1.4	0.7	1.5	0.3	13.5	0.7	8.6	376.2	14.3	566.0	0.9	
SMDH 00021	18.9	55.1	120.4	10.2	41.8544	5.41742	1.15095	4.9	0.7	2.7	0.3	1.3	0.3	1.3	0.3	13.7	0.3	13.7	600.2	17.2	1082.2		1.5
SMDH 00021	48.9	142.3	438.7	30.3	117.447	18.0965	1.26605	12.7	2.3	7.6	1.5	4.0	0.6	5.2	0.7	54.9	1.2	16.6	672.7	18.6	1188.3		
SMDH 00021	23.8	106.3	344.9	21.7	101.564	14.408	1.61133	8.2	0.6	4.9	0.8	2.2	0.3	1.9	0.3	45.4	0.6	17.0	450.1	20.0	1129.4		
SMDH 00021	12.7	93.3	306.4	20.3	91.129	12.4485	1.49624	7.9	0.3	3.2	0.3	1.0	0.3	0.7	0.3	43.2	0.8	18.2	443.3	14.3	1070.3	0.6	1.6
SMDH 00021	12.2	125.7	416.2	25.9	121.389	15.6759	1.61133	8.8	0.6	3.1	0.3	0.9	0.3	0.3	0.3	55.9	0.6	23.0	577.6	27.2	1332.2		
SMDH 00021	21.5	78.9	248.4	15.9	75.2452	10.1433	1.72643	6.5	0.3	4.1	0.7	1.8	0.3	1.4	0.3	35.2	0.3	15.2	378.5	28.6	1047.4		
SMDH 00020b	16.9	47.2	170.2	10.2	44.521	7.37691	0.69057	5.3	0.3	3.2	0.3	1.4	0.3	1.3	0.3	24.4	0.8	13.8	384.7	10.0	392.9		1.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00020b	22.6	57.4	152.5	12.9	52.9847	9.3364	1.26605	6.4	0.3	3.9	0.7	1.6	0.3	1.3	0.3	28.5	0.7	8.5	227.6	22.9	559.7	0.6	
SMDH 00020b	51.7	91.1	293.3	19.3	88.8102	15.7912	2.18681	12.1	0.9	9.6	1.6	4.1	0.3	3.1	0.3	31.0	0.9	12.1	312.7	24.3	677.6		
SMDH 00020b	37.3	87.9	184.5	22.2	77.2161	15.2149	3.33776	10.4	1.4	7.1	1.4	3.4	1.6	3.4	0.6	40.5	1.7	10.5	415.4	17.2	801.9		1.7
SMDH 00020b	45.1	137.2	438.1	28.2	136.23	23.0528	2.5321	9.3	1.1	8.2	1.5	3.7	0.3	2.6	0.3	59.5	1.5	17.6	462.5	61.5	1109.6		
SMDH 00020b	11.9	63.7	202.2	15.5	60.7526	12.1027	1.15095	5.8	0.3	2.7	0.3	1.0	0.3	0.6	0.3	26.1	0.8	6.3	265.2	17.2	517.9	0.7	
SMDH 00020	24.7	94.2	316.6	23.7	94.3753	17.866	1.03586	9.5	0.8	5.3	0.9	3.4	0.3	2.3	0.3	41.0	3.1	22.6	1014.5	12.9	558.0		1.7
SMDH 00020	11.0	78.0	235.7	17.5	71.4191	9.79746	1.26605	5.5	0.3	2.6	0.3	1.4	0.3	0.7	0.3	27.9	1.1	7.3	324.2	12.9	684.0		
SMDH 00020	7.5	62.3	193.6	14.5	60.5208	9.3364	1.26605	4.6	0.3	1.5	0.3	0.8	0.3	0.8	0.3	23.7	0.6	6.5	262.3	10.0	572.3		
SMDH 00020	5.1	19.0	35.3	3.8	12.9853	2.30528	2.18681	1.4	0.3	0.7	0.3	0.3	0.3	0.3	0.3	4.3	1.4	2.8	113.7	11.3	246.2		
SMDH 00020	17.6	76.9	244.4	17.3	72.2307	9.91272	1.03586	5.6	0.6	4.0	0.8	2.5	0.3	2.7	0.3	30.1	0.9	7.7	310.1	10.0	732.5		
SMDH 00020	18.5	97.9	318.1	23.2	91.2449	14.408	1.15095	7.8	0.6	4.4	0.8	2.6	0.3	2.2	0.3	39.9	1.9	8.1	373.6	15.7	869.9		
SMDH 00020	9.1	82.6	274.9	21.1	79.9987	12.9096	0.80567	6.5	0.3	1.8	0.3	0.9	0.3	0.9	0.3	33.8	1.2	8.4	367.3	10.0	741.2		1.6
SMDH 00020	8.5	36.7	139.7	8.0	31.6517	5.53268	1.15095	3.0	0.3	1.4	0.3	1.1	0.3	1.0	0.3	11.9	0.7	6.3	281.8	8.6	517.9	0.6	
SMDH 00019b	10.5	122.4	394.6	27.7	107.361	17.866	1.38114	8.7	0.6	3.2	0.3	1.1	0.3	0.3	0.3	48.7	1.4	8.8	432.8	10.0	635.4		
SMDH 00019b	11.4	41.1	165.1	9.7	33.7386	5.64795	1.26605	3.3	0.3	2.1	0.3	1.3	0.3	1.4	0.3	15.0	0.6	5.7	268.4	8.6	489.8		1.5
SMDH 00019b	20.9	44.3	134.1	11.0	44.637	6.68533	1.61133	4.8	0.3	2.9	0.7	3.1	0.3	2.5	0.3	18.3	0.6	5.8	248.3	8.6	517.4		
SMDH 00019b	24.0	57.9	184.7	14.9	49.9702	8.52955	1.49624	5.4	0.6	3.9	0.8	3.5	0.3	4.0	0.3	26.6	0.9	14.3	587.5	11.4	737.2	0.7	
SMDH 00019b	8.5	24.9	73.0	6.2	20.4055	4.72583	1.26605	2.2	0.3	1.4	0.3	1.3	0.3	1.0	0.3	8.9	0.3	9.0	371.5	27.2	732.5		1.5
SMDH 00019b	38.9	102.1	290.4	27.5	98.2013	18.0965	1.61133	10.4	1.1	5.8	1.1	4.0	0.6	2.8	0.3	49.9	2.5	10.8	471.3	14.3	1198.6		
SMDH 00019b	40.8	99.8	272.8	25.7	89.6217	17.7507	1.26605	10.9	1.3	5.8	1.4	4.1	0.6	3.2	0.6	45.1	2.2	11.2	480.6	20.0	1118.4		
SMDH 00019b	38.9	107.9	290.6	26.2	87.6508	15.3301	1.49624	9.6	1.3	5.3	1.3	3.7	0.3	3.0	0.3	44.4	2.1	13.1	527.8	31.5	1267.0	0.7	1.4
SMDH 00019b	40.4	111.4	304.0	26.9	90.6652	19.5949	1.38114	10.7	1.3	6.3	1.1	4.1	0.6	2.8	0.6	47.6	2.4	12.3	525.5	21.5	1135.5		
SMDH 00019b	40.7	100.1	277.8	25.9	86.7232	15.0996	1.03586	9.7	1.4	6.8	1.4	4.2	0.7	3.3	0.3	46.0	2.5	11.3	464.8	20.0	1232.9		
SMDH 00019b	16.0	41.6	87.5	10.2	32.927	6.109	1.15095	4.0	0.3	2.5	0.3	1.4	0.3	1.7	0.3	17.3	3.9	11.1	404.3	27.9	911.2		
SMDH 00019b	15.1	42.7	112.1	10.7	36.1733	6.109	1.15095	4.0	0.6	2.2	0.3	1.7	0.3	1.1	0.3	19.2	1.5	18.8	842.0	32.9	2070.8	0.7	
SMDH 00019b	9.0	33.9	89.0	8.4	25.8547	4.8411	1.38114	3.4	0.3	1.6	0.3	0.8	0.3	0.8	0.3	14.8	0.9	17.5	797.9	35.8	2148.1		
SMDH 00019b	30.3	75.4	208.7	19.3	59.5932	11.4112	1.26605	7.1	0.9	4.4	0.9	2.9	0.3	1.9	0.3	33.7	2.0	12.0	498.3	21.5	1189.9		1.4
SMDH 00019	27.6	79.5	244.4	22.0	73.5061	14.6386	1.26605	9.2	1.3	5.2	0.9	2.7	0.3	1.7	0.3	46.1	5.0	12.7	452.5	17.7	700.8		
SMDH 00019	28.0	112.4	227.5	25.5	88.3464	14.1775	2.07171	9.2	1.1	4.8	0.9	2.5	0.3	1.4	0.3	37.2	1.2	8.8	369.0	18.6	941.1	0.8	
SMDH 00019	11.4	45.0	67.4	9.8	32.3473	5.07163	1.95662	2.9	0.3	1.4	0.3	0.8	0.3	0.3	0.3	8.1	0.6	13.6	373.4	44.3	1343.4		1.6
SMDH 00019	11.9	16.9	36.3	4.3	14.2606	1.72896	1.03586	1.6	0.6	1.1	0.3	0.7	0.3	0.9	0.3	6.5	3.2	15.4	424.4	20.0	1346.9		
SMDH 00019	22.9	70.5	145.5	16.3	56.3469	9.56693	1.15095	5.5	0.8	2.7	0.6	1.0	0.3	1.3	0.3	30.5	0.9	13.0	380.3	12.9	1071.7	0.5	1.6
SMDH 00019	39.0	93.8	199.7	22.5	75.3611	15.5607	1.26605	9.3	1.8	4.1	0.8	1.9	0.3	1.5	0.3	41.7	1.1	12.6	366.5	12.9	1097.2		
SMDH 00019	47.7	106.6	227.5	26.1	93.6796	16.137	1.26605	9.9	1.8	4.9	1.0	2.5	0.3	3.1	0.3	49.7	1.5	16.4	502.8	11.4	1144.1		
SMDH 00019	40.7	93.2	202.5	23.2	80.3465	13.6012	0.92076	8.9	1.4	4.6	0.8	2.1	0.3	2.3	0.3	46.3	1.4	14.5	389.4	10.0	1064.5		1.4
SMDH 00019	37.3	97.8	215.3	23.7	84.0566	15.4454	1.26605	8.0	1.4	4.4	0.8	2.1	0.3	1.9	0.3	47.5	1.2	12.5	369.3	11.4	1046.5	0.6	
SMDH 00018b	36.5	93.3	229.5	22.3	84.0566	13.8317	1.03586	8.8	1.8	4.1	0.8	1.9	0.3	2.0	0.3	41.9	2.1	18.3	508.2	11.4	937.9		
SMDH 00018b	32.8	175.1	540.6	41.7	137.157	26.0497	2.417	16.2	1.8	8.1	1.3	3.3	0.7	3.3	0.3	68.0	2.8	19.1	687.2	21.5	1131.5		1.4
SMDH 00018b	28.1	123.5	387.4	29.9	105.853	17.7507	1.95662	11.8	1.5	6.5	0.9	3.1	0.6	3.1	0.3	51.4	2.4	14.9	557.5	20.0	1125.0		
SMDH 00018b	31.4	102.1	317.4	25.6	82.5494	17.9812	1.72643	11.1	1.3	6.1	1.1	4.8	0.7	3.8	0.6	43.4	2.1	15.0	564.2	18.6	945.1	0.7	
SMDH 00018b	34.7	102.3	332.9	26.3	84.7523	18.0965	1.61133	11.6	1.4	7.0	1.0	4.3	0.6	3.9	0.6	44.6	2.9	13.8	518.0	21.5	915.7		1.5
SMDH 00018b	29.1	96.0	303.6	23.5	78.6074	14.1775	0.92076	9.9	1.2	5.6	1.1	4.6	0.6	3.6	0.3	39.5	2.0	13.4	506.7	18.6	807.8		
SMDH 00018b	21.7	64.6	204.7	16.0	53.1006	9.45167	1.15095	6.1	0.7	3.7	0.7	2.6	0.6	2.7	0.3	25.6	1.3	14.3	525.2	18.6	814.3		
SMDH 00018b	38.4	96.9	295.0	23.2	74.2017	14.1775	1.72643	10.3	1.4	7.4	1.3	4.6	0.7	4.0	0.3	38.0	3.1	15.3	509.0	27.2	827.4	0.6	1.7
SMDH 00018b	37.8	91.2	281.0	21.9	71.9988	13.0249	2.18681	9.2	1.2	6.2	1.4	4.9	0.7	3.9	0.6	37.2	2.2	14.9	590.2	24.3	945.1		
SMDH 00018b	33.8	91.0	263.9	22.7	68.2888	14.408	1.84152	8.1	1.2	6.3	1.3	4.2	0.6	3.3	0.3	28.4	2.0	10.4	379.4	51.5	794.7		
SMDH 00018b	47.4	65.1	143.7	15.3	56.3469	9.3364	1.26605	6.3	1.4	4.6	1.1	2.6	0.3	3.0	0.3	25.8	1.4	11.6	516.0	41.5	940.2		1.6
SMDH 00018b	43.9	70.5	154.6	16.2	53.5644	9.3364	1.49624	7.1	1.3	5.3	0.9	2.5	0.3	2.6	0.3	26.7	1.7	17.2	756.4	57.2	1512.7	0.7	
SMDH 00018b	27.6	66.4	137.2	15.7	52.0571	9.3364	1.26605	5.7	1.1	3.0	0.3	1.3	0.3	1.4	0.3	22.8	1.5	12.5	581.1	60.1	1138.5		
SMDH 00018	37.9	66.2	159.7	15.9	50.5499	9.56693	0.92076	6.5	1.2	4.1	0.7	1.6	0.3	1.8	0.3	28.3	1.8	14.4	645.3	28.6	659.9		1.6
SMDH 00018	30.0	62.3	147.6	14.2	48.5789	9.56693	0.69057	5.3	0.9	3.0	0.6	1.6	0.3	1.5	0.3	26.2	1.5	13.8	617.7	21.5	611.5		
SMDH 00018	26.0	37.6	78.7	8.8	31.5357	5.64795	1.26605	3.0	0.6	2.2	0.3	1.5	0.3	1.3	0.3	14.3	0.9	7.5	333.1	17.2	619.5	0.8	
SMDH 00018	32.8	94.6	198.0	20.7	73.622	10.8348	1.95662	9.1	1.8	3.7	0.8	1.9	0.3	1.9	0.3	35.3	2.7	16.7	780.6	61.5	1355.8		1.5
SMDH 00018	52.0	65.5	139.1	15.1	51.8253	11.2959	1.38114	6.9	1.5	5.7	1.1	3.1	0.6	3.6	0.3	24.8	2.0	14.2	607.9	44.3	909.1		
SMDH 00018	34.2	65.7	138.6	15.1	51.4774	8.52955	1.38114	6.4	1.5	4.2	0.6	1.8	0.3	1.7	0.3	21.8	2.0	12.3	547.1	54.4	1009.8		
SMDH 00018	62.2	76.6	174.2	18.0	65.3903	14.1775	1.61133	8.0	1.1	6.3	1.4	4.5	0.9	6.6	0.8	32.5	2.0	12.5	647.0	45.8	1161.2	0.6	1.3
SMDH 00018	83.9	97.0	216.5	21.7	80.9262	17.4049	1.61133	10.8	1.4	7.6	1.9	6.6	1.1	8.3	1.0	39.9	2.6	13.4	685.3	40.1	1098.1		
SMDH 00018	55.4	81.7	177.4	16.9	63.5352	13.8317	2.07171	8.5	1.2	6.5	1.1	3.8	0.7	5.6	0.6	32.0	2.0	11.4	609.2	48.6	1267.5		
SMDH 00222	37.8	121.0	288.6	26.7	103.651	20.6323	1.61133	11.7	1.5	5.2	1.0	2.6	0.3	3.3	0.3	48.9	2.5	15.7	833.0	40.1	1011.4		1.4
SMDH 00222	22.7	97.9	267.5	24.0	80.4625	13.3707	1.61133	9.5	1.2	5.3	0.8	2.7	0.3	2.0	0.3	37.0	2.6	15.9	663.0	24.3	1017.5	0.5	
SMDH 00222	35.4	96.8	260.7	21.7	84.9841	15.0996	2.07171	10.7	1.5	5.6	1.3	5.2	0.7	3.5	0.7	37.1	3.3	12.4	549.9	28.6	819.9		
SMDH 00222	25.9	109.7	314.1	27.0	87.6508	14.9844	2.07171	10.2	1.4	5.5	0.8	3.0	0.3	2.3	0.3	44.1	3.7	20.5	821.3	37.2	1101.6		1.7
SMDH 00222	10.4	85.3	231.8	21.0	67.5931	10.8348	1.95662	6.0	0.6	2.6	0.3	0.9	0.3	1.1	0.3	33.4	1.5	14.9	567.7	18.6	975.5		
SMDH 00222	25.9	72.9	206.0	18.4	55.6513	8.41429	1.72643	6.4	1.2	5.7	1.0	3.4	0.6	2.6	0.3	27.8	2.6	13.9	500.9	15.7	1438.0	0.6	
SMDH 00222	47.9	30.9	86.0	7.9	31.3038	8.76008	2.5321	7.4	1.3	8.4	1.7	6.8	0.8	4.2	1.0	7.5	1.9	6.8	300.0	21.5	2720.4		1.9
SMDH 00222	21.5	38.8	107.7	8.5	30.8401	5.53268	2.18681	4.5	0.7	3.4	0.8	3.1	0.3	2.2	0.3	11.5	0.7	9.6	387.0	24.3	1227.7		
SMDH 00222	20.4	22.3	55.2	4.8	17.1591	2.53581	0.92076	1.7	0.3	2.7	0.8	3.3	0.3	2.7	0.6	6.0	0.8	14.2	637.6	11.4	735.8		
SMDH 00223	59.6	242.2	643.6	60.2	207.765	34.003	2.30191	26.1	3.1	11.2	2.2	8.2	1.1	5.3	0.8	112.5	6.4	46.2	1792.4	17.2	1097.4	0.9	1.5
SMDH 00223	25.6	52.2	94.4	12.0	44.4051	8.0685	1.03586	4.0	0.9	3.6	0.3	1.1	0.3	1.1	0.3	19.5	0.8	12.1	447.0	35.8	655.5		
SMDH 00223	24.6	72.5	142.0	18.1	66.5497	12.1027	1.49624	7.4	1.2	5.0	0.3	1.1	0.3	1.3	0.3	29.6	1.2	11.4	486.6	35.8	897.2		
SMDH 00223	29.1	58.6	123.4	14.8	48.463	9.91272	1.03586	6.9	1.2	4.9	0.7	1.5	0.3	1.6	0.3	27.9	1.4	9.7	386.7	12.9	525.3		1.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00223	42.3	78.5	158.1	18.1	63.7671	11.9875	0.92076	7.4	1.5	6.3	0.8	2.3	0.3	2.4	0.3	32.4	1.5	13.7	541.4	17.2	832.0		
SMDH 00223	37.3	71.2	143.4	17.5	54.7238	11.5264	0.80567	7.7	1.4	6.4	0.8	2.2	0.3	2.0	0.3	31.0	2.0	11.1	445.0	15.7	790.2		1.6
SMDH 00223	22.7	65.4	141.2	15.7	50.2021	11.1806	1.26605	5.5	0.8	3.9	0.3	1.3	0.3	0.9	0.3	32.6	0.9	16.3	660.8	20.0	1087.8		
SMDH 00223	41.7	78.4	159.7	17.3	62.9555	11.8722	1.15095	6.2	1.3	6.1	0.9	2.5	0.3	2.7	0.3	34.4	1.1	13.1	542.3	18.6	832.0	0.7	
SMDH 00223	46.9	93.5	190.5	21.1	79.3031	12.218	1.26605	7.9	1.4	6.8	0.9	2.7	0.6	2.8	0.3	42.5	1.4	16.5	684.5	20.0	1134.3		1.5
SMDH 00224	10.8	41.0	138.2	10.6	33.2748	5.87848	0.57548	3.8	0.3	2.2	0.6	1.4	0.3	1.1	0.3	20.7	0.9	8.5	386.3	7.2	536.3		
SMDH 00224	13.3	30.9	91.7	7.8	25.5068	4.14951	1.72643	3.2	0.3	2.3	0.3	1.5	0.3	1.5	0.3	10.0	0.6	3.3	167.1	11.4	728.6		
SMDH 00224	12.5	25.0	80.7	6.4	20.6373	3.11213	1.26605	2.5	0.3	1.9	0.3	1.7	0.3	1.1	0.3	10.1	1.1	10.0	497.2	12.9	913.3	0.7	1.6
SMDH 00224	16.9	24.1	69.4	5.8	19.5939	2.53581	1.15095	2.7	0.3	2.5	0.6	2.4	0.3	2.2	0.3	8.3	0.8	11.0	495.6	14.3	839.5		
SMDH 00224	5.7	16.4	42.6	3.4	10.5506	1.49844	0.80567	1.3	0.3	1.0	0.3	0.6	0.3	1.0	0.3	3.6	0.6	10.3	497.1	20.0	795.1		
SMDH 00224	7.0	16.0	45.5	3.6	11.1303	1.15264	1.03586	1.4	0.3	1.3	0.3	0.9	0.3	0.8	0.3	5.0	0.6	11.6	537.8	14.3	880.2		1.7
SMDH 00224	27.6	18.8	57.3	4.7	15.7679	2.53581	1.26605	2.7	0.6	3.4	1.0	3.5	0.3	2.8	0.3	6.7	0.8	12.3	568.0	12.9	1054.0	0.6	
SMDH 00224	30.9	21.8	68.1	5.4	17.6229	2.99687	1.26605	3.0	0.6	4.1	1.3	3.9	0.3	3.9	0.3	7.6	0.7	11.9	535.9	18.6	902.4		
SMDH 00224	19.3	17.2	51.6	4.0	12.0578	1.72896	1.15095	1.7	0.3	2.4	0.6	2.2	0.3	2.2	0.3	6.0	0.8	11.1	545.6	12.9	954.0		1.7
SMDH 00224	11.9	14.9	29.6	3.2	8.92739	1.6137	1.15095	1.8	0.3	2.6	0.7	2.1	0.3	1.9	0.3	3.2	0.8	16.3	789.3	14.3	1142.0		
SMDH 00225	30.5	116.7	255.3	29.7	85.6798	16.2523	2.07171	14.3	1.5	9.0	1.6	4.5	0.3	3.3	0.6	43.0	2.9	16.6	819.4	18.6	928.5	1.1	
SMDH 00225	25.1	106.4	231.7	26.1	78.1437	15.3301	1.72643	11.9	1.4	6.6	1.5	4.0	0.3	2.5	0.3	38.4	2.1	12.7	648.5	22.9	928.5		1.7
SMDH 00225	175.8	5742.6	7812.4	1184.0	3261.16	501.63	130.173	275.3	23.1	93.9	13.1	27.4	2.2	9.1	1.4	309.5	11.1	22.4	1366.1	2313.1	4927.3		
SMDH 00225	25.3	147.1	299.5	36.6	105.274	20.7476	2.76229	14.9	1.3	7.7	1.4	3.1	0.3	1.9	0.3	47.9	1.9	14.9	807.2	41.5	1238.0		
SMDH 00225	33.8	135.4	299.1	34.7	103.071	20.6323	1.72643	17.1	1.8	10.1	1.9	5.8	0.8	5.3	0.6	51.7	2.4	14.3	757.0	27.2	1244.3	0.6	1.4
SMDH 00225	37.1	147.5	326.0	38.7	114.781	19.0186	1.95662	17.5	1.8	9.4	2.2	5.0	0.8	4.3	0.7	58.3	2.6	15.3	770.8	25.7	1259.8		
SMDH 00225	23.2	125.8	277.8	32.2	102.143	17.7507	2.30191	15.2	1.4	8.1	1.4	3.2	0.3	2.2	0.3	48.9	2.0	13.3	672.2	24.3	1108.2		
SMDH 00225	28.0	130.3	289.6	32.2	98.2013	19.1339	2.07171	15.5	1.6	7.6	1.5	4.1	0.6	2.5	0.3	51.2	1.8	15.0	751.2	22.9	1145.3		1.5
SMDH 00225	43.1	128.5	316.9	32.1	119.766	19.4797	2.64719	14.1	1.4	11.5	1.4	8.8	0.8	3.3	0.8	46.4	2.0	15.4	1048.2	30.0	1260.0	0.5	
SMDH 00225	30.4	140.4	351.5	37.7	125.099	19.9407	2.87738	17.2	1.8	10.1	1.0	5.5	0.3	2.3	0.3	57.9	2.1	17.6	1086.3	30.0	1434.0		
SMDH 00225	32.8	127.0	317.8	32.2	112.694	20.6323	2.417	13.9	1.4	9.5	1.1	6.3	0.6	2.3	0.6	47.5	2.4	20.6	1286.9	28.6	1427.0		1.6
SMDH 00225	32.6	106.8	270.5	29.1	103.419	17.9812	2.30191	14.4	1.5	7.9	1.3	8.2	0.6	3.8	0.8	41.6	1.7	17.9	1232.9	31.5	1437.5		
SMDH 00226	37.9	124.9	483.5	38.3	123.824	22.3613	1.26605	15.0	2.0	9.2	1.6	4.8	0.3	3.9	0.7	64.8	2.8	20.5	1132.5	22.9	916.8	1.0	
SMDH 00226	36.4	103.0	374.8	30.9	93.3318	17.6354	1.95662	11.5	1.5	8.1	1.5	4.2	0.3	3.2	0.3	43.2	2.6	12.6	744.7	22.9	995.8		1.5
SMDH 00226	39.3	86.8	326.0	25.1	79.6509	15.6759	1.49624	9.5	1.6	7.2	1.6	3.8	0.7	3.9	0.3	37.8	2.9	10.1	588.0	22.9	986.9		
SMDH 00226	25.5	60.7	224.9	18.6	56.5788	10.9501	0.92076	7.1	1.1	5.5	1.0	2.9	0.3	2.8	0.3	26.9	1.9	8.4	443.1	14.3	645.4		
SMDH 00226	32.8	74.2	277.8	21.9	73.3901	12.9096	1.38114	8.4	1.3	6.2	1.0	3.5	0.6	3.1	0.3	32.4	2.1	11.7	675.9	17.2	805.9	0.6	1.4
SMDH 00226	26.7	69.0	265.2	20.5	58.086	12.4485	1.15095	7.3	0.9	5.2	0.9	2.6	0.3	2.8	0.3	31.3	1.5	11.0	668.4	20.0	797.2		
SMDH 00226	28.5	79.3	306.0	24.5	84.0566	14.9844	1.15095	9.5	1.4	5.4	1.0	2.6	0.3	2.7	0.3	37.8	1.7	13.0	766.4	17.2	902.4		
SMDH 00226	32.3	76.5	299.0	23.3	73.1582	14.0622	1.15095	8.6	1.4	6.9	1.3	3.1	0.3	3.0	0.3	34.3	1.5	9.7	545.6	17.2	861.5		1.4
SMDH 00226	41.3	72.3	274.0	22.1	69.796	13.947	1.26605	8.6	1.3	8.0	1.5	4.8	0.7	4.5	0.6	32.7	1.5	10.3	586.9	17.2	833.7	0.6	
SMDH 00226	74.6	100.7	201.5	23.7	81.2741	14.9844	1.61133	10.1	2.2	8.9	1.4	5.2	0.6	3.1	0.3	37.7	1.9	10.1	454.9	27.2	878.3		
SMDH 00226	59.4	98.5	203.2	23.4	83.4769	13.7164	1.49624	11.0	2.1	7.0	1.3	4.3	0.3	2.7	0.3	40.0	1.8	10.5	451.4	27.2	930.9		1.4
SMDH 00226	68.3	120.4	234.6	27.3	96.1144	16.7133	1.49624	11.5	2.7	7.9	1.4	4.8	0.7	3.0	0.3	45.2	2.0	11.2	473.3	35.8	990.2		
SMDH 00226	21.4	54.1	106.1	11.6	40.2312	6.57006	1.61133	4.7	0.7	2.6	0.3	1.7	0.3	1.3	0.3	19.1	0.9	8.5	379.0	20.0	871.3	0.2	
SMDH 00227	36.4	145.6	321.3	36.7	126.607	21.4391	1.72643	12.9	1.5	7.2	1.1	3.0	0.3	2.6	0.3	65.5	5.7	6.2	268.0	32.8	671.1		1.6
SMDH 00227	21.9	68.2	125.6	14.2	50.2021	9.10587	0.92076	5.6	0.9	2.7	0.6	1.9	0.3	0.9	0.3	24.4	0.8	6.4	283.8	18.6	678.8		
SMDH 00227	22.9	50.0	95.4	10.8	41.0428	6.68533	1.15095	4.4	0.9	2.5	0.6	2.1	0.3	1.3	0.3	18.5	0.9	7.2	321.1	18.6	612.5	0.7	1.6
SMDH 00227	14.1	71.1	142.3	15.9	57.9701	9.91272	0.80567	4.7	1.1	2.3	0.3	1.0	0.3	0.3	0.3	29.6	0.9	8.1	318.5	8.6	538.9		
SMDH 00227	22.2	89.1	178.1	20.8	71.651	10.8348	1.03586	6.5	1.4	2.6	0.6	1.3	0.3	0.8	0.3	37.4	1.1	9.8	422.9	11.4	507.4		
SMDH 00227	22.2	115.2	356.7	26.4	94.955	17.0591	1.72643	8.7	1.5	6.2	1.1	3.7	0.3	2.7	0.3	57.3	1.5	11.2	392.9	8.6	762.4		1.6
SMDH 00227	12.9	93.0	299.1	21.0	73.622	14.6386	1.49624	6.1	0.8	4.2	0.8	1.5	0.3	1.7	0.3	48.4	1.4	11.1	432.9	8.6	654.1	0.5	
SMDH 00227	28.0	118.9	371.4	26.9	102.375	17.5202	1.72643	8.6	1.6	6.3	1.5	4.8	0.3	4.1	0.3	60.2	1.3	13.1	455.9	12.9	934.4		
SMDH 00227	32.1	113.4	356.2	26.5	105.274	18.9033	1.84152	8.9	1.8	7.8	1.5	5.8	0.6	4.8	0.6	56.8	1.4	9.0	347.7	12.9	728.8		1.6
SMDH 00227	25.7	85.2	260.8	19.7	70.2597	14.0622	1.61133	6.3	1.3	5.0	1.1	4.5	0.3	4.4	0.3	42.7	1.3	8.3	317.6	10.0	594.3		
SMDH 00228	53.0	229.4	422.5	47.2	179.707	27.0871	2.5321	15.1	1.8	9.2	1.8	4.6	0.8	5.8	0.7	66.4	6.0	13.9	402.3	45.8	856.6		
SMDH 00228	26.9	83.6	236.1	19.1	68.0569	12.6791	2.18681	7.4	1.3	6.4	1.1	4.2	0.3	3.3	0.3	37.0	2.6	16.3	626.9	28.6	1300.6		1.5
SMDH 00228	13.6	23.3	57.0	5.2	18.2026	3.68846	1.38114	2.5	0.3	2.7	0.6	2.1	0.3	1.9	0.3	8.3	1.4	15.9	628.1	21.5	1091.3		
SMDH 00228	25.0	56.5	177.1	13.1	45.2167	9.56693	1.15095	4.4	0.9	5.3	1.1	3.7	0.3	2.8	0.3	26.3	1.5	10.1	340.5	11.4	627.9		
SMDH 00228	25.3	79.1	233.2	17.8	64.8105	12.5638	1.38114	5.2	1.3	6.0	1.3	4.6	0.3	4.0	0.3	34.9	1.7	10.7	381.3	11.4	859.6	0.6	1.5
SMDH 00228	7.1	18.8	53.6	3.6	14.6085	1.6137	0.92076	1.1	0.3	1.9	0.3	0.7	0.3	0.7	0.3	7.6	0.6	5.8	354.2	12.9	714.8		
SMDH 00228	7.0	17.0	45.8	3.5	12.7534	1.26791	1.26605	0.9	0.3	0.7	0.3	0.7	0.3	0.3	0.3	5.9	0.6	7.2	390.8	14.3	714.8		
SMDH 00229	20.5	101.3	270.0	18.6	68.4047	11.1806	0.28774	6.3	0.7	4.7	0.8	2.1	0.3	1.7	0.3	49.1	2.1	10.5	528.3	12.9	775.5		1.5
SMDH 00229	39.2	191.3	525.6	40.6	139.592	21.9002	1.61133	10.9	1.4	9.0	1.1	3.1	0.3	2.4	0.3	92.9	3.1	14.4	780.0	27.2	1457.6	0.8	
SMDH 00229	9.1	50.2	128.0	9.5	34.782	4.49531	1.03586	2.5	0.3	1.7	0.3	0.7	0.3	0.8	0.3	20.3	1.1	5.2	305.4	12.9	903.8		
SMDH 00229	9.1	28.4	68.4	6.0	17.507	3.11213	1.49624	1.8	0.3	1.4	0.3	0.8	0.3	1.1	0.3	10.0	1.3	7.7	451.6	15.7	1074.5		1.3
SMDH 00229	5.6	22.5	59.9	4.8	15.7679	1.84423	0.92076	1.6	0.3	1.1	0.3	0.3	0.3	0.6	0.3	8.6	1.2	10.1	482.1	10.0	728.8		
SMDH 00229	5.6	11.1	28.1	2.2	6.60859	1.49844	0.92076	0.9	0.3	0.3	0.3	0.3	0.3	0.6	0.3	3.1	0.3	5.4	312.8	8.6	602.7	0.7	
SMDH 00229	5.8	30.7	81.6	6.0	20.6373	3.45793	0.92076	1.7	0.3	1.4	0.3	0.7	0.3	0.6	0.3	12.7	0.3	6.6	378.2	10.0	719.5		1.6
SMDH 00229	8.5	41.8	133.1	10.1	33.6226	5.07163	1.95662	3.7	0.3	1.9	0.3	1.1	0.3	1.1	0.3	15.2	0.9	9.3	370.5	14.3	848.2		
SMDH 00229	22.1	107.1	325.4	26.1	88.9261	13.1401	1.49624	9.7	1.1	4.8	0.8	2.2	0.3	1.6	0.3	41.5	2.2	9.6	483.6	25.7	1036.2		
SMDH 00229	19.0	69.5	225.5	18.4	62.7236	10.028	1.26605	7.1	0.7	3.9	0.7	2.4	0.3	1.5	0.3	34.3	1.7	9.9	433.6	18.6	844.9	0.6	1.4
SMDH 00229	30.3	109.3	362.4	27.3	90.2014	16.137	1.72643	11.0	1.2	6.5	0.9	3.2	0.3	2.0	0.3	49.6	1.9	8.0	409.4	22.9	1008.6		
SMDH 00229	37.6	106.4	349.5	27.5	90.7811	16.2523	1.72643	10.8	1.2	7.0	1.1	4.0	0.3	2.8	0.7	47.7	1.8	9.7	495.9	24.3	1121.7		
SMDH 00229	33.6	103.9	350.3	26.3	87.3029	13.7164	1.84152	9.9	1.1	6.4	1.0	4.1	0.3	3.2	0.6	47.1	1.9	9.1	490.2	20.0	1018.7		1.6
SMDH 00229	37.9	128.1	430.4	33.3	120.114	17.7507	1.61133	11.8	1.4	7.0	1.3	5.4	0.3	3.4	0.6	64.0	1.9	9.9	494.9	17.2	1095.1	0.6	

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00229	36.2	113.9	385.8	30.4	100.868	16.4828	1.26605	11.5	1.2	6.8	1.1	4.6	0.3	3.3	0.3	55.2	1.7	8.0	411.6	18.6	1068.4		
SMDH 00229	39.7	114.8	401.0	30.7	105.506	18.7881	1.49624	11.7	1.3	7.8	1.4	5.0	0.6	3.9	0.7	59.1	1.7	9.3	473.5	21.5	1085.3		1.3
SMDH 00230	28.6	91.1	306.3	24.6	83.245	15.3301	1.15095	9.5	1.2	5.5	0.8	3.2	0.3	2.2	0.3	45.2	2.6	10.8	541.0	12.9	875.5		
SMDH 00230	23.3	73.4	237.4	19.7	64.8105	14.0622	1.61133	8.4	1.1	4.7	0.8	2.4	0.3	1.6	0.3	33.6	1.7	6.3	331.1	15.7	762.2	0.8	
SMDH 00230	45.2	96.4	281.3	25.6	87.0711	15.3301	3.33776	11.1	1.4	8.2	1.7	5.4	0.3	3.8	0.8	35.9	1.7	7.0	373.8	18.6	772.2		1.4
SMDH 00230	51.7	79.2	163.1	19.8	69.3322	12.5638	1.26605	8.8	2.1	5.4	1.1	2.2	0.3	2.3	0.3	38.2	1.7	12.5	522.4	22.9	967.5		
SMDH 00230	46.0	78.9	168.3	19.3	66.6656	11.5264	1.61133	7.8	1.6	4.9	1.0	2.3	0.3	2.4	0.3	39.3	1.8	12.1	474.9	20.0	726.5		
SMDH 00230	64.4	99.0	219.6	24.6	87.187	17.2896	1.84152	9.9	2.1	6.9	1.6	3.2	0.3	3.1	0.7	49.5	2.7	11.9	516.5	28.6	719.9	0.6	1.4
SMDH 00230	51.7	77.0	167.4	19.2	69.5641	12.1027	1.38114	8.4	1.6	5.6	1.1	2.7	0.3	2.5	0.3	37.2	2.1	11.7	417.8	18.6	716.9		
SMDH 00230	35.1	62.7	138.6	15.7	57.5063	11.0654	1.15095	7.1	1.4	4.0	0.8	1.4	0.3	1.1	0.3	32.0	2.0	12.1	693.6	24.3	877.6		1.3
SMDH 00230	49.6	59.4	130.9	15.6	50.5499	10.6043	1.26605	7.1	1.6	5.2	1.0	2.2	0.3	2.2	0.3	28.7	2.0	11.8	496.8	25.7	938.6	0.6	
SMDH 00230	45.1	56.7	118.8	14.9	50.0861	8.41429	1.38114	6.3	1.2	4.7	1.1	1.9	0.3	2.2	0.3	24.2	1.7	11.7	520.1	30.0	864.8		
SMDH 00230	80.2	74.7	161.0	18.1	65.1584	11.4112	1.49624	9.1	2.0	8.4	1.9	4.3	0.8	4.4	0.8	34.4	2.4	11.4	519.1	22.9	893.7		1.4
SMDH 00230	19.3	51.2	161.7	13.0	42.7819	8.0685	1.15095	4.8	0.9	3.6	0.7	1.9	0.3	2.0	0.3	25.6	1.7	11.2	450.8	24.3	1184.8		
SMDH 00230	26.6	83.3	276.4	21.6	71.1873	13.8317	1.61133	8.9	1.3	5.2	0.9	3.2	0.3	2.5	0.3	43.0	2.1	9.1	401.1	21.5	1057.7	0.5	
SMDH 00230	34.1	104.1	336.3	26.4	92.984	16.9438	1.72643	11.0	1.8	7.0	1.4	3.7	0.6	3.1	0.6	55.2	2.7	8.5	370.0	27.2	1128.7		1.2
SMDH 00230	33.0	100.7	308.7	25.6	81.9697	16.5981	2.07171	11.0	1.4	7.3	1.1	3.4	0.3	2.6	0.3	48.5	2.5	6.6	300.6	32.9	904.5		
SMDH 00230	34.7	86.6	286.9	22.5	73.0423	14.9844	1.61133	8.8	1.4	6.1	1.3	3.9	0.6	2.6	0.3	45.1	2.7	9.3	419.4	25.7	874.6		
SMDH 00230	36.8	101.5	321.2	24.4	84.4044	17.1744	1.84152	11.6	1.6	8.0	1.1	4.2	0.6	3.2	0.3	54.6	2.6	10.8	476.6	22.9	979.2	0.5	1.5
SMDH 00231	37.1	115.8	371.6	28.2	96.926	17.7507	1.61133	10.3	1.6	7.4	1.1	3.9	0.3	2.8	0.3	55.4	3.2	13.3	552.3	10.0	1083.9		
SMDH 00231	47.5	171.4	536.3	42.3	145.969	29.5076	1.84152	16.7	2.6	9.9	1.7	5.1	0.7	3.6	0.3	79.7	5.3	19.2	855.2	18.6	1210.9		
SMDH 00231	32.6	100.0	364.7	25.6	87.187	16.2523	1.61133	9.6	1.8	6.5	1.0	3.7	0.3	1.7	0.3	49.9	3.2	13.8	620.2	21.5	1177.3		1.5
SMDH 00231	46.1	97.1	195.8	23.2	81.5059	13.2554	1.84152	9.6	2.0	6.3	1.1	1.9	0.3	2.3	0.3	38.6	2.5	9.6	387.0	15.7	795.4	0.8	
SMDH 00231	44.1	80.3	169.3	20.2	66.5497	14.0622	1.72643	8.1	1.6	5.0	1.0	1.9	0.3	2.7	0.3	33.0	2.1	8.0	376.9	14.3	839.1		
SMDH 00231	40.8	74.3	157.0	18.7	61.6802	10.7196	1.84152	7.3	1.8	5.4	1.0	1.9	0.3	2.0	0.3	31.2	2.0	8.4	358.6	14.3	775.1		1.3
SMDH 00231	38.9	72.7	148.5	17.3	67.4772	10.489	1.61133	6.6	1.4	4.6	0.9	2.1	0.3	1.8	0.3	27.9	1.7	6.6	274.6	14.3	778.3		
SMDH 00231	68.8	80.9	169.0	19.9	67.3612	13.6012	1.72643	9.5	1.9	7.4	1.6	3.0	0.7	3.4	0.3	29.6	2.0	12.7	592.1	31.5	1162.6	0.5	
SMDH 00231	94.8	83.5	174.2	20.3	69.68	12.1027	1.38114	10.3	2.6	9.6	1.9	4.3	0.8	4.7	0.8	31.3	2.5	11.3	459.0	24.3	1054.7		1.3
SMDH 00231	82.5	94.0	199.1	24.0	80.1147	13.8317	1.61133	10.3	2.5	9.0	1.7	4.8	0.8	4.3	0.8	37.7	3.2	11.8	488.3	22.9	1014.2		
SMDH 00231	94.0	103.9	219.1	25.2	91.013	16.137	1.84152	11.9	2.7	9.2	2.3	5.2	0.9	5.8	0.6	43.5	3.2	11.0	470.2	22.9	1007.5		
SMDH 00231	57.5	109.7	216.7	26.2	90.4333	13.947	2.18681	11.0	2.2	7.2	1.3	3.1	0.3	3.3	0.3	39.7	2.7	9.7	432.0	35.8	983.9	0.5	1.3
SMDH 00231	19.8	103.3	237.6	21.0	74.2017	13.1401	1.84152	8.8	1.4	4.4	0.8	1.5	0.3	1.0	0.3	41.6	1.9	11.2	509.5	31.5	1106.3		
SMDH 00231	29.7	123.9	291.1	27.6	100.868	17.0591	2.18681	11.8	2.0	6.6	0.9	2.1	0.3	1.6	0.3	52.9	3.1	10.5	498.6	38.6	1188.5		
SMDH 00232	45.6	167.5	395.5	35.3	128.925	21.7849	1.26605	15.5	2.6	8.6	1.6	3.7	0.3	3.9	0.6	72.2	4.0	15.2	692.0	12.9	968.0		1.6
SMDH 00232	53.5	210.0	497.1	44.2	158.606	27.5482	1.49624	18.6	3.1	9.2	1.9	3.9	0.6	3.8	0.6	89.1	4.7	9.3	464.3	17.2	1681.8	0.4	
SMDH 00232	40.9	116.8	427.1	24.1	111.187	18.9033	1.84152	10.9	1.8	7.6	1.5	3.8	0.3	2.0	0.3	74.3	3.9	9.1	383.8	14.3	774.8		
SMDH 00232	29.7	219.8	398.2	31.7	154.084	24.0902	2.76229	10.9	1.4	6.3	1.1	3.2	0.3	1.0	0.3	42.1	1.9	8.6	346.9	21.5	1034.8		1.3
SMDH 00232	20.5	71.9	257.8	14.2	66.7815	10.3738	1.61133	6.3	0.8	4.1	0.9	1.4	0.3	1.0	0.3	42.9	2.4	11.2	473.7	17.2	917.3		
SMDH 00232	19.6	50.6	189.0	10.7	51.5934	7.95323	1.49624	4.2	0.6	3.9	0.7	1.9	0.3	1.4	0.3	32.0	1.7	8.1	338.4	12.9	637.5	0.6	
SMDH 00232	31.4	62.7	223.8	12.9	60.2889	9.6822	1.26605	5.3	1.1	5.2	1.1	3.4	0.3	2.3	0.3	39.1	2.7	10.8	447.2	14.3	742.3		1.4
SMDH 00232	42.8	63.0	227.5	12.6	63.3033	8.87535	1.49624	6.0	1.1	6.4	1.4	4.8	0.6	3.1	0.6	38.8	2.6	12.0	500.3	24.3	819.9		
SMDH 00232	31.7	56.5	201.6	11.0	51.4774	8.76008	1.38114	5.0	1.1	4.8	1.3	3.5	0.3	2.0	0.3	33.6	2.5	8.3	373.2	15.7	599.9		
SMDH 00232	32.4	53.0	190.4	10.3	52.289	8.87535	1.95662	4.8	0.8	5.2	1.1	3.8	0.3	2.5	0.6	30.4	2.6	9.8	416.2	22.9	674.8	0.5	1.4
SMDH 00232	35.9	57.5	213.1	11.4	58.8976	9.79746	1.26605	5.2	1.1	5.6	1.3	3.9	0.6	3.0	0.6	35.3	2.5	10.8	462.5	18.6	757.3		
SMDH 00232	44.2	95.8	201.3	24.0	81.1581	12.3333	1.95662	9.9	2.1	7.2	1.5	3.1	0.6	2.8	0.3	37.8	2.9	13.4	666.9	27.2	1026.6		
SMDH 00232	43.7	76.9	166.2	19.6	73.5061	10.489	1.49624	8.8	1.9	6.6	1.3	3.0	0.7	3.8	0.3	31.6	2.5	10.0	490.2	24.3	771.8		1.5
SMDH 00233	27.9	81.7	176.4	19.8	71.5351	10.3738	1.15095	8.4	1.9	4.4	0.8	2.3	0.3	2.4	0.3	33.0	2.0	9.1	455.9	20.0	796.8	0.8	
SMDH 00233	23.7	75.5	160.0	18.5	67.825	11.0654	1.15095	7.3	1.5	4.6	0.8	2.2	0.3	1.8	0.3	30.1	2.0	9.2	407.7	25.7	829.2		
SMDH 00233	19.3	81.6	171.9	20.3	70.2597	9.79746	1.49624	7.6	1.5	3.2	0.6	1.3	0.3	1.3	0.3	32.7	2.0	8.3	430.0	18.6	926.0		1.3
SMDH 00233	22.4	80.2	175.4	20.7	67.3612	12.1027	1.15095	8.4	1.4	4.0	0.6	1.6	0.3	1.5	0.3	34.0	2.2	9.0	423.2	18.6	865.0	0.6	
SMDH 00233	25.5	91.6	185.9	21.7	74.8973	12.5638	1.61133	8.8	2.1	4.8	0.7	1.8	0.3	1.5	0.3	34.9	2.7	9.1	450.5	44.3	811.3		1.3
SMDH 00233	26.7	68.9	145.4	16.1	58.3179	9.3364	1.61133	8.2	1.5	5.3	0.8	1.9	0.3	1.6	0.3	26.9	2.4	11.4	485.3	31.5	764.5		
SMDH 00233	37.9	59.8	189.4	15.0	48.463	10.1433	1.26605	7.4	1.1	5.3	0.8	3.5	0.3	2.5	0.3	30.7	2.4	8.0	383.8	20.0	856.1		
SMDH 00233	28.0	66.4	207.4	15.9	56.115	9.56693	1.15095	7.6	0.9	4.4	0.7	2.5	0.3	1.9	0.3	32.4	1.9	6.3	330.4	18.6	934.4	0.5	1.3
SMDH 00233	21.4	58.0	181.1	14.2	46.1442	9.45167	1.15095	6.5	0.8	4.1	0.3	1.9	0.3	1.3	0.3	29.0	1.8	6.0	308.5	15.7	767.3		
SMDH 00233	19.1	69.2	205.4	15.9	55.4194	12.3333	1.49624	8.1	0.8	3.4	0.6	1.1	0.3	0.9	0.3	32.5	2.0	7.1	328.8	21.5	877.6		
SMDH 00233	17.9	61.5	185.4	14.2	49.9702	8.52955	1.03586	6.2	0.9	3.6	0.3	1.6	0.3	1.0	0.3	30.4	1.8	6.5	312.3	14.3	721.1		1.3
SMDH 00233	16.7	71.1	213.9	15.0	50.7818	9.6822	1.03586	6.8	0.7	3.2	0.3	1.5	0.3	0.8	0.3	36.1	1.5	6.0	296.1	12.9	728.3	0.6	
SMDH 00233	24.6	90.3	261.3	20.3	67.1294	12.218	1.72643	7.1	1.1	4.5	0.8	1.9	0.3	1.5	0.3	37.7	1.9	8.1	407.1	25.7	923.6		
SMDH 00233	45.0	72.9	221.5	16.6	58.7817	10.9501	1.15095	7.6	1.1	6.6	1.1	4.1	0.3	2.5	0.3	35.4	2.4	6.1	333.5	14.3	934.4		1.3
SMDH 00233	19.5	50.8	152.2	12.0	42.7819	6.80059	0.80567	5.3	0.7	3.2	0.6	1.7	0.3	1.3	0.3	23.6	1.5	5.7	311.0	11.4	742.6		
SMDH 00233	16.0	26.7	52.3	5.8	21.9127	3.45793	2.18681	3.4	0.3	1.5	0.3	0.9	0.3	0.9	0.3	8.3	1.1	11.9	445.4	15.7	877.6	0.5	
SMDH 00233	40.8	67.9	149.1	17.3	60.5208	9.10587	0.80567	8.0	1.6	5.2	0.8	1.8	0.3	1.9	0.3	30.4	2.0	12.6	535.6	15.7	808.5		1.5
SMDH 00233	15.5	56.0	117.7	13.5	46.7239	9.45167	0.92076	5.6	1.1	2.3	0.3	0.8	0.3	0.8	0.3	23.1	1.9	12.7	524.5	14.3	786.7		
SMDH 00234	52.3	113.6	229.4	27.0	97.9694	17.5202	1.15095	13.1	2.8	5.8	1.1	2.7	0.3	2.4	0.3	47.2	3.8	19.5	797.8	12.9	501.5		
SMDH 00234	45.4	119.9	252.3	29.5	103.419	18.2117	0.92076	13.9	2.8	6.4	1.0	2.3	0.3	2.0	0.3	52.9	3.7	14.6	565.0	11.4	613.9	0.6	1.4
SMDH 00234	28.4	100.0	218.7	28.3	96.926	13.4859	1.61133	9.2	1.8	3.7	0.8	1.3	0.3	1.0	0.3	40.2	1.9	8.6	349.0	15.7	736.7		
SMDH 00234	22.3	72.0	146.5	16.3	57.7382	8.64482	1.95662	6.0	1.2	3.1	0.6	1.1	0.3	0.9	0.3	29.1	1.3	9.6	399.4	11.4	566.5		
SMDH 00234	28.3	103.4	210.4	25.5	87.6508	13.8317	2.18681	9.5	1.8	4.5	0.7	1.5	0.3	1.1	0.3	41.9	1.1	5.0	216.8	14.3	272.4		1.6
SMDH 00234	14.3	44.9	89.4	10.4	36.0574	6.33953	1.95662	3.8	0.9	2.3	0.3	0.8	0.3	0.7	0.3	17.5	0.8	5.5	225.7	15.7	354.6	0.6	
SMDH 00234	13.8	43.4	88.3	11.4	42.3182	6.109	0.80567	3.7	0.7	1.7	0.3	0.7	0.3	0.6	0.3	17.4	1.1	9.7	406.9	14.3	686.8		

ARK MINES LTD.

ASX ANNOUNCEMENT

2 October 2024

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00234	31.7	94.9	189.6	24.5	88.6942	10.489	1.38114	8.1	1.5	4.2	0.8	2.3	0.3	2.4	0.3	37.8	2.7	8.5	347.2	17.2	883.0		1.3
SMDH 00234	32.8	83.6	169.3	22.3	77.3321	10.489	1.03586	7.4	1.8	4.4	0.8	2.3	0.3	2.4	0.3	34.6	3.1	6.7	331.2	15.7	768.5		
SMDH 00234	32.3	91.2	184.3	24.3	86.4914	11.5264	1.38114	8.2	1.5	4.2	0.8	1.9	0.3	1.8	0.3	37.8	3.3	7.7	305.7	15.7	821.8	0.6	
SMDH 00234	20.4	73.3	251.5	16.9	63.883	11.0654	1.61133	7.0	0.9	4.0	0.6	1.6	0.3	0.9	0.3	27.6	2.7	5.3	226.3	21.5	503.6		1.3
SMDH 00234	13.4	34.4	114.7	8.2	33.0429	4.72583	1.38114	3.3	0.3	2.4	0.3	1.6	0.3	1.3	0.3	12.2	1.4	5.3	229.8	12.9	527.0		
SMDH 00234	12.7	65.5	235.0	15.4	64.8105	8.87535	1.61133	7.1	0.8	3.4	0.3	0.9	0.3	0.8	0.3	24.0	1.7	6.3	280.3	14.3	735.6		
SMDH 00234	11.5	55.3	189.7	13.1	51.7093	9.22114	1.38114	6.0	0.7	3.3	0.3	1.4	0.3	0.7	0.3	19.3	1.8	7.7	336.9	20.0	655.2	0.6	1.3
SMDH 00234	16.5	56.0	199.6	13.8	53.7962	8.0685	1.03586	6.9	0.6	3.4	0.6	1.8	0.3	1.1	0.3	20.7	1.8	6.0	257.1	14.3	548.2		
SMDH 00235	13.4	42.3	142.2	9.1	36.1733	5.87848	0.57548	4.6	0.3	3.2	0.6	1.5	0.3	1.1	0.3	15.6	2.0	3.8	174.0	12.9	502.9		
SMDH 00235	31.1	46.4	152.2	11.0	42.3182	6.22427	0.92076	5.8	0.8	5.2	0.9	3.5	0.6	2.8	0.3	15.2	3.5	7.7	370.4	17.2	542.9		1.3
SMDH 00235	32.2	50.0	169.3	10.6	43.3616	7.37691	1.26605	6.4	0.8	5.6	1.0	4.1	0.3	3.2	0.3	16.5	3.4	7.3	320.5	14.3	438.7	0.7	
SMDH 00235	41.1	42.8	152.8	10.4	38.6081	7.49218	1.38114	5.4	0.9	6.0	1.3	5.1	0.6	5.1	0.7	14.6	3.1	7.0	319.7	11.4	377.2		
SMDH 00235	41.6	62.3	155.4	12.5	46.3761	8.29903	1.03586	5.6	1.5	5.5	1.0	2.5	0.3	2.5	0.3	19.4	3.4	9.8	384.0	22.9	647.0		1.6
SMDH 00235	41.3	54.6	135.1	11.2	39.7675	6.4548	1.03586	5.3	1.3	5.0	1.0	2.7	0.3	2.7	0.6	16.6	3.2	6.7	304.7	15.7	494.5		
SMDH 00235	49.8	58.8	146.2	11.9	38.9559	7.26165	1.38114	5.5	1.5	5.4	1.1	3.5	0.7	3.1	0.6	18.5	3.5	6.4	280.0	17.2	501.3	0.6	
SMDH 00235	52.6	62.7	159.9	13.2	47.1876	7.7227	1.15095	6.0	1.5	5.6	1.0	2.9	0.6	3.5	0.3	20.0	3.9	12.6	551.7	14.3	575.8		1.7
SMDH 00235	41.6	40.6	83.7	9.6	31.3038	6.109	1.15095	4.0	0.7	4.8	1.3	4.8	0.9	8.0	1.0	13.2	4.4	34.1	179.0	16.2	389.6		
SMDH 00236	85.9	99.8	244.8	21.3	69.68	14.6386	1.84152	10.2	2.2	9.2	2.2	5.5	1.0	5.7	1.0	31.3	2.8	13.4	602.7	34.3	823.2		
SMDH 00236	126.4	46.8	130.2	9.7	31.4198	5.41742	1.61133	6.0	1.9	10.9	3.0	9.0	1.7	8.9	1.1	17.3	1.4	9.0	387.7	22.9	1043.2		
SMDH 00236	209.5	43.5	109.5	9.7	31.6517	7.03112	1.61133	7.1	3.1	19.4	4.9	13.9	2.7	17.0	3.0	14.9	2.1	20.8	882.9	41.5	1832.5		
SMDH 00236	97.8	39.6	99.4	8.5	26.7822	5.07163	1.72643	4.7	1.8	8.7	2.5	6.7	1.4	7.3	1.0	12.2	1.9	28.1	1173.6	57.2	1873.2		1.5
SMDH 00236	205.6	71.7	214.6	17.1	60.1729	12.4485	1.72643	11.2	2.6	24.9	7.5	25.9	3.8	27.0	3.9	25.4	2.5	19.9	979.6	38.6	1726.7	0.6	
SMDH 00236	23.6	24.9	69.2	6.0	20.4055	3.11213	1.95662	2.6	0.3	3.4	0.9	2.9	0.3	2.3	0.6	9.1	1.7	11.6	498.3	20.0	775.1		
SMDH 00236	22.4	36.8	106.8	8.2	31.8835	4.61057	2.18681	3.9	0.6	3.4	0.8	2.6	0.3	2.8	0.3	12.0	2.4	26.1	1113.6	32.9	1265.6		1.6
SMDH 00236	15.8	39.9	119.9	8.4	31.072	5.76321	2.07171	3.4	0.6	2.3	0.3	1.6	0.3	1.5	0.3	12.6	2.2	29.7	1222.1	40.1	1759.4		
SMDH 00237	15.5	48.0	154.5	10.7	43.3616	7.14638	1.49624	4.8	0.3	3.3	0.7	1.7	0.3	1.3	0.3	20.1	1.5	8.6	365.4	17.2	856.8	0.8	
SMDH 00237	11.7	54.5	163.2	13.3	46.1442	7.03112	0.80567	4.6	0.3	2.7	0.3	1.5	0.3	0.9	0.3	20.4	2.0	11.7	479.5	17.2	889.5		1.4
SMDH 00237	8.0	49.0	121.1	10.2	38.3762	4.72583	1.72643	3.4	0.3	1.5	0.3	0.8	0.3	0.7	0.3	10.3	0.6	3.2	178.7	22.9	735.8		
SMDH 00237	8.1	60.2	144.8	12.1	39.5356	5.76321	2.5321	3.4	0.3	1.4	0.3	0.6	0.3	0.6	0.3	10.8	0.8	4.4	215.2	37.2	448.0		
SMDH 00237	17.9	72.8	210.8	16.8	62.8396	10.3738	1.61133	6.0	0.7	4.0	0.7	2.1	0.3	1.3	0.3	24.2	1.8	9.4	379.3	22.9	690.0	0.7	1.5
SMDH 00237	20.0	104.8	208.9	21.3	76.8683	10.7196	1.03586	7.3	1.6	3.0	0.3	0.8	0.3	0.9	0.3	38.0	2.5	8.5	268.0	18.6	603.6		
SMDH 00237	16.2	50.7	99.2	10.0	43.0138	6.33953	0.80567	4.7	0.9	2.1	0.3	1.0	0.3	1.1	0.3	18.5	1.5	5.8	181.8	14.3	466.0		
SMDH 00237	10.0	64.9	133.4	12.4	48.9267	7.26165	0.92076	5.4	0.9	2.6	0.3	0.6	0.3	0.3	0.3	25.3	1.3	3.3	115.6	8.6	321.9		1.5
SMDH 00237	20.7	64.2	132.6	13.6	48.9267	8.18376	0.80567	5.8	0.9	2.9	0.3	1.3	0.3	1.0	0.3	25.8	2.1	5.5	179.8	11.4	355.1	0.5	
SMDH 00237	20.9	49.7	101.1	10.7	14.3766	5.64795	1.03586	4.4	0.9	3.1	0.3	1.4	0.3	1.3	0.3	19.9	2.2	10.8	277.9	17.2	530.5		
SMDH 00237	8.0	33.7	68.9	6.2	26.4344	4.26478	0.92076	2.6	0.3	1.4	0.3	0.8	0.3	0.3	0.3	12.4	1.3	6.7	219.5	12.9	428.4		1.5
SMDH 00237	6.0	27.0	58.0	5.5	20.6373	3.34266	0.69057	2.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	10.0	1.1	8.0	277.9	21.5	554.8		
SMDH 00237	24.5	109.4	197.0	20.3	81.6219	9.10587	1.61133	8.1	1.5	4.5	0.6	1.4	0.3	1.4	0.3	27.9	2.6	9.0	275.4	48.6	579.3	0.5	
SMDH 00237	13.7	53.9	110.9	10.9	41.0428	6.22427	0.92076	5.3	0.8	2.5	0.3	0.7	0.3	0.6	0.3	21.9	1.9	8.1	265.7	18.6	574.9		1.4
SMDH 00237	32.1	99.0	242.7	20.2	69.4482	12.7943	2.18681	7.8	1.3	3.6	0.7	3.2	0.3	2.4	0.3	20.8	1.3	7.4	346.9	57.2	1102.1		
SMDH 00238	7.0	40.2	97.4	7.9	29.101	5.07163	0.57548	2.6	0.3	1.0	0.3	0.3	0.3	0.3	0.3	11.0	1.2	5.8	275.8	21.5	602.9		
SMDH 00238	26.9	32.6	88.1	7.4	26.2025	6.80059	0.80567	5.2	1.2	3.8	0.6	2.5	0.3	1.6	0.3	7.0	0.9	2.1	77.9	22.9	726.9	0.6	1.4
SMDH 00238	61.0	40.4	82.9	11.4	41.7385	9.45167	1.49624	7.4	1.8	7.4	1.4	3.9	0.3	2.7	0.3	9.2	1.3	7.8	68.6	8.6	387.5		
SMDH 00238	57.5	71.8	162.8	19.9	66.0859	13.0249	1.61133	10.2	2.1	7.4	1.4	3.5	0.6	2.8	0.3	28.0	1.9	4.2	39.0	14.3	537.7		
SMDH 00238	58.0	28.7	63.7	8.3	30.1444	7.83797	1.61133	6.4	1.6	7.1	1.4	4.1	0.6	3.2	0.3	10.8	1.1	5.2	53.6	10.0	443.6		1.5
SMDH 00238	26.6	56.4	119.9	14.8	49.8543	8.18376	1.61133	6.3	1.2	4.0	0.6	1.8	0.3	1.1	0.3	20.9	1.7	10.0	238.4	15.7	730.0	1.2	
SMDH 00238	11.4	43.1	86.0	10.4	34.782	5.87848	1.95662	3.9	0.7	1.9	0.3	0.7	0.3	0.3	0.3	16.0	0.8	8.3	246.1	10.0	604.1		
SMDH 00238	37.3	44.1	94.1	12.5	41.7385	9.45167	1.95662	5.8	1.3	5.0	0.9	2.5	0.3	2.2	0.3	18.7	2.8	10.6	243.8	12.9	1201.4		1.5
SMDH 00238	10.5	35.0	71.3	8.4	28.985	4.8411	2.07171	2.6	0.3	1.6	0.3	0.6	0.3	0.3	0.3	12.9	0.7	7.5	271.2	10.0	593.8		
SMDH 00255	26.0	79.5	133.4	19.3	64.9265	11.2959	3.22267	7.2	1.2	4.1	0.7	1.7	0.3	1.3	0.3	23.2	1.5	6.7	197.4	8.6	464.4	1.6	
SMDH 00255	25.5	50.1	100.3	13.3	44.0573	7.37691	1.84152	5.5	1.2	3.7	0.6	1.5	0.3	1.0	0.3	16.2	1.1	4.2	138.3	7.2	485.4		1.5
SMDH 00255	20.7	106.1	203.9	24.9	85.7957	13.947	2.07171	8.9	1.1	4.0	0.7	1.9	0.3	0.8	0.3	38.6	1.8	7.1	162.1	10.0	633.5		
SMDH 00255	14.2	86.6	165.9	19.3	67.2453	12.1027	2.18681	6.5	0.7	2.6	0.3	1.1	0.3	0.8	0.3	31.6	1.3	5.4	145.3	7.2	506.0		
SMDH 00255	5.1	55.9	102.6	12.1	42.8979	7.7227	1.95662	3.9	0.3	1.5	0.2	0.3	0.3	0.3	0.3	19.2	0.7	3.9	127.5	11.4	374.9	1.0	1.8
SMDH 00255	12.0	100.0	186.8	22.2	77.6799	12.3333	2.07171	7.2	0.7	2.7	0.2	1.0	0.3	0.9	0.3	36.1	1.2	4.6	137.6	14.3	477.0		
SMDH 00255	7.9	82.4	160.6	19.0	63.7671	10.8348	1.95662	5.3	0.3	2.2	0.2	0.6	0.3	0.3	0.3	30.9	0.9	5.2	99.1	5.7	363.9		
SMDH 00254	21.5	111.0	262.5	25.3	86.9551	15.0996	2.76229	8.4	0.9	4.6	0.7	2.1	0.3	1.4	0.3	35.3	1.8	6.6	275.0	14.3	1011.9		1.5
SMDH 00254	27.2	160.1	273.9	35.1	120.578	19.9407	2.99248	12.7	1.3	5.8	0.8	1.9	0.3	1.0	0.3	54.2	2.5	8.0	222.5	10.0	560.6	1.4	
SMDH 00254	23.3	109.9	204.8	23.5	79.9987	13.2554	2.18681	7.4	0.9	4.4	0.6	1.6	0.3	0.9	0.3	39.3	1.8	4.5	191.1	7.2	356.7		1.5
SMDH 00254	17.2	65.4	136.6	15.5	53.3325	9.3364	1.95662	5.2	0.8	2.4	0.3	0.7	0.3	0.3	0.3	25.9	1.2	5.7	233.0	12.9	484.2		
SMDH 00254	11.3	72.5	144.0	16.7	57.9701	8.64482	2.30191	5.6	0.8	1.9	0.3	0.3	0.3	0.3	0.3	26.0	1.3	14.3	426.6	40.1	924.3	1.2	
SMDH 00254	37.6	68.6	138.8	15.7	56.8107	9.91272	1.95662	6.6	1.3	4.2	0.9	2.2	0.3	1.6	0.3	29.3	1.3	8.6	329.3	24.3	765.9		1.5
SMDH 00254	22.7	74.0	151.7	18.1	59.1295	11.0654	1.72643	6.4	1.2	3.6	0.6	1.1	0.3	0.7	0.3	30.4	1.4	7.9	344.0	24.3	981.3		
SMDH 00254	8.7	30.2	60.6	7.0	22.0286	3.57319	2.07171	2.3	0.3	1.3	0.3	0.3	0.3	0.6	0.3	10.2	0.7	6.7	294.3	21.5	861.0		
SMDH 00253	43.3	100.4	207.0	23.9	82.3175	13.4859	1.84152	9.2	1.8	4.9	0.8	1.9	0.3	1.9	0.3	38.2	2.4	13.6	532.5	20.0	965.4	1.9	1.6
SMDH 00253	6.8	11.0	22.4	2.5	8.11581	1.38317	1.26605	0.9	0.3	0.7	0.3	0.2	0.3	0.3	0.3	2.6	0.5	11.2	474.5	17.2	690.0		
SMDH 00253	8.0	42.4	87.9	9.7	35.9414	5.76321	1.49624	3.3	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.4	0.7	9.9	441.6	20.0	822.9		
SMDH 00253	21.3	78.1	165.9	18.6	66.0859	11.1806	1.49624	5.8	1.1	2.7	0.6	1.3	0.3	1.1	0.3	31.2	1.5	11.8	530.3	21.5	851.4		1.6
SMDH 00253	20.9	64.6	134.3	15.1	54.4919	9.10587	1.38114	5.3	0.8	2.7	0.3	1.7	0.3	1.1	0.3	27.3	1.1	8.3	336.1	15.7	958.2	1.3	
SMDH 00253	20.3	61.8	125.0	13.7	48.6949	7.83797	1.61133	5.0	0.8	2.7	0.3	1.4	0.3	0.8	0.3	23.5	0.8	7.2	304.2	17.2	645.2		
SMDH 00252	43.5	73.9	159.7	16.8	57.9701	11.4112	1.95662	7.3	1.2	5.3	0.9	3.2	0.3	2.5	0.3	26.1	2.7	7.0	333.0	10.0	411.1		1.6

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00252	35.7	65.9	118.1	14.9	51.0137	9.10587	3.33776	6.2	1.1	4.1	0.7	2.6	0.3	1.4	0.3	21.8	2.1	3.7	127.1	8.6	275.4		
SMDH 00252	41.3	60.5	118.9	13.9	47.5355	9.6822	2.5321	6.3	1.2	4.9	0.8	2.9	0.3	2.3	0.3	21.3	2.5	3.4	123.5	14.3	618.8	1.6	
SMDH 00252	25.3	29.6	56.9	6.6	22.0286	4.72583	1.72643	3.7	0.7	2.5	0.6	2.1	0.3	1.3	0.3	10.4	1.3	3.7	82.4	4.3	192.5		1.8
SMDH 00252	19.5	37.9	72.3	7.1	26.6662	6.109	1.49624	3.7	0.3	2.1	0.3	1.1	0.3	0.9	0.3	12.0	1.2	4.1	127.2	4.3	209.5		
SMDH 00252	16.6	32.8	61.5	7.3	24.9271	5.41742	2.18681	3.7	0.6	2.9	0.6	1.0	0.3	0.3	0.3	10.7	4.1	18.3	121.8	9.2	153.2		
SMDH 00251	50.1	152.7	319.1	36.0	125.215	23.1681	1.72643	15.0	2.3	7.2	1.0	2.9	0.3	1.9	0.3	60.5	4.0	9.8	378.5	12.9	573.5	1.6	1.6
SMDH 00251	27.0	126.9	254.7	30.0	102.027	19.8254	1.38114	13.2	1.8	4.9	0.6	1.5	0.3	0.6	0.3	48.0	3.4	9.3	397.9	32.9	1218.6		
SMDH 00251	27.1	126.6	261.6	31.5	110.143	19.4797	1.84152	12.7	2.2	5.0	0.8	1.1	0.3	0.7	0.3	48.0	2.9	10.5	482.2	22.9	1025.0		
SMDH 00251	17.1	60.5	126.0	14.5	49.8543	9.10587	1.72643	5.7	0.9	2.6	0.3	0.7	0.3	0.6	0.3	22.4	1.5	10.7	461.2	20.0	902.1		1.4
SMDH 00251	29.0	37.4	74.9	8.9	32.4632	5.87848	1.38114	4.2	0.9	2.9	0.6	1.4	0.3	1.4	0.3	13.5	1.7	9.8	507.2	24.3	972.0	1.4	
SMDH 00251	31.1	53.9	115.4	13.3	47.5355	8.18376	1.72643	6.5	1.4	4.1	0.7	1.6	0.3	1.4	0.3	19.5	1.5	6.3	347.7	25.7	925.5		
SMDH 00251	25.7	76.7	178.6	19.7	66.0859	11.9875	1.72643	8.6	1.1	4.9	0.9	3.1	0.3	2.4	0.3	31.0	1.9	15.4	301.5	25.7	948.4		1.5
SMDH 00251	13.8	70.1	138.3	16.6	59.1295	10.1433	1.03586	6.6	0.7	2.9	0.6	1.5	0.3	0.9	0.3	24.4	2.2	11.8	312.7	21.5	909.4		
SMDH 00251	13.4	94.0	188.9	23.2	77.6799	13.947	0.92076	9.3	0.8	3.2	0.6	1.1	0.3	0.7	0.3	35.7	2.7	11.2	344.5	25.7	1002.1	1.6	
SMDH 00251	12.5	90.1	184.7	22.0	73.0423	14.5233	0.80567	8.8	0.8	3.4	0.3	1.3	0.3	0.6	0.3	34.5	2.4	11.2	361.3	24.3	1005.1		1.3
SMDH 00251	18.1	83.1	170.3	20.5	66.0859	13.2554	1.26605	7.9	0.9	3.6	0.7	2.1	0.3	1.3	0.3	31.7	2.6	9.6	358.6	22.9	846.5		
SMDH 00251	16.0	75.0	153.4	18.6	61.4483	10.9501	0.80567	7.3	0.8	3.3	0.6	1.6	0.3	1.3	0.3	30.9	2.6	11.6	452.7	25.7	966.4		
SMDH 00251	18.0	55.0	111.3	13.5	45.2167	8.52955	0.92076	6.4	0.7	3.6	0.7	1.7	0.3	1.0	0.3	21.5	2.1	10.8	375.8	21.5	1074.0	1.4	1.3
SMDH 00251	12.8	81.4	165.0	19.6	66.0859	12.4485	1.15095	7.1	0.8	2.7	0.6	1.5	0.3	0.9	0.3	31.3	2.4	12.3	458.2	22.9	879.5		
SMDH 00251	11.9	78.9	146.8	17.2	57.9701	9.91272	1.84152	6.6	0.7	2.6	0.3	1.3	0.3	0.6	0.3	26.0	1.5	9.9	330.3	25.7	735.8		
SMDH 00250	37.9	73.4	150.1	17.4	59.0135	12.1027	1.49624	7.8	1.1	5.8	1.3	3.3	0.7	3.6	0.3	27.7	3.1	16.3	501.6	27.6	608.5		
SMDH 00250	29.7	92.8	207.7	22.8	81.1581	13.947	1.03586	9.6	1.8	4.6	0.7	1.6	0.3	1.1	0.3	42.2	2.6	9.7	304.7	15.7	490.8	1.4	
SMDH 00250	19.5	78.4	171.0	19.0	63.7671	11.0654	0.92076	7.7	1.1	3.0	0.3	1.0	0.3	1.0	0.3	32.4	2.7	10.6	428.9	22.9	883.9		
SMDH 00250	10.6	57.6	124.9	14.4	49.8543	8.87535	1.61133	5.3	0.9	2.1	0.3	0.7	0.3	0.3	0.3	24.9	1.5	8.4	220.5	18.6	736.3		1.4
SMDH 00250	10.4	44.3	94.2	10.6	35.9414	6.22427	1.61133	4.0	0.8	1.7	0.3	0.3	0.3	0.3	0.3	18.1	0.9	8.7	234.9	12.9	610.6		
SMDH 00250	25.3	91.6	198.7	22.3	77.6799	13.6012	1.72643	9.6	1.9	4.8	0.7	1.3	0.3	0.8	0.3	38.5	2.7	9.8	334.7	32.9	1062.4	1.3	
SMDH 00250	20.9	87.0	193.7	21.7	75.3611	12.6791	1.38114	9.2	1.8	4.0	0.6	0.8	0.3	0.3	0.3	37.8	2.7	8.1	310.4	25.7	1129.4		1.3
SMDH 00250	13.1	82.4	133.9	18.5	62.6077	12.3333	1.15095	7.1	0.8	2.7	0.3	0.8	0.3	1.0	0.3	23.2	2.8	7.8	221.3	20.0	880.4		
SMDH 00250	11.9	75.9	167.1	18.4	66.0859	10.489	1.38114	6.2	1.2	2.4	0.3	0.6	0.3	0.3	0.3	31.2	1.8	7.2	293.9	22.9	992.8	1.2	1.3
SMDH 00250	12.0	121.1	245.5	27.5	93.9115	15.4454	1.26605	10.9	1.8	3.9	0.3	0.9	0.3	0.3	0.3	46.4	2.5	10.0	318.4	14.3	837.4		
SMDH 00250	10.1	93.3	181.4	20.5	68.4047	10.9501	2.07171	7.4	1.3	2.6	0.3	0.9	0.3	0.3	0.3	30.5	1.7	9.3	332.7	25.7	854.7		
SMDH 00250	10.9	104.4	204.8	24.0	77.6799	14.408	1.61133	8.9	1.4	3.6	0.3	1.1	0.3	0.3	0.3	36.8	2.4	9.2	293.0	20.0	927.4		1.6
SMDH 00249	39.8	113.7	241.5	27.9	95.0709	18.327	1.38114	12.7	2.5	8.2	1.4	4.7	0.3	2.7	0.3	56.1	3.1	12.6	455.1	22.9	899.8	1.6	
SMDH 00249	36.5	81.5	178.0	20.3	73.0423	14.5233	1.61133	9.7	1.9	6.2	1.3	4.1	0.3	2.7	0.3	43.2	2.4	11.4	407.4	22.9	927.4		
SMDH 00249	38.3	83.3	176.7	20.5	69.5641	13.947	1.61133	8.6	1.9	6.4	1.3	4.0	0.3	2.7	0.3	41.7	2.5	9.7	316.0	24.3	809.9		1.5
SMDH 00249	54.2	83.2	179.9	20.7	75.3611	14.1775	1.49624	10.5	2.1	8.5	1.7	6.5	0.9	5.3	0.7	40.3	4.0	9.1	385.7	27.2	927.4		
SMDH 00249	49.9	100.4	217.8	25.0	82.3175	16.5981	1.61133	11.3	2.1	8.7	1.6	6.5	0.8	4.3	0.7	47.8	4.0	11.0	379.3	25.7	927.4	0.9	
SMDH 00248	40.0	104.5	237.2	25.7	89.2739	16.9438	1.72643	10.9	2.2	7.9	1.4	4.9	0.6	3.6	0.3	45.3	2.8	17.0	516.7	22.9	1344.8		1.4
SMDH 00248	74.8	109.3	241.8	27.5	97.3897	17.5202	1.95662	11.7	2.6	8.4	1.6	4.8	0.7	3.3	0.3	46.9	2.8	13.2	466.2	28.6	1330.1		
SMDH 00248	60.8	118.1	254.2	28.7	94.1434	17.9812	1.95662	11.7	1.5	9.2	1.9	5.1	0.9	6.0	0.8	46.6	3.9	12.5	287.9	33.2	810.6		1.6
SMDH 00248	76.7	110.1	229.9	27.5	93.9115	16.3675	1.95662	10.7	2.6	8.6	1.6	5.1	0.6	3.1	0.3	44.2	3.3	13.2	432.4	32.9	1154.9	1.0	1.5
SMDH 00248	93.8	134.4	248.7	32.5	117.1	18.0965	2.87738	11.6	2.3	9.3	1.9	6.4	0.9	5.7	0.7	38.7	3.1	13.2	458.6	52.9	1093.4		
SMDH 00248	93.7	85.8	178.7	21.3	75.3611	14.1775	1.49624	8.9	2.1	8.7	1.9	6.8	0.9	4.5	0.7	35.3	2.7	13.1	365.8	34.3	915.4		
SMDH 00248	105.7	95.4	188.7	20.4	68.4047	13.7164	1.38114	9.6	2.3	10.2	2.2	7.9	1.0	5.3	0.8	38.8	3.3	12.4	463.1	27.2	1047.4		1.6
SMDH 00248	110.9	96.8	206.4	22.9	84.6363	13.4859	1.49624	10.4	2.5	9.6	2.3	7.9	1.0	5.7	0.7	40.5	3.3	13.3	436.6	32.9	1290.1	1.5	
SMDH 00248	96.7	98.3	210.2	24.4	90.4333	14.5233	1.38114	11.5	2.5	9.4	1.9	7.2	0.9	5.1	0.7	41.7	3.1	10.4	383.1	25.7	1124.3		
SMDH 00248	78.7	115.9	245.6	28.5	102.027	17.0591	1.95662	11.8	2.5	8.5	1.7	5.4	0.8	3.9	0.7	50.5	2.8	14.3	493.2	32.9	1274.7		1.5
SMDH 00248	70.3	120.8	255.0	29.5	100.868	18.327	1.38114	11.6	2.7	8.0	1.6	5.1	0.7	3.8	0.6	48.9	2.7	13.3	548.3	24.3	1511.3		
SMDH 00248	33.3	104.4	231.3	25.2	83.4769	14.5233	1.95662	9.9	1.3	6.8	1.0	3.7	0.3	2.8	0.6	44.4	2.8	14.9	639.7	28.6	1603.6	1.4	
SMDH 00248	30.5	95.5	207.7	21.9	75.3611	13.3707	1.84152	9.1	1.3	6.3	1.1	3.5	0.3	2.7	0.3	38.2	2.7	13.3	505.9	22.9	970.8		1.4
SMDH 00247	36.1	109.5	261.9	27.4	89.2739	17.5202	1.61133	12.0	1.4	6.9	1.1	4.0	0.3	3.0	0.3	50.0	2.7	12.0	525.3	28.6	1179.2		
SMDH 00247	33.5	91.4	198.4	22.2	59.1295	11.9875	1.84152	10.3	1.3	6.6	1.3	4.7	0.6	4.0	0.3	36.8	2.2	26.7	486.2	28.6	1186.6		
SMDH 00247	42.6	79.2	161.9	19.1	60.2889	13.947	1.49624	9.5	1.2	7.4	1.5	4.6	0.7	4.7	0.9	36.5	2.4	12.4	509.0	25.7	1072.6	1.3	1.6
SMDH 00247	44.1	76.5	154.6	17.5	59.1295	12.7943	1.49624	8.6	1.2	6.6	1.4	5.4	0.7	4.3	0.7	34.6	2.2	13.1	609.3	28.6	1273.8		
SMDH 00247	39.9	86.8	177.4	20.7	68.4047	15.4454	1.95662	10.0	1.2	6.3	1.5	4.6	0.6	3.9	0.7	40.9	2.6	11.4	489.1	25.7	1126.4		
SMDH 00247	42.5	90.1	183.0	20.8	69.5641	14.7538	1.49624	10.0	1.3	7.0	1.4	5.1	0.6	3.9	0.6	40.9	2.9	9.3	477.0	28.6	1136.4		1.6
SMDH 00247	29.9	81.1	173.1	19.5	66.0859	13.3707	1.61133	10.2	1.2	5.6	1.0	3.4	0.3	2.7	0.3	39.1	2.4	12.6	467.8	24.3	1005.6	1.2	
SMDH 00247	45.9	110.2	218.7	24.7	79.9987	16.5981	1.84152	11.0	1.4	7.4	1.5	5.0	0.6	3.6	0.6	43.6	3.8	11.3	575.3	40.1	1220.0		
SMDH 00247	48.3	104.6	212.9	22.8	77.6799	17.7507	1.95662	10.8	1.4	8.4	1.6	5.8	0.7	5.0	0.6	43.5	3.2	10.3	420.4	27.2	1243.6		1.5
SMDH 00247	42.6	109.2	298.0	23.3	79.9987	16.5981	1.38114	12.1	1.1	8.2	2.2	3.9	0.8	4.4	0.3	45.0	3.8	12.0	710.9	21.5	1059.3		
SMDH 00247	41.7	115.1	225.9	26.2	91.5927	20.056	1.49624	13.5	2.1	7.0	1.3	2.2	0.3	1.8	0.3	52.0	2.5	15.9	616.6	18.6	812.4	1.2	
SMDH 00247	34.0	98.0	187.3	22.6	76.5205	17.4049	1.61133	11.9	1.6	5.8	0.9	1.7	0.3	1.4	0.3	45.0	1.9	13.1	424.2	15.7	729.5		1.5
SMDH 00247	44.1	84.0	164.0	19.9	69.5641	14.7538	1.38114	10.9	1.8	6.2	1.1	2.5	0.3	2.8	0.3	41.1	2.1	15.6	634.2	18.6	799.3		
SMDH 00247	56.3	104.6	199.9	23.9	83.4769	19.4797	1.61133	12.3	2.2	7.9	1.6	3.1	0.3	3.5	0.3	45.2	2.9	17.3	683.8	24.3	1046.2		
SMDH 00247	33.5	73.6	139.2	15.6	56.8107	12.218	1.15095	8.6	1.3	4.9	1.0	1.8	0.3	2.2	0.3	31.2	1.4	12.3	328.2	15.7	666.2	1.1	1.6
SMDH 00246	31.8	75.1	142.9	16.0	56.8107	12.5638	1.03586	8.8	1.4	4.8	0.9	1.7	0.3	2.0	0.3	32.1	1.8	10.8	332.3	10.0	452.0		
SMDH 00246	34.9	84.7	156.0	18.7	66.0859	13.6012	1.38114	9.6	1.4	5.8	0.9	1.8	0.3	1.9	0.3	34.9	1.8	14.7	448.6	27.2	797.2		
SMDH 00246	30.2	95.6	223.7	18.5	61.4483	11.2959	1.61133	8.6	1.3	6.1	0.9	4.0	0.7	3.5	0.3	35.4	2.1	17.5	584.6	20.0	777.6	1.3	
SMDH 00246	52.3	135.9	312.7	32.9	100.868	19.4797	2.07171	15.1	2.0	8.1	1.6	4.0	0.6	3.5	0.6	57.5	2.9	16.4	508.7	25.7	1009.6		
SMDH 00246	53.7	98.2	226.0	23.7	79.9987	14.5233	1.61133	11.2	1.8	7.8	1.5	4.8	0.7	4.2	0.7	42.4	2.6	13.8	458.6	25.7	1072.2		1.4
SMDH 00246	53.9	93.2	212.3	22.1	68.4047	12.6791	1.61133	11.5	1.6	7.6	1.5	4.9	0.7	5.0	0.8	40.0	2.7	14.4	443.3	25.7	916.6		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00246	47.9	88.1	203.1	22.2	68.4047	14.0622	1.49624	10.8	1.4	7.2	1.5	4.7	0.7	4.3	0.7	37.9	3.1	13.6	425.1	22.9	984.3	0.9	
SMDH 00245	66.7	194.2	439.1	47.4	153.041	29.2771	1.84152	21.2	3.1	11.0	1.9	5.4	0.6	4.2	0.6	87.0	4.6	14.2	576.3	15.7	909.1		1.5
SMDH 00245	63.2	165.4	369.3	39.2	127.534	20.517	2.07171	15.4	2.1	9.0	1.7	5.2	0.7	4.9	0.8	70.4	3.3	18.5	553.3	22.9	1052.1		
SMDH 00245	38.4	89.5	202.1	21.6	69.5641	11.6417	1.26605	7.6	1.3	5.0	1.0	3.1	0.3	3.1	0.3	39.1	1.8	12.0	324.3	15.7	836.3		
SMDH 00245	32.6	82.0	195.0	20.4	64.9265	12.3333	1.26605	8.2	1.2	5.4	0.9	2.5	0.3	2.4	0.3	38.5	1.8	12.1	340.5	17.2	768.5	1.3	1.5
SMDH 00245	39.5	95.5	220.5	23.3	75.3611	14.0622	1.61133	10.0	1.4	5.5	1.0	3.4	0.3	3.2	0.3	45.8	2.1	10.3	330.8	18.6	836.3		
SMDH 00245	25.2	86.9	170.6	20.8	67.2453	13.2554	1.26605	9.5	0.9	4.8	0.9	2.9	0.3	2.8	0.3	41.2	1.9	10.3	430.1	21.5	950.7		
SMDH 00245	20.7	126.2	235.3	28.1	89.2739	15.2149	1.38114	11.7	0.9	3.9	0.7	2.1	0.3	1.5	0.3	51.7	2.2	14.2	502.1	30.0	1378.4		1.4
SMDH 00245	17.0	113.3	209.9	24.4	84.6363	14.6386	1.72643	10.7	0.9	3.8	0.6	1.5	0.3	1.0	0.3	43.7	1.9	8.6	355.9	37.2	998.6	4.3	
SMDH 00245	17.9	92.8	174.1	21.1	68.4047	11.2959	1.61133	9.3	0.8	3.8	0.6	1.9	0.3	1.7	0.3	40.3	1.9	8.1	322.3	20.0	956.8		
SMDH 00245	18.2	102.2	187.3	22.5	77.6799	12.6791	1.38114	11.0	0.9	4.8	0.7	1.8	0.3	1.3	0.3	42.6	2.1	12.6	438.5	20.0	915.0		1.5
SMDH 00245	22.1	111.1	203.1	24.1	79.9987	14.0622	1.38114	10.1	0.9	4.7	0.8	2.4	0.3	2.0	0.3	44.1	2.1	9.9	348.6	21.5	1106.3		
SMDH 00245	25.3	102.9	234.7	21.5	70.7235	13.947	1.49624	9.9	0.9	5.2	0.9	2.7	0.3	2.2	0.3	38.0	2.1	13.8	519.2	22.9	989.7	1.2	
SMDH 00245	41.6	142.5	280.8	30.9	107.824	19.1339	1.26605	15.0	1.5	7.8	1.4	4.6	0.7	3.8	0.6	60.1	3.9	15.2	617.6	27.2	1294.6		1.3
SMDH 00244	38.3	98.4	184.3	22.1	74.2017	14.1775	1.49624	11.5	1.3	6.4	1.4	4.3	0.7	3.9	0.6	44.4	3.1	12.4	391.6	24.3	1016.6		
SMDH 00244	62.1	127.0	287.1	33.5	105.737	21.2086	2.18681	14.0	1.9	10.1	2.1	5.1	0.9	5.3	0.7	58.8	5.8	12.9	438.2	31.9	900.5		
SMDH 00244	57.0	113.9	258.6	23.7	75.3611	15.0996	1.61133	11.9	1.3	10.3	2.1	7.6	1.7	6.5	0.7	40.7	4.1	18.3	650.0	22.9	1188.5	0.4	1.5
SMDH 00244	52.3	116.3	253.2	23.3	79.9987	16.0217	1.72643	11.7	1.4	7.0	1.6	6.3	1.4	5.5	0.3	37.9	4.5	13.1	573.4	21.5	5401.8		
SMDH 00244	49.9	120.2	279.7	26.5	83.4769	17.4049	1.72643	11.9	1.3	8.9	2.1	5.9	1.1	5.2	0.3	42.8	3.7	13.9	544.0	31.5	1264.4		
SMDH 00244	38.8	115.3	262.9	24.1	75.3611	16.4828	2.07171	11.9	1.2	8.0	1.7	4.5	0.9	3.6	0.3	39.9	3.1	16.4	498.9	32.9	1311.1		1.4
SMDH 00244	33.8	113.9	277.5	36.0	115.94	20.4018	2.87738	12.4	1.5	8.1	1.3	3.9	0.3	2.0	0.3	47.6	3.2	11.7	481.6	44.3	1201.8	1.0	
SMDH 00244	33.7	108.5	223.2	26.3	84.6363	16.137	2.417	9.4	1.3	7.0	1.1	3.8	0.3	2.8	0.3	38.8	2.6	10.8	417.0	28.6	1086.0		
SMDH 00244	58.2	99.7	216.1	25.3	86.9551	16.9438	1.95662	11.6	1.6	9.7	1.9	7.1	0.9	4.9	0.9	41.2	3.4	12.1	439.3	27.2	1188.0		1.5
SMDH 00244	52.8	93.9	206.1	23.7	79.9987	15.5607	1.72643	10.3	1.3	8.1	1.8	6.6	0.7	4.5	0.9	39.1	3.2	11.4	437.4	25.7	1050.2		
SMDH 00244	49.6	81.7	181.5	22.1	71.8829	13.6012	1.84152	8.5	1.2	7.8	1.6	5.6	0.7	4.7	0.8	33.0	2.6	162.1	397.8	25.7	868.3	1.0	
SMDH 00244	38.3	76.9	171.3	19.8	66.0859	11.757	1.38114	7.8	1.2	6.5	1.4	4.3	0.6	3.3	0.7	33.2	2.1	11.0	406.3	15.7	821.3		1.4
SMDH 00244	39.9	126.6	270.7	32.2	103.187	19.0186	1.84152	12.0	1.5	8.4	1.6	4.8	0.6	3.5	0.7	50.2	3.1	13.2	477.9	27.2	1455.3		
SMDH 00244	36.0	122.0	262.4	31.2	103.187	18.2117	1.72643	10.7	1.3	7.1	1.3	4.3	0.3	3.4	0.7	49.2	2.9	12.9	532.8	27.2	1466.5		
SMDH 00243	44.1	163.4	369.3	43.2	140.288	25.2429	1.49624	15.0	2.0	9.4	1.6	4.6	0.6	3.3	0.6	70.3	4.5	20.0	907.3	14.3	719.5	1.4	1.5
SMDH 00243	43.1	133.1	283.3	34.0	108.984	21.6697	1.61133	11.2	2.2	6.5	1.1	3.0	0.3	2.8	0.3	54.9	2.7	9.7	420.9	15.7	624.2		
SMDH 00243	52.1	178.1	394.6	47.4	148.403	29.1619	1.95662	16.0	2.8	8.8	1.6	3.9	0.6	3.2	0.3	78.9	3.3	11.2	489.9	21.5	929.7		
SMDH 00243	50.4	152.1	329.7	40.2	125.215	22.7071	1.84152	13.5	2.7	7.8	1.4	3.7	0.6	3.3	0.3	60.5	2.5	10.7	428.1	32.9	1028.0		1.6
SMDH 00243	64.4	170.4	384.3	44.6	152.925	25.4734	1.84152	14.9	1.8	10.1	2.2	5.7	1.0	6.4	0.8	77.2	2.8	9.1	477.4	25.7	811.3		
SMDH 00243	49.4	141.9	320.1	38.7	117.1	22.9376	1.95662	13.6	2.7	7.1	1.5	3.5	0.6	2.8	0.3	61.7	2.2	13.7	578.4	30.0	1185.9		
SMDH 00243	46.8	155.3	345.4	42.5	128.694	23.0528	1.61133	14.6	2.7	8.5	1.5	3.3	0.3	3.3	0.3	64.5	2.5	11.0	471.4	21.5	1079.9		1.5
SMDH 00243	57.8	165.2	367.0	43.7	137.969	27.0871	1.61133	15.6	3.2	9.4	1.6	4.1	0.7	3.9	0.3	74.3	2.8	14.0	569.6	27.2	1227.3		
SMDH 00243	55.6	139.0	313.2	37.2	112.462	20.8628	1.72643	13.1	2.7	8.1	1.6	4.1	0.6	3.8	0.3	61.0	2.2	11.1	558.3	22.9	1066.8		1.4
SMDH 00242	50.4	124.2	283.3	34.0	104.346	20.517	1.72643	13.3	2.7	7.7	1.5	3.8	0.6	3.6	0.3	51.2	3.5	19.2	851.9	17.2	652.4		
SMDH 00242	71.4	324.1	676.7	80.1	266.662	43.9157	2.30191	32.9	3.4	15.8	2.4	6.8	0.8	5.1	0.8	163.4	7.0	16.9	825.7	14.3	890.7		
SMDH 00242	42.3	113.4	244.3	27.3	91.5927	17.2896	1.38114	12.1	1.2	7.6	1.4	4.1	0.3	2.7	0.3	54.6	2.2	12.5	406.2	21.5	983.4	1.7	1.8
SMDH 00242	37.8	89.8	183.2	21.1	71.8829	13.1401	1.49624	10.3	1.2	6.5	1.3	4.0	0.3	3.0	0.3	42.1	1.5	11.7	347.0	20.0	839.8		
SMDH 00242	29.3	70.0	151.8	17.8	59.1295	10.3738	1.26605	8.0	0.9	5.4	1.0	3.2	0.3	2.4	0.3	34.1	1.3	9.4	374.6	15.7	695.9		
SMDH 00242	67.8	123.3	253.5	28.5	95.0709	16.137	1.84152	12.9	1.6	10.5	2.1	6.8	0.9	5.7	0.8	55.1	2.8	16.9	623.8	25.7	1277.0		1.5
SMDH 00241	52.1	180.7	409.9	47.0	150.49	28.5855	1.61133	17.5	2.1	9.9	1.6	4.0	0.7	4.5	0.3	82.3	5.2	19.5	727.7	17.9	808.7		
SMDH 00241	47.0	176.4	355.6	42.5	146.085	23.8597	1.26605	18.1	2.1	8.6	1.5	4.9	0.3	4.0	0.6	78.8	3.8	17.3	783.9	11.4	779.0		
SMDH 00241	27.1	135.7	274.4	31.2	102.027	19.5949	2.18681	13.1	1.3	6.5	1.0	2.9	0.2	1.6	0.3	66.4	2.2	9.8	401.5	18.6	1024.8		1.6
SMDH 00241	11.2	67.0	138.9	14.9	46.3761	8.41429	1.38114	5.7	0.6	2.6	0.3	0.9	0.3	0.7	0.3	32.3	0.8	10.4	189.7	11.4	641.7		
SMDH 00241	16.1	75.7	167.7	17.4	59.1295	10.9501	1.26605	7.8	0.8	3.6	0.6	1.8	0.3	1.3	0.3	39.0	1.2	15.3	372.8	14.3	887.6	1.7	
SMDH 00241	31.6	96.5	206.5	25.0	82.3175	15.7912	1.72643	9.9	1.8	4.8	0.8	1.9	0.3	1.5	0.3	46.6	1.5	12.1	434.0	17.2	989.5		1.7
SMDH 00241	30.0	80.3	173.6	19.9	69.5641	13.7164	1.38114	8.0	1.6	4.9	1.0	2.1	0.3	2.0	0.3	36.8	1.2	12.6	374.4	28.6	806.1		
SMDH 00241	52.6	102.2	223.1	25.9	88.1145	18.2117	1.72643	10.7	2.2	7.7	1.5	3.7	0.6	3.9	0.7	49.1	1.7	14.7	515.1	31.5	1021.5		
SMDH 00241	18.2	64.5	139.1	16.1	57.9701	10.6043	1.26605	6.5	1.2	3.1	0.6	1.1	0.3	1.1	0.3	31.1	0.9	10.5	364.4	14.3	608.3	1.0	1.6
SMDH 00241	25.0	98.3	199.0	22.2	81.1581	15.3301	1.61133	8.9	1.4	4.5	0.7	1.9	0.3	1.3	0.3	44.3	1.4	12.5	453.6	20.0	919.6		
SMDH 00241	21.5	59.5	130.9	15.6	53.3325	9.79746	1.61133	5.7	1.3	3.3	0.6	1.3	0.3	1.0	0.3	27.5	0.9	12.3	362.8	14.3	672.3		
SMDH 00240	30.2	83.0	188.0	21.7	69.5641	12.218	1.26605	8.4	1.6	4.6	0.7	1.8	0.3	2.0	0.3	38.4	1.8	15.0	586.7	12.9	640.3		1.8
SMDH 00240	19.0	68.2	150.6	18.6	61.4483	11.5264	1.15095	6.4	1.1	3.7	0.3	1.1	0.3	1.4	0.3	33.7	1.1	12.7	320.0	10.0	783.0	2.1	
SMDH 00240	37.6	87.6	201.1	23.7	81.1581	15.0996	1.03586	10.3	1.9	5.5	1.0	2.5	0.3	2.6	0.3	46.1	1.5	10.5	383.0	12.9	800.3		
SMDH 00240	27.6	70.0	150.9	17.9	62.6077	11.6417	1.03586	8.1	1.1	4.8	0.9	3.0	0.3	2.5	0.3	37.1	1.9	10.7	358.6	14.3	759.6		1.6
SMDH 00240	40.7	88.0	221.3	25.2	77.6799	15.5607	1.84152	11.7	1.6	6.9	1.5	5.2	0.6	4.2	0.6	50.8	1.5	14.3	392.9	12.9	937.9		
SMDH 00240	42.1	101.6	220.4	27.7	93.9115	18.327	1.61133	12.4	1.4	7.4	1.6	5.7	0.7	4.9	0.7	53.6	1.9	9.7	313.3	12.9	905.6	1.2	
SMDH 00240	36.2	99.5	216.4	27.4	92.7521	18.0965	1.72643	11.8	1.4	6.6	1.4	5.0	0.6	4.3	0.6	54.1	1.9	10.5	441.3	17.2	1066.1		1.4
SMDH 00240	65.0	142.7	310.6	34.5	113.621	22.8223	2.07171	14.2	2.8	9.0	1.6	5.9	0.7	5.6	0.9	68.8	2.2	15.8	480.7	18.6	1157.2		
SMDH 00239	68.1	146.3	313.4	34.2	115.94	22.0155	1.95662	14.9	1.8	9.5	1.8	6.7	0.7	5.2	0.7	63.0	3.1	53.4	2925.3	22.9	1131.0		
SMDH 00239	36.1	65.6	142.7	16.0	53.3325	9.6822	1.15095	7.3	0.9	5.7	1.0	3.5	0.3	2.6	0.3	30.9	2.1	54.8	3234.0	15.7	750.3	2.0	1.6
SMDH 00239	55.3	94.2	217.4	21.3	71.8829	14.8691	1.15095	10.2	1.4	7.3	1.5	4.5	0.6	3.6	0.6	47.4	2.5	76.1	4202.1	24.3	993.9		
SMDH 00239	42.2	71.2	159.9	16.7	55.6513	10.9501	1.03586	7.6	1.2	5.8	0.9	4.1	0.3	2.5	0.3	33.3	1.8	70.0	4175.1	20.0	659.0		
SMDH 00239	48.2	94.9	196.8	22.7	75.3611	14.6386	1.84152	9.4	1.3	6.3	1.1	4.0	0.3	3.3	0.7	30.2	3.3	125.0	7169.6	42.9	639.8		1.6
SMDH 00239	49.4	69.6	152.4	18.7	61.4483	13.3707	1.26605	8.4	1.3	7.2	1.1	4.1	0.3	3.3	0.3	33.4	2.6	7.5	311.4	21.5	613.2	1.2	
SMDH 00239	49.2	99.8	219.4	23.1	75.3611	12.7943	1.61133	8.8	1.2	6.5	1.1	4.1	0.3	3.0	0.3	28.3	1.7	8.4	335.0	24.3	590.3		
SMDH 00239	33.0	91.6	206.4	22.3	79.9987	13.3707	1.84152	8.7	1.2	5.3	0.9	3.4	0.3	2.4	0.6	33.4	1.4	12.4	439.8	30.0	931.1		1.6
SMDH 00239	43.3	75.9	176.5	23.5	78.8393	11.1806	1.61133	9.5	1.8	5.3	0.9	2.5	0.3	2.0	0.3	34.0	1.9	17.0	503.3	21.5	1016.8		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00239	50.1	82.3	192.5	25.0	82.3175	13.3707	1.26605	10.5	1.9	6.0	1.3	2.6	0.3	3.0	0.3	44.1	1.9	14.6	495.2	18.6	1099.0	1.3	
SMDH 00239	48.4	83.9	185.4	24.3	82.3175	11.1806	1.61133	10.4	1.9	5.4	1.1	2.6	0.3	2.8	0.3	40.1	1.5	9.4	329.6	22.9	953.7		1.6
SMDH 00239	56.1	84.0	198.8	26.8	89.2739	14.5233	1.03586	11.3	2.2	6.6	1.4	3.3	0.6	3.2	0.3	49.6	2.8	14.3	501.3	22.9	1071.5		
SMDH 00239	62.0	87.7	207.0	26.8	93.9115	14.8691	1.38114	12.7	2.3	7.1	1.5	3.4	0.6	3.8	0.3	47.0	2.6	13.9	449.5	21.5	1025.0		
SMDH 00239	49.4	79.3	182.2	23.9	77.6799	13.2554	1.26605	10.3	1.6	5.5	1.1	2.9	0.3	3.1	0.3	42.1	2.0	13.0	480.7	17.2	967.3	1.1	1.6
SMDH 00256	88.7	109.5	248.3	30.4	103.187	16.8286	2.18681	14.2	2.8	9.2	1.8	4.5	0.8	4.7	0.7	46.3	3.2	20.0	712.7	28.6	1592.1		
SMDH 00256	61.7	108.7	246.4	32.7	110.143	17.2896	1.61133	10.3	2.5	7.8	1.4	3.3	0.6	3.0	0.3	54.1	3.5	15.0	449.3	22.9	804.7		1.8
SMDH 00256	18.6	31.9	67.5	6.4	25.5068	4.72583	2.417	3.0	0.7	1.7	0.3	0.9	0.3	0.9	0.3	14.0	1.1	6.3	205.1	5.7	657.8	1.9	
SMDH 00256	33.5	101.1	228.7	26.7	94.1434	20.056	1.26605	12.4	1.3	6.4	1.1	3.0	0.3	3.3	0.3	57.6	3.1	10.6	599.3	20.3	699.6		
SMDH 00256	40.7	46.1	101.0	10.3	42.8979	9.6822	3.10757	7.0	1.4	4.5	0.7	2.1	0.3	1.7	0.3	22.4	2.1	9.1	256.7	11.4	579.3		1.5
SMDH 00256	43.3	41.0	110.1	10.2	42.8979	10.1433	2.64719	6.8	1.4	4.0	0.7	2.2	0.3	1.5	0.3	21.2	1.9	8.1	253.4	10.0	1192.2		
SMDH 00256	43.5	39.6	86.0	10.2	42.8979	10.028	2.5321	6.2	1.5	3.9	0.7	2.4	0.3	2.0	0.3	19.2	1.7	6.3	198.3	8.6	732.5	1.3	
SMDH 00256	72.4	71.3	139.2	16.1	70.7235	15.5607	2.18681	8.5	1.6	6.3	1.1	4.1	0.6	4.0	0.3	30.4	2.4	11.1	326.1	11.4	1169.8		1.6
SMDH 00256	51.8	67.8	143.4	16.9	63.7671	14.408	3.56795	8.2	1.8	4.6	0.8	2.5	0.3	2.5	0.3	29.1	1.9	10.3	344.0	8.6	1046.5		
SMDH 00256	45.1	81.4	158.8	19.1	75.3611	14.9844	4.14343	8.5	1.6	4.0	0.8	2.7	0.3	2.3	0.3	32.5	1.8	12.4	452.5	22.9	1280.5		
SMDH 00256	27.0	47.5	91.4	10.3	46.3761	9.22114	2.417	4.9	0.9	2.6	0.3	1.3	0.3	1.4	0.3	19.4	1.2	8.8	299.9	10.0	1121.2	1.2	1.6
SMDH 00256	17.7	58.5	122.9	14.8	57.9701	12.218	3.22267	6.5	1.1	2.4	0.3	0.8	0.3	0.9	0.3	27.1	0.9	7.4	291.5	11.4	934.4		
SMDH 00256	27.2	54.2	152.5	11.8	44.0573	12.1027	2.5321	6.2	1.3	2.5	0.7	1.4	0.3	1.4	0.3	32.3	1.4	7.3	381.3	8.6	971.7		
SMDH 00257	41.9	133.0	290.7	34.0	114.085	20.6323	1.49624	12.6	1.5	7.7	1.4	3.1	0.6	3.3	0.6	57.5	4.1	15.0	698.2	17.3	670.6		1.7
SMDH 00257	59.3	191.3	415.7	50.4	164.055	31.6977	2.07171	18.3	2.2	10.8	1.9	4.9	0.9	5.2	0.8	83.0	5.1	18.4	520.9	21.5	769.7		
SMDH 00257	36.0	67.6	227.5	6.2	49.8543	12.9096	1.61133	4.1	0.3	2.9	0.9	1.7	0.3	1.6	0.3	29.9	1.7	6.4	327.7	11.4	1125.0		
SMDH 00257	4.2	16.3	29.1	3.5	12.0578	2.07476	1.84152	1.1	0.3	0.6	0.3	0.3	0.3	0.3	0.3	5.2	1.8	2.7	169.3	11.3	213.5		
SMDH 00257	28.5	45.6	137.6	18.5	39.4197	9.91272	1.03586	3.6	0.9	2.1	0.6	1.3	0.3	1.3	0.3	25.4	2.2	6.1	311.4	5.7	624.2		
SMDH 00257	9.9	37.9	85.7	6.8	33.6226	5.87848	0.57548	3.1	0.3	1.1	0.3	0.3	0.3	0.3	0.3	21.2	0.8	6.5	183.4	8.6	698.9	1.5	
SMDH 00257	35.5	88.4	199.9	17.2	79.9987	14.408	0.80567	8.7	0.7	3.2	0.6	1.9	0.3	1.7	0.3	55.3	2.0	14.5	415.2	12.9	1379.1		1.7
SMDH 00257	36.2	60.7	122.9	8.2	49.8543	8.41429	1.03586	5.4	0.9	3.0	0.6	1.5	0.3	2.0	0.3	24.3	0.9	13.6	457.1	10.0	762.0		
SMDH 00257	63.2	89.8	203.4	17.5	85.7957	14.9844	0.92076	9.5	0.9	4.5	1.0	3.7	0.7	3.5	0.3	55.5	2.5	14.9	450.6	30.0	1207.2		
SMDH 00257	64.8	101.6	227.6	19.6	92.7521	16.9438	0.92076	12.0	1.2	5.3	1.0	3.7	0.6	3.3	0.3	66.8	2.9	13.8	570.6	22.9	1715.5	1.1	1.6
SMDH 00257	33.5	77.7	172.9	14.3	70.7235	11.8722	0.92076	7.3	0.6	2.7	0.6	1.8	0.3	1.4	0.3	46.7	2.0	15.4	464.7	18.6	1304.4		
SMDH 00257	39.8	108.3	232.4	27.9	97.3897	17.0591	1.61133	11.3	2.0	5.3	0.9	1.8	0.3	1.8	0.3	50.5	2.2	14.4	506.1	18.6	1128.9		
SMDH 00258	78.3	220.1	475.4	56.6	197.098	33.6572	1.15095	23.0	4.2	11.5	1.7	3.5	0.6	3.5	0.6	103.6	5.4	42.7	1483.3	10.0	763.8		1.7
SMDH 00258	35.5	73.6	146.3	18.1	62.6077	12.5638	1.15095	7.7	1.5	4.5	0.7	1.6	0.3	1.4	0.3	31.6	1.9	8.8	291.4	12.9	676.2	2.2	
SMDH 00258	42.4	79.1	163.8	20.3	71.0249	13.8893	1.47322	8.8	1.7	5.0	0.8	2.0	0.3	1.6	0.3	35.8	1.9	9.3	310.1	32.3	987.4		
SMDH 00258	74.6	75.1	167.1	18.7	73.0423	13.6012	1.15095	8.9	2.1	8.6	1.8	6.6	0.8	5.3	0.9	37.8	2.1	19.9	329.7	22.9	961.9		1.4
SMDH 00258	26.1	60.0	134.5	14.5	57.9701	10.2585	1.15095	6.0	0.8	4.4	0.8	3.2	0.3	2.4	0.3	30.0	1.4	10.1	315.1	12.9	736.0		
SMDH 00258	30.8	72.1	170.3	18.4	68.4047	11.4112	1.26605	7.4	0.8	5.2	0.9	4.3	0.6	3.5	0.3	26.7	1.4	9.2	351.9	15.7	959.8	1.6	
SMDH 00258	34.7	89.9	198.4	21.0	79.9987	13.1401	1.26605	8.1	0.9	6.0	1.1	4.7	0.7	4.4	0.8	43.6	1.4	11.1	392.0	18.6	1051.2		1.4
SMDH 00258	27.2	90.1	192.8	20.4	75.3611	13.3707	1.84152	8.1	0.9	5.4	0.9	3.5	0.3	3.5	0.3	40.3	1.5	10.6	408.9	12.9	962.9		
SMDH 00258	11.8	62.9	134.2	14.2	55.6513	8.29903	1.26605	4.7	0.6	2.4	0.3	1.4	0.3	0.8	0.3	28.4	1.3	16.3	600.0	17.2	1216.1		
SMDH 00258	8.7	35.0	72.6	7.8	28.985	5.76321	1.61133	3.2	0.3	1.4	0.3	0.9	0.3	1.4	0.3	13.9	1.4	20.8	673.2	25.7	1274.9	1.3	1.4
SMDH 00258	23.2	76.9	164.9	18.6	70.7235	12.218	1.49624	7.1	0.9	4.0	0.8	2.6	0.3	1.9	0.3	35.0	1.8	13.3	379.6	15.7	847.9		
SMDH 00258	59.7	93.4	208.3	22.8	88.1145	14.8691	1.26605	10.3	1.4	7.2	1.4	3.5	0.6	3.9	0.6	44.5	2.6	21.0	491.4	18.6	827.1		
SMDH 00259	71.9	208.4	272.6	30.6	105.506	30.4298	1.15095	19.1	2.9	6.9	1.1	4.2	0.7	3.8	0.3	96.3	4.5	38.6	1421.9	12.9	573.9		1.6
SMDH 00259	43.2	109.2	144.3	15.5	55.6513	16.137	1.38114	10.7	1.6	3.7	0.7	2.4	0.3	2.5	0.3	48.0	2.2	22.8	688.5	25.7	1209.8	2.3	
SMDH 00259	23.7	57.9	70.6	8.4	28.985	9.3364	1.61133	6.2	0.8	1.8	0.3	1.4	0.3	1.0	0.3	24.8	0.8	8.0	234.2	17.2	947.7		
SMDH 00259	23.2	74.8	87.1	10.0	35.9414	9.79746	1.38114	7.2	0.9	2.2	0.3	1.6	0.3	1.0	0.3	30.1	0.9	10.6	274.1	21.5	803.5		
SMDH 00259	42.8	92.0	114.1	13.0	44.0573	14.1775	1.15095	9.5	1.3	3.0	0.7	2.9	0.3	2.6	0.3	39.6	1.3	9.0	370.4	20.0	971.3	1.2	
SMDH 00259	32.4	84.2	102.3	11.6	42.8979	13.1401	1.26605	8.8	1.2	2.7	0.6	1.9	0.3	1.9	0.3	35.8	1.4	13.1	362.6	21.5	956.6		1.4
SMDH 00259	55.1	127.6	190.1	17.9	93.9115	16.5981	1.26605	10.4	1.8	1.4	0.8	1.3	0.3	1.8	0.3	47.9	1.4	15.2	432.9	34.3	953.5		
SMDH 00259	65.1	164.8	321.1	35.3	129.853	23.5139	2.18681	12.1	2.3	7.4	1.3	2.6	0.3	3.2	0.3	59.5	1.4	31.1	580.0	73.0	1062.4		
SMDH 00259	10.9	54.3	117.1	12.7	42.8979	6.80059	0.80567	3.9	0.7	1.6	0.3	0.3	0.3	0.2	0.3	20.9	0.7	14.7	199.2	10.0	894.6	1.0	1.4
SMDH 00260	32.4	107.1	230.1	25.3	93.6796	15.4454	1.61133	9.4	1.2	5.8	1.0	2.5	0.3	1.4	0.3	46.6	4.0	8.6	232.9	19.2	483.5		
SMDH 00260	45.1	92.4	195.9	22.0	78.8393	16.0217	1.26605	10.1	1.9	5.5	0.9	2.4	0.3	2.3	0.3	41.0	1.5	20.8	378.0	28.6	962.6		
SMDH 00260	37.4	74.5	154.3	17.5	61.4483	10.6043	1.26605	7.1	1.4	4.2	0.8	1.7	0.3	1.7	0.3	30.1	1.3	14.9	267.1	17.2	883.0		1.4
SMDH 00260	39.3	90.3	185.7	21.0	73.0423	12.4485	1.26605	8.5	1.3	4.5	0.8	1.8	0.3	1.7	0.3	35.9	1.7	13.7	294.1	17.2	847.5	1.0	
SMDH 00260	27.0	68.5	140.8	15.6	53.3325	8.52955	1.26605	5.7	1.2	3.6	0.6	1.4	0.3	1.1	0.3	25.8	1.2	11.3	291.6	12.9	631.9		
SMDH 00260	20.8	95.6	195.6	22.7	78.8393	12.5638	1.61133	7.2	1.3	3.1	0.3	0.8	0.3	0.3	0.3	36.9	1.4	23.1	453.5	20.0	1027.6		1.3
SMDH 00260	11.5	68.8	143.6	15.3	48.6949	8.18376	1.03586	5.8	0.8	1.6	0.3	0.3	0.3	0.3	0.3	29.9	1.2	29.5	285.4	8.6	763.8		
SMDH 00260	11.9	53.9	109.8	12.1	42.8979	7.03112	1.38114	4.7	0.7	1.7	0.3	0.6	0.3	0.3	0.3	19.8	0.9	17.8	381.9	12.9	634.9	0.9	
SMDH 00261	41.6	113.3	273.6	29.4	102.027	16.9438	0.80567	11.1	2.1	6.0	0.9	2.2	0.3	1.8	0.3	51.1	2.9	32.7	569.5	14.3	466.5		1.6
SMDH 00261	20.9	58.7	232.4	13.8	100.868	6.91585	1.03586	5.6	0.7	2.5	0.7	1.7	0.3	1.7	0.3	17.6	0.9	13.7	305.8	15.7	595.2		
SMDH 00261	25.0	67.4	293.0	16.1	118.259	9.22114	0.80567	6.8	1.1	2.9	0.8	2.2	0.3	1.6	0.3	22.9	1.4	10.1	248.1	15.7	652.9		
SMDH 00261	19.5	73.0	318.5	18.4	127.534	10.028	0.92076	7.6	1.1	2.9	0.7	1.3	0.3	1.0	0.3	25.9	1.4	13.2	243.8	14.3	677.2	1.3	1.4
SMDH 00261	19.0	83.9	358.5	19.8	144.925	10.489	1.61133	8.6	1.1	2.7	0.7	1.4	0.3	0.8	0.3	27.9	1.7	12.1	269.5	25.7	792.6		
SMDH 00261	21.4	67.9	291.8	16.8	118.259	8.29903	1.03586	6.9	0.8	2.5	0.7	1.6	0.3	1.4	0.3	24.0	1.1	15.9	263.9	17.2	856.3		
SMDH 00261	21.3	74.2	319.1	18.3	45.2167	9.10587	1.15095	4.7	1.1	3.1	0.7	1.6	0.3	1.0	0.3	25.9	1.2	16.2	284.9	12.9	631.9		1.6
SMDH 00261	20.2	84.2	369.3	20.9	149.563	11.9875	0.80567	8.6	1.1	3.0	0.7	1.5	0.3	0.9	0.3	32.6	1.9	20.6	286.4	28.6	589.1	1.0	
SMDH 00262	36.8	73.3	320.0	17.4	122.897	8.76008	0.92076	8.2	1.3	4.0	1.1	2.9	0.3	2.8	0.3	25.6	2.0	20.4	341.9	18.6	701.5		
SMDH 00262	37.8	49.5	214.6	12.0	89.2739	6.68533	0.80567	6.4	0.8	3.8	1.1	3.2	0.3	2.6	0.3	17.9	1.5	7.5	199.0	12.9	507.1		1.6
SMDH 00262	103.7	106.1	229.3	26.1	91.5927	15.6759	2.07171	11.2	2.7	10.1	2.2	5.4	0.8	5.8	0.7	42.4	3.1	22.9	431.0	32.9	1076.4		
SMDH 00262	78.6	92.6	199.3	22.2	81.1581	13.6012	1.49624	9.5	2.1	7.8	1.5	3.8	0.6	4.5	0.6	37.9	2.4	20.3	328.0	25.7	840.0	1.0	

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00262	93.8	99.8	209.6	24.1	83.4769	14.2928	1.84152	10.8	2.2	9.4	1.8	5.2	0.8	5.6	0.7	38.0	2.5	21.6	378.8	34.3	986.9		1.6
SMDH 00262	71.6	89.1	183.8	21.4	76.5205	13.3707	1.38114	9.1	2.1	7.4	1.4	3.8	0.7	3.5	0.6	35.0	2.2	24.2	334.1	22.9	795.1		
SMDH 00262	59.3	89.8	193.0	23.9	79.9987	14.6386	1.49624	9.6	1.6	6.9	1.3	4.2	0.6	3.3	0.6	38.3	2.2	14.6	562.9	21.5	862.6		
SMDH 00262	34.0	93.3	196.4	23.7	81.1581	16.0217	1.61133	10.1	1.2	6.4	1.0	3.8	0.3	2.8	0.3	39.1	2.4	12.6	441.2	18.6	824.6	1.0	1.6
SMDH 00262	25.7	80.6	169.4	20.4	71.8829	13.0249	1.72643	8.7	0.9	5.5	0.9	3.1	0.3	1.8	0.3	34.2	2.0	8.4	319.3	15.7	762.0		
SMDH 00262	35.1	96.5	203.9	23.9	81.1581	13.8317	1.61133	10.1	1.3	6.9	1.1	4.1	0.6	3.3	0.3	40.9	2.4	12.0	409.3	17.2	862.6		
SMDH 00262	28.9	79.6	163.3	19.9	67.2453	10.3738	1.72643	8.4	1.1	5.6	1.0	3.5	0.3	2.8	0.3	32.0	1.8	8.0	278.8	18.6	688.6		1.6
SMDH 00262	31.2	87.3	187.8	23.2	78.8393	14.2928	1.72643	9.6	1.2	6.5	1.3	3.7	0.3	2.6	0.3	37.5	2.1	12.0	380.1	18.6	851.9	0.7	
SMDH 00263	36.4	117.3	248.1	29.5	100.868	18.7881	1.61133	12.7	1.5	7.6	1.3	3.8	0.3	3.0	0.3	48.4	3.1	20.8	658.2	18.6	811.0		
SMDH 00263	29.5	78.9	166.6	19.8	66.0859	12.6791	1.49624	7.8	1.1	5.7	1.1	3.4	0.3	2.7	0.3	33.8	1.9	8.3	331.9	18.6	846.3		1.5
SMDH 00263	28.8	99.1	222.4	28.5	91.5927	17.4049	1.49624	11.1	1.3	5.6	0.8	2.2	0.3	1.1	0.3	48.0	2.4	11.9	655.9	27.2	892.5		
SMDH 00263	39.3	99.2	214.5	24.6	85.7957	14.7538	1.61133	10.1	1.9	5.4	0.9	1.7	0.3	1.1	0.3	43.0	2.0	10.8	568.6	28.6	1118.7	1.4	
SMDH 00263	37.8	93.8	204.4	23.9	84.6363	15.3301	1.38114	10.1	2.0	5.3	0.8	1.5	0.3	1.3	0.3	43.7	2.2	11.2	471.0	22.9	936.5		1.6
SMDH 00263	39.4	105.7	223.5	26.4	93.9115	16.3675	1.72643	10.7	2.0	5.7	1.0	1.8	0.3	1.8	0.3	47.7	2.2	13.3	589.4	28.6	1060.0		
SMDH 00263	57.9	85.2	186.6	21.1	74.2017	14.2928	1.72643	9.9	2.0	6.3	1.4	3.0	0.6	3.4	0.3	38.4	2.2	9.0	527.4	24.3	890.9	1.1	1.5
SMDH 00263	57.4	79.2	171.4	19.1	67.2453	12.6791	1.49624	9.1	1.9	6.1	1.3	2.7	0.3	3.4	0.3	36.6	2.2	10.7	427.4	24.3	819.4		
SMDH 00263	56.5	80.0	177.7	20.2	73.0423	11.9875	1.38114	10.2	2.0	6.4	1.3	2.7	0.3	3.2	0.3	39.4	2.6	8.1	414.8	28.6	865.0		
SMDH 00263	55.3	74.3	162.8	18.7	64.9265	11.757	1.38114	9.7	1.9	6.3	1.3	2.7	0.3	3.3	0.3	37.4	2.6	0.5	432.9	30.0	844.2		1.4
SMDH 00263	54.4	72.3	176.8	18.1	71.8829	12.1027	1.38114	8.6	1.8	7.3	1.3	3.3	0.6	4.3	0.6	33.5	2.7	8.3	515.3	30.0	787.0	0.8	
SMDH 00264	49.2	138.3	332.7	34.5	114.781	22.3613	1.72643	15.1	2.0	9.4	1.6	5.6	0.6	3.8	0.7	64.5	4.1	15.7	750.5	28.6	1692.6		
SMDH 00264	32.8	86.0	183.8	21.4	71.8829	12.7943	1.95662	9.2	1.2	6.9	1.1	4.0	0.3	3.0	0.3	39.6	2.6	10.7	492.8	30.0	1253.7		1.5
SMDH 00264	39.9	90.4	187.9	22.8	79.9987	15.3301	2.07171	10.5	1.3	7.6	1.4	4.3	0.6	3.4	0.3	45.4	3.1	8.8	403.6	31.5	979.9		
SMDH 00264	53.9	93.4	201.1	23.9	83.4769	16.2523	1.72643	11.5	1.6	9.2	1.8	6.8	0.7	5.1	0.7	48.2	3.7	8.6	406.9	27.2	906.8	0.9	
SMDH 00264	59.8	91.6	192.2	22.6	76.5205	13.3707	1.72643	11.3	1.8	9.3	1.9	6.7	0.8	5.2	0.7	45.7	3.7	7.4	452.1	28.6	970.3		1.4
SMDH 00264	43.3	90.6	190.0	23.2	77.6799	14.9844	1.61133	10.8	1.4	7.9	1.5	5.1	0.6	3.6	0.6	46.4	3.1	9.7	463.5	31.5	1011.7		
SMDH 00264	42.2	93.4	195.3	23.7	75.3611	14.6386	1.49624	10.4	1.4	7.9	1.5	4.6	0.3	3.5	0.6	45.4	3.3	7.3	455.5	32.9	820.8		
SMDH 00264	43.7	81.3	204.3	21.4	70.7235	13.3707	1.84152	10.2	1.9	5.4	1.0	3.8	0.3	3.2	0.3	41.9	2.7	31.6	443.9	34.3	951.4	1.0	1.5
SMDH 00264	25.7	78.1	167.9	19.8	64.9265	13.8317	1.38114	9.1	0.9	4.6	0.8	3.3	0.3	2.6	0.3	40.4	2.1	9.0	419.8	54.4	741.4		
SMDH 00264	34.1	66.8	151.9	17.5	61.4483	10.9501	1.38114	7.6	1.4	3.7	0.8	1.7	0.3	2.0	0.3	34.4	1.7	9.1	493.4	21.5	690.7		
SMDH 00264	30.7	55.0	126.1	14.7	49.8543	9.10587	1.15095	6.4	1.2	3.4	0.7	2.1	0.3	2.0	0.3	28.7	1.4	9.1	383.8	17.2	617.4		1.4
SMDH 00264	21.4	69.6	146.1	17.3	56.3469	11.2959	1.72643	6.6	0.8	3.8	0.7	1.5	0.3	0.8	0.3	31.3	3.9	8.8	115.0	20.0	340.8		
SMDH 00265	32.1	69.5	150.9	17.8	60.2889	10.1433	0.46038	7.6	1.5	4.1	0.8	1.8	0.3	1.5	0.3	34.2	2.4	13.0	557.5	10.0	495.0		
SMDH 00265	28.8	55.7	118.9	14.1	46.3761	8.0685	1.26605	6.0	1.3	3.4	0.6	1.5	0.3	1.3	0.3	22.3	1.8	8.6	355.0	18.6	819.0		1.6
SMDH 00265	60.5	82.0	181.3	20.2	70.7235	13.0249	1.38114	9.2	1.9	6.2	1.3	3.5	0.6	3.4	0.3	33.8	2.2	8.3	422.5	22.9	886.2		
SMDH 00265	60.3	103.5	226.0	23.3	91.5927	15.4454	1.38114	11.3	2.3	7.8	1.4	3.4	0.6	3.3	0.6	45.1	3.7	12.4	683.2	27.2	855.6	1.3	
SMDH 00265	56.8	69.8	155.2	17.8	61.4483	11.6417	1.26605	7.9	1.6	6.2	1.1	2.9	0.3	2.6	0.3	30.1	2.7	7.8	391.9	22.9	791.4		1.7
SMDH 00265	90.2	111.8	242.8	28.3	102.027	16.8286	2.07171	13.6	2.7	9.3	2.1	5.1	0.9	4.8	0.7	46.8	2.9	9.3	555.0	37.2	1133.6		
SMDH 00265	100.0	119.6	263.9	30.1	103.187	16.9438	1.84152	14.1	2.9	10.3	2.2	5.7	0.9	5.7	0.7	51.0	3.3	14.2	581.8	30.0	1087.8		
SMDH 00265	52.5	77.6	180.9	18.0	74.2017	12.3333	2.07171	8.8	1.8	6.4	1.5	3.2	0.3	3.3	0.3	34.4	2.2	9.8	407.8	24.3	926.2	0.9	1.7
SMDH 00265	72.9	84.2	195.6	20.1	82.3175	13.4859	1.61133	8.6	2.1	8.7	1.8	4.1	0.7	4.4	0.7	36.0	2.6	10.6	517.2	31.5	1500.1		
SMDH 00265	98.1	104.5	243.5	25.0	103.187	16.9438	1.84152	12.3	2.6	11.3	2.5	5.7	1.0	7.2	0.8	46.0	2.9	13.1	585.6	31.5	1369.5		
SMDH 00265	77.2	93.8	213.9	22.0	88.1145	16.0217	1.26605	10.5	2.0	8.9	2.1	4.7	0.8	5.6	0.8	41.7	2.8	11.7	544.5	28.6	1099.3		1.4
SMDH 00265	40.6	110.4	262.6	30.1	92.7521	16.4828	2.18681	10.8	1.9	7.9	1.3	4.2	0.3	3.6	0.3	50.4	4.1	20.6	699.3	25.7	1255.8	0.8	
SMDH 00012t	28.9	79.5	167.4	18.9	62.6077	11.8722	1.72643	7.4	1.1	5.7	1.0	2.4	0.3	2.5	0.3	30.0	2.6	10.0	404.7	20.0	901.4		1.1
SMDH 00012t	37.4	122.9	259.2	28.8	97.3897	18.2117	1.49624	10.9	1.3	7.2	1.1	3.1	0.3	3.1	0.3	49.5	3.7	17.0	706.3	15.7	580.7		
SMDH 00012t	15.6	86.8	185.5	20.8	70.7235	11.9875	1.49624	6.8	0.8	3.7	0.6	1.3	0.3	0.9	0.3	34.0	1.7	7.7	325.8	14.3	641.2		
SMDH 00012t	17.2	62.7	126.7	15.6	53.3325	9.56693	1.26605	6.9	0.8	4.0	0.6	1.1	0.3	1.0	0.3	24.5	1.4	7.4	293.9	17.2	707.8		
SMDH 00012t	19.9	71.2	144.0	18.0	60.2889	11.757	1.38114	7.2	0.8	3.9	0.8	1.6	0.3	1.3	0.3	29.8	1.9	9.4	388.9	14.3	748.4		
SMDH 00012t	21.2	89.8	181.3	22.6	77.6799	14.408	1.26605	9.5	1.1	4.8	0.7	1.3	0.3	1.0	0.3	36.9	2.0	12.3	566.1	20.0	888.8	1.1	1.4
SMDH 00012t	14.2	64.6	135.8	15.3	52.1731	9.56693	1.26605	5.6	0.7	3.2	0.3	1.0	0.3	0.8	0.3	26.0	1.3	7.9	317.3	14.3	793.7	0.3	1.6
SMDH 00012t	37.6	111.0	226.7	27.6	96.2303	17.1744	1.61133	12.7	1.5	7.6	1.4	3.1	0.3	3.0	0.3	48.0	2.0	17.2	729.3	20.0	1253.7		
SMDH 00012t	23.4	81.0	159.4	19.5	70.7235	12.4485	1.26605	8.2	0.9	5.0	0.8	1.9	0.3	1.5	0.3	32.6	1.8	10.5	427.0	25.7	979.2		
SMDH 00012t	11.7	49.1	98.7	12.1	38.2603	7.37691	2.07171	4.7	0.3	2.5	0.3	0.8	0.3	0.6	0.3	19.2	0.9	5.0	208.7	14.3	552.0		
SMDH 00159t	57.4	241.0	534.2	64.4	223.765	37.9219	1.49624	20.3	2.3	11.8	2.1	4.8	0.8	4.5	0.8	113.9	4.8	32.8	1387.3	17.2	492.6		1.5
SMDH 00159t	36.0	110.2	251.2	27.7	98.5491	16.3675	1.61133	9.4	1.2	6.4	1.3	3.1	0.3	3.1	0.3	48.0	2.4	10.6	471.7	20.0	875.0		
SMDH 00159t	41.2	106.0	223.1	27.0	92.7521	15.4454	1.84152	9.2	1.2	6.9	1.4	3.5	0.6	3.6	0.7	46.0	1.8	9.3	403.6	21.5	877.4	1.0	
SMDH 00159t	29.5	133.7	303.4	34.9	120.578	19.5949	1.61133	11.3	1.3	6.3	1.0	2.4	0.3	1.9	0.3	61.0	1.8	11.3	485.5	21.5	1099.7		1.4
SMDH 00159t	32.8	123.6	270.7	32.2	112.462	19.0186	1.61133	10.8	1.3	6.5	1.1	2.9	0.3	2.7	0.3	53.4	1.7	12.0	513.4	21.5	1071.7		
SMDH 00159t	26.0	112.5	247.2	29.2	99.7085	15.9065	1.61133	9.1	0.9	4.9	0.9	2.4	0.3	2.4	0.3	48.0	1.5	9.8	433.9	21.5	1037.1		
SMDH 00159t	28.1	126.5	269.8	32.2	111.303	17.1744	1.49624	10.0	1.1	5.6	1.0	2.5	0.3	2.5	0.3	53.0	1.5	9.3	406.5	24.3	1047.9	0.4	1.5
SMDH 00159t	9.6	55.9	115.7	14.1	46.3761	7.60744	1.72643	3.9	0.3	1.8	0.3	0.8	0.3	0.7	0.3	21.8	0.7	7.7	337.8	14.3	822.2		
SMDH 00159t	3.7	15.2	29.5	3.5	11.594	1.84423	1.61133	1.0	0.3	0.7	0.3	0.3	0.3	0.3	0.3	4.2	0.3	2.8	131.2	8.6	460.2		
SMDH 00159t	13.8	78.4	172.3	20.1	69.5641	11.0654	1.84152	6.0	0.7	3.1	0.3	1.1	0.3	1.0	0.3	33.6	1.1	5.7	240.7	17.2	831.8		1.6
SMDH 00159t	31.3	143.0	311.7	36.4	127.534	21.0934	1.84152	11.8	1.3	6.4	1.1	2.6	0.3	2.7	0.3	61.1	1.9	12.9	592.9	24.3	1134.3	0.4	
SMDH 00159t	24.2	138.7	300.8	35.3	120.578	18.9033	1.84152	10.3	1.2	5.2	0.9	2.1	0.3	2.3	0.3	58.4	1.5	11.7	478.0	22.9	1143.0		
SMDH 00159t	28.0	136.8	297.7	35.1	120.578	20.056	1.61133	10.4	1.2	5.6	1.0	2.6	0.3	2.6	0.3	58.7	1.8	9.8	421.0	12.9	978.7		1.5
SMDH 00159t	21.8	115.6	248.3	29.2	100.868	15.9065	1.72643	8.6	0.9	4.5	0.9	2.1	0.3	1.9	0.3	48.3	1.5	11.8	526.7	15.7	1047.9		
SMDH 00164t	31.9	121.9	254.2	30.3	96.2303	16.3675	0.92076	12.4	1.3	7.3	1.1	3.7	0.3	3.0	0.3	58.8	3.9	14.3	574.0	8.6	516.2		
SMDH 00164t	28.4	89.2	180.8	20.9	71.8829	11.8722	1.72643	8.9	1.1	5.6	0.9	3.2	0.3	3.0	0.6	41.2	2.8	14.3	571.8	11.4	475.6		1.5
SMDH 00164t	30.5	78.6	164.0	18.7	67.2453	11.1806	1.72643	8.2	1.1	5.7	1.0	3.0	0.3	3.4	0.3	32.9	2.2	7.1	301.1	24.3	909.4	1.9	
SMDH 00164t	25.5	72.0	150.2	16.7	59.1295	10.3738	1.38114	7.2	0.9	4.7	0.9	2.4	0.3	2.3	0.3	29.2	1.9	6.7	291.2	24.3	808.2		

BHID	East	North	AHD	FROM	TO	Rec	Mz EQ	THM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	TREO	TREO+Y+Sc	LREO	HREO	CREO	MagREO	Sc_2O_3
units:	*m*	*m*	*m*	*m*	*m*	*%*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
SMDH 00164t	17.9	36.9	76.1	8.8	31.3038	5.18689	1.38114	4.0	0.3	2.9	0.6	1.8	0.3	2.3	0.3	14.6	1.1	5.1	217.1	12.9	525.8		1.4
SMDH 00164t	27.9	72.2	148.6	17.4	59.1295	10.028	1.49624	7.3	1.1	5.5	1.0	2.6	0.3	2.5	0.3	29.0	2.0	7.4	314.5	21.5	839.3		
SMDH 00164t	27.2	80.7	166.3	18.6	66.0859	10.7196	1.49624	8.7	1.1	5.4	0.9	2.5	0.3	2.6	0.3	31.8	2.2	6.5	273.3	22.9	868.5	0.8	
SMDH 00164t	26.0	98.0	205.7	23.3	78.8393	14.408	1.26605	10.2	1.1	6.1	0.9	2.2	0.3	1.8	0.3	39.5	2.8	6.8	292.7	24.3	991.4		1.5
SMDH 00164t	13.1	59.0	121.0	14.4	48.6949	8.64482	1.38114	6.1	0.6	3.2	0.3	1.0	0.3	0.9	0.3	24.8	1.4	5.0	201.3	18.6	923.1		
SMDH 00164t	16.5	83.1	171.7	20.2	70.7235	11.8722	1.38114	8.0	0.9	3.9	0.6	1.4	0.3	1.3	0.3	33.2	2.2	6.1	266.5	25.7	993.2		
SMDH 00164t	23.8	121.5	228.1	25.3	90.4333	16.7133	2.64719	12.7	1.4	6.1	0.8	2.1	0.3	1.5	0.3	41.7	3.1	9.4	443.9	34.3	944.4	0.8	
SMDH 00164t	23.3	91.0	198.6	21.9	66.0859	14.408	1.72643	9.6	1.1	4.9	1.0	2.1	0.3	1.5	0.3	32.0	2.5	7.9	355.5	42.9	1187.6		
SMDH 00164t	33.2	80.6	179.4	20.3	62.6077	12.7943	1.95662	9.3	1.3	6.1	1.4	3.9	0.3	2.5	0.3	30.8	2.8	8.5	378.6	32.9	1007.7		
SMDH 00164t	53.9	75.5	170.5	18.5	61.4483	13.4859	1.95662	10.0	1.3	8.5	2.1	6.0	0.8	4.9	0.8	28.3	3.5	6.4	301.0	37.2	1173.3		1.6
SMDH 00164t	24.5	73.2	161.9	19.1	57.9701	11.757	1.72643	8.7	1.1	4.6	0.9	2.7	0.3	2.0	0.3	29.4	2.6	9.1	461.0	28.6	968.9	0.9	
SMDH 00164t	18.1	85.2	181.9	20.5	69.5641	12.5638	1.72643	7.8	0.8	4.2	0.7	1.8	0.3	1.1	0.3	34.0	2.4	7.9	317.7	22.9	969.4		
SMDH 00164t	17.9	86.2	183.3	20.9	68.4047	12.7943	1.38114	7.7	0.8	4.0	0.6	1.9	0.3	1.3	0.3	32.7	2.0	7.8	315.0	21.5	914.5		
SMDH 00164t	17.9	86.2	183.3	20.9	68.4047	12.7943	1.38114	7.7	0.8	4.0	0.6	1.9	0.3	1.3	0.3	32.7	2.0	7.8	315.0	21.5	914.5		
SMDH 00241t	47.4	161.9	383.0	41.7	158.838	25.8192	1.15095	19.1	2.1	10.4	1.7	5.0	0.7	3.8	0.3	69.2	4.1	24.2	1013.4	12.9	553.8		
SMDH 00241t	53.0	209.4	546.3	57.5	188.982	34.8098	1.84152	25.8	2.7	12.3	1.8	5.0	0.3	3.6	0.3	92.3	4.7	21.6	962.6	17.2	754.3	2.4	
SMDH 00241t	35.2	153.5	388.1	42.9	135.65	25.4734	1.49624	18.7	1.9	9.0	1.3	3.7	0.3	2.4	0.3	67.5	3.7	13.1	544.2	14.3	588.6		1.6
SMDH 00241t	9.8	50.2	122.0	13.6	44.0573	6.91585	1.84152	5.7	0.6	2.5	0.3	0.8	0.3	0.7	0.3	20.6	0.6	4.4	179.8	10.0	484.5		
SMDH 00241t	7.2	40.5	85.0	8.8	28.985	4.8411	1.61133	3.1	0.3	1.6	0.3	0.6	0.3	0.3	0.3	13.9	0.3	4.0	174.3	11.4	393.1		
SMDH 00241t	10.4	52.8	107.4	12.1	41.7385	7.7227	1.38114	4.6	0.6	2.3	0.3	0.7	0.3	0.3	0.3	22.1	0.3	3.5	157.2	7.2	276.1	0.8	1.6
SMDH 00241t	23.7	83.1	178.7	20.1	69.5641	12.218	1.49624	7.8	0.9	4.2	0.8	2.1	0.3	2.3	0.3	36.6	1.2	11.7	474.3	17.2	851.9		
SMDH 00241t	18.1	58.7	123.7	14.2	47.5355	9.3364	1.61133	5.4	0.7	3.4	0.6	1.6	0.3	1.5	0.3	25.4	0.8	7.4	305.1	11.4	555.9		
SMDH 00241t	17.7	81.3	171.2	19.3	64.9265	12.3333	1.61133	8.2	0.9	3.9	0.6	1.5	0.3	1.1	0.3	35.1	1.2	9.8	430.0	18.6	915.4		1.7
SMDH 00241t	16.3	83.8	174.2	19.8	67.2453	12.1027	1.84152	7.4	0.8	3.7	0.6	1.4	0.3	1.0	0.3	35.4	1.1	12.9	561.0	20.0	796.3	0.3	
SMDH 00262t	84.7	295.8	648.0	75.5	256.228	45.9904	1.84152	28.6	3.5	17.4	2.9	9.4	1.0	6.1	0.9	128.3	8.1	34.2	1423.6	12.9	398.3		
SMDH 00262t	26.6	64.8	195.8	16.8	55.6513	10.3738	1.26605	6.4	0.8	5.2	0.9	3.4	0.3	2.6	0.3	33.8	2.1	8.7	372.6	21.5	741.9		
SMDH 00262t	36.0	94.1	205.3	24.1	82.3175	14.0622	1.72643	8.8	1.2	6.2	1.3	4.1	0.6	3.5	0.3	39.7	2.7	7.0	285.2	21.5	636.1	1.0	
SMDH 00262t	41.4	80.9	169.7	20.5	70.7235	12.6791	1.84152	8.2	1.2	6.5	1.5	5.4	0.7	4.3	0.7	33.2	2.4	9.7	398.5	30.0	687.0		
SMDH 00262t	46.8	70.6	179.6	19.3	57.9701	11.5264	1.49624	9.3	1.2	8.0	1.4	5.1	0.7	4.5	0.3	29.6	2.1	10.5	427.1	24.3	774.6		
SMDH 00262t	43.3	82.9	211.6	22.9	71.8829	13.7164	1.61133	10.8	1.4	8.5	1.5	4.9	0.6	3.8	0.3	34.3	2.1	9.8	443.7	22.9	801.2		1.5
SMDH 00262t	30.5	90.4	231.0	25.5	77.6799	14.8691	2.07171	12.4	1.3	6.5	1.0	3.2	0.3	2.0	0.3	38.8	2.2	12.3	527.2	20.0	784.9	1.2	
SMDH 00262t	32.1	72.3	183.3	19.3	62.6077	12.3333	1.95662	9.5	1.1	6.2	1.0	3.4	0.3	3.1	0.3	29.0	1.9	9.2	389.0	30.0	680.7		
SMDH 00262t	45.1	107.8	276.4	29.4	96.2303	17.5202	1.84152	13.9	1.6	8.9	1.5	4.7	0.6	3.6	0.3	45.7	2.6	10.1	447.9	24.3	811.5		1.5
SMDH 00033bt	46.0	201.9	373.3	35.3	127.534	22.9376	1.61133	16.0	1.8	9.2	1.6	3.9	0.6	3.5	0.3	82.3	5.5	24.1	952.3	10.0	532.6	2.8	
SMDH 00033bt	34.9	85.5	177.5	20.7	77.6799	14.0622	1.15095	9.9	1.1	6.6	1.3	3.0	0.3	2.6	0.3	35.9	2.6	11.2	463.6	22.9	1090.4		
SMDH 00033bt	34.3	51.9	105.1	12.7	46.3761	10.6043	1.03586	7.7	1.2	6.2	1.1	3.0	0.3	2.7	0.3	17.1	1.9	7.0	280.6	24.3	1003.5		1.3
SMDH 00033bt	31.6	48.6	100.4	12.7	44.0573	10.6043	1.38114	8.7	1.2	6.2	1.1	2.6	0.3	2.4	0.3	15.3	1.3	7.5	289.6	21.5	1009.1		
SMDH 00033bt	5.7	28.8	52.7	6.4	22.0286	3.68846	1.84152	2.5	0.3	1.1	0.3	0.3	0.3	0.3	0.3	9.3	0.3	5.1	207.6	10.0	350.4	1.5	
SMDH 00033bt	6.2	32.4	61.3	7.2	25.5068	4.03425	2.64719	2.3	0.3	1.1	0.3	0.3	0.3	0.6	0.3	10.3	0.3	7.3	287.9	10.0	305.5		1.6
SMDH 00033bt	5.2	49.2	106.8	12.4	40.5791	5.99374	2.07171	3.7	0.3	1.4	0.3	0.3	0.3	0.3	0.3	18.3	0.6	5.3	235.0	15.7	698.0		
SMDH 00033bt	9.0	43.6	84.5	10.1	34.782	5.53268	1.84152	3.3	0.3	1.8	0.3	0.8	0.3	0.8	0.3	16.4	0.7	6.0	258.7	12.9	933.4		
SMDH 00033bt	7.6	70.3	124.9	14.4	49.8543	7.60744	2.18681	4.0	0.3	1.8	0.3	0.7	0.3	0.3	0.3	20.1	0.7	5.3	248.1	24.3	729.7	1.2	1.6
SMDH 00033bt	21.2	67.3	135.4	15.0	49.8543	8.18376	1.38114	5.6	0.6	3.8	0.8	2.2	0.3	2.0	0.3	26.6	1.7	7.3	329.3	15.7	776.0		
SMDH 00033bt	30.8	75.8	158.6	18.1	62.6077	11.5264	1.72643	7.3	1.1	5.5	1.0	2.7	0.3	2.8	0.3	31.2	2.5	7.5	323.8	21.5	865.9		
SMDH 00044t	33.1	90.5	199.0	20.8	71.8829	13.3707	0.92076	8.2	1.1	6.6	1.1	2.9	0.3	3.1	0.3	36.7	2.2	12.9	571.5	21.5	369.1		1.6
SMDH 00044t	52.7	122.5	263.6	31.7	105.506	18.327	1.95662	12.8	1.5	10.0	1.8	4.5	0.8	4.8	0.7	53.4	3.4	15.1	656.4	22.9	901.0		
SMDH 00044t	22.9	74.5	157.0	17.7	60.2889	10.489	1.72643	7.2	0.8	4.9	0.8	1.7	0.3	1.8	0.3	30.4	1.7	12.3	555.9	21.5	809.4	2.0	
SMDH 00044t	21.2	42.1	85.1	9.5	33.6226	5.18689	1.84152	4.1	0.3	3.4	0.7	1.9	0.3	1.8	0.3	14.6	0.8	9.6	433.7	18.6	717.6		
SMDH 00044t	41.8	85.7	173.9	20.3	71.8829	11.4112	1.49624	8.2	1.1	6.9	1.4	3.8	0.7	3.8	0.6	32.8	1.9	11.0	491.4	21.5	1179.6		
SMDH 00044t	31.9	112.1	232.4	26.9	96.2303	15.7912	1.26605	10.4	1.3	6.5	1.0	2.4	0.3	2.4	0.3	45.2	2.9	11.3	496.1	28.6	1080.8	1.1	1.6
SMDH 00044t	35.0	96.3	202.7	23.5	79.9987	14.2928	1.38114	9.6	1.2	7.1	1.3	2.7	0.3	3.1	0.3	38.7	2.4	10.5	469.3	21.5	1291.8		
SMDH 00093t	56.1	248.8	536.7	62.0	204.055	34.464	1.49624	21.7	2.5	11.9	2.1	6.6	0.8	4.3	0.7	111.3	5.8	29.2	1180.6	14.3	617.8	1.1	
SMDH 00093t	38.3	132.3	280.8	31.9	106.665	17.6354	1.61133	10.9	1.3	7.4	1.3	3.3	0.6	3.3	0.3	58.0	2.8	13.6	588.9	30.0	1041.6		
SMDH 00093t	41.8	143.3	311.8	35.5	120.578	19.9407	1.61133	12.7	1.4	8.0	1.5	3.3	0.6	3.3	0.3	67.1	3.7	14.0	599.1	30.0	1146.2		1.4
SMDH 00093t	37.8	116.9	244.3	27.6	92.7521	15.6759	1.61133	10.3	1.4	8.0	1.1	2.9	0.3	3.0	0.3	50.6	4.2	7.7	326.9	35.8	786.5	0.7	
SMDH 00093t	40.3	89.5	196.7	22.1	74.2017	12.3333	1.15095	8.8	1.2	7.8	1.4	3.2	0.3	3.3	0.3	42.5	3.4	9.9	417.5	30.0	802.8		
SMDH 00093t	42.5	119.8	254.5	30.3	102.027	16.137	1.49624	10.7	1.3	7.4	1.4	4.6	0.3	3.1	0.6	57.0	3.5	7.2	295.6	24.3	691.0		1.4
SMDH 00014bt	19.1	88.3	193.6	22.1	73.0423	13.8317	1.38114	8.0	0.9	4.2	0.7	1.8	0.3	1.3	0.3	39.3	2.7	8.3	340.0	11.4	132.4		1.5
SMDH 00014bt	16.2	102.1	206.1	24.3	79.9987	13.8317	2.30191	8.8	0.8	3.8	0.6	1.4	0.3	0.8	0.3	39.3	1.9	3.5	162.0	8.6	105.6		
SMDH 00014bt	12.0	106.5	206.6	23.4	74.2017	11.1806	2.5321	7.2	0.8	3.2	0.3	1.0	0.3	0.6	0.3	34.2	2.0	3.1	126.3	28.6	117.7		
SMDH 00014bt	22.2	213.2	191.7	44.3	150.722	24.3208	4.02833	15.7	1.5	3.2	0.8	2.3	0.3	1.0	0.3	70.2	2.9	5.7	258.7	24.3	417.0	0.8	1.7
SMDH 00014bt	23.2	192.8	181.1	42.3	148.403	26.626	3.91324	15.5	1.8	3.2	0.8	1.7	0.3	0.9	0.3	75.5	3.8	8.5	341.9	18.6	334.0		
SMDH 00014bt	22.6	185.0	173.4	39.5	127.534	23.5139	3.56795	14.7	1.5	3.1	0.7	2.2	0.3	0.7	0.3	65.4	3.4	7.1	271.1	20.0	308.3		
SMDH 00014bt	24.0	199.3	185.6	42.2	142.606	25.9345	4.02833	16.8	1.6	3.6	0.9	2.2	0.3	0.8	0.3	74.3	2.9	4.6	183.3	15.7	269.8		1.6
SMDH 00014bt	26.0	200.8	186.4	44.0	151.882	26.5108	3.79814	15.8	1.8	3.6	0.8	2.4	0.3	0.9	0.3	73.4	4.7	7.3	270.7	21.5	421.4	0.4	
SMDH 00014bt	25.3	190.0	181.4	40.8	139.128	25.2429	3.33776	15.4	1.6	3.7	0.9	2.2	0.3	1.4	0.3	80.5	7.2	7.4	302.7	188.8	418.8		
SMDH 00014bt	18.9	105.0	151.4	24.4	82.3175	14.6386	3.10757	9.1	0.9	2.9	0.7	1.9	0.3	1.3	0.3	39.6	4.0	6.5	252.2	38.6	437.0		1.7
SMDH 00014bt	8.9	43.8	85.2	10.3	32.4632	6.22427	2.5321	4.1	0.3	1.7	0.3	0.9	0.3	0.7	0.3	16.6	1.7	3.2	154.4	64.4	462.5		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00035	23.6	83.0	183.2	19.7	68.4047	11.2959	1.03586	7.4	0.8	4.6	0.8	2.3	0.3	3.0	0.3	35.2	2.1	15.7	704.0	12.9	962.2	1.5	
SMDH 00035	26.0	83.9	207.8	19.9	71.8829	12.3333	1.03586	7.6	0.9	4.9	0.9	2.2	0.3	2.5	0.3	37.5	1.9	14.9	653.1	21.5	929.5		
SMDH 00035	27.0	91.9	196.9	21.4	75.3611	11.757	1.26605	8.1	0.9	4.9	1.0	2.3	0.3	2.5	0.3	36.6	1.5	13.2	563.0	24.3	796.5		1.5
SMDH 00035	20.0	62.2	128.0	15.5	51.0137	9.3364	0.92076	6.2	0.7	3.6	0.8	1.8	0.3	2.0	0.3	23.3	1.1	6.7	320.3	20.0	502.7	1.6	
SMDH 00035	21.4	86.1	179.8	21.3	71.8829	11.8722	1.26605	7.6	0.8	4.6	0.9	1.8	0.3	2.3	0.3	32.0	1.3	8.1	359.6	20.0	663.9		
SMDH 00035	25.7	78.1	165.4	18.4	66.0859	10.9501	1.38114	7.1	0.9	4.6	0.9	2.2	0.3	2.4	0.3	30.1	1.4	9.0	382.4	21.5	616.4		1.4
SMDH 00035	29.9	75.6	164.2	18.6	64.9265	10.2585	1.72643	7.9	0.9	5.7	1.1	2.9	0.3	3.0	0.3	29.5	1.9	7.0	301.4	28.6	551.7		
SMDH 00035	25.0	69.9	162.1	16.9	61.4483	9.10587	1.49624	6.2	0.8	4.6	0.9	2.1	0.3	2.3	0.3	27.0	1.9	7.4	339.5	21.5	448.5	1.0	
SMDH 00035	25.3	88.8	194.2	21.9	79.9987	12.5638	1.61133	8.4	0.9	5.0	0.9	2.2	0.3	1.9	0.3	39.4	1.9	10.0	455.2	17.2	471.9		1.6
SMDH 00035	29.8	74.0	164.3	18.3	61.4483	10.1433	1.49624	6.9	0.9	5.3	1.0	2.7	0.3	3.1	0.3	30.8	1.9	10.4	463.3	22.9	720.6		
SMDH 00035	33.7	78.5	169.9	18.3	60.2889	10.3738	2.07171	6.3	1.1	6.6	1.1	3.1	0.3	3.9	0.3	27.0	1.7	9.7	428.9	17.2	750.1		
SMDH 00035	39.8	97.0	207.6	22.8	75.3611	12.4485	1.84152	7.2	1.1	7.7	1.4	3.9	0.7	4.0	0.6	35.3	2.5	8.6	385.8	17.2	806.8		1.5
SMDH 00035	29.5	83.9	181.9	19.3	73.0423	11.0654	1.26605	7.3	0.9	5.4	1.0	2.5	0.3	3.2	0.3	34.8	2.2	8.5	353.4	21.5	664.3		
SMDH 00035	12.9	36.3	78.2	8.6	31.3038	5.87848	1.15095	3.9	0.3	2.7	0.3	1.1	0.3	1.4	0.3	13.1	0.9	7.3	313.5	20.0	622.1	1.2	1.5
SMDH 00035	4.6	13.9	26.2	2.9	9.27521	1.26791	1.61133	1.0	0.3	0.9	0.3	0.3	0.3	0.3	0.3	3.3	0.3	4.5	200.6	12.9	399.2		
SMDH 00035	3.4	10.9	21.7	2.0	6.95641	1.15264	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.4	0.3	6.4	306.2	17.2	417.9		
SMDH 00035	3.4	10.9	21.7	2.0	6.95641	1.15264	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.4	0.3	6.4	306.2	17.2	417.9		
SMDH 00036	19.9	63.4	137.0	15.9	55.6513	10.6043	1.49624	7.0	0.8	3.9	0.7	1.7	0.3	1.9	0.3	27.9	1.7	7.9	334.9	22.9	740.7		1.6
SMDH 00036	35.4	84.6	178.3	21.7	75.3611	14.408	1.38114	9.4	1.3	6.5	1.1	3.0	0.3	3.4	0.3	37.5	2.5	15.6	630.3	25.7	1005.1		
SMDH 00036	21.4	69.6	148.6	17.9	62.6077	10.7196	1.15095	7.6	0.9	4.2	0.7	1.6	0.3	1.9	0.3	33.6	2.2	14.2	566.4	15.7	749.8		
SMDH 00036	13.2	41.8	85.4	11.2	32.4632	5.76321	1.15095	4.7	0.3	3.2	0.3	1.0	0.3	1.3	0.3	16.5	1.7	6.3	266.0	20.0	704.0		1.4
SMDH 00036	13.4	55.3	122.5	13.6	46.3761	9.10587	1.03586	5.7	0.6	3.0	0.3	1.3	0.3	1.3	0.3	25.3	2.4	8.7	376.9	27.2	1007.2	2.8	
SMDH 00036	8.5	39.4	83.9	9.8	33.6226	6.80059	0.92076	4.0	0.3	2.2	0.3	0.7	0.3	0.8	0.3	16.0	1.3	6.3	259.4	22.9	743.8		
SMDH 00036	10.1	40.9	82.9	9.6	32.4632	5.76321	1.38114	4.0	0.3	2.4	0.3	0.8	0.3	0.9	0.3	14.3	1.2	3.8	168.6	14.3	475.1	1.9	1.2
SMDH 00036	6.3	33.9	71.2	7.7	26.6662	4.03425	1.61133	2.9	0.3	1.1	0.3	0.6	0.3	0.7	0.3	11.4	0.9	5.0	266.9	15.7	786.0		
SMDH 00036	16.0	74.9	157.7	18.5	60.2889	10.7196	1.84152	6.0	0.6	3.2	0.6	1.4	0.3	1.7	0.3	29.1	1.7	11.8	511.5	14.3	945.6		
SMDH 00036	5.2	22.3	45.5	5.2	17.391	2.76634	1.49624	1.6	0.3	0.9	0.3	0.3	0.3	0.3	0.3	7.4	0.3	6.4	266.1	12.9	729.7		1.7
SMDH 00036	9.0	37.3	77.5	8.6	28.985	5.41742	1.26605	3.3	0.3	1.6	0.3	0.8	0.3	1.0	0.3	13.7	1.2	6.5	292.2	18.6	904.5		
SMDH 00036	20.2	98.9	207.2	24.1	82.3175	12.9096	1.61133	7.1	0.8	4.5	0.8	2.1	0.3	2.2	0.3	37.8	2.0	12.6	560.9	21.5	1364.4	0.8	
SMDH 00036	13.3	48.8	101.5	11.5	39.4197	6.91585	1.72643	4.0	0.6	2.7	0.3	1.1	0.3	1.3	0.3	18.4	1.8	13.3	603.8	41.5	1480.0		1.6
SMDH 00036	22.7	88.2	189.1	21.1	71.8829	10.8348	1.72643	7.3	0.8	4.4	0.8	2.1	0.3	2.0	0.3	33.6	2.1	10.0	461.8	25.7	958.4		
SMDH 00036	19.0	57.3	121.6	13.3	46.3761	7.95323	1.38114	5.7	0.6	3.9	0.7	1.7	0.3	2.3	0.3	20.1	1.8	5.4	224.2	15.7	830.9		
SMDH 00036	29.5	78.1	169.9	18.5	62.6077	11.0654	1.72643	6.8	0.8	5.6	1.0	3.1	0.3	3.3	0.3	29.9	1.9	6.1	257.5	15.7	708.2		1.3
SMDH 00036	22.2	88.6	178.3	20.3	69.5641	10.6043	1.49624	6.8	0.7	3.9	0.9	1.9	0.3	2.2	0.3	30.3	2.0	10.3	440.6	28.6	864.5		
SMDH 00036	24.2	83.8	168.3	18.6	62.6077	10.3738	1.38114	6.1	0.8	3.7	0.9	2.2	0.3	2.3	0.3	29.2	2.0	10.8	485.1	37.2	1055.1	0.9	1.6
SMDH 00036	31.9	60.5	124.2	13.7	49.8543	7.83797	1.72643	5.7	0.8	5.2	1.3	2.7	0.6	3.2	0.3	20.8	1.9	15.2	680.1	32.9	1216.3		
SMDH 00036	31.9	60.5	124.2	13.7	49.8543	7.83797	1.72643	5.7	0.8	5.2	1.3	2.7	0.6	3.2	0.3	20.8	1.9	15.2	680.1	32.9	1216.3		
SMDH 00037	32.6	120.6	265.0	31.8	112.462	19.7102	0.80567	12.6	1.4	6.5	1.1	2.7	0.3	3.1	0.3	62.2	3.8	27.7	1208.4	7.2	424.2		
SMDH 00037	37.6	124.3	243.1	24.1	98.5491	18.4423	1.95662	11.0	1.6	7.3	1.3	3.1	0.3	3.1	0.3	51.3	2.8	12.3	571.0	20.0	801.2		1.4
SMDH 00037	14.2	52.7	100.5	10.6	40.5791	7.03112	1.84152	4.2	0.6	2.9	0.3	1.1	0.3	1.1	0.3	20.8	0.8	7.9	385.8	12.9	571.1		
SMDH 00037	13.1	82.1	164.2	16.8	63.7671	11.4112	1.72643	6.9	0.8	3.3	0.3	0.9	0.3	0.8	0.3	30.4	1.2	5.3	242.6	14.3	645.9		
SMDH 00037	20.8	99.8	208.1	21.0	81.1581	13.947	1.49624	8.4	1.1	4.7	0.8	1.7	0.3	1.8	0.3	45.5	1.3	7.7	356.1	28.6	846.1		
SMDH 00037	7.9	53.5	107.1	10.6	39.4197	6.80059	1.49624	4.2	0.3	1.9	0.3	0.6	0.3	0.3	0.3	22.7	0.6	6.0	270.2	17.2	636.8	0.9	
SMDH 00037	7.1	47.6	91.5	9.2	34.782	6.109	1.84152	3.1	0.3	1.6	0.3	0.6	0.3	0.6	0.3	19.0	0.3	4.7	241.1	14.3	565.1		1.7
SMDH 00037	17.9	111.7	224.3	22.2	88.1145	15.6759	1.61133	8.5	1.1	4.2	0.6	1.5	0.3	1.3	0.3	48.6	1.3	9.9	467.6	22.9	1040.4		
SMDH 00037	10.5	76.3	154.1	15.3	60.2889	11.4112	1.61133	6.1	0.8	3.1	0.3	0.9	0.3	0.9	0.3	33.8	0.9	5.3	239.4	11.4	508.3		
SMDH 00037	20.3	79.8	171.0	19.8	71.8829	13.7164	1.03586	8.6	0.9	4.4	0.8	1.8	0.3	2.0	0.3	34.9	1.8	9.3	367.3	17.2	722.5	1.0	1.7
SMDH 00037	11.7	119.1	245.3	27.7	103.187	17.0591	1.49624	10.2	0.9	3.1	0.3	0.8	0.3	0.6	0.3	48.0	2.2	11.2	463.2	34.3	1237.6		
SMDH 00037	13.9	70.6	139.6	17.1	57.9701	9.6822	1.84152	7.0	0.8	3.3	0.6	1.1	0.3	1.3	0.3	26.0	1.4	6.0	243.5	24.3	722.5		
SMDH 00037	9.1	114.1	236.7	27.3	93.9115	16.2523	1.61133	9.1	0.9	3.3	0.3	0.3	0.3	0.3	0.3	46.2	1.7	9.4	399.3	37.2	1082.2		1.6
SMDH 00037	19.4	64.5	149.1	15.9	59.1295	10.2585	0.28774	6.6	0.7	3.6	0.7	1.8	0.3	1.9	0.3	31.3	1.9	13.8	571.7	15.7	460.2		
SMDH 00037	19.3	94.7	201.1	23.5	82.3175	14.0622	1.61133	9.3	1.1	4.0	0.7	1.5	0.3	1.7	0.3	40.4	1.8	8.8	379.7	25.7	957.3	1.6	
SMDH 00037	19.3	94.7	201.1	23.5	82.3175	14.0622	1.61133	9.3	1.1	4.0	0.7	1.5	0.3	1.7	0.3	40.4	1.8	8.8	379.7	25.7	957.3	1.6	
SMDH 00038	45.2	114.3	235.7	31.1	99.7085	19.5949	1.84152	11.3	1.3	7.6	1.3	3.5	0.3	3.4	0.6	43.8	2.2	22.2	1156.0	17.2	777.6	2.0	
SMDH 00038	44.1	118.0	252.1	33.4	106.665	18.9033	1.84152	11.6	1.2	7.1	1.3	3.7	0.3	3.6	0.3	51.6	2.5	19.1	828.6	14.3	745.6		
SMDH 00038	22.9	101.7	219.6	27.9	93.9115	15.9065	1.61133	8.8	0.8	4.4	0.7	1.9	0.3	1.8	0.3	51.3	1.8	8.3	367.8	14.3	784.2		1.5
SMDH 00038	11.9	75.4	155.4	19.6	61.4483	10.7196	1.26605	6.1	0.3	3.0	0.3	1.1	0.3	0.8	0.3	41.1	1.2	4.6	179.0	7.2	412.8		
SMDH 00038	11.9	76.6	161.7	20.2	64.9265	11.1806	1.61133	5.7	0.3	2.6	0.3	0.8	0.3	0.7	0.3	36.9	0.9	3.9	145.6	10.0	483.3	1.1	1.3
SMDH 00038	12.4	88.4	196.1	25.0	77.6799	14.6386	1.61133	8.0	0.7	3.1	0.3	0.8	0.3	0.3	0.3	47.4	1.5	5.7	234.5	11.4	563.2		
SMDH 00038	9.9	97.0	191.9	21.5	74.2017	10.7196	1.49624	6.3	0.6	2.4	0.3	0.7	0.3	0.6	0.3	37.8	0.9	5.7	249.6	17.2	543.3		
SMDH 00038	7.0	57.2	115.5	13.0	44.0573	7.14638	1.84152	4.1	0.3	1.6	0.3	0.6	0.3	0.6	0.3	24.2	0.7	9.6	420.5	12.9	827.1		1.6
SMDH 00038	11.3	107.5	220.9	25.8	89.2739	14.2928	1.84152	7.9	0.7	3.1	0.3	0.3	0.3	0.3	0.3	45.3	1.1	4.1	178.3	10.0	313.5		
SMDH 00038	11.5	114.7	244.5	25.3	91.5927	14.2928	1.72643	8.1	0.7	2.9	0.3	0.6	0.3	0.3	0.3	47.7	1.4	5.9	233.7	8.6	443.6	0.4	
SMDH 00039	19.6	79.4	194.7	21.7	70.7235	12.6791	1.03586	7.1	0.9	4.5	0.8	2.1	0.3	2.6	0.3	47.0	2.1	25.1	1047.3	15.7	949.8		1.6
SMDH 00039	43.5	130.6	185.0	33.6	112.462	18.2117	2.76229	12.3	1.4	8.2	1.5	4.5	0.7	4.3	0.3	28.8	1.2	13.2	570.3	12.9	908.0		
SMDH 00039	28.6	123.2	249.0	28.6	97.3897	15.7912	1.61133	9.6	1.2	5.4	1.0	3.0	0.3	2.6	0.3	51.1	1.4	13.0	571.5	28.6	1198.1	3.9	
SMDH 00039	15.0	96.4	205.0	24.6	82.3175	13.1401	1.15095	7.9	0.8	3.6	0.3	1.5	0.3	1.3	0.3	44.7	1.3	14.3	631.4	17.2	995.8		1.4
SMDH 00039	15.7	69.2	152.5	14.5	53.3325	9.3364	1.15095	4.7	0.3	3.2	0.3	1.3	0.3	1.3	0.3	28.3	0.8	7.2	356.7	14.3	851.9		
SMDH 00039	37.4	111.5	231.6	28.0	95.0709	15.9065	1.61133	11.1	1.3	6.8	1.3	4.5	0.3	3.4	0.6	47.6	1.5	10.8	483.3	17.2	911.0		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00039	17.7	93.8	191.9	22.7	77.6799	11.9875	1.84152	8.2	0.8	4.5	0.6	1.9	0.3	1.1	0.3	38.4	1.3	9.1	418.3	10.0	459.9	1.1	1.5
SMDH 00039	18.5	104.2	212.8	25.2	85.7957	14.1775	1.84152	9.1	1.1	4.7	0.7	2.1	0.3	1.0	0.3	42.8	1.4	8.8	386.3	14.3	738.1		
SMDH 00039	37.9	113.6	237.3	28.0	93.9115	17.2896	1.95662	10.8	1.4	7.4	1.3	4.2	0.3	3.0	0.3	47.2	1.7	10.5	462.1	18.6	928.5		
SMDH 00039	51.6	121.4	257.8	30.5	103.187	18.6728	2.07171	12.1	1.6	8.7	1.7	5.9	0.7	4.2	0.7	49.9	1.7	10.0	433.5	22.9	1042.7		1.7
SMDH 00039	47.5	104.4	220.1	25.7	84.6363	16.4828	1.72643	11.0	1.4	8.8	1.6	5.5	0.7	4.3	0.6	41.2	2.2	11.7	528.3	38.6	1057.5	0.6	
SMDH 00039	48.5	118.6	263.1	32.9	105.506	19.5949	1.61133	11.7	1.3	8.6	1.4	3.7	0.3	3.1	0.7	56.8	1.9	12.5	563.3	25.7	1180.8		
SMDH 00039	35.9	121.0	251.7	30.0	104.346	16.3675	1.61133	10.4	1.3	6.6	1.4	3.0	0.3	3.9	0.3	52.9	1.7	12.3	509.5	24.3	1117.0	1.7	1.6
SMDH 00039	36.8	117.1	252.7	32.3	105.506	17.1744	1.15095	10.4	1.1	6.2	1.3	3.3	0.3	3.5	0.3	53.3	1.2	10.7	525.3	18.6	1117.5		1.5
SMDH 00039	41.9	126.1	278.4	35.7	113.621	20.9781	1.95662	11.2	1.2	7.9	1.4	3.8	0.3	4.0	0.7	62.8	1.4	11.7	507.4	17.2	1075.2		
SMDH 00040	39.5	196.6	400.2	47.6	186.664	28.1245	1.26605	16.4	1.8	8.1	1.4	3.1	0.3	2.7	0.6	85.3	4.0	23.8	1079.6	17.2	432.8		
SMDH 00040	40.6	180.2	379.7	43.4	169.273	24.7818	1.38114	15.2	1.5	7.6	1.4	3.1	0.3	3.0	0.3	81.8	3.2	18.8	835.6	21.5	791.9		1.3
SMDH 00040	33.2	172.7	356.3	40.2	157.679	24.2055	1.84152	13.2	1.4	7.3	1.1	2.7	0.3	2.0	0.3	73.4	2.9	13.0	577.1	24.3	1069.1		
SMDH 00040	45.8	185.0	386.4	44.6	172.751	25.8192	1.84152	15.0	1.6	8.1	1.5	3.7	0.6	3.3	0.6	78.4	2.1	13.4	574.1	20.0	886.9	1.3	
SMDH 00040	23.3	73.7	146.3	16.2	63.7671	8.87535	1.61133	5.6	0.7	3.7	0.8	2.1	0.3	1.9	0.3	28.8	0.8	5.3	239.0	14.3	644.0		1.5
SMDH 00040	54.0	124.1	245.3	27.9	111.303	16.0217	1.84152	10.4	1.4	8.4	1.7	4.7	0.8	4.9	0.8	49.1	1.2	7.3	312.3	17.2	733.7		
SMDH 00040	12.7	82.4	159.3	21.3	70.7235	11.2959	1.61133	6.2	0.7	2.6	0.3	1.4	0.3	1.4	0.3	36.3	0.9	11.1	462.1	20.0	1002.3		
SMDH 00040	37.1	111.2	230.8	26.8	92.7521	16.4828	1.15095	9.5	1.2	6.3	1.1	3.0	0.3	3.0	0.3	44.3	1.5	11.7	492.9	34.3	903.1		
SMDH 00040	38.8	161.0	345.3	41.7	146.085	22.7071	1.26605	13.4	1.5	7.3	1.4	3.3	0.6	4.1	0.3	73.0	2.7	13.8	600.0	20.0	868.3		
SMDH 00040	9.9	117.4	238.2	31.6	107.824	17.0591	1.15095	8.9	0.7	2.9	0.3	0.9	0.3	0.7	0.3	56.9	1.9	19.6	855.7	40.1	1952.1	0.9	1.7
SMDH 00040	32.7	144.5	293.2	40.0	137.969	22.246	1.72643	11.8	1.4	7.0	1.1	3.1	0.3	3.2	0.3	71.9	1.9	13.9	636.1	30.0	1253.7		
SMDH 00040	41.2	152.2	309.0	42.5	143.766	24.6665	1.61133	14.7	1.6	8.6	1.5	3.9	0.6	3.9	0.3	73.5	2.4	16.4	712.3	22.9	1218.9		
SMDH 00040	44.4	132.2	270.0	35.8	121.737	21.4391	1.49624	13.9	1.4	8.2	1.3	3.7	0.3	3.5	0.3	62.1	1.8	10.5	453.1	21.5	967.3		1.6
SMDH 00040	42.3	148.2	302.9	40.5	135.65	22.246	1.61133	13.2	1.6	8.6	1.5	3.8	0.6	4.0	0.6	75.3	2.4	13.4	581.1	22.9	1208.4	0.5	
SMDH 00040	6.3	27.5	50.6	6.6	23.188	3.2274	1.95662	2.2	0.3	1.3	0.3	0.6	0.3	0.8	0.3	10.4	0.3	3.8	166.4	11.4	551.7		
SMDH 00040	6.3	27.5	50.6	6.6	23.188	3.2274	1.95662	2.2	0.3	1.3	0.3	0.6	0.3	0.8	0.3	10.4	0.3	3.8	166.4	11.4	551.7		
SMDH 00041																					658.3		
SMDH 00041	32.4	73.3	173.7	17.5	60.2889	10.6043	1.15095	7.1	0.9	5.2	0.9	3.2	0.3	3.1	0.3	29.2	1.7	6.3	269.5	21.5	760.8		
SMDH 00041	35.1	81.8	172.8	19.2	67.2453	12.1027	1.61133	7.8	0.9	5.7	1.3	3.7	0.6	3.6	0.3	31.2	1.7	7.5	323.9	32.9	798.6	1.1	1.3
SMDH 00041	33.3	99.8	221.1	25.5	86.9551	14.5233	1.72643	10.2	1.3	6.2	1.1	3.2	0.3	2.8	0.3	46.0	2.8	8.5	355.1	27.2	701.5		
SMDH 00041	38.3	111.0	240.4	27.5	97.3897	16.9438	1.95662	12.3	1.4	6.9	1.3	4.0	0.7	3.5	0.6	51.7	2.7	8.6	336.9	24.3	801.7		
SMDH 00041	31.4	110.9	239.1	26.8	93.9115	15.7912	1.84152	10.7	1.3	6.3	1.1	2.9	0.3	2.8	0.3	48.6	2.6	9.1	386.2	22.9	938.3		1.5
SMDH 00041	30.5	91.6	197.1	22.6	77.6799	13.6012	1.95662	9.3	1.1	5.5	1.0	3.0	0.3	2.7	0.3	40.5	2.2	9.4	387.5	21.5	798.6	0.8	
SMDH 00041	36.6	87.4	192.3	22.0	75.3611	13.1401	1.72643	9.3	1.2	6.0	1.3	3.7	0.7	4.0	0.6	39.6	2.6	13.1	515.9	24.3	1138.8		
SMDH 00041	36.8	83.6	181.5	21.7	70.7235	12.218	2.07171	8.7	1.1	5.7	1.3	3.7	0.6	3.5	0.6	36.9	2.0	7.4	301.9	17.2	619.5		1.5
SMDH 00041	45.8	130.2	288.9	32.1	110.143	18.9033	2.07171	13.7	1.6	9.0	1.6	4.7	0.8	4.4	0.6	58.3	3.2	15.4	570.4	30.0	1119.8		
SMDH 00041	28.9	98.6	214.8	24.0	81.1581	14.2928	1.84152	9.9	1.2	6.2	0.9	2.6	0.3	2.7	0.3	43.5	2.8	10.8	430.4	28.6	822.9	0.6	
SMDH 00041	30.8	93.6	203.6	23.7	81.1581	14.1775	1.84152	10.1	1.2	6.3	1.0	2.4	0.3	2.4	0.3	42.5	2.4	9.3	389.7	21.5	871.8		1.5
SMDH 00041	32.4	120.8	263.5	29.9	106.665	17.1744	1.72643	12.1	1.4	6.8	1.1	2.4	0.3	2.0	0.3	54.4	3.4	9.2	413.2	21.5	887.6		
SMDH 00041	28.9	93.2	199.8	23.4	81.1581	14.1775	1.61133	9.4	1.1	5.5	0.9	2.5	0.3	2.5	0.3	41.7	2.2	10.5	438.1	20.0	1053.0		
SMDH 00041	22.3	120.7	260.2	30.6	106.665	18.4423	1.95662	11.7	1.2	5.3	0.9	1.9	0.3	1.8	0.3	52.7	2.6	13.3	595.7	21.5	954.4	0.4	1.5
SMDH 00041	24.8	112.3	241.6	27.6	96.2303	17.0591	1.84152	10.1	1.2	5.5	0.8	1.8	0.3	2.0	0.3	51.2	2.1	8.3	360.0	17.2	913.1		
SMDH 00041	41.4	146.3	295.2	33.1	128.694	20.1712	1.95662	13.5	1.5	7.3	1.4	3.7	0.7	4.1	0.7	60.8	2.9	17.9	979.9	34.3	810.3		
SMDH 00041	19.1	96.5	191.4	21.6	81.1581	12.7943	1.61133	8.0	0.8	3.7	0.8	2.2	0.3	2.3	0.3	35.8	1.8	9.2	388.9	28.6	805.2	0.6	
SMDH 00041	19.1	96.5	191.4	21.6	81.1581	12.7943	1.61133	8.0	0.8	3.7	0.8	2.2	0.3	2.3	0.3	35.8	1.8	9.2	388.9	28.6	805.2	0.6	
SMDH 00042	30.0	100.5	216.3	24.3	82.3175	13.4859	1.38114	9.1	1.1	5.2	0.9	2.4	0.3	2.6	0.3	43.5	2.1	8.6	364.6	14.3	687.2		0.9
SMDH 00042	37.6	98.6	206.1	24.5	81.1581	12.5638	1.84152	9.4	1.2	6.6	1.1	2.9	0.3	3.4	0.3	38.3	2.2	8.7	352.6	18.6	899.8		
SMDH 00042	36.8	97.0	208.7	24.7	81.1581	12.1027	1.38114	8.7	1.2	6.3	1.1	2.7	0.3	3.5	0.3	37.0	1.7	11.0	453.3	15.7	886.7		
SMDH 00042	30.2	105.1	225.9	25.9	88.1145	13.0249	1.38114	8.7	0.9	5.2	0.9	2.2	0.3	2.4	0.3	41.5	1.4	8.5	318.1	14.3	757.1	0.8	1.5
SMDH 00042	46.0	109.9	231.9	27.6	89.2739	14.408	1.38114	10.5	1.4	7.3	1.4	3.4	0.3	4.1	0.3	43.0	2.8	9.0	347.0	24.3	889.3		
SMDH 00042	39.0	87.2	185.3	21.1	71.8829	10.9501	1.38114	8.6	1.2	6.2	1.1	3.0	0.3	3.6	0.3	34.3	1.7	7.5	284.5	15.7	780.4		
SMDH 00042	35.6	104.3	210.5	23.4	82.3175	12.5638	1.49624	8.7	1.3	6.3	1.1	3.7	0.3	3.4	0.3	37.2	1.8	9.9	394.7	21.5	760.8	0.9	
SMDH 00042	39.9	97.7	200.9	22.6	81.1581	13.0249	1.49624	8.5	1.1	6.6	1.3	4.3	0.6	4.0	0.3	35.3	1.4	7.7	289.7	24.3	893.0		
SMDH 00042	40.2	101.7	207.4	23.4	79.9987	12.7943	1.49624	8.7	1.2	6.8	1.3	4.3	0.3	3.9	0.3	38.5	1.4	8.3	331.2	21.5	868.3		1.6
SMDH 00042	38.1	101.4	204.5	23.1	78.8393	13.2554	1.61133	8.7	1.2	7.0	1.3	4.5	0.6	3.9	0.3	38.0	1.4	8.5	338.5	20.0	769.0		
SMDH 00042	33.6	120.6	245.4	28.0	95.0709	15.5607	1.84152	10.4	1.2	6.1	1.1	3.7	0.3	3.4	0.3	45.2	1.5	9.1	358.2	21.5	846.3	0.3	
SMDH 00042	39.8	121.4	252.9	29.1	100.868	15.7912	1.49624	10.0	1.3	6.5	1.3	4.5	0.6	4.1	0.6	46.3	1.7	10.3	389.3	21.5	934.4		1.5
SMDH 00042	30.9	104.4	210.0	24.1	82.3175	13.0249	1.61133	8.5	0.9	5.6	1.0	3.2	0.3	2.8	0.3	38.6	1.5	7.7	297.7	17.2	733.2		
SMDH 00042	33.6	98.0	197.3	22.5	78.8393	11.8722	1.49624	8.4	1.1	6.1	1.1	3.7	0.3	3.2	0.3	36.1	2.2	9.1	340.5	20.0	752.4		
SMDH 00043	36.1	105.1	209.4	26.9	91.5927	14.2928	1.26605	10.7	1.2	7.0	1.4	3.1	0.3	3.0	0.3	40.3	2.6	13.0	529.4	15.7	538.0		
SMDH 00043	56.9	155.2	267.6	41.0	163.476	27.0871	1.61133	16.8	2.1	10.9	2.1	6.5	0.8	4.8	0.7	77.2	3.7	14.5	641.1	20.0	729.0	1.5	1.6
SMDH 00043	52.2	190.0	384.6	47.2	165.794	25.8192	1.84152	19.8	2.2	11.3	1.9	4.2	0.6	3.5	0.6	76.4	4.1	17.0	721.7	20.0	948.4		
SMDH 00043	10.4	54.1	105.8	12.7	42.8979	5.87848	1.72643	4.6	0.3	2.2	0.3	0.7	0.3	0.6	0.3	19.3	0.9	11.4	514.2	14.3	738.4		
SMDH 00043	14.8	66.1	126.9	15.5	53.3325	8.52955	1.61133	5.8	0.7	3.3	0.3	1.1	0.3	1.0	0.3	22.8	1.2	11.6	495.5	18.6	901.2		1.5
SMDH 00043	22.4	88.7	177.5	21.9	76.5205	12.1027	1.72643	8.8	1.1	5.2	0.9	1.8	0.3	1.4	0.3	35.8	1.7	11.0	479.5	20.0	1007.5	0.8	
SMDH 00043	37.0	105.2	217.6	27.5	93.9115	15.2149	1.84152	11.6	1.3	7.8	1.4	2.9	0.3	2.7	0.3	41.2	2.4	10.6	431.9	18.6	932.0		
SMDH 00043	44.5	120.4	255.0	30.0	104.346	18.0965	2.18681	12.7	1.6	7.6	1.5	3.2	0.3	3.2	0.3	53.0	2.8	11.1	447.0	24.3	1107.2		1.5
SMDH 00043	48.4	117.3	252.5	29.4	99.7085	17.9812	1.95662	11.7	1.5	8.0	1.6	3.4	0.3	4.0	0.3	49.6	2.5	11.1	459.3	21.5	1192.7		
SMDH 00043	28.8	151.1	326.0	37.7	131.012	22.1307	2.07171	14.7	1.6	6.9	1.0	1.9	0.3	1.4	0.3	64.6	2.5	12.0	480.5	20.0	1192.7	0.2	
SMDH 00043	28.8	151.1	326.0	37.7	131.012	22.1307	2.07171	14.7	1.6	6.9	1.0	1.9	0.3	1.4	0.3	64.6	2.5	12.0	480.5	20.0	1192.7	0.2	
SMDH 00044	40.3	111.6	232.1	27.3	93.9115	17.4049	1.26605	11.2	1.3	7.9	1.3	4.6	0.3	3.8	0.3	46.7	2.8	13.0	539.0	15.7	623.5		
SMDH 00044	49.3	121.9	252.7	30.1	105.506	18.327	1.72643	13.2	1.5	9.5	1.7	5.9	0.7	4.3	0.3	52.6	3.3	10.0	437.9	18.6	787.2		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00044	75.3	94.6	197.3	24.4	81.1581	15.5607	1.49624	11.0	1.5	11.6	2.7	9.6	1.3	8.1	0.9	40.1	2.7	10.6	442.7	21.5	885.8		1.6
SMDH 00044	27.1	52.4	107.3	12.0	39.4197	7.37691	1.84152	5.0	0.7	4.8	0.9	3.7	0.3	2.5	0.3	18.7	1.2	7.9	341.1	18.6	710.8	0.7	
SMDH 00044	60.1	103.0	205.1	24.0	83.4769	13.7164	1.61133	10.0	1.4	9.7	2.1	7.5	0.9	6.1	0.8	38.2	2.1	13.4	552.2	34.3	1280.5		
SMDH 00044	23.3	82.3	168.4	19.9	67.2453	11.5264	1.38114	8.1	0.9	4.7	0.8	2.1	0.3	1.7	0.3	31.5	2.1	12.4	504.0	24.3	959.8		1.5
SMDH 00044	40.8	90.9	187.9	21.9	73.0423	13.1401	1.26605	9.6	1.2	7.2	1.5	4.9	0.7	4.5	0.3	34.1	2.1	9.8	435.9	27.2	912.6		
SMDH 00044	33.7	114.0	236.7	28.0	92.7521	16.5981	1.61133	11.0	1.4	7.2	1.3	3.8	0.3	2.7	0.3	44.7	3.1	10.3	435.1	27.2	948.6	0.3	
SMDH 00044	31.9	80.6	157.7	19.9	69.5641	11.6417	1.84152	8.4	1.1	6.0	1.1	2.6	0.3	2.4	0.3	28.6	2.0	9.7	405.5	15.7	915.4		1.7
SMDH 00044	35.7	93.9	188.5	23.4	78.8393	12.5638	1.61133	10.5	1.3	7.0	1.3	3.1	0.3	3.2	0.3	35.3	3.7	10.8	490.5	18.6	1007.5		
SMDH 00044	35.7	93.9	188.5	23.4	78.8393	12.5638	1.61133	10.5	1.3	7.0	1.3	3.1	0.3	3.2	0.3	35.3	3.7	10.8	490.5	18.6	1007.5		
SMDH 00045	41.2	106.3	219.2	26.5	84.6363	15.5607	1.49624	10.2	1.2	6.9	1.4	4.7	0.3	4.0	0.6	44.3	2.7	15.4	674.6	21.5	798.9		1.5
SMDH 00045	45.4	119.1	248.5	31.2	102.027	17.7507	1.61133	12.4	1.4	8.0	1.5	5.0	0.6	4.2	0.7	51.3	3.2	20.0	885.0	17.2	822.5	2.3	
SMDH 00045	50.1	195.5	411.7	47.3	163.476	27.7787	1.95662	17.5	2.1	11.3	1.9	4.3	0.3	4.3	0.6	82.7	4.0	15.3	694.0	21.5	588.4		
SMDH 00045	42.5	83.3	174.2	19.7	69.5641	12.6791	1.49624	8.6	1.2	7.3	1.7	3.4	0.6	4.1	0.3	34.3	2.6	7.9	346.1	18.6	693.8		1.6
SMDH 00045	48.8	96.7	199.6	23.2	77.6799	14.2928	1.72643	9.4	1.4	7.9	1.6	4.6	0.6	4.2	0.3	38.4	2.8	9.6	384.7	24.3	927.6		
SMDH 00045	66.3	99.4	208.8	24.7	83.4769	14.9844	1.72643	10.3	1.5	10.2	2.2	5.6	0.9	6.0	0.8	40.8	3.3	9.9	440.8	25.7	1094.6	0.3	
SMDH 00045	46.8	135.8	288.6	33.1	117.1	19.8254	1.72643	13.1	1.6	8.7	1.8	3.7	0.3	3.6	0.3	57.3	4.0	11.9	531.5	21.5	1068.9		1.5
SMDH 00045	26.0	111.7	231.3	26.9	96.2303	15.9065	1.38114	9.6	1.2	5.8	0.9	1.9	0.3	1.5	0.3	45.7	3.1	19.6	862.9	31.5	1747.3		
SMDH 00045	29.0	120.6	252.7	29.1	103.187	17.6354	1.49624	11.1	1.5	7.3	1.3	2.3	0.3	1.7	0.3	49.2	3.7	17.0	771.8	30.0	1492.9		
SMDH 00045	61.2	127.9	275.0	31.8	110.143	16.8286	1.49624	13.2	1.8	10.5	2.2	5.7	0.8	6.7	0.9	53.1	3.5	14.6	667.6	31.5	1508.3	0.4	1.5
SMDH 00045	42.2	93.5	196.3	23.2	78.8393	13.7164	1.61133	9.3	1.3	7.8	1.5	4.1	0.6	4.4	0.6	39.0	2.9	10.0	402.1	21.5	1068.9		
SMDH 00045	18.2	69.7	147.3	16.3	60.2889	9.6822	1.26605	6.5	0.7	3.8	0.6	1.8	0.3	1.4	0.3	28.5	1.4	8.7	328.2	12.9	750.5		
SMDH 00045	40.9	69.9	145.5	16.3	59.1295	9.56693	1.26605	7.8	1.1	6.2	1.3	4.2	0.6	4.7	0.6	26.8	2.2	9.4	377.5	21.5	972.4		1.6
SMDH 00046	10.8	27.4	55.9	6.4	22.0286	4.38004	0.28774	3.3	0.3	2.1	0.3	0.9	0.3	1.0	0.3	10.6	1.4	5.0	225.4	10.0	218.4		
SMDH 00046	17.5	48.6	95.3	11.4	40.5791	8.64482	0.92076	5.4	0.3	3.7	0.6	1.8	0.3	1.8	0.3	17.5	1.7	6.6	304.9	12.9	592.4		
SMDH 00046	39.8	132.2	270.1	31.9	111.303	18.5575	1.84152	14.0	1.5	8.1	1.4	3.5	0.3	2.7	0.3	50.1	3.7	14.6	659.5	17.2	1214.4		1.6
SMDH 00046	40.3	147.0	312.9	28.8	121.737	21.4391	1.61133	13.4	1.6	8.4	1.3	3.2	0.3	3.1	0.3	63.6	4.0	16.5	732.5	11.4	571.1		
SMDH 00046	58.4	179.5	367.9	42.6	159.997	26.8566	1.84152	18.4	2.1	11.9	1.9	4.9	0.7	5.0	0.6	73.7	4.4	21.1	930.0	15.7	1229.2	1.3	
SMDH 00046	44.7	190.2	390.8	46.0	156.519	27.4329	1.72643	18.3	1.9	8.9	1.4	4.0	0.6	3.0	0.3	79.5	3.8	8.1	353.4	12.9	1132.9		
SMDH 00046	18.1	64.5	131.5	14.5	51.0137	9.22114	1.15095	6.4	0.7	3.6	0.3	1.7	0.3	1.8	0.3	24.6	1.4	6.0	237.1	14.3	1388.5		1.5
SMDH 00046	16.2	61.2	121.5	14.3	47.5355	8.64482	1.15095	5.6	0.6	3.6	0.3	1.4	0.3	1.5	0.3	23.1	1.5	7.2	282.7	15.7	1110.7		
SMDH 00046	21.9	77.4	157.5	18.0	61.4483	10.8348	1.15095	8.0	0.8	4.0	0.8	2.2	0.3	1.8	0.3	30.9	2.7	10.0	394.2	20.0	995.3	1.1	
SMDH 00046	26.6	60.8	123.5	15.5	49.8543	8.76008	1.38114	6.1	0.7	4.5	0.9	3.2	0.3	2.4	0.3	24.1	2.1	10.0	411.3	18.6	840.9		1.5
SMDH 00046	44.1	74.4	150.9	18.1	61.4483	10.3738	1.15095	7.2	0.9	5.8	1.3	5.5	0.8	5.8	0.9	30.2	2.1	8.8	362.1	15.7	909.4		
SMDH 00046	39.0	73.2	163.0	18.5	62.6077	11.1806	1.49624	7.6	1.1	5.7	1.4	5.1	0.7	4.3	0.7	29.1	1.4	6.7	272.6	10.0	819.7		
SMDH 00046	35.5	86.8	177.5	21.1	74.2017	12.7943	1.03586	8.0	0.9	5.8	1.3	4.6	0.6	3.9	0.6	35.8	2.2	7.7	299.5	12.9	906.6		
SMDH 00046	29.8	76.6	156.9	18.6	66.0859	11.5264	1.15095	7.8	0.8	5.2	1.0	3.5	0.3	3.4	0.6	31.1	1.8	7.3	317.4	14.3	1019.6		
SMDH 00047	19.6	78.5	138.9	15.5	55.6513	9.79746	0.80567	6.3	0.8	4.8	0.6	2.1	0.3	2.2	0.3	24.2	2.0	10.6	444.4	10.0	483.5		
SMDH 00047	27.9	103.3	212.3	25.0	82.3175	15.3301	1.26605	10.3	1.1	5.7	1.0	2.2	0.3	1.8	0.3	39.3	2.9	11.3	478.6	12.9	583.3		1.6
SMDH 00047	25.9	141.0	284.9	34.0	107.824	18.7881	1.26605	13.1	1.4	6.1	0.9	1.9	0.3	1.7	0.3	54.6	4.1	10.0	402.4	18.6	516.7		
SMDH 00047	20.8	62.4	127.8	14.8	49.8543	8.64482	1.49624	6.1	0.8	4.1	0.6	1.6	0.3	1.5	0.3	21.7	1.3	6.7	293.0	25.7	923.4		
SMDH 00047	20.2	60.8	126.2	14.1	46.3761	8.29903	1.49624	5.8	0.7	3.7	0.7	1.7	0.3	1.6	0.3	21.5	1.2	7.2	303.3	20.0	815.9		1.4
SMDH 00047	21.0	68.2	138.2	15.6	49.8543	9.56693	1.49624	6.4	0.8	3.9	0.7	1.8	0.3	2.2	0.3	24.8	1.3	8.3	349.6	18.6	851.7		
SMDH 00047	18.0	61.4	127.4	14.5	48.6949	8.64482	1.61133	5.8	0.7	3.4	0.3	1.7	0.3	1.6	0.3	23.3	1.1	4.5	190.6	14.3	654.8		
SMDH 00047	40.7	83.5	172.7	19.6	64.9265	12.6791	1.61133	7.8	1.2	7.1	1.3	3.8	0.6	3.5	0.6	30.8	1.9	8.4	328.4	24.3	1015.4		1.5
SMDH 00047	19.1	66.0	126.0	14.2	52.1731	7.95323	1.61133	5.8	0.6	3.2	0.6	2.2	0.3	1.6	0.3	22.5	1.4	6.7	271.1	18.6	836.5		
SMDH 00047	22.1	70.4	140.9	16.1	55.6513	8.64482	1.61133	6.6	0.7	4.1	0.7	2.2	0.3	2.4	0.3	23.5	1.5	8.3	337.7	21.5	1325.4		
SMDH 00047	16.5	71.4	144.0	15.9	55.6513	8.76008	1.95662	5.6	0.6	3.2	0.3	1.4	0.3	1.3	0.3	23.7	1.2	9.9	445.6	14.3	1188.5	0.3	1.6
SMDH 00048	28.1	96.2	198.7	22.1	77.6799	13.2554	1.26605	8.1	0.9	5.3	0.9	2.3	0.3	2.4	0.3	39.1	3.4	13.8	606.4	24.3	726.0		
SMDH 00048	27.6	78.4	159.6	18.5	64.9265	11.6417	1.49624	7.8	0.9	5.0	0.8	2.1	0.3	1.9	0.3	30.7	2.6	8.0	323.1	21.5	688.4		1.4
SMDH 00048	20.8	39.8	84.1	10.2	35.9414	6.4548	1.15095	4.6	0.7	3.3	0.7	1.6	0.3	1.8	0.3	16.7	1.9	5.2	215.7	18.6	587.7	1.4	
SMDH 00048	27.8	54.4	112.8	12.7	46.3761	8.0685	1.26605	6.1	0.8	4.6	0.9	2.4	0.3	3.3	0.3	23.1	2.6	7.1	309.1	21.5	685.8		
SMDH 00048	51.6	83.8	177.0	20.4	70.7235	13.2554	1.61133	8.9	1.2	7.9	1.6	5.5	0.9	6.8	1.1	35.9	3.7	8.8	351.1	20.0	660.6		1.6
SMDH 00048	30.8	73.9	152.2	18.5	62.6077	10.6043	1.49624	8.5	1.1	5.5	1.1	3.3	0.3	3.1	0.3	28.7	3.1	9.6	376.1	21.5	729.7	1.3	
SMDH 00048	26.5	78.8	148.4	20.2	64.9265	10.9501	1.26605	8.4	0.9	4.9	0.9	3.1	0.3	2.5	0.3	29.5	2.5	12.7	432.4	22.9	951.9		1.5
SMDH 00048	23.8	90.8	171.8	23.7	74.2017	11.2959	1.38114	9.4	0.8	4.8	0.9	2.6	0.3	2.2	0.3	34.0	2.6	13.6	452.9	24.3	975.5		
SMDH 00048	14.8	84.4	153.0	21.1	68.4047	11.1806	1.61133	9.2	0.7	3.3	0.6	1.4	0.3	1.1	0.3	29.5	2.2	14.5	464.7	24.3	772.9		
SMDH 00048	22.7	57.5	109.6	15.4	51.0137	8.76008	1.15095	7.9	0.7	4.4	0.9	2.4	0.3	1.9	0.3	21.1	2.8	12.9	417.0	22.9	840.5	1.1	1.6
SMDH 00048	19.9	58.1	110.7	15.3	49.8543	7.26165	1.15095	7.7	0.8	3.9	0.8	2.3	0.3	1.9	0.3	20.6	2.6	13.4	427.9	20.0	772.9		
SMDH 00048	27.6	55.0	105.1	15.1	49.8543	9.91272	1.61133	9.1	0.9	5.3	1.0	3.0	0.3	2.4	0.3	20.3	2.9	11.1	367.7	17.2	1029.4		
SMDH 00048	27.6	55.0	105.1	15.1	49.8543	9.91272	1.61133	9.1	0.9	5.3	1.0	3.0	0.3	2.4	0.3	20.3	2.9	11.1	367.7	17.2	1029.4		
SMDH 00049	9.4	27.8	56.0	6.4	20.8692	3.91898	0.28774	2.2	0.3	1.8	0.3	0.8	0.3	0.8	0.3	9.8	1.1	4.0	173.3	21.5	154.9	0.2	
SMDH 00049	15.8	46.1	91.9	10.4	37.1009	6.80059	0.92076	3.8	0.3	3.1	0.3	1.3	0.3	1.4	0.3	16.9	1.5	6.6	277.7	10.0	364.6		1.6
SMDH 00049	18.4	55.8	114.2	13.1	45.2167	7.95323	1.26605	4.4	0.7	3.7	0.6	1.5	0.3	1.6	0.3	20.3	2.2	8.0	354.7	10.0	512.3		
SMDH 00049	7.6	19.4	35.2	3.7	12.7534	2.30528	2.87738	1.3	0.3	1.1	0.3	0.6	0.3	0.8	0.3	4.3	1.1	5.7	240.3	11.4	586.1		
SMDH 00049	7.6	19.7	36.3	4.0	12.7534	2.30528	2.87738	1.3	0.3	1.3	0.3	0.7	0.3	0.8	0.3	4.5	1.1	5.8	240.7	10.0	669.5	1.2	1.5
SMDH 00049	5.4	31.0	58.1	6.8	23.188	3.80372	1.84152	2.1	0.3	1.3	0.3	0.3	0.3	0.3	0.3	9.8	0.9	3.2	127.2	7.2	333.6		
SMDH 00049	10.1	44.3	86.8	9.7	32.4632	5.99374	1.49624	3.3	0.3	2.3	0.3	0.7	0.3	0.3	0.3	15.1	1.1	3.5	151.2	10.0	343.1		
SMDH 00049	12.4	52.2	106.1	11.8	39.4197	7.49218	1.49624	3.9	0.3	3.0	0.3	1.1	0.3	0.8	0.3	18.1	1.5	15.1	643.5	18.6	914.0		1.5
SMDH 00049	14.1	58.8	128.9	14.9	49.8543	9.56693	1.26605	5.7	0.7	3.3	0.3	1.0	0.3	0.9	0.3	25.2	1.9	6.6	292.6	12.9	600.3	1.3	
SMDH 00049	18.9	75.2	166.0	19.2	66.0859	12.218	1.26605	7.6	0.9	4.6	0.7	1.4	0.3	0.9	0.3	32.0	2.0	7.4	315.7	17.2	738.6		
SMDH 00049	15.3	92.3	193.1	22.6	75.3611	13.2554	1.49624	7.8	0.9	4.0	0.6	1.0	0.3	0.3	0.3	34.4	2.1	7.4	321.6	25.7	855.4		1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00049	20.5	92.4	183.6	21.1	73.0423	12.218	1.61133	8.7	0.9	4.5	0.8	1.5	0.3	1.8	0.3	33.6	1.5	11.0	472.6	34.3	1062.8	1.6	
SMDH 00049	12.5	80.2	161.6	19.2	66.0859	11.757	1.15095	7.6	0.6	3.2	0.3	1.0	0.3	0.8	0.3	31.8	1.7	9.4	427.0	17.2	897.0		1.6
SMDH 00049	14.3	100.2	208.8	23.7	83.4769	14.0622	1.26605	9.4	0.9	4.1	0.3	1.0	0.3	0.7	0.3	41.7	2.4	8.5	375.7	21.5	929.7		
SMDH 00050	27.4	92.4	198.1	22.6	75.3611	13.7164	1.26605	8.2	1.1	5.4	0.9	2.2	0.3	2.0	0.3	37.5	2.5	11.9	521.3	20.0	621.8		
SMDH 00050	19.6	68.5	144.3	17.1	55.6513	9.91272	1.61133	6.0	0.7	3.9	0.7	1.6	0.3	1.6	0.3	30.3	1.7	6.7	289.9	15.7	462.3	1.6	
SMDH 00050	19.1	50.9	108.8	12.6	41.7385	7.83797	0.80567	4.5	0.6	3.6	0.7	1.6	0.3	1.6	0.3	21.1	1.7	5.7	240.2	14.3	569.5		1.4
SMDH 00050	22.9	54.6	116.5	13.0	44.0573	8.41429	1.15095	5.4	0.7	4.2	0.8	1.7	0.3	1.6	0.3	21.8	1.4	8.4	320.3	20.0	679.7		
SMDH 00050	21.3	72.8	155.1	17.7	57.9701	11.1806	1.61133	6.6	0.8	4.6	0.7	1.5	0.3	1.3	0.3	30.1	2.0	6.5	282.3	27.2	795.8		
SMDH 00050	20.5	72.8	157.3	16.6	57.9701	11.0654	1.49624	6.2	0.8	4.5	0.7	1.6	0.3	1.1	0.3	30.0	2.0	6.8	282.3	28.6	941.4	0.7	1.4
SMDH 00050	15.8	60.9	129.5	14.1	47.5355	8.64482	1.49624	4.6	0.6	3.3	0.6	1.3	0.3	1.1	0.3	24.2	3.1	8.5	345.8	158.8	793.3		
SMDH 00050	11.3	68.2	140.6	16.8	56.8107	10.489	1.49624	6.1	0.6	3.0	0.3	0.8	0.3	0.7	0.3	29.4	1.3	7.5	332.3	20.0	794.2		
SMDH 00050	12.0	47.8	96.6	11.3	39.4197	7.14638	1.61133	4.6	0.3	2.6	0.3	1.0	0.3	1.0	0.3	19.3	0.8	4.1	190.5	18.6	805.9	0.8	1.6
SMDH 00050	15.5	68.5	138.7	16.3	59.1295	9.91272	1.84152	6.9	0.7	3.7	0.7	1.1	0.3	0.8	0.3	29.0	0.7	2.0	84.4	18.6	871.3		
SMDH 00051	36.9	207.2	424.7	47.0	171.591	28.1245	1.84152	16.4	1.9	8.2	1.4	2.6	0.3	2.5	0.3	88.4	4.6	22.3	969.1	18.6	527.0	4.4	1.5
SMDH 00051	15.1	63.0	128.2	15.7	54.4919	9.79746	1.15095	6.4	0.7	3.4	0.6	1.1	0.3	1.3	0.3	26.6	1.9	8.5	349.2	12.9	541.9		
SMDH 00051	18.0	49.5	96.6	12.1	40.5791	7.03112	1.03586	4.9	0.6	3.8	0.7	1.4	0.3	1.4	0.3	19.2	1.5	6.7	299.6	15.7	873.6		1.4
SMDH 00051	29.1	69.2	148.4	16.0	54.4919	10.489	1.15095	5.8	0.8	5.4	1.0	2.5	0.3	2.3	0.3	28.0	2.4	10.1	424.7	22.9	900.3		
SMDH 00051	17.9	52.9	113.2	12.4	41.7385	7.83797	1.49624	4.2	0.6	3.7	0.6	1.5	0.3	1.4	0.3	20.1	1.4	6.1	263.4	18.6	914.0		1.3
SMDH 00051	21.0	66.7	136.8	15.0	51.0137	9.45167	1.38114	5.2	0.7	4.2	0.7	1.7	0.3	1.6	0.3	23.8	1.8	6.8	288.9	25.7	727.4	1.0	
SMDH 00051	17.1	80.2	168.5	18.6	62.6077	10.9501	1.38114	6.0	0.8	4.0	0.6	1.4	0.3	0.7	0.3	30.9	1.9	8.8	371.2	20.0	922.2		
SMDH 00051	41.1	75.5	164.0	17.2	59.1295	11.0654	1.61133	6.4	1.1	6.6	1.4	3.4	0.3	3.4	0.3	30.0	2.5	7.9	330.7	22.9	807.1		1.4
SMDH 00051	27.4	55.8	118.9	12.7	44.0573	8.41429	1.49624	4.8	0.8	4.8	0.9	2.3	0.3	2.3	0.3	22.5	2.0	9.3	387.1	17.2	768.5		
SMDH 00051	25.5	77.3	164.4	18.6	62.6077	11.9875	1.26605	7.3	0.9	5.0	0.9	2.1	0.3	1.9	0.3	31.2	2.9	9.2	391.6	80.1	932.0		
SMDH 00052	22.8	94.3	192.5	22.7	77.6799	13.0249	0.92076	8.7	1.1	5.0	0.8	2.1	0.3	2.3	0.3	37.9	2.9	17.8	832.6	15.7	1055.8		1.5
SMDH 00052	14.1	35.9	90.6	8.3	30.1444	5.30216	0.92076	3.9	0.3	3.0	0.6	1.4	0.3	1.8	0.3	15.6	1.1	8.3	387.1	17.2	1037.4	3.0	
SMDH 00052	30.8	71.2	147.3	16.6	59.1295	9.79746	1.49624	6.3	0.8	5.0	1.0	2.5	0.3	3.1	0.3	26.0	1.7	10.0	450.4	12.9	590.5		1.3
SMDH 00052	14.6	24.2	49.2	5.4	18.5504	2.65108	0.80567	1.9	0.3	2.2	0.3	1.5	0.3	1.7	0.3	6.8	0.7	6.5	317.8	8.6	559.9		
SMDH 00052	30.5	52.0	114.8	13.1	44.0573	6.68533	1.15095	4.0	0.6	4.9	0.8	3.1	0.3	3.4	0.3	19.3	0.9	9.6	365.8	22.9	984.6		
SMDH 00052	23.8	25.6	54.9	5.9	18.5504	2.76634	1.26605	2.2	0.3	4.2	0.8	2.9	0.3	3.5	0.6	8.1	0.6	7.2	298.1	11.4	681.4	1.4	
SMDH 00052	18.8	15.3	30.9	3.1	10.4346	1.72896	1.03586	1.5	0.3	2.4	0.7	1.8	0.3	2.8	0.3	4.4	0.3	9.4	339.5	7.2	457.4		1.4
SMDH 00052	26.5	48.8	103.8	11.8	40.5791	6.22427	1.03586	4.2	0.7	4.2	0.9	2.7	0.3	2.8	0.6	18.2	1.1	7.5	338.0	21.5	737.4	1.0	
SMDH 00052	24.5	68.2	143.7	16.5	57.9701	9.56693	1.38114	5.8	0.8	4.0	0.9	2.6	0.3	2.7	0.3	26.6	1.4	7.8	344.2	27.2	801.7		1.6
SMDH 00052	20.0	58.8	122.5	13.3	44.0573	6.91585	1.15095	4.5	0.6	3.6	0.8	1.9	0.3	2.5	0.3	21.9	1.5	8.6	399.8	15.7	722.3		
SMDH 00052	25.7	78.9	164.6	18.6	62.6077	10.2585	1.26605	6.5	0.7	4.4	0.8	2.5	0.3	2.6	0.3	31.5	1.5	7.3	316.8	14.3	694.7		
SMDH 00052	21.3	61.2	134.0	13.6	48.6949	9.3364	1.26605	6.1	0.7	3.7	0.6	1.6	0.3	1.8	0.3	23.1	2.2	7.0	335.1	20.0	1392.2	1.8	1.5
SMDH 00052	19.9	55.9	117.6	13.5	47.5355	8.87535	1.03586	5.5	0.7	4.0	0.7	1.6	0.3	2.2	0.3	21.8	1.7	7.2	340.3	21.5	779.0		
SMDH 00052	25.5	72.5	153.1	17.4	60.2889	11.4112	1.38114	7.7	0.9	4.6	0.8	1.9	0.3	2.2	0.3	26.9	2.2	7.7	340.4	31.5	992.5		
SMDH 00052	18.2	66.9	140.0	16.1	54.4919	11.4112	1.49624	6.6	0.8	3.8	0.7	1.6	0.3	2.2	0.3	26.8	2.4	10.1	496.7	34.3	1212.6		1.6
SMDH 00052	16.9	61.8	135.7	14.2	48.6949	8.64482	1.38114	6.8	0.7	3.2	0.6	1.3	0.3	1.8	0.3	26.9	2.1	10.7	375.0	34.3	1157.9		
SMDH 00052	15.6	59.8	127.1	14.4	47.5355	9.22114	1.26605	5.6	0.7	3.1	0.6	1.4	0.3	1.7	0.3	23.4	2.0	8.1	382.4	32.9	1080.6	1.2	
SMDH 00052	17.2	62.9	131.9	14.9	54.4919	10.6043	1.49624	7.0	0.7	3.4	0.6	1.3	0.3	1.5	0.3	24.5	2.0	8.5	412.7	30.0	1033.2		
SMDH 00052	16.0	55.3	114.9	13.2	46.3761	7.95323	1.26605	5.8	0.7	3.6	0.6	1.3	0.3	1.5	0.3	21.3	2.0	6.6	312.3	27.2	1097.4		1.7
SMDH 00052	14.1	45.0	91.5	10.7	35.9414	6.22427	1.15095	4.6	0.3	2.7	0.3	1.1	0.3	1.6	0.3	15.8	1.7	8.1	390.9	20.0	965.4		
SMDH 00052	16.1	72.9	157.3	17.3	60.2889	10.028	1.38114	6.2	0.6	3.1	0.3	1.1	0.3	1.8	0.3	26.8	1.1	9.6	437.9	30.0	1283.8	0.8	
SMDH 00052	24.7	60.9	152.6	14.4	41.7385	7.03112	1.84152	5.0	0.7	4.9	0.9	2.7	0.3	2.7	0.3	18.4	0.8	9.1	414.7	24.3	708.9		1.8
SMDH 00052	24.7	60.9	152.6	14.4	41.7385	7.03112	1.84152	5.0	0.7	4.9	0.9	2.7	0.3	2.7	0.3	18.4	0.8	9.1	414.7	24.3	708.9		1.8
SMDH 00053	34.6	109.6	245.5	27.7	97.3897	16.4828	1.15095	11.6	1.3	6.3	1.3	3.0	0.3	3.2	0.3	50.0	3.4	21.0	924.1	17.2	673.7		
SMDH 00053	21.0	69.3	149.5	16.8	59.1295	10.7196	0.92076	6.9	0.8	4.1	0.7	1.7	0.3	1.9	0.3	30.1	2.1	12.9	592.3	15.7	596.6		
SMDH 00053	26.6	89.9	192.0	21.5	77.6799	13.2554	0.92076	9.6	0.9	5.4	0.9	2.3	0.3	2.0	0.3	41.6	2.2	10.1	440.5	18.6	796.3	2.6	1.4
SMDH 00053	35.1	84.6	182.5	20.7	73.0423	13.1401	1.15095	9.3	1.1	6.0	1.1	2.7	0.3	3.2	0.3	39.4	2.5	10.4	448.3	21.5	854.7		
SMDH 00053	18.4	55.0	120.0	13.7	48.6949	7.83797	0.80567	5.8	0.7	3.4	0.7	1.5	0.3	1.0	0.3	25.8	1.3	7.3	330.9	17.2	753.6		
SMDH 00053	7.9	17.6	37.2	4.7	15.0722	2.76634	1.03586	1.5	0.3	1.5	0.3	0.7	0.3	0.7	0.3	6.9	0.3	6.6	288.8	21.5	769.7		1.5
SMDH 00053	7.5	13.0	24.7	2.8	10.4346	1.49844	1.38114	1.5	0.3	0.9	0.3	0.7	0.3	0.7	0.3	3.5	0.7	10.4	495.7	22.9	1081.1	2.0	
SMDH 00053	23.6	69.8	143.8	17.1	57.9701	9.56693	1.26605	7.1	0.8	4.2	0.8	2.2	0.3	2.2	0.3	29.0	1.5	10.5	427.9	31.5	773.4		
SMDH 00053	33.0	54.6	114.2	13.3	46.3761	8.29903	1.38114	6.3	0.8	6.0	1.1	3.0	0.3	3.4	0.3	22.8	2.1	12.7	537.9	30.0	963.6		1.6
SMDH 00053	38.4	80.7	181.4	18.5	64.9265	11.9875	1.49624	8.9	1.1	5.3	1.5	3.5	0.6	4.9	0.6	36.3	1.9	12.5	435.5	14.3	817.8		
SMDH 00053	32.2	64.4	133.9	15.7	53.3325	9.79746	1.26605	7.1	0.8	5.2	1.1	3.1	0.3	3.4	0.3	25.8	1.3	10.7	444.4	20.0	855.2		
SMDH 00053	6.7	16.3	33.3	3.8	12.7534	2.42055	1.49624	1.8	0.3	1.3	0.3	0.6	0.3	0.8	0.3	4.8	0.6	10.0	426.2	22.9	960.8	1.7	
SMDH 00053	24.6	58.9	122.2	14.1	49.8543	10.2585	1.26605	6.3	0.8	4.5	0.8	2.2	0.3	2.6	0.3	24.3	1.4	8.6	364.2	21.5	726.0		1.5
SMDH 00053	28.1	80.9	172.8	20.7	70.7235	12.6791	1.61133	7.7	0.9	5.4	0.9	2.2	0.3	2.0	0.3	36.0	2.2	10.1	442.3	22.9	914.5	0.8	1.5
SMDH 00053	30.3	69.6	150.2	18.3	60.2889	10.8348	1.38114	7.6	0.9	5.4	0.9	2.7	0.3	3.2	0.3	31.9	1.7	10.3	416.6	18.6	950.2		
SMDH 00053	22.3	54.6	112.0	13.5	44.0573	8.18376	1.26605	5.3	0.7	3.8	0.8	2.2	0.3	2.0	0.3	23.1	1.2	9.2	382.3	15.7	820.8		
SMDH 00053	42.1	95.4	193.0	21.9	74.2017	13.3707	1.61133	9.4	1.2	7.3	1.4	4.2	0.7	4.5	0.6	35.5	2.0	7.9	333.2	27.2	752.4	1.0	1.6
SMDH 00053	25.6	76.6	149.9	16.8	59.1295	10.1433	1.72643	6.2	0.8	4.6	0.9	2.4	0.3	2.8	0.3	24.8	1.3	9.7	404.0	38.6	936.2		
SMDH 00053	39.0	85.4	178.6	19.6	64.9265	11.757	1.61133	7.7	1.2	5.8	1.4	3.7	0.6	4.0	0.6	29.8	2.0	10.0	405.8	28.6	910.5		
SMDH 00053	29.8	69.2	146.7	15.6	54.4919	8.64482	1.61133	5.8	0.8	4.7	1.1	3.3	0.6	3.4	0.3	24.6	1.4	9.4	384.7	20.0	885.1		1.7
SMDH 00053	33.6	68.2	145.6	16.0	53.3325	10.1433	1.49624	6.5	0.8	5.4	1.1	3.4	0.6	3.9	0.3	24.4	1.8	9.3	377.0	21.5	908.0	0.8	
SMDH 00053	33.6	68.2	145.6	16.0	53.3325	10.1433	1.49624	6.5	0.8	5.4	1.1	3.4	0.6	3.9	0.3	24.4	1.8	9.3	377.0	21.5	908.0	0.8	
SMDH 00054	28.9	91.7	166.8	17.7	76.5205	13.2554	0.69057	8.0	0.9	5.0	1.0	3.1	0.3	2.8	0.3	40.1	2.7	14.4	624.1	15.7	566.7	0.8	
SMDH 00054	24.8	38.8	79.9	9.1	31.3038	5.64795	1.03586	4.7	0.6	3.9	0.8	2.5	0.3	2.4	0.3	14.4	1.3	5.9	262.5	17.2	784.6		
SMDH 00054	34.9	122.2	253.4	28.7	102.027	17.6354	1.49624	11.5	1.3	6.9	1.1	3.9	0.3	3.1	0.7	53.4	2.8	11.8	512.2	17.2	757.8		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00054	36.2	113.9	236.7	26.9	91.5927	15.2149	1.84152	10.2	1.2	6.5	1.3	4.9	0.7	4.5	0.8	43.6	2.7	12.3	584.1	22.9	1143.4		
SMDH 00054	20.9	118.8	238.6	24.7	92.7521	16.2523	1.95662	9.3	1.1	4.7	0.7	1.6	0.3	1.7	0.3	49.1	1.5	8.6	347.4	22.9	758.7		
SMDH 00054	25.5	97.1	201.0	21.3	74.2017	14.1775	1.72643	8.6	1.1	4.7	0.9	2.2	0.3	2.7	0.3	41.2	1.8	10.4	423.1	18.6	870.6		1.6
SMDH 00054	24.3	85.0	230.0	29.5	75.3611	15.2149	1.38114	8.5	1.3	5.7	0.9	3.2	0.3	3.2	0.3	37.1	2.5	12.1	311.5	20.0	927.8	1.3	
SMDH 00054	19.3	65.9	148.0	17.9	56.8107	10.6043	1.15095	6.9	0.8	4.6	0.7	2.3	0.3	2.2	0.3	25.1	2.2	9.9	328.6	22.9	880.2		1.5
SMDH 00054	29.0	91.7	243.8	31.6	79.9987	17.7507	1.49624	10.5	1.4	6.5	1.1	3.7	0.6	3.3	0.6	40.0	2.8	17.0	442.3	25.7	1046.7		
SMDH 00054	27.2	75.8	209.0	28.3	70.7235	14.5233	1.72643	9.1	1.4	6.2	1.0	3.5	0.3	3.6	0.6	36.0	2.1	17.1	436.6	25.7	951.6		
SMDH 00054	20.7	64.7	169.1	22.3	56.8107	12.218	1.61133	6.8	1.1	5.3	0.8	2.4	0.3	2.4	0.3	28.7	2.1	13.1	353.0	20.0	897.2	0.9	1.4
SMDH 00054	21.2	100.5	257.4	33.1	86.9551	17.1744	1.49624	10.1	1.3	5.5	0.8	2.5	0.3	2.3	0.3	42.7	2.7	14.4	379.3	27.2	1060.5		
SMDH 00054	26.2	105.9	276.7	36.4	91.5927	19.4797	1.61133	11.3	1.5	6.9	0.9	2.7	0.3	2.8	0.3	45.8	3.2	31.8	1032.3	32.9	1216.8		
SMDH 00054	47.7	122.6	264.4	31.5	108.984	19.1339	1.61133	10.4	1.3	7.8	1.7	5.5	0.9	6.9	1.0	53.5	1.7	11.9	505.6	21.5	1153.2	0.4	
SMDH 00054	14.2	113.4	300.9	38.8	96.2303	19.4797	1.72643	9.7	1.2	4.6	0.3	1.5	0.3	1.0	0.3	45.5	2.4	14.3	417.0	17.2	1104.6		1.5
SMDH 00054	12.8	92.4	247.9	25.6	77.6799	12.218	1.95662	8.1	0.8	3.9	0.3	1.5	0.3	1.1	0.3	33.5	2.0	14.6	476.3	14.3	913.6	0.7	
SMDH 00054	12.8	92.4	247.9	25.6	77.6799	12.218	1.95662	8.1	0.8	3.9	0.3	1.5	0.3	1.1	0.3	33.5	2.0	14.6	476.3	14.3	913.6	0.7	
SMDH 00055	33.1	112.7	227.9	27.4	95.0709	15.9065	0.92076	10.9	1.1	6.2	1.0	3.8	0.6	3.2	0.3	46.7	3.2	25.6	1083.2	17.2	526.7		
SMDH 00055	32.8	94.0	206.2	23.5	81.1581	14.2928	1.38114	9.2	1.2	6.3	1.0	3.8	0.3	3.1	0.3	42.8	2.5	16.3	687.2	22.9	989.7		1.0
SMDH 00055	39.0	98.4	163.3	21.3	76.5205	12.7943	1.72643	8.7	1.2	6.5	1.1	4.1	0.3	2.6	0.3	33.6	1.5	6.7	285.4	21.5	753.6		
SMDH 00055	15.0	87.6	181.5	20.5	70.7235	11.4112	1.03586	7.9	0.7	3.4	0.6	1.5	0.3	0.9	0.3	35.9	1.4	6.1	266.2	21.5	590.5	1.3	
SMDH 00055	21.2	85.9	178.8	21.1	70.7235	11.9875	1.15095	8.0	0.9	4.6	0.8	2.2	0.3	1.3	0.3	34.3	1.7	8.3	323.4	17.2	616.2		0.9
SMDH 00055	21.8	110.5	232.8	26.4	90.4333	15.6759	1.84152	9.3	1.1	4.7	0.8	1.9	0.3	1.0	0.3	46.4	1.9	7.3	308.8	18.6	695.9		
SMDH 00055	16.0	96.4	200.7	22.9	75.3611	12.3333	1.38114	7.9	0.8	3.8	0.6	1.6	0.3	0.8	0.3	37.8	1.5	5.1	208.0	12.9	434.2		
SMDH 00055	26.7	73.7	157.0	18.4	61.4483	10.489	1.26605	7.3	0.8	4.9	0.9	2.9	0.3	1.8	0.3	30.5	1.5	6.1	243.7	14.3	606.6	1.2	1.6
SMDH 00055	27.8	92.4	195.3	23.2	75.3611	13.7164	1.49624	9.2	1.2	5.5	1.0	3.1	0.3	2.3	0.3	41.9	1.7	7.0	276.8	14.3	715.3		
SMDH 00055	17.6	74.1	157.1	17.8	62.6077	11.6417	2.07171	6.9	0.8	3.3	0.6	1.6	0.3	1.5	0.3	31.5	1.1	8.8	343.4	20.0	907.7		
SMDH 00055	15.8	75.7	162.7	18.9	66.0859	11.1806	1.38114	6.9	0.8	3.8	0.6	1.1	0.3	1.0	0.3	33.6	1.3	6.5	245.6	15.7	757.5		1.5
SMDH 00055	32.2	100.9	212.2	25.3	88.1145	15.9065	1.49624	10.4	1.2	6.2	1.1	2.6	0.3	3.0	0.3	46.8	2.0	11.3	420.6	37.2	779.5		
SMDH 00055	26.0	107.5	229.6	27.9	97.3897	16.5981	1.38114	11.0	1.2	5.7	0.9	2.1	0.3	2.4	0.3	51.0	2.2	9.6	356.9	21.5	716.9		1.7
SMDH 00055	19.6	109.2	228.5	27.5	93.9115	15.6759	1.72643	10.4	1.2	4.7	0.7	2.1	0.3	1.1	0.3	50.2	1.5	9.3	376.6	14.3	615.3		
SMDH 00055	19.6	77.7	170.3	19.0	67.2453	10.3738	1.72643	8.0	0.9	4.0	0.7	2.2	0.3	1.7	0.3	29.9	1.3	8.8	369.3	27.2	1362.1	0.9	
SMDH 00055	20.8	80.4	179.7	19.8	73.0423	11.757	1.26605	7.6	0.9	4.2	0.7	2.5	0.3	2.2	0.3	35.8	1.4	6.5	260.6	14.3	589.6		1.7
SMDH 00055	31.4	127.4	287.0	31.2	111.303	17.1744	0.80567	10.8	1.3	6.0	1.1	3.8	0.6	3.6	0.6	55.9	3.3	23.9	1522.6	11.4	498.0		
SMDH 00055	31.4	127.4	287.0	31.2	111.303	17.1744	0.80567	10.8	1.3	6.0	1.1	3.8	0.6	3.6	0.6	55.9	3.3	23.9	1522.6	11.4	498.0		
SMDH 00056	25.3	90.8	230.0	22.1	77.6799	11.5264	1.03586	7.2	0.9	4.6	0.9	3.4	0.3	3.1	0.3	44.4	2.0	15.8	664.5	14.3	818.5		
SMDH 00056	51.2	159.3	321.7	36.6	131.012	19.7102	2.30191	12.3	1.6	9.0	1.8	6.7	0.8	5.7	0.9	49.7	2.4	16.5	711.2	12.9	890.0	2.8	1.4
SMDH 00056	39.0	100.5	216.8	23.9	84.6363	13.6012	1.49624	9.2	1.3	6.8	1.4	4.7	0.6	4.4	0.7	35.7	2.9	10.8	466.4	15.7	801.2		
SMDH 00056	18.0	94.8	206.5	22.7	81.1581	12.6791	1.49624	7.6	0.8	3.4	0.6	1.9	0.3	1.1	0.3	40.2	1.2	7.2	311.5	11.4	643.8		
SMDH 00056	41.1	109.6	240.5	27.7	88.1145	15.0996	1.61133	10.3	1.4	7.4	1.5	4.9	0.7	4.3	0.7	39.9	3.5	11.3	465.1	18.6	990.2		1.5
SMDH 00056	47.0	107.0	220.8	25.9	93.9115	15.3301	1.61133	10.1	1.4	7.9	1.7	4.2	0.7	4.0	0.3	40.0	3.1	13.4	571.7	21.5	1047.4	1.0	
SMDH 00056	38.7	100.7	212.1	25.1	88.1145	14.5233	1.61133	9.2	1.2	7.2	1.5	3.5	0.3	3.2	0.6	37.6	2.8	11.3	492.1	21.5	954.0		
SMDH 00056	36.6	101.1	205.9	23.8	85.7957	13.6012	1.38114	8.9	1.1	6.5	1.3	3.5	0.3	3.4	0.6	37.0	2.2	11.4	479.8	17.2	947.9		1.6
SMDH 00056	15.7	64.5	131.3	15.3	54.4919	8.0685	1.38114	4.9	0.6	3.1	0.6	1.4	0.3	1.4	0.3	23.2	1.4	11.0	468.1	12.9	851.4		
SMDH 00056	10.4	48.0	98.6	11.4	40.5791	6.33953	1.49624	3.3	0.3	2.1	0.3	1.0	0.3	1.3	0.3	18.1	0.7	7.4	330.9	11.4	786.3	1.0	
SMDH 00056	13.1	55.9	115.7	13.2	45.2167	6.109	1.26605	3.9	0.3	2.3	0.3	1.3	0.3	1.6	0.3	20.2	0.9	11.0	466.3	11.4	941.6		1.6
SMDH 00056	31.1	119.6	246.0	29.2	103.187	15.3301	1.72643	10.0	1.1	6.4	1.1	2.6	0.3	2.8	0.3	46.2	2.5	13.7	609.2	27.2	1081.5		
SMDH 00056	43.1	110.1	232.9	26.8	92.7521	16.137	1.72643	9.4	1.2	7.4	1.5	3.8	0.7	3.9	0.6	42.5	2.1	10.6	463.1	22.9	1053.5		
SMDH 00056	31.8	95.5	191.8	22.6	81.1581	11.9875	1.38114	8.6	1.1	5.7	1.1	4.1	0.3	4.0	0.3	35.9	1.5	8.6	345.5	17.2	756.4		
SMDH 00056	17.9	77.3	158.0	18.5	63.7671	10.028	1.72643	5.6	0.7	3.4	0.7	1.6	0.3	1.6	0.3	29.2	0.8	6.0	259.1	15.7	792.6	1.2	1.5
SMDH 00056	30.2	100.5	209.3	22.7	77.6799	12.7943	1.72643	8.2	1.2	5.0	1.0	3.3	0.3	3.2	0.3	36.9	1.4	11.4	490.7	15.7	892.5		
SMDH 00056	36.6	103.5	219.2	24.4	84.6363	14.2928	1.61133	9.1	1.3	6.2	1.3	3.5	0.3	2.8	0.3	38.6	1.7	12.5	531.4	22.9	993.9		
SMDH 00056	37.0	99.0	210.8	23.3	78.8393	13.6012	1.49624	8.9	1.2	6.3	1.3	3.4	0.3	2.6	0.3	37.1	1.7	9.7	401.3	25.7	886.2		
SMDH 00056	33.1	93.9	200.3	22.0	75.3611	12.3333	1.49624	8.4	1.3	6.3	1.1	3.0	0.3	2.5	0.3	34.8	2.0	11.3	466.8	21.5	889.5	0.8	
SMDH 00056	27.6	92.4	196.5	21.1	71.8829	12.3333	1.26605	8.4	1.1	5.2	0.9	2.7	0.3	2.3	0.3	35.5	1.5	9.9	434.6	20.0	911.5		
SMDH 00057	28.1	67.4	139.6	16.2	56.8107	9.22114	0.80567	5.7	0.9	4.6	0.9	3.2	0.3	2.8	0.3	26.8	1.2	14.3	607.6	21.5	550.8		1.3
SMDH 00057	26.9	83.6	178.0	20.2	67.2453	11.0654	1.38114	7.6	1.1	4.4	0.9	2.9	0.3	2.6	0.3	32.9	0.9	7.0	299.6	10.0	775.5		
SMDH 00057	57.8	132.8	286.9	31.8	111.303	20.056	1.38114	11.5	1.8	9.0	1.9	6.3	1.0	7.0	1.1	59.8	2.0	16.0	655.1	22.9	1405.3	2.8	
SMDH 00057	29.9	100.7	212.7	22.5	81.1581	14.6386	1.61133	8.1	0.9	5.2	1.0	2.9	0.3	3.4	0.6	43.9	1.4	11.4	477.2	15.7	1041.6		
SMDH 00057	29.5	130.5	275.1	29.2	105.506	18.7881	1.49624	11.1	1.3	5.7	1.0	2.4	0.3	3.1	0.3	56.3	2.9	16.2	636.8	17.2	1285.4		1.6
SMDH 00057	52.0	146.8	316.6	34.0	127.534	23.3986	1.95662	13.4	1.6	8.7	1.8	5.0	0.9	5.9	0.9	68.8	2.2	14.4	561.0	22.9	1122.9		
SMDH 00057	48.5	125.6	272.1	30.4	103.187	17.7507	1.61133	12.1	1.6	7.3	1.8	5.4	0.8	5.2	0.8	51.8	1.8	12.6	516.0	22.9	1079.4		1.6
SMDH 00057	59.8	114.8	247.0	28.3	96.2303	15.9065	0.92076	10.1	1.5	8.2	1.9	6.8	1.1	6.9	1.0	50.4	2.0	13.8	651.4	21.5	1284.5		
SMDH 00057	63.1	159.4	336.3	38.8	131.012	22.4765	1.61133	13.6	1.8	9.5	2.1	7.4	1.4	7.4	1.1	71.5	2.4	12.5	582.3	15.7	1203.9		
SMDH 00057	57.5	148.7	322.7	37.0	124.056	20.9781	1.38114	12.4	1.6	8.6	1.9	6.6	1.1	6.7	1.0	67.9	2.2	15.4	717.8	21.5	1547.5	0.8	1.6
SMDH 00057	25.9	104.4	222.0	25.7	89.2739	14.0622	1.95662	9.1	0.9	4.9	0.8	2.7	0.3	2.8	0.3	43.9	1.3	8.7	388.2	12.9	777.4	0.3	
SMDH 00057	33.5	152.6	313.5	35.7	121.737	20.2865	1.61133	11.6	1.4	6.0	1.1	3.5	0.6	3.4	0.3	61.4	1.7	12.0	522.9	12.9	1039.9		
SMDH 00057	35.5	70.7	146.9	16.8	56.8107	10.2585	1.49624	6.1	0.9	4.9	1.1	4.1	0.8	4.8	0.7	29.9	1.2	12.6	578.0	17.2	1247.4		
SMDH 00057	15.7	88.7	185.5	21.4	69.5641	11.2959	1.72643	6.6	0.7	3.1	0.3	1.4	0.3	1.1	0.3	35.7	1.1	11.2	519.2	15.7	1135.9		1.6
SMDH 00058	40.0	131.8	280.1	32.1	110.143	18.327	1.26605	12.1	1.6	7.4	1.3	3.7	0.6	3.1	0.3	59.6	4.1	14.3	675.5	15.7	752.2	2.0	
SMDH 00058	27.4	91.9	192.4	22.0	73.0423	12.5638	1.49624	7.6	0.9	4.8	0.9	2.7	0.3	2.7	0.3	37.9	2.4	7.9	383.1	18.6	959.6		
SMDH 00058	42.1	100.7	204.8	23.9	77.6799	12.3333	1.72643	8.8	1.3	6.9	1.5	4.2	0.7	4.3	0.7	42.9	3.4	8.7	413.5	20.0	1015.2		1.2
SMDH 00058	51.3	116.1	243.8	27.3	95.0709	16.4828	1.61133	11.2	1.5	9.0	1.7	5.9	0.8	5.2	0.8	45.2	3.2	12.7	535.6	22.9	893.5		
SMDH 00058	42.3	86.0	179.0	20.9	69.5641	12.9096	1.61133	8.7	1.2	7.0	1.4	4.5	0.6	4.1	0.6	33.8	2.9	10.7	468.7	22.9	862.6	1.3	

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00058	29.1	90.3	191.4	21.3	70.7235	12.4485	1.49624	8.5	1.1	5.3	1.0	3.1	0.3	2.5	0.3	36.6	2.1	7.1	323.7	18.6	762.2		
SMDH 00058	43.6	127.2	268.6	30.1	100.868	18.327	1.72643	11.2	1.4	7.9	1.6	5.4	0.7	5.5	0.7	54.2	2.7	14.6	652.2	21.5	1086.0		
SMDH 00058	49.9	137.4	304.3	35.7	115.94	22.9376	1.84152	13.6	1.4	9.3	1.6	5.5	0.7	4.8	0.6	62.7	3.5	11.7	482.0	24.3	970.6	1.3	1.5
SMDH 00058	53.4	97.0	203.6	24.1	82.3175	15.5607	1.84152	9.5	1.2	8.8	1.6	5.7	0.7	4.9	0.6	46.4	3.5	10.8	485.2	24.3	813.1		
SMDH 00058	69.2	155.5	327.6	38.9	131.012	23.975	1.84152	15.8	1.9	12.4	2.2	7.8	0.8	5.8	0.7	79.5	6.4	8.8	392.9	24.3	789.8		
SMDH 00058	57.3	91.6	190.8	22.8	79.9987	14.9844	1.61133	9.4	1.3	9.3	1.7	6.5	0.7	5.7	0.7	43.8	3.9	7.5	319.5	22.9	648.0		1.5
SMDH 00058	48.4	82.6	171.9	19.8	73.0423	13.947	1.72643	9.6	1.1	8.4	1.5	5.2	0.6	4.7	0.6	39.7	3.8	9.6	431.2	20.0	681.4	0.7	
SMDH 00058	27.5	123.3	259.3	29.8	99.7085	17.6354	1.72643	11.1	1.2	6.3	0.9	2.6	0.3	2.0	0.3	58.5	2.8	9.6	450.6	15.7	823.4		
SMDH 00058	45.1	66.7	138.8	17.2	54.4919	11.5264	1.72643	8.0	1.1	7.3	1.4	5.6	0.7	5.6	0.6	33.2	3.8	7.5	324.9	31.5	702.2		1.6
SMDH 00058	73.1	264.5	555.8	65.8	226.083	40.9188	1.49624	24.6	2.7	15.3	2.3	8.0	0.9	6.1	0.7	136.0	7.2	31.5	1400.9	14.3	583.3		
SMDH 00058	45.2	111.1	234.7	27.4	97.3897	17.6354	1.72643	11.6	1.4	8.4	1.3	4.7	0.3	3.8	0.3	54.6	4.5	10.5	441.4	22.9	794.9	0.6	
SMDH 00058	45.2	111.1	234.7	27.4	97.3897	17.6354	1.72643	11.6	1.4	8.4	1.3	4.7	0.3	3.8	0.3	54.6	4.5	10.5	441.4	22.9	794.9	0.6	
SMDH 00059	30.7	76.9	158.7	18.1	63.7671	10.6043	1.15095	7.6	0.9	5.3	1.0	3.0	0.3	3.1	0.3	30.8	1.7	9.9	399.2	20.0	639.6		
SMDH 00059	25.1	67.4	143.7	16.7	59.1295	9.91272	1.26605	6.5	0.8	4.2	0.9	2.3	0.3	2.4	0.3	28.0	1.4	8.6	354.3	14.3	516.7		0.6
SMDH 00059	38.7	119.9	258.2	30.0	100.868	16.9438	1.61133	11.3	1.4	6.8	1.3	3.2	0.3	3.3	0.3	50.6	2.6	16.0	647.0	17.2	759.6		
SMDH 00059	44.7	130.7	285.2	31.1	105.506	17.9812	1.95662	12.7	1.5	8.7	1.7	3.9	0.6	3.5	0.3	57.3	2.7	11.2	448.7	21.5	1082.0	0.9	
SMDH 00059	33.0	106.8	227.7	26.8	95.0709	16.137	1.72643	9.4	1.2	6.8	1.3	2.4	0.3	2.3	0.3	46.8	2.5	13.3	581.7	24.3	878.1		1.5
SMDH 00059	13.3	75.8	157.5	18.9	64.9265	10.489	2.07171	6.0	0.7	3.4	0.6	0.9	0.3	0.7	0.3	30.9	1.4	9.3	408.3	17.2	759.4		
SMDH 00059	28.6	94.9	197.9	23.5	85.7957	17.1744	2.07171	8.2	1.1	6.1	1.1	2.3	0.3	2.5	0.3	41.3	2.4	7.5	350.1	14.3	483.5	0.7	1.6
SMDH 00059	27.8	85.9	181.6	21.4	74.2017	13.2554	2.07171	7.7	1.1	5.4	1.0	1.9	0.3	2.2	0.3	37.4	2.2	7.4	335.7	14.3	600.8		
SMDH 00059	38.7	110.2	237.0	27.5	97.3897	17.0591	2.07171	10.2	1.3	7.7	1.4	2.9	0.3	2.8	0.3	49.9	3.1	9.0	391.5	25.7	814.3		
SMDH 00059	56.0	190.9	397.3	35.8	119.418	20.1712	1.84152	11.5	1.6	10.0	1.8	3.4	0.6	3.0	0.3	88.9	5.3	14.0	635.6	28.6	851.4		1.5
SMDH 00059	26.0	85.3	181.0	20.9	73.0423	12.7943	1.61133	7.4	1.1	5.3	0.9	1.5	0.3	1.1	0.3	35.2	2.0	6.5	282.9	20.0	738.6	1.1	
SMDH 00059	40.0	106.8	226.8	26.9	91.5927	16.0217	1.95662	9.6	1.3	7.4	1.5	3.0	0.6	3.2	0.3	47.4	2.8	10.1	435.8	20.0	1108.2		
SMDH 00059	35.2	100.9	215.1	25.8	90.4333	14.9844	1.72643	9.4	1.2	7.1	1.3	2.6	0.3	3.0	0.3	46.9	2.2	10.7	469.4	17.2	1081.1		1.6
SMDH 00059	48.0	120.4	255.6	30.7	103.187	17.9812	1.72643	11.1	1.5	9.4	1.7	3.4	0.7	3.4	0.3	52.8	2.4	12.0	500.1	22.9	1329.8		
SMDH 00059	45.8	129.9	270.6	32.5	113.621	19.3644	1.72643	11.5	1.5	10.2	2.1	3.5	0.7	4.3	0.3	56.9	2.6	13.3	582.9	27.2	1603.4	0.6	
SMDH 00060	36.6	149.4	315.6	37.6	128.694	20.517	1.26605	12.6	1.5	8.2	1.4	2.7	0.3	2.5	0.3	69.2	3.2	13.9	626.2	11.4	422.8		1.6
SMDH 00060	24.1	92.8	201.0	23.4	81.1581	13.4859	1.61133	8.4	0.9	5.3	0.9	1.7	0.3	1.7	0.3	40.3	2.0	8.1	372.4	25.7	819.0		
SMDH 00060	29.7	82.9	169.9	20.5	70.7235	12.6791	1.95662	7.2	0.9	5.5	1.1	2.3	0.3	2.4	0.3	33.2	1.7	8.8	378.6	24.3	830.6		
SMDH 00060	30.7	106.7	225.6	26.7	92.7521	15.7912	1.95662	9.3	1.2	6.4	1.1	2.3	0.3	2.3	0.3	44.5	1.9	9.7	406.9	24.3	647.5	0.9	1.5
SMDH 00060	27.1	94.8	198.8	23.9	83.4769	14.0622	1.95662	8.5	1.3	6.0	1.3	2.3	0.6	2.6	0.3	40.5	1.9	9.8	410.8	18.6	784.4		
SMDH 00060	39.5	139.8	281.3	34.1	118.259	20.6323	2.18681	11.8	1.5	8.0	1.5	2.9	0.3	3.0	0.3	56.3	2.5	8.3	369.6	32.9	704.0		
SMDH 00060	47.5	99.0	207.7	24.5	86.9551	14.7538	1.95662	9.3	1.3	8.6	1.6	3.4	0.7	3.9	0.6	43.4	2.7	9.9	436.4	21.5	595.0		1.7
SMDH 00060	46.3	124.2	212.8	31.3	93.9115	16.9438	2.07171	9.4	1.5	8.4	1.6	3.2	0.7	3.5	0.3	43.4	2.7	9.4	429.0	22.9	769.2	0.4	
SMDH 00060	40.6	73.2	164.0	16.7	56.8107	10.489	1.49624	8.1	1.1	5.8	1.4	3.4	0.6	4.2	0.7	34.4	2.8	11.7	394.3	18.6	850.3	0.3	1.5
SMDH 00061	33.3	113.8	236.8	25.3	91.5927	16.0217	1.03586	10.0	1.3	6.5	1.1	2.6	0.3	2.4	0.3	50.4	2.7	12.1	500.1	14.3	508.1	0.8	0.7
SMDH 00061	34.7	131.0	283.5	27.5	96.2303	15.2149	1.72643	10.1	1.3	6.6	1.3	3.4	0.3	3.2	0.3	43.7	2.4	11.2	417.8	18.6	1060.0	0.8	
SMDH 00061	49.2	75.5	155.6	18.4	64.9265	10.8348	1.49624	6.9	1.1	6.5	1.7	4.7	0.7	5.9	0.9	28.6	1.7	10.7	450.9	21.5	908.0		
SMDH 00061	22.8	94.8	195.3	23.9	77.6799	13.8317	1.72643	8.9	0.9	4.5	0.8	2.1	0.3	1.3	0.3	36.7	1.9	10.4	424.4	22.9	757.5		1.5
SMDH 00061	29.4	112.6	233.3	28.6	95.0709	16.3675	2.07171	10.9	1.2	6.3	1.0	2.2	0.3	1.8	0.3	48.7	2.6	10.8	463.6	24.3	921.5		
SMDH 00061	21.5	97.8	203.2	24.4	83.4769	13.6012	1.84152	10.0	1.1	4.7	0.8	1.7	0.3	1.4	0.3	41.3	2.1	10.3	445.5	24.3	1026.2	-	
SMDH 00061	9.4	50.2	104.4	12.2	40.5791	6.57006	1.84152	4.1	0.3	2.4	0.3	0.7	0.3	0.6	0.3	21.7	1.1	8.1	316.8	22.9	1011.9		1.5
SMDH 00062	53.6	153.8	331.6	41.9	148.403	27.8939	1.38114	20.0	2.2	10.7	1.8	4.6	0.6	5.0	0.8	71.8	5.5	27.5	1142.9	22.9	1238.5		
SMDH 00062	22.7	21.2	35.9	6.2	22.0286	5.53268	1.03586	4.9	0.7	3.8	0.7	2.1	0.3	2.2	0.3	4.3	0.6	4.2	203.6	14.3	1507.1		
SMDH 00062	25.0	14.2	33.2	4.8	20.8692	4.95636	1.38114	4.7	0.8	4.5	0.8	2.4	0.3	2.6	0.3	2.8	0.7	5.2	242.5	20.0	2350.6	1.0	1.7
SMDH 00062	23.8	14.9	31.9	4.6	17.391	4.8411	1.15095	3.8	0.6	3.8	0.8	2.3	0.3	2.4	0.3	2.4	0.6	4.7	205.7	20.0	1821.3		
SMDH 00062	19.5	16.0	36.3	4.6	18.5504	4.95636	1.15095	4.1	1.2	3.4	0.6	1.4	0.3	1.4	0.3	2.6	0.8	6.3	303.8	21.5	986.2		
SMDH 00062	43.5	33.2	73.8	9.1	37.1009	9.91272	1.72643	8.4	2.5	7.7	1.5	3.1	0.3	2.3	0.3	7.5	1.1	3.2	140.3	38.6	1038.5		
SMDH 00062	52.2	86.1	179.3	19.9	71.8829	11.8722	1.38114	7.7	0.9	6.9	1.7	5.2	0.9	6.1	0.8	35.7	1.5	7.4	339.5	12.9	928.1		
SMDH 00062	35.1	138.6	284.4	31.9	111.303	19.7102	1.49624	11.9	1.3	6.8	1.1	2.9	0.3	3.0	0.3	56.3	3.5	15.0	691.9	21.5	786.3		
SMDH 00062	81.7	36.1	89.6	12.0	53.3325	16.9438	1.95662	16.7	4.8	16.0	2.6	5.0	0.7	3.6	0.3	6.8	2.2	4.7	201.0	47.2	1088.3	0.3	1.7
SMDH 00062	81.7	36.1	89.6	12.0	53.3325	16.9438	1.95662	16.7	4.8	16.0	2.6	5.0	0.7	3.6	0.3	6.8	2.2	4.7	201.0	47.2	1088.3	0.3	1.7
SMDH 00063	17.6	45.5	96.3	11.4	39.4197	6.91585	0.92076	4.7	0.6	3.0	0.6	1.4	0.3	1.4	0.3	17.4	1.2	5.4	226.8	8.6	342.7		
SMDH 00063	26.2	68.6	146.0	17.3	60.2889	10.489	1.15095	6.4	1.3	4.0	0.9	2.7	0.3	2.3	0.3	27.7	1.2	7.9	318.2	8.6	601.7		1.6
SMDH 00063	18.2	76.2	157.6	17.7	62.6077	10.9501	1.03586	6.2	1.3	3.4	0.6	1.7	0.3	1.1	0.3	29.9	1.5	8.4	380.7	20.0	677.6		
SMDH 00063	17.1	67.9	136.4	14.8	53.3325	8.64482	1.61133	5.2	1.1	3.4	0.6	1.7	0.3	1.4	0.3	24.0	0.9	8.6	362.0	14.3	808.5	1.2	
SMDH 00063	44.5	109.0	234.6	25.9	90.4333	16.8286	1.49624	10.5	2.0	7.0	1.5	4.1	0.7	3.8	0.6	45.0	2.7	16.5	691.9	17.2	750.8		1.5
SMDH 00063	34.6	101.5	215.2	24.1	83.4769	15.6759	1.38114	8.4	1.5	6.0	1.3	3.1	0.6	3.4	0.6	43.4	1.8	13.0	513.0	15.7	947.0		
SMDH 00063	36.2	91.4	185.9	21.7	73.0423	12.3333	1.49624	7.6	1.4	5.6	1.1	3.2	0.6	3.5	0.3	34.6	1.4	12.0	496.6	18.6	1039.7		
SMDH 00063	15.0	14.4	32.9	3.8	13.9128	4.26478	1.26605	3.3	0.3	2.9	0.6	1.3	0.3	1.3	0.3	4.1	0.8	3.7	178.6	21.5	958.9		
SMDH 00063	36.2	110.9	222.7	26.5	92.7521	13.8317	1.61133	8.6	1.5	5.8	1.3	3.2	0.6	3.9	0.6	42.8	1.3	11.7	503.4	12.9	1141.8	0.5	1.5
SMDH 00063	42.2	93.1	197.6	23.4	77.6799	13.6012	1.49624	8.5	1.4	5.6	1.3	3.9	0.7	4.3	0.6	39.1	1.8	9.2	393.4	18.6	1058.4		
SMDH 00063	53.5	121.0	255.1	28.9	102.027	16.7133	1.72643	11.0	2.0	7.3	1.7	4.6	0.8	5.0	0.6	50.6	2.2	10.5	482.6	15.7	1120.3		
SMDH 00063	43.5	115.4	237.4	27.9	91.5927	15.4454	1.38114	9.5	1.3	5.7	1.5	4.0	0.7	4.8	0.7	45.5	1.7	7.1	270.3	11.4	776.5		1.6
SMDH 00064	48.4	105.9	216.5	25.2	85.7957	14.408	2.30191	10.8	2.0	7.7	1.5	3.8	0.6	4.2	0.3	38.7	2.7	9.2	404.0	30.0	1547.3	1.9	
SMDH 00064	43.3	110.5	219.3	25.3	83.4769	14.2928	1.95662	9.9	2.1	7.1	1.4	3.3	0.3	3.3	0.3	38.2	2.7	11.8	514.8	38.6	1370.0		1.3
SMDH 00064	31.4	77.3	158.1	19.2	64.9265	11.6417	1.15095	7.3	1.1	5.7	1.0	2.6	0.3	2.8	0.3	30.5	2.5	10.6	451.6	12.9	553.4		
SMDH 00064																							
SMDH 00064	29.8	73.0	155.8	18.3	63.7671	12.5638	1.03586	8.8	1.2	5.8	1.0	2.4	0.3	1.8	0.3	32.3	3.2	5.2	199.8	12.9	623.0	0.9	
SMDH 00064																							

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00064	43.5	136.0	293.3	34.2	118.259	22.0155	1.15095	15.0	2.0	9.6	1.5	3.3	0.3	3.1	0.3	62.8	5.1	9.0	318.4	22.9	1084.3		1.4
SMDH 00064	63.5	155.9	340.3	39.3	139.128	24.6665	1.61133	18.3	2.2	12.4	2.2	5.7	0.8	5.1	0.9	74.2	4.4	6.8	252.3	14.3	747.7		
SMDH 00064	34.3	106.5	225.9	26.9	92.7521	16.2523	1.15095	10.5	1.4	7.1	1.1	3.0	0.3	2.4	0.3	46.4	2.8	8.8	325.7	14.3	705.2		
SMDH 00064	28.0	140.3	292.3	34.5	120.578	20.4018	1.49624	12.6	1.3	7.0	1.0	1.9	0.3	1.4	0.3	62.8	3.1	7.5	281.1	12.9	668.1	0.8	1.4
SMDH 00064	47.5	104.6	220.4	25.3	95.0709	17.0591	1.03586	10.5	1.3	8.5	1.6	4.1	0.8	4.9	0.8	50.4	3.8	8.8	350.5	20.0	1100.2		
SMDH 00064	30.4	57.6	120.3	14.2	46.3761	8.41429	1.15095	6.0	0.8	4.7	1.0	2.4	0.3	2.8	0.3	26.6	1.7	5.2	202.9	12.9	641.7		
SMDH 00064	30.4	57.6	120.3	14.2	46.3761	8.41429	1.15095	6.0	0.8	4.7	1.0	2.4	0.3	2.8	0.3	26.6	1.7	5.2	202.9	12.9	641.7		
SMDH 00065	7.9	27.8	57.3	6.6	22.0286	4.61057	0.57548	2.6	0.3	1.5	0.3	0.7	0.3	0.7	0.3	10.2	1.1	4.8	194.0	10.0	155.8		
SMDH 00065	32.4	103.9	213.8	24.7	83.4769	13.8317	1.95662	9.4	1.2	5.8	1.1	3.0	0.3	2.7	0.3	38.7	3.2	10.6	468.3	17.2	665.7		
SMDH 00065	43.1	206.6	423.1	47.7	171.591	28.2397	1.95662	18.8	2.3	9.3	1.5	3.3	0.3	2.6	0.3	82.8	5.7	11.9	539.2	11.4	537.0	1.4	1.5
SMDH 00065	19.4	105.6	226.1	26.5	96.2303	15.5607	1.15095	11.0	1.3	5.2	0.8	1.3	0.3	0.8	0.3	47.0	6.7	12.0	500.1	21.5	1003.0		
SMDH 00065	18.8	91.6	199.9	23.3	81.1581	14.8691	1.61133	9.9	1.2	5.0	0.7	1.1	0.3	0.8	0.3	42.8	4.8	7.5	323.4	18.6	865.5		
SMDH 00065	31.2	103.0	215.4	25.0	89.2739	16.8286	2.18681	12.5	1.5	7.2	1.1	2.4	0.3	1.5	0.3	42.6	4.8	9.4	390.4	20.0	843.3		1.4
SMDH 00065	10.8	58.7	123.5	13.9	51.0137	8.0685	1.61133	5.6	0.7	3.0	0.3	0.8	0.3	0.6	0.3	23.3	2.4	6.3	270.0	15.7	712.4	1.1	
SMDH 00065	13.8	99.4	183.3	20.3	68.4047	13.947	2.07171	8.2	0.9	4.2	0.3	0.8	0.3	0.3	0.3	35.0	4.4	7.4	293.5	15.7	661.3		
SMDH 00065	17.7	91.7	197.5	22.1	77.6799	14.0622	1.72643	8.9	1.2	4.5	0.7	1.3	0.3	0.9	0.3	38.8	5.1	9.9	424.4	27.2	1078.5		1.4
SMDH 00065	73.9	101.4	218.5	25.2	91.5927	18.0965	1.49624	13.6	1.8	11.5	2.6	7.6	1.4	9.9	1.6	47.9	7.3	13.1	562.3	28.6	1036.4		
SMDH 00065	47.8	74.3	160.0	18.6	68.4047	12.9096	1.72643	10.1	1.6	7.6	1.5	4.3	0.7	4.3	0.7	36.5	7.1	11.2	434.6	28.6	1089.9	0.7	
SMDH 00065	20.7	60.5	125.2	14.4	52.1731	8.76008	1.61133	6.8	0.9	4.1	0.6	1.8	0.3	1.1	0.3	25.6	4.2	7.9	315.1	17.2	645.9		1.5
SMDH 00065	48.9	96.2	196.3	22.7	81.1581	13.947	1.95662	10.9	1.6	7.9	1.4	4.1	0.8	4.1	0.7	40.2	7.4	11.3	447.5	40.1	985.7		
SMDH 00066	28.6	88.7	182.6	21.5	73.0423	12.9096	1.61133	8.4	1.1	5.7	1.0	3.3	0.3	3.1	0.3	35.7	2.9	13.1	585.2	12.9	718.1		
SMDH 00066	21.0	55.4	114.6	13.5	47.5355	8.29903	1.03586	5.6	0.7	3.8	0.7	2.2	0.3	1.8	0.3	21.2	1.9	7.5	341.1	12.9	523.5		1.5
SMDH 00066	20.5	96.9	190.4	23.2	77.6799	12.7943	1.84152	8.2	0.8	4.5	0.8	2.3	0.3	1.8	0.3	33.0	2.4	10.7	458.6	22.9	635.8		
SMDH 00066	14.1	69.1	146.6	17.5	57.9701	10.8348	1.38114	6.9	0.7	3.2	0.3	1.7	0.3	1.3	0.3	31.2	1.7	6.1	243.4	14.3	882.3	1.4	
SMDH 00066	13.4	54.3	111.8	13.3	44.0573	8.18376	1.38114	5.3	0.3	2.7	0.6	1.4	0.3	1.3	0.3	22.5	1.4	6.4	254.2	12.9	638.4		1.5
SMDH 00066	21.2	72.7	155.8	17.5	59.1295	10.7196	1.84152	6.9	0.8	4.4	0.7	2.5	0.3	2.4	0.3	30.2	1.3	8.1	335.4	15.7	874.3		
SMDH 00066	24.2	88.7	168.9	19.0	66.0859	11.4112	1.72643	7.4	0.9	4.2	0.8	2.1	0.3	2.4	0.3	27.3	1.4	7.4	311.4	31.5	894.2		
SMDH 00066	15.0	101.1	208.2	22.1	76.5205	13.1401	2.07171	7.6	0.7	3.1	0.6	1.3	0.3	1.0	0.3	40.9	1.2	5.2	223.2	12.9	409.5	0.7	1.6
SMDH 00066	24.6	93.0	188.8	20.9	69.5641	12.4485	1.61133	7.7	0.8	4.5	0.8	2.4	0.3	2.6	0.3	35.4	1.4	7.3	332.4	31.5	786.3		
SMDH 00067	38.5	92.7	207.9	23.4	78.8393	14.0622	1.61133	8.6	1.2	6.5	1.3	3.2	0.3	3.5	0.6	39.3	2.8	10.7	463.3	17.2	922.4		
SMDH 00067	27.2	79.3	175.4	19.6	67.2453	12.3333	1.38114	7.2	0.9	5.0	0.9	2.3	0.3	2.3	0.3	33.8	2.7	9.6	395.6	18.6	638.6		
SMDH 00067	19.6	34.6	74.9	8.9	30.1444	6.109	1.03586	4.1	0.6	3.8	0.7	1.6	0.3	1.6	0.3	11.7	1.1	5.1	216.1	15.7	591.2	1.8	1.5
SMDH 00067	19.0	39.4	81.4	9.1	32.4632	5.87848	0.92076	3.6	0.3	3.2	0.6	1.7	0.3	1.7	0.3	13.5	1.2	5.5	243.4	14.3	614.6		
SMDH 00067	9.9	69.3	142.3	16.0	53.3325	8.18376	1.26605	4.7	0.3	2.4	0.3	0.8	0.3	0.6	0.3	27.7	1.1	5.4	250.6	15.7	733.5		
SMDH 00067	8.2	77.1	149.3	17.3	57.9701	9.22114	2.07171	4.8	0.3	2.1	0.3	0.7	0.3	0.3	0.3	25.8	0.9	5.7	252.5	18.6	716.9		1.4
SMDH 00067	6.7	51.5	103.1	11.6	39.4197	6.22427	1.84152	3.2	0.3	1.6	0.3	0.6	0.3	0.3	0.3	17.8	0.8	7.0	310.1	17.2	838.8	0.3	
SMDH 00067	6.7	51.5	103.1	11.6	39.4197	6.22427	1.84152	3.2	0.3	1.6	0.3	0.6	0.3	0.3	0.3	17.8	0.8	7.0	310.1	17.2	838.8	0.3	
SMDH 00068	36.2	83.3	175.9	20.5	70.7235	11.9875	1.26605	7.3	1.1	6.1	1.1	3.2	0.3	3.4	0.3	31.5	2.7	14.9	673.5	22.9	766.6		
SMDH 00068	31.1	94.1	197.7	22.7	77.6799	13.1401	1.15095	7.8	0.9	5.6	1.0	2.6	0.3	2.8	0.3	37.1	2.4	8.7	407.1	12.9	614.6		1.6
SMDH 00068	39.8	55.6	118.5	13.3	45.2167	8.76008	1.03586	5.5	0.8	6.0	1.3	3.7	0.7	4.5	0.7	21.1	1.9	5.8	260.8	17.2	689.3		
SMDH 00068	36.9	51.7	111.7	12.2	44.0573	7.95323	1.03586	5.3	0.8	5.7	1.3	3.7	0.7	4.3	0.7	19.9	1.9	7.9	345.3	17.2	669.9	1.0	
SMDH 00068	25.2	46.6	94.0	11.3	37.1009	7.49218	1.26605	5.0	0.7	4.8	0.9	2.3	0.3	2.5	0.3	15.9	1.4	5.7	255.7	24.3	635.8		1.3
SMDH 00068	37.1	59.5	121.6	14.8	49.8543	9.45167	1.49624	6.4	1.1	6.4	1.3	3.2	0.6	3.8	0.6	21.5	2.4	6.8	296.0	25.7	774.4		
SMDH 00068	18.8	62.2	127.8	15.1	51.0137	8.87535	1.38114	5.5	0.7	3.9	0.7	1.6	0.3	1.6	0.3	23.5	1.2	5.3	230.2	15.7	672.0		
SMDH 00068	12.4	68.3	137.6	16.0	52.1731	8.41429	1.95662	4.8	0.3	2.5	0.3	1.1	0.3	1.0	0.3	24.4	0.8	3.7	162.1	12.9	771.8		1.5
SMDH 00068	17.2	67.6	138.0	16.1	55.6513	9.56693	1.61133	5.3	0.6	3.2	0.6	1.6	0.3	2.0	0.3	25.3	1.5	4.5	193.7	51.5	753.6		
SMDH 00068	34.6	63.7	131.7	15.5	51.0137	9.22114	1.95662	5.7	0.8	5.6	1.1	3.2	0.6	4.0	0.7	23.4	1.5	4.1	178.8	20.0	855.4		
SMDH 00069	30.5	108.0	251.8	26.7	89.2739	15.6759	0.92076	10.7	1.3	6.0	1.1	3.0	0.3	2.8	0.3	50.0	3.7	34.9	1579.5	15.7	1166.5		
SMDH 00069	30.4	75.1	180.3	16.9	61.4483	10.6043	1.26605	7.3	0.9	5.4	1.1	3.2	0.3	3.4	0.3	33.5	2.1	11.6	546.4	22.9	1404.3		
SMDH 00069	44.5	92.3	185.5	21.6	76.5205	12.1027	1.49624	9.1	1.2	7.1	1.5	4.3	0.7	4.2	0.3	35.4	1.9	9.3	426.2	20.0	993.9		0.9
SMDH 00069	39.8	74.8	147.6	17.4	57.9701	10.9501	1.38114	7.7	1.1	6.8	1.5	4.5	0.7	4.3	0.6	28.5	1.8	7.4	332.6	24.3	755.9	1.2	
SMDH 00069	37.0	80.1	146.5	19.3	64.9265	10.8348	1.61133	7.3	1.2	5.8	1.4	4.6	0.3	4.4	0.3	28.4	1.9	11.6	454.3	22.9	1013.3		
SMDH 00069	43.9	71.0	138.2	16.8	54.4919	8.87535	1.26605	5.7	0.8	6.3	1.6	4.6	0.7	5.1	0.3	24.1	1.3	8.8	384.3	17.2	834.1		1.5
SMDH 00069	50.7	92.0	201.5	25.0	85.7957	13.1401	2.18681	9.9	1.2	7.9	1.8	6.6	0.9	4.9	0.8	36.0	2.0	11.6	491.4	28.6	1132.2		
SMDH 00069	44.2	81.4	179.0	21.3	73.0423	11.8722	1.61133	7.9	1.1	6.5	1.5	5.4	0.8	4.7	0.7	29.5	1.4	10.5	467.6	25.7	1069.8	1.2	
SMDH 00069	51.3	91.1	205.5	24.1	79.9987	13.1401	1.72643	9.3	1.3	7.9	1.7	5.9	0.8	4.5	0.8	35.0	1.8	13.2	593.4	32.9	1224.2		1.6
SMDH 00069	52.0	74.7	164.9	19.1	66.0859	10.9501	1.84152	7.4	1.1	7.3	1.8	5.9	0.8	5.6	0.8	27.4	1.8	8.5	382.4	20.0	968.2		
SMDH 00069	42.5	84.4	186.4	22.2	75.3611	12.5638	1.84152	8.8	1.1	6.6	1.5	4.9	0.7	4.1	0.3	32.9	1.8	7.8	365.1	18.6	918.9		
SMDH 00069	44.6	84.7	186.5	22.0	78.8393	12.7943	1.84152	8.8	1.1	6.8	1.6	5.1	0.7	4.1	0.7	33.3	2.4	10.0	436.0	24.3	1178.2	1.1	1.6
SMDH 00069	52.6	86.0	189.7	22.9	75.3611	13.0249	2.07171	8.9	1.2	8.1	1.8	6.4	0.9	5.3	0.9	32.7	2.1	10.6	462.6	27.2	1030.6		
SMDH 00069	53.0	112.9	210.2	28.2	85.7957	15.0996	1.95662	9.4	1.4	8.1	1.9	6.4	1.0	5.6	0.8	33.8	2.0	10.8	488.0	48.6	1060.0		
SMDH 00069	42.1	80.7	177.5	21.3	74.2017	13.2554	1.72643	8.1	1.1	6.3	1.5	5.1	0.8	4.5	0.7	30.2	2.0	9.3	433.9	21.5	1037.1		1.5
SMDH 00069	46.1	81.5	170.2	18.7	67.2453	11.4112	1.38114	7.7	1.1	7.1	1.6	5.4	0.7	5.7	0.8	29.6	2.0	9.1	424.2	18.6	872.0	0.8	
SMDH 00069	43.6	74.4	154.7	17.9	61.4483	10.2585	1.26605	6.8	1.1	6.2	1.6	5.2	0.7	5.2	0.7	26.5	1.5	9.1	422.0	25.7	1101.8		
SMDH 00069	40.0	75.5	152.6	17.5	63.7671	10.8348	1.26605	7.1	0.9	5.6	1.4	4.7	0.6	4.7	0.6	26.6	1.9	8.3	375.4	22.9	778.1		1.7
SMDH 00069	35.1	74.1	155.8	20.1	63.7671	11.9875	1.38114	6.8	0.9	5.5	1.1	3.8	0.7	4.4	0.3	29.3	1.9	8.6	318.0	17.2	656.9		
SMDH 00070	18.4	61.7	125.5	14.1	49.8543	9.91272	0.92076	5.6	0.8	3.8	0.7	2.2	0.3	1.9	0.3	34.2	2.4	10.4	505.3	15.7	795.4		1.6
SMDH 00070	35.9	93.2	177.9	19.3	67.2453	11.2959	1.26605	6.8	1.1	6.8	1.3	4.1	0.6	4.3	0.6	34.1	2.0	7.3	365.1	22.9	770.6		
SMDH 00070	50.4	91.3	159.8	20.4	73.0423	17.7507	4.71891	10.8	1.6	10.1	1.6	5.1	0.7	4.1	0.7	12.0	1.7	5.4	322.4	38.6	2449.4	3.5	
SMDH 00070	24.7	79.5	154.8	17.7	60.2889	10.1433	1.38114	5.0	0.8	4.2	0.8	3.3	0.3	3.1	0.3	28.7	1.1	7.4	410.5	17.2	735.3		1.7
SMDH 00070	20.8	58.3	109.0	12.5	41.7385	7.03112	1.15095	3.2	0.3	3.8	0.7	2.2	0.3	2.7	0.3	20.3	1.1	7.7	450.9	22.9	924.3		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00070	8.4	18.9	33.6	3.4	11.594	1.84423	0.28774	1.1	0.3	1.4	0.3	0.9	0.3	1.0	0.3	14.8	2.9	2.0	104.7	7.2	134.5		
SMDH 00070	23.8	52.8	105.0	12.2	39.4197	7.37691	1.03586	4.1	0.7	4.0	0.8	2.7	0.3	3.0	0.3	19.5	1.2	5.9	300.0	15.7	689.6	1.6	1.7
SMDH 00070	31.2	69.7	139.7	15.5	51.0137	8.99061	1.15095	4.7	0.8	4.9	1.0	3.7	0.3	3.8	0.6	24.1	1.5	6.5	358.6	18.6	829.9		
SMDH 00070	18.5	55.4	116.3	13.2	45.2167	8.64482	1.26605	4.9	0.7	3.9	0.7	2.1	0.3	2.2	0.3	24.5	2.1	9.7	558.2	28.6	1965.9		
SMDH 00070	33.0	75.8	149.0	16.8	54.4919	10.028	1.26605	5.4	0.9	5.2	1.0	3.5	0.3	4.0	0.6	26.9	2.1	7.7	456.0	22.9	869.9		1.7
SMDH 00070	34.2	72.5	144.9	16.7	56.8107	9.6822	1.26605	6.0	1.1	5.6	1.1	4.1	0.7	4.0	0.6	26.9	2.9	7.7	373.0	17.2	686.8	0.9	
SMDH 00070	28.1	72.3	149.4	16.7	56.8107	9.79746	1.26605	6.0	0.8	4.5	1.0	3.9	0.3	3.4	0.6	27.8	1.8	8.6	383.9	17.2	775.1		
SMDH 00070	28.4	68.9	141.5	16.5	55.6513	9.6822	1.38114	6.8	0.8	4.8	1.0	4.1	0.3	3.4	0.3	26.2	2.6	8.4	342.7	24.3	682.8		1.6
SMDH 00070	26.2	53.9	108.4	12.7	40.5791	6.91585	1.03586	4.0	0.6	4.2	0.8	3.9	0.3	3.8	0.3	19.1	0.8	11.6	588.3	15.7	625.1	0.7	
SMDH 00070	24.6	58.0	123.4	14.3	42.8979	6.57006	1.26605	4.1	0.6	4.0	0.9	3.5	0.3	3.2	0.3	23.5	0.7	7.7	337.4	14.3	757.8		1.7
SMDH 00070	51.3	91.3	186.0	21.1	71.8829	11.9875	1.49624	8.0	1.1	7.6	1.9	5.4	0.8	5.7	0.9	36.2	1.9	15.1	693.6	17.2	850.5		
SMDH 00070	36.5	75.7	155.3	17.3	57.9701	9.45167	1.38114	6.6	0.9	5.4	1.3	3.8	0.6	3.9	0.3	28.7	1.5	9.9	440.5	18.6	840.7		
SMDH 00070	11.5	22.2	43.5	4.7	15.0722	2.42055	1.38114	1.7	0.3	1.9	0.3	1.3	0.3	1.3	0.3	7.3	0.7	8.7	409.8	10.0	651.7	0.9	1.8
SMDH 00071	18.8	65.6	147.6	16.6	59.1295	10.9501	0.69057	6.1	0.7	3.9	0.7	1.5	0.3	1.7	0.3	31.6	2.2	15.4	651.6	8.6	384.3	40.8	1.7
SMDH 00071	27.8	89.8	194.6	21.9	77.6799	13.947	1.15095	8.6	1.1	5.5	1.0	2.2	0.3	2.5	0.3	41.1	2.8	17.5	762.4	15.7	669.7		
SMDH 00071	34.6	94.6	183.1	23.1	79.9987	14.7538	1.72643	8.5	1.1	6.2	1.1	2.5	0.3	3.0	0.3	38.6	1.9	12.4	528.6	20.0	973.6		
SMDH 00071	35.2	80.1	171.4	20.2	70.7235	14.6386	1.49624	8.4	1.2	7.1	1.3	2.5	0.3	2.8	0.3	34.8	2.0	7.7	351.3	25.7	1024.8		1.6
SMDH 00071	30.0	65.4	141.0	16.3	57.9701	11.5264	1.38114	7.4	1.1	6.0	1.0	1.9	0.3	2.3	0.3	30.1	2.4	9.7	414.7	28.6	916.8	4.5	
SMDH 00071	26.1	55.1	115.2	13.6	48.6949	10.028	1.38114	6.4	0.9	5.2	0.9	1.8	0.3	1.7	0.3	24.6	1.7	6.3	276.8	18.6	711.5		
SMDH 00071	16.6	70.3	145.1	17.7	59.1295	11.1806	1.61133	6.4	0.8	3.9	0.7	1.3	0.3	1.3	0.3	28.3	1.3	7.8	333.2	25.7	739.8	1.4	1.6
SMDH 00071	26.5	54.5	116.9	14.2	48.6949	9.3364	1.15095	6.3	1.1	5.0	0.9	1.6	0.3	1.6	0.3	23.4	1.7	9.6	394.6	20.0	843.3		1.7
SMDH 00071	44.5	48.4	98.8	11.4	39.4197	6.4548	1.15095	4.2	0.8	6.6	1.6	3.3	0.7	4.3	0.7	19.3	0.9	12.6	534.2	12.9	1126.4		
SMDH 00071	28.1	100.0	214.7	25.1	85.7957	15.6759	1.61133	8.9	1.2	5.6	1.0	1.9	0.3	2.3	0.3	48.3	1.8	10.4	435.5	18.6	1060.5	10.5	
SMDH 00071	31.9	75.5	161.1	19.6	68.4047	13.6012	1.49624	8.6	1.3	6.6	1.1	2.1	0.3	2.2	0.3	34.9	1.9	11.7	506.0	22.9	879.5		1.6
SMDH 00071	39.5	75.1	163.6	19.9	69.5641	14.408	1.72643	9.3	1.5	7.9	1.4	2.5	0.3	2.6	0.3	33.7	2.4	10.3	407.8	27.2	844.9		
SMDH 00071	39.5	75.1	163.6	19.9	69.5641	14.408	1.72643	9.3	1.5	7.9	1.4	2.5	0.3	2.6	0.3	33.7	2.4	10.3	407.8	27.2	844.9		
SMDH 00072	21.3	92.6	209.6	24.0	86.9551	15.0996	0.80567	8.2	0.9	5.0	0.9	1.6	0.3	1.8	0.3	48.2	2.6	16.4	686.7	15.7	527.0		
SMDH 00072	35.0	122.4	251.0	30.7	108.984	18.5575	1.49624	10.3	1.4	7.1	1.3	2.6	0.3	2.8	0.3	54.9	2.9	16.3	690.0	17.2	786.0	3.7	
SMDH 00072	26.9	99.2	188.8	24.1	84.6363	14.9844	2.18681	8.4	1.1	5.2	0.9	1.8	0.3	2.0	0.3	40.2	1.7	10.3	446.7	21.5	771.5		1.5
SMDH 00072	21.8	67.3	144.9	17.2	61.4483	11.4112	1.15095	6.8	0.8	4.2	0.8	1.6	0.3	2.0	0.3	33.7	1.7	9.0	377.3	20.0	537.7		
SMDH 00072	26.0	91.3	200.4	23.1	81.1581	14.6386	1.49624	8.0	1.1	5.3	1.0	1.8	0.3	2.2	0.3	44.4	2.0	9.4	407.7	18.6	688.9		
SMDH 00072	30.7	72.7	165.1	19.1	67.2453	12.1027	1.15095	7.2	0.9	5.7	1.1	2.4	0.3	2.6	0.3	36.3	2.0	7.8	321.8	18.6	588.2	3.9	1.6
SMDH 00072	27.5	66.3	146.6	17.3	60.2889	10.9501	1.03586	5.8	0.9	5.2	1.0	2.1	0.3	2.4	0.3	30.3	1.5	6.5	272.9	14.3	498.2		
SMDH 00072	26.9	97.8	192.5	23.3	81.1581	13.4859	1.84152	7.7	0.9	5.2	0.9	1.7	0.3	1.9	0.3	34.2	1.5	6.5	291.1	34.3	805.9		
SMDH 00072	21.5	61.5	133.0	16.0	56.8107	10.7196	1.61133	5.7	0.7	4.2	0.7	1.4	0.3	1.5	0.3	29.0	1.3	6.1	261.4	15.7	544.3	1.4	
SMDH 00072	29.9	66.3	143.3	17.1	59.1295	11.4112	2.07171	6.2	0.8	5.2	0.9	2.2	0.3	2.4	0.3	31.6	1.5	4.6	201.7	11.4	362.1		
SMDH 00072	32.2	64.9	142.9	17.5	61.4483	11.8722	1.38114	6.6	0.9	5.6	1.0	2.2	0.3	2.6	0.3	31.9	1.8	6.4	267.9	14.3	553.6		1.7
SMDH 00072	34.0	94.1	201.3	24.9	89.2739	15.7912	1.72643	8.9	1.2	6.9	1.3	2.4	0.3	2.5	0.3	45.9	2.0	8.4	365.3	17.2	703.1		
SMDH 00072	33.6	73.9	163.9	19.8	69.5641	13.1401	1.61133	7.6	1.1	6.0	1.1	2.3	0.3	2.5	0.3	38.0	1.8	7.3	322.2	27.2	861.9	0.4	
SMDH 00072	43.9	79.9	174.3	21.6	76.5205	14.6386	1.61133	8.1	1.2	7.7	1.4	3.1	0.6	3.8	0.3	41.0	2.0	8.5	354.2	21.5	829.2		1.8
SMDH 00072	35.6	88.8	188.5	22.8	79.9987	15.5607	1.61133	8.4	1.1	6.5	1.3	2.6	0.3	3.0	0.3	42.7	2.1	7.9	325.1	25.7	624.6		
SMDH 00072	30.0	80.3	174.0	21.0	73.0423	12.9096	1.38114	7.7	0.9	5.4	1.1	2.2	0.3	2.3	0.3	39.0	1.7	7.8	328.9	17.2	602.9		
SMDH 00072	30.0	80.3	174.0	21.0	73.0423	12.9096	1.38114	7.7	0.9	5.4	1.1	2.2	0.3	2.3	0.3	39.0	1.7	7.8	328.9	17.2	602.9		
SMDH 00073	24.5	82.5	205.4	22.0	78.8393	14.2928	1.15095	8.4	1.1	5.5	0.9	1.9	0.3	1.8	0.3	43.9	2.2	11.8	537.5	17.2	556.2		
SMDH 00073	32.7	117.5	243.0	29.8	106.665	19.0186	1.61133	10.8	1.3	6.6	1.1	2.3	0.3	2.3	0.3	52.7	2.6	14.6	634.3	15.7	617.4		1.6
SMDH 00073	25.0	133.9	260.4	32.4	111.303	19.2491	2.417	10.9	1.3	6.0	0.9	1.7	0.3	1.5	0.3	48.6	1.8	13.2	563.0	45.8	1064.5		
SMDH 00073	19.8	82.9	174.2	20.7	74.2017	13.947	1.49624	7.9	0.9	4.6	0.7	1.4	0.3	1.3	0.3	35.9	1.9	9.7	414.4	17.2	466.5	1.1	
SMDH 00073	16.5	87.3	185.5	22.2	77.6799	14.2928	1.38114	8.1	0.9	4.5	0.6	1.0	0.3	0.8	0.3	39.2	1.7	9.1	388.2	21.5	515.8		1.6
SMDH 00073	25.6	106.3	226.4	27.1	96.2303	17.1744	1.72643	10.1	1.1	6.1	0.9	1.6	0.3	1.6	0.3	49.7	1.9	11.2	463.9	18.6	682.8		
SMDH 00073	21.5	69.7	149.0	18.0	62.6077	11.2959	1.26605	6.5	0.7	4.4	0.7	1.5	0.3	1.7	0.3	32.6	1.7	7.7	336.9	14.3	708.0		
SMDH 00073	30.0	65.4	137.4	16.7	56.8107	10.9501	1.26605	6.4	0.8	5.2	1.0	2.1	0.3	2.6	0.3	33.2	1.2	4.6	203.4	18.6	603.8	1.2	1.5
SMDH 00073	44.2	68.4	150.5	17.2	60.2889	11.8722	1.15095	7.0	0.9	6.9	1.6	3.4	0.8	4.7	0.7	36.3	1.7	8.3	350.8	18.6	826.2		
SMDH 00073	28.8	70.7	150.6	18.3	66.0859	11.8722	1.26605	6.8	0.8	5.4	1.0	2.1	0.3	2.5	0.3	37.1	1.2	4.5	191.5	11.4	674.8		
SMDH 00073	43.5	79.5	168.9	20.3	70.7235	12.3333	1.38114	7.2	0.9	7.0	1.6	3.5	0.8	4.4	0.7	40.1	1.5	6.8	292.3	14.3	890.9		1.5
SMDH 00073	11.3	92.6	191.0	22.5	78.8393	12.9096	1.84152	6.8	0.7	3.2	0.3	0.8	0.3	0.6	0.3	44.5	1.1	7.2	320.7	11.4	819.9	0.2	
SMDH 00073	12.5	130.2	266.6	30.7	108.984	17.5202	2.30191	9.5	0.9	3.7	0.3	0.8	0.3	0.6	0.3	61.2	1.1	5.9	260.7	12.9	703.3		
SMDH 00073	11.7	107.3	213.5	24.6	89.2739	13.8317	2.64719	7.4	0.8	3.2	0.3	0.8	0.3	0.7	0.3	44.7	0.9	5.2	227.1	25.7	284.3		1.8
SMDH 00073	11.7	107.3	213.5	24.6	89.2739	13.8317	2.64719	7.4	0.8	3.2	0.3	0.8	0.3	0.7	0.3	44.7	0.9	5.2	227.1	25.7	284.3		1.8
SMDH 00074	19.5	59.3	178.3	15.0	55.6513	9.91272	1.03586	6.9	0.8	4.5	0.8	2.5	0.3	2.5	0.3	41.5	2.1	13.8	524.2	22.9	518.1		
SMDH 00074	21.5	77.4	169.7	18.4	63.7671	11.1806	1.15095	7.4	0.8	4.8	0.9	2.6	0.3	2.3	0.3	43.0	1.8	12.6	465.6	17.2	639.3	3.3	1.4
SMDH 00074	34.7	108.7	220.8	25.8	98.5491	18.5575	2.30191	12.6	1.3	7.6	1.3	4.1	0.3	2.8	0.3	47.8	1.4	10.8	414.7	18.6	642.1		
SMDH 00074	28.8	92.0	200.7	25.0	82.3175	16.3675	1.26605	11.3	1.2	5.3	1.0	3.5	0.3	2.6	0.3	44.4	1.5	9.3	412.9	18.6	680.9		
SMDH 00074	26.5	84.7	181.7	21.9	74.2017	15.9065	1.49624	9.9	1.2	5.3	1.0	3.3	0.3	2.4	0.3	41.0	1.4	9.4	425.5	18.6	726.0		1.6
SMDH 00074	37.0	75.9	159.1	19.8	64.9265	15.0996	1.38114	10.0	1.4	6.3	1.3	4.6	0.7	4.0	0.6	34.1	1.4	10.4	478.3	22.9	847.9	0.8	
SMDH 00074	33.3	75.8	161.9	19.1	63.7671	13.3707	1.38114	9.3	1.2	5.7	1.0	4.1	0.6	3.3	0.3	33.2	1.4	10.5	452.9	22.9	870.4		
SMDH 00074	29.9	46.5	89.2	10.1	33.6226	7.03112	1.72643	5.4	0.9	4.4	1.0	4.0	0.6	3.9	0.6	14.4	1.2	15.1	653.0	22.9	1182.0		1.7
SMDH 00074	19.9	68.9	149.0	17.7	60.2889	11.9875	1.61133	7.3	0.8	3.6	0.7	2.5	0.3	2.2	0.3	34.9	1.2	11.0	509.0	22.9	1066.3		
SMDH 00074	24.5	96.7	205.0	25.5	83.4769	15.7912	1.72643	9.5	1.1	4.5	0.9	3.3	0.3	2.7	0.3	42.8	1.2	10.5	488.3	18.6	1188.5	0.8	
SMDH 00074	27.6	92.0	195.4	24.0	78.8393	15.3301	1.26605	9.5	1.2	5.5	1.0	3.4	0.3	2.7	0.3	41.0	1.3	9.3	431.0	22.9	1509.7		1.6
SMDH 00074	29.9	94.9	202.7	24.4	82.3175	15.0996	1.84152	9.1	1.2	5.4	1.0	3.5	0.3	3.2	0.3	44.6	1.4	11.3	499.4	21.5	1114.5		
SMDH 00074	31.4	93.3	190.6	21.9	75.3611	15.5607	1.95662	8.9	1.3	6.3	1.1	3.4	0.3	3.1	0.3	49.2	1.5	8.4	391.6	18.6	748.9		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00074	39.7	97.0	196.1	22.2	74.2017	15.3301	1.84152	9.6	1.4	7.6	1.4	4.0	0.6	4.0	0.6	47.5	2.0	8.6	415.8	22.9	779.0	0.4	1.8
SMDH 00074	28.8	95.2	197.6	21.9	76.5205	15.9065	1.72643	9.6	1.3	6.4	1.1	3.1	0.3	2.7	0.3	50.1	1.5	7.2	362.0	21.5	713.4		
SMDH 00074	23.7	103.5	210.1	23.4	82.3175	15.2149	1.72643	9.3	1.2	6.0	0.9	2.3	0.3	2.4	0.3	49.4	1.5	7.7	379.8	20.0	606.6		
SMDH 00074	22.8	89.1	178.1	20.7	69.5641	12.7943	1.84152	7.7	0.9	5.2	0.8	2.3	0.3	2.3	0.3	41.3	1.2	7.2	365.4	11.4	688.6		1.8
SMDH 00074	20.8	80.0	160.3	18.1	63.7671	10.7196	1.72643	7.3	0.8	4.8	0.8	2.3	0.3	1.8	0.3	37.9	1.2	6.4	335.1	14.3	964.7	0.8	
SMDH 00074	21.7	85.7	170.0	19.3	67.2453	11.6417	2.07171	7.4	0.9	4.7	0.9	2.3	0.3	2.0	0.3	40.0	1.2	8.1	359.6	14.3	861.0		
SMDH 00074	21.7	85.7	170.0	19.3	67.2453	11.6417	2.07171	7.4	0.9	4.7	0.9	2.3	0.3	2.0	0.3	40.0	1.2	8.1	359.6	14.3	861.0		
SMDH 00075	29.1	99.8	193.0	20.4	79.9987	11.0654	1.26605	8.7	1.1	5.5	0.9	2.9	0.3	2.5	0.3	37.9	1.9	16.4	730.6	14.3	731.1		1.5
SMDH 00075	44.2	99.8	187.8	20.3	79.9987	11.5264	1.61133	8.4	1.2	7.2	1.5	4.3	0.7	4.0	0.3	38.5	1.5	12.3	564.8	15.7	753.3	3.2	
SMDH 00075	40.0	97.6	193.7	20.1	75.3611	10.1433	1.61133	8.0	1.1	6.9	1.4	4.1	0.6	3.8	0.3	35.5	1.3	10.5	471.7	15.7	892.5		
SMDH 00075	41.4	125.2	260.3	25.9	100.868	14.6386	1.84152	10.0	1.3	6.9	1.5	4.7	0.7	4.4	0.6	48.0	1.5	13.9	612.5	18.6	1047.7		1.3
SMDH 00075	37.6	89.2	185.5	18.6	71.8829	11.4112	1.61133	8.0	1.2	6.4	1.3	3.9	0.6	3.3	0.3	35.5	2.5	11.1	500.7	20.0	822.9		
SMDH 00075	32.7	115.6	260.9	26.2	92.7521	13.8317	2.30191	10.0	1.3	6.4	1.3	3.4	0.3	3.5	0.3	45.7	1.5	13.2	617.9	22.9	905.2	0.7	
SMDH 00075	27.2	143.9	305.9	30.0	117.1	16.137	1.84152	11.2	1.3	5.8	1.0	2.5	0.3	2.3	0.3	56.4	1.8	15.6	720.0	20.0	1098.3		1.5
SMDH 00075	32.4	138.7	292.9	28.8	115.94	16.5981	1.84152	10.9	1.4	6.8	1.3	3.3	0.3	2.7	0.3	59.3	1.8	13.4	626.5	24.3	1107.9		
SMDH 00075	27.4	109.7	233.0	22.5	86.9551	12.6791	1.72643	8.7	1.1	5.7	0.9	2.6	0.3	1.9	0.3	43.7	1.9	11.9	535.5	34.3	1028.7		
SMDH 00075	36.9	104.9	214.5	25.0	85.7957	14.1775	1.84152	8.8	1.2	6.9	1.3	4.1	0.3	3.1	0.3	37.7	1.9	8.0	368.9	28.6	788.8	0.9	
SMDH 00075	30.9	86.2	178.7	20.2	67.2453	10.8348	1.95662	7.4	0.9	5.4	1.0	3.4	0.3	3.1	0.3	27.6	1.3	8.3	388.6	28.6	716.7		
SMDH 00075	47.7	128.8	273.9	31.3	108.984	16.9438	1.61133	11.3	1.4	8.4	1.7	5.7	0.7	5.0	0.8	50.4	2.5	10.1	460.6	18.6	819.0		1.5
SMDH 00075	32.4	123.4	260.1	29.2	100.868	15.9065	1.61133	9.7	1.1	5.6	1.1	3.7	0.3	3.4	0.3	47.9	2.0	8.3	402.8	12.9	692.6	0.5	
SMDH 00075	11.2	94.9	203.8	22.8	84.6363	13.6012	1.49624	7.9	0.7	3.1	0.3	1.1	0.3	0.9	0.3	42.8	1.5	12.5	434.7	20.0	1149.3		
SMDH 00075	34.7	104.2	223.8	25.2	88.1145	13.6012	1.26605	8.4	0.9	6.1	1.1	4.7	0.6	4.3	0.6	44.2	1.5	12.5	464.7	8.6	750.1		1.6
SMDH 00075	8.1	40.1	77.2	8.4	28.985	4.03425	1.84152	2.4	0.3	1.5	0.3	1.1	0.3	1.0	0.3	14.4	0.9	16.6	645.5	21.5	1152.1		
SMDH 00075	27.5	128.1	263.8	29.8	105.506	15.6759	1.49624	9.1	1.1	5.7	1.1	3.8	0.3	3.2	0.3	47.9	1.7	12.1	468.6	12.9	976.6	0.7	
SMDH 00075	27.0	102.0	213.8	23.8	89.2739	15.0996	1.49624	8.5	0.9	5.0	0.9	3.4	0.3	3.5	0.3	42.6	1.8	13.7	528.6	15.7	930.9		1.6
SMDH 00075	32.3	108.7	225.3	24.7	91.5927	13.8317	1.84152	8.6	1.1	6.1	1.1	4.7	0.6	4.5	0.6	48.5	1.2	14.0	530.6	12.9	982.0		
SMDH 00075	32.3	108.7	225.3	24.7	91.5927	13.8317	1.84152	8.6	1.1	6.1	1.1	4.7	0.6	4.5	0.6	48.5	1.2	14.0	530.6	12.9	982.0		
SMDH 00076	22.9	68.2	152.8	16.8	55.6513	10.2585	0.80567	6.1	0.7	3.9	0.8	3.2	0.3	2.4	0.3	28.3	1.5	14.4	564.9	8.6	516.5	2.1	
SMDH 00076	31.3	113.8	244.3	27.0	91.5927	17.1744	1.03586	10.3	1.3	5.5	1.1	3.8	0.3	3.0	0.3	49.9	2.5	27.1	1116.6	10.0	694.9		1.5
SMDH 00076	18.0	44.9	88.3	10.6	34.782	5.41742	1.61133	4.1	0.6	3.1	0.3	2.3	0.3	2.0	0.3	14.9	1.3	20.4	962.4	22.9	1114.2		
SMDH 00076	21.0	32.8	67.9	7.8	27.8256	5.99374	1.61133	4.8	0.8	3.9	0.7	2.2	0.3	1.6	0.3	11.2	1.7	16.4	660.7	27.2	951.6		
SMDH 00076	25.6	32.2	74.6	8.8	32.4632	8.0685	1.72643	7.2	0.9	5.4	0.8	2.3	0.3	1.6	0.3	9.4	1.2	8.1	349.3	34.3	1643.3	1.1	1.6
SMDH 00076	9.3	16.7	34.7	4.2	13.9128	3.45793	1.38114	2.7	0.3	2.1	0.3	0.9	0.3	0.8	0.3	2.4	0.6	5.0	199.4	32.9	1192.5		
SMDH 00076	10.5	19.1	39.2	4.4	15.0722	4.03425	1.72643	3.1	0.3	2.6	0.3	1.1	0.3	1.1	0.3	1.8	0.3	7.7	379.8	32.9	1552.4		
SMDH 00076	10.5	19.1	39.2	4.4	15.0722	4.03425	1.72643	3.1	0.3	2.6	0.3	1.1	0.3	1.1	0.3	1.8	0.3	7.7	379.8	32.9	1552.4		
SMDH 00077	7.0	31.7	75.7	7.8	27.8256	4.49531	1.38114	2.4	0.3	1.5	0.3	0.7	0.3	0.7	0.3	11.0	0.6	10.0	400.4	12.9	718.3		
SMDH 00077	36.6	115.4	261.3	28.8	93.9115	16.4828	1.38114	11.0	1.2	7.0	1.3	4.3	0.3	3.5	0.3	45.2	2.5	12.6	609.6	21.5	968.7		
SMDH 00077	44.9	111.5	272.2	29.2	98.5491	16.5981	1.72643	12.1	1.4	8.4	1.5	5.2	0.6	4.5	0.6	47.5	2.7	15.3	582.9	25.7	1225.9		
SMDH 00077	30.0	119.8	296.3	30.6	104.346	16.8286	1.61133	11.8	1.2	6.0	1.0	3.4	0.3	2.8	0.3	49.4	2.2	13.2	494.5	14.3	965.4	3.3	1.5
SMDH 00077	20.3	118.6	290.5	29.7	97.3897	16.3675	1.61133	10.5	1.1	4.5	0.7	2.1	0.3	1.3	0.3	48.3	1.7	9.7	361.9	12.9	758.2		
SMDH 00077	29.0	80.7	198.4	20.3	68.4047	12.6791	1.49624	8.2	0.9	5.0	1.0	3.7	0.3	3.0	0.3	31.8	1.8	12.7	514.2	24.3	1072.2		
SMDH 00077	38.1	93.0	232.7	24.3	83.4769	14.9844	1.61133	10.7	1.3	7.1	1.3	4.5	0.6	3.6	0.3	39.3	2.5	7.8	294.3	18.6	932.0		1.6
SMDH 00077	45.1	120.2	288.4	31.0	106.665	18.0965	1.84152	13.1	1.5	8.8	1.6	5.5	0.7	4.1	0.6	48.4	3.1	15.7	582.6	32.9	1189.2	1.0	
SMDH 00077	19.3	64.0	153.9	15.4	51.0137	8.64482	1.84152	5.6	0.6	3.8	0.7	2.3	0.3	1.9	0.3	25.8	1.4	11.4	453.6	15.7	1012.1		
SMDH 00077	13.3	53.2	97.5	10.8	35.9414	5.18689	2.30191	3.2	0.3	2.4	0.3	1.6	0.3	1.6	0.3	12.6	0.7	5.1	204.9	18.6	500.8		1.7
SMDH 00077	9.8	80.4	167.2	18.5	60.2889	10.3738	1.84152	5.4	0.6	2.4	0.3	1.0	0.3	0.7	0.3	29.0	1.2	11.3	444.0	14.3	957.7		
SMDH 00078	64.3	230.2	474.2	55.1	185.504	31.4671	1.38114	22.5	2.6	12.7	2.4	7.0	0.9	5.9	0.8	99.8	5.1	25.6	1140.8	12.9	599.2	0.9	
SMDH 00078	28.4	115.4	244.8	27.6	95.0709	16.2523	1.61133	10.3	1.2	5.7	1.0	3.1	0.3	2.5	0.3	48.7	2.0	9.8	422.7	15.7	867.3		
SMDH 00078	38.4	124.1	258.7	29.3	99.7085	16.5981	1.95662	11.1	1.2	7.2	1.1	4.3	0.3	3.1	0.3	50.4	2.2	11.3	493.4	17.2	857.7		1.5
SMDH 00078	35.1	103.5	219.7	24.9	85.7957	14.1775	1.38114	9.9	1.2	6.6	1.3	3.9	0.3	3.4	0.3	40.3	1.7	10.7	467.8	18.6	1025.0		
SMDH 00078	32.8	90.4	192.8	21.6	71.8829	12.3333	1.49624	8.6	1.2	5.8	1.1	3.9	0.3	2.8	0.6	37.9	1.5	10.7	435.0	17.2	930.4	0.5	
SMDH 00078	35.7	124.0	257.4	30.3	104.346	17.2896	1.84152	12.1	1.3	7.1	1.4	2.9	0.3	3.0	0.6	52.6	1.9	12.5	541.8	20.0	1124.3		1.6
SMDH 00078	46.0	167.0	351.6	40.7	141.447	25.3581	2.07171	16.4	2.0	10.0	1.7	4.1	0.3	3.3	0.6	74.5	4.6	10.7	459.4	28.6	1059.6		
SMDH 00078	34.3	96.4	206.1	23.3	79.9987	14.7538	1.61133	9.9	1.2	6.9	1.3	2.9	0.3	2.8	0.3	39.5	2.4	10.8	491.6	24.3	1077.1		
SMDH 00078	35.2	111.9	234.0	27.9	92.7521	17.2896	1.84152	11.7	1.4	7.6	1.3	3.8	0.3	3.1	0.3	47.1	2.6	11.1	471.0	28.6	975.5	0.3	1.5
SMDH 00079	28.4	89.2	185.3	22.2	74.2017	12.9096	0.92076	8.7	1.1	5.3	1.1	2.6	0.3	2.3	0.3	35.9	2.4	8.7	378.8	8.6	306.7		1.5
SMDH 00079	31.6	74.4	156.0	18.6	60.2889	10.9501	1.61133	7.3	0.9	5.6	1.3	3.2	0.3	2.8	0.3	29.1	1.7	8.8	342.3	12.9	662.9		
SMDH 00079	64.9	214.3	460.7	55.0	178.548	29.9687	1.72643	20.9	2.6	12.9	2.7	6.3	0.9	5.5	0.8	91.8	5.2	23.0	871.8	15.7	560.6	1.5	
SMDH 00079	51.1	103.5	219.4	25.3	83.4769	14.6386	1.49624	9.3	1.4	7.7	1.9	6.2	0.9	5.8	0.9	39.7	2.4	13.2	474.5	22.9	1194.3		1.4
SMDH 00079	39.8	94.5	198.0	22.9	76.5205	12.1027	1.38114	8.4	1.1	6.4	1.5	4.3	0.8	4.2	0.6	34.8	1.9	12.9	460.9	17.2	1054.2		
SMDH 00079	39.9	83.9	174.2	20.1	68.4047	12.218	1.72643	8.9	1.2	7.0	1.4	3.8	0.6	3.9	0.6	31.7	2.1	8.6	407.0	21.5	949.3	0.4	1.6
SMDH 00079	46.9	84.0	177.5	19.7	64.9265	11.8722	1.38114	8.5	1.3	7.0	1.4	5.0	0.7	4.0	0.7	31.8	2.5	9.2	397.3	22.9	983.9		
SMDH 00079	57.5	90.4	184.7	21.1	71.8829	12.5638	1.72643	9.2	1.4	8.4	1.8	6.8	0.9	5.9	0.9	32.9	2.2	10.0	434.0	31.5	1002.8		
SMDH 00079	48.8	101.7	216.7	24.5	83.4769	14.5233	1.72643	9.7	1.4	8.4	1.7	4.6	0.7	4.7	0.9	40.5	3.1	11.2	499.3	24.3	1179.4		1.6
SMDH 00080	32.3	85.2	182.2	20.3	70.7235	12.3333	1.49624	9.1	1.1	6.3	1.1	2.6	0.3	2.8	0.3	34.9	2.5	10.7	457.1	21.5	845.4	1.4	1.4
SMDH 00080																							
SMDH 00080	44.5	98.0	212.1	23.8	79.9987	12.7943	1.03586	8.4	1.1	6.3	1.6	4.3	0.9	6.3	0.9	41.7	1.4	7.9	320.0	12.9	690.0		
SMDH 00080	12.5	69.7	150.3	16.8	57.9701	9.6822	1.15095	5.8	0.6	3.0	0.3	2.2	0.3	1.3	0.3	29.1	1.3	8.6	336.9	15.7	891.1		
SMDH 00080	8.1	75.5	152.2	17.5	55.6513	7.60744	1.61133	5.6	0.3	2.3	0.3	0.8	0.3	0.3	0.3	28.4	1.1	9.7	355.7	17.2	957.7		1.5
SMDH 00080	8.6	37.0	77.5	8.8	26.6662	4.38004	1.61133	2.5	0.3	1.5	0.3	0.8	0.3	0.9	0.3	13.2	0.8	9.3	349.5	12.9	864.3	0.5	
SMDH 00080	4.7	16.4	33.5	3.1	10.4346	1.72896	2.417	1.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	3.7	0.3	7.1	259.5	12.9	604.5		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00081	19.4	96.2	197.6	22.9	77.6799	13.1401	1.26605	9.2	0.9	4.8	0.7	1.7	0.3	1.1	0.3	39.6	1.7	6.4	283.3	11.4	516.9		
SMDH 00081	11.7	94.8	196.1	23.1	77.6799	12.6791	1.61133	8.5	0.7	2.9	0.3	0.8	0.3	0.3	0.3	38.7	1.5	6.7	270.4	14.3	661.5		1.6
SMDH 00081	19.4	129.1	264.8	31.3	110.143	17.866	1.72643	11.7	1.2	5.3	0.8	1.5	0.3	0.9	0.3	53.3	1.9	7.4	303.0	15.7	876.9	0.7	
SMDH 00081	36.1	89.7	179.0	20.4	70.7235	11.757	1.61133	9.2	1.1	7.0	1.3	3.0	0.3	3.0	0.3	33.7	2.2	9.7	391.6	32.9	1051.9		
SMDH 00081	16.6	64.8	140.2	15.6	55.6513	9.45167	1.49624	6.1	0.7	3.8	0.6	1.3	0.3	1.3	0.3	27.0	1.7	7.5	296.9	18.6	707.8		1.6
SMDH 00081	21.3	67.3	146.0	16.6	56.8107	10.3738	1.26605	6.6	0.7	4.0	0.8	1.7	0.3	1.9	0.3	27.7	1.4	8.6	348.2	18.6	807.1		
SMDH 00081	37.4	103.7	217.9	24.9	88.1145	15.2149	1.61133	10.3	1.2	6.2	1.3	3.2	0.6	4.2	0.6	42.7	1.9	10.7	425.4	17.2	893.7	0.5	
SMDH 00081	28.9	87.7	190.1	21.3	77.6799	13.0249	1.38114	8.9	0.9	5.2	1.0	2.6	0.3	2.8	0.3	37.0	1.7	8.6	362.4	17.2	993.0		1.4
SMDH 00081	24.7	64.0	135.1	14.8	52.1731	8.76008	1.03586	6.4	0.7	4.0	0.9	2.3	0.3	2.3	0.3	24.9	1.5	7.9	324.1	28.6	858.0		
SMDH 00081	27.0	66.2	145.7	16.3	55.6513	10.2585	1.26605	8.1	1.1	5.5	1.0	2.3	0.3	2.0	0.3	27.0	2.0	7.5	319.3	20.0	756.1		
SMDH 00082	40.2	108.0	226.2	23.8	86.9551	17.2896	1.61133	10.3	1.3	7.3	1.4	3.3	0.3	3.5	0.3	47.1	3.3	12.1	472.1	21.5	972.2		
SMDH 00082	38.9	86.6	178.3	20.7	74.2017	13.6012	1.72643	9.4	1.3	7.0	1.3	3.4	0.3	3.3	0.3	32.0	2.9	7.2	298.4	18.6	936.0		1.4
SMDH 00082	42.6	109.2	185.0	24.1	85.7957	13.7164	2.87738	9.4	1.4	7.9	1.5	3.7	0.6	3.1	0.3	22.1	2.5	5.9	240.6	38.6	819.2	0.7	
SMDH 00082	54.4	81.3	168.9	18.9	64.9265	12.218	1.61133	9.9	1.5	9.7	1.9	4.9	0.8	4.7	0.7	29.6	3.4	6.5	273.9	24.3	945.3		
SMDH 00082	45.9	60.2	117.4	13.7	45.2167	9.10587	1.61133	7.1	1.1	7.4	1.5	4.1	0.7	4.4	0.3	18.7	2.1	16.5	765.6	31.5	742.3		1.6
SMDH 00082	68.3	60.2	126.0	14.9	53.3325	10.028	1.49624	8.9	1.5	10.8	2.2	5.9	1.0	6.4	0.9	22.5	3.2	6.0	248.8	25.7	890.7		
SMDH 00082	68.6	63.2	128.6	15.3	49.8543	9.91272	1.95662	8.9	1.5	11.0	2.4	6.0	1.0	5.8	0.6	21.1	2.9	6.8	293.4	22.9	752.6	0.5	
SMDH 00082	65.1	105.8	211.6	24.1	84.6363	15.3301	1.84152	13.1	1.6	11.6	2.3	5.4	0.8	4.4	0.7	41.0	2.8	9.3	385.8	30.0	960.5		1.6
SMDH 00082	40.3	59.3	120.9	14.1	49.8543	9.3364	1.72643	8.0	1.1	7.1	1.5	3.9	0.3	3.3	0.6	21.7	1.3	6.1	245.8	24.3	697.0		
SMDH 00082	43.1	65.5	133.4	16.0	54.4919	10.489	1.72643	8.7	1.2	7.9	1.5	4.0	0.6	3.2	0.3	22.0	1.4	9.7	367.4	24.3	920.1		
SMDH 00082	41.4	84.4	173.9	20.5	67.2453	11.2959	1.84152	9.7	1.4	8.4	1.6	3.7	0.6	3.3	0.6	30.2	1.9	10.7	446.6	24.3	935.3	0.9	1.6
SMDH 00082	37.5	65.2	134.5	15.7	53.3325	9.91272	1.72643	8.0	1.2	6.9	1.4	3.4	0.3	2.6	0.3	22.7	1.8	8.4	346.3	24.3	1001.2		
SMDH 00083	17.9	34.5	68.4	7.2	30.1444	4.72583	0.92076	3.3	0.6	2.6	0.6	1.8	0.3	1.8	0.3	12.3	1.1	7.2	311.0	15.7	716.9		
SMDH 00083	18.6	52.2	106.0	12.2	41.7385	7.26165	1.03586	5.4	0.7	3.6	0.7	1.6	0.3	1.8	0.3	19.2	2.0	7.3	313.8	17.2	710.6		1.4
SMDH 00083	21.8	76.6	150.9	16.2	64.9265	11.6417	1.38114	8.1	1.1	4.2	0.8	1.8	0.3	1.8	0.3	28.3	2.5	9.0	359.3	18.6	853.8	2.2	
SMDH 00083	11.9	73.5	141.7	15.1	60.2889	8.99061	1.38114	6.3	0.7	2.9	0.3	1.0	0.3	0.9	0.3	28.5	1.7	8.0	307.7	18.6	664.8		
SMDH 00083	11.9	62.6	121.6	13.2	54.4919	8.29903	1.26605	6.1	0.8	3.2	0.3	1.0	0.3	0.8	0.3	23.5	1.9	10.1	364.2	31.5	855.9		1.4
SMDH 00083	15.5	83.8	154.7	19.0	61.4483	10.489	1.84152	6.6	0.7	3.2	0.3	1.0	0.3	1.0	0.3	25.6	2.0	7.3	314.2	38.6	766.4		
SMDH 00083	12.5	64.5	136.5	16.5	55.6513	10.3738	1.49624	6.8	0.7	3.2	0.3	0.9	0.3	0.9	0.3	27.7	2.0	5.3	253.7	17.2	693.8	0.5	
SMDH 00083	9.3	50.5	103.2	11.9	45.2167	7.49218	1.38114	5.0	0.3	2.6	0.3	0.7	0.3	0.7	0.3	20.0	1.8	5.7	251.8	15.7	621.3		1.5
SMDH 00084	35.6	75.9	157.7	19.0	63.7671	11.0654	1.15095	7.8	1.1	6.0	1.4	3.1	0.6	3.5	0.3	31.2	2.4	11.7	583.4	15.7	665.0		1.4
SMDH 00084	13.1	36.3	78.8	8.9	30.1444	5.30216	0.69057	3.4	0.3	2.4	0.3	1.1	0.3	1.3	0.3	14.6	1.2	3.8	189.7	8.6	353.0		
SMDH 00084	20.3	48.3	100.6	11.8	40.5791	7.03112	0.80567	4.8	0.6	4.0	0.7	1.8	0.3	1.8	0.3	19.0	1.7	5.3	252.3	27.2	596.8	2.7	
SMDH 00084	25.7	72.6	149.9	18.5	64.9265	11.8722	1.38114	7.7	0.9	5.4	0.9	2.4	0.3	2.4	0.3	30.7	2.7	12.1	551.9	18.6	530.7		1.6
SMDH 00084	25.2	58.7	121.1	14.3	48.6949	8.41429	1.38114	6.6	0.8	4.5	0.9	2.3	0.3	2.3	0.3	23.3	2.0	8.0	399.8	22.9	1050.0		
SMDH 00084	56.9	185.8	380.8	45.6	159.997	29.0466	2.07171	18.2	2.3	11.5	2.1	4.5	0.7	4.2	0.7	80.3	5.5	21.0	1010.4	21.5	908.7		
SMDH 00084	35.6	188.9	409.9	48.9	168.113	28.5855	1.84152	18.3	1.9	8.8	1.4	3.0	0.3	2.3	0.3	89.4	4.2	6.6	325.7	12.9	528.4	1.4	1.4
SMDH 00084	8.6	39.0	79.4	9.6	33.6226	4.95636	1.26605	3.9	0.3	2.1	0.3	0.6	0.3	0.7	0.3	18.9	1.1	4.5	206.4	12.9	519.3		
SMDH 00084	9.4	66.3	136.3	15.3	52.1731	8.87535	1.95662	4.9	0.3	2.4	0.3	1.0	0.3	0.7	0.3	25.8	0.9	4.4	196.1	15.7	434.5		
SMDH 00084	6.5	44.8	91.4	10.7	35.9414	5.99374	1.38114	3.6	0.3	1.6	0.3	0.6	0.3	0.7	0.3	19.1	0.7	2.9	122.2	11.4	543.1		1.5
SMDH 00084	6.5	40.1	80.1	8.9	31.3038	5.07163	1.95662	2.9	0.3	1.3	0.3	0.3	0.3	0.3	0.3	14.4	0.6	5.9	250.8	11.4	389.4	1.2	
SMDH 00085	31.4	56.8	123.8	14.2	47.5355	8.52955	1.38114	5.6	0.8	5.3	1.0	2.9	0.3	3.3	0.6	21.1	1.9	9.1	386.7	18.6	819.9	0.2	
SMDH 00085	37.6	54.9	127.2	13.9	46.3761	8.76008	1.84152	6.1	0.9	6.3	1.3	3.4	0.6	3.9	0.6	20.8	2.2	7.4	303.5	25.7	1207.7		1.2
SMDH 00085	34.6	52.0	117.2	13.1	44.0573	8.52955	1.95662	5.6	0.9	5.7	1.1	3.2	0.3	3.4	0.6	19.8	1.9	5.8	227.6	27.2	1219.8		
SMDH 00085	32.7	90.1	209.0	23.3	76.5205	14.8691	1.26605	9.1	1.2	6.2	1.1	3.0	0.3	3.1	0.3	40.1	3.1	14.6	625.6	10.0	404.1		
SMDH 00085	30.4	82.5	185.6	21.1	69.5641	13.4859	1.49624	8.0	1.1	5.6	1.0	2.6	0.3	2.6	0.3	35.4	2.5	11.0	450.9	12.9	495.4	0.8	1.3
SMDH 00085	34.2	125.1	290.6	32.4	107.824	19.4797	1.38114	12.4	1.5	7.6	1.3	3.0	0.3	2.7	0.3	55.4	3.5	9.1	402.4	7.2	468.3		
SMDH 00085	90.4	396.1	911.9	104.8	344.342	65.4701	2.5321	39.1	4.7	21.2	3.2	7.2	0.9	5.6	0.8	185.1	11.0	15.2	632.6	11.4	468.3		
SMDH 00085	26.9	129.1	305.4	34.0	110.143	21.6697	1.49624	12.5	1.5	6.5	1.0	2.2	0.3	1.7	0.3	61.4	3.4	9.1	371.1	18.6	547.1		1.6
SMDH 00085	16.1	70.5	164.0	18.5	61.4483	12.218	1.61133	7.0	0.8	3.7	0.6	1.4	0.3	1.6	0.3	31.7	2.1	7.7	335.4	20.0	584.0	1.2	
SMDH 00085	22.9	103.0	224.2	25.7	88.1145	14.7538	1.72643	8.4	0.9	4.7	0.8	1.9	0.3	2.5	0.3	43.0	1.8	8.6	370.3	12.9	769.9		
SMDH 00085	13.6	53.2	116.8	13.8	45.2167	8.52955	1.26605	4.9	0.6	2.7	0.3	1.0	0.3	1.1	0.3	22.5	1.3	7.2	304.9	21.5	793.7		1.5
SMDH 00085	17.0	56.4	126.0	14.7	48.6949	9.10587	1.49624	5.4	0.7	3.6	0.6	1.4	0.3	1.4	0.3	24.6	1.9	9.7	399.4	21.5	822.5		
SMDH 00085	17.0	64.2	142.5	16.3	55.6513	10.3738	1.61133	6.4	0.8	3.8	0.6	1.3	0.3	1.1	0.3	27.7	1.8	9.1	391.5	24.3	993.5	0.5	
SMDH 00085	7.1	52.1	111.4	12.4	42.8979	6.80059	1.84152	3.7	0.3	1.5	0.3	0.3	0.3	0.3	0.3	21.1	0.8	6.0	267.5	14.3	704.3		1.5
SMDH 00086	22.6	65.6	140.4	16.1	54.4919	10.2585	0.69057	5.7	0.7	4.1	0.8	2.2	0.3	2.4	0.3	31.7	2.2	14.6	669.9	18.6	1724.4		1.0
SMDH 00086	27.2	83.7	184.5	20.2	69.5641	12.5638	0.92076	7.2	0.9	5.0	1.0	2.6	0.3	2.8	0.3	40.8	2.6	12.1	516.1	18.6	1512.5		
SMDH 00086	25.5	74.2	132.0	17.2	56.8107	9.22114	1.03586	5.2	0.7	4.2	0.9	2.5	0.3	2.5	0.3	26.6	1.2	7.7	337.7	17.2	909.6	1.8	
SMDH 00086																							
SMDH 00086	28.1	64.8	137.9	16.0	53.3325	7.95323	1.03586	5.6	0.7	4.0	0.9	3.5	0.3	3.2	0.3	24.9	1.5	6.7	295.0	20.0	823.6		
SMDH 00086	36.1	68.6	142.6	17.1	59.1295	10.489	1.26605	6.5	0.9	5.3	1.3	4.3	0.3	4.0	0.6	25.7	1.7	7.4	331.1	18.6	818.0		1.7
SMDH 00086	29.1	51.2	112.9	13.1	44.0573	7.49218	1.15095	5.3	0.7	4.5	1.0	3.3	0.3	3.1	0.3	19.5	1.2	7.4	305.0	15.7	661.8		
SMDH 00086	24.8	75.0	157.5	17.7	60.2889	10.489	1.15095	5.8	0.7	4.6	0.9	2.6	0.3	2.8	0.3	27.9	1.5	7.3	316.1	15.7	739.1		1.5
SMDH 00086	27.8	81.3	166.1	18.9	70.7235	11.2959	1.03586	6.3	0.7	4.2	0.9	3.3	0.3	3.2	0.3	30.1	1.9	7.8	356.9	20.0	1036.7		
SMDH 00086	30.7	75.8	160.2	18.7	63.7671	11.0654	1.38114	6.2	0.8	5.0	1.1	4.2	0.6	3.8	0.3	27.9	1.5	7.9	328.4	20.0	903.1	1.3	1.7
SMDH 00086	24.2	77.2	156.8	18.9	66.0859	10.489	1.26605	5.8	0.7	4.2	0.9	2.6	0.3	2.7	0.3	28.8	1.4	7.2	317.6	21.5	886.0		
SMDH 00086	19.6	72.7	144.0	17.1	57.9701	9.91272	1.26605	5.3	0.6	3.6	0.7	1.9	0.3	2.2	0.3	24.6	1.2	9.2	406.7	11.4	644.0		
SMDH 00086	15.5	55.1	108.8	12.5	42.8979	7.14638	1.26605	3.7	0.3	2.7	0.3	1.6	0.3	1.7	0.3	18.7	0.9	7.5	335.4	10.0	749.8	0.5	1.6
SMDH 00086	20.7	65.2	130.3	15.5	53.3325	9.10587	1.26605	5.2	0.6	3.4	0.7	2.1	0.3	2.3	0.3	24.3	1.2	7.9	348.5	15.7	827.6		
SMDH 00086	36.1	74.9	153.3	17.9	62.6077	11.6417	1.38114	7.0	0.9	5.8	1.3	3.5	0.7	3.9	0.7	27.6	1.9	11.3	476.8	25.7	910.8		
SMDH 00086	7.7	72.3	105.5	13.1	44.0573	6.4548	2.18681	3.1	0.3	1.6	0.3	0.7	0.3	0.8	0.3	7.5	0.3	3.9	187.1	47.2	453.2		1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00086	7.7	72.3	105.5	13.1	44.0573	6.4548	2.18681	3.1	0.3	1.6	0.3	0.7	0.3	0.8	0.3	7.5	0.3	3.9	187.1	47.2	453.2		1.6
SMDH 00087	30.9	140.9	296.7	35.7	127.534	23.7444	0.80567	14.1	1.5	6.4	1.1	3.3	0.3	2.6	0.3	70.4	3.9	31.7	1378.4	8.6	582.1		
SMDH 00087	24.7	69.9	150.5	18.0	61.4483	12.9096	2.07171	9.1	1.1	5.6	0.8	2.5	0.3	1.8	0.3	34.4	1.9	8.4	338.2	17.2	614.1		
SMDH 00087	37.8	131.5	271.0	33.4	112.462	21.7849	1.72643	14.0	1.8	7.4	1.1	3.8	0.3	3.0	0.3	60.2	3.4	21.7	936.4	14.3	875.3		1.7
SMDH 00087	34.9	120.0	267.8	31.5	106.665	21.6697	1.72643	14.1	1.6	7.4	1.3	3.3	0.3	2.8	0.3	66.5	2.9	10.5	449.3	28.6	1064.9	1.4	
SMDH 00087	46.8	144.8	318.1	37.8	127.534	25.7039	1.61133	17.2	2.1	9.6	1.6	4.6	0.6	3.5	0.6	75.0	3.4	19.5	807.8	25.7	1382.4		
SMDH 00087	32.3	106.5	227.2	27.0	91.5927	18.6728	1.95662	12.8	1.5	6.8	1.1	3.2	0.3	2.6	0.3	47.2	2.2	10.5	430.8	18.6	916.6		1.8
SMDH 00087	57.3	102.7	226.6	27.1	90.4333	18.327	1.95662	12.5	1.8	9.7	1.9	6.7	0.9	6.9	0.9	50.0	2.2	10.7	452.7	27.2	1076.8		
SMDH 00087	48.7	116.4	259.9	30.6	106.665	20.6323	2.07171	14.6	2.0	9.5	1.7	5.1	0.7	4.7	0.7	60.9	2.8	11.6	484.0	22.9	1189.7	0.8	
SMDH 00087	51.8	117.0	258.0	29.9	100.868	20.7476	1.72643	14.4	1.8	9.4	1.7	5.8	0.8	4.9	0.8	61.0	3.1	17.6	725.1	25.7	1260.9		1.6
SMDH 00087	42.7	106.1	232.4	27.7	93.9115	18.5575	1.72643	12.5	1.6	8.6	1.5	5.0	0.6	4.3	0.6	55.4	2.4	12.4	498.0	18.6	898.9		
SMDH 00087	35.9	120.0	254.5	29.2	97.3897	18.5575	1.61133	13.3	1.4	7.3	1.3	4.3	0.3	3.5	0.6	56.2	2.7	11.9	511.8	14.3	1085.5		
SMDH 00087	50.2	137.6	292.3	35.2	120.578	24.0902	1.61133	15.1	1.8	9.4	1.7	6.0	0.8	4.9	0.8	71.1	2.9	15.7	588.0	22.9	1267.5		
SMDH 00087	68.2	140.9	304.4	36.1	125.215	23.975	1.72643	16.5	2.1	12.1	2.3	8.1	1.1	7.4	1.1	75.0	2.5	11.4	489.7	15.7	943.0		
SMDH 00087	29.5	100.8	209.8	24.6	83.4769	16.4828	1.72643	10.2	1.2	6.1	1.0	3.7	0.3	3.0	0.3	48.9	1.8	10.8	464.0	17.2	988.3		1.6
SMDH 00087	40.4	117.4	248.8	29.3	99.7085	20.056	1.38114	12.6	1.5	8.6	1.6	5.0	0.7	4.5	0.7	57.6	2.7	13.0	536.0	18.6	833.7	0.8	
SMDH 00087	38.9	127.9	270.5	31.0	104.346	20.6323	1.61133	12.1	1.4	7.2	1.4	4.7	0.7	4.0	0.7	64.8	2.0	9.9	431.6	14.3	745.9		
SMDH 00088	34.0	127.0	276.7	32.3	112.462	22.5918	0.57548	12.9	1.5	7.4	1.1	4.1	0.3	3.1	0.6	67.1	3.9	25.8	1145.6	7.2	332.9		1.7
SMDH 00088	27.5	74.9	183.1	18.5	64.9265	13.2554	1.26605	7.4	0.9	5.3	1.0	2.5	0.3	2.5	0.3	36.7	2.2	12.3	514.9	17.2	899.6	0.6	
SMDH 00088	48.7	91.9	168.6	22.1	77.6799	15.5607	2.30191	10.3	1.5	8.7	1.6	4.0	0.6	3.6	0.6	30.4	2.0	6.4	271.5	17.2	759.2		
SMDH 00088	26.4	57.6	122.6	14.1	48.6949	10.3738	1.38114	6.3	0.9	4.9	0.9	2.2	0.3	2.0	0.3	25.6	1.9	6.5	266.6	12.9	507.6		1.6
SMDH 00088	50.2	115.4	247.0	27.0	97.3897	19.3644	1.38114	12.4	1.6	9.7	1.5	5.2	0.3	3.5	0.3	52.4	2.8	11.1	461.3	24.3	1282.2		
SMDH 00088	38.4	125.9	272.2	31.1	111.303	22.4765	1.38114	13.3	1.6	8.2	1.4	3.2	0.3	2.5	0.3	65.5	3.3	17.0	718.5	25.7	1205.3		
SMDH 00088	29.8	116.2	247.9	29.3	102.027	19.9407	1.49624	11.7	1.4	7.0	1.1	2.3	0.3	1.7	0.3	58.0	2.6	9.8	429.6	22.9	1126.1		1.6
SMDH 00088	26.7	76.2	162.8	18.5	66.0859	13.0249	1.72643	8.0	1.1	5.6	0.9	2.1	0.3	1.9	0.3	36.7	1.9	6.8	282.3	15.7	744.0		
SMDH 00088	24.8	70.5	149.1	17.2	61.4483	11.9875	1.84152	7.3	0.9	5.0	0.8	1.9	0.3	1.7	0.3	33.7	1.5	5.3	229.6	15.7	524.2		
SMDH 00088	53.6	161.9	344.7	39.2	140.288	27.7787	1.84152	16.7	2.1	10.7	1.7	4.3	0.7	4.1	0.7	81.7	4.0	15.3	633.1	17.2	1007.2	0.3	1.4
SMDH 00088	49.4	123.6	261.4	29.5	105.506	20.4018	1.84152	12.4	1.6	9.0	1.7	4.3	0.7	4.2	0.7	59.2	2.4	10.6	446.7	20.0	938.6		
SMDH 00088	26.7	73.7	157.1	17.5	62.6077	11.9875	1.26605	7.3	0.9	5.0	0.9	2.3	0.3	1.9	0.3	34.8	1.8	11.4	480.2	14.3	730.2		
SMDH 00088	51.5	67.5	141.4	14.9	52.1731	9.79746	1.03586	7.1	1.2	8.0	1.6	4.5	0.8	4.8	0.8	31.8	2.1	16.7	712.7	32.9	789.8		1.5
SMDH 00088	54.7	31.1	63.5	7.0	24.3474	4.95636	1.38114	4.6	0.9	8.0	1.6	4.8	0.9	5.7	0.9	12.9	1.4	14.9	569.6	30.0	1417.7	0.8	
SMDH 00088	27.8	38.9	79.4	9.1	31.3038	5.64795	1.61133	4.5	0.7	5.2	0.9	3.7	0.3	3.4	0.3	15.8	1.2	16.4	742.3	30.0	1233.8		
SMDH 00088	14.1	72.5	148.2	16.3	56.8107	10.028	1.72643	5.8	0.6	3.0	0.3	1.1	0.3	1.1	0.3	31.0	1.4	9.9	414.2	17.2	1007.2		
SMDH 00088	29.4	140.2	308.4	36.0	121.737	24.5513	1.61133	14.2	1.6	7.3	1.0	2.3	0.3	1.7	0.3	73.7	3.7	12.9	557.1	21.5	964.0		1.5
SMDH 00089	17.1	59.4	143.8	15.9	54.4919	9.91272	0.28774	5.8	0.7	3.8	0.6	1.5	0.3	1.6	0.3	37.4	2.4	13.4	574.4	11.4	520.4		
SMDH 00089	17.4	56.7	121.1	14.5	49.8543	9.22114	0.57548	5.6	0.7	3.7	0.6	1.5	0.3	1.5	0.3	30.7	1.8	9.7	412.5	10.0	395.2		1.5
SMDH 00089	31.8	73.4	166.2	19.1	63.7671	12.6791	1.26605	7.7	1.1	6.0	1.1	2.7	0.3	2.7	0.3	39.0	2.5	7.8	309.6	18.6	601.7		
SMDH 00089	43.1	71.4	154.1	18.4	62.6077	13.0249	1.38114	8.0	1.2	7.7	1.5	3.7	0.6	3.5	0.3	38.2	2.4	6.4	258.7	18.6	652.2		
SMDH 00089	42.5	80.3	175.1	20.7	69.5641	14.7538	1.38114	8.9	1.3	7.8	1.5	3.4	0.3	3.3	0.3	45.1	3.5	8.7	352.0	25.7	597.3	0.6	1.5
SMDH 00089	30.3	52.9	112.5	13.2	45.2167	8.64482	1.38114	5.6	0.8	5.3	1.0	2.4	0.3	2.6	0.3	25.8	1.7	6.1	248.5	14.3	409.7		
SMDH 00089	35.0	61.6	133.1	15.9	56.8107	11.0654	1.38114	6.9	0.9	5.8	1.1	2.6	0.3	2.8	0.3	29.9	1.8	4.8	238.6	17.2	608.0		
SMDH 00089	31.1	51.2	109.7	13.0	46.3761	9.3364	1.26605	5.6	0.8	5.0	1.0	2.5	0.3	2.8	0.3	24.5	1.4	4.0	203.8	24.3	527.2		1.6
SMDH 00089	38.9	53.1	114.2	13.8	49.8543	9.6822	1.15095	6.4	0.9	6.3	1.3	3.1	0.6	3.5	0.6	26.8	1.5	6.1	290.7	15.7	414.6	0.5	
SMDH 00089	35.2	65.7	138.1	16.6	57.9701	11.1806	1.38114	6.9	1.1	6.1	1.0	2.5	0.3	2.8	0.3	31.1	1.8	4.2	208.7	17.2	450.6		
SMDH 00089	30.0	53.0	113.5	13.1	46.3761	9.10587	1.38114	5.7	0.8	5.0	1.0	2.3	0.3	2.5	0.3	25.9	1.3	3.4	172.8	15.7	531.4		1.6
SMDH 00089	45.8	63.1	138.1	16.3	57.9701	11.1806	1.38114	7.1	1.1	7.0	1.4	3.7	0.6	4.0	0.6	30.9	1.8	5.5	263.4	14.3	461.3		
SMDH 00089	39.8	63.7	139.8	16.7	57.9701	11.4112	1.38114	7.2	1.1	6.8	1.3	3.1	0.3	3.4	0.3	32.1	1.8	5.8	270.4	12.9	384.7	0.4	
SMDH 00089	43.6	46.2	101.0	12.5	46.3761	9.56693	1.84152	7.0	1.2	7.4	1.5	3.7	0.7	4.0	0.7	20.6	1.9	5.0	241.1	20.0	1690.0		1.6
SMDH 00089	28.8	52.1	111.9	13.1	45.2167	9.79746	1.72643	6.3	0.9	5.8	1.0	3.2	0.3	2.6	0.3	22.4	1.4	5.1	225.7	21.5	960.3	1.3	
SMDH 00089	43.9	52.4	113.7	13.8	48.6949	11.0654	1.61133	8.6	1.2	8.5	1.7	5.4	0.7	4.1	0.7	20.0	2.0	5.8	251.8	28.6	1912.6		1.7
SMDH 00089	41.7	64.6	138.3	16.3	55.6513	10.6043	1.49624	7.4	1.2	7.4	1.5	5.1	0.8	4.7	0.7	26.0	2.0	5.4	224.9	22.9	869.9		
SMDH 00089	40.4	70.3	151.3	17.8	61.4483	11.8722	1.49624	8.0	1.2	7.2	1.5	5.0	0.7	4.3	0.3	28.0	2.7	6.4	281.8	28.6	1120.3		
SMDH 00090	8.7	35.1	77.5	8.2	27.8256	5.18689	0.28774	3.0	0.3	2.2	0.3	1.0	0.3	0.9	0.3	15.7	0.8	4.1	175.5	17.2	294.3	2.0	1.5
SMDH 00090	36.6	117.6	255.1	28.9	99.7085	19.5949	1.72643	12.6	1.5	7.3	1.3	3.0	0.3	3.1	0.3	49.1	2.5	14.9	669.6	14.3	741.9		
SMDH 00090	30.5	52.9	97.7	13.2	46.3761	9.6822	1.38114	7.0	0.8	5.2	1.0	2.4	0.3	2.7	0.3	20.7	0.9	4.2	184.1	10.0	435.6		
SMDH 00090	16.9	66.9	137.6	16.9	56.8107	10.2585	1.26605	6.6	0.7	4.0	0.6	1.5	0.3	1.3	0.3	29.5	0.7	6.7	291.9	22.9	581.9		1.8
SMDH 00090	13.6	74.7	162.1	18.5	67.2453	11.0654	1.15095	7.1	0.6	3.1	0.3	0.9	0.3	0.8	0.3	36.1	0.8	8.3	377.4	18.6	626.3	1.6	
SMDH 00090	23.6	75.9	157.7	18.3	63.7671	10.1433	1.26605	7.0	0.7	4.1	0.8	2.1	0.3	2.4	0.3	32.5	0.8	7.5	330.8	14.3	510.4		
SMDH 00090	43.5	75.1	155.9	18.3	67.2453	12.1027	1.26605	7.7	1.1	6.6	1.4	3.8	0.7	4.4	0.7	34.3	1.2	8.5	401.5	18.6	722.7		
SMDH 00090	36.4	62.5	134.0	16.5	56.8107	11.4112	1.26605	7.4	0.9	5.8	1.3	3.3	0.3	3.3	0.3	30.1	1.2	7.7	335.0	17.2	644.2		
SMDH 00090	15.2	48.8	97.5	12.1	41.7385	7.7227	1.38114	4.8	0.6	3.0	0.3	1.3	0.3	1.0	0.3	19.3	0.6	3.4	146.8	8.6	296.9	0.7	1.7
SMDH 00090	15.7	74.3	150.6	18.0	61.4483	11.0654	1.49624	6.4	0.7	3.4	0.6	1.3	0.3	0.9	0.3	30.9	0.6	3.3	140.2	8.6	446.4		
SMDH 00090	11.5	42.9	83.3	10.1	33.6226	5.53268	1.26605	3.2	0.3	2.1	0.3	1.0	0.3	1.1	0.3	15.9	0.3	4.4	190.5	7.2	453.2		
SMDH 00090	22.1	63.4	132.2	15.9	52.1731	9.6822	1.38114	5.6	0.7	4.0	0.8	2.2	0.3	2.4	0.3	28.7	0.8	7.4	321.1	11.4	738.6		1.6
SMDH 00090	17.2	52.6	106.5	12.5	40.5791	7.37691	1.03586	4.4	0.3	2.9	0.6	1.7	0.3	1.8	0.3	21.0	0.6	6.4	283.0	8.6	460.2	0.5	
SMDH 00090	21.7	78.9	164.5	19.2	67.2453	12.218	1.38114	6.8	0.8	4.1	0.8	2.1	0.3	2.3	0.3	35.8	0.9	10.3	440.4	12.9	687.9		
SMDH 00090	15.1	84.5	175.4	20.4	74.2017	12.5638	1.72643	7.6	0.7	3.4	0.3	1.1	0.3	1.3	0.3	37.7	0.8	9.2	419.2	14.3	701.0		1.8
SMDH 00090	24.1	60.1	124.4	14.7	53.3325	10.1433	1.26605	6.5	0.7	4.1	0.8	2.1	0.3	2.2	0.3	26.9	0.8	6.1	278.7	17.2	564.8		
SMDH 00090	39.4	67.6	146.9	17.4	60.2889	12.3333	1.26605	9.1	1.2	6.6	1.4	3.1	0.3	3.4	0.3	34.1	1.8	7.8	335.9	20.0	690.7	0.9	
SMDH 00090	43.7	85.7	182.3	21.6	74.2017	16.137	1.49624	11.6	1.4	8.1	1.5	3.4	0.6	3.3	0.3	43.5	2.0	11.3	508.2	25.7	925.7		1.7
SMDH 00091	11.3	44.9	101.1	11.2	37.1009	6.22427	0.69057	3.6	0.3	2.2	0.3	1.1	0.3	1.3	0.3	25.0	1.2	9.7	434.7	12.9	476.3		0.7

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00091	26.7	62.9	159.7	13.7	49.8543	8.87535	1.38114	5.7	0.7	4.4	0.8	2.2	0.3	2.5	0.3	23.1	1.1	12.6	555.6	12.9	745.4		
SMDH 00091	42.2	111.9	250.1	25.5	92.7521	16.3675	1.49624	10.1	1.3	7.0	1.4	3.9	0.7	4.7	0.8	46.1	1.7	15.2	676.8	14.3	987.9		
SMDH 00091	11.5	108.0	235.8	24.5	89.2739	14.5233	1.84152	8.5	0.8	3.0	0.3	0.8	0.3	0.7	0.3	48.0	1.1	7.3	308.7	11.4	747.7		1.6
SMDH 00091	8.7	79.3	173.9	18.6	68.4047	11.2959	1.49624	6.4	0.6	2.2	0.3	0.7	0.3	0.6	0.3	35.1	0.9	7.3	326.6	10.0	625.3		
SMDH 00091	28.4	103.3	226.4	23.8	88.1145	16.0217	1.49624	9.1	0.9	5.2	1.0	2.7	0.3	3.5	0.3	45.0	1.4	12.0	535.1	8.6	799.8		
SMDH 00091	20.8	85.3	183.1	19.6	71.8829	11.757	1.49624	6.6	0.8	3.7	0.7	1.8	0.3	2.3	0.3	35.7	1.1	8.3	359.9	14.3	756.8	0.4	1.4
SMDH 00091	12.8	98.6	209.9	21.1	76.5205	12.3333	1.61133	6.4	0.7	2.7	0.3	1.0	0.3	1.0	0.3	38.7	0.7	5.5	238.8	10.0	650.3		
SMDH 00091	10.5	41.7	83.7	9.0	32.4632	4.95636	1.61133	3.3	0.3	1.8	0.3	0.8	0.3	0.9	0.3	12.8	0.3	1.9	89.7	5.7	403.4		
SMDH 00091	32.2	97.8	222.0	24.7	79.9987	14.8691	1.26605	8.2	1.1	5.7	1.0	3.1	0.6	3.8	0.6	47.9	1.5	11.1	499.5	18.6	835.8		1.6
SMDH 00091	34.2	111.0	242.6	27.6	102.027	17.6354	1.61133	10.4	1.3	6.8	1.1	3.1	0.6	3.4	0.3	52.4	1.7	11.7	505.1	21.5	1066.3	0.2	
SMDH 00091	28.1	50.4	111.5	12.6	42.8979	9.22114	1.72643	6.0	0.8	5.0	0.9	2.5	0.3	3.0	0.3	19.9	1.1	6.7	282.0	18.6	1350.6		
SMDH 00091	28.8	54.1	116.3	12.5	41.7385	7.95323	1.72643	5.2	0.7	4.6	0.9	2.6	0.3	3.0	0.3	23.4	1.1	10.6	457.4	25.7	1168.4		1.7
SMDH 00091	24.1	46.2	95.2	10.8	34.782	6.57006	1.26605	4.0	0.6	3.8	0.8	2.3	0.3	3.0	0.3	17.9	1.1	9.8	424.2	15.7	947.4		
SMDH 00091	30.9	89.4	200.9	22.7	74.2017	13.947	1.61133	7.8	1.1	5.5	1.0	3.0	0.3	3.2	0.3	42.5	1.4	11.7	483.6	14.3	1166.1	0.4	
SMDH 00091	22.6	82.1	183.1	19.8	64.9265	12.218	1.84152	6.9	0.8	4.4	0.7	2.1	0.3	2.3	0.3	37.5	1.1	8.3	362.0	17.2	890.4		1.6
SMDH 00091	36.9	108.2	245.2	27.3	86.9551	17.5202	1.72643	9.6	1.3	7.1	1.3	3.2	0.3	3.5	0.3	51.6	2.0	13.1	576.4	35.8	1223.1		
SMDH 00091	35.4	99.0	219.6	24.0	83.4769	14.5233	1.49624	9.5	1.2	6.5	1.1	3.1	0.3	3.2	0.3	44.2	1.8	12.5	493.3	25.7	1313.7		
SMDH 00092	27.8	107.1	241.6	27.5	91.5927	14.2928	0.80567	9.2	1.1	5.0	0.9	3.3	0.3	2.5	0.3	47.5	2.2	21.5	938.4	11.4	482.1		
SMDH 00092	31.8	93.3	192.3	23.9	81.1581	11.0654	2.18681	8.0	0.9	5.0	1.0	3.8	0.3	3.4	0.6	37.6	1.1	13.6	603.3	15.7	735.8		
SMDH 00092	40.6	122.6	257.6	30.6	105.506	16.4828	1.84152	11.2	1.3	7.1	1.4	5.1	0.7	4.3	0.7	51.4	1.3	11.6	477.6	24.3	753.3	2.7	1.4
SMDH 00092	37.0	112.5	250.6	28.2	98.5491	17.4049	1.38114	11.1	1.4	6.8	1.3	3.1	0.3	3.3	0.3	51.9	2.2	12.6	499.4	18.6	1109.1	0.1	1.4
SMDH 00092	22.7	101.6	210.8	24.7	84.6363	12.4485	1.61133	8.1	0.9	4.5	0.8	1.9	0.3	1.8	0.3	41.8	1.3	8.8	390.2	12.9	784.4		
SMDH 00092	22.9	108.2	230.7	25.7	86.9551	14.0622	1.84152	8.7	0.9	4.5	0.8	1.9	0.3	1.8	0.3	43.3	1.3	7.9	318.7	10.0	765.0		1.4
SMDH 00092	14.7	96.5	203.9	22.5	77.6799	11.757	1.49624	6.9	0.7	3.1	0.3	1.3	0.3	1.0	0.3	36.5	0.8	7.4	301.0	11.4	627.9	0.7	
SMDH 00092	16.1	91.3	193.3	21.6	73.0423	11.1806	1.72643	6.4	0.7	3.3	0.6	1.5	0.3	1.5	0.3	33.0	0.9	10.6	411.2	10.0	774.8		
SMDH 00092	6.8	55.7	114.5	12.9	42.8979	6.57006	1.72643	3.8	0.3	1.7	0.3	0.3	0.3	0.3	0.3	20.6	0.3	5.7	225.2	7.2	449.9		1.7
SMDH 00092	12.7	112.3	231.2	28.5	96.2303	12.9096	1.84152	9.2	0.8	3.0	0.3	1.3	0.3	0.6	0.3	43.2	1.2	12.3	545.0	15.7	748.4		
SMDH 00092	29.0	101.4	231.3	25.7	86.9551	13.1401	1.26605	8.9	1.1	4.9	0.9	3.4	0.3	3.1	0.3	48.4	1.9	13.8	621.8	18.6	650.3		
SMDH 00092	41.3	154.9	330.0	37.7	128.694	22.1307	2.07171	12.4	1.4	7.8	1.5	3.7	0.6	3.5	0.3	64.5	1.7	9.9	432.0	18.6	936.7		
SMDH 00092	39.0	141.6	317.4	36.3	122.897	19.3644	1.95662	12.9	1.4	6.8	1.4	4.5	0.3	3.8	0.6	61.9	1.8	13.3	587.9	22.9	776.0		1.6
SMDH 00092	46.1	141.5	300.0	36.7	124.056	19.3644	1.72643	13.3	1.5	8.1	1.4	5.0	0.7	4.5	0.7	68.4	2.0	11.6	495.3	17.2	640.3	0.8	
SMDH 00092	48.9	132.1	269.8	34.0	111.303	17.4049	2.07171	11.9	1.4	7.7	1.6	6.0	0.8	5.7	0.8	55.6	1.3	10.4	436.0	18.6	655.5		
SMDH 00092	47.0	133.0	277.3	31.5	107.824	17.2896	2.07171	10.2	1.3	7.9	1.7	4.5	0.8	5.0	0.8	59.1	1.2	9.0	389.4	14.3	763.4	0.4	
SMDH 00092	36.0	131.0	273.0	30.9	104.346	17.4049	1.72643	10.0	1.2	6.3	1.3	3.2	0.3	3.4	0.6	50.1	1.2	10.4	435.8	12.9	1049.8		1.5
SMDH 00092	44.4	140.2	283.6	34.2	115.94	17.4049	2.07171	11.3	1.4	7.7	1.5	5.6	0.8	5.2	0.8	52.5	1.4	11.9	533.2	14.3	688.2		1.7
SMDH 00092	30.9	105.3	219.4	25.2	85.7957	13.4859	1.26605	7.7	0.9	5.3	1.0	3.0	0.3	3.3	0.3	41.2	1.3	9.6	400.1	8.6	514.8		
SMDH 00092	42.2	133.6	270.4	30.6	106.665	16.2523	2.07171	9.5	1.2	6.6	1.5	4.1	0.7	4.3	0.7	44.7	1.2	9.7	416.2	12.9	901.4		
SMDH 00092	48.2	129.6	274.9	31.8	106.665	15.9065	1.72643	10.9	1.4	7.7	2.1	5.9	1.0	6.3	0.9	48.8	1.3	8.6	447.4	11.4	898.6		
SMDH 00093	27.2	103.1	225.8	22.9	79.9987	14.6386	1.49624	9.6	1.1	4.2	0.9	2.4	0.3	2.8	0.3	46.9	2.2	21.8	708.6	11.4	691.9		
SMDH 00093	11.0	48.2	104.5	10.7	35.9414	5.99374	1.49624	4.4	0.3	2.2	0.3	1.0	0.3	1.4	0.3	21.5	1.1	8.3	282.9	8.6	527.7		
SMDH 00093	33.7	96.0	203.7	20.9	75.3611	11.757	1.49624	8.7	1.2	5.5	1.1	2.9	0.3	3.5	0.6	41.7	2.4	12.4	451.7	18.6	844.2		1.6
SMDH 00093	32.1	103.9	228.3	22.9	79.9987	13.4859	1.38114	9.2	1.2	5.6	1.3	2.5	0.3	2.6	0.3	53.1	3.5	13.9	436.6	20.0	923.4	0.7	
SMDH 00093	42.7	106.4	241.8	23.7	83.4769	14.9844	1.49624	10.1	1.5	6.9	1.5	3.4	0.6	4.1	0.6	58.7	4.0	13.7	463.1	20.0	776.9		
SMDH 00093	37.1	110.4	224.1	21.9	81.1581	12.9096	1.49624	9.3	1.4	6.1	1.3	2.6	0.3	2.8	0.3	46.6	2.6	6.3	249.1	24.3	551.0		1.6
SMDH 00093	48.5	129.1	273.3	27.1	104.346	17.7507	1.49624	11.5	1.8	9.2	1.6	4.0	0.7	3.8	0.3	62.3	3.7	13.6	576.3	32.9	753.3		
SMDH 00093	34.2	109.6	244.9	23.3	90.4333	14.9844	1.49624	10.3	1.3	6.5	1.3	3.1	0.6	3.5	0.6	47.4	1.8	11.8	480.2	17.2	733.0	0.6	
SMDH 00093	34.2	109.6	244.9	23.3	90.4333	14.9844	1.49624	10.3	1.3	6.5	1.3	3.1	0.6	3.5	0.6	47.4	1.8	11.8	480.2	17.2	733.0	0.6	
SMDH 00094	73.3	281.9	566.3	68.0	231.88	38.6135	1.84152	24.6	3.2	14.4	2.5	8.0	1.0	6.6	0.9	109.4	5.7	36.8	1468.6	17.2	619.0	0.8	1.5
SMDH 00094	46.1	197.9	379.1	44.7	148.403	25.4734	2.30191	15.1	2.0	8.8	1.6	5.1	0.6	4.0	0.7	63.3	3.4	20.0	827.4	50.1	1085.3		
SMDH 00094	31.7	109.6	224.8	26.4	88.1145	14.9844	1.84152	10.0	1.3	5.8	1.0	3.3	0.3	2.7	0.3	41.5	2.4	10.0	393.9	17.2	938.8		
SMDH 00094	30.5	95.3	196.3	22.1	75.3611	13.6012	1.95662	8.7	1.2	6.4	1.0	3.4	0.3	2.8	0.3	35.7	2.8	9.9	383.9	17.2	723.7		1.6
SMDH 00094	39.7	130.3	283.8	31.8	112.462	19.8254	2.07171	12.5	1.5	7.6	1.4	4.7	0.3	3.9	0.3	53.5	3.3	18.0	763.2	20.0	991.8	0.6	
SMDH 00094	4.6	22.1	41.0	4.7	16.2316	2.30528	1.72643	1.5	0.3	0.8	0.3	0.3	0.3	0.3	0.3	6.6	0.3	6.7	291.0	17.2	767.6		
SMDH 00094	25.0	69.6	150.3	16.7	57.9701	9.6822	1.61133	6.6	0.9	4.6	0.8	2.9	0.3	2.4	0.3	26.0	1.8	9.2	403.2	18.6	840.0		1.6
SMDH 00094	37.0	125.1	275.1	31.1	106.665	18.327	1.72643	12.1	1.6	7.4	1.4	4.1	0.3	3.4	0.3	50.5	3.5	9.6	407.0	20.0	956.1		
SMDH 00094	27.6	98.7	213.8	24.1	86.9551	14.1775	1.84152	9.2	1.1	5.7	1.0	3.2	0.3	2.6	0.3	39.2	2.6	10.1	437.5	18.6	944.2	0.2	
SMDH 00094	27.6	98.7	213.8	24.1	86.9551	14.1775	1.84152	9.2	1.1	5.7	1.0	3.2	0.3	2.6	0.3	39.2	2.6	10.1	437.5	18.6	944.2	0.2	
SMDH 00095	18.5	51.6	109.7	11.8	42.8979	7.03112	0.92076	4.4	0.6	3.3	0.7	2.2	0.3	1.6	0.3	18.7	1.4	5.2	220.2	8.6	375.4		0.7
SMDH 00095	0.3	0.3	0.6	0.3	0.5797	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	17.4	2.9	634.0		
SMDH 00095	33.8	105.2	220.1	24.7	89.2739	14.1775	2.30191	9.1	1.3	5.7	1.3	4.0	0.3	2.8	0.3	39.1	1.7	12.7	536.1	18.6	1036.4		
SMDH 00095	27.9	111.2	238.0	26.2	95.0709	15.7912	2.18681	9.5	1.3	5.7	1.1	3.0	0.3	2.0	0.3	43.2	2.0	8.6	354.0	24.3	929.2	1.0	1.5
SMDH 00095	17.1	89.6	182.3	20.7	69.5641	11.6417	1.72643	7.1	0.8	3.8	0.7	1.3	0.3	0.7	0.3	32.4	1.5	9.2	393.6	21.5	748.4		
SMDH 00095	20.8	115.4	241.6	27.6	95.0709	14.6386	1.84152	9.9	1.1	4.6	0.8	1.3	0.3	0.9	0.3	44.9	2.0	11.9	513.8	20.0	1187.6		
SMDH 00095	17.9	104.4	219.0	24.4	84.6363	13.2554	1.61133	8.1	1.1	4.2	0.6	1.0	0.3	0.7	0.3	38.3	1.8	11.1	442.0	21.5	874.6		
SMDH 00095	13.7	88.8	179.3	20.8	70.7235	11.1806	1.49624	6.9	0.7	3.3	0.6	0.9	0.3	0.7	0.3	32.1	1.5	7.9	345.7	15.7	967.1	0.4	1.5
SMDH 00095	23.6	111.9	232.8	26.5	92.7521	14.1775	1.72643	9.5	1.2	4.9	0.8	1.6	0.3	1.1	0.3	43.3	2.0	13.9	601.9	17.2	986.7		
SMDH 00095	18.6	73.6	150.5	17.2	60.2889	9.6822	1.61133	6.1	0.7	3.8	0.7	1.5	0.3	1.3	0.3	26.3	1.3	9.7	437.8	15.7	773.7		1.6
SMDH 00095	18.6	73.6	150.5	17.2	60.2889	9.6822	1.61133	6.1	0.7	3.8	0.7	1.5	0.3	1.3	0.3	26.3	1.3	9.7	437.8	15.7	773.7		1.6
SMDH 00096	21.7	59.6	135.8	14.7	51.0137	8.76008	1.15095	6.0	0.7	3.9	0.8	1.7	0.3	1.6	0.3	24.1	1.7	7.9	336.3	12.9	969.9		
SMDH 00096	24.5	69.5	143.6	16.5	57.9701	9.56693	1.15095	6.9	0.8	4.4	0.9	2.1	0.3	2.0	0.3	26.3	1.9	7.4	320.7	15.7	689.6	2.1	
SMDH 00096	37.4	70.7	152.8	17.7	59.1295	10.1433	1.49624	7.0	0.9	6.1	1.3	3.2	0.6	3.4	0.6	27.8	2.0	9.4	408.6	17.2	916.6		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00096	34.3	90.4	190.2	21.7	74.2017	12.1027	1.61133	8.8	1.2	6.0	1.1	3.0	0.3	3.1	0.3	35.1	2.1	9.1	463.6	21.5	1375.6		
SMDH 00096	43.0	102.0	208.2	23.3	79.9987	14.0622	1.38114	10.2	1.3	7.1	1.5	3.4	0.7	4.1	0.6	38.6	2.1	10.0	453.2	30.0	926.9		
SMDH 00096	29.8	86.8	182.7	20.4	68.4047	10.9501	1.49624	8.5	1.1	5.4	1.0	2.4	0.3	2.4	0.3	35.3	1.9	8.8	405.2	21.5	901.9	0.8	1.4
SMDH 00096	28.1	106.0	219.2	24.4	82.3175	13.4859	1.38114	9.7	1.2	5.8	1.1	2.2	0.3	2.0	0.3	40.8	2.5	9.7	422.4	22.9	968.0		
SMDH 00096	33.1	90.5	187.3	21.5	75.3611	12.5638	1.49624	9.4	1.3	6.2	1.1	2.4	0.3	2.5	0.3	37.4	2.4	8.5	372.1	21.5	756.1		
SMDH 00096	31.7	110.5	233.0	26.7	90.4333	15.4454	1.61133	10.9	1.4	6.1	1.0	2.4	0.3	2.4	0.3	44.1	2.7	15.6	699.3	27.2	1052.3		1.5
SMDH 00096	24.6	69.2	145.0	16.3	55.6513	9.79746	1.84152	6.4	0.9	4.4	0.8	1.7	0.3	1.9	0.3	26.7	1.7	7.1	325.1	17.2	471.4	0.2	
SMDH 00096	24.6	69.2	145.0	16.3	55.6513	9.79746	1.84152	6.4	0.9	4.4	0.8	1.7	0.3	1.9	0.3	26.7	1.7	7.1	325.1	17.2	471.4	0.2	
SMDH 00097	23.7	62.6	131.9	15.3	51.0137	8.29903	0.69057	6.1	0.7	3.8	0.8	1.8	0.3	2.0	0.3	26.6	1.5	7.9	363.2	10.0	366.7		
SMDH 00097	27.4	85.8	173.9	19.0	71.8829	10.7196	1.38114	7.6	0.9	4.5	0.9	2.1	0.3	2.3	0.3	34.0	1.8	10.8	517.0	14.3	976.4		1.5
SMDH 00097	28.0	81.8	168.3	20.1	67.2453	12.7943	1.49624	8.2	0.9	5.5	0.9	3.4	0.3	2.5	0.3	31.6	1.4	11.0	444.8	17.2	851.0		
SMDH 00097	35.9	84.2	170.6	20.5	66.0859	11.4112	1.26605	7.9	1.1	5.6	1.1	4.6	0.6	4.0	0.3	32.1	2.4	18.0	700.0	22.9	883.9		1.5
SMDH 00097	43.6	89.8	176.5	20.9	71.8829	11.6417	0.92076	8.6	1.2	6.8	1.3	5.6	0.7	5.6	0.8	35.1	2.2	10.5	425.8	11.4	763.1		
SMDH 00097	29.1	67.8	136.4	16.3	53.3325	10.489	1.15095	6.6	0.9	4.7	0.9	4.0	0.3	3.8	0.6	25.4	1.8	10.3	404.2	12.9	584.7		
SMDH 00097	29.8	91.6	187.0	22.7	74.2017	12.4485	1.26605	7.9	0.8	5.4	1.0	3.8	0.3	3.3	0.3	35.0	1.3	12.9	494.5	11.4	1070.5	0.8	1.5
SMDH 00097	34.6	61.1	122.2	14.4	49.8543	8.41429	1.49624	5.5	0.8	4.7	1.0	4.6	0.6	3.9	0.6	23.8	0.9	9.6	349.7	10.0	609.4		
SMDH 00097	14.6	80.7	163.3	19.1	63.7671	10.3738	1.38114	6.4	0.7	2.9	0.3	1.6	0.3	1.3	0.3	31.0	1.1	8.6	329.6	12.9	570.9		
SMDH 00097	21.8	80.1	157.0	18.4	62.6077	10.1433	1.26605	6.5	0.7	4.1	0.7	2.7	0.3	2.4	0.3	29.5	1.3	10.1	383.9	15.7	793.3		1.5
SMDH 00097	16.0	82.2	171.0	19.0	67.2453	10.2585	1.38114	5.8	0.3	3.1	0.6	1.4	0.3	1.5	0.3	32.1	1.1	9.1	382.7	10.0	1313.5	0.6	
SMDH 00097	11.7	71.1	144.4	15.7	55.6513	7.95323	1.26605	5.5	0.3	2.3	0.3	1.0	0.3	1.0	0.3	26.9	1.7	22.2	955.6	20.0	1396.4		
SMDH 00097	11.0	90.5	188.0	21.0	75.3611	11.0654	1.38114	6.2	0.6	2.6	0.3	0.9	0.3	0.9	0.3	37.9	1.1	6.4	272.5	10.0	732.5		1.5
SMDH 00097	15.8	83.3	171.0	19.8	67.2453	10.9501	1.49624	6.5	0.6	3.2	0.3	1.4	0.3	1.1	0.3	30.9	1.2	7.8	389.4	15.7	920.3		
SMDH 00097	15.8	80.8	163.8	18.6	67.2453	10.3738	1.03586	6.8	0.3	3.3	0.3	1.4	0.3	1.3	0.3	30.7	1.3	5.9	316.4	15.7	1081.8	0.6	
SMDH 00097	23.1	72.1	149.9	17.8	62.6077	11.5264	1.26605	7.7	0.8	4.6	0.8	2.2	0.3	1.7	0.3	27.7	2.1	6.6	341.3	20.0	933.4		1.6
SMDH 00098	20.3	112.3	202.6	24.1	83.4769	13.6012	1.72643	8.9	0.9	4.8	0.7	1.8	0.3	1.6	0.3	30.4	2.1	7.5	401.7	40.1	634.0		
SMDH 00098	10.1	55.8	103.7	11.9	44.0573	6.4548	1.15095	4.9	0.3	2.3	0.3	0.9	0.3	0.6	0.3	18.4	1.2	4.5	238.1	22.9	669.0		
SMDH 00098	10.4	42.8	89.4	10.3	38.2603	6.91585	1.26605	4.7	0.3	2.3	0.3	1.3	0.3	0.9	0.3	16.7	1.2	7.1	356.9	18.6	767.8	1.2	1.6
SMDH 00098	18.6	46.1	95.9	11.3	40.5791	7.37691	1.61133	5.0	0.6	3.6	0.7	1.8	0.3	1.4	0.3	15.4	0.9	4.1	208.8	18.6	750.3		
SMDH 00098	45.2	61.0	130.9	15.3	54.4919	10.7196	2.07171	7.8	1.1	7.4	1.5	4.6	0.7	4.4	0.8	21.0	1.5	5.8	297.7	24.3	916.1		
SMDH 00098	20.8	39.1	109.1	9.1	23.188	5.64795	1.15095	4.2	0.6	3.4	0.8	1.9	0.3	2.5	0.6	14.4	1.2	6.1	245.4	14.3	683.5		1.6
SMDH 00098	23.3	51.5	107.9	12.2	42.8979	8.29903	1.72643	6.4	0.8	4.6	0.8	1.9	0.3	1.6	0.3	18.2	1.4	5.7	219.2	24.3	756.6	0.4	
SMDH 00098	39.8	37.5	78.6	9.4	33.6226	7.26165	1.61133	6.0	1.1	6.4	1.4	3.2	0.3	3.3	0.3	10.3	1.4	6.6	267.1	24.3	1060.7		
SMDH 00099	34.2	127.1	252.1	30.1	104.346	17.6354	1.72643	11.5	1.4	7.0	1.1	2.5	0.3	2.3	0.3	45.5	3.1	13.0	552.6	34.3	866.9		0.9
SMDH 00099	27.8	119.8	240.2	28.6	95.0709	16.5981	1.61133	11.3	1.3	6.8	1.1	2.2	0.3	1.7	0.3	45.5	2.8	13.0	509.5	28.6	871.5		
SMDH 00099	25.2	87.9	185.6	22.0	75.3611	14.2928	1.61133	9.2	1.2	6.0	0.9	1.9	0.3	1.7	0.3	36.9	2.6	11.1	459.5	30.0	993.7	1.1	
SMDH 00099	12.0	58.8	120.4	13.9	47.5355	8.52955	1.72643	5.5	0.6	2.9	0.3	1.0	0.3	0.6	0.3	22.7	1.3	6.6	300.8	22.9	747.0		1.5
SMDH 00099	21.5	61.0	129.4	14.9	52.1731	9.91272	2.07171	6.2	0.8	4.5	0.8	1.8	0.3	1.6	0.3	24.4	1.5	7.7	342.4	21.5	819.0		
SMDH 00100	29.9	93.2	195.3	21.9	78.8393	13.8317	1.26605	9.2	1.1	6.4	1.1	2.5	0.3	2.3	0.3	38.5	3.5	10.4	439.7	18.6	730.2		
SMDH 00100	35.1	69.2	146.8	16.3	57.9701	10.6043	1.15095	7.2	1.1	5.8	1.1	3.2	0.3	3.1	0.3	27.7	2.8	9.9	409.3	20.0	639.3	1.4	1.4
SMDH 00100	25.1	64.4	115.3	14.9	45.2167	8.29903	1.26605	5.4	0.8	3.9	0.8	1.7	0.3	2.0	0.3	24.3	2.4	8.5	374.8	20.0	755.7		
SMDH 00100	36.5	46.1	88.1	10.4	32.4632	6.4548	1.15095	4.7	0.7	4.7	1.3	3.3	0.7	3.9	0.7	16.8	2.0	10.7	437.8	27.2	750.1		
SMDH 00100	25.5	63.0	124.5	15.0	46.3761	9.56693	1.72643	6.2	0.7	4.4	0.8	1.9	0.3	2.0	0.3	23.8	2.5	7.8	317.8	14.3	445.7		1.4
SMDH 00100	18.5	68.3	134.7	16.2	51.0137	9.22114	1.49624	6.4	0.8	3.8	0.6	1.4	0.3	0.9	0.3	26.5	2.8	9.0	379.2	20.0	1160.9	0.5	
SMDH 00100	17.7	57.5	114.2	13.6	41.7385	8.41429	1.61133	5.7	0.7	3.1	0.6	1.3	0.3	1.5	0.3	21.9	1.9	5.8	262.1	17.2	929.9		
SMDH 00100	18.6	53.4	118.7	13.7	42.8979	8.99061	1.15095	5.2	0.6	3.2	0.3	1.5	0.3	1.4	0.3	22.5	2.5	6.4	256.0	18.6	809.2		1.4
SMDH 00100	13.9	63.4	118.1	14.1	45.2167	8.52955	1.49624	5.3	0.6	2.6	0.3	0.9	0.3	0.9	0.3	21.5	1.9	5.4	229.1	18.6	897.2		
SMDH 00100	15.1	55.3	107.5	13.0	38.2603	7.95323	1.61133	5.0	0.6	2.7	0.3	1.1	0.3	1.1	0.3	20.0	2.1	5.9	255.4	18.6	825.7	0.4	
SMDH 00100	9.9	52.4	100.5	12.0	34.782	6.80059	1.15095	4.7	0.3	1.9	0.3	0.6	0.3	0.3	0.3	18.9	1.3	4.5	203.4	17.2	715.5		1.5
SMDH 00100	11.2	85.2	164.0	17.3	70.7235	9.91272	1.61133	7.1	0.8	3.1	0.3	0.9	0.3	0.7	0.3	30.2	2.0	10.5	401.6	28.6	1305.5		
SMDH 00100	10.1	83.6	163.1	17.7	71.8829	9.56693	0.69057	6.1	0.6	2.6	0.3	0.9	0.3	0.8	0.3	31.0	2.5	26.7	1058.4	52.9	3269.6		
SMDH 00100	12.4	46.1	86.3	9.2	37.1009	5.30216	1.38114	4.0	0.3	2.4	0.3	1.3	0.3	1.5	0.3	15.3	1.8	11.4	474.1	27.2	1053.7	0.5	1.5
SMDH 00101	48.0	99.8	221.6	23.1	79.9987	14.0622	1.61133	9.6	1.3	7.8	1.6	4.2	0.7	4.4	0.7	38.7	3.2	15.9	683.9	18.6	1055.8		
SMDH 00101	41.1	66.8	145.1	15.4	53.3325	9.6822	1.61133	6.9	0.9	6.5	1.4	3.5	0.6	3.9	0.6	25.0	2.2	8.0	332.4	24.3	1221.9		
SMDH 00101	37.0	77.1	164.4	17.9	62.6077	10.6043	1.38114	7.1	1.1	6.1	1.1	3.0	0.3	3.1	0.3	29.9	2.1	9.1	375.1	21.5	987.2	36.3	1.6
SMDH 00101	11.4	95.5	211.8	22.3	77.6799	13.1401	1.26605	7.4	0.7	2.9	0.3	0.8	0.3	0.7	0.3	44.5	1.4	6.4	255.3	10.0	363.5		
SMDH 00101	12.5	133.8	296.1	30.9	106.665	17.7507	1.61133	9.4	0.9	3.3	0.3	0.9	0.3	0.6	0.3	62.2	1.7	9.4	384.8	11.4	609.4		
SMDH 00101	14.3	108.9	245.6	25.0	85.7957	13.947	1.61133	8.2	0.8	3.4	0.3	1.1	0.3	0.9	0.3	47.9	1.9	18.5	776.2	20.0	1141.8		1.5
SMDH 00101	4.1	27.7	57.5	6.2	22.0286	3.80372	1.61133	1.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	10.2	0.8	9.1	398.5	20.0	639.6		
SMDH 00101	6.8	49.3	103.1	11.3	40.5791	6.22427	1.84152	3.3	0.3	1.7	0.3	0.6	0.3	0.3	0.3	20.1	0.7	6.5	277.5	17.2	759.6		
SMDH 00102	26.5	47.7	101.7	11.3	38.2603	7.03112	0.92076	4.7	0.7	4.4	0.9	2.6	0.3	2.8	0.3	18.7	1.7	10.3	457.1	12.9	626.7		1.4
SMDH 00102	29.0	46.6	96.6	10.9	38.2603	6.91585	1.26605	4.8	0.7	4.9	1.0	2.9	0.3	3.1	0.3	17.5	1.7	7.3	317.6	17.2	1058.9		
SMDH 00102	26.1	39.7	85.6	9.2	32.4632	5.99374	1.26605	4.0	0.6	4.4	0.9	2.5	0.3	2.6	0.3	14.3	1.1	4.7	205.1	17.2	943.9	2.0	
SMDH 00102	39.2	68.2	145.7	16.2	60.2889	10.6043	2.18681	7.3	1.1	6.8	1.4	3.8	0.6	4.1	0.6	24.4	1.7	7.2	309.6	28.6	1440.1		
SMDH 00102	31.3	71.3	154.9	17.7	62.6077	10.9501	1.72643	7.0	0.9	6.0	1.1	3.1	0.3	3.1	0.3	27.6	1.9	9.2	393.8	17.2	839.1		
SMDH 00102	24.8	55.9	121.0	13.5	47.5355	8.52955	1.61133	5.5	0.7	4.5	0.8	2.4	0.3	2.5	0.3	20.8	1.5	7.2	305.4	22.9	943.9	2.2	1.6
SMDH 00102	31.1	67.1	150.2	16.6	56.8107	10.2585	1.95662	6.8	0.9	5.4	1.0	2.7	0.3	3.0	0.3	25.1	1.9	8.0	335.7	30.0	1377.0		
SMDH 00102	53.0	149.6	328.3	37.7	125.215	22.7071	2.07171	13.9	1.8	10.1	1.7	4.8	0.7	4.5	0.8	60.3	4.4	22.5	942.2	25.7	1164.2		
SMDH 00102	33.8	153.1	333.3	38.6	128.694	22.3613	1.49624	13.1	1.6	7.8	1.3	2.6	0.3	2.0	0.3	64.4	3.5	6.3	256.8	8.6	320.7		1.6
SMDH 00102	27.4	97.0	208.3	23.8	79.9987	14.1775	1.61133	8.2	1.1	5.4	0.9	2.4	0.3	2.4	0.3	38.6	2.2	6.0	242.2	12.9	604.5	0.9	
SMDH 00102	10.6	75.8	150.5	17.2	56.8107	9.10587	1.84152	5.2	0.3	2.5	0.3	0.9	0.3	0.7	0.3	24.9	1.2	4.8	195.9	15.7	499.4		
SMDH 00102	10.6	85.0	177.3	20.2	68.4047	11.0654	1.95662	6.3	0.7	2.6	0.3	0.8	0.3	0.3	0.3	33.4	1.3	3.3	130.4	14.3	373.3		1.7

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00102	11.7	85.2	176.9	20.1	69.5641	10.9501	1.84152	6.1	0.6	2.7	0.3	1.0	0.3	0.8	0.3	33.4	1.3	2.9	115.1	14.3	378.4		
SMDH 00103	21.4	65.4	126.3	16.6	56.8107	9.6822	0.69057	6.8	0.7	3.8	0.7	1.8	0.3	2.0	0.3	26.5	2.0	12.4	571.0	25.7	1374.2	1.3	
SMDH 00103	20.7	58.2	118.3	14.9	49.8543	8.52955	1.03586	7.9	0.8	3.8	0.6	1.8	0.3	1.9	0.3	23.1	2.1	8.3	357.4	27.2	627.7		
SMDH 00103	28.0	111.7	222.0	27.4	95.0709	14.5233	1.15095	10.5	1.1	4.6	0.8	2.5	0.3	2.7	0.3	42.5	2.7	15.8	708.4	21.5	956.8		1.3
SMDH 00103	28.1	50.8	97.8	12.7	42.8979	7.26165	1.15095	6.8	0.8	4.5	0.9	2.4	0.3	2.7	0.3	19.0	1.2	8.3	377.3	18.6	609.7		
SMDH 00103	18.9	48.0	92.1	11.5	40.5791	7.26165	1.03586	5.3	0.6	3.2	0.3	1.7	0.3	2.3	0.3	17.0	1.7	8.6	383.9	20.0	552.2	1.5	
SMDH 00103	26.2	60.3	131.3	13.9	51.0137	7.83797	1.26605	5.2	0.6	4.2	0.8	2.2	0.3	2.5	0.3	22.5	1.3	8.6	374.4	15.7	562.0		1.6
SMDH 00103	26.4	64.7	131.2	14.4	51.0137	8.18376	1.49624	6.0	0.7	4.2	0.9	2.2	0.3	2.5	0.3	22.6	1.5	8.8	383.5	21.5	622.3		
SMDH 00103	35.1	68.4	140.5	15.9	57.9701	8.87535	1.49624	7.2	0.8	5.8	1.1	2.9	0.6	3.4	0.6	24.5	1.5	11.2	467.0	20.0	617.1	1.2	1.5
SMDH 00103	41.2	82.9	169.7	19.5	71.8829	10.7196	1.38114	8.1	0.9	7.1	1.5	3.4	0.7	4.0	0.7	30.0	1.4	10.5	447.2	17.2	548.2		
SMDH 00103	50.3	76.2	143.8	16.6	56.8107	9.22114	1.72643	7.4	1.1	7.9	1.7	5.2	0.7	5.6	0.8	22.6	1.2	11.0	458.3	10.0	517.4		
SMDH 00103	37.9	111.4	284.0	26.8	89.2739	16.3675	1.61133	9.9	1.4	7.6	1.3	3.9	0.3	3.9	0.6	40.0	2.8	16.4	719.8	40.1	1625.8		1.5
SMDH 00103	26.2	66.7	136.3	15.6	53.3325	8.99061	1.38114	6.0	0.8	4.6	1.0	2.5	0.3	3.0	0.3	23.4	1.9	7.9	322.7	18.6	776.2	1.4	
SMDH 00103	37.0	25.7	57.7	7.3	28.985	7.7227	2.417	7.1	1.1	7.0	1.3	3.7	0.3	3.5	0.3	6.2	0.8	8.6	370.0	21.5	3307.6		
SMDH 00103	56.3	32.6	60.9	9.8	42.8979	10.8348	2.99248	10.5	1.6	10.0	2.1	5.6	0.7	5.1	0.8	4.8	0.8	7.8	324.3	27.2	5506.9		1.6
SMDH 00104	18.2	73.4	160.5	18.3	63.7671	10.028	0.28774	6.0	0.8	3.4	0.7	1.7	0.3	2.2	0.3	34.4	2.6	21.3	897.3	18.6	478.4		
SMDH 00104	34.0	84.4	169.5	19.7	71.8829	10.6043	1.38114	7.2	1.1	5.0	1.3	3.1	0.3	3.5	0.3	30.7	2.4	17.9	760.0	17.2	700.8		
SMDH 00104	25.6	32.8	57.7	6.8	26.6662	3.80372	1.15095	2.9	0.6	3.6	0.9	2.4	0.3	3.0	0.3	7.0	0.7	9.4	412.0	18.6	821.1	2.0	1.5
SMDH 00104	36.6	52.3	109.8	12.1	45.2167	5.76321	1.03586	5.2	1.1	5.7	1.4	3.3	0.6	3.8	0.6	18.5	0.9	11.1	476.0	24.3	741.9		
SMDH 00104	25.2	80.2	156.5	17.8	66.0859	8.76008	1.38114	5.7	0.8	4.2	1.0	2.6	0.3	2.7	0.3	27.7	2.0	8.7	368.4	22.9	621.6		
SMDH 00104	21.2	54.8	109.8	12.9	44.0573	7.95323	1.15095	5.8	0.7	3.9	0.8	2.1	0.3	2.2	0.3	21.3	1.3	9.3	418.9	22.9	520.4		1.6
SMDH 00104	20.7	48.4	95.2	11.3	38.2603	6.57006	1.26605	5.3	0.7	3.4	0.7	1.8	0.3	2.2	0.3	17.9	1.7	7.8	341.5	20.0	662.5	1.6	
SMDH 00104	15.5	45.1	91.8	11.2	38.2603	6.68533	1.15095	5.0	0.6	2.9	0.6	1.4	0.3	1.8	0.3	17.8	1.8	9.0	371.6	28.6	653.4		
SMDH 00104	21.2	53.2	107.9	12.9	45.2167	8.29903	1.26605	6.0	0.7	3.8	0.7	1.9	0.3	2.3	0.3	19.6	2.1	9.9	443.7	25.7	682.8		1.6
SMDH 00104	24.1	58.7	114.3	13.8	47.5355	7.7227	1.15095	5.6	0.7	4.2	0.8	2.1	0.3	2.4	0.3	21.6	1.7	9.6	412.3	20.0	664.3		
SMDH 00104	14.7	40.5	82.1	9.6	35.9414	6.22427	1.15095	4.0	0.3	2.6	0.3	1.4	0.3	1.3	0.3	14.2	1.2	8.5	360.9	20.0	601.5	1.4	
SMDH 00104	22.8	67.6	132.4	15.5	54.4919	8.0685	1.38114	5.3	0.7	3.7	0.8	2.1	0.3	2.3	0.3	23.5	1.9	8.3	366.6	20.0	662.5		1.6
SMDH 00104	20.7	60.2	119.4	14.2	48.6949	8.52955	1.26605	5.6	0.7	3.7	0.7	2.1	0.3	1.8	0.3	21.3	1.3	7.8	331.2	27.2	673.7		
SMDH 00104	28.8	61.9	120.9	15.0	49.8543	8.99061	1.38114	6.5	0.8	4.6	0.9	2.7	0.3	3.3	0.3	21.7	1.8	7.9	358.4	28.6	638.4		
SMDH 00104	27.6	74.2	142.5	17.8	60.2889	10.7196	1.38114	8.6	0.9	4.6	0.9	2.4	0.3	3.0	0.3	26.0	2.1	7.9	368.4	37.2	716.0	0.7	1.6
SMDH 00104	29.1	67.7	137.0	17.5	60.2889	9.79746	1.26605	8.7	0.9	4.8	0.8	2.4	0.3	2.7	0.3	26.2	2.2	9.2	416.9	27.2	568.3		
SMDH 00104	21.5	57.1	123.4	13.8	47.5355	7.7227	0.92076	6.5	0.7	3.7	0.7	1.9	0.3	2.2	0.3	22.8	1.7	12.4	538.4	27.2	1219.6		
SMDH 00104	18.5	62.9	127.9	16.1	54.4919	10.1433	1.26605	7.9	0.9	3.6	0.3	1.4	0.3	1.3	0.3	25.3	2.1	10.0	441.3	27.2	572.1		1.7
SMDH 00105	22.8	74.7	168.0	18.6	63.7671	11.9875	0.80567	7.1	0.9	4.7	0.8	2.1	0.3	2.0	0.3	37.9	2.4	16.0	673.9	20.0	648.4		
SMDH 00105	34.2	96.0	189.6	22.3	76.5205	13.1401	2.07171	8.1	1.1	6.0	1.1	2.9	0.3	3.1	0.3	33.6	1.5	10.4	420.6	12.9	651.5		
SMDH 00105	31.2	107.0	202.5	24.1	82.3175	12.6791	1.84152	7.3	0.9	5.5	1.0	2.7	0.3	3.0	0.3	35.7	1.2	8.0	323.4	18.6	703.8		1.5
SMDH 00105	22.4	104.5	209.6	24.5	83.4769	13.0249	1.61133	7.4	0.8	4.4	0.8	2.2	0.3	2.6	0.3	41.0	1.2	7.0	285.2	11.4	639.8		
SMDH 00105	16.3	81.3	167.6	19.5	64.9265	10.6043	1.15095	5.7	0.6	3.2	0.6	1.5	0.3	1.8	0.3	34.2	1.2	10.5	421.0	8.6	462.5		
SMDH 00105	14.1	65.9	133.9	15.7	52.1731	8.29903	1.49624	4.2	0.3	2.5	0.3	1.3	0.3	1.5	0.3	25.8	1.1	8.4	342.6	10.0	564.6	0.7	1.5
SMDH 00105	6.6	50.0	98.7	11.2	38.2603	5.76321	1.38114	3.2	0.3	1.4	0.3	0.6	0.3	0.7	0.3	21.1	0.8	6.7	286.0	8.6	452.0		
SMDH 00105	8.4	33.3	62.8	7.4	25.5068	3.91898	1.26605	2.4	0.3	1.4	0.3	0.7	0.3	0.7	0.3	11.6	0.7	5.5	234.9	7.2	398.5		
SMDH 00105	11.5	33.0	62.1	7.4	26.6662	4.61057	1.49624	2.6	0.3	1.6	0.3	0.8	0.3	0.9	0.3	11.0	0.9	7.1	309.7	10.0	604.5		1.6
SMDH 00105	9.0	49.9	97.6	11.3	39.4197	6.109	1.26605	3.6	0.3	1.7	0.3	0.8	0.3	0.7	0.3	18.7	0.7	5.4	236.0	11.4	438.7	0.9	
SMDH 00105	10.1	35.2	71.3	8.4	28.985	5.18689	1.26605	3.3	0.3	1.9	0.3	0.8	0.3	0.8	0.3	14.6	1.1	7.3	318.2	10.0	476.1		
SMDH 00105	19.6	81.8	170.3	19.8	69.5641	12.218	1.26605	7.1	0.8	4.0	0.7	1.7	0.3	1.8	0.3	37.9	1.8	9.1	383.8	12.9	829.2		1.5
SMDH 00105	30.9	75.9	164.4	19.7	69.5641	12.5638	0.92076	8.8	1.1	5.5	1.0	2.5	0.3	3.0	0.3	37.9	1.8	8.8	379.3	18.6	560.1		
SMDH 00105	30.0	54.8	114.1	13.7	49.8543	9.6822	1.26605	6.3	0.9	5.3	1.0	2.6	0.3	3.0	0.3	26.3	1.5	5.1	213.0	18.6	438.7		
SMDH 00105	31.6	65.4	137.0	16.5	56.8107	10.7196	1.38114	7.9	0.9	5.6	1.0	2.5	0.3	2.5	0.3	31.0	1.8	7.2	336.8	18.6	702.6		1.6
SMDH 00105	12.4	42.1	87.1	10.7	34.782	5.99374	1.03586	5.3	0.6	2.6	0.3	1.0	0.3	1.1	0.3	20.2	1.3	5.5	244.8	12.9	740.7		
SMDH 00105	46.0	98.4	209.3	25.6	90.4333	18.327	1.38114	13.2	1.5	8.7	1.6	3.9	0.7	4.1	0.6	51.4	2.8	9.9	420.8	21.5	1101.4	0.9	
SMDH 00105	36.0	97.9	206.1	24.9	85.7957	15.7912	1.49624	10.9	1.3	7.2	1.3	3.1	0.3	3.2	0.6	45.8	1.9	7.9	339.7	12.9	990.7		
SMDH 00105	39.5	104.2	218.7	25.6	93.9115	15.4454	1.15095	9.4	1.5	7.0	1.7	4.0	0.7	4.7	0.8	49.5	2.1	9.0	354.9	12.9	762.2		1.7
SMDH 00105	27.4	98.5	211.2	24.7	84.6363	15.6759	1.49624	9.7	1.2	5.3	0.9	2.4	0.3	2.3	0.3	45.4	1.7	10.4	437.3	18.6	692.8	0.4	
SMDH 00105	4.4	20.7	42.4	4.8	17.391	2.30528	1.03586	1.5	0.3	0.9	0.3	0.3	0.3	0.6	0.3	7.2	0.9	11.3	497.8	11.4	450.1		
SMDH 00105	5.4	30.8	62.6	7.3	26.6662	3.57319	1.15095	2.2	0.3	0.9	0.3	0.3	0.3	0.3	0.3	11.2	0.9	9.3	390.5	10.0	473.3	0.8	
SMDH 00105	5.3	50.1	100.6	11.3	40.5791	5.64795	1.38114	2.9	0.3	1.5	0.3	0.3	0.3	0.3	0.3	18.4	0.8	8.0	329.6	18.6	575.6		1.6
SMDH 00105	25.6	137.6	285.2	32.9	107.824	19.5949	1.72643	11.1	1.2	5.6	0.9	2.3	0.3	2.3	0.3	60.0	2.2	10.8	485.5	18.6	994.9		1.6
SMDH 00106	26.1	110.3	242.0	28.8	103.187	17.866	0.69057	12.0	1.4	5.7	1.0	2.5	0.3	2.5	0.3	58.5	4.4	26.9	1319.7	10.0	345.7	1.0	
SMDH 00106	32.3	117.3	243.9	29.1	102.027	16.5981	1.95662	12.6	1.5	6.9	1.3	3.3	0.3	3.1	0.3	49.7	2.7	12.6	628.1	14.3	647.3		1.4
SMDH 00106	28.4	108.1	246.7	27.7	96.2303	15.2149	1.72643	10.8	1.3	5.7	1.0	3.0	0.3	3.3	0.3	49.6	2.4	13.9	676.3	14.3	826.2		
SMDH 00106	7.9	38.4	79.3	9.1	31.3038	4.61057	1.84152	3.3	0.3	1.6	0.3	0.7	0.3	0.7	0.3	13.6	0.3	5.1	260.4	17.2	666.0		
SMDH 00106	5.6	30.2	61.8	6.8	23.188	3.45793	1.84152	2.4	0.3	1.3	0.3	0.6	0.3	0.6	0.3	10.3	0.3	7.0	336.3	10.0	713.2	0.6	1.8
SMDH 00106	3.8	28.8	59.4	6.8	22.0286	3.34266	1.84152	2.1	0.3	0.8	0.3	0.3	0.3	0.3	0.3	9.9	0.6	8.3	415.5	12.9	967.8		
SMDH 00106	3.7	39.9	82.4	9.0	30.1444	4.61057	1.84152	2.5	0.3	1.0	0.3	0.3	0.3	0.3	0.3	13.2	0.3	6.4	320.3	11.4	722.7		
SMDH 00106	17.9	131.3	274.4	30.6	107.824	16.0217	2.18681	9.4	1.1	4.0	0.7	1.7	0.3	2.0	0.3	50.3	1.4	11.0	546.0	14.3	1052.6		1.5
SMDH 00106	26.5	156.3	325.8	36.1	122.897	21.3239	2.07171	12.7	1.3	5.6	0.9	3.1	0.3	2.6	0.3	62.7	1.9	9.3	421.4	17.2	1189.4	0.7	
SMDH 00106	38.4	126.5	270.4	31.5	103.187	18.327	2.07171	12.3	1.4	7.7	1.5	5.1	0.7	4.9	0.8	57.3	2.4	12.1	523.6	24.3	1028.7		1.7
SMDH 00106	29.4	108.2	230.8	26.7	90.4333	16.5981	1.49624	10.2	1.2	6.0	1.1	3.5	0.3	3.4	0.3	50.9	2.0	10.1	445.0	15.7	822.9		
SMDH 00106	43.9	129.0	274.1	32.7	111.303	20.2865	1.72643	13.2	1.6	8.0	1.6	5.5	0.8	5.6	0.8	60.1	2.2	10.0	437.8	18.6	1073.6	0.8	
SMDH 00106	25.2	94.2	194.4	23.4	79.9987	14.2928	1.72643	9.6	1.1	5.2	0.8	2.2	0.3	2.3	0.3	39.4	1.9	13.2	570.4	15.7	734.4		1.6
SMDH 00106	26.0	78.7	163.7	19.8	69.5641	12.7943	1.72643	9.1	1.1	4.7	0.9	2.2	0.3	2.2	0.3	34.9	1.8	10.8	502.1	15.7	639.3		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00106	33.2	146.9	301.2	35.7	120.578	20.6323	1.95662	13.9	1.5	6.6	1.1	2.9	0.3	3.3	0.3	61.2	1.9	10.0	445.5	20.0	747.0		
SMDH 00106	36.2	112.5	238.4	28.8	98.5491	17.866	1.61133	12.1	1.3	7.0	1.3	3.1	0.3	3.2	0.3	49.2	2.1	11.3	487.1	20.0	753.3	0.8	1.7
SMDH 00107	26.2	95.0	254.7	24.0	84.6363	14.9844	0.92076	9.2	1.2	5.4	0.9	2.4	0.3	2.5	0.3	41.8	2.7	19.3	791.8	20.0	591.7		
SMDH 00107	30.3	73.6	190.8	19.5	69.5641	12.6791	0.80567	8.1	1.1	5.6	1.0	2.7	0.3	2.8	0.3	42.7	2.5	16.2	632.3	17.2	790.0		
SMDH 00107	14.6	58.5	121.0	14.8	52.1731	8.99061	1.49624	5.7	0.7	3.4	0.6	1.3	0.3	1.0	0.3	22.1	0.9	7.4	295.4	5.7	396.9		1.6
SMDH 00107	13.7	72.7	155.4	18.3	64.9265	11.1806	1.61133	7.0	0.8	3.6	0.3	1.0	0.3	0.7	0.3	30.8	1.3	9.6	383.4	11.4	536.1		
SMDH 00107	8.7	46.5	98.7	11.2	39.4197	6.68533	1.72643	4.0	0.3	2.1	0.3	0.7	0.3	0.7	0.3	17.6	0.8	6.4	256.9	15.7	633.5		
SMDH 00107	16.6	102.8	224.5	26.7	95.0709	16.7133	1.61133	10.7	1.1	4.4	0.7	1.3	0.3	0.9	0.3	45.2	2.2	8.4	325.0	17.2	894.4		1.6
SMDH 00107	44.2	95.6	202.1	24.5	84.6363	15.2149	1.61133	10.0	1.4	8.1	1.5	3.9	0.7	3.6	0.6	40.2	2.8	13.8	552.5	22.9	824.8		
SMDH 00107	43.6	113.1	235.0	27.6	93.9115	18.2117	1.49624	11.1	1.4	9.2	1.4	3.8	0.6	3.8	0.3	49.3	2.8	1.1	485.6	18.6	887.6	0.4	
SMDH 00107	38.0	130.3	262.2	31.7	105.506	20.056	1.72643	12.3	1.5	7.8	1.4	3.1	0.3	3.1	0.3	54.9	3.2	12.1	507.9	20.0	1116.8		1.5
SMDH 00107	36.5	81.4	170.6	19.8	66.0859	12.4485	1.61133	8.2	1.2	7.1	1.4	3.2	0.3	3.3	0.3	35.5	2.2	7.5	327.2	20.0	834.1		
SMDH 00107	34.9	94.6	200.1	23.2	78.8393	14.8691	1.49624	9.7	1.3	7.0	1.3	2.9	0.3	3.1	0.3	42.8	2.5	9.4	416.0	15.7	857.7		
SMDH 00107	32.7	133.9	284.8	33.7	113.621	21.5544	1.72643	13.3	1.6	8.0	1.3	2.6	0.3	2.2	0.3	62.3	2.8	9.3	383.6	18.6	676.0	0.3	1.5
SMDH 00107	13.7	67.0	139.7	16.6	54.4919	9.91272	1.61133	6.0	0.7	3.1	0.3	1.1	0.3	0.9	0.3	30.5	0.9	5.5	230.9	11.4	545.0		
SMDH 00107	30.9	66.4	139.1	16.1	52.1731	10.2585	1.72643	6.6	0.9	5.4	1.0	2.6	0.3	2.7	0.3	30.1	1.4	7.8	338.2	14.3	534.9		
SMDH 00107	38.4	73.6	156.5	18.4	61.4483	12.5638	1.61133	8.0	1.2	7.0	1.3	3.2	0.3	3.1	0.3	36.0	2.0	8.0	328.4	22.9	588.6		1.7
SMDH 00107	42.3	85.0	182.7	21.3	74.2017	14.6386	1.49624	10.0	1.3	7.4	1.4	3.2	0.6	3.5	0.6	43.3	2.1	9.1	378.4	17.2	689.3	0.3	
SMDH 00107	21.0	83.5	179.9	20.9	71.8829	13.4859	1.49624	8.1	0.9	4.6	0.8	1.8	0.3	1.8	0.3	41.6	1.8	8.7	362.1	12.9	654.3		
SMDH 00107	31.4	99.2	213.0	24.3	84.6363	16.3675	1.61133	10.1	1.2	6.5	1.1	2.5	0.3	2.4	0.3	49.4	2.6	9.6	387.7	12.9	584.4		1.7
SMDH 00108	30.9	133.9	308.7	35.2	119.418	22.3613	0.69057	13.2	1.5	7.0	1.1	2.5	0.3	2.3	0.3	67.2	4.0	19.9	847.5	5.7	401.1	0.5	
SMDH 00108	23.4	81.5	186.7	21.5	70.7235	13.8317	1.03586	7.9	0.9	5.0	0.9	2.6	0.3	2.2	0.3	42.7	2.1	15.9	650.0	15.7	767.3		
SMDH 00108	30.3	103.7	221.8	25.6	86.9551	16.4828	1.95662	10.0	1.2	6.2	1.1	2.7	0.3	2.8	0.3	43.2	1.7	9.1	374.3	17.2	931.8		1.5
SMDH 00108	25.3	92.6	204.4	23.3	79.9987	15.6759	1.49624	9.5	1.1	5.3	0.9	2.4	0.3	2.5	0.3	46.2	1.5	8.0	344.9	12.9	910.8		
SMDH 00108	21.8	74.0	157.4	18.0	61.4483	10.9501	1.38114	7.2	0.7	4.0	0.8	2.1	0.3	2.2	0.3	35.0	1.2	6.8	278.9	15.7	777.2	1.0	
SMDH 00108	20.9	75.5	164.3	18.6	63.7671	11.6417	1.15095	7.4	0.9	4.2	0.8	1.9	0.3	1.9	0.3	36.1	1.3	8.3	363.1	10.0	676.5		1.5
SMDH 00108	15.8	77.8	166.3	18.9	68.4047	11.6417	1.61133	7.1	0.7	3.6	0.6	1.4	0.3	1.4	0.3	37.5	1.1	6.8	299.3	10.0	691.2		
SMDH 00108	36.5	106.5	233.0	26.3	91.5927	16.7133	1.61133	10.5	1.3	6.6	1.3	3.7	0.6	4.3	0.6	52.6	1.8	11.2	452.5	14.3	984.8		
SMDH 00108	29.0	83.0	181.6	20.8	71.8829	14.1775	1.49624	9.1	1.1	5.6	1.0	2.5	0.3	2.6	0.3	38.4	1.4	9.2	397.0	20.0	1071.0	0.6	1.5
SMDH 00108	17.7	19.6	40.9	5.0	17.391	3.80372	1.15095	3.2	0.3	3.2	0.7	1.6	0.3	1.5	0.3	6.7	0.7	3.8	157.6	11.4	617.1		
SMDH 00108	7.2	23.7	48.3	5.6	19.7098	3.34266	1.61133	2.2	0.3	1.5	0.3	0.6	0.3	0.6	0.3	8.7	0.3	4.2	191.4	12.9	857.3		
SMDH 00108	9.5	43.2	87.8	11.0	38.2603	6.68533	1.61133	4.2	0.3	2.2	0.3	0.8	0.3	0.7	0.3	18.1	0.7	8.8	385.8	11.4	573.0		1.4
SMDH 00108	26.9	103.9	212.1	27.3	95.0709	17.4049	2.18681	11.6	1.3	6.3	1.0	2.2	0.3	1.7	0.3	45.3	1.2	8.6	367.1	20.0	911.7	0.6	
SMDH 00108	14.2	97.2	197.9	25.1	85.7957	14.408	2.417	8.7	0.8	3.7	0.3	1.0	0.3	0.6	0.3	42.9	0.8	3.7	151.6	5.7	289.2		
SMDH 00108	7.6	57.5	114.8	14.2	48.6949	7.7227	1.84152	4.8	0.3	1.9	0.3	0.7	0.3	0.3	0.3	23.4	0.6	4.1	190.2	8.6	148.6		
SMDH 00108	18.4	91.0	185.7	23.4	79.9987	13.0249	1.72643	8.1	0.8	3.8	0.7	1.8	0.3	1.8	0.3	41.9	0.8	8.4	357.3	8.6	601.7	0.4	
SMDH 00108	19.1	125.8	255.8	32.5	113.621	18.5575	2.07171	11.5	1.2	4.8	0.7	1.6	0.3	1.1	0.3	57.3	1.1	9.8	400.0	14.3	758.0		1.7
SMDH 00108	22.4	78.7	156.3	20.1	69.5641	12.218	1.84152	7.7	0.8	4.4	0.8	1.9	0.3	1.9	0.3	33.5	0.9	8.3	366.7	17.2	739.8		
SMDH 00108	13.6	68.2	145.6	16.3	57.9701	9.6822	1.49624	6.2	0.7	2.9	0.3	1.1	0.3	0.8	0.3	28.4	0.9	9.3	395.6	14.3	566.2		
SMDH 00108	22.8	85.5	184.3	21.7	77.6799	13.6012	1.84152	8.0	0.9	4.7	0.8	1.9	0.3	1.9	0.3	37.2	1.2	11.7	467.1	14.3	908.4		1.5
SMDH 00109	30.2	92.5	197.9	22.8	76.5205	12.7943	0.69057	7.6	1.1	5.4	1.0	2.6	0.3	2.8	0.3	39.0	2.5	25.8	1092.4	10.0	519.7		1.4
SMDH 00109	28.4	71.8	179.4	17.8	60.2889	10.2585	1.95662	6.4	0.8	5.2	1.0	2.6	0.3	2.8	0.3	19.0	0.8	8.1	358.6	8.6	976.9		
SMDH 00109	30.4	114.0	215.4	26.8	91.5927	13.4859	1.84152	8.2	0.9	5.3	1.0	2.7	0.3	3.0	0.3	34.6	0.9	12.7	526.8	11.4	931.6		
SMDH 00109	6.5	26.0	52.3	5.6	18.5504	2.88161	1.49624	1.8	0.3	1.0	0.3	0.3	0.3	0.7	0.3	8.4	0.3	7.9	347.3	11.4	868.0		1.6
SMDH 00109	8.2	28.6	55.0	6.2	20.8692	3.34266	1.38114	1.9	0.3	1.3	0.3	0.7	0.3	0.8	0.3	7.4	0.7	8.6	375.1	12.9	1032.9	0.3	
SMDH 00109	8.6	10.6	19.2	2.2	6.95641	1.38317	1.03586	1.3	0.3	1.3	0.3	0.7	0.3	0.8	0.3	2.0	0.9	9.8	438.1	18.6	1261.6		
SMDH 00109	8.7	18.6	35.6	4.0	13.9128	2.42055	1.26605	1.6	0.3	1.4	0.3	0.8	0.3	0.9	0.3	5.2	0.7	9.6	425.6	12.9	949.1		1.7
SMDH 00109	13.4	23.2	46.6	5.2	17.391	3.11213	1.49624	2.3	0.3	2.1	0.3	1.1	0.3	1.3	0.3	7.5	0.7	7.3	327.0	11.4	756.4		
SMDH 00109	17.2	25.5	52.1	5.8	20.8692	3.68846	1.49624	2.7	0.3	2.7	0.3	1.4	0.3	1.4	0.3	7.8	0.7	3.9	174.0	8.6	731.4	0.2	
SMDH 00109	29.3	73.2	152.6	17.5	59.1295	9.45167	1.15095	5.7	0.7	4.9	1.1	3.0	0.3	3.4	0.3	28.3	1.2	11.6	482.8	10.0	792.8		1.5
SMDH 00109	39.8	105.9	224.4	25.5	85.7957	13.2554	1.38114	8.1	1.1	6.5	1.4	3.9	0.7	4.3	0.7	40.8	1.4	8.8	377.5	15.7	1180.8		
SMDH 00109	22.8	54.6	116.9	13.2	45.2167	7.83797	1.38114	4.7	0.7	4.0	0.8	2.1	0.3	2.3	0.3	20.9	0.8	6.0	251.0	12.9	900.0		
SMDH 00109	7.9	26.2	54.3	6.2	22.0286	3.68846	1.38114	2.1	0.3	1.4	0.3	0.7	0.3	0.8	0.3	8.2	0.6	8.3	355.3	10.0	779.0	0.2	1.7
SMDH 00109	9.3	92.3	193.1	21.7	71.8829	10.028	1.61133	5.3	0.3	2.1	0.3	0.7	0.3	0.6	0.3	34.4	0.9	7.9	330.4	8.6	957.7		
SMDH 00109	25.1	77.2	165.4	18.3	61.4483	8.99061	1.61133	5.3	0.7	4.2	0.9	2.4	0.3	2.8	0.3	28.4	0.9	13.2	528.2	11.4	1252.0		
SMDH 00109	26.9	53.2	115.3	13.2	45.2167	8.0685	1.72643	5.5	0.8	4.9	0.9	2.3	0.3	2.4	0.3	21.3	0.7	4.0	166.4	8.6	1327.0		1.8
SMDH 00110	42.5	156.6	312.4	37.8	140.288	21.0934	1.26605	11.7	1.4	7.4	1.5	3.2	0.7	3.5	0.6	69.3	2.8	27.1	1178.4	12.9	741.6	7.8	1.5
SMDH 00110	31.2	132.4	287.5	33.5	114.781	17.866	1.38114	10.2	1.2	6.2	1.1	2.3	0.3	2.5	0.3	64.7	2.0	15.0	683.1	22.9	935.3		
SMDH 00110	38.9	98.7	205.5	25.0	86.9551	13.7164	1.72643	7.7	0.9	5.8	1.4	3.2	0.7	3.4	0.3	45.8	1.4	13.9	622.6	17.2	815.2		
SMDH 00110	16.1	57.6	107.3	13.0	45.2167	7.37691	1.84152	3.6	0.3	2.7	0.6	1.3	0.3	1.5	0.3	16.6	0.3	5.8	263.0	21.5	624.6		1.6
SMDH 00110	24.3	57.6	121.6	14.1	48.6949	8.0685	1.38114	4.8	0.7	4.5	0.8	1.7	0.3	1.8	0.3	19.9	0.8	3.9	180.3	20.0	891.1	12.2	
SMDH 00110	31.7	59.0	125.1	15.1	52.1731	8.87535	1.38114	5.6	0.8	5.5	1.1	2.2	0.3	2.2	0.3	21.2	0.9	4.5	194.1	18.6	753.8		
SMDH 00110	13.6	24.8	49.3	5.8	19.7098	3.2274	1.38114	2.1	0.3	2.3	0.3	1.1	0.3	1.4	0.3	6.5	0.3	6.7	306.5	14.3	739.1		1.4
SMDH 00110	7.7	13.5	25.7	2.9	10.4346	1.49844	1.72643	1.0	0.3	1.1	0.3	0.6	0.3	0.8	0.3	2.5	0.3	2.8	139.8	11.4	479.1		
SMDH 00110	10.4	16.8	32.7	4.0	13.9128	2.42055	1.26605	1.9	0.3	1.8	0.3	0.8	0.3	1.0	0.3	3.2	0.3	1.7	74.8	14.3	909.1	7.4	
SMDH 00110	22.6	72.7	157.9	18.0	59.1295	9.22114	1.49624	5.3	0.7	4.0	0.8	1.7	0.3	2.0	0.3	28.6	1.3	9.7	418.1	14.3	1103.7		1.6
SMDH 00110	25.5	138.0	286.0	32.8	110.143	15.9065	1.49624	8.2	0.9	4.8	0.9	2.1	0.3	1.9	0.3	52.8	1.4	12.3	540.5	21.5	1002.3		
SMDH 00110	54.2	158.2	332.8	39.4	136.809	20.9781	1.84152	12.4	1.5	9.0	1.8	4.7	0.9	5.0	0.8	67.9	2.0	11.9	528.3	25.7	1058.2		
SMDH 00110	41.4	105.5	224.1	25.8	91.5927	14.6386	1.49624	8.4	1.1	6.9	1.4	3.4	0.7	3.6	0.6	44.6	1.4	10.5	463.2	17.2	883.0	5.7	1.4
SMDH 00110	51.5	113.1	236.3	28.2	96.2303	14.7538	1.61133	9.4	1.3	8.1	1.7	4.2	0.8	4.8	0.8	48.2	1.5	12.7	546.9	17.2	622.5		
SMDH 00110	34.1	121.4	260.1	30.5	106.665	17.1744	2.07171	9.7	1.2	6.9	1.3	2.9	0.3	3.2	0.3	53.1	1.7	9.9	419.8	20.0	849.1		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00110	47.8	125.2	263.7	31.3	107.824	16.7133	1.84152	9.9	1.3	7.7	1.7	4.3	0.8	5.0	0.9	54.7	1.5	12.9	561.1	20.0	765.2		1.7
SMDH 00110	19.5	91.0	190.7	22.9	79.9987	12.218	1.61133	6.8	0.7	3.7	0.7	1.6	0.3	1.7	0.3	36.0	0.9	11.8	519.0	12.9	738.8	4.2	
SMDH 00111	44.7	165.6	378.5	41.9	136.809	24.2055	1.26605	14.2	1.5	8.2	1.5	5.1	0.6	4.2	0.7	79.2	3.3	18.6	785.1	14.3	819.7		
SMDH 00111	37.8	131.5	268.3	32.2	112.462	15.6759	1.61133	11.1	1.3	7.0	1.3	3.7	0.6	4.3	0.7	55.2	1.9	12.6	528.8	18.6	1284.0		
SMDH 00111	27.6	147.8	303.2	35.7	119.418	17.4049	1.84152	12.3	1.3	5.7	1.0	2.6	0.3	2.5	0.3	60.6	2.0	10.5	455.9	14.3	1069.1	2.1	1.3
SMDH 00111	45.0	157.3	329.4	39.3	137.969	20.4018	1.72643	14.6	1.5	8.8	1.6	4.2	0.8	4.1	0.8	70.0	2.7	13.7	578.1	18.6	1318.4		
SMDH 00111	46.3	141.9	285.2	33.6	114.781	19.7102	1.84152	13.6	1.6	9.4	1.6	4.9	0.6	3.9	0.3	56.1	2.8	11.0	415.9	30.0	981.5		
SMDH 00111	52.6	118.8	274.0	29.9	100.868	19.2491	1.61133	11.7	1.5	9.4	1.7	5.5	0.7	4.4	0.6	57.8	3.2	11.1	479.9	25.7	970.3		
SMDH 00111	55.1	90.6	188.7	21.9	75.3611	13.4859	1.61133	9.6	1.4	9.3	1.8	6.2	0.7	5.2	0.7	37.9	2.6	9.7	385.4	28.6	801.2		1.6
SMDH 00111	59.9	105.9	221.4	25.9	88.1145	15.5607	1.72643	11.2	1.6	10.0	2.1	6.3	0.7	5.3	0.7	46.1	3.3	8.5	350.5	25.7	967.3		
SMDH 00111	49.2	109.3	234.8	26.2	89.2739	16.9438	1.49624	11.1	1.5	9.2	1.6	5.0	0.6	4.2	0.6	48.0	3.3	9.6	389.4	25.7	927.1		
SMDH 00111	50.9	101.7	210.0	24.6	83.4769	14.5233	1.61133	10.3	1.4	8.6	1.7	5.6	0.7	4.9	0.6	42.6	2.6	8.6	390.7	22.9	847.0		1.5
SMDH 00111	45.2	93.5	193.0	22.6	76.5205	13.8317	1.72643	9.9	1.3	7.6	1.6	5.2	0.6	4.8	0.6	38.8	2.1	8.8	353.1	25.7	818.5		
SMDH 00111	51.1	125.8	283.2	31.0	104.346	19.2491	1.61133	12.0	1.6	9.2	1.8	5.4	0.7	4.7	0.7	58.8	3.1	9.7	422.1	34.3	1175.2		1.5
SMDH 00111	76.3	146.7	311.0	35.7	121.737	21.2086	1.84152	13.9	1.9	12.1	2.7	9.6	1.4	10.6	1.6	62.8	2.6	15.0	580.0	25.7	1313.5	0.7	
SMDH 00112	43.5	115.4	260.2	29.2	93.9115	13.3707	1.03586	12.0	1.9	8.7	1.6	3.7	0.7	3.6	0.3	52.4	3.5	22.2	888.6	17.2	764.8		1.4
SMDH 00112	44.2	114.5	245.6	27.7	90.4333	15.4454	2.07171	11.8	1.8	8.0	1.7	3.5	0.6	3.2	0.3	46.8	2.8	14.6	580.4	24.3	998.4		
SMDH 00112	37.9	95.3	203.6	22.5	73.0423	11.8722	1.95662	9.9	1.6	7.0	1.5	3.3	0.6	3.5	0.3	38.2	2.4	10.5	417.0	20.0	823.2		1.3
SMDH 00112	33.7	86.4	191.2	20.9	66.0859	11.4112	1.84152	8.4	1.4	6.5	1.4	3.1	0.3	2.7	0.3	35.8	2.1	9.9	389.8	20.0	887.6	1.2	
SMDH 00112	34.6	110.1	237.9	27.3	96.2303	14.408	1.49624	10.5	1.4	7.4	1.1	3.0	0.3	2.4	0.3	47.6	2.8	10.8	480.9	24.3	1240.6		
SMDH 00112	56.0	95.8	201.3	24.5	85.7957	14.5233	1.84152	10.9	1.5	9.7	1.8	5.0	0.8	4.9	0.7	41.0	3.5	11.6	491.6	22.9	910.1		1.6
SMDH 00112	42.2	100.2	209.3	25.0	83.4769	14.1775	2.07171	10.3	1.3	7.9	1.4	3.7	0.6	3.4	0.6	41.5	2.6	11.3	473.6	24.3	966.1		
SMDH 00112	35.2	107.1	222.4	25.7	90.4333	14.2928	1.72643	10.8	1.3	6.8	1.3	3.0	0.3	2.6	0.3	43.0	2.2	10.3	452.9	37.2	1106.5	0.5	
SMDH 00112	46.6	98.2	205.5	24.4	86.9551	13.4859	1.72643	10.3	1.4	9.0	1.5	4.2	0.6	4.0	0.7	41.2	2.6	7.9	351.5	27.2	932.0		1.6
SMDH 00112	36.4	94.6	224.3	23.8	84.6363	12.9096	1.84152	9.3	1.2	7.3	1.3	3.0	0.3	2.5	0.3	44.1	2.6	11.6	486.3	22.9	1062.8		
SMDH 00113	29.7	68.9	142.0	16.7	55.6513	9.56693	1.03586	6.4	0.9	5.2	1.0	2.5	0.3	2.6	0.3	28.5	1.8	14.0	638.3	24.3	925.2		
SMDH 00113	30.3	48.2	97.4	11.6	39.4197	6.68533	0.92076	4.6	0.7	4.9	1.0	3.0	0.3	3.2	0.3	18.2	1.4	13.3	580.4	18.6	841.9	1.1	
SMDH 00113	22.3	25.0	48.9	5.9	18.5504	3.45793	1.03586	2.7	0.3	3.1	0.7	1.8	0.3	2.2	0.3	8.4	0.7	8.4	376.7	22.9	1083.2		1.4
SMDH 00113	19.4	28.5	57.1	7.1	22.0286	4.03425	1.38114	3.0	0.3	3.0	0.6	1.7	0.3	2.3	0.3	11.9	0.8	2.7	114.5	10.0	270.0		
SMDH 00113	5.7	19.6	37.6	4.1	13.9128	2.65108	1.49624	1.5	0.3	1.0	0.3	0.3	0.3	0.3	0.3	6.2	0.3	4.6	224.8	8.6	416.7	0.6	1.6
SMDH 00113	9.8	12.4	22.4	2.6	8.11581	1.26791	1.26605	1.1	0.3	1.1	0.3	0.9	0.3	1.1	0.3	3.3	0.3	9.1	390.8	21.5	709.6		
SMDH 00113	26.5	87.5	184.9	21.1	70.7235	12.1027	1.38114	8.1	1.1	5.6	0.9	2.2	0.3	1.8	0.3	35.3	2.5	9.0	403.5	18.6	804.5		
SMDH 00113	25.6	81.1	171.8	20.5	68.4047	12.6791	1.38114	7.3	0.9	5.2	0.9	2.2	0.3	1.9	0.3	33.2	2.0	8.8	366.7	17.2	801.7		1.4
SMDH 00114	18.6	64.5	124.9	15.3	49.8543	8.29903	1.61133	6.5	0.8	4.0	0.7	1.5	0.3	1.6	0.3	25.8	1.5	8.8	359.0	22.9	708.9		0.6
SMDH 00114	24.3	86.7	150.8	16.7	62.6077	9.10587	2.07171	6.8	0.9	4.9	0.8	2.5	0.3	1.7	0.3	25.6	1.2	7.7	332.2	28.6	1197.6		
SMDH 00114	10.6	26.6	49.6	6.0	20.8692	3.57319	1.84152	2.2	0.3	2.2	0.3	1.0	0.3	0.8	0.3	6.6	0.3	4.4	180.5	15.7	780.4		
SMDH 00114	4.7	11.7	17.3	2.2	8.11581	1.26791	1.49624	0.9	0.3	0.7	0.3	0.3	0.3	0.3	0.3	2.3	0.3	6.7	311.8	17.2	1095.5	0.7	1.5
SMDH 00114	12.3	22.5	35.3	4.3	15.0722	2.65108	1.84152	2.3	0.3	2.4	0.3	1.3	0.3	1.1	0.3	4.4	0.6	8.6	397.1	18.6	996.3		
SMDH 00114	13.7	110.2	222.5	25.8	95.0709	17.9812	1.95662	11.1	1.1	3.6	0.3	1.1	0.3	0.7	0.3	61.2	2.1	17.5	785.1	45.8	1643.3		
SMDH 00114	17.7	25.2	49.3	5.4	20.8692	4.26478	1.03586	4.0	0.6	3.6	0.6	1.6	0.3	1.6	0.3	4.2	1.2	6.7	313.1	25.7	1515.5		1.5
SMDH 00114	18.1	31.6	62.7	7.7	30.1444	6.4548	1.38114	5.6	0.7	3.7	0.3	1.5	0.3	1.0	0.3	7.0	0.9	6.4	267.9	34.3	1521.1	1.1	
SMDH 00114	25.7	103.7	205.5	25.7	97.3897	17.9812	1.95662	13.1	1.5	5.8	0.8	1.9	0.3	1.1	0.3	46.0	1.8	10.3	444.4	25.7	1155.1		
SMDH 00114	11.5	117.7	236.4	27.0	102.027	18.7881	1.61133	11.9	1.1	3.8	0.3	0.8	0.3	0.3	0.3	57.0	1.4	8.3	358.2	31.5	1719.9		1.6
SMDH 00115	12.3	18.9	35.2	3.8	11.594	2.42055	0.57548	1.7	0.3	1.9	0.3	1.5	0.3	1.4	0.3	14.5	3.8	3.9	138.9	5.7	140.4		0.9
SMDH 00115	29.9	99.9	204.5	23.1	78.8393	13.3707	1.38114	8.8	1.1	5.6	1.0	3.3	0.3	3.4	0.3	37.8	2.7	10.6	430.9	20.0	1006.3		
SMDH 00115	14.4	75.0	155.9	17.8	60.2889	10.6043	1.03586	6.2	0.6	3.4	0.3	1.6	0.3	1.1	0.3	28.6	2.0	8.3	325.8	11.4	774.4	0.6	
SMDH 00115	18.9	55.4	113.7	13.1	42.8979	7.83797	1.26605	5.0	0.6	3.6	0.8	2.2	0.3	2.4	0.3	20.6	1.3	5.4	214.6	10.0	536.8		1.5
SMDH 00115	16.2	61.8	127.5	14.4	48.6949	7.60744	1.61133	4.8	0.6	3.0	0.6	1.7	0.3	1.7	0.3	23.1	1.2	6.3	262.9	17.2	766.2		
SMDH 00115	18.1	66.4	135.5	15.0	51.0137	8.87535	1.38114	5.2	0.6	3.7	0.7	2.1	0.3	1.6	0.3	24.5	0.9	7.4	294.3	12.9	936.2		
SMDH 00115	22.7	71.2	143.4	16.5	55.6513	8.99061	1.49624	6.1	0.7	4.7	0.8	2.6	0.3	2.3	0.3	25.9	1.3	9.8	376.2	14.3	974.1	0.7	1.4
SMDH 00115	23.4	80.4	157.7	19.6	63.7671	10.489	1.38114	6.6	0.8	4.1	0.8	2.2	0.3	2.4	0.3	34.4	1.7	6.8	259.9	15.7	922.9		
SMDH 00115	18.2	66.4	146.9	13.6	54.4919	9.22114	1.26605	5.2	0.6	3.2	0.6	2.5	0.3	2.0	0.3	27.9	1.2	8.0	335.3	14.3	867.3		
SMDH 00115	10.8	61.2	120.5	15.0	49.8543	7.60744	1.03586	5.2	0.6	2.4	0.3	0.8	0.3	0.8	0.3	25.4	1.2	8.7	308.3	15.7	1003.5		1.3
SMDH 00115	13.2	61.8	122.1	14.5	47.5355	7.7227	1.26605	4.8	0.3	2.5	0.3	1.1	0.3	1.5	0.3	24.9	1.3	8.4	340.0	17.2	833.9	0.4	
SMDH 00115	33.5	78.3	154.5	18.9	62.6077	10.9501	1.03586	7.6	0.9	5.0	1.1	3.2	0.3	3.8	0.6	32.5	1.8	9.7	384.6	20.0	1181.5		
SMDH 00115	24.0	65.3	128.0	15.7	51.0137	8.52955	1.26605	6.1	0.8	4.1	0.8	1.9	0.3	2.2	0.3	26.2	1.4	8.6	325.7	17.2	897.9		1.3
SMDH 00115	28.3	59.7	118.2	14.2	48.6949	8.64482	1.26605	5.5	0.8	4.5	0.9	2.3	0.3	2.7	0.3	24.0	1.2	7.5	312.7	15.7	933.9		
SMDH 00115	29.0	60.4	119.2	14.5	48.6949	8.29903	1.38114	6.1	0.7	4.8	0.9	2.4	0.3	2.6	0.3	24.1	1.4	8.5	328.4	20.0	972.9	0.1	
SMDH 00116	22.7	116.9	217.0	26.1	86.9551	16.0217	1.26605	11.6	1.2	5.6	0.9	1.9	0.3	1.3	0.3	53.0	3.4	15.3	608.8	15.7	971.3		
SMDH 00116	14.3	65.1	136.5	15.4	53.3325	9.56693	1.15095	6.9	0.7	3.0	0.3	1.3	0.3	0.8	0.3	26.3	1.5	7.7	341.6	15.7	723.7		
SMDH 00116	19.5	69.2	149.7	17.1	56.8107	10.6043	1.84152	6.1	0.7	3.9	0.6	1.8	0.3	1.4	0.3	27.4	1.5	5.7	266.4	11.4	657.8		1.6
SMDH 00116	17.1	83.2	178.6	20.4	71.8829	10.8348	1.49624	7.6	0.9	4.0	0.7	1.7	0.3	1.3	0.3	33.8	2.6	10.0	423.1	21.5	869.4	1.4	
SMDH 00116	14.6	59.4	128.0	14.9	51.0137	8.18376	1.15095	5.4	0.6	3.1	0.3	1.5	0.3	1.0	0.3	25.7	1.5	5.4	221.7	14.3	789.3		
SMDH 00116	27.2	127.8	272.7	31.5	107.824	17.7507	1.61133	11.1	1.2	5.8	1.0	2.7	0.3	1.9	0.3	53.8	2.6	11.8	512.8	25.7	1685.6		
SMDH 00116	22.8	102.2	220.4	25.7	86.9551	14.2928	0.92076	9.6	1.1	5.4	0.8	2.3	0.3	1.5	0.3	48.2	3.4	8.7	342.7	18.6	1155.3	1.0	
SMDH 00116	14.4	43.2	90.9	10.1	35.9414	5.87848	0.57548	4.5	0.3	2.9	0.3	1.6	0.3	1.0	0.3	18.2	1.2	2.9	127.5	8.6	499.4		1.5
SMDH 00116	12.4	67.1	142.7	16.3	56.8107	9.22114	1.15095	6.1	0.6	3.1	0.3	1.1	0.3	0.8	0.3	29.4	1.4	5.2	220.9	11.4	635.1		
SMDH 00116	21.2	127.4	265.4	29.9	104.346	18.2117	1.84152	11.3	1.1	4.9	0.8	1.6	0.3	1.0	0.3	54.9	2.2	8.5	355.1	14.3	869.4		
SMDH 00116	24.5	142.8	298.6	34.5	117.1	20.2865	1.72643	13.6	1.4	5.7	0.9	1.8	0.3	1.1	0.3	61.2	2.7	10.6	455.4	17.2	999.1	0.7	1.4
SMDH 00116	15.7	103.3	213.5	24.1	83.4769	14.0622	1.49624	9.6	0.9	3.9	0.6	1.1	0.3	0.7	0.3	43.3	2.4	9.0	362.3	20.0	1084.8		
SMDH 00116	13.4	76.9	162.2	17.9	55.6513	9.3364	1.38114	6.5	0.8	3.2	0.6	1.0	0.3	0.7	0.3	29.5	1.9	7.8	304.5	22.9	817.1		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00116	10.3	95.3	194.0	20.5	70.7235	10.8348	1.61133	7.0	0.7	2.5	0.3	0.8	0.3	0.3	0.3	35.2	1.7	11.0	469.0	18.6	1117.7		
SMDH 00116	16.3	69.0	146.0	15.3	54.4919	8.76008	1.38114	6.5	0.8	3.2	0.7	1.4	0.3	1.4	0.3	26.2	2.6	11.7	431.0	18.6	924.5	1.0	
SMDH 00116	19.3	44.3	91.4	10.7	33.6226	6.33953	1.26605	4.6	0.6	3.4	0.7	1.8	0.3	1.6	0.3	15.4	1.1	6.6	302.6	17.2	816.9		1.5
SMDH 00116	30.3	84.4	167.9	19.1	63.7671	11.5264	1.61133	8.0	0.9	5.5	1.0	3.2	0.3	2.8	0.3	28.6	2.2	7.7	287.6	25.7	917.3	0.5	
SMDH 00116	53.7	88.7	185.3	20.9	68.4047	13.7164	1.38114	9.2	1.4	8.9	1.8	5.9	0.8	5.2	0.7	34.0	2.7	9.0	426.9	20.0	895.8		
SMDH 00117	23.7	82.9	161.3	18.3	66.0859	10.9501	0.92076	7.8	1.1	4.0	0.8	2.1	0.3	1.7	0.3	35.3	3.7	7.9	316.5	24.3	462.3		
SMDH 00117	25.0	70.0	141.2	15.7	57.9701	10.1433	1.61133	7.6	0.9	4.8	0.8	2.3	0.3	1.8	0.3	30.3	3.3	6.6	270.7	20.0	582.3	1.6	1.4
SMDH 00117	19.1	58.9	118.0	12.7	48.6949	7.95323	0.92076	6.3	0.8	3.3	0.3	1.5	0.3	1.0	0.3	25.3	4.0	8.3	334.5	27.2	666.2		
SMDH 00117	19.3	89.0	171.9	19.2	71.8829	11.5264	1.61133	8.1	0.9	3.9	0.6	1.7	0.3	1.6	0.3	36.2	4.6	6.4	247.3	18.6	740.9		
SMDH 00117	27.0	88.0	177.0	19.5	67.2453	12.4485	1.84152	8.5	1.1	4.8	0.9	2.3	0.3	2.3	0.3	38.5	3.7	5.8	254.6	21.5	888.1		1.4
SMDH 00117	23.4	92.6	194.5	21.7	69.5641	10.489	1.61133	8.7	1.1	4.6	0.8	1.8	0.3	1.5	0.3	40.7	3.3	7.3	305.4	20.0	842.8	0.8	
SMDH 00117	24.5	80.7	150.0	18.5	61.4483	10.3738	1.26605	8.8	0.9	5.3	1.0	2.6	0.3	1.8	0.3	34.9	2.8	17.8	669.7	32.9	1620.4		
SMDH 00117	25.1	68.4	127.2	15.0	52.1731	10.1433	1.72643	8.7	0.9	5.4	0.9	2.5	0.3	1.5	0.3	29.5	2.1	11.7	475.6	20.0	924.1		1.5
SMDH 00117	24.5	65.4	121.1	14.8	52.1731	9.10587	1.49624	7.7	0.9	5.2	1.0	2.6	0.3	1.7	0.3	29.3	2.6	7.8	299.6	20.0	930.6		
SMDH 00117	0.3	0.3	0.3	0.3	0.5797	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	27.2	1.4	905.9	1.2	
SMDH 00117	25.0	58.2	108.3	13.1	45.2167	8.41429	1.26605	6.5	0.8	5.0	0.9	2.9	0.3	2.3	0.3	25.8	2.6	7.9	288.8	15.7	816.6		1.4
SMDH 00117	27.5	54.9	101.4	12.0	41.7385	8.18376	1.49624	7.0	0.9	5.2	1.0	3.0	0.3	2.2	0.3	21.6	2.4	6.5	245.2	18.6	902.6		
SMDH 00117	25.0	58.9	109.0	13.3	44.0573	7.95323	1.38114	6.8	0.8	4.9	0.9	2.6	0.3	1.9	0.3	27.1	2.6	6.7	251.8	14.3	685.6		
SMDH 00117	20.0	98.2	184.5	21.4	75.3611	13.7164	1.38114	10.1	1.1	5.5	0.8	1.8	0.3	1.3	0.3	47.0	4.0	8.0	319.2	20.0	863.8	0.4	1.4
SMDH 00118	39.5	80.9	175.4	19.6	64.9265	11.1806	1.38114	7.9	1.1	6.6	1.4	3.5	0.6	4.1	0.6	31.5	2.2	10.6	464.9	14.3	896.1		
SMDH 00118	16.5	43.3	98.4	10.6	35.9414	5.99374	0.80567	4.0	0.6	3.0	0.6	1.5	0.3	1.6	0.3	18.1	1.3	5.4	230.2	8.6	448.0	0.9	
SMDH 00118	20.7	79.9	167.7	19.0	63.7671	10.3738	1.38114	7.0	0.8	4.4	0.7	1.6	0.3	1.7	0.3	32.3	2.2	9.1	425.4	15.7	773.7		1.5
SMDH 00118	11.7	79.9	166.2	19.1	63.7671	10.3738	1.49624	6.5	0.7	2.9	0.3	0.9	0.3	0.7	0.3	33.0	1.7	5.1	213.6	18.6	729.3		
SMDH 00118	11.9	58.6	123.5	14.1	47.5355	8.0685	1.61133	4.9	0.6	2.6	0.3	1.0	0.3	0.9	0.3	23.7	1.1	5.2	207.3	12.9	627.9		
SMDH 00118	10.4	42.9	88.9	10.2	32.4632	5.87848	1.95662	3.8	0.3	2.2	0.3	0.9	0.3	0.8	0.3	16.5	0.8	3.5	150.5	14.3	517.2	0.4	1.6
SMDH 00118	6.1	31.4	62.8	7.1	23.188	4.03425	1.84152	2.3	0.3	1.3	0.3	0.3	0.3	0.3	0.3	11.0	0.6	4.8	206.3	20.0	687.7		
SMDH 00119	36.4	56.0	118.9	13.3	44.0573	8.41429	1.61133	5.7	0.8	6.0	1.3	3.3	0.6	3.6	0.3	20.2	1.7	7.4	334.7	18.6	1151.1		
SMDH 00119	30.9	54.2	115.8	13.0	44.0573	8.0685	1.49624	5.6	0.8	5.2	1.0	2.7	0.3	3.1	0.3	19.8	1.8	6.4	288.3	15.7	933.0		1.6
SMDH 00119	31.6	62.3	132.9	14.9	49.8543	9.3364	1.61133	6.1	0.8	5.3	1.1	2.9	0.3	3.1	0.3	22.1	1.9	7.7	323.2	17.2	938.8	2.0	
SMDH 00119	32.2	86.2	182.3	20.5	68.4047	12.4485	1.72643	7.9	0.9	5.8	1.0	2.7	0.3	3.0	0.3	32.4	2.0	11.3	484.7	17.2	923.8		
SMDH 00119	41.1	142.6	299.0	34.8	115.94	20.7476	1.72643	12.8	1.5	7.9	1.5	3.5	0.6	3.6	0.3	57.8	3.9	16.9	756.9	14.3	861.0		1.4
SMDH 00119	28.4	99.9	200.2	23.4	74.2017	14.1775	1.84152	8.7	1.1	5.5	1.0	2.4	0.3	2.4	0.3	33.2	2.6	7.8	330.4	37.2	971.7		
SMDH 00119	13.3	69.2	147.3	15.5	53.3325	9.22114	1.03586	5.6	0.6	2.7	0.3	1.0	0.3	1.1	0.3	25.6	2.0	8.8	379.6	18.6	775.5	1.4	
SMDH 00119	9.5	42.8	92.9	9.6	32.4632	5.53268	1.61133	3.6	0.3	2.1	0.3	0.8	0.3	0.8	0.3	15.6	1.2	5.2	222.6	15.7	529.3		1.5
SMDH 00120	48.5	86.9	182.7	21.4	70.7235	11.5264	1.95662	8.5	1.2	7.9	1.7	5.1	0.7	5.7	0.8	30.7	2.4	10.4	410.8	18.6	1142.5		
SMDH 00120	32.6	105.1	250.7	25.2	85.7957	14.8691	1.26605	8.9	1.2	6.5	1.3	3.3	0.3	3.5	0.6	39.2	2.6	11.7	487.8	38.6	1979.7	2.5	
SMDH 00120	32.4	95.2	200.5	23.5	78.8393	13.7164	1.26605	8.8	1.1	6.1	1.1	3.1	0.3	3.9	0.6	36.6	2.5	11.2	488.3	25.7	1042.3		1.5
SMDH 00120	41.7	75.7	159.3	18.3	62.6077	10.6043	1.72643	7.7	1.1	6.4	1.4	4.0	0.6	4.7	0.7	28.0	2.0	10.1	448.3	21.5	983.6		
SMDH 00120	35.7	72.9	158.5	17.4	61.4483	10.1433	1.49624	7.8	0.9	5.8	1.3	3.9	0.6	3.8	0.6	27.3	1.9	10.5	434.6	18.6	1134.8		
SMDH 00120	27.4	24.5	54.2	7.1	28.985	6.57006	2.30191	6.4	0.8	5.5	1.1	2.9	0.3	2.3	0.3	3.0	0.6	6.0	252.2	30.0	3288.0	2.4	1.6
SMDH 00120	28.9	27.3	61.1	7.3	28.985	6.22427	1.95662	6.3	0.9	5.6	1.0	2.7	0.3	2.5	0.3	4.3	0.7	5.3	215.9	31.5	3151.1		
SMDH 00120	20.0	59.8	127.2	13.7	44.0573	7.49218	1.61133	6.3	0.7	3.7	0.7	2.3	0.3	2.4	0.3	20.7	1.2	10.8	448.2	20.0	1521.8		
SMDH 00121	15.7	62.6	156.8	14.5	52.1731	9.10587	0.69057	6.3	0.6	3.1	0.6	1.5	0.3	1.6	0.3	30.2	1.8	12.5	561.8	11.4	816.2		0.9
SMDH 00121	23.8	107.3	212.1	21.7	84.6363	12.7943	1.26605	9.7	0.8	4.6	0.8	2.4	0.3	1.8	0.3	43.5	1.9	7.4	336.2	14.3	1045.3	2.1	
SMDH 00121	20.5	61.1	130.9	15.6	49.8543	9.22114	1.15095	6.5	0.7	3.7	0.7	2.2	0.3	2.0	0.3	24.6	1.2	8.6	339.3	15.7	887.6		
SMDH 00121	33.8	87.0	188.9	20.5	74.2017	12.4485	1.38114	10.1	1.1	5.8	1.4	3.4	0.6	3.6	0.6	35.9	1.7	12.3	471.7	21.5	976.9		1.6
SMDH 00121	12.7	70.8	140.6	15.4	54.4919	8.52955	1.38114	6.4	0.3	2.9	0.3	1.3	0.3	0.9	0.3	25.4	1.1	8.8	381.3	10.0	777.4		
SMDH 00121	6.3	18.5	38.4	4.2	15.0722	2.30528	0.92076	1.6	0.3	1.4	0.3	0.6	0.3	0.3	0.3	4.2	0.3	1.5	61.7	5.7	305.3	1.0	
SMDH 00121	16.3	49.0	116.8	11.9	44.0573	6.22427	1.15095	4.2	0.7	3.0	0.7	1.8	0.3	1.9	0.3	21.3	1.2	11.2	479.1	12.9	860.3		1.8
SMDH 00121	23.4	83.7	183.7	20.4	74.2017	11.757	1.49624	6.8	0.9	4.6	1.0	2.6	0.3	2.8	0.3	36.7	1.5	10.0	407.5	8.6	844.2		
SMDH 00121	24.2	78.9	172.2	19.5	71.8829	11.0654	1.26605	7.7	0.9	4.9	1.0	2.7	0.3	2.6	0.3	33.0	1.7	10.4	423.7	7.2	839.5		
SMDH 00121	30.3	85.0	184.4	21.0	77.6799	13.0249	1.15095	8.8	1.4	6.2	1.3	3.0	0.3	3.1	0.3	34.5	2.4	9.7	428.6	22.9	968.9	1.1	1.5
SMDH 00121	7.0	12.8	24.4	3.0	9.27521	1.84423	1.03586	1.3	0.3	1.1	0.3	0.7	0.3	1.0	0.3	3.4	0.3	7.8	323.2	12.9	827.8		
SMDH 00121	4.4	8.1	15.4	1.9	5.79701	1.03738	1.03586	0.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	1.7	0.3	6.3	257.7	10.0	788.6		
SMDH 00122	21.5	76.3	188.8	17.9	73.0423	11.4112	0.80567	8.0	1.2	4.6	0.9	2.3	0.3	2.3	0.3	41.9	2.6	13.0	537.6	12.9	733.0		1.2
SMDH 00122	25.7	88.7	195.2	22.7	81.1581	14.7538	1.03586	8.7	1.1	5.6	1.0	2.5	0.3	2.6	0.3	44.6	2.6	16.2	654.7	18.6	855.6	2.2	
SMDH 00122	26.5	64.5	139.4	17.9	60.2889	11.9875	1.15095	6.9	0.9	5.2	0.9	2.9	0.3	2.7	0.3	35.5	1.4	7.1	280.2	17.2	656.9		
SMDH 00122	24.5	71.5	158.2	19.3	62.6077	12.3333	1.03586	8.0	0.9	5.0	0.9	2.6	0.3	2.7	0.3	37.8	1.7	7.7	305.8	14.3	585.8		1.6
SMDH 00122	35.4	104.6	205.9	25.9	86.9551	16.7133	2.99248	10.9	1.4	6.9	1.1	3.7	0.3	2.8	0.6	38.4	1.8	9.8	374.2	15.7	690.0		
SMDH 00122	8.0	23.3	49.3	5.9	19.7098	3.80372	1.38114	2.3	0.3	1.3	0.3	0.8	0.3	1.0	0.3	11.0	0.3	4.6	184.8	10.0	559.7	1.8	
SMDH 00122	12.5	69.0	118.6	15.6	48.6949	7.60744	2.07171	5.0	0.3	2.5	0.3	1.3	0.3	1.1	0.3	20.0	0.7	3.7	145.9	31.5	602.4		1.7
SMDH 00122	30.0	86.8	192.3	23.7	77.6799	15.3301	1.15095	10.1	1.2	6.0	1.1	3.5	0.3	3.0	0.3	50.3	2.4	7.8	305.3	20.0	749.4		
SMDH 00122	38.4	73.7	162.5	19.9	67.2453	13.6012	1.26605	9.4	1.2	7.1	1.4	4.3	0.3	4.0	0.6	42.2	1.8	6.4	270.4	14.3	573.9		
SMDH 00122	36.4	65.9	146.6	18.1	60.2889	11.8722	1.03586	8.1	1.2	6.9	1.1	4.1	0.6	3.5	0.3	36.8	1.7	7.5	297.9	17.2	580.9	0.9	1.6
SMDH 00123	30.5	71.2	158.5	18.6	62.6077	12.1027	1.03586	8.7	1.1	5.8	1.0	3.0	0.3	2.6	0.3	38.8	1.9	7.7	300.4	20.0	628.4		
SMDH 00123	34.0	85.1	183.6	21.6	78.8393	15.3301	1.38114	10.2	1.2	6.6	1.3	3.0	0.3	3.0	0.3	39.5	2.0	12.1	499.3	15.7	689.6		
SMDH 00123	21.9	117.0	246.4	28.2	99.7085	17.866	1.95662	10.4	1.2	5.7	0.8	1.9	0.3	1.6	0.3	37.0	1.3	6.7	253.7	18.6	740.9	1.5	
SMDH 00123	28.8	85.9	188.3	20.4	76.5205	12.5638	1.38114	8.6	1.1	5.7	1.1	2.9	0.3	2.8	0.3	41.6	2.0	8.8	359.4	18.6	758.0		
SMDH 00123	34.2	77.1	167.7	20.2	68.4047	13.0249	1.49624	9.4	1.2	6.8	1.1	3.1	0.3	2.8	0.3	42.1	2.2	8.5	385.4	20.0	771.3		1.7
SMDH 00123	30.8	73.2	157.0	18.0	61.4483	11.5264	1.49624	8.0	1.3	6.3	1.1	3.1	0.3	2.4	0.3	32.7	2.1	10.7	373.9	21.5	757.1	0.2	
SMDH 00123	26.2	71.9	155.9	17.7	59.1295	10.489	1.38114	7.9	1.1	4.9	0.9	2.4	0.3	1.9	0.3	34.5	1.8	7.9	304.7	20.0	846.5		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00123	33.0	80.7	175.2	19.8	68.4047	12.5638	1.49624	8.7	1.2	5.8	1.1	2.9	0.3	2.5	0.3	39.0	1.9	9.9	377.8	24.3	885.1		1.7
SMDH 00123	40.6	75.2	167.2	19.5	64.9265	13.1401	1.15095	9.3	1.5	7.1	1.5	3.8	0.3	3.1	0.3	36.3	2.5	10.0	374.0	21.5	810.8		
SMDH 00123	33.2	80.6	176.7	20.4	70.7235	12.5638	1.26605	8.9	1.3	6.1	1.3	3.1	0.3	2.5	0.3	41.0	2.0	9.1	323.7	24.3	800.5		
SMDH 00123	36.8	90.4	199.3	22.5	79.9987	14.8691	1.61133	10.2	1.4	6.8	1.3	3.3	0.6	3.0	0.3	44.5	2.2	11.4	424.7	25.7	905.4	0.7	1.6
SMDH 00123	29.9	118.1	255.9	29.2	97.3897	16.4828	1.72643	12.0	1.6	6.9	1.0	2.7	0.3	1.7	0.3	55.6	2.9	11.6	461.4	32.9	1097.4		
SMDH 00123	24.0	120.2	260.6	30.0	104.346	18.4423	1.72643	12.0	1.6	6.0	0.9	1.9	0.3	0.9	0.3	58.5	2.5	10.8	434.8	24.3	1046.2		
SMDH 00124	16.3	56.3	128.6	13.8	48.6949	8.87535	0.69057	6.3	0.8	3.1	0.6	1.6	0.3	1.4	0.3	33.3	1.8	11.6	482.5	12.9	677.9		1.6
SMDH 00124	27.8	79.4	183.0	19.8	69.5641	14.1775	0.92076	9.4	1.1	5.2	1.0	2.4	0.3	2.8	0.3	46.0	2.2	17.2	755.1	15.7	950.0	2.6	
SMDH 00124	12.8	77.2	162.0	18.7	64.9265	11.6417	0.69057	7.0	0.6	3.2	0.3	1.1	0.3	1.0	0.3	42.8	1.2	10.4	477.8	18.6	1048.6		
SMDH 00124	19.5	103.9	221.5	25.2	95.0709	15.7912	0.92076	10.1	1.1	4.4	0.7	1.6	0.3	1.4	0.3	55.6	1.7	10.5	475.3	25.7	1139.5		1.5
SMDH 00124	21.9	75.0	147.1	17.7	63.7671	12.1027	2.07171	8.4	0.9	4.1	0.7	1.6	0.3	1.4	0.3	30.4	0.7	4.0	189.0	14.3	656.6		
SMDH 00124	21.2	74.7	159.3	18.6	68.4047	11.9875	1.61133	7.4	0.8	3.9	0.7	1.7	0.3	1.7	0.3	38.3	1.1	6.1	290.7	22.9	768.3	1.6	
SMDH 00124	26.2	71.8	159.8	19.2	66.0859	13.0249	1.38114	8.9	1.1	5.8	0.9	2.4	0.3	2.3	0.3	38.0	1.3	7.1	300.6	18.6	887.6		1.6
SMDH 00124	29.0	75.4	158.1	19.3	68.4047	13.6012	1.38114	8.0	1.1	5.5	1.1	2.6	0.3	2.6	0.3	37.8	1.5	7.1	312.8	18.6	755.2		
SMDH 00124	41.3	78.0	169.9	19.9	69.5641	14.6386	1.49624	10.0	1.3	7.1	1.4	3.5	0.6	3.4	0.3	41.8	1.9	8.5	364.3	21.5	848.6		
SMDH 00124	37.5	83.1	179.7	21.0	73.0423	14.2928	1.49624	10.1	1.2	6.8	1.4	3.3	0.6	3.1	0.3	41.8	1.7	9.8	450.2	30.0	815.0	1.9	1.4
SMDH 00124	48.9	89.8	179.9	23.1	76.5205	15.0996	1.38114	11.5	1.4	7.9	1.6	6.0	0.8	4.2	0.6	46.6	2.2	9.4	309.9	20.0	749.8		
SMDH 00125	24.8	89.8	192.4	21.7	73.0423	12.4485	0.80567	7.3	0.9	4.9	0.8	2.2	0.3	2.2	0.3	50.3	2.5	16.5	746.7	11.4	510.4		
SMDH 00125	33.6	101.2	218.5	24.3	78.8393	13.2554	1.49624	7.4	1.1	6.3	1.1	3.0	0.3	3.1	0.3	43.4	2.2	11.1	490.3	15.7	601.7		1.4
SMDH 00125	38.1	97.5	204.9	23.5	78.8393	13.2554	1.72643	7.9	1.1	6.6	1.3	3.4	0.3	3.5	0.3	40.0	1.9	10.5	458.9	17.2	601.7		
SMDH 00125	42.7	92.1	191.6	21.9	73.0423	12.4485	1.95662	7.8	1.1	7.2	1.5	3.8	0.6	3.8	0.6	37.2	1.7	7.2	340.1	12.9	575.6		
SMDH 00125	28.3	93.9	195.9	22.2	74.2017	12.6791	1.61133	7.4	0.9	5.4	0.9	2.5	0.3	2.4	0.3	39.4	1.7	8.7	409.0	37.2	682.3		1.5
SMDH 00125	35.5	86.6	182.7	20.4	75.3611	13.3707	1.84152	8.5	1.2	7.1	1.3	2.9	0.3	2.8	0.3	35.1	1.3	9.4	407.3	20.0	1129.6	0.6	
SMDH 00125	31.9	129.3	277.5	30.0	108.984	17.6354	1.38114	11.0	1.3	6.8	1.1	2.6	0.3	2.8	0.3	52.9	1.9	11.9	512.2	14.3	1022.2		
SMDH 00125	22.2	122.9	254.7	27.7	98.5491	15.5607	1.95662	9.3	1.1	5.4	0.8	1.7	0.3	1.7	0.3	46.6	1.4	12.1	510.3	15.7	1052.8		1.5
SMDH 00125	37.5	151.9	319.1	34.0	121.737	19.9407	1.84152	12.4	1.5	8.0	1.4	3.0	0.3	3.2	0.3	57.5	2.1	10.3	459.5	15.7	1012.6		
SMDH 00125	38.8	128.6	270.7	29.2	105.506	17.1744	1.72643	10.9	1.4	7.4	1.4	3.2	0.6	3.5	0.6	52.0	1.7	10.1	437.8	14.3	1122.4	1.0	
SMDH 00125	18.2	133.4	275.0	29.8	105.506	15.9065	1.72643	9.1	0.9	4.6	0.7	1.3	0.3	1.1	0.3	50.9	1.5	13.9	595.3	15.7	935.8		1.4
SMDH 00125	54.1	123.0	266.6	28.7	103.187	17.4049	1.72643	11.9	1.8	10.4	1.9	4.3	0.8	4.9	0.8	53.0	2.7	10.1	440.9	18.6	981.5		
SMDH 00125	54.6	113.8	244.3	26.3	95.0709	16.2523	1.95662	11.1	1.6	10.3	1.8	4.2	0.7	4.5	0.7	47.2	2.5	10.6	462.8	21.5	1261.2		
SMDH 00125	14.2	76.4	143.4	18.6	57.9701	9.79746	1.38114	6.0	0.6	3.1	0.3	1.7	0.3	1.3	0.3	28.2	0.9	12.3	452.8	15.7	1030.8		
SMDH 00126	38.7	144.6	322.9	36.4	118.259	21.6697	1.38114	12.0	1.4	7.2	1.4	4.6	0.6	3.2	0.3	69.3	2.1	22.2	744.0	15.7	892.8		1.5
SMDH 00126	26.0	93.2	212.7	23.1	73.0423	13.3707	1.15095	7.8	0.9	4.6	0.8	3.3	0.3	2.2	0.3	42.9	6.0	892.5	37956.7	128.7	1553.8	1.6	
SMDH 00126	44.0	144.6	287.2	37.0	113.621	19.8254	1.95662	12.9	1.5	7.0	1.4	5.0	0.7	3.5	0.6	61.2	1.3	17.6	744.7	27.2	1058.9		
SMDH 00126	38.7	120.7	243.3	31.8	98.5491	19.5949	1.72643	12.6	1.4	7.3	1.3	4.3	0.3	2.6	0.3	56.3	1.7	10.8	387.0	27.2	844.2		1.8
SMDH 00126	31.8	119.6	244.9	32.2	103.187	19.9407	1.95662	12.1	1.3	6.1	1.1	3.7	0.3	2.8	0.3	57.3	1.8	11.2	395.6	20.0	918.5		
SMDH 00126	39.0	140.3	281.0	37.6	119.418	21.0934	1.95662	13.2	1.4	7.3	1.4	4.1	0.3	3.1	0.3	71.1	1.9	12.1	429.3	25.7	1067.3	0.8	
SMDH 00126	42.1	143.3	295.0	39.2	121.737	22.246	2.18681	14.9	1.6	8.8	1.4	4.8	0.6	3.3	0.6	76.4	1.9	12.6	428.5	22.9	952.8		1.7
SMDH 00126	42.2	123.3	277.8	31.8	111.303	19.0186	2.07171	12.4	1.6	9.0	1.5	4.1	0.7	4.4	0.3	63.7	2.0	9.2	399.4	22.9	953.3		
SMDH 00126	41.1	118.3	268.7	29.9	102.027	18.2117	1.95662	11.5	1.5	7.8	1.4	3.8	0.6	3.6	0.6	58.4	1.9	9.0	348.4	21.5	950.7		
SMDH 00126	44.9	128.6	293.8	32.4	120.578	19.5949	1.84152	12.4	1.8	9.4	1.6	3.9	0.7	3.6	0.3	71.3	2.1	8.5	342.8	22.9	873.6		1.7
SMDH 00126	39.3	115.2	255.1	28.7	100.868	17.2896	1.61133	11.2	1.4	6.9	1.3	3.8	0.6	3.4	0.3	52.8	1.9	8.1	321.8	27.2	1038.1		
SMDH 00126	36.9	119.5	261.0	28.9	97.3897	15.2149	1.38114	9.2	0.9	6.2	1.3	3.8	0.6	4.5	0.6	47.7	1.4	15.8	617.7	14.3	1233.4		
SMDH 00126	42.5	147.4	311.6	35.2	118.259	17.0591	1.61133	10.4	1.2	7.0	1.6	4.8	0.7	5.5	0.8	58.6	1.3	10.8	440.1	10.0	1058.6		1.7
SMDH 00126	53.0	183.0	397.2	43.6	151.882	22.7071	1.72643	13.2	1.6	8.5	1.9	5.8	1.0	6.1	0.8	73.9	1.5	12.6	488.3	17.2	1207.7	0.8	
SMDH 00126	53.5	174.1	372.0	40.1	136.809	21.0934	1.38114	13.9	1.5	9.3	1.9	5.7	0.9	6.1	0.8	70.5	1.9	14.0	548.8	18.6	1510.9		
SMDH 00126	55.0	164.8	357.4	38.6	135.65	20.6323	1.84152	12.7	1.4	9.0	1.9	5.7	0.8	6.0	0.7	66.1	1.5	14.7	552.7	17.2	1210.2		1.7
SMDH 00126	44.1	158.2	336.4	39.9	136.809	21.3239	1.49624	13.1	1.4	8.4	1.6	4.0	0.7	5.3	0.6	69.5	1.8	17.6	765.5	18.6	1405.3		
SMDH 00126	34.2	147.7	321.1	37.8	132.172	21.4391	1.95662	12.3	1.3	6.6	1.1	3.5	0.6	4.4	0.6	67.5	1.4	12.9	535.2	18.6	1238.5		1.7
SMDH 00126	24.2	117.6	240.8	30.4	95.0709	16.0217	1.49624	8.2	1.2	4.9	1.1	2.4	0.3	3.3	0.3	52.0	1.9	10.1	479.9	15.7	1051.4		
SMDH 00126	24.7	83.0	180.3	21.4	73.0423	12.3333	1.61133	7.8	0.9	5.3	0.9	2.2	0.3	2.7	0.3	37.2	1.2	8.7	383.9	24.3	866.6		
SMDH 00126	49.9	157.2	335.5	42.6	140.288	22.9376	1.84152	15.9	1.9	9.7	1.7	4.2	0.6	4.3	0.6	79.4	2.5	8.3	344.3	24.3	931.6	0.7	1.6
SMDH 00126	39.0	129.6	281.8	33.9	114.781	18.7881	1.72643	13.5	1.4	7.6	1.3	3.5	0.3	4.0	0.3	64.0	2.0	9.0	379.7	24.3	986.2		
SMDH 00126	40.2	144.0	306.1	37.7	120.578	20.056	1.72643	12.7	1.4	7.3	1.4	3.7	0.3	4.0	0.6	64.5	1.7	9.7	398.8	20.0	922.4		
SMDH 00126	30.4	141.1	299.2	36.7	118.259	19.3644	1.61133	12.4	1.3	5.7	1.0	3.0	0.3	2.6	0.3	68.7	2.0	12.4	509.4	18.6	933.9		1.5
SMDH 00126	9.5	44.8	92.4	11.4	34.782	5.53268	1.26605	3.6	0.3	1.8	0.3	0.8	0.3	0.9	0.3	18.3	0.9	11.6	489.1	17.2	847.2	0.5	
SMDH 00126	25.7	57.1	119.9	14.5	49.8543	7.26165	1.03586	5.4	0.6	3.8	0.9	2.6	0.3	3.4	0.3	23.2	1.9	28.2	1182.2	40.1	2746.8		
SMDH 00126	25.7	57.1	119.9	14.5	49.8543	7.26165	1.03586	5.4	0.6	3.8	0.9	2.6	0.3	3.4	0.3	23.2	1.9	28.2	1182.2	40.1	2746.8		
SMDH 00127	19.0	78.7	197.0	16.2	63.7671	9.79746	0.92076	5.7	0.8	3.3	0.6	1.7	0.3	2.0	0.3	32.1	1.7	12.5	502.5	24.3	480.7		1.7
SMDH 00127	47.0	125.7	268.3	26.5	96.2303	15.6759	1.61133	11.2	1.6	8.1	1.5	3.8	0.7	3.5	0.3	61.6	3.2	7.5	286.1	31.5	712.4		
SMDH 00127	22.1	106.8	220.2	25.3	84.6363	12.3333	1.61133	7.3	0.7	4.0	0.8	2.1	0.3	2.5	0.3	41.6	1.3	11.7	502.8	17.2	967.5		
SMDH 00127	38.3	146.9	295.8	33.7	117.1	18.6728	2.07171	12.1	1.4	7.8	1.4	3.7	0.7	3.2	0.3	59.3	1.8	8.4	342.6	12.9	813.1	1.6	1.5
SMDH 00127	54.1	117.5	248.2	26.7	96.2303	14.7538	1.84152	9.6	1.2	7.4	1.9	6.2	1.1	8.1	1.8	48.8	1.1	7.7	335.9	11.4	727.6		
SMDH 00127	127.1	159.6	335.7	40.2	140.288	23.5139	1.38114	16.4	2.5	15.5	4.5	17.6	3.2	25.1	4.4	74.5	1.8	10.4	459.3	14.3	669.0		
SMDH 00127	145.1	206.2	447.0	52.5	177.388	27.3176	1.72643	19.1	2.6	19.0	4.8	15.3	3.1	18.4	3.2	93.5	2.1	8.4	332.6	18.6	791.2		1.6
SMDH 00127	57.7	157.9	333.2	39.2	132.172	18.6728	1.72643	11.9	1.5	9.3	1.8	5.4	1.0	6.4	1.1	65.0	1.7	13.2	571.9	14.3	937.2	0.8	
SMDH 00127	31.6	160.8	340.2	40.0	133.331	19.8254	1.49624	11.9	1.4	6.0	1.0	2.5	0.3	2.7	0.6	68.6	1.7	9.6	420.1	15.7	945.3		
SMDH 00127	27.6	193.8	410.4	47.2	159.997	24.436	1.61133	14.6	1.4	6.3	0.9	1.9	0.3	1.7	0.3	80.6	2.6	14.5	644.1	25.7	953.7		1.7
SMDH 00127	31.4	190.9	408.2	47.1	159.997	24.436	1.84152	14.3	1.5	6.8	1.0	2.5	0.3	2.2	0.3	82.0	2.6	13.3	589.9	20.0	1008.9		
SMDH 00127	36.4	140.8	310.6	34.2	112.462	16.3675	1.49624	11.8	1.5	7.1	1.4	3.3	0.3	3.2	0.3	62.2	2.4	12.6	509.0	20.0	949.1	0.7	
SMDH 00127	44.6	131.7	294.4	32.9	105.506	18.0965	1.72643	12.9	1.8	7.9	1.6	3.8	0.7	4.2	0.7	62.0	2.7	14.3	563.3	24.3	1087.4		1.8

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00127	32.2	97.8	215.8	24.1	79.9987	12.6791	2.07171	9.1	1.3	5.4	1.1	3.1	0.6	3.4	0.6	45.8	1.4	9.0	351.7	18.6	774.1		
SMDH 00128	19.0	75.0	161.5	19.2	67.2453	11.757	0.69057	7.2	0.8	4.2	0.7	2.2	0.3	2.4	0.3	34.1	1.8	11.3	489.4	11.4	509.5		1.6
SMDH 00128	37.9	123.3	254.9	30.9	106.665	17.4049	1.49624	11.7	1.4	7.4	1.3	4.2	0.3	4.2	0.6	53.0	2.6	15.0	581.5	14.3	744.0		
SMDH 00128	20.7	113.6	247.2	28.8	95.0709	15.6759	1.26605	9.6	0.8	4.4	0.8	2.1	0.3	2.3	0.3	46.4	1.5	9.1	365.4	15.7	797.9		
SMDH 00128	18.1	85.8	182.8	20.9	71.8829	11.0654	1.15095	7.3	0.7	3.7	0.7	1.9	0.3	1.8	0.3	35.1	1.5	9.3	370.4	14.3	727.6	1.6	1.6
SMDH 00128	13.3	78.3	161.7	19.1	62.6077	9.45167	0.80567	6.1	0.7	3.0	0.3	1.4	0.3	1.4	0.3	30.3	0.9	7.4	301.1	27.2	812.7		
SMDH 00128	14.2	117.1	253.9	28.3	96.2303	13.7164	1.72643	9.1	0.8	4.0	0.6	1.4	0.3	0.9	0.3	47.5	1.5	8.5	377.7	21.5	933.0		
SMDH 00128	26.2	107.4	216.4	24.3	82.3175	13.6012	1.38114	7.9	0.9	4.4	0.9	3.1	0.3	3.1	0.3	40.5	1.5	11.1	451.6	25.7	901.7		1.7
SMDH 00128	29.4	126.9	247.9	28.7	95.0709	15.5607	1.38114	10.0	1.3	5.3	1.1	3.3	0.3	3.6	0.3	49.3	2.1	11.8	509.3	20.0	975.5	0.8	
SMDH 00128	42.1	113.7	252.3	27.3	92.7521	16.2523	1.72643	9.4	1.2	7.1	1.5	5.2	0.6	5.1	0.8	50.0	2.2	8.8	400.6	17.2	1000.5		
SMDH 00128	31.8	118.0	232.9	26.5	91.5927	15.6759	1.15095	8.5	1.2	5.3	1.1	3.4	0.6	3.9	0.3	46.8	2.0	11.8	511.7	18.6	948.6		
SMDH 00128	17.2	138.1	267.7	31.7	108.984	17.866	1.49624	9.1	1.1	4.0	0.6	1.5	0.3	1.4	0.3	54.1	1.9	10.5	414.2	20.0	921.7		
SMDH 00128	13.3	86.7	165.4	19.9	64.9265	10.2585	1.49624	6.3	0.7	2.7	0.3	1.4	0.3	1.1	0.3	33.3	1.3	9.0	372.0	15.7	874.8	0.9	
SMDH 00128	22.3	129.0	288.4	31.1	108.984	16.8286	1.84152	9.7	0.9	4.8	0.8	2.5	0.3	1.7	0.3	56.8	1.8	11.0	447.2	18.6	994.4		
SMDH 00128	9.1	73.4	140.4	15.9	54.4919	8.0685	1.61133	4.7	0.3	2.1	0.3	0.8	0.3	0.6	0.3	26.6	0.8	7.9	326.1	15.7	797.7		1.5
SMDH 00129	19.8	40.2	80.4	9.0	32.4632	5.87848	0.28774	3.8	0.3	3.2	0.7	1.8	0.3	2.0	0.3	16.8	1.2	8.7	395.6	21.5	745.9		0.9
SMDH 00129	39.0	36.6	73.4	8.6	32.4632	4.8411	0.92076	4.2	0.7	5.7	1.4	4.1	0.7	4.8	0.7	12.9	1.2	12.3	549.6	30.0	1145.3		
SMDH 00129	65.4	57.4	132.9	13.5	45.2167	6.4548	1.03586	6.0	1.2	9.3	2.3	6.8	1.1	8.1	1.1	22.7	1.3	17.6	776.7	40.1	1352.5		
SMDH 00129	14.3	16.0	31.6	4.0	10.4346	2.07476	1.26605	1.7	0.3	2.3	0.3	1.8	0.3	1.9	0.3	5.0	0.3	4.0	199.1	8.6	326.1		
SMDH 00129	24.8	26.2	53.0	5.9	19.7098	3.80372	1.15095	2.9	0.3	3.4	0.9	2.5	0.3	3.1	0.3	8.7	0.7	8.7	387.3	12.9	600.6		1.5
SMDH 00129	26.1	82.4	162.5	19.0	66.0859	10.7196	1.26605	6.1	0.7	4.0	0.9	3.2	0.3	3.6	0.3	28.5	1.4	10.0	439.3	24.3	841.4		
SMDH 00129	16.3	64.0	122.3	13.8	46.3761	7.26165	1.15095	4.4	0.7	2.9	0.6	1.7	0.3	1.9	0.3	20.9	1.2	10.4	443.7	18.6	817.8		
SMDH 00129	21.0	77.7	160.9	17.8	61.4483	10.6043	1.38114	6.6	0.8	4.1	0.8	2.1	0.3	2.3	0.3	29.6	1.5	8.0	332.2	12.9	677.9		
SMDH 00129	27.9	111.4	236.9	26.9	91.5927	15.4454	1.61133	10.7	1.3	5.4	1.0	2.5	0.3	2.6	0.3	43.5	2.9	11.7	504.5	17.2	919.2		
SMDH 00129	0.3	1.2	2.4	0.3	1.1594	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	14.3	1.4	798.6		
SMDH 00130	55.0	30.4	78.4	10.4	44.0573	14.408	1.72643	14.1	2.2	11.3	1.9	3.8	0.3	2.8	0.3	5.3	1.4	2.9	137.8	21.5	739.8		
SMDH 00130	34.5	137.5	286.0	31.6	107.824	18.6728	1.15095	12.8	1.4	6.9	1.1	3.0	0.3	3.1	0.3	55.0	3.2	10.6	467.1	11.4	538.7		
SMDH 00130	16.1	95.4	202.8	24.0	81.1581	13.1401	1.38114	8.7	0.8	3.8	0.3	1.5	0.3	1.6	0.3	37.8	2.0	12.7	523.6	20.0	849.1		
SMDH 00130	29.9	99.3	208.3	23.2	78.8393	14.408	1.26605	9.7	1.1	5.7	1.0	2.9	0.3	2.6	0.3	39.5	2.8	10.6	458.6	11.4	531.0		
SMDH 00130	22.9	94.3	192.2	21.9	77.6799	13.6012	1.38114	8.2	0.8	4.4	0.7	2.9	0.3	2.3	0.3	39.9	2.2	11.9	526.3	28.6	940.2		
SMDH 00130	3.0	9.5	14.5	2.0	6.95641	0.92211	1.26605	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.7	0.3	7.9	343.0	17.2	692.4		
SMDH 00130	7.2	61.9	123.8	14.9	51.0137	8.29903	1.15095	4.5	0.3	1.9	0.3	0.7	0.3	0.7	0.3	22.3	0.9	7.5	297.7	14.3	706.8	0.9	
SMDH 00130	10.6	93.4	202.5	25.0	85.7957	13.3707	1.49624	7.8	0.7	3.0	0.3	0.8	0.3	0.7	0.3	38.8	1.4	13.9	563.7	21.5	1180.6		
SMDH 00130	5.2	49.1	98.8	12.1	41.7385	6.68533	1.49624	3.9	0.3	1.3	0.3	0.3	0.3	0.3	0.3	18.2	0.8	10.4	438.2	17.2	965.7		1.6
SMDH 00130	29.4	95.6	201.1	24.5	84.6363	12.7943	1.95662	7.9	0.9	4.9	1.1	3.1	0.3	3.6	0.6	37.9	1.5	13.9	568.7	17.2	1067.7		
SMDH 00130	17.0	99.1	205.9	21.9	70.7235	12.6791	1.49624	7.4	0.9	3.3	0.7	1.9	0.3	2.6	0.3	33.0	2.0	12.0	497.2	18.6	935.8	0.8	
SMDH 00131	16.3	50.9	105.1	12.2	40.5791	7.14638	0.80567	4.6	0.3	2.7	0.3	2.1	0.3	1.6	0.3	19.3	1.3	11.2	427.8	12.9	425.8		
SMDH 00131	24.0	93.4	189.9	22.0	74.2017	12.7943	1.38114	7.8	0.8	4.4	0.8	3.1	0.3	2.5	0.3	37.7	2.0	17.5	671.6	15.7	737.9		
SMDH 00131	15.1	72.0	148.3	17.3	60.2889	10.9501	1.03586	5.8	0.7	3.2	0.3	1.9	0.3	1.5	0.3	31.5	1.3	8.7	307.7	11.4	687.5		
SMDH 00131	15.8	74.1	148.8	16.0	55.6513	8.52955	1.26605	4.7	0.3	2.5	0.3	2.2	0.3	1.8	0.3	28.4	1.1	10.6	410.5	25.7	807.3	1.1	1.6
SMDH 00131	15.7	88.0	180.7	20.4	70.7235	13.0249	1.15095	7.1	0.7	3.3	0.6	2.2	0.3	1.7	0.3	38.4	1.5	10.5	367.7	15.7	744.2		
SMDH 00131	21.8	81.7	168.2	19.3	64.9265	13.0249	1.26605	8.2	0.8	4.5	0.7	3.0	0.3	2.6	0.3	35.7	1.8	8.4	334.3	20.0	946.0		
SMDH 00131	19.0	77.4	160.3	18.9	63.7671	12.5638	1.15095	7.1	0.8	3.9	0.7	2.4	0.3	1.9	0.3	35.0	1.7	8.4	327.7	20.0	901.9		1.4
SMDH 00131	16.2	78.3	165.4	18.9	63.7671	11.757	1.15095	7.3	0.8	3.4	0.6	1.8	0.3	1.5	0.3	35.7	1.5	10.6	392.4	20.0	999.8	1.2	
SMDH 00131	11.8	115.6	234.2	25.7	86.9551	14.408	1.84152	8.0	0.7	2.7	0.3	1.5	0.3	0.8	0.3	47.1	1.1	5.7	208.7	12.9	681.1		
SMDH 00131	13.4	120.7	245.0	27.4	97.3897	13.3707	1.84152	8.2	0.7	3.1	0.3	1.5	0.3	1.0	0.3	51.8	1.1	5.7	240.7	11.4	819.2		1.4
SMDH 00131	10.9	106.7	205.5	23.3	81.1581	11.0654	1.95662	7.0	0.6	2.6	0.3	1.3	0.3	0.6	0.3	40.7	0.8	3.8	162.1	15.7	545.0		
SMDH 00132	30.9	93.6	188.3	21.4	78.8393	11.757	1.26605	9.2	1.1	5.0	1.0	3.3	0.3	3.1	0.3	37.0	2.5	12.5	529.4	27.2	520.2	1.9	
SMDH 00132	10.1	63.4	129.7	14.2	48.6949	8.64482	1.38114	4.8	0.3	1.9	0.3	0.8	0.3	0.8	0.3	24.1	1.3	8.4	363.5	10.0	690.7		1.5
SMDH 00132	7.2	33.7	68.7	7.9	26.6662	4.03425	1.03586	3.1	0.3	1.6	0.3	0.6	0.3	0.7	0.3	13.4	0.8	6.0	264.1	18.6	590.5		
SMDH 00132	9.8	48.5	99.3	11.0	38.2603	7.7227	0.92076	4.5	0.3	2.3	0.3	0.7	0.3	0.3	0.3	19.4	1.2	8.1	354.7	14.3	724.6		
SMDH 00132	17.4	36.1	73.7	8.0	28.985	4.14951	1.03586	3.9	0.3	2.4	0.6	2.1	0.3	2.2	0.3	13.4	1.1	5.3	217.3	17.2	597.8		
SMDH 00132	38.5	67.4	135.3	15.5	54.4919	8.76008	1.15095	6.5	0.8	5.7	1.1	4.8	0.3	4.2	0.3	25.2	2.1	7.2	294.6	21.5	952.8		
SMDH 00132	36.4	78.9	163.8	18.9	67.2453	13.8317	1.15095	8.5	1.1	6.2	1.3	3.2	0.7	3.8	0.3	33.8	2.8	8.0	330.7	24.3	903.5		
SMDH 00132	27.8	68.1	138.8	15.6	55.6513	9.10587	1.15095	6.2	0.7	4.1	0.8	3.1	0.3	3.1	0.3	26.7	1.9	8.4	353.0	20.0	875.3	1.0	1.5
SMDH 00132	37.5	61.7	129.7	14.4	53.3325	8.18376	1.03586	6.5	0.8	5.2	1.1	4.3	0.6	4.7	0.3	24.9	1.7	7.1	286.2	20.0	861.2		
SMDH 00132	43.1	93.1	191.2	21.5	78.8393	11.8722	1.38114	9.4	1.2	6.4	1.4	5.2	0.7	5.1	0.6	37.6	2.4	11.3	559.0	18.6	864.8		
SMDH 00132	47.4	76.7	158.8	17.1	55.6513	10.2585	1.38114	7.8	1.2	6.8	1.5	6.3	0.9	6.3	0.8	28.3	2.4	7.5	303.5	22.9	872.0		1.4
SMDH 00132	86.1	165.1	339.7	34.7	113.621	21.7849	2.64719	14.7	2.3	12.5	2.7	10.8	1.6	10.6	1.5	51.7	4.8	13.9	601.0	37.2	1727.6	0.8	
SMDH 00132	30.4	56.7	115.3	12.7	40.5791	8.0685	1.61133	5.4	0.8	4.4	0.9	3.8	0.6	3.2	0.3	20.9	1.8	8.3	344.0	22.9	778.3		
SMDH 00133	9.0	31.3	53.0	7.2	26.6662	4.8411	0.69057	3.2	0.3	2.2	0.3	1.0	0.3	1.0	0.3	11.5	0.8	3.9	170.1	11.4	304.1		1.5
SMDH 00133	14.3	35.7	54.4	9.0	31.3038	5.64795	0.69057	4.0	0.3	2.5	0.6	1.1	0.3	1.1	0.3	13.4	1.2	4.5	192.9	11.4	422.3		
SMDH 00133	15.3	54.3	85.5	14.5	48.6949	8.29903	0.92076	6.2	0.7	3.4	0.7	1.5	0.3	1.0	0.3	21.6	2.4	2.4	111.8	12.9	502.5	2.0	
SMDH 00133	36.1	332.3	526.1	86.1	291.01	50.1399	1.84152	32.7	3.1	10.3	1.4	2.6	0.3	1.3	0.3	140.6	15.0	2.5	98.7	47.2	1721.6		1.4
SMDH 00133	13.8	138.2	205.6	34.1	117.1	20.1712	1.49624	12.8	1.3	4.6	0.6	1.1	0.3	0.3	0.3	56.3	6.7	1.8	76.7	42.9	1116.8		
SMDH 00133	14.8	33.9	52.9	8.8	30.1444	5.18689	1.15095	4.6	0.6	3.1	0.3	1.4	0.3	1.3	0.3	11.8	1.9	2.0	92.1	20.0	604.8	2.0	
SMDH 00133	12.3	27.5	54.9	7.7	22.0286	3.91898	1.03586	3.0	0.3	2.6	0.3	1.1	0.3	1.4	0.3	9.2	1.3	3.5	135.2	11.4	524.4		
SMDH 00133	19.3	19.7	50.1	7.3	17.391	3.91898	1.15095	3.6	0.3	3.3	0.7	1.8	0.3	1.6	0.3	5.9	1.5	1.9	86.7	20.0	636.8		
SMDH 00133	22.9	112.3	237.8	25.0	92.7521	15.9065	1.26605	10.8	1.2	5.5	0.8	1.6	0.3	1.5	0.3	52.9	7.0	2.8	105.4	51.5	976.2		1.3
SMDH 00133	21.9	114.8	235.8	26.2	97.3897	17.2896	1.38114	10.1	1.2	4.8	0.8	1.6	0.3	1.9	0.3	54.6	4.0	2.6	113.1	41.5	884.8	1.2	
SMDH 00133	19.6	83.2	172.5	19.1	68.4047	11.1806	0.92076	8.4	0.8	4.4	0.6	1.6	0.3	1.7	0.3	40.0	3.2	2.8	114.4	25.7	796.5		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00133	12.7	13.7	28.2	3.2	11.594	2.53581	0.80567	2.1	0.3	2.3	0.3	0.9	0.3	1.1	0.3	4.2	1.3	1.7	66.1	11.4	601.5		1.4
SMDH 00133	15.6	12.0	26.6	3.1	12.7534	3.11213	0.92076	2.6	0.3	2.6	0.6	1.5	0.3	1.6	0.3	3.4	1.3	1.4	57.1	11.4	573.0		
SMDH 00133	25.2	36.9	73.8	8.3	30.1444	5.30216	0.92076	4.1	0.7	4.4	0.8	2.1	0.3	2.6	0.3	12.4	1.8	2.9	104.6	14.3	629.8	1.3	
SMDH 00133	17.6	17.9	38.6	4.4	18.5504	3.68846	1.03586	3.1	0.3	3.3	0.6	1.6	0.3	1.8	0.3	5.9	1.5	2.0	67.7	12.9	648.7		
SMDH 00133	17.0	15.7	35.0	4.1	16.2316	2.99687	0.80567	3.6	0.3	3.2	0.6	1.3	0.3	1.4	0.3	5.6	1.3	2.9	117.7	11.4	516.5		
SMDH 00133	26.7	52.0	108.9	11.9	42.8979	7.14638	1.26605	5.5	0.8	4.7	1.0	2.3	0.3	3.3	0.3	24.0	2.9	6.6	288.7	15.7	522.8		
SMDH 00134	55.4	126.3	271.0	30.1	102.027	18.5575	1.84152	11.5	1.6	9.5	1.8	5.0	0.9	5.7	0.9	49.1	3.7	22.8	944.6	18.6	1018.7		1.3
SMDH 00134	44.6	87.5	188.0	21.3	71.8829	13.1401	1.84152	8.5	1.3	7.4	1.5	5.2	0.7	4.5	0.7	32.0	2.5	10.3	433.2	25.7	1180.8		
SMDH 00134	21.4	55.1	115.9	13.3	46.3761	8.29903	1.38114	5.2	0.7	4.0	0.8	1.8	0.3	1.8	0.3	20.2	1.7	5.4	219.0	71.5	772.2		
SMDH 00134	18.9	38.4	82.2	9.2	31.3038	6.109	1.26605	3.9	0.6	3.4	0.7	1.6	0.3	1.7	0.3	13.7	0.9	6.7	280.3	12.9	548.0		1.4
SMDH 00134	21.3	43.9	92.0	10.4	37.1009	6.91585	1.26605	4.4	0.6	3.8	0.7	1.9	0.3	1.8	0.3	15.4	0.8	7.2	297.2	14.3	509.2		
SMDH 00134	28.8	65.2	139.7	15.6	55.6513	9.91272	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	2.6	0.3	24.9	1.1	8.8	360.8	22.9	908.0		
SMDH 00134	23.4	48.3	103.7	11.6	39.4197	7.95323	1.49624	4.8	0.7	4.2	0.8	2.2	0.3	1.9	0.3	17.8	0.8	7.3	317.8	20.0	879.0	0.4	1.4
SMDH 00135	35.9	65.2	133.9	15.0	51.0137	9.3364	1.61133	6.9	0.9	6.1	1.3	4.1	0.6	3.8	0.3	24.0	2.0	8.4	382.5	22.9	1357.4		
SMDH 00135	35.7	57.3	117.0	14.3	46.3761	8.76008	1.49624	6.1	0.9	4.9	1.3	3.4	0.3	3.3	0.3	22.4	2.0	9.8	399.2	17.2	1079.2	2.0	
SMDH 00135	27.8	43.8	95.2	10.3	37.1009	6.4548	1.15095	5.5	0.7	4.1	0.9	3.3	0.3	3.0	0.3	16.4	1.3	7.0	293.3	17.2	963.3		1.7
SMDH 00135	25.2	64.2	133.7	15.7	52.1731	8.99061	1.49624	6.5	0.8	4.4	0.8	2.9	0.3	2.6	0.3	24.5	1.5	11.7	474.9	15.7	844.2	2.4	
SMDH 00135	27.6	80.9	165.6	19.3	62.6077	10.489	1.61133	7.4	0.9	5.3	1.0	3.3	0.3	3.2	0.3	29.4	1.2	9.0	377.0	20.0	912.9		
SMDH 00135	31.4	63.0	134.9	14.8	48.6949	8.0685	1.49624	6.2	0.8	5.3	1.0	3.9	0.3	3.5	0.3	24.1	0.9	7.8	342.3	20.0	1098.8		
SMDH 00135	19.6	71.4	157.4	17.9	60.2889	10.6043	1.38114	7.7	0.8	4.4	0.8	2.5	0.3	1.9	0.3	29.0	1.9	10.3	437.1	22.9	982.2	0.6	
SMDH 00135	14.1	52.7	112.6	12.5	41.7385	8.0685	1.61133	5.3	0.7	3.0	0.3	1.7	0.3	1.3	0.3	20.9	1.2	9.4	425.8	15.7	829.7		1.6
SMDH 00135	23.2	72.5	151.2	17.3	61.4483	10.1433	1.15095	7.1	0.8	4.4	0.8	2.9	0.3	2.8	0.3	27.6	1.7	9.4	392.4	17.2	952.6		
SMDH 00135																							
SMDH 00135	27.4	65.3	134.0	16.5	52.1731	9.3364	1.38114	6.4	0.8	4.4	0.9	2.4	0.3	2.4	0.3	24.3	1.5	8.3	357.4	18.6	826.7		1.6
SMDH 00135	43.1	93.3	192.0	22.9	76.5205	13.8317	1.61133	8.6	1.2	6.4	1.6	5.2	0.7	5.0	0.7	35.2	2.1	11.8	522.8	35.8	872.2		1.5
SMDH 00135	20.0	79.5	164.2	20.1	63.7671	10.3738	1.61133	6.5	0.8	3.3	0.7	1.8	0.3	1.9	0.3	32.0	1.5	9.2	379.3	15.7	971.3		
SMDH 00136	22.8	55.9	122.9	13.5	44.0573	8.0685	0.80567	4.9	0.7	3.9	0.8	2.2	0.3	2.2	0.3	22.0	1.7	8.4	369.6	7.2	568.1		
SMDH 00136	22.9	42.3	88.3	10.3	33.6226	6.22427	1.03586	3.9	0.6	3.8	0.8	2.3	0.3	2.3	0.3	15.9	1.7	6.8	285.4	14.3	684.7		
SMDH 00136	29.3	51.2	102.9	12.0	40.5791	7.49218	1.26605	4.7	0.7	4.8	0.9	2.7	0.3	2.8	0.3	17.3	1.8	7.4	325.9	14.3	747.5		1.6
SMDH 00136	36.9	80.9	168.3	19.6	67.2453	11.6417	1.72643	7.2	1.1	6.3	1.3	3.3	0.6	3.5	0.3	31.1	2.0	11.0	449.4	20.0	1162.6		
SMDH 00136	43.5	100.0	215.9	24.6	82.3175	14.8691	1.61133	8.8	1.3	7.6	1.5	4.3	0.7	4.5	0.8	41.1	2.9	22.3	945.2	18.6	1130.1		1.3
SMDH 00136	42.1	117.3	253.8	28.9	97.3897	16.9438	1.61133	10.4	1.3	8.0	1.5	4.1	0.7	4.0	0.6	48.2	3.3	23.8	1016.5	17.2	1100.2		
SMDH 00136	53.2	178.0	392.5	44.6	149.563	26.5108	1.49624	16.0	2.0	9.9	1.7	4.6	0.7	4.5	0.7	76.7	5.0	36.9	1560.0	20.0	1011.7	2.0	
SMDH 00136	65.9	254.0	555.5	63.0	214.489	37.2303	1.84152	22.3	2.6	13.2	2.2	5.7	0.8	5.2	0.8	110.7	6.1	40.1	1695.8	20.0	1100.0		1.4
SMDH 00136	61.8	281.5	617.1	70.1	236.518	41.0341	1.84152	24.5	2.8	13.2	2.1	5.0	0.7	4.0	0.6	126.6	6.3	14.4	603.5	17.2	949.1		
SMDH 00136	20.5	87.0	185.5	20.7	70.7235	13.3707	1.61133	8.4	1.1	4.7	0.7	1.6	0.3	1.1	0.3	32.6	2.8	8.0	324.7	27.2	931.8		
SMDH 00136	19.9	67.5	144.0	16.1	54.4919	10.3738	1.61133	6.4	0.8	4.0	0.7	1.7	0.3	1.5	0.3	25.7	2.1	7.2	297.2	18.6	778.1	1.7	1.4
SMDH 00136	13.3	49.7	107.1	11.6	40.5791	8.29903	1.49624	5.3	0.6	3.0	0.3	1.0	0.3	0.7	0.3	19.0	2.0	6.8	277.2	18.6	766.6		
SMDH 00136	1.0	6.7	12.0	1.7	5.79701	0.80685	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.9	0.3	1.4	83.9	2.9	37.1		
SMDH 00136	15.8	72.5	156.9	17.5	57.9701	10.2585	1.15095	6.1	0.7	3.1	0.3	1.5	0.3	1.6	0.3	28.8	2.2	10.3	404.8	14.3	1020.3		1.4
SMDH 00136	31.6	91.3	200.2	22.9	77.6799	13.6012	1.61133	9.3	1.2	5.8	1.1	2.9	0.3	3.8	0.6	39.1	3.3	9.1	379.7	20.0	1134.8	0.8	
SMDH 00136	27.2	75.7	164.2	18.7	61.4483	11.5264	1.84152	7.7	0.9	5.4	0.9	2.3	0.3	2.4	0.3	31.7	2.8	7.0	283.7	24.3	1075.9		
SMDH 00136	34.3	78.1	167.3	19.1	63.7671	12.218	1.72643	8.1	1.1	6.3	1.1	3.1	0.3	3.3	0.3	33.3	3.1	9.6	376.5	24.3	1046.5		1.4
SMDH 00136	34.3	78.1	167.3	19.1	63.7671	12.218	1.72643	8.1	1.1	6.3	1.1	3.1	0.3	3.3	0.3	33.3	3.1	9.6	376.5	24.3	1046.5		1.4
SMDH 00137	32.7	86.4	152.4	17.9	67.2453	11.9875	1.38114	8.2	1.1	6.0	1.0	2.9	0.3	2.8	0.3	29.0	2.4	11.6	496.6	14.3	1535.4	1.6	
SMDH 00137	28.8	74.9	139.4	15.1	60.2889	9.79746	1.26605	6.8	0.8	4.9	0.9	2.5	0.3	2.7	0.3	28.2	2.2	9.7	427.0	18.6	1676.0		
SMDH 00137	43.6	164.7	323.8	35.9	122.897	20.6323	2.417	12.6	1.6	8.4	1.5	4.0	0.7	4.3	0.6	47.6	3.2	18.3	744.6	57.2	1765.9		1.5
SMDH 00137	29.7	77.4	144.4	16.5	56.8107	8.76008	1.61133	5.6	0.8	4.6	0.9	2.4	0.3	3.0	0.3	23.2	1.9	9.6	415.2	25.7	959.6		
SMDH 00137	35.2	61.4	115.1	13.6	44.0573	7.83797	1.61133	5.5	0.8	5.5	1.0	3.1	0.3	3.5	0.3	18.3	1.4	7.7	338.9	22.9	1052.3	0.4	
SMDH 00137	40.6	62.2	117.4	12.5	44.0573	7.14638	1.61133	5.2	0.8	5.8	1.3	3.5	0.7	3.9	0.6	19.9	1.7	10.0	437.9	20.0	985.5		1.5
SMDH 00137	29.8	71.8	149.9	17.5	57.9701	9.79746	1.61133	6.5	0.9	4.9	1.0	2.7	0.3	3.1	0.3	25.7	1.8	7.3	343.5	21.5	1064.5		
SMDH 00137	39.0	65.5	124.4	13.8	47.5355	7.49218	1.61133	5.6	0.8	6.0	1.3	3.4	0.6	4.1	0.3	23.4	1.5	9.8	403.2	17.2	920.1		
SMDH 00137	30.3	65.2	125.0	14.2	48.6949	8.29903	1.61133	6.2	0.8	5.2	0.9	2.7	0.3	3.0	0.3	18.7	1.7	9.0	390.1	24.3	1140.4	0.2	1.5
SMDH 00137	24.7	70.4	137.1	15.4	53.3325	8.41429	1.72643	5.7	0.7	4.2	0.7	2.1	0.3	2.3	0.3	22.1	1.5	9.3	396.9	21.5	990.0		
SMDH 00137	41.6	83.9	157.1	18.4	62.6077	9.79746	1.72643	7.0	0.9	6.3	1.3	4.1	0.8	5.6	0.8	26.3	1.7	10.0	435.6	25.7	981.1		
SMDH 00137	37.5	61.5	115.7	13.2	45.2167	7.7227	1.61133	5.5	0.8	5.5	1.1	3.1	0.6	3.8	0.3	18.7	1.4	7.9	333.4	20.0	915.4		1.5
SMDH 00137	29.3	78.5	152.9	17.4	59.1295	9.22114	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	3.1	0.3	26.1	1.7	8.8	365.9	21.5	1032.2	0.2	
SMDH 00137	29.3	78.5	152.9	17.4	59.1295	9.22114	1.61133	6.4	0.8	4.8	0.9	2.6	0.3	3.1	0.3	26.1	1.7	8.8	365.9	21.5	1032.2	0.2	
SMDH 00138	3.2	16.0	31.6	3.5	11.594	1.84423	1.49624	1.1	0.3	0.7	0.3	0.3	0.3	0.3	0.3	5.0	0.3	7.9	350.4	18.6	564.8	2.4	1.5
SMDH 00138	25.7	72.8	171.1	16.7	61.4483	10.2585	0.92076	6.3	0.8	4.8	0.9	2.2	0.3	2.5	0.3	29.6	2.5	14.2	594.5	18.6	1017.1	1.0	1.5
SMDH 00138	50.9	120.6	222.2	26.3	95.0709	15.7912	2.07171	10.1	1.4	8.6	1.7	4.0	0.8	4.5	0.7	38.8	2.9	14.5	600.4	34.3	1182.7		
SMDH 00138	29.9	64.7	122.8	14.5	49.8543	9.10587	1.38114	5.7	0.7	4.6	0.9	2.7	0.3	3.1	0.3	22.5	1.8	7.5	310.7	18.6	750.5		
SMDH 00138	37.4	64.1	122.9	14.4	51.0137	8.52955	1.26605	6.1	0.8	5.6	1.1	3.4	0.6	3.6	0.6	21.3	1.9	8.7	347.4	18.6	776.7		1.4
SMDH 00138	40.0	92.0	177.1	20.9	70.7235	12.4485	1.38114	7.8	1.1	6.3	1.3	3.8	0.6	3.8	0.6	31.6	2.2	10.0	416.6	20.0	925.5	0.4	
SMDH 00138	38.8	73.4	146.3	17.2	57.9701	10.028	1.49624	6.8	0.9	5.8	1.1	3.4	0.6	3.8	0.3	25.1	2.7	8.5	350.8	18.6	914.0		1.4
SMDH 00138	50.4	76.3	148.6	17.1	57.9701	10.489	1.49624	6.9	1.1	7.4	1.5	4.6	0.9	5.2	0.8	25.3	2.9	9.9	410.6	22.9	979.4		
SMDH 00138	39.0	69.9	132.6	15.3	52.1731	9.3364	1.49624	5.6	0.8	5.8	1.1	3.7	0.7	4.1	0.6	22.8	1.5	9.6	403.5	15.7	1012.1	0.4	
SMDH 00138	38.9	63.4	119.8	14.2	47.5355	7.95323	1.61133	5.2	0.7	5.4	1.3	3.7	0.7	4.2	0.6	20.3	1.4	6.5	268.9	15.7	860.1		1.5
SMDH 00138	49.7	79.1	152.0	17.4	60.2889	10.6043	1.38114	6.9	1.1	6.9	1.5	4.6	0.8	5.0	0.7	26.6	2.0	8.6	363.5	24.3	1007.2		
SMDH 00138	37.4	69.6	131.2	14.7	52.1731	8.99061	1.38114	6.4	0.9	5.8	1.1	3.3	0.6	3.6	0.6	22.6	2.0	8.4	366.1	17.2	824.1		
SMDH 00138	47.9	90.6	188.5	22.1	75.3611	13.3707	1.61133	9.1	1.2	7.6	1.7	4.6	0.7	4.9	0.7	36.6	3.1	10.6	435.9	12.9	409.5		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00138	37.9	73.5	143.6	16.7	57.9701	9.79746	1.38114	6.3	0.8	5.8	1.1	3.5	0.6	3.8	0.6	25.7	2.4	7.7	324.7	15.7	905.9	0.3	1.4
SMDH 00138	48.3	79.4	152.4	17.7	57.9701	10.3738	1.49624	7.1	1.1	7.1	1.5	4.2	0.8	4.8	0.7	26.7	3.5	8.8	360.0	20.0	977.8		
SMDH 00138	39.8	70.3	143.8	16.3	56.8107	9.79746	1.49624	6.5	0.9	6.3	1.4	4.0	0.7	4.1	0.6	23.2	2.2	7.8	330.1	17.2	1523.7		
SMDH 00138	46.0	83.3	163.1	18.6	62.6077	11.757	1.15095	7.6	1.1	7.0	1.4	4.3	0.7	4.7	0.7	29.0	2.1	8.7	375.0	18.6	961.5		1.5
SMDH 00139	11.8	44.0	89.2	10.1	38.2603	6.57006	0.57548	3.6	0.3	2.5	0.3	1.0	0.3	1.1	0.3	23.7	1.7	6.3	262.7	11.4	759.6		1.3
SMDH 00139	24.1	66.8	150.5	17.2	56.8107	10.9501	1.26605	6.3	0.8	4.5	0.8	2.1	0.3	2.4	0.3	36.5	2.4	9.0	374.7	21.5	1205.3	2.7	
SMDH 00139	16.5	123.4	266.0	26.1	93.9115	14.2928	2.18681	7.9	0.8	3.8	0.6	1.3	0.3	1.4	0.3	33.5	1.4	11.8	488.7	25.7	885.5		
SMDH 00139	29.4	132.8	279.5	31.3	115.94	20.1712	1.15095	11.6	1.4	6.4	1.0	2.3	0.3	2.5	0.3	60.5	2.9	12.0	508.4	22.9	838.4		1.5
SMDH 00139	25.6	113.4	226.1	25.2	92.7521	14.7538	1.38114	8.2	0.9	4.8	0.9	2.2	0.3	2.7	0.3	40.4	1.7	10.5	426.4	18.6	904.0		
SMDH 00139	23.1	69.5	143.4	15.7	56.8107	9.3364	1.38114	5.2	0.7	3.8	0.8	2.1	0.3	2.6	0.3	27.0	1.3	12.3	516.1	14.3	896.1	0.6	
SMDH 00139	2.4	10.4	18.1	1.9	5.79701	1.03738	1.15095	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.7	0.3	7.5	331.9	12.9	557.1		1.7
SMDH 00139	2.3	9.8	17.0	1.8	5.79701	0.69159	1.49624	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	5.4	233.8	11.4	491.5		
SMDH 00140	46.9	188.7	418.7	47.1	158.838	29.7382	1.26605	17.4	2.0	9.5	1.5	3.5	0.7	4.0	0.3	91.3	5.0	37.6	1571.3	18.6	1104.4		
SMDH 00140	30.2	93.3	223.7	22.5	79.9987	14.5233	1.38114	8.8	1.2	5.7	1.0	2.3	0.3	2.6	0.3	46.7	2.6	14.0	569.0	22.9	1216.5	2.6	
SMDH 00140	22.1	96.2	201.7	22.9	79.9987	13.0249	1.15095	8.1	0.9	4.7	0.8	1.8	0.3	1.9	0.3	45.7	2.2	11.6	471.0	31.5	798.9	2.6	
SMDH 00140	38.7	100.2	196.7	24.0	79.9987	14.9844	2.07171	9.1	1.2	6.4	1.1	2.7	0.3	2.8	0.3	42.7	1.9	10.3	416.0	17.2	812.9		1.5
SMDH 00140	22.6	102.3	205.3	21.4	84.6363	11.757	1.61133	7.2	0.8	4.2	0.8	2.1	0.3	2.2	0.3	37.9	2.2	9.7	401.6	14.3	886.5	1.4	1.7
SMDH 00140	13.2	45.1	94.3	11.2	37.1009	6.68533	1.84152	3.9	0.3	2.7	0.3	1.1	0.3	1.3	0.3	19.0	1.2	5.4	220.7	12.9	597.1		
SMDH 00140	40.3	70.3	151.6	18.4	60.2889	12.1027	1.38114	7.4	1.1	7.1	1.4	3.1	0.6	3.5	0.3	34.4	2.2	8.1	332.4	17.2	759.6		
SMDH 00140	41.9	96.0	196.5	21.1	81.1581	13.7164	1.26605	8.1	1.3	7.3	1.4	4.1	0.7	4.3	0.7	40.3	2.6	13.6	581.0	20.0	870.4		
SMDH 00140	31.2	69.7	170.5	17.5	62.6077	11.4112	1.26605	8.0	1.2	5.7	1.0	2.7	0.3	2.7	0.3	38.8	2.1	10.1	416.7	21.5	777.6		
SMDH 00140	29.5	69.8	143.7	15.3	60.2889	9.79746	1.26605	6.2	0.9	5.4	1.0	2.6	0.3	3.0	0.3	31.5	1.8	9.7	385.9	18.6	934.8		1.7
SMDH 00140	28.5	106.4	215.6	22.3	92.7521	14.9844	1.49624	8.6	1.2	5.4	1.0	2.5	0.3	2.4	0.3	43.4	1.5	10.3	433.6	15.7	814.1	1.1	
SMDH 00140	18.8	52.3	108.6	13.0	44.0573	8.52955	1.38114	5.0	0.7	3.9	0.7	1.5	0.3	1.4	0.3	21.8	0.8	5.9	252.5	15.7	655.9	0.3	1.5
SMDH 00140	20.0	88.1	187.4	22.0	73.0423	13.3707	1.49624	7.6	0.9	4.4	0.7	1.6	0.3	1.7	0.3	41.1	1.4	8.7	360.9	20.0	975.5		
SMDH 00140	31.3	93.2	197.4	26.1	81.1581	14.5233	1.49624	9.1	1.1	6.1	1.1	2.7	0.3	3.2	0.3	44.9	1.8	8.3	353.6	20.0	1003.5		
SMDH 00141	31.4	129.5	254.9	28.7	108.984	19.1339	1.03586	11.6	1.3	6.5	1.1	2.4	0.3	2.2	0.3	58.8	2.9	18.3	774.1	12.9	1367.9	0.6	
SMDH 00141	35.5	85.9	186.7	21.4	75.3611	14.7538	1.72643	9.4	1.2	6.5	1.1	2.7	0.3	2.8	0.3	40.0	1.8	10.6	447.0	21.5	846.5		1.3
SMDH 00141	46.3	101.3	208.4	25.1	86.9551	17.6354	1.72643	11.3	1.5	8.1	1.5	3.4	0.6	3.5	0.3	46.9	2.0	11.4	479.7	28.6	929.7		
SMDH 00141	34.9	85.4	187.7	21.3	75.3611	14.7538	1.84152	9.4	1.3	6.6	1.1	2.7	0.3	2.5	0.3	40.1	1.4	9.1	383.0	21.5	751.2		
SMDH 00141	20.0	107.2	235.8	26.2	91.5927	15.6759	1.61133	9.4	1.1	4.5	0.7	1.5	0.3	1.5	0.3	48.2	1.4	11.8	519.8	22.9	740.0	0.7	1.6
SMDH 00141	29.4	106.4	234.5	25.9	91.5927	16.9438	1.72643	10.8	1.3	6.1	0.9	2.2	0.3	2.4	0.3	49.5	1.7	9.9	408.8	18.6	939.0		
SMDH 00141	23.6	120.5	275.5	31.3	90.4333	18.7881	1.95662	12.5	1.2	5.2	0.8	2.5	0.3	1.7	0.3	52.7	1.4	10.1	554.6	18.6	835.8		
SMDH 00141	5.6	37.5	77.0	8.4	28.985	5.07163	1.84152	3.0	0.3	1.3	0.3	0.3	0.3	0.3	0.3	14.0	0.3	6.0	248.1	12.9	566.2		
SMDH 00141	34.2	113.0	265.0	30.6	89.2739	19.9407	1.72643	15.2	1.5	7.7	1.3	3.4	0.3	2.5	0.3	54.7	2.0	10.1	519.5	27.2	1047.9		
SMDH 00141	28.5	85.5	172.2	21.0	73.0423	15.2149	1.72643	9.6	1.2	5.5	1.0	2.1	0.3	1.9	0.3	40.5	1.7	10.5	427.5	31.5	806.8		
SMDH 00141	39.8	92.5	204.4	22.7	81.1581	16.7133	1.95662	11.0	1.4	7.7	1.3	2.9	0.3	3.0	0.3	44.7	2.1	9.0	370.5	28.6	885.8		1.6
SMDH 00141	49.6	90.6	205.6	22.6	81.1581	16.5981	1.72643	11.0	1.5	8.8	1.6	3.8	0.7	4.0	0.3	47.2	2.2	8.4	347.3	25.7	835.3		
SMDH 00141	41.3	79.1	174.2	19.5	68.4047	14.1775	1.84152	9.3	1.3	7.3	1.3	3.1	0.6	3.3	0.3	36.8	1.8	8.8	359.7	21.5	824.1		1.6
SMDH 00142	17.1	55.0	126.3	13.8	48.6949	8.99061	0.28774	5.4	0.7	3.4	0.6	1.5	0.3	1.6	0.3	32.3	1.5	12.9	571.1	11.4	655.9		
SMDH 00142	28.8	74.1	178.2	19.0	66.0859	12.218	1.49624	8.4	1.1	5.7	0.9	2.3	0.3	2.4	0.3	32.4	1.5	13.0	588.0	14.3	745.6		1.4
SMDH 00142	25.9	65.1	124.9	14.8	54.4919	9.56693	2.07171	7.3	0.9	4.6	0.9	1.9	0.3	1.8	0.3	22.3	0.9	9.8	399.8	15.7	855.2	1.1	
SMDH 00142	32.7	87.7	190.7	22.3	76.5205	15.6759	1.61133	10.2	1.3	6.8	1.0	2.6	0.3	2.4	0.3	44.2	1.8	10.7	519.4	22.9	870.8		
SMDH 00142	21.7	90.2	192.0	22.3	78.8393	14.5233	1.49624	8.8	0.9	4.7	0.8	1.8	0.3	1.8	0.3	40.8	1.2	7.5	334.7	14.3	908.2		1.5
SMDH 00142	28.4	75.7	165.6	19.3	68.4047	12.9096	1.15095	8.8	1.1	5.7	1.0	2.2	0.3	2.0	0.3	38.8	1.5	9.3	416.0	17.2	783.0		
SMDH 00142	28.3	102.8	224.9	25.9	91.5927	16.7133	1.61133	10.7	1.2	5.7	1.0	2.3	0.3	2.3	0.3	48.6	1.9	12.5	572.9	20.0	1156.7	0.6	
SMDH 00142	15.8	105.5	232.9	25.3	89.2739	15.9065	1.72643	9.1	0.9	3.8	0.6	1.1	0.3	1.0	0.3	46.4	1.4	8.0	342.0	14.3	681.1		1.7
SMDH 00142	33.3	104.4	235.5	26.2	92.7521	17.5202	1.61133	11.0	1.3	6.5	1.1	2.7	0.3	2.8	0.3	49.6	1.8	11.9	503.6	21.5	930.6		
SMDH 00142	31.7	103.6	228.3	25.2	88.1145	16.2523	1.38114	10.1	1.2	6.2	1.1	2.6	0.3	2.6	0.3	47.0	1.8	11.1	455.5	21.5	953.0		
SMDH 00142	32.3	90.2	195.1	23.2	82.3175	16.137	1.49624	10.3	1.3	6.8	1.1	2.6	0.3	2.5	0.3	45.7	1.7	10.1	414.2	21.5	836.3		
SMDH 00142	26.5	70.8	158.7	17.5	62.6077	12.3333	1.38114	7.3	0.9	4.7	0.8	2.1	0.3	1.9	0.3	33.0	1.2	9.2	390.0	15.7	521.4		
SMDH 00142	37.1	110.8	240.8	26.8	93.9115	17.5202	1.72643	10.7	1.3	6.6	1.3	3.0	0.3	3.1	0.3	48.8	1.9	11.3	481.6	22.9	759.6		1.6
SMDH 00142	44.0	104.8	230.8	25.8	90.4333	16.7133	1.61133	10.7	1.4	7.9	1.5	3.5	0.6	3.9	0.3	48.3	1.7	9.7	403.1	28.6	832.5	0.4	
SMDH 00142	32.4	97.6	219.2	24.6	85.7957	16.4828	1.72643	10.1	1.3	6.5	1.1	2.6	0.3	2.6	0.3	47.4	2.1	11.2	475.1	27.2	857.7		
SMDH 00142	33.0	92.5	214.2	25.6	73.0423	15.2149	1.38114	11.1	1.1	5.5	1.0	3.7	0.3	3.2	0.3	44.6	1.5	6.7	384.7	21.5	819.2		1.5
SMDH 00142	31.7	92.5	210.4	23.9	83.4769	16.3675	1.49624	10.0	1.2	6.0	1.0	2.6	0.3	2.7	0.3	46.8	2.2	9.3	387.0	18.6	824.1		1.6
SMDH 00142	32.6	88.4	196.7	22.1	78.8393	14.0622	1.72643	8.9	1.2	5.8	1.0	2.7	0.3	3.1	0.3	41.9	2.0	11.3	479.0	20.0	602.7		
SMDH 00143	27.0	115.8	273.3	29.9	106.665	17.9812	0.80567	10.5	1.3	5.7	1.0	2.3	0.3	2.5	0.3	58.5	2.5	15.8	656.5	14.3	543.3	2.9	
SMDH 00143	40.3	143.5	349.1	37.2	132.172	21.9002	1.49624	12.8	1.6	8.2	1.5	3.3	0.3	3.8	0.3	68.5	2.9	19.1	799.9	15.7	798.9		1.4
SMDH 00143	28.4	122.1	243.7	28.9	103.187	16.7133	1.84152	9.1	1.1	5.3	0.9	2.2	0.3	1.8	0.3	46.2	1.3	7.7	355.3	15.7	1043.9		
SMDH 00143	37.3	106.3	237.5	26.3	96.2303	15.7912	1.49624	10.1	1.2	6.6	1.3	3.2	0.3	3.4	0.3	47.2	1.9	6.3	270.0	15.7	674.6		
SMDH 00143	41.6	113.6	257.9	29.4	105.506	18.5575	1.49624	11.3	1.5	8.4	1.6	3.7	0.6	4.4	0.6	52.0	2.5	9.8	419.2	22.9	1104.2	1.1	1.5
SMDH 00143	41.7	128.8	296.9	33.9	122.897	20.2865	1.72643	12.0	1.4	8.0	1.5	3.7	0.6	3.9	0.3	61.7	3.2	10.5	432.7	37.2	919.6		
SMDH 00143	19.8	157.3	357.7	37.7	136.809	20.6323	1.95662	11.5	1.2	5.2	0.7	1.5	0.3	1.0	0.3	68.7	1.7	12.3	521.9	22.9	884.1		
SMDH 00143	33.7	138.3	311.8	34.8	99.7085	18.7881	1.61133	11.1	1.3	6.4	1.1	3.9	0.3	2.8	0.3	54.6	1.7	7.5	399.7	20.0	844.0		1.7
SMDH 00143	44.0	110.1	249.4	27.9	90.4333	16.137	1.38114	10.8	1.3	7.1	1.6	4.7	0.7	4.0	0.6	45.8	1.8	10.6	462.5	20.0	923.1		
SMDH 00143	9.4	61.7	137.0	15.6	42.8979	7.7227	1.95662	5.0	0.3	2.1	0.3	0.9	0.3	0.3	0.3	23.3	0.8	6.6	362.6	14.3	673.7		
SMDH 00143	10.1	93.0	196.8	22.3	62.6077	11.2959	1.84152	6.3	0.6	2.2	0.3	0.9	0.3	0.6	0.3	31.1	1.2	12.6	682.0	34.3	1027.1		1.7
SMDH 00143	14.8	139.4	311.8	35.2	102.027	16.7133	1.38114	10.8	0.9	3.8	0.3	1.5	0.3	0.7	0.3	57.0	1.4	11.7	623.1	20.0	1072.6		
SMDH 00143	17.4	174.2	396.0	46.0	131.012	22.7071	1.95662	13.3	1.3	4.6	0.7	1.6	0.3	0.7	0.3	71.5	1.8	11.2	629.5	20.0	981.3	0.5	
SMDH 00144	20.5	62.3	129.7	14.8	52.1731	8.64482	0.69057	5.8	0.6	4.0	0.8	2.5	0.3	2.0	0.3	27.5	1.7	10.4	458.6	12.9	496.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00144	36.0	109.2	215.3	23.9	84.6363	12.9096	1.61133	8.0	1.1	6.1	1.1	3.1	0.6	3.5	0.3	37.8	2.0	12.9	579.4	31.5	767.8	1.5	1.4
SMDH 00144	46.8	102.2	212.7	24.3	84.6363	15.0996	1.61133	10.2	1.3	8.2	1.6	3.9	0.7	4.3	0.6	40.4	2.2	9.9	441.7	21.5	901.4		
SMDH 00144	26.9	97.2	204.9	22.5	78.8393	12.7943	1.61133	8.4	0.9	5.3	0.9	2.7	0.3	2.7	0.3	40.3	1.9	10.8	462.1	17.2	730.0		1.7
SMDH 00144	36.8	116.7	250.4	27.9	99.7085	16.9438	1.72643	11.0	1.3	7.3	1.4	3.2	0.3	3.4	0.3	47.6	2.6	9.8	472.6	22.9	1021.5	0.9	
SMDH 00144	38.8	109.9	238.6	26.2	91.5927	15.7912	1.49624	11.1	1.3	7.4	1.3	3.4	0.6	3.6	0.3	45.9	2.9	12.7	566.1	21.5	990.7		
SMDH 00144	24.8	93.8	212.9	23.8	84.6363	14.6386	1.49624	8.7	0.9	5.2	0.9	2.3	0.3	2.7	0.3	39.6	2.1	8.8	373.4	22.9	795.4		1.8
SMDH 00144	7.0	35.3	73.6	8.3	27.8256	4.03425	1.84152	2.6	0.3	1.4	0.3	0.6	0.3	0.8	0.3	12.0	0.6	4.6	230.2	12.9	507.8		
SMDH 00145	20.8	96.2	201.6	22.9	83.4769	12.1027	0.92076	7.9	0.8	3.6	0.7	1.9	0.3	2.5	0.3	42.5	1.9	13.1	615.6	17.2	706.8		
SMDH 00145	46.3	126.8	265.4	30.6	112.462	17.9812	1.84152	12.0	1.2	7.1	1.6	4.6	0.8	5.3	0.7	53.4	2.0	12.1	562.1	25.7	885.5	2.3	
SMDH 00145	45.0	120.8	265.2	29.7	107.824	17.866	1.49624	12.3	1.4	7.3	1.6	4.5	0.7	5.3	0.7	54.7	2.0	11.2	510.2	22.9	709.6		1.6
SMDH 00145	44.2	126.8	278.1	30.9	112.462	18.4423	1.49624	12.4	1.3	7.7	1.7	4.8	0.9	6.0	0.8	53.9	1.8	8.5	392.5	20.0	691.2		
SMDH 00145	32.3	149.6	322.9	36.6	128.694	19.8254	1.72643	12.6	1.2	6.0	1.1	3.1	0.3	4.1	0.7	63.0	1.8	9.6	432.7	20.0	741.2		
SMDH 00145	28.8	151.5	331.2	37.3	134.491	19.7102	1.61133	11.8	1.2	4.8	1.0	2.7	0.3	3.5	0.3	64.3	1.8	12.1	575.8	15.7	727.9	0.8	1.6
SMDH 00145	14.7	156.2	336.8	36.3	128.694	19.5949	1.84152	11.1	0.9	4.0	0.3	1.3	0.3	1.1	0.3	62.2	1.5	9.8	470.5	17.2	764.8		
SMDH 00145	13.7	77.3	164.4	17.7	63.7671	9.3364	1.95662	5.5	0.3	2.9	0.3	1.4	0.3	1.6	0.3	29.5	0.9	7.3	335.8	12.9	509.9		
SMDH 00145	33.7	119.2	255.1	28.3	103.187	18.327	1.49624	11.5	1.2	6.4	1.0	4.1	0.6	3.8	0.6	54.3	2.4	10.7	442.8	22.9	968.5		1.6
SMDH 00145	37.6	125.7	268.7	30.4	105.506	19.1339	1.61133	11.5	1.2	6.8	1.4	5.0	0.7	4.2	0.8	56.7	1.9	11.1	489.4	17.2	1028.3	0.6	
SMDH 00145	41.8	156.4	329.4	37.7	132.172	23.2834	1.61133	13.5	1.4	7.3	1.5	5.5	0.8	5.1	0.8	70.4	2.1	11.1	452.9	14.3	866.4		
SMDH 00145	28.1	130.6	280.7	31.6	110.143	17.2896	1.61133	10.2	1.1	5.0	0.9	3.2	0.3	3.0	0.3	56.7	1.5	12.0	541.1	14.3	852.1		1.6
SMDH 00145	25.9	107.1	227.2	25.3	88.1145	15.6759	1.61133	9.2	0.9	4.7	0.9	2.7	0.3	2.2	0.3	46.8	1.5	10.4	435.8	20.0	1014.2		
SMDH 00145	37.6	102.7	219.8	24.5	85.7957	14.408	1.15095	8.6	0.9	6.0	1.3	4.7	0.7	4.3	0.7	45.4	1.5	11.7	483.2	15.7	1042.3	0.7	
SMDH 00145	28.6	46.4	93.6	10.3	34.782	5.64795	1.26605	3.9	0.3	4.0	0.9	3.7	0.3	3.4	0.3	16.1	0.8	12.9	543.8	15.7	904.9		1.6
SMDH 00145	7.9	19.0	37.2	4.0	13.9128	2.30528	1.38114	1.4	0.3	1.1	0.3	1.0	0.3	1.1	0.3	5.8	0.3	9.6	412.1	14.3	972.0		
SMDH 00146	37.4	123.5	269.8	31.0	98.5491	18.2117	1.61133	12.4	1.3	7.4	1.3	3.2	0.3	3.1	0.3	55.9	3.1	17.8	738.5	18.6	776.7		1.6
SMDH 00146	32.4	100.4	211.2	24.6	81.1581	13.7164	1.49624	9.4	1.1	6.5	1.0	3.1	0.3	2.6	0.3	41.0	2.0	11.0	461.4	21.5	913.3	0.5	
SMDH 00146	28.9	88.2	160.2	21.1	69.5641	11.0654	1.61133	8.6	0.9	5.0	0.9	2.3	0.3	2.0	0.3	31.8	1.5	11.4	473.6	14.3	576.3		
SMDH 00146	38.8	102.9	215.4	26.1	86.9551	15.3301	1.72643	10.2	1.3	7.4	1.4	3.8	0.3	3.1	0.3	41.3	2.5	9.4	415.4	22.9	1095.1		1.7
SMDH 00146	33.1	96.3	204.3	23.9	79.9987	14.6386	1.72643	9.6	1.3	6.9	1.1	3.2	0.3	2.7	0.3	39.5	2.5	8.7	400.2	20.0	954.4	1.7	
SMDH 00146	28.3	82.8	174.8	20.8	69.5641	12.4485	1.49624	8.0	1.1	5.6	0.9	2.4	0.3	2.0	0.3	33.3	2.0	14.4	699.7	18.6	811.3		
SMDH 00146	38.9	118.8	249.0	28.9	98.5491	17.6354	1.61133	12.4	1.4	7.8	1.3	3.7	0.3	3.0	0.3	47.2	2.6	9.1	423.5	22.9	1025.9		1.7
SMDH 00146	35.5	118.5	248.5	29.1	102.027	16.7133	1.61133	11.5	1.5	7.2	1.3	3.2	0.3	2.5	0.3	46.9	2.6	9.4	416.0	21.5	1025.9		
SMDH 00146	36.0	94.8	195.0	23.2	75.3611	13.3707	1.95662	8.7	1.2	6.9	1.1	3.5	0.3	2.7	0.3	36.6	1.9	8.3	366.7	18.6	866.9		
SMDH 00146	40.6	98.3	207.7	24.9	82.3175	14.2928	1.72643	9.6	1.3	6.8	1.4	4.3	0.6	3.8	0.3	40.4	1.9	9.9	416.5	18.6	909.4		1.7
SMDH 00146	31.7	96.5	201.5	23.7	82.3175	13.1401	1.84152	9.1	1.1	6.5	1.0	3.1	0.3	2.6	0.3	38.6	2.1	11.1	481.3	22.9	938.6	0.6	
SMDH 00146	26.4	91.7	191.3	22.5	73.0423	12.6791	1.72643	9.2	1.1	5.4	0.9	2.5	0.3	1.9	0.3	36.1	1.5	8.5	419.4	18.6	972.9		
SMDH 00146	33.3	110.5	239.2	26.7	96.2303	15.3301	1.61133	10.7	1.3	6.9	1.3	3.1	0.3	3.4	0.3	43.6	3.1	9.4	443.2	30.0	861.9		1.7
SMDH 00147	27.8	80.2	181.7	20.1	69.5641	11.8722	1.15095	7.8	0.9	5.2	0.9	2.5	0.3	2.7	0.3	34.8	2.8	14.9	623.3	14.3	508.1		1.1
SMDH 00147	48.2	143.3	312.3	35.3	122.897	21.9002	1.84152	14.2	1.8	9.2	1.6	4.3	0.7	4.5	0.7	62.2	4.2	25.2	1059.3	20.0	1011.0		
SMDH 00147	17.1	75.5	151.4	17.7	61.4483	10.489	1.61133	7.1	0.8	3.7	0.6	1.4	0.3	1.1	0.3	29.3	1.7	7.2	313.1	17.2	875.5		
SMDH 00147	26.4	85.4	178.5	19.2	66.0859	12.4485	1.38114	8.4	1.2	5.3	0.9	2.5	0.3	2.5	0.3	34.5	2.7	9.0	379.2	20.0	956.8	1.0	1.5
SMDH 00147	23.1	66.1	138.9	15.9	53.3325	9.56693	1.38114	6.6	0.8	4.6	0.8	1.9	0.3	1.9	0.3	27.0	2.1	7.9	336.9	21.5	975.5		
SMDH 00147	18.1	77.0	161.9	18.0	64.9265	11.9875	1.49624	7.6	0.9	4.1	0.6	1.4	0.3	1.1	0.3	32.1	2.1	8.3	359.9	20.0	870.6		
SMDH 00147	24.6	72.7	152.9	17.4	61.4483	11.1806	1.84152	7.7	0.9	4.9	0.8	2.1	0.3	1.9	0.3	29.9	2.4	9.8	454.4	20.0	858.7		1.5
SMDH 00147	30.5	98.4	204.4	23.2	79.9987	14.408	1.95662	9.6	1.2	6.2	1.0	2.4	0.3	2.2	0.3	38.4	2.8	9.4	406.7	31.5	968.0	0.7	
SMDH 00147	34.1	91.2	194.7	21.9	76.5205	13.947	1.95662	9.3	1.3	6.6	1.1	2.9	0.3	2.6	0.3	37.6	3.2	17.5	893.7	30.0	1079.2		
SMDH 00147	24.5	78.6	167.6	18.4	66.0859	11.6417	1.61133	7.4	0.9	4.8	0.8	1.9	0.3	2.0	0.3	32.0	2.2	7.2	330.4	20.0	830.6		1.5
SMDH 00147	31.7	78.5	163.9	18.6	67.2453	11.757	1.84152	8.5	1.1	6.0	1.0	2.6	0.3	2.5	0.3	30.3	2.5	10.0	413.8	28.6	1089.0		
SMDH 00147	28.0	81.0	170.5	19.5	69.5641	12.7943	1.84152	8.6	1.2	5.8	0.9	2.1	0.3	1.8	0.3	33.8	2.6	10.3	416.5	25.7	1108.4	0.5	
SMDH 00147	21.8	78.3	167.4	18.3	63.7671	11.6417	1.38114	7.7	0.9	4.5	0.8	1.7	0.3	1.6	0.3	31.2	2.1	9.9	437.1	25.7	1111.9		1.4
SMDH 00147	25.9	93.0	196.5	21.7	77.6799	14.408	1.38114	9.5	1.2	5.7	0.9	2.1	0.3	1.9	0.3	38.0	2.7	10.8	463.3	30.0	1105.3		
SMDH 00147	19.4	85.5	184.8	20.7	74.2017	12.7943	1.72643	8.5	1.1	4.6	0.7	1.4	0.3	1.1	0.3	35.7	2.5	11.2	460.8	25.7	1156.0		
SMDH 00147	23.8	88.8	178.7	20.3	69.5641	12.6791	1.84152	7.8	0.9	4.8	0.8	1.9	0.3	1.8	0.3	31.6	2.2	7.7	352.6	34.3	988.6	0.3	1.4
SMDH 00148	27.6	129.4	262.2	30.6	100.868	17.0591	1.15095	10.0	1.1	5.5	0.9	3.3	0.3	2.4	0.3	50.2	2.7	15.2	748.3	18.6	694.2		
SMDH 00148	16.9	117.8	245.0	27.6	89.2739	13.8317	1.26605	7.9	0.9	3.6	0.6	1.7	0.3	1.3	0.3	47.8	1.5	8.6	435.1	20.0	1127.8		
SMDH 00148	18.4	84.4	169.0	20.3	64.9265	10.9501	1.26605	6.1	0.7	3.2	0.7	1.9	0.3	1.7	0.3	31.3	1.2	7.7	410.9	14.3	889.7	1.6	1.5
SMDH 00148	18.2	90.9	186.7	22.1	69.5641	11.757	1.38114	7.0	0.8	3.7	0.7	2.1	0.3	1.4	0.3	36.6	1.2	7.2	300.0	14.3	800.0		
SMDH 00148	50.1	104.9	214.1	25.5	83.4769	14.408	1.38114	8.8	1.2	7.4	1.6	6.7	0.9	5.8	1.0	39.0	2.4	10.1	514.2	24.3	1619.9		
SMDH 00148	36.0	93.5	187.9	22.7	71.8829	10.489	1.38114	6.8	0.9	5.6	1.1	4.3	0.6	4.0	0.7	34.9	1.7	7.2	374.7	14.3	1049.5		1.4
SMDH 00148	29.3	93.1	187.9	22.3	68.4047	12.4485	1.38114	7.8	0.9	5.3	1.1	3.9	0.3	3.1	0.6	34.2	1.7	8.5	433.5	20.0	1183.1		
SMDH 00148	34.2	83.7	177.1	20.1	62.6077	10.9501	1.49624	7.4	0.9	5.5	1.1	4.7	0.7	3.8	0.7	32.8	1.8	8.7	439.7	15.7	896.3		1.6
SMDH 00148	33.0	84.7	177.7	20.2	74.2017	10.8348	1.26605	8.5	0.9	5.8	1.3	3.5	0.6	3.6	0.6	34.9	2.0	8.0	333.6	20.0	865.9		
SMDH 00148	25.2	66.2	137.0	15.7	56.8107	8.52955	1.49624	6.9	0.7	4.4	1.0	2.5	0.3	3.0	0.3	26.1	1.4	5.7	266.4	22.9	530.5	0.7	
SMDH 00148	16.3	92.1	189.5	22.2	78.8393	11.4112	1.84152	7.9	0.9	3.7	0.7	1.5	0.3	1.0	0.3	36.9	1.4	6.0	256.2	15.7	832.5		1.6
SMDH 00148	19.4	86.9	179.3	20.3	68.4047	10.6043	1.72643	7.3	0.8	3.7	0.7	1.7	0.3	2.0	0.3	37.0	1.1	6.8	319.3	18.6	619.5		
SMDH 00148	20.8	131.7	267.9	31.2	111.303	15.4454	2.30191	10.4	1.1	4.7	0.9	1.8	0.3	1.8	0.3	54.6	1.5	8.1	371.6	15.7	750.8		
SMDH 00149	21.8	51.7	110.1	12.0	41.7385	6.91585	0.92076	6.1	0.9	4.2	0.7	2.2	0.3	2.3	0.3	18.6	1.7	6.1	260.8	21.5	959.8		
SMDH 00149	26.6	31.9	74.3	8.0	28.985	5.64795	0.92076	4.7	0.7	4.9	0.9	2.4	0.3	3.0	0.3	11.6	1.2	3.3	136.0	20.0	1137.8		1.5
SMDH 00149	9.6	58.7	110.7	11.6	34.782	4.72583	1.26605	2.5	0.3	2.1	0.3	0.9	0.3	1.5	0.3	16.2	2.9	32.3	1349.4	22.9	1344.8		
SMDH 00149	27.1	62.4	113.1	13.0	42.8979	6.57006	1.72643	4.7	0.7	4.4	0.9	2.4	0.3	3.6	0.3	16.6	2.4	6.3	288.1	30.0	296.9	0.5	
SMDH 00149	24.7	30.1	55.4	6.6	20.8692	3.91898	1.38114	3.4	0.3	3.4	0.8	2.5	0.3	4.0	0.6	8.3	2.5	17.6	681.6	24.3	704.0		1.8
SMDH 00150	28.8	60.4	108.9	12.7	47.5355	7.95323	1.38114	5.7	0.9	4.8	1.1	2.5	0.3	2.6	0.3	23.7	2.7	5.9	203.3	24.3	1185.2	3.1	1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00150	22.2	48.3	95.9	12.2	40.5791	7.14638	1.38114	4.8	0.7	3.7	0.9	1.8	0.3	2.0	0.3	22.1	1.9	6.8	222.3	17.2	768.3		
SMDH 00150	22.8	66.8	129.7	16.3	54.4919	8.99061	1.38114	5.6	0.9	4.6	0.8	1.9	0.3	1.9	0.3	31.6	2.1	7.0	255.2	17.2	668.5		
SMDH 00150	21.3	22.8	43.3	6.5	22.0286	4.14951	1.38114	3.7	0.8	4.1	0.8	1.8	0.3	1.6	0.3	4.8	2.4	2.5	87.4	30.0	627.2		1.5
SMDH 00150	17.9	69.8	137.6	17.2	54.4919	8.64482	1.26605	5.4	0.7	3.3	0.7	1.7	0.3	1.5	0.3	32.8	2.2	6.0	199.6	17.2	826.9	1.4	
SMDH 00150	12.8	32.2	61.6	8.0	26.6662	3.68846	1.61133	2.9	0.3	2.2	0.3	1.1	0.3	1.0	0.3	12.8	0.9	3.1	101.3	12.9	568.6		
SMDH 00150	14.6	21.1	40.3	5.2	16.2316	2.88161	1.72643	2.3	0.3	2.1	0.3	1.3	0.3	1.3	0.3	7.6	0.9	2.1	62.0	10.0	324.0		1.7
SMDH 00150	35.6	33.1	71.7	9.5	35.9414	7.83797	2.07171	6.5	1.3	6.5	1.4	2.6	0.3	2.2	0.3	10.3	2.2	3.3	108.6	40.1	1061.2		
SMDH 00150	58.3	110.5	213.4	26.2	82.3175	13.4859	1.49624	9.9	1.8	10.2	1.9	5.1	1.1	5.2	0.9	41.1	3.9	7.0	271.4	30.0	1157.7	1.4	
SMDH 00150	48.3	95.2	194.0	21.0	69.5641	11.0654	1.15095	10.0	1.5	8.5	1.8	5.1	0.9	5.5	0.9	31.1	3.4	8.0	295.3	30.0	1342.9		
SMDH 00150	48.8	79.6	171.0	18.9	60.2889	11.5264	1.03586	10.2	1.5	8.1	1.7	4.7	0.8	5.0	0.8	30.1	3.5	7.2	286.0	24.3	1096.9		
SMDH 00150	43.2	76.2	156.6	16.9	59.1295	9.79746	0.92076	8.9	1.3	7.7	1.7	4.2	0.8	4.2	0.8	27.0	3.7	6.6	261.0	30.0	1269.1		
SMDH 00150	52.6	84.7	175.7	19.3	66.0859	12.3333	1.38114	10.5	1.6	9.3	2.1	5.5	0.9	5.2	0.8	29.1	3.9	7.2	278.8	22.9	1388.7	1.3	1.4
SMDH 00150	44.6	73.9	154.0	17.2	57.9701	10.028	1.49624	9.1	1.5	7.9	1.6	4.8	0.8	4.3	0.6	26.1	3.5	6.3	252.2	22.9	1195.3		
SMDH 00150	55.4	85.2	176.8	20.2	67.2453	12.3333	1.26605	9.7	1.8	9.7	2.2	5.8	0.9	5.3	0.8	31.6	3.8	7.5	288.5	24.3	1459.0		
SMDH 00150	51.5	90.3	188.2	21.0	69.5641	10.8348	1.03586	10.2	1.4	9.4	1.8	5.9	1.0	5.6	0.8	34.2	3.5	8.7	314.5	21.5	1202.3		1.5
SMDH 00150	60.6	75.1	161.3	18.5	66.0859	12.6791	1.61133	12.0	2.1	10.4	2.2	5.8	1.0	5.3	0.8	25.2	3.9	9.0	373.4	27.2	1230.6	0.7	
SMDH 00151	61.0	121.8	271.5	28.3	96.2303	17.4049	2.18681	12.0	1.8	9.6	1.9	5.1	0.9	6.3	0.9	47.1	3.5	14.7	652.6	22.9	1498.9	0.2	1.3
SMDH 00151	42.6	99.1	213.8	23.3	79.9987	14.0622	1.84152	9.9	1.4	7.1	1.4	3.5	0.7	4.1	0.6	40.1	3.2	12.1	524.0	18.6	997.2		
SMDH 00151	34.0	98.3	209.5	22.6	78.8393	13.3707	1.38114	8.8	1.2	5.4	0.9	2.3	0.3	2.4	0.3	41.2	3.2	11.1	520.1	11.4	685.8		
SMDH 00151	13.9	60.7	127.3	13.7	46.3761	7.49218	1.72643	4.9	0.6	2.6	0.3	1.1	0.3	1.4	0.3	24.0	1.4	3.7	167.0	11.4	404.1		1.7
SMDH 00151	10.3	95.6	202.2	21.5	74.2017	11.9875	1.61133	7.1	0.7	2.6	0.3	0.7	0.3	0.3	0.3	39.4	2.0	6.6	279.1	11.4	560.4	1.0	
SMDH 00151	6.1	67.4	136.0	14.7	49.8543	7.83797	1.72643	4.5	0.3	1.6	0.3	0.3	0.3	0.3	0.3	25.1	1.2	3.5	146.0	17.2	830.9		
SMDH 00151	13.3	133.8	281.0	30.6	104.346	16.3675	1.49624	9.3	0.9	3.3	0.3	1.1	0.3	1.3	0.3	55.4	2.9	8.7	366.6	8.6	834.1		1.5
SMDH 00151	8.7	114.1	240.1	26.1	89.2739	14.1775	1.38114	7.6	0.7	2.3	0.3	0.8	0.3	0.8	0.3	48.2	2.2	10.7	455.8	8.6	840.7		
SMDH 00151	7.2	117.0	242.6	27.0	91.5927	14.0622	1.72643	7.2	0.7	2.2	0.3	0.6	0.3	0.3	0.3	44.3	2.0	8.6	378.6	12.9	669.5	0.5	
SMDH 00151	9.4	84.8	178.8	19.6	67.2453	10.489	1.38114	5.8	0.6	2.6	0.3	0.7	0.3	0.3	0.3	32.9	1.9	13.6	574.5	14.3	726.7		1.5
SMDH 00151	6.2	62.2	131.4	14.8	51.0137	8.18376	1.61133	4.2	0.3	1.6	0.3	0.3	0.3	0.3	0.3	23.3	1.4	6.6	281.0	4.3	291.3		
SMDH 00151	12.9	71.7	151.8	17.2	57.9701	9.79746	1.26605	4.7	0.3	2.6	0.3	1.3	0.3	1.4	0.3	27.4	1.4	8.5	351.3	10.0	705.9		
SMDH 00151	13.3	69.2	148.0	16.6	56.8107	9.79746	1.26605	5.8	0.7	3.1	0.3	1.1	0.3	0.9	0.3	26.0	1.9	7.8	325.4	17.2	696.6		1.5
SMDH 00151	16.7	61.6	132.5	14.8	51.0137	8.76008	1.26605	5.3	0.6	3.3	0.6	1.6	0.3	1.9	0.3	22.7	2.1	10.5	443.7	17.2	811.0		
SMDH 00151	27.6	110.1	237.3	27.3	91.5927	16.137	1.61133	9.3	1.1	5.5	0.9	2.5	0.3	2.6	0.3	42.4	3.2	9.4	383.4	20.0	884.4		
SMDH 00151	31.1	85.5	185.0	20.8	71.8829	12.7943	1.84152	7.9	0.9	5.5	1.0	2.7	0.3	2.8	0.3	32.4	3.2	7.7	328.2	21.5	764.8		1.4
SMDH 00151	8.4	54.1	112.1	12.4	42.8979	7.37691	1.84152	4.4	0.3	2.1	0.3	0.7	0.3	0.3	0.3	20.9	1.2	3.1	132.4	14.3	573.0	0.2	
SMDH 00151	34.0	65.9	141.4	16.0	54.4919	10.1433	1.49624	6.5	0.9	5.4	1.1	3.2	0.6	3.9	0.7	26.0	2.9	6.7	269.2	28.6	908.0		
SMDH 00152	49.7	90.1	194.8	20.9	75.3611	13.3707	1.61133	8.9	1.2	7.8	1.7	3.7	0.9	4.8	0.6	31.6	2.5	14.2	638.0	21.5	1140.6		
SMDH 00152	23.7	47.7	99.1	11.4	38.2603	6.68533	1.15095	5.2	0.6	4.1	0.8	3.0	0.3	2.5	0.3	18.7	1.4	10.4	423.6	15.7	798.2		1.7
SMDH 00152	9.5	45.5	95.7	10.7	34.782	6.109	1.03586	3.9	0.3	1.9	0.3	0.9	0.3	0.8	0.3	17.3	1.1	6.4	270.2	15.7	637.7		
SMDH 00152	34.6	58.2	121.2	14.1	47.5355	8.52955	1.26605	6.5	0.9	5.6	1.1	4.1	0.3	3.9	0.3	21.5	1.7	11.1	435.0	20.0	1146.9		
SMDH 00152	28.6	87.4	182.2	21.6	64.9265	12.5638	1.15095	8.5	0.9	4.7	0.9	3.2	0.3	3.1	0.3	34.5	2.5	16.3	746.7	14.3	697.3	0.9	1.7
SMDH 00152	5.4	39.7	81.1	9.0	30.1444	4.8411	1.26605	3.1	0.3	1.0	0.3	0.3	0.3	0.3	0.3	15.1	0.7	4.8	207.6	18.6	738.6		
SMDH 00152	5.2	43.8	89.6	9.5	33.6226	5.41742	1.03586	3.0	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.9	0.9	6.3	269.9	12.9	559.2		
SMDH 00152	8.0	55.8	106.8	14.5	47.5355	8.0685	1.15095	4.0	0.3	1.8	0.3	0.6	0.3	0.3	0.3	23.5	1.5	10.0	467.0	27.2	826.7		1.6
SMDH 00152	9.9	47.7	99.1	12.0	39.4197	6.57006	1.61133	4.4	0.3	2.1	0.3	0.9	0.3	0.6	0.3	20.8	1.7	9.9	407.4	15.7	802.1	1.1	
SMDH 00152	7.2	42.6	85.7	10.4	33.6226	5.41742	1.61133	3.4	0.3	1.6	0.3	0.7	0.3	0.3	0.3	17.3	1.2	9.4	381.9	12.9	772.7		
SMDH 00152	8.4	45.1	88.0	11.2	33.6226	5.87848	1.72643	3.6	0.3	1.6	0.3	0.6	0.3	0.3	0.3	18.3	1.4	13.1	522.9	17.2	932.0		1.7
SMDH 00152	10.0	57.9	115.7	13.8	45.2167	7.26165	1.49624	4.4	0.3	2.1	0.3	0.9	0.3	0.7	0.3	22.5	1.5	10.8	445.5	18.6	968.9		
SMDH 00153	22.6	40.6	82.7	9.5	33.6226	5.18689	0.57548	3.7	0.6	3.3	0.8	1.8	0.3	2.0	0.3	16.2	1.3	6.5	308.0	10.0	436.8		
SMDH 00153	28.8	49.3	106.7	11.8	39.4197	7.49218	1.03586	4.8	0.7	4.5	1.0	2.4	0.3	3.1	0.3	18.6	1.5	10.3	489.4	21.5	706.6	1.3	1.3
SMDH 00153	38.4	77.9	164.0	19.1	66.0859	11.2959	1.95662	7.4	1.1	6.4	1.3	3.3	0.6	3.5	0.6	29.9	1.9	11.7	553.4	25.7	1333.6		
SMDH 00153	31.3	42.8	88.6	10.0	35.9414	5.87848	1.26605	4.1	0.7	4.7	1.0	2.6	0.3	3.1	0.3	15.0	1.3	6.3	271.2	18.6	943.0		
SMDH 00153	24.8	63.7	127.8	15.0	53.3325	8.41429	1.49624	5.5	0.8	4.1	0.8	2.3	0.3	2.5	0.3	22.8	1.3	5.9	264.5	15.7	855.6		1.5
SMDH 00153	24.7	60.0	120.8	13.8	47.5355	7.60744	1.26605	5.2	0.7	4.2	0.8	1.9	0.3	2.2	0.3	21.5	1.2	5.1	230.2	14.3	711.7	0.6	
SMDH 00153	25.2	52.2	108.1	12.2	42.8979	7.83797	1.38114	5.0	0.7	4.1	0.8	2.2	0.3	2.4	0.3	18.1	1.2	7.7	356.5	17.2	891.6		
SMDH 00153	26.6	75.1	155.9	17.9	62.6077	10.2585	1.38114	6.4	0.8	4.7	0.9	2.4	0.3	3.0	0.3	27.7	1.5	5.9	256.2	18.6	896.8		1.4
SMDH 00153	54.4	68.2	141.2	16.1	54.4919	9.6822	1.49624	6.8	1.2	8.0	1.7	4.7	0.8	5.0	0.7	24.3	2.1	9.9	475.2	24.3	863.3		
SMDH 00153	47.7	72.6	149.4	16.5	56.8107	9.56693	1.95662	6.9	1.1	7.6	1.6	3.5	0.8	4.2	0.3	22.9	1.9	9.3	416.5	28.6	929.7	0.3	
SMDH 00153	64.5	77.4	170.2	18.6	68.4047	12.5638	1.49624	9.7	1.5	10.9	2.2	4.7	0.9	4.7	0.3	25.9	2.6	11.7	534.4	38.6	1385.9		1.4
SMDH 00153	57.3	72.2	154.3	17.2	60.2889	10.7196	1.61133	8.4	1.3	9.5	1.9	4.0	0.8	4.5	0.3	24.3	2.7	9.2	402.7	32.9	1047.4		
SMDH 00153	66.3	70.7	147.4	16.0	57.9701	10.2585	1.84152	7.4	1.2	9.9	2.2	4.7	1.0	5.6	0.7	23.5	2.2	8.7	388.8	25.7	939.5		
SMDH 00153	55.1	73.2	152.2	16.3	57.9701	10.3738	1.72643	7.2	1.2	8.8	1.7	3.9	0.9	4.5	0.3	23.4	2.2	9.8	458.3	28.6	1005.6	0.2	1.5
SMDH 00154	38.9	83.1	162.2	19.3	68.4047	12.3333	1.61133	8.8	1.2	6.5	1.1	3.1	0.6	3.5	0.3	28.8	2.4	14.2	593.4	25.7	2392.9		
SMDH 00154	32.6	70.1	161.5	16.3	59.1295	10.9501	1.72643	8.4	1.2	7.1	1.3	3.5	0.6	3.6	0.3	28.5	2.2	12.1	497.5	30.0	3759.4		1.3
SMDH 00154	46.9	43.2	117.6	11.5	45.2167	10.7196	2.5321	8.6	1.4	9.0	1.7	4.7	0.8	4.7	0.6	13.9	1.5	10.5	430.6	28.6	4111.2		
SMDH 00154	83.6	34.7	78.7	11.3	49.8543	13.1401	3.79814	12.5	2.1	13.9	2.6	6.8	1.1	6.7	0.8	5.1	1.1	10.4	457.4	32.9	6841.4	0.3	
SMDH 00154	77.4	32.1	76.9	10.4	46.3761	11.757	3.56795	11.5	2.0	13.1	2.5	6.6	1.0	6.6	0.8	5.5	1.1	10.4	430.5	30.0	5882.0		1.8
SMDH 00154	75.2	32.4	75.7	10.2	46.3761	11.1806	3.33776	11.2	1.9	12.6	2.6	6.2	1.0	5.9	0.8	4.8	0.9	10.0	412.1	38.6	5986.9		
SMDH 00154	73.3	39.9	89.8	11.4	48.6949	11.8722	2.87738	10.2	1.6	12.0	2.5	6.5	1.0	6.7	0.9	9.2	1.1	9.1	384.4	31.5	4644.7		
SMDH 00154	47.0	95.2	195.2	22.1	79.9987	13.8317	1.61133	8.9	1.2	7.4	1.6	4.1	0.7	4.8	0.6	34.4	2.2	8.5	371.6	21.5	1022.0	0.3	1.6
SMDH 00154	49.6	77.3	158.8	18.0	64.9265	10.9501	1.49624	7.3	1.1	7.3	1.6	4.5	0.8	5.0	0.7	26.7	2.4	9.4	415.5	24.3	1055.4		
SMDH 00155	28.5	140.3	299.2	34.7	122.897	21.3239	0.57548	11.9	1.3	5.6	0.9	2.3	0.3	2.6	0.3	58.8	4.1	25.7	1097.0	11.4	1431.0		
SMDH 00155	24.0	76.4	178.1	18.0	67.2453	10.8348	0.92076	7.1	0.8	4.6	0.9	2.2	0.3	2.6	0.3	33.4	2.5	13.8	597.3	32.9	1758.2		1.4

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00155	34.6	80.8	159.9	18.7	69.5641	11.757	1.26605	7.8	0.9	5.8	1.1	3.0	0.3	3.2	0.3	28.7	2.0	10.5	459.7	34.3	1366.5	1.6	
SMDH 00155	30.9	83.7	171.6	19.3	68.4047	11.1806	1.49624	7.3	0.9	5.0	1.0	2.6	0.3	3.1	0.3	31.1	1.9	8.3	345.5	25.7	1038.5		
SMDH 00155	44.9	89.1	178.1	20.3	71.8829	12.6791	1.72643	7.6	1.2	6.8	1.5	4.3	0.8	5.1	0.7	30.0	2.2	7.9	341.2	24.3	876.7		1.5
SMDH 00155	37.8	70.6	146.0	16.7	56.8107	9.91272	1.38114	6.3	0.9	6.2	1.3	3.7	0.6	4.0	0.6	25.6	1.7	7.1	300.6	22.9	909.8		
SMDH 00155	25.0	61.0	123.7	14.2	49.8543	8.64482	1.26605	5.4	0.7	4.1	0.8	2.2	0.3	2.5	0.3	22.3	1.5	7.3	325.0	17.2	745.6	0.3	
SMDH 00155	27.5	74.1	153.3	17.2	60.2889	11.0654	1.38114	6.6	0.9	4.8	1.0	2.5	0.3	2.6	0.3	27.1	2.6	7.0	308.0	18.6	716.9		1.6
SMDH 00155	39.4	78.1	165.7	18.1	64.9265	11.9875	1.49624	7.0	0.9	6.4	1.4	4.0	0.7	4.5	0.7	27.4	1.8	9.0	380.1	20.0	918.2		
SMDH 00155	44.2	71.5	145.2	16.3	55.6513	9.91272	1.61133	6.2	0.9	6.6	1.5	4.6	0.7	4.9	0.8	24.4	1.5	8.6	375.8	18.6	938.8	0.1	1.6
SMDH 00155	23.1	62.7	126.6	14.2	49.8543	8.52955	1.72643	4.8	0.6	3.8	0.7	2.3	0.3	2.6	0.3	21.6	1.2	8.0	366.1	15.7	905.4		
SMDH 00155	48.7	86.0	167.3	19.6	67.2453	11.8722	1.72643	7.1	1.1	7.2	1.6	4.7	0.8	5.6	0.7	26.9	2.0	10.5	448.2	32.9	994.2		
SMDH 00155	14.6	39.4	75.7	8.5	27.8256	4.8411	1.72643	2.9	0.3	2.3	0.3	1.5	0.3	1.7	0.3	11.7	0.9	10.1	457.2	32.9	1285.0		1.5
SMDH 00155	33.2	77.8	160.9	18.1	61.4483	10.028	1.49624	6.1	0.8	5.4	1.0	3.1	0.3	3.5	0.3	27.0	1.7	9.2	396.1	18.6	1038.5	0.2	
SMDH 00155	41.3	73.2	145.1	14.7	57.9701	9.3364	1.38114	5.7	0.9	6.3	1.4	4.1	0.7	4.5	0.7	23.7	1.8	10.6	456.7	18.6	846.3		
SMDH 00155	41.3	73.2	145.1	14.7	57.9701	9.3364	1.38114	5.7	0.9	6.3	1.4	4.1	0.7	4.5	0.7	23.7	1.8	10.6	456.7	18.6	846.3		
SMDH 00156	33.3	130.6	305.4	31.6	113.621	20.056	0.92076	11.8	1.4	7.0	1.1	3.0	0.3	3.0	0.3	58.4	4.4	25.0	1086.3	11.4	645.9		
SMDH 00156	32.7	86.6	192.4	20.1	70.7235	13.1401	1.49624	8.1	1.1	6.1	1.0	2.9	0.3	3.0	0.3	33.7	2.7	12.1	555.0	17.2	852.1		1.6
SMDH 00156	46.1	90.3	191.1	22.1	74.2017	13.947	1.84152	9.7	1.5	8.4	1.5	4.0	0.7	4.5	0.7	37.4	3.1	9.1	453.5	22.9	925.5		
SMDH 00156	44.7	74.9	157.1	17.9	61.4483	11.6417	1.84152	9.6	1.2	7.3	1.5	3.9	0.6	4.3	0.7	28.8	2.1	9.9	437.9	21.5	812.2	0.7	
SMDH 00156	46.6	89.7	184.3	21.1	74.2017	13.4859	1.72643	9.1	1.3	7.3	1.5	4.0	0.7	4.3	0.6	35.5	2.4	9.6	430.0	21.5	845.6		1.5
SMDH 00156	26.1	100.8	207.9	24.4	83.4769	14.6386	1.72643	8.4	0.9	4.8	0.9	2.5	0.3	2.8	0.3	42.2	1.5	8.1	345.0	12.9	773.7		
SMDH 00156	28.0	100.8	211.1	24.1	85.7957	15.2149	1.49624	8.8	1.1	5.2	0.9	2.4	0.3	2.6	0.3	41.2	2.1	9.4	416.6	15.7	685.4		
SMDH 00156	25.0	83.8	171.2	19.8	70.7235	11.757	1.49624	7.4	0.9	4.9	0.9	2.3	0.3	2.3	0.3	33.4	1.9	9.1	384.0	25.7	840.9	0.9	1.5
SMDH 00156	23.6	62.4	130.2	15.1	52.1731	8.87535	1.61133	5.3	0.7	3.9	0.8	2.2	0.3	2.6	0.3	24.4	1.4	5.9	255.2	20.0	767.3		
SMDH 00156	35.2	76.7	160.9	18.9	67.2453	12.218	1.26605	7.8	0.9	5.6	1.1	3.4	0.7	4.3	0.7	32.4	2.0	7.1	304.5	17.2	698.0		
SMDH 00156	22.8	57.4	119.9	14.3	49.8543	8.87535	1.03586	6.1	0.7	3.9	0.7	1.8	0.3	2.0	0.3	22.3	1.7	6.1	270.2	24.3	741.2		1.4
SMDH 00156	29.9	66.6	140.8	16.2	57.9701	11.0654	1.49624	6.6	0.8	5.5	1.0	2.9	0.3	2.8	0.3	27.3	2.1	7.3	318.9	18.6	668.5	0.3	
SMDH 00156	37.4	57.9	121.8	14.2	49.8543	9.45167	1.26605	6.4	0.9	6.0	1.3	3.3	0.6	4.0	0.6	21.9	1.8	6.8	289.3	21.5	731.6		
SMDH 00156	29.5	63.0	121.5	14.8	52.1731	9.45167	1.49624	6.4	0.9	5.3	1.0	2.5	0.3	2.6	0.3	18.2	2.0	7.1	306.1	34.3	830.4		1.5
SMDH 00156	28.0	60.2	133.7	16.3	60.2889	13.8317	1.49624	10.7	1.4	6.4	0.9	2.2	0.3	2.4	0.3	19.1	2.4	7.7	333.1	37.2	1168.9		
SMDH 00157	22.7	108.0	236.5	26.7	98.5491	16.9438	0.80567	10.4	1.2	4.9	0.8	1.8	0.3	1.9	0.3	54.3	3.3	19.9	858.8	15.7	632.8	0.9	
SMDH 00157	25.7	80.6	177.6	20.1	71.8829	12.7943	1.49624	7.8	0.9	4.7	0.8	2.2	0.3	2.3	0.3	35.7	1.5	10.7	490.3	14.3	916.6		1.5
SMDH 00157	5.1	18.5	37.0	4.3	15.0722	2.65108	0.80567	1.6	0.3	0.9	0.3	0.3	0.3	0.6	0.3	8.6	0.7	10.3	437.5	11.4	927.1		
SMDH 00157	3.8	9.6	17.2	1.9	6.95641	0.92211	1.72643	0.8	0.3	0.7	0.3	0.3	0.3	0.3	0.3	1.7	0.3	3.4	155.3	11.4	702.4		
SMDH 00157	2.5	8.5	17.1	1.8	5.79701	0.92211	1.49624	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.2	0.3	7.0	332.7	11.4	752.6	0.6	1.6
SMDH 00157	3.8	18.2	35.0	4.0	13.9128	2.07476	1.38114	1.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	5.3	0.7	9.2	412.7	12.9	660.1		
SMDH 00157	9.3	75.8	156.3	18.0	62.6077	9.79746	1.49624	5.7	0.6	2.4	0.3	0.8	0.3	0.6	0.3	31.6	0.9	6.1	267.7	11.4	703.8		
SMDH 00157	14.4	53.7	106.5	13.1	45.2167	7.7227	1.26605	5.3	0.6	3.3	0.6	1.1	0.3	1.1	0.3	16.2	1.3	6.1	254.6	18.6	680.9		1.6
SMDH 00157	16.0	137.6	280.3	32.9	114.781	17.4049	1.26605	10.8	1.1	4.5	0.6	1.1	0.3	1.0	0.3	59.1	1.5	12.5	566.0	27.2	1109.1	0.6	
SMDH 00157	22.7	110.5	231.9	27.7	98.5491	17.6354	1.26605	10.8	1.3	5.3	0.8	1.9	0.3	1.8	0.3	52.6	1.9	9.2	431.4	11.4	831.3		
SMDH 00157	30.0	80.2	172.2	20.9	76.5205	13.1401	1.15095	9.9	1.3	6.1	1.1	2.4	0.3	2.6	0.3	38.4	1.9	8.6	387.3	17.2	931.6		1.5
SMDH 00157	30.2	70.1	150.6	17.8	62.6077	12.1027	1.26605	8.0	1.2	5.7	1.0	2.4	0.3	2.6	0.3	29.2	2.8	9.6	404.8	28.6	835.8		
SMDH 00157	27.8	56.7	115.4	14.2	48.6949	9.45167	1.15095	6.6	0.9	5.3	1.0	2.2	0.3	2.4	0.3	18.3	2.6	6.6	293.0	20.0	690.0	0.5	
SMDH 00157	10.5	68.3	141.9	16.3	59.1295	9.10587	1.61133	5.6	0.6	2.4	0.3	0.9	0.3	0.8	0.3	29.9	1.2	7.7	330.1	10.0	655.9		1.7
SMDH 00158	34.3	161.1	348.8	39.3	134.491	25.4734	1.38114	15.0	1.8	8.0	1.3	3.4	0.3	3.3	0.3	79.6	3.2	24.5	1075.9	18.6	909.8		
SMDH 00158	21.2	84.6	211.9	20.8	71.8829	13.4859	1.49624	8.1	1.1	4.7	0.8	1.9	0.3	1.9	0.3	45.2	1.8	10.5	457.9	20.0	958.7		
SMDH 00158	22.6	110.2	238.4	26.2	91.5927	16.5981	1.61133	10.8	1.1	5.0	0.8	2.2	0.3	1.9	0.3	52.6	1.8	9.4	437.7	18.6	998.6	0.6	1.5
SMDH 00158	31.7	112.4	244.3	26.9	95.0709	16.9438	1.72643	10.4	1.2	6.0	1.0	3.2	0.3	3.3	0.6	52.0	1.7	11.3	519.5	15.7	938.8		
SMDH 00158	18.4	105.2	231.2	23.5	84.6363	13.7164	1.38114	8.4	0.9	4.0	0.7	1.8	0.3	1.8	0.3	47.0	1.2	9.4	431.7	12.9	872.2		
SMDH 00158	20.8	116.6	245.3	28.3	97.3897	16.0217	1.49624	10.2	1.1	4.5	0.8	2.1	0.3	2.0	0.3	50.5	1.5	10.3	433.7	15.7	944.6	0.7	
SMDH 00158	20.8	87.3	179.9	19.9	70.7235	12.6791	1.38114	7.3	0.9	4.4	0.7	1.8	0.3	1.8	0.3	39.3	1.3	8.5	384.6	15.7	812.2		
SMDH 00158	17.4	68.2	140.6	15.6	53.3325	10.028	1.61133	6.3	0.7	3.6	0.6	1.6	0.3	1.5	0.3	29.6	1.4	8.5	390.8	21.5	874.3		1.6
SMDH 00158	13.1	56.0	118.3	13.2	46.3761	8.29903	1.49624	5.2	0.6	2.7	0.3	1.4	0.3	1.3	0.3	26.5	1.1	9.0	417.1	18.6	885.5		
SMDH 00158	9.3	63.9	135.1	14.4	53.3325	9.56693	1.61133	5.2	0.6	2.3	0.3	0.9	0.3	0.7	0.3	27.3	0.8	4.2	189.1	14.3	748.0	0.3	
SMDH 00158	13.4	89.0	189.4	20.8	71.8829	13.947	1.61133	8.1	0.8	3.2	0.3	1.0	0.3	1.0	0.3	41.5	1.7	11.7	521.5	10.0	597.1		1.6
SMDH 00158	5.3	40.9	84.0	8.8	30.1444	5.07163	1.84152	3.3	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.1	0.7	9.4	427.1	17.2	996.5		
SMDH 00158	7.6	97.9	205.9	22.1	76.5205	13.6012	1.72643	7.7	0.7	2.2	0.3	0.6	0.3	0.3	0.3	41.1	1.4	10.7	498.4	17.2	1051.9		
SMDH 00158	6.2	87.5	192.0	14.4	54.4919	11.4112	1.49624	4.8	0.3	1.6	0.3	0.3	0.3	0.3	0.3	26.0	0.8	9.6	428.3	17.2	983.2	0.4	1.5
SMDH 00158	6.3	53.8	108.8	12.1	42.8979	7.03112	1.38114	4.4	0.3	1.7	0.3	0.6	0.3	0.3	0.3	25.3	0.8	9.8	438.2	8.6	574.9		
SMDH 00158	11.2	130.2	268.8	29.1	100.868	16.8286	1.72643	9.7	0.9	3.4	0.3	0.9	0.3	0.6	0.3	53.8	1.2	11.8	510.7	22.9	1093.2		1.7
SMDH 00159	61.1	254.1	552.3	67.3	241.156	34.6945	1.61133	25.4	2.6	12.8	2.2	5.0	0.7	5.1	0.7	125.3	5.5	34.1	1588.3	14.3	417.4		
SMDH 00159	37.4	114.5	264.4	29.4	103.187	14.2928	1.95662	11.2	1.2	7.6	1.5	3.7	0.6	3.8	0.6	51.7	2.2	7.5	343.6	21.5	792.6		
SMDH 00159	44.0	111.1	232.7	28.0	97.3897	15.4454	2.07171	11.3	1.3	7.7	1.6	3.9	0.6	4.3	0.6	49.2	2.2	9.4	423.1	18.6	526.0		1.3
SMDH 00159	45.2	148.2	304.9	37.2	129.853	19.4797	2.30191	14.4	1.6	9.0	1.7	3.9	0.7	3.4	0.3	60.8	2.1	9.9	462.9	42.9	699.4	1.7	
SMDH 00159	7.5	53.5	104.4	12.1	38.2603	7.03112	2.18681	3.8	0.3	1.6	0.3	0.9	0.3	0.6	0.3	18.2	0.6	6.4	274.9	17.2	595.4		
SMDH 00159	29.7	124.9	261.5	31.9	99.7085	19.0186	1.72643	11.6	1.4	6.2	1.0	3.4	0.3	2.8	0.3	51.9	1.8	14.2	557.9	20.0	710.1		1.5
SMDH 00159	33.7	136.7	282.5	33.6	110.143	18.0965	1.61133	12.5	1.4	6.4	1.3	4.0	0.3	3.6	0.3	56.7	1.9	12.1	459.5	15.7	692.6		
SMDH 00159	24.7	126.3	275.5	32.3	99.7085	18.0965	1.61133	11.5	1.2	5.0	0.9	2.7	0.3	2.3	0.3	51.9	1.7	10.7	474.5	18.6	939.5	1.4	
SMDH 00159	13.3	72.5	148.6	18.3	57.9701	10.2585	1.49624	6.0	0.8	2.6	0.3	1.4	0.3	1.1	0.3	28.2	0.8	9.2	371.2	12.9	941.6		
SMDH 00159	32.6	125.1	268.7	32.8	106.665	20.1712	1.61133	12.3	1.6	6.4	1.3	3.7	0.3	2.5	0.3	53.7	1.5	12.7	467.8	17.2	747.7		
SMDH 00159	23.4	113.7	238.4	28.5	91.5927	16.0217	1.84152	9.9	1.3	5.3	0.9	2.3	0.3	2.3	0.3	47.9	1.3	10.8	408.3	21.5	692.6		
SMDH 00159	36.8	141.8	296.4	35.7	111.303	21.2086	1.61133	12.9	1.6	6.9	1.5	4.1	0.6	3.8	0.3	59.5	1.8	13.1	527.9	15.7	1173.3	0.8	1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00159	34.0	131.3	273.8	32.9	104.346	19.3644	1.72643	11.7	1.3	6.0	1.3	3.9	0.3	3.9	0.6	54.3	1.7	11.6	431.7	14.3	712.4		
SMDH 00159	18.6	94.7	196.2	22.8	82.3175	11.6417	1.72643	7.3	0.7	3.7	0.7	1.5	0.3	1.8	0.3	39.7	1.2	15.1	507.9	17.2	1119.6		
SMDH 00159	17.7	104.1	219.2	25.2	88.1145	12.1027	1.61133	8.1	0.8	4.0	0.6	1.4	0.3	1.4	0.3	42.7	1.5	21.9	823.2	20.0	974.8		1.6
SMDH 00159	24.2	122.0	256.1	29.5	100.868	13.4859	1.72643	10.1	1.1	4.2	0.9	2.1	0.3	2.2	0.3	48.0	1.4	14.3	472.4	18.6	906.8	0.5	
SMDH 00160	24.2	79.8	167.8	18.4	63.7671	10.6043	0.69057	6.9	0.8	4.5	0.8	2.7	0.3	2.4	0.3	34.8	1.8	11.7	559.1	21.5	483.5	0.4	
SMDH 00160	32.3	106.1	226.2	24.1	84.6363	13.8317	1.49624	9.2	1.2	6.3	1.1	3.3	0.3	3.0	0.3	46.4	2.0	13.9	620.0	18.6	792.6		
SMDH 00160	29.5	108.7	219.7	25.1	84.6363	14.1775	1.61133	9.4	1.2	5.6	1.0	3.4	0.3	2.7	0.3	43.3	1.2	7.5	340.4	14.3	752.6		1.4
SMDH 00160	15.8	64.6	135.4	14.7	52.1731	8.41429	1.61133	5.4	0.6	3.1	0.6	1.8	0.3	1.5	0.3	24.5	0.8	7.3	340.8	12.9	681.1		
SMDH 00160	17.0	95.7	201.0	21.5	74.2017	11.8722	1.49624	7.1	0.8	3.2	0.6	1.8	0.3	1.6	0.3	36.7	0.9	7.9	362.4	14.3	769.4		1.7
SMDH 00160	31.6	185.3	407.6	48.6	100.868	14.0622	1.38114	8.7	0.9	4.8	0.9	2.7	0.3	2.4	0.3	69.2	1.2	9.6	413.8	14.3	975.5		
SMDH 00160	15.2	103.7	217.3	23.5	83.4769	12.7943	1.38114	7.1	0.8	3.3	0.6	1.5	0.3	1.1	0.3	39.5	1.2	11.2	510.5	15.7	950.2	0.3	
SMDH 00160	16.9	125.2	257.6	29.8	100.868	15.2149	1.61133	9.2	0.8	3.6	0.6	1.4	0.3	1.3	0.3	49.4	1.3	9.8	411.6	10.0	744.2		
SMDH 00160	25.0	127.9	266.7	29.8	102.027	15.9065	1.72643	9.5	1.1	4.7	0.9	2.4	0.3	2.7	0.3	51.7	1.3	8.4	373.4	12.9	746.3		
SMDH 00160	21.9	116.1	244.7	26.9	92.7521	14.9844	1.61133	8.5	0.9	4.1	0.8	2.1	0.3	2.0	0.3	46.2	1.2	8.4	356.3	10.0	681.1	0.3	1.7
SMDH 00161	48.8	120.5	240.2	27.6	93.9115	17.2896	1.38114	11.5	1.4	8.2	1.6	4.1	0.7	4.3	0.8	47.9	3.3	24.5	1072.5	15.7	824.1		
SMDH 00161	34.2	108.2	255.2	25.5	85.7957	14.8691	1.61133	8.9	1.2	6.2	1.3	3.4	0.6	3.6	0.6	48.8	2.6	15.4	655.1	21.5	1057.5		
SMDH 00161	25.5	95.8	196.7	22.7	78.8393	12.9096	1.61133	8.2	1.1	4.9	0.9	2.3	0.3	2.0	0.3	40.3	1.8	9.8	423.2	15.7	1030.1		1.6
SMDH 00161	50.8	101.4	200.4	25.6	86.9551	15.2149	1.72643	10.2	1.3	8.1	1.7	4.6	0.8	4.3	0.7	40.4	2.2	9.7	396.5	22.9	937.2	0.7	
SMDH 00161	32.1	93.1	197.4	22.3	76.5205	13.1401	1.72643	9.1	1.1	5.8	1.1	3.0	0.3	2.7	0.3	39.3	2.1	9.2	381.3	21.5	901.9		
SMDH 00161	42.6	127.4	246.1	30.4	103.187	16.7133	2.07171	10.8	1.4	7.7	1.6	3.5	0.6	3.9	0.6	41.2	2.5	9.9	438.5	42.9	988.1		1.6
SMDH 00161	36.1	93.3	194.4	23.1	79.9987	12.9096	1.61133	8.7	1.2	6.3	1.3	3.2	0.6	3.4	0.6	37.2	2.1	15.4	674.6	30.0	1185.7		
SMDH 00161	25.5	67.8	137.1	16.3	57.9701	9.91272	1.72643	6.4	0.8	4.8	0.9	2.1	0.3	2.4	0.3	23.1	1.5	5.7	248.4	24.3	876.7	0.4	
SMDH 00161	36.0	100.0	198.5	22.9	77.6799	11.6417	1.38114	7.7	1.1	6.2	1.3	3.0	0.3	3.3	0.3	36.6	1.8	12.6	551.3	18.6	906.1		1.7
SMDH 00161	42.2	113.2	222.6	25.5	86.9551	11.9875	1.26605	8.1	1.2	7.3	1.6	4.0	0.7	4.4	0.7	38.2	1.5	13.3	575.3	11.4	817.8		
SMDH 00161	47.9	144.7	287.6	33.3	112.462	15.9065	1.72643	10.7	1.4	8.2	1.7	4.1	0.7	4.5	0.8	53.5	1.5	13.7	595.7	21.5	958.7		
SMDH 00161	41.1	164.8	315.5	37.6	128.694	19.2491	2.07171	12.1	1.4	7.7	1.6	3.8	0.6	4.1	0.7	57.5	2.0	14.2	601.1	20.0	1082.7	0.4	1.7
SMDH 00161	31.7	111.0	216.3	24.6	85.7957	11.5264	1.49624	7.6	0.9	5.5	1.1	3.0	0.3	3.1	0.3	39.6	1.7	13.3	577.2	14.3	822.0		
SMDH 00161	31.7	111.0	216.3	24.6	85.7957	11.5264	1.49624	7.6	0.9	5.5	1.1	3.0	0.3	3.1	0.3	39.6	1.7	13.3	577.2	14.3	822.0		
SMDH 00162	32.1	114.8	239.3	29.5	104.346	14.6386	1.26605	10.7	1.3	6.0	1.1	2.9	0.3	3.5	0.3	52.1	2.8	41.3	1450.8	14.3	644.0		
SMDH 00162	32.1	109.4	220.1	27.5	93.9115	14.0622	2.07171	10.3	1.2	5.8	1.3	2.6	0.3	3.1	0.3	43.3	2.1	19.9	681.7	18.6	1131.3		
SMDH 00162	20.3	98.6	200.1	23.8	83.4769	12.218	1.72643	8.4	0.9	4.5	0.8	1.5	0.3	1.5	0.3	39.4	1.8	16.9	584.6	15.7	791.6		
SMDH 00162	36.6	107.2	225.6	26.2	91.5927	14.9844	1.61133	10.9	1.3	6.9	1.4	3.2	0.6	3.9	0.3	43.8	2.8	14.2	512.9	20.0	851.2	1.3	
SMDH 00162	42.7	104.6	218.8	25.8	91.5927	14.408	1.49624	10.9	1.5	7.7	1.5	3.4	0.6	3.9	0.3	42.8	2.5	15.4	512.9	18.6	838.8		
SMDH 00162	49.0	120.3	240.1	29.8	104.346	15.7912	2.07171	11.7	1.5	8.5	1.7	4.1	0.7	5.0	0.6	44.1	2.4	19.0	641.5	35.8	965.9		
SMDH 00162	37.6	123.2	253.4	29.1	88.1145	15.5607	2.07171	11.8	1.4	8.1	1.6	4.0	0.6	3.8	0.3	41.5	2.2	10.5	454.7	45.8	992.3		
SMDH 00162	47.3	97.9	205.9	23.1	74.2017	13.2554	1.84152	10.0	1.4	8.0	1.7	5.0	0.8	4.8	0.6	40.3	2.2	9.0	417.1	31.5	730.0	0.9	1.5
SMDH 00162	47.5	93.9	199.2	22.9	71.8829	13.1401	1.84152	10.8	1.4	8.4	1.7	4.8	0.8	4.7	0.7	34.9	2.2	9.2	415.9	31.5	755.9		
SMDH 00162	34.1	107.9	229.0	26.3	81.1581	14.408	1.95662	11.0	1.2	6.0	1.3	3.7	0.6	3.4	0.3	42.4	1.9	7.8	360.7	21.5	680.9		
SMDH 00162	43.5	99.8	216.3	24.4	76.5205	13.1401	1.61133	11.2	1.3	7.2	1.7	4.9	0.8	5.0	0.7	39.7	2.4	9.6	435.9	27.2	897.2		1.7
SMDH 00162	37.9	78.9	163.3	19.8	67.2453	11.8722	1.38114	8.0	1.2	6.3	1.5	4.5	0.6	4.0	0.7	34.9	1.9	8.6	359.4	27.2	764.8	0.8	
SMDH 00162	38.1	76.4	159.7	19.8	67.2453	13.0249	1.38114	8.4	1.1	6.3	1.5	4.3	0.6	4.1	0.8	32.4	2.0	10.1	396.1	21.5	666.9		
SMDH 00162	36.6	77.6	162.2	19.9	67.2453	12.4485	1.49624	8.1	1.1	6.3	1.4	4.1	0.6	3.6	0.6	34.8	1.9	8.1	326.4	22.9	743.5		1.8
SMDH 00162	46.1	95.5	202.1	25.3	83.4769	14.7538	1.38114	10.5	1.4	8.4	1.8	5.2	0.7	4.4	0.7	42.6	2.8	11.6	471.8	25.7	941.1		
SMDH 00162	42.2	89.8	188.5	24.1	79.9987	14.0622	1.26605	9.5	1.3	7.8	1.6	4.5	0.6	3.6	0.7	41.3	3.2	8.3	359.2	27.2	1115.4	0.8	
SMDH 00163	46.8	149.0	309.4	34.3	122.897	22.1307	1.26605	13.6	1.6	8.6	1.7	4.1	0.7	4.4	0.7	59.5	4.2	30.8	1276.5	20.0	659.0		
SMDH 00163	42.7	105.3	183.6	23.5	82.3175	14.6386	1.95662	9.9	1.3	7.0	1.5	3.5	0.6	3.4	0.3	34.2	1.9	10.8	458.9	17.2	805.9		1.6
SMDH 00163	14.3	36.2	72.1	8.4	28.985	4.8411	0.69057	3.6	0.3	2.5	0.3	1.1	0.3	1.4	0.3	13.6	0.8	4.2	176.1	10.0	330.5	0.9	
SMDH 00163	22.9	124.1	255.1	28.8	100.868	17.0591	1.61133	10.3	1.2	5.2	0.8	1.7	0.3	1.5	0.3	47.1	2.0	11.4	467.9	20.0	1052.3		
SMDH 00163	28.3	91.1	187.1	21.3	74.2017	13.4859	1.26605	8.4	1.1	5.0	1.0	2.4	0.3	2.4	0.3	35.1	2.0	8.3	355.0	18.6	987.4		1.7
SMDH 00163	40.6	122.4	252.4	28.1	100.868	17.7507	1.72643	11.6	1.3	7.2	1.5	3.5	0.6	3.5	0.6	48.2	2.9	11.9	487.4	21.5	1084.8		
SMDH 00163	67.0	96.4	200.3	24.6	83.4769	14.8691	1.61133	10.4	1.5	9.9	1.9	8.4	0.9	6.4	0.9	38.8	2.5	10.6	431.3	22.9	1179.9		1.6
SMDH 00163	43.1	102.6	210.4	25.1	89.2739	15.2149	1.72643	9.9	1.3	7.6	1.5	3.7	0.6	3.6	0.3	40.0	2.1	11.4	559.6	22.9	988.1		
SMDH 00163	36.1	62.9	128.9	15.3	53.3325	8.99061	1.03586	6.1	0.8	5.5	1.3	3.3	0.6	3.5	0.3	24.0	1.5	9.7	415.8	17.2	815.7		
SMDH 00163	36.8	80.6	164.6	19.1	68.4047	10.489	1.15095	6.9	0.9	5.8	1.3	3.4	0.6	4.0	0.6	32.6	1.7	11.6	508.6	15.7	845.1	0.4	1.6
SMDH 00163	40.0	91.6	188.5	21.9	78.8393	13.1401	1.61133	8.9	1.2	6.6	1.4	3.4	0.6	3.4	0.3	35.4	2.8	11.2	506.1	22.9	939.7		
SMDH 00163	44.7	88.8	183.0	21.1	75.3611	13.0249	1.61133	8.4	1.2	7.1	1.5	3.9	0.7	4.0	0.3	35.2	2.9	10.6	469.3	22.9	893.5		
SMDH 00163	29.9	66.6	136.9	16.3	56.8107	9.79746	1.61133	6.3	0.8	5.3	1.0	2.6	0.3	2.7	0.3	26.0	2.1	7.5	325.5	15.7	611.8		1.6
SMDH 00163	40.4	75.6	154.2	18.1	62.6077	10.9501	1.61133	7.7	0.9	6.3	1.4	3.8	0.7	4.1	0.6	28.6	2.4	7.4	357.2	27.2	786.3	0.3	
SMDH 00163	43.7	83.1	177.3	19.9	71.8829	12.7943	1.61133	8.4	1.2	7.1	1.6	4.0	0.7	4.2	0.6	32.5	3.1	11.2	477.6	24.3	826.2		
SMDH 00164	36.6	124.4	262.1	33.4	115.94	18.5575	1.38114	11.5	1.5	7.3	1.4	3.8	0.6	3.5	0.7	56.4	3.9	22.5	890.9	17.2	1139.0		
SMDH 00164	31.3	88.8	183.3	23.2	81.1581	13.7164	1.49624	9.3	1.2	6.4	1.1	3.4	0.3	3.1	0.3	38.5	2.5	10.3	444.1	27.2	873.4		
SMDH 00164	32.3	69.0	142.0	17.9	61.4483	10.3738	1.26605	7.8	1.1	5.8	1.1	3.7	0.6	3.2	0.7	29.3	2.2	7.5	310.4	27.2	640.3	1.6	
SMDH 00164	21.4	46.9	92.1	11.3	35.9414	7.7227	1.26605	5.2	0.7	4.2	0.7	2.2	0.3	1.8	0.3	17.3	1.3	5.1	215.3	20.0	699.8		
SMDH 00164	34.6	75.9	151.4	18.4	60.2889	12.1027	1.72643	8.9	1.1	6.5	1.4	3.8	0.3	2.8	0.3	29.6	2.5	9.7	395.2	24.3	925.5		
SMDH 00164	14.6	42.3	85.0	10.4	33.6226	6.68533	1.61133	4.8	0.3	3.1	0.6	1.5	0.3	1.4	0.3	17.4	1.2	5.0	228.6	15.7	667.1		1.5
SMDH 00164	31.9	81.3	161.5	19.5	71.8829	11.9875	1.49624	8.9	1.1	5.5	1.1	3.7	0.3	3.3	0.3	34.2	2.4	6.6	284.2	20.0	873.2	0.9	
SMDH 00164	26.5	67.1	132.8	16.2	57.9701	9.79746	1.72643	7.6	0.9	5.3	0.9	2.7	0.3	2.5	0.3	26.0	2.0	6.4	269.5	22.9	1020.3		
SMDH 00164	26.5	76.4	153.3	18.3	63.7671	10.6043	1.38114	8.4	0.9	5.3	0.8	2.4	0.3	2.5	0.3	31.0	2.4	6.4	260.0	22.9	925.5		1.4
SMDH 00164	17.2	101.6	200.4	23.8	83.4769	13.3707	1.49624	10.5	1.1	4.1	0.7	1.4	0.3	0.9	0.3	39.1	2.6	6.5	270.2	18.6	892.8		
SMDH 00164	20.0	88.0	177.5	21.5	74.2017	13.1401	1.95662	9.4	0.9	4.6	0.8	2.1	0.3	1.9	0.3	32.8	2.6	6.5	253.7	25.7	932.0	0.7	
SMDH 00164	27.1	76.1	152.4	18.1	60.2889	12.218	1.38114	8.9	1.1	5.3	0.8	2.6	0.3	2.0	0.3	29.9	2.5	9.8	377.5	25.7	1075.9		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00164	44.1	107.3	216.7	24.4	85.7957	15.9065	1.84152	12.0	1.4	8.5	1.5	3.7	0.6	3.6	0.3	39.6	4.1	9.3	423.1	34.3	1099.7		
SMDH 00164	58.0	96.8	197.0	22.6	78.8393	14.408	1.84152	11.1	1.5	9.9	2.1	5.2	0.9	5.9	0.8	37.1	4.4	10.4	437.8	31.5	1080.8		
SMDH 00164	78.4	137.2	287.3	32.7	117.1	19.7102	1.84152	17.4	2.2	14.0	2.6	7.2	1.4	9.0	1.2	56.0	5.4	9.8	437.1	31.5	1146.7	1.8	
SMDH 00165	43.1	194.7	391.7	47.0	162.316	27.6634	1.61133	16.5	1.9	8.6	1.6	4.1	0.7	4.1	0.6	77.0	4.8	25.4	1106.8	17.2	515.1		1.3
SMDH 00165	18.1	64.9	133.4	15.6	54.4919	9.45167	1.15095	5.5	0.7	3.3	0.7	1.7	0.3	1.7	0.3	26.6	1.7	11.0	484.3	17.2	694.9		
SMDH 00165	14.6	55.1	111.1	13.1	44.0573	7.49218	0.80567	4.9	0.3	2.7	0.6	1.5	0.3	1.6	0.3	21.6	1.8	9.7	407.4	15.7	703.1	0.8	
SMDH 00165	24.2	73.6	150.7	17.7	61.4483	10.8348	1.03586	6.9	0.8	4.5	0.9	2.6	0.3	3.0	0.3	30.5	2.5	11.2	497.1	15.7	801.2		1.4
SMDH 00165	18.5	57.9	119.4	14.1	48.6949	8.29903	1.15095	5.2	0.7	3.2	0.7	1.7	0.3	1.9	0.3	23.8	1.5	9.8	425.2	17.2	874.8		
SMDH 00165	13.7	46.5	92.5	10.8	37.1009	6.4548	1.26605	3.7	0.3	2.3	0.3	1.3	0.3	1.4	0.3	17.5	1.1	8.3	366.9	12.9	688.9		
SMDH 00165	10.3	21.2	41.3	4.7	16.2316	2.88161	1.49624	1.7	0.3	1.5	0.3	1.1	0.3	1.4	0.3	7.0	0.8	7.8	351.1	14.3	709.2	0.6	1.5
SMDH 00165	23.4	28.2	58.6	7.1	24.3474	4.38004	1.61133	2.9	0.3	3.2	0.8	2.3	0.3	3.1	0.3	10.4	1.2	5.7	221.4	15.7	692.8		
SMDH 00165	26.4	35.4	72.3	8.5	28.985	5.41742	1.72643	3.4	0.3	3.4	0.9	2.9	0.3	3.5	0.3	14.4	1.1	4.7	220.6	14.3	541.7		
SMDH 00166	37.6	163.4	323.0	38.2	139.128	22.9376	1.26605	14.7	1.6	8.2	1.4	3.3	0.3	3.0	0.3	70.0	4.5	15.9	692.3	12.9	478.4		1.4
SMDH 00166	14.8	60.8	125.6	14.5	49.8543	9.3364	1.84152	5.5	0.7	3.2	0.3	1.3	0.3	1.3	0.3	24.6	1.4	6.3	262.9	12.9	582.6	0.8	
SMDH 00166	22.7	48.7	98.4	11.4	40.5791	7.26165	1.26605	5.3	0.7	4.0	0.8	2.1	0.3	1.9	0.3	17.4	1.7	14.7	722.3	18.6	797.2		
SMDH 00166	33.8	31.7	67.2	8.4	30.1444	6.91585	1.38114	6.1	1.1	6.0	1.1	2.7	0.3	1.9	0.3	8.1	1.7	5.9	255.4	30.0	1093.4		1.5
SMDH 00166	13.9	54.1	111.3	12.9	45.2167	8.52955	1.26605	5.7	0.6	3.0	0.3	1.3	0.3	0.8	0.3	21.3	1.8	6.3	261.9	20.0	740.0		
SMDH 00166	13.1	31.1	65.1	7.4	25.5068	4.95636	0.92076	3.6	0.3	2.5	0.3	1.1	0.3	1.0	0.3	11.5	0.9	3.9	174.3	14.3	609.2		
SMDH 00166	27.0	61.6	134.6	16.5	55.6513	10.3738	1.61133	7.1	0.8	5.2	0.9	2.2	0.3	1.9	0.3	24.0	1.5	11.6	521.5	25.7	951.4		1.5
SMDH 00166	22.1	51.7	109.4	12.4	45.2167	8.87535	1.72643	5.6	0.7	4.0	0.7	1.9	0.3	1.6	0.3	19.1	1.3	7.3	324.2	21.5	1030.1		
SMDH 00166	67.7	106.5	223.2	26.2	91.5927	17.0591	2.30191	12.1	1.8	11.1	2.3	5.8	1.0	6.6	0.9	45.9	3.2	7.3	320.1	28.6	855.6		
SMDH 00166	55.5	96.0	202.4	22.7	82.3175	14.8691	1.49624	9.9	1.4	9.2	1.9	5.5	0.9	5.9	0.8	43.7	3.8	9.1	356.3	24.3	986.0	0.7	1.5
SMDH 00166	36.0	73.4	153.1	17.5	62.6077	11.2959	1.26605	7.2	1.1	6.2	1.3	3.2	0.6	3.5	0.3	29.6	2.4	6.7	288.8	20.0	962.9		
SMDH 00166	51.1	99.3	207.6	23.8	84.6363	16.0217	1.26605	10.5	1.4	8.7	1.7	4.5	0.8	4.7	0.7	43.0	3.2	7.5	321.0	28.6	1162.6		
SMDH 00166	51.2	103.6	209.1	23.8	83.4769	14.5233	1.03586	9.7	1.3	8.2	1.7	4.5	0.9	5.5	0.8	43.6	3.8	9.8	410.1	27.2	1139.5		1.5
SMDH 00166	61.2	102.9	209.5	23.9	82.3175	14.7538	0.92076	10.1	1.4	9.9	2.1	5.7	1.0	6.6	1.0	45.5	3.8	7.5	324.9	32.9	1053.3	0.7	
SMDH 00166	110.1	85.5	173.6	21.0	75.3611	13.6012	0.92076	10.4	2.0	15.0	3.5	9.9	1.8	12.0	1.7	35.0	3.2	10.5	470.8	27.2	1095.3		
SMDH 00166	45.9	70.7	132.8	15.4	53.3325	9.91272	1.49624	7.0	1.1	7.1	1.5	4.6	0.8	5.6	0.9	24.4	1.9	8.0	311.1	22.9	806.1		1.4
SMDH 00166	48.7	125.5	246.5	28.0	97.3897	17.6354	1.38114	11.2	1.5	8.9	1.6	4.6	0.8	5.6	0.9	52.1	3.1	12.6	488.2	24.3	1086.2		
SMDH 00166	24.6	155.8	314.9	36.7	127.534	23.0528	1.95662	13.6	1.5	6.5	0.9	1.7	0.3	1.1	0.3	71.1	4.1	11.3	436.6	15.7	871.8	0.4	
SMDH 00166	22.6	113.9	226.2	26.3	93.9115	16.8286	1.49624	10.1	1.2	5.8	0.7	1.5	0.3	1.0	0.3	48.2	2.9	9.0	336.6	14.3	764.5		1.7
SMDH 00167	28.1	69.1	133.5	15.1	53.3325	9.6822	0.92076	6.1	0.8	5.2	0.9	2.4	0.3	2.5	0.3	27.3	3.5	9.8	391.9	14.3	488.4		
SMDH 00167	44.0	87.3	169.4	19.2	68.4047	12.3333	1.84152	8.5	1.3	7.9	1.4	3.9	0.7	4.3	0.7	31.8	4.2	11.2	415.6	21.5	824.1		
SMDH 00167	53.6	76.6	149.0	16.8	60.2889	11.6417	1.95662	8.4	1.3	8.6	1.6	4.7	0.8	5.3	0.8	24.5	3.9	9.6	379.3	21.5	829.9	1.0	1.4
SMDH 00167	41.1	52.9	100.5	11.3	40.5791	7.7227	1.38114	5.8	0.9	6.3	1.3	3.5	0.6	3.9	0.7	18.1	3.3	5.4	204.4	18.6	671.1		
SMDH 00167	51.2	71.1	134.0	15.3	54.4919	10.2585	1.61133	7.1	1.2	8.5	1.5	4.7	0.8	4.9	0.9	23.8	3.8	7.8	286.2	27.2	1000.7		1.6
SMDH 00167	51.6	60.3	114.9	13.1	45.2167	8.87535	1.72643	6.3	1.2	8.2	1.5	4.2	0.7	4.4	0.7	19.8	3.5	6.5	249.9	20.0	822.0	0.8	
SMDH 00167	61.6	85.9	166.5	18.5	64.9265	11.5264	1.84152	8.8	1.4	10.5	1.8	5.0	0.9	5.7	0.9	29.3	4.5	9.8	369.4	28.6	1100.0		
SMDH 00167	50.6	67.3	133.1	14.8	51.0137	9.6822	1.72643	7.2	1.2	8.2	1.5	4.1	0.8	5.0	0.8	22.0	3.8	13.3	495.2	21.5	730.7		1.5
SMDH 00167	74.8	74.5	149.5	17.3	62.6077	12.6791	1.72643	10.0	1.9	12.5	2.3	5.8	0.9	5.9	1.0	21.0	4.0	9.2	362.8	31.5	955.1		
SMDH 00167	53.6	77.8	146.5	16.0	53.3325	9.56693	1.61133	7.6	1.2	8.6	1.6	4.9	0.8	5.6	0.9	26.6	4.2	8.1	328.6	24.3	951.2	0.6	
SMDH 00167	62.5	89.7	170.5	19.2	66.0859	13.8317	1.72643	9.4	1.6	10.9	1.8	5.1	0.9	6.0	1.0	30.1	4.8	9.7	364.9	30.0	1217.2		1.5
SMDH 00167	31.8	73.9	149.5	16.1	54.4919	9.22114	1.15095	6.1	0.9	5.4	1.0	2.7	0.3	3.3	0.6	26.3	3.8	16.2	653.0	20.0	895.6		
SMDH 00167	42.3	64.9	134.8	14.9	51.0137	10.028	1.61133	6.3	1.1	7.2	1.4	3.9	0.7	5.0	0.7	22.8	3.4	13.8	538.0	24.3	894.2		
SMDH 00167	48.4	70.4	147.6	16.6	56.8107	10.7196	1.72643	8.4	1.3	8.1	1.6	4.2	0.8	5.2	0.8	24.2	3.5	11.8	449.7	20.0	732.3	0.8	1.5
SMDH 00167	52.5	74.8	154.1	17.4	60.2889	11.9875	1.61133	8.2	1.3	8.8	1.6	4.3	0.7	5.0	0.7	26.1	4.0	12.6	523.0	20.0	767.1		
SMDH 00167	45.6	79.8	160.4	17.8	62.6077	11.2959	1.72643	7.7	1.2	7.4	1.5	3.8	0.7	4.7	0.6	26.7	3.2	13.6	526.7	31.5	896.1		
SMDH 00167	15.6	79.6	156.4	17.2	57.9701	8.99061	1.95662	5.5	0.6	3.1	0.3	1.0	0.3	1.1	0.3	33.7	1.8	6.8	275.0	18.6	782.5		1.6
SMDH 00167	11.5	76.1	149.1	16.0	55.6513	8.99061	2.417	4.9	0.6	2.5	0.3	0.8	0.3	0.7	0.3	31.5	1.2	2.4	95.1	12.9	474.2	0.6	
SMDH 00167	9.6	79.1	154.2	16.8	56.8107	9.91272	1.72643	5.0	0.3	2.4	0.3	0.7	0.3	0.3	0.3	33.4	1.3	2.0	74.3	7.2	266.1		
SMDH 00167	42.3	91.6	180.5	20.4	68.4047	11.4112	1.15095	8.0	1.2	7.4	1.4	4.0	0.7	5.0	0.8	35.0	3.3	10.4	401.3	21.5	915.9		1.5
SMDH 00167	46.9	91.0	178.5	19.0	68.4047	11.757	1.15095	7.7	1.2	7.9	1.6	4.2	0.8	5.5	0.7	34.6	3.5	7.5	293.3	24.3	1148.8		
SMDH 00167	67.7	122.2	241.8	26.5	92.7521	15.5607	1.03586	10.8	1.5	10.4	2.2	5.9	1.1	7.0	0.9	47.2	5.8	10.6	412.3	30.0	1289.7	41.0	
SMDH 00167	61.8	139.3	274.3	30.0	104.346	18.2117	1.15095	11.0	1.5	10.0	1.9	5.5	0.9	6.5	0.8	52.9	7.2	10.5	407.7	21.5	915.7		1.5
SMDH 00168	44.9	91.2	194.7	20.8	73.0423	13.2554	1.61133	8.5	1.2	7.7	1.4	3.5	0.7	4.4	0.6	34.1	2.7	14.4	563.8	18.6	1022.0		
SMDH 00168	39.3	79.9	164.4	18.4	63.7671	11.1806	1.72643	7.8	1.1	6.5	1.3	3.4	0.6	3.9	0.3	29.9	2.6	11.7	455.2	30.0	1173.3		
SMDH 00168	27.0	60.8	125.2	13.6	47.5355	8.18376	1.15095	5.7	0.8	4.7	0.9	2.4	0.3	2.7	0.3	23.7	2.1	8.3	333.0	18.6	807.3	1.9	1.6
SMDH 00168	13.6	76.7	158.7	17.5	60.2889	10.7196	1.26605	7.0	0.8	3.6	0.3	0.9	0.3	0.8	0.3	32.8	2.9	13.4	507.0	27.2	885.1		
SMDH 00168	14.7	81.6	176.7	19.0	67.2453	13.0249	1.38114	7.7	0.9	4.0	0.3	1.0	0.3	0.7	0.3	36.6	2.8	8.8	346.6	28.6	993.5		
SMDH 00168	20.7	87.9	180.5	20.9	76.5205	13.947	1.49624	9.7	1.2	5.0	0.7	1.4	0.3	0.9	0.3	38.6	2.9	8.1	323.4	31.5	867.8		1.5
SMDH 00168	17.2	83.5	169.5	19.5	71.8829	13.2554	1.49624	9.1	0.9	4.4	0.6	1.1	0.3	0.7	0.3	35.4	3.1	8.1	309.2	35.8	935.3	0.8	
SMDH 00168	52.6	98.6	204.1	23.5	85.7957	15.9065	1.38114	11.7	1.5	8.9	1.7	4.6	0.8	5.1	0.7	43.9	3.9	7.7	295.0	25.7	1030.6		
SMDH 00168	9.1	85.3	172.0	19.3	70.7235	11.0654	1.26605	7.3	0.6	2.6	0.3	0.7	0.3	0.3	0.3	35.0	2.0	9.0	345.8	17.2	841.9		1.4
SMDH 00168	3.7	22.5	42.6	4.8	18.5504	2.99687	1.49624	1.6	0.3	0.9	0.3	0.3	0.3	0.3	0.3	7.4	0.8	8.1	307.7	14.3	651.2		
SMDH 00168	7.1	64.6	108.5	13.0	46.3761	6.91585	1.72643	4.1	0.3	1.8	0.3	0.6	0.3	0.3	0.3	15.1	0.8	4.0	165.1	25.7	409.0	0.6	
SMDH 00168	11.3	45.6	91.3	10.2	35.9414	6.80059	0.80567	4.5	0.3	2.6	0.3	0.8	0.3	0.9	0.3	18.4	1.7	9.0	335.5	22.9	829.9		1.5
SMDH 00168	14.8	58.0	115.7	13.0	47.5355	7.60744	1.72643	4.8	0.6	3.1	0.3	1.3	0.3	1.3	0.3	24.2	0.8	3.1	134.1	12.9	550.1		
SMDH 00169	36.8	76.3	159.1	17.9	64.9265	11.0654	1.15095	7.1	0.9	6.4	1.3	3.3	0.6	3.5	0.3	29.1	2.4	12.5	533.8	17.2	787.2		
SMDH 00169	39.3	79.4	159.8	18.1	63.7671	11.1806	1.72643	6.6	0.9	6.6	1.4	3.3	0.6	3.8	0.6	27.6	2.1	11.9	518.4	28.6	1100.7		1.4
SMDH 00169	26.0	45.5	95.5	10.3	38.2603	6.33953	1.03586	4.2	0.6	4.2	0.9	2.3	0.3	2.6	0.3	18.1	1.4	6.5	279.8	14.3	704.0	1.5	
SMDH 00169	34.9	73.6	159.3	17.2	62.6077	10.7196	1.72643	6.8	0.9	6.2	1.3	3.0	0.3	3.2	0.3	29.4	1.8	7.3	309.6	24.3	1130.8		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00169	25.2	73.9	155.6	17.2	60.2889	10.2585	1.49624	6.3	0.8	4.8	0.9	2.3	0.3	2.5	0.3	30.4	1.9	8.7	372.7	18.6	831.6		1.5
SMDH 00169	28.0	55.1	114.0	12.6	44.0573	7.14638	1.03586	4.4	0.6	4.5	1.0	2.7	0.3	3.0	0.3	20.3	1.2	6.1	250.8	17.2	701.5		
SMDH 00169	32.6	68.8	136.2	15.6	55.6513	9.3364	1.72643	6.1	0.8	5.5	1.1	2.6	0.3	2.8	0.3	21.6	1.5	5.8	244.0	14.3	522.5	0.4	
SMDH 00169	29.8	74.0	150.3	17.9	62.6077	10.489	1.61133	7.4	0.9	5.3	1.0	2.4	0.3	2.3	0.3	31.2	2.5	5.0	203.3	20.0	658.5		
SMDH 00169	23.8	68.3	143.7	16.1	56.8107	10.3738	1.72643	6.1	0.9	4.9	0.8	1.8	0.3	1.5	0.3	28.2	3.4	4.6	175.7	28.6	706.4		1.6
SMDH 00169	37.6	69.5	146.7	16.2	57.9701	10.9501	1.38114	6.9	1.1	6.5	1.3	3.2	0.6	3.4	0.6	27.5	2.6	7.5	312.7	28.6	765.2		
SMDH 00170	36.8	52.8	106.9	12.0	45.2167	7.7227	1.38114	5.0	0.9	5.7	1.1	3.1	0.3	3.4	0.3	20.3	1.5	7.7	337.2	17.2	1010.5		
SMDH 00170	38.5	67.0	136.4	15.5	55.6513	9.79746	1.49624	6.3	1.1	6.2	1.3	3.2	0.6	3.6	0.6	27.6	2.1	10.0	420.6	18.6	1081.8	2.0	1.6
SMDH 00170	23.8	52.1	102.3	10.1	39.4197	6.33953	0.92076	4.1	0.6	3.7	0.7	2.1	0.3	2.2	0.3	17.6	1.5	9.3	399.6	22.9	717.4		1.7
SMDH 00170	26.7	73.6	148.6	15.4	60.2889	9.6822	1.15095	6.1	0.8	4.8	0.9	2.6	0.3	2.4	0.3	26.0	1.7	10.1	455.9	17.2	874.3		
SMDH 00170	33.3	80.3	159.2	16.3	64.9265	11.0654	1.26605	6.3	1.1	5.3	1.0	2.9	0.3	3.2	0.3	27.8	1.7	14.3	603.5	18.6	1059.8	3.0	
SMDH 00170	38.7	130.1	278.6	32.1	112.462	19.8254	1.49624	11.2	1.5	7.6	1.3	3.2	0.3	3.2	0.3	62.9	3.2	25.5	1116.2	20.0	1096.5		
SMDH 00170	18.8	80.2	158.8	18.6	67.2453	11.6417	1.03586	6.8	0.8	4.0	0.7	1.6	0.3	1.6	0.3	35.9	1.9	9.3	373.9	18.6	721.1		
SMDH 00170	18.6	88.9	183.1	21.0	73.0423	12.218	1.26605	7.1	0.9	4.0	0.6	1.5	0.3	1.6	0.3	40.9	1.9	8.3	341.8	12.9	807.1		1.5
SMDH 00170	8.4	76.6	156.8	18.5	62.6077	11.4112	0.80567	6.0	0.7	2.3	0.3	0.6	0.3	0.3	0.3	34.3	2.0	6.4	254.8	11.4	721.1	0.9	
SMDH 00170	12.7	80.6	163.3	19.3	67.2453	12.3333	1.03586	7.3	0.8	3.2	0.3	0.9	0.3	0.9	0.3	35.9	1.9	6.6	266.2	10.0	664.8		
SMDH 00170	13.9	92.3	194.0	22.1	78.8393	14.0622	1.15095	8.4	0.9	3.9	0.6	1.1	0.3	1.1	0.3	37.1	2.5	8.6	355.5	18.6	738.6		
SMDH 00170	12.2	82.3	174.6	19.6	70.7235	12.3333	1.15095	7.3	0.8	3.3	0.3	1.0	0.3	0.9	0.3	33.4	2.2	9.2	373.8	20.0	787.2	0.6	
SMDH 00170	10.1	66.9	139.9	15.9	55.6513	9.91272	1.15095	5.8	0.6	2.6	0.3	0.8	0.3	0.8	0.3	27.5	2.1	11.0	452.5	17.2	586.3		1.4
SMDH 00170	14.8	56.7	108.1	12.4	46.3761	7.95323	0.69057	4.5	0.3	2.7	0.3	1.6	0.3	1.9	0.3	21.9	1.7	7.3	316.8	21.5	518.6		
SMDH 00170	11.2	58.1	120.5	13.9	48.6949	9.10587	1.26605	5.0	0.3	2.7	0.3	1.0	0.3	1.0	0.3	23.2	1.9	9.1	368.6	24.3	654.1		
SMDH 00170	9.9	59.0	123.2	13.9	51.0137	9.10587	1.61133	5.5	0.6	2.4	0.3	0.9	0.3	1.0	0.3	23.6	2.0	7.2	327.2	25.7	885.3	0.3	1.5
SMDH 00170	8.4	61.8	130.7	15.0	53.3325	10.1433	1.49624	5.6	0.6	2.6	0.3	0.6	0.3	0.3	0.3	27.4	1.7	4.4	178.0	24.3	913.3		
SMDH 00171	33.6	79.3	150.8	18.6	62.6077	10.9501	1.26605	8.8	0.9	5.7	1.1	3.0	0.3	3.4	0.3	29.4	2.4	9.0	384.7	35.8	1239.7	0.5	
SMDH 00171	45.6	30.8	54.1	7.8	28.985	6.80059	1.84152	7.4	1.2	7.3	1.6	3.8	0.7	4.0	0.6	7.0	0.7	4.6	203.4	18.6	2751.7		
SMDH 00171	34.1	50.7	114.8	12.5	47.5355	8.29903	1.72643	7.0	1.1	6.6	1.4	3.3	0.6	3.8	0.3	19.0	1.5	11.0	456.0	25.7	3580.7		1.4
SMDH 00171	26.5	78.7	160.6	19.3	59.1295	11.6417	1.38114	8.1	0.8	4.6	0.8	3.0	0.3	2.8	0.3	35.5	2.0	11.3	710.7	21.5	790.5		
SMDH 00171	34.2	93.3	190.4	22.5	74.2017	13.2554	1.49624	10.0	0.9	6.2	1.0	4.0	0.3	3.8	0.3	41.9	3.2	9.7	389.4	27.2	1068.9	0.8	
SMDH 00171	35.6	81.4	164.2	18.7	64.9265	11.5264	1.38114	8.7	1.1	6.6	1.3	4.2	0.6	3.9	0.3	35.7	2.9	12.3	506.6	21.5	930.9		1.5
SMDH 00171	46.4	73.2	148.2	18.0	57.9701	11.2959	1.95662	9.2	1.1	7.9	1.6	5.9	0.7	5.1	0.8	31.2	2.6	11.3	462.0	22.9	985.7		
SMDH 00171	36.8	62.7	129.7	15.5	51.0137	8.52955	1.26605	8.2	0.9	7.0	1.1	4.3	0.6	4.3	0.6	27.7	2.2	10.5	410.9	18.6	877.8		
SMDH 00171	36.8	75.7	156.4	18.3	59.1295	10.6043	1.38114	9.2	1.1	6.5	1.3	4.3	0.6	3.9	0.6	33.6	2.6	9.9	430.2	21.5	918.5	1.0	
SMDH 00171	41.7	74.3	151.3	18.3	59.1295	10.1433	1.38114	8.9	1.1	6.9	1.3	5.2	0.7	4.8	0.6	33.3	2.1	9.8	393.9	18.6	784.4		1.4
SMDH 00172	16.5	45.3	88.3	10.0	34.782	6.68533	1.72643	5.8	0.6	3.1	0.6	1.5	0.3	1.7	0.3	12.3	1.1	8.4	359.6	18.6	981.5		
SMDH 00172	23.3	107.8	227.6	25.2	89.2739	14.8691	0.80567	10.4	1.1	5.0	1.0	2.2	0.3	2.5	0.3	42.0	3.5	22.2	957.9	10.0	857.5	2.4	1.3
SMDH 00172	38.7	18.8	39.0	5.2	22.0286	5.41742	1.61133	5.8	1.1	6.4	1.5	3.7	0.6	3.5	0.3	3.5	0.6	3.2	153.2	15.7	1847.2		
SMDH 00172	36.1	17.2	37.1	4.6	18.5504	4.95636	1.49624	5.3	0.8	6.2	1.3	3.3	0.6	3.3	0.3	3.4	0.3	3.9	157.9	17.2	2186.6		
SMDH 00172	25.1	59.7	172.4	13.8	51.0137	8.64482	1.03586	6.9	0.8	4.7	0.9	2.3	0.3	2.6	0.3	23.8	1.9	9.1	374.7	20.0	1361.6		1.5
SMDH 00173	30.8	125.2	277.8	30.7	98.5491	16.137	0.80567	11.7	1.2	5.7	1.1	4.1	0.3	3.6	0.6	52.4	4.7	34.6	1476.0	25.7	1438.0	1.6	
SMDH 00173	21.2	67.7	131.5	16.2	52.1731	8.76008	1.49624	7.1	0.8	4.0	0.8	2.6	0.3	2.5	0.3	21.3	1.7	9.0	391.2	22.9	1039.9		
SMDH 00173	17.0	53.4	113.6	13.2	44.0573	7.26165	1.03586	5.3	0.6	3.3	0.7	2.4	0.3	2.4	0.3	20.9	2.0	10.8	455.4	31.5	1325.4		1.3
SMDH 00173	24.3	67.9	127.2	16.7	52.1731	8.52955	1.61133	7.0	0.8	4.8	0.9	2.9	0.3	3.0	0.3	19.5	1.7	7.7	330.1	21.5	1063.1		
SMDH 00173	22.7	65.9	122.1	15.1	47.5355	8.29903	1.49624	6.8	0.8	4.1	0.8	2.5	0.3	2.7	0.3	18.9	1.7	9.7	435.1	22.9	1023.8	1.7	
SMDH 00173																							
SMDH 00173	14.3	46.4	132.3	10.9	35.9414	5.87848	0.69057	4.4	0.3	2.7	0.6	1.8	0.3	2.0	0.3	24.1	2.1	10.1	449.1	31.5	1520.9		1.4
SMDH 00173	32.3	98.4	182.7	22.7	78.8393	13.6012	1.38114	10.7	1.2	6.3	1.3	3.0	0.3	3.2	0.3	34.2	2.5	17.7	827.2	32.9	4489.1		
SMDH 00174	38.0	158.6	339.2	38.4	129.853	24.2055	0.80567	14.4	1.6	8.2	1.3	4.3	0.6	4.3	0.6	68.8	4.5	33.1	1394.8	14.3	673.7		
SMDH 00174	19.1	56.6	110.6	13.5	45.2167	7.83797	1.15095	5.6	0.6	3.7	0.6	2.3	0.3	2.0	0.3	18.4	1.4	8.8	353.0	20.0	965.0		1.5
SMDH 00174	47.9	59.7	114.1	13.0	42.8979	7.49218	1.38114	6.1	0.9	7.0	1.6	7.2	1.0	7.4	1.0	19.5	1.8	9.6	445.2	27.2	1126.8		
SMDH 00174	13.9	44.6	86.9	10.2	33.6226	6.4548	1.61133	4.4	0.6	2.7	0.3	1.7	0.3	1.5	0.3	15.7	1.1	7.9	333.1	22.9	826.4	1.2	
SMDH 00174	28.9	97.2	197.0	22.1	75.3611	12.3333	1.61133	7.3	0.9	4.6	0.9	4.1	0.6	4.2	0.7	34.9	1.4	13.2	521.4	17.2	1089.2		1.5
SMDH 00174	39.4	89.1	178.5	20.4	67.2453	10.9501	1.26605	7.6	1.1	6.1	1.3	6.4	0.8	5.9	0.7	30.9	2.0	11.1	468.5	21.5	1049.3		
SMDH 00174	33.1	88.8	183.2	21.1	70.7235	11.9875	1.26605	8.1	0.8	5.3	1.0	4.9	0.6	5.1	0.6	33.2	1.7	11.3	464.5	24.3	1133.8		
SMDH 00174																							
SMDH 00174	32.6	116.9	245.4	27.7	96.2303	15.7912	1.38114	10.4	1.2	5.8	1.1	3.1	0.3	3.9	0.3	45.3	2.4	13.6	552.6	21.5	1235.5		1.5
SMDH 00174	29.3	87.6	178.3	20.2	75.3611	12.3333	1.49624	8.9	1.2	5.5	0.9	2.7	0.3	3.3	0.3	33.0	2.0	9.8	409.2	21.5	896.8		
SMDH 00174	38.1	70.3	144.5	16.0	55.6513	10.028	1.26605	7.4	1.1	6.3	1.3	3.5	0.6	4.0	0.3	25.8	1.8	7.4	317.6	25.7	827.6		
SMDH 00174	42.2	87.0	173.0	21.7	69.5641	13.1401	1.49624	9.4	1.2	7.3	1.5	4.9	0.7	4.3	0.6	31.1	2.6	9.0	374.3	34.3	943.5		
SMDH 00174	36.6	84.6	171.8	20.5	64.9265	11.5264	1.38114	9.4	1.2	6.4	1.4	4.5	0.7	4.1	0.7	31.9	2.0	9.9	412.8	28.6	846.8		
SMDH 00174	31.2	57.1	111.9	13.3	42.8979	7.60744	1.26605	6.0	0.7	4.9	1.0	3.9	0.6	4.2	0.7	18.9	1.5	13.4	597.3	21.5	883.4		
SMDH 00175	23.1	73.5	156.6	18.6	63.7671	11.2959	0.28774	7.3	0.9	4.5	0.8	1.9	0.3	2.2	0.3	33.8	1.8	10.7	456.2	10.0	437.3		
SMDH 00175	28.9	116.8	252.5	30.0	105.506	19.7102	1.26605	13.1	1.4	6.1	1.1	2.4	0.3	2.5	0.3	59.4	2.7	15.1	665.9	22.9	605.2		
SMDH 00175	24.5	100.5	216.4	25.0	86.9551	14.5233	1.84152	10.0	0.9	4.5	0.8	2.1	0.3	2.2	0.3	50.6	1.2	6.7	278.8	15.7	671.8		
SMDH 00175	13.2	73.0	152.2	16.9	61.4483	10.6043	1.49624	6.4	0.6	2.9	0.3	1.3	0.3	1.1	0.3	31.7	0.8	6.6	273.4	10.0	600.6		1.6
SMDH 00175	16.6	101.2	221.5	25.0	84.6363	14.7538	1.49624	9.3	0.9	3.6	0.3	1.6	0.3	1.1	0.3	48.2	1.2	7.1	276.9	12.9	751.9		
SMDH 00175	24.3	103.1	222.8	25.6	86.9551	15.4454	1.61133	10.2	1.2	5.3	0.8	2.4	0.3	2.4	0.3	49.1	1.5	9.4	389.4	10.0	727.4	1.4	
SMDH 00175	29.5	95.7	205.3	23.4	81.1581	15.9065	1.61133	10.5	1.2	6.0	0.9	3.4	0.3	3.4	0.3	46.0	1.4	6.3	260.8	8.6	761.5		1.6
SMDH 00175	49.9	118.4	267.1	30.6	111.303	20.8628	1.38114	15.0	1.8	8.6	1.7	6.0	0.8	6.6	0.9	67.6	2.2	14.0	618.7	14.3	1154.6		
SMDH 00175	34.5	103.3	231.8	26.5	91.5927	19.1339	1.61133	12.4	1.3	6.8	1.3	3.9	0.6	4.2	0.6	57.0	2.0	12.5	495.9	15.7	1127.8		
SMDH 00175	34.6	105.6	230.0	26.7	91.5927	17.4049	1.72643	11.9	1.3	6.5	1.3	3.9	0.6	4.3	0.3	52.1	1.7	9.7	411.2	12.9	942.3	1.0	1.6
SMDH 00175	47.4	85.3	185.0	21.6	73.0423	13.947	1.38114	11.3	1.5	8.6	1.6	4.9	0.8	5.6	0.8	40.1	2.0	10.5	426.0	17.2	1015.4		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00175	27.4	89.1	192.4	21.3	71.8829	13.8317	1.61133	9.7	1.2	5.6	0.9	2.5	0.3	2.4	0.3	39.0	1.8	9.6	417.3	15.7	815.2		
SMDH 00175	28.6	102.4	215.0	24.6	82.3175	15.9065	1.84152	10.2	1.2	5.7	0.9	3.3	0.3	2.7	0.3	42.6	1.5	12.3	501.8	20.0	1016.6		1.5
SMDH 00175	41.1	103.4	219.0	25.8	85.7957	19.5949	1.61133	13.7	1.9	8.4	1.3	4.7	0.3	4.0	0.6	44.6	1.8	11.3	454.9	34.3	1220.7	0.9	
SMDH 00176	39.5	146.4	305.4	39.3	124.056	24.3208	1.26605	17.1	1.8	8.7	1.4	4.2	0.3	3.1	0.3	75.6	3.4	20.9	924.5	17.2	1023.1		
SMDH 00176	36.2	90.2	192.7	22.9	78.8393	16.0217	1.38114	10.8	1.3	6.6	1.3	4.1	0.3	3.2	0.3	44.2	1.9	12.4	531.5	21.5	766.4		1.3
SMDH 00176	21.9	108.2	227.1	27.3	90.4333	16.8286	1.84152	11.1	1.2	5.4	0.8	1.9	0.3	1.5	0.3	49.1	1.7	15.1	615.8	24.3	902.1		
SMDH 00176	20.8	99.9	212.9	24.9	84.6363	15.4454	1.61133	10.3	0.9	4.7	0.7	1.8	0.3	1.4	0.3	46.4	1.5	11.4	466.7	20.0	1034.1	1.6	
SMDH 00176	38.5	95.4	199.7	25.8	92.7521	19.7102	1.72643	12.4	1.4	7.2	1.4	3.2	0.3	3.3	0.3	47.2	1.8	9.1	400.5	28.6	521.1		1.4
SMDH 00176	24.5	86.8	188.8	23.1	83.4769	16.2523	1.72643	10.7	1.1	5.6	0.8	2.2	0.3	2.2	0.3	43.7	1.7	10.4	435.1	21.5	489.1		
SMDH 00176	34.3	107.4	237.8	27.1	96.2303	17.6354	1.49624	11.0	1.3	6.9	1.3	3.1	0.3	3.2	0.3	50.9	1.9	11.2	513.6	25.7	516.2		
SMDH 00176	25.6	88.7	192.8	23.5	81.1581	17.1744	1.49624	10.4	1.2	5.2	0.8	2.1	0.3	2.0	0.3	44.9	1.9	11.7	485.3	22.9	456.9	0.8	1.5
SMDH 00176	33.0	100.2	219.6	27.0	92.7521	17.2896	1.61133	11.7	1.4	6.8	1.3	2.9	0.3	3.2	0.3	50.6	1.9	12.1	496.1	22.9	587.9		
SMDH 00176	33.1	75.9	164.0	19.5	71.8829	13.2554	1.61133	9.5	1.1	6.1	1.1	3.0	0.3	3.1	0.3	39.2	1.8	9.9	393.1	22.9	867.1		
SMDH 00177	54.1	211.9	470.5	53.1	194.779	28.7008	1.49624	19.7	2.1	10.4	2.2	5.1	0.7	4.2	0.7	96.0	3.9	30.1	1106.8	21.5	486.8	0.9	
SMDH 00177	25.7	91.2	211.6	24.1	83.4769	12.4485	1.26605	8.7	1.1	4.9	1.0	2.5	0.3	2.3	0.3	42.0	1.7	11.4	474.0	24.3	721.8		1.5
SMDH 00177	35.7	106.5	241.2	28.5	97.3897	16.3675	1.49624	11.5	1.3	6.6	1.4	3.4	0.3	3.4	0.3	47.8	1.7	9.4	398.4	30.0	740.9		
SMDH 00177	19.3	84.8	174.8	20.2	67.2453	10.489	1.61133	6.6	0.8	3.8	0.7	2.2	0.3	1.6	0.3	32.4	0.9	8.3	367.8	22.9	553.8	0.8	1.7
SMDH 00177	10.9	47.7	99.1	11.6	37.1009	5.76321	0.92076	4.2	0.3	2.3	0.3	1.3	0.3	0.8	0.3	18.4	0.6	4.4	164.5	12.9	264.0		
SMDH 00177	30.7	101.3	212.8	24.9	84.6363	15.0996	1.38114	9.7	1.1	5.6	1.0	3.7	0.3	3.4	0.3	42.8	1.3	8.5	361.7	21.5	634.4		
SMDH 00177	19.1	87.5	182.1	22.1	73.0423	12.218	1.26605	7.2	0.8	3.6	0.7	2.2	0.3	1.7	0.3	36.9	0.9	6.8	282.0	12.9	469.5		1.6
SMDH 00177	15.7	93.4	199.0	22.5	76.5205	11.9875	1.72643	7.4	0.8	3.6	0.3	1.6	0.3	1.0	0.3	40.3	0.9	8.7	361.5	15.7	682.1	1.0	
SMDH 00178	38.5	91.4	190.0	22.0	76.5205	14.1775	1.38114	8.5	1.2	6.6	1.3	3.1	0.3	3.2	0.3	38.8	2.0	9.7	422.8	20.0	670.6		
SMDH 00178	47.1	99.0	213.4	25.1	86.9551	14.8691	1.72643	10.8	1.5	7.8	1.7	4.2	0.7	4.4	0.7	43.0	3.2	12.7	538.6	21.5	1057.5		
SMDH 00178	38.1	94.5	199.9	23.7	81.1581	14.1775	1.38114	8.9	1.2	6.6	1.4	3.2	0.3	3.1	0.3	39.6	2.1	9.6	427.3	15.7	655.9		1.4
SMDH 00178	35.1	89.1	189.9	22.6	77.6799	14.7538	1.61133	10.1	1.2	6.1	1.1	3.0	0.3	2.7	0.3	39.4	3.2	12.1	532.5	18.6	1140.6	0.8	
SMDH 00178	24.5	111.8	234.8	28.2	95.0709	16.2523	1.72643	10.4	1.2	5.4	0.8	1.9	0.3	1.9	0.3	47.5	2.1	9.6	402.7	17.2	1096.5		
SMDH 00178	10.4	92.1	191.1	22.2	76.5205	11.8722	1.84152	6.8	0.7	3.0	0.3	0.7	0.3	0.6	0.3	36.0	1.3	12.3	507.9	15.7	1184.8		1.6
SMDH 00178	25.6	108.7	225.5	26.3	92.7521	15.7912	1.72643	9.3	1.1	4.9	0.8	2.3	0.3	2.6	0.3	44.7	1.9	10.7	471.0	14.3	998.6		
SMDH 00179	30.3	92.0	210.1	23.8	78.8393	11.8722	1.49624	10.3	1.1	5.2	1.0	2.9	0.3	2.7	0.3	44.4	2.7	21.0	817.6	17.2	569.7		1.3
SMDH 00179	27.2	165.6	360.0	41.6	135.65	22.7071	2.76229	16.5	1.9	7.0	1.0	2.1	0.3	1.5	0.3	79.4	1.7	5.3	206.9	17.2	655.5		
SMDH 00179	11.4	43.3	93.7	10.8	35.9414	5.76321	1.15095	4.6	0.3	2.2	0.3	1.0	0.3	0.3	0.3	18.7	0.7	1.3	47.3	17.2	375.1	1.7	
SMDH 00179	44.5	343.7	756.6	85.6	285.213	45.9904	4.02833	32.8	3.2	12.4	1.7	3.0	0.3	1.1	0.3	161.6	2.8	0.9	40.0	15.7	383.6		1.8
SMDH 00179	34.0	244.4	552.1	61.5	200.576	33.1961	3.91324	24.9	2.5	8.0	1.3	2.5	0.3	1.1	0.3	109.1	1.9	5.1	164.9	15.7	556.2		
SMDH 00179	16.5	96.4	201.1	23.2	77.6799	13.2554	1.95662	8.6	0.8	4.0	0.7	1.1	0.3	0.9	0.3	40.5	0.8	1.5	65.8	7.2	293.6		
SMDH 00179	28.9	91.9	187.6	21.6	78.8393	13.8317	1.49624	9.1	0.9	5.6	1.1	2.5	0.3	2.3	0.3	40.1	2.9	11.1	533.3	20.0	797.9	0.9	1.5
SMDH 00180	27.4	83.5	181.0	19.9	70.7235	12.9096	0.80567	8.2	1.1	5.2	0.9	2.3	0.3	2.5	0.3	36.0	2.5	17.5	798.1	11.4	457.4		1.3
SMDH 00180	29.3	86.2	179.3	21.0	74.2017	12.4485	1.26605	8.0	1.1	5.6	1.0	2.9	0.3	3.1	0.3	36.2	1.9	11.0	477.4	12.9	722.0	4.5	
SMDH 00180	19.4	55.3	96.9	13.1	47.5355	7.83797	1.03586	5.0	0.6	3.3	0.6	1.7	0.3	1.4	0.3	19.8	1.1	4.7	214.0	10.0	472.8		
SMDH 00180	14.7	96.3	199.0	23.2	78.8393	13.4859	1.38114	8.0	0.9	3.8	0.6	1.1	0.3	0.9	0.3	38.6	1.7	9.4	422.0	15.7	817.1		1.6
SMDH 00180	18.9	95.6	211.2	23.4	79.9987	13.1401	1.38114	9.4	1.1	4.5	0.7	1.6	0.3	1.3	0.3	39.1	1.7	9.0	398.2	31.5	778.6		
SMDH 00180	29.5	104.3	214.1	26.2	88.1145	15.0996	1.84152	9.9	1.3	6.1	1.0	2.4	0.3	2.5	0.3	45.1	2.1	10.0	417.7	20.0	819.9		
SMDH 00180	31.4	91.6	182.8	22.6	78.8393	12.3333	1.38114	8.5	1.2	6.3	1.3	3.2	0.6	3.5	0.3	39.9	2.1	9.7	403.1	18.6	829.9		1.5
SMDH 00180	40.6	114.9	236.3	28.6	99.7085	16.2523	1.84152	11.7	1.4	8.0	1.4	3.7	0.7	4.0	0.6	49.5	2.9	13.3	542.5	34.3	1010.7		
SMDH 00180	43.1	124.9	255.9	31.0	107.824	19.0186	1.95662	12.0	1.5	8.8	1.6	3.4	0.7	4.4	0.6	55.2	3.5	12.6	524.4	30.0	1094.8		
SMDH 00180	21.8	54.2	102.9	13.1	46.3761	7.37691	1.15095	5.2	0.7	3.8	0.8	1.9	0.3	1.9	0.3	21.7	1.2	6.3	295.3	15.7	567.9	0.9	1.7
SMDH 00180	35.7	98.6	203.3	25.0	86.9551	14.7538	1.84152	10.4	1.3	7.3	1.4	3.4	0.6	3.6	0.3	41.7	2.7	11.1	448.3	21.5	1026.2		
SMDH 00180	39.0	104.6	212.8	25.7	91.5927	16.4828	1.61133	11.6	1.4	8.6	1.5	3.3	0.6	3.4	0.3	42.9	2.9	9.9	409.7	21.5	993.0		
SMDH 00180	39.0	104.6	212.8	25.7	91.5927	16.4828	1.61133	11.6	1.4	8.6	1.5	3.3	0.6	3.4	0.3	42.9	2.9	9.9	409.7	21.5	993.0		
SMDH 00181	33.7	127.2	250.4	34.9	103.187	16.3675	0.69057	13.1	1.2	6.8	1.3	3.7	0.3	3.2	0.3	50.9	3.3	39.5	1363.5	8.6	266.8		1.6
SMDH 00181	43.5	140.3	285.3	39.2	125.215	19.9407	1.72643	15.1	1.5	8.1	1.6	5.1	0.7	4.4	0.7	58.8	3.1	32.2	1060.9	21.5	604.3	2.6	
SMDH 00181	37.0	165.4	375.1	41.7	140.288	22.4765	1.49624	16.2	1.4	8.2	1.3	3.7	0.3	3.3	0.3	75.0	3.4	18.6	781.2	15.7	479.6		
SMDH 00181	36.6	80.2	179.7	20.3	68.4047	12.218	0.92076	10.2	1.1	6.9	1.1	4.0	0.3	4.2	0.6	35.2	1.9	5.2	239.4	15.7	632.6		1.5
SMDH 00181	55.4	110.5	249.8	27.6	92.7521	16.9438	1.38114	14.1	1.6	10.5	1.8	6.0	0.8	5.3	0.7	46.7	2.6	12.5	670.1	24.3	839.3		
SMDH 00181	44.5	114.3	259.2	29.2	99.7085	17.4049	1.26605	14.3	1.4	8.4	1.5	4.8	0.6	4.5	0.7	50.4	2.6	7.4	298.4	20.0	785.6	1.8	
SMDH 00181	38.3	95.3	204.9	23.5	78.8393	13.3707	1.15095	10.4	1.3	7.2	1.4	4.2	0.6	4.1	0.3	39.7	2.0	7.5	290.7	15.7	760.8		1.4
SMDH 00181	24.3	66.3	144.6	16.2	54.4919	8.99061	1.61133	7.0	0.8	4.6	0.8	3.1	0.3	3.1	0.3	26.6	1.4	7.7	320.1	14.3	719.5		
SMDH 00181	16.1	78.0	171.2	18.7	63.7671	10.1433	1.38114	8.5	0.7	3.3	0.3	1.6	0.3	1.4	0.3	30.9	1.5	8.7	387.0	15.7	950.9		
SMDH 00181	22.6	95.0	209.0	23.4	77.6799	12.9096	1.49624	10.0	0.9	4.6	0.8	2.5	0.3	2.3	0.3	39.9	2.1	8.5	326.2	12.9	785.6	1.2	1.6
SMDH 00181	23.3	94.3	204.9	22.9	76.5205	13.7164	1.49624	11.2	1.1	5.5	0.8	2.6	0.3	2.2	0.3	38.7	2.0	8.5	332.6	20.0	967.5		
SMDH 00181	42.8	136.8	309.8	34.3	115.94	18.4423	1.84152	12.9	1.6	7.7	1.6	4.6	0.6	4.0	0.6	61.1	3.1	9.3	401.2	21.5	1320.3		
SMDH 00181	18.0	68.3	151.2	17.1	56.8107	9.22114	1.49624	6.8	0.7	3.6	0.7	1.6	0.3	1.4	0.3	28.7	1.7	7.3	284.6	15.7	949.5		1.5
SMDH 00181	33.5	83.5	187.3	21.5	67.2453	11.0654	1.84152	8.7	1.1	5.2	1.1	3.4	0.7	3.5	0.6	35.4	2.2	5.8	237.2	14.3	804.7	1.0	
SMDH 00181	15.8	69.8	154.2	17.1	55.6513	8.76008	1.95662	6.3	0.7	2.9	0.3	1.4	0.3	1.4	0.3	28.2	1.4	6.5	233.3	12.9	732.3		
SMDH 00182	20.8	61.6	121.1	14.5	48.6949	8.0685	0.57548	6.6	0.7	4.1	0.7	1.8	0.3	2.2	0.3	25.3	1.7	10.0	469.7	21.5	424.2		
SMDH 00182	28.1	87.0	181.1	21.6	76.5205	11.8722	0.92076	9.1	1.1	5.7	1.0	2.5	0.3	3.1	0.3	36.3	2.1	10.5	486.4	14.3	534.2		
SMDH 00182	51.1	163.3	352.5	42.9	151.882	26.0497	1.61133	15.7	2.0	9.9	1.7	3.9	0.7	4.1	0.7	72.5	4.1	27.2	1197.8	17.2	441.5		
SMDH 00182	37.9	151.6	319.8	36.9	129.853	21.3239	1.38114	15.5	1.6	8.5	1.4	3.4	0.3	3.4	0.3	66.2	3.7	11.1	520.6	20.0	763.4		1.7
SMDH 00182	32.1	46.1	95.1	11.9	41.7385	7.26165	0.92076	5.7	0.7	5.5	1.1	3.4	0.7	4.4	0.3	19.1	1.3	9.7	411.5	17.2	898.6	2.0	
SMDH 00182	11.7	33.0	69.1	8.3	28.985	4.8411	0.80567	2.6	0.3	2.1	0.3	0.9	0.3	1.1	0.3	13.3	0.8	3.8	164.5	7.2	256.7		1.6
SMDH 00182	11.5	19.7	38.3	4.1	12.7534	2.42055	0.28774	1.8	0.3	2.1	0.3	1.0	0.3	1.3	0.3	14.8	3.3	3.4	131.7	7.2	157.2		
SMDH 00182	36.1	69.0	141.7	16.8	57.9701	9.6822	1.26605	6.5	0.8	6.1	1.3	4.0	0.8	5.9	0.7	27.6	1.5	7.5	330.8	17.2	823.2		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00182	38.8	71.0	145.9	16.2	55.6513	8.99061	1.38114	6.3	0.8	5.0	1.4	5.8	0.7	6.4	1.0	28.2	1.4	7.3	316.8	17.2	1203.7		
SMDH 00182	38.1	88.4	178.0	20.5	69.5641	11.4112	1.61133	7.3	0.9	5.6	1.3	5.2	0.8	5.3	1.0	36.5	1.7	8.3	368.4	15.7	847.2	0.9	
SMDH 00182	41.9	85.1	174.5	20.7	63.7671	11.6417	1.38114	8.5	0.9	6.5	1.5	5.4	0.7	5.1	0.9	34.8	2.2	8.6	351.1	15.7	958.4		1.4
SMDH 00182	26.4	64.2	131.1	14.8	51.0137	8.41429	1.26605	5.7	0.7	3.9	0.8	3.2	0.3	3.1	0.3	24.6	1.8	7.4	342.8	15.7	840.7		
SMDH 00182	8.4	48.3	99.3	11.2	37.1009	6.22427	1.49624	4.0	0.3	1.6	0.3	0.9	0.3	0.7	0.3	18.9	1.2	6.8	281.9	12.9	736.0		
SMDH 00183	23.2	61.9	130.2	15.3	51.0137	9.56693	1.03586	5.2	0.7	4.5	0.8	1.8	0.3	2.0	0.3	24.4	1.4	9.4	412.8	21.5	953.0		
SMDH 00183	22.3	57.4	122.2	14.3	49.8543	9.22114	1.03586	5.2	0.7	4.0	0.8	1.7	0.3	1.9	0.3	23.6	1.4	8.6	375.4	11.4	770.4		1.6
SMDH 00183	15.2	25.7	45.1	5.9	20.8692	3.91898	0.80567	2.6	0.3	2.5	0.3	1.0	0.3	1.1	0.3	8.7	0.8	4.2	187.1	8.6	710.8		
SMDH 00183	26.6	13.1	25.0	3.8	15.0722	4.14951	1.38114	3.3	0.6	4.4	0.9	1.8	0.3	1.9	0.3	2.6	0.3	2.6	115.4	10.0	1787.0		
SMDH 00183	28.3	14.6	30.3	4.4	17.391	5.07163	1.38114	3.7	0.7	5.2	1.0	2.2	0.3	2.3	0.3	2.8	0.8	3.7	169.0	12.9	2692.4	3.3	1.4
SMDH 00183	19.0	70.1	141.9	16.5	56.8107	10.1433	1.84152	6.0	0.7	3.9	0.7	1.3	0.3	1.3	0.3	27.9	1.3	5.7	236.8	18.6	1171.5		
SMDH 00183	35.5	71.0	162.7	16.1	56.8107	10.8348	1.38114	6.5	0.9	6.8	1.4	2.9	0.6	3.2	0.3	36.6	3.1	8.4	357.6	22.9	1143.9		
SMDH 00183	46.6	69.9	147.9	18.6	60.2889	10.489	2.07171	7.8	1.1	7.7	1.6	3.9	0.8	4.7	0.7	25.4	2.2	8.1	365.0	28.6	782.8		1.5
SMDH 00183	44.2	86.1	176.3	21.7	75.3611	13.0249	1.61133	9.5	1.3	7.9	1.6	3.9	0.7	4.4	0.6	31.3	3.1	8.6	366.5	24.3	1026.6	0.9	
SMDH 00183	46.1	95.0	200.7	25.0	86.9551	14.408	2.30191	10.4	1.3	8.0	1.5	3.9	0.7	4.3	0.7	31.2	2.9	9.1	382.7	24.3	975.2		
SMDH 00183	52.0	75.5	167.1	20.5	68.4047	12.5638	1.95662	9.3	1.3	9.0	1.8	4.7	0.9	5.9	0.8	26.1	2.2	13.6	573.5	28.6	1149.3		1.6
SMDH 00183	39.8	95.4	195.1	23.7	81.1581	15.0996	1.72643	9.6	1.2	6.8	1.4	3.4	0.8	4.7	0.7	34.8	2.9	10.1	434.0	25.7	1187.6		
SMDH 00183	20.9	88.4	173.3	20.7	71.8829	12.218	2.18681	7.3	0.8	4.0	0.7	1.7	0.3	2.2	0.3	29.6	2.0	9.2	414.4	24.3	1156.0	0.6	
SMDH 00183	32.3	56.8	118.8	14.2	47.5355	8.29903	1.84152	5.3	0.8	4.8	1.1	3.1	0.7	4.3	0.7	21.2	1.5	5.5	240.6	25.7	1285.4		1.5
SMDH 00184	49.6	110.1	234.0	27.6	93.9115	15.7912	1.95662	10.4	1.4	8.5	1.7	4.0	0.8	4.5	0.7	42.5	2.9	12.4	573.4	27.2	1190.8		
SMDH 00184	34.5	93.9	198.7	24.0	81.1581	14.0622	1.95662	9.6	1.2	6.9	1.3	2.7	0.3	2.7	0.3	36.2	3.1	13.6	596.6	25.7	794.7		
SMDH 00184	13.9	62.7	129.2	15.7	53.3325	9.45167	1.72643	6.1	0.7	3.1	0.3	1.0	0.3	0.9	0.3	25.4	1.7	5.4	249.4	18.6	753.3	2.3	1.5
SMDH 00184	18.1	45.5	93.7	11.5	39.4197	7.03112	1.72643	4.7	0.3	3.2	0.7	1.5	0.3	1.6	0.3	18.1	1.3	5.9	277.7	14.3	476.8		
SMDH 00184	11.4	34.1	67.3	8.2	27.8256	5.07163	1.72643	3.4	0.3	2.3	0.3	0.8	0.3	0.9	0.3	12.9	0.9	5.9	282.5	12.9	425.4		
SMDH 00184	15.7	63.4	129.5	15.9	54.4919	9.10587	1.84152	6.0	0.7	3.6	0.3	1.1	0.3	0.9	0.3	25.8	1.5	7.4	342.0	18.6	911.7		1.5
SMDH 00184	24.3	58.1	119.4	15.0	51.0137	10.489	1.61133	7.0	0.9	4.6	0.8	1.7	0.3	1.5	0.3	22.0	2.1	6.6	314.6	20.0	765.7	0.7	
SMDH 00184	25.2	67.8	141.2	17.5	56.8107	11.1806	1.61133	7.2	0.8	4.9	0.9	1.8	0.3	2.5	0.3	27.7	2.1	7.5	336.3	24.3	849.1		
SMDH 00184	23.3	45.7	99.3	12.0	40.5791	8.0685	1.15095	5.6	0.9	4.8	0.8	1.6	0.3	1.7	0.3	20.2	1.5	10.0	416.2	22.9	616.4	0.9	1.4
SMDH 00184	37.5	48.5	100.6	12.1	41.7385	8.99061	2.07171	6.6	0.9	6.0	1.1	2.9	0.6	3.1	0.3	17.1	1.5	6.1	287.5	24.3	977.1		1.6
SMDH 00184	44.0	71.4	148.5	18.3	62.6077	12.218	1.84152	8.5	1.2	7.0	1.5	3.3	0.7	3.9	0.6	25.6	2.7	15.8	372.0	22.9	1021.5		
SMDH 00184	31.6	84.4	164.8	20.7	70.7235	13.6012	1.72643	8.2	1.1	5.0	0.9	1.9	0.3	2.3	0.3	33.8	3.4	8.3	395.4	22.9	1128.2	0.5	
SMDH 00184	14.2	63.1	122.2	14.9	52.1731	9.10587	2.18681	5.3	0.6	3.0	0.3	0.7	0.3	0.6	0.3	24.8	1.4	4.8	236.3	11.4	520.0		1.8
SMDH 00184	46.1	42.0	82.8	10.0	37.1009	7.83797	2.18681	5.7	0.9	6.2	1.3	3.4	0.9	5.6	0.7	12.5	1.4	9.8	486.2	28.6	1126.8		
SMDH 00185	30.7	123.7	223.2	26.3	99.7085	17.6354	1.15095	10.0	1.2	5.6	0.9	3.5	0.3	2.4	0.3	51.3	3.4	13.4	577.3	12.9	582.1		1.7
SMDH 00185	24.6	76.5	157.9	18.7	64.9265	11.0654	1.26605	8.1	1.1	4.4	0.8	2.6	0.3	1.9	0.3	30.8	2.2	8.5	369.3	17.2	772.0		
SMDH 00185	20.5	65.1	130.9	15.9	52.1731	9.91272	1.38114	6.2	0.8	4.0	0.7	2.3	0.3	1.8	0.3	25.2	1.5	6.7	278.7	17.2	749.1		
SMDH 00185	10.6	32.4	66.0	7.4	24.3474	5.18689	1.61133	3.2	0.3	1.9	0.3	1.4	0.3	0.9	0.3	11.7	0.3	2.8	129.7	11.4	444.8		1.5
SMDH 00185	22.6	65.5	123.7	14.3	47.5355	8.52955	1.84152	6.0	0.7	4.4	0.8	2.1	0.3	2.0	0.3	19.8	0.9	5.7	253.8	37.2	698.2	0.9	
SMDH 00185	27.5	66.3	139.3	15.0	52.1731	9.3364	1.72643	6.9	0.8	5.3	1.0	2.5	0.3	2.3	0.3	25.9	1.4	9.4	401.2	25.7	740.9		
SMDH 00185	40.2	77.4	161.0	18.5	61.4483	11.4112	1.72643	8.0	1.1	7.1	1.6	3.3	0.6	3.4	0.3	28.4	2.0	9.6	426.6	27.2	826.4		1.6
SMDH 00185	40.3	85.3	181.7	20.7	71.8829	13.2554	1.72643	9.4	1.2	7.4	1.5	3.3	0.3	3.3	0.3	32.8	1.9	10.0	429.8	31.5	937.6		
SMDH 00186	36.8	83.9	171.0	19.5	71.8829	12.4485	1.49624	6.8	1.1	6.4	1.3	4.5	0.6	3.8	0.7	28.5	2.4	15.9	630.4	24.3	855.4	1.3	
SMDH 00186	31.7	69.3	149.0	16.6	60.2889	9.45167	1.72643	6.4	0.9	6.0	1.1	3.7	0.3	3.1	0.3	26.2	2.0	6.6	291.2	20.0	1087.8		1.6
SMDH 00186	7.2	24.9	50.4	5.5	18.5504	3.11213	1.26605	2.3	0.3	1.3	0.3	0.8	0.3	0.7	0.3	8.1	0.8	7.2	296.5	14.3	641.4		
SMDH 00186	11.2	46.6	97.2	10.9	39.4197	6.22427	1.15095	3.4	0.3	2.3	0.3	1.3	0.3	0.9	0.3	17.5	0.8	5.7	234.9	14.3	532.4		
SMDH 00186	25.9	78.7	157.7	18.1	69.5641	10.489	1.26605	6.9	1.1	5.2	0.9	3.0	0.3	1.8	0.3	33.2	2.6	7.7	327.2	20.0	694.9	1.3	1.4
SMDH 00186	7.0	37.9	73.5	8.5	28.985	4.49531	1.38114	2.7	0.3	1.5	0.3	0.7	0.3	0.3	0.3	11.4	0.8	5.2	227.1	21.5	674.1		
SMDH 00186	18.2	50.1	97.4	11.6	41.7385	7.49218	1.38114	4.5	0.3	3.2	0.6	1.3	0.3	1.4	0.3	17.9	1.5	7.3	323.7	17.2	770.4		
SMDH 00186	21.2	86.7	171.3	20.8	76.5205	13.0249	1.15095	8.1	0.9	4.2	0.6	1.3	0.3	0.9	0.3	37.9	2.9	7.8	346.6	15.7	842.8	0.7	1.5
SMDH 00186	20.0	79.9	173.0	18.7	68.4047	11.6417	1.15095	7.3	0.9	4.7	0.7	2.3	0.3	1.5	0.3	33.8	2.6	10.6	434.4	21.5	741.4		
SMDH 00186	17.1	89.5	191.3	22.0	78.8393	13.8317	1.26605	7.8	0.9	4.6	0.6	1.7	0.3	0.9	0.3	40.2	2.8	9.6	374.6	17.2	729.7	1.4	
SMDH 00186	19.4	125.4	251.7	28.9	99.7085	14.9844	1.49624	9.2	1.1	4.7	0.7	1.3	0.3	0.9	0.3	54.4	2.9	9.4	418.1	18.6	728.8		
SMDH 00187	42.3	49.8	97.5	12.0	41.7385	7.49218	1.03586	5.0	0.8	5.3	1.1	2.9	0.7	3.5	0.3	19.0	2.2	10.0	483.3	14.3	890.7		
SMDH 00187	37.0	46.9	94.2	11.2	39.4197	7.26165	1.38114	4.8	0.7	4.8	1.0	2.2	0.6	3.1	0.3	17.9	2.1	7.1	344.6	34.3	1390.3		
SMDH 00187	25.6	79.4	159.8	19.1	64.9265	11.757	1.03586	7.1	0.8	4.4	0.8	1.5	0.3	1.7	0.3	33.7	2.4	5.3	254.5	18.6	802.4		1.7
SMDH 00187	32.2	66.2	126.6	15.9	52.1731	9.6822	1.61133	5.7	0.8	5.7	1.1	2.9	0.3	3.1	0.3	23.2	2.4	6.7	297.3	25.7	2355.1	2.3	
SMDH 00187	28.5	82.5	158.8	19.5	68.4047	11.9875	1.38114	7.4	0.9	5.6	1.0	2.2	0.3	2.4	0.3	33.4	2.0	8.5	391.6	17.2	1030.4		
SMDH 00187	22.2	64.9	127.5	16.0	53.3325	10.028	1.84152	6.0	0.7	4.6	0.8	1.8	0.3	1.8	0.3	23.6	1.3	7.1	319.6	27.2	1113.8		1.5
SMDH 00187	18.9	82.2	162.8	20.3	67.2453	12.6791	1.72643	7.4	0.9	4.7	0.8	1.4	0.3	0.9	0.3	29.4	1.5	7.4	331.2	25.7	1609.2		
SMDH 00187	15.5	103.9	201.5	24.4	79.9987	14.5233	1.95662	8.0	0.9	4.0	0.6	1.0	0.3	0.7	0.3	40.7	1.5	7.0	317.8	21.5	1646.1	1.0	
SMDH 00187	15.7	76.5	150.9	18.6	61.4483	11.5264	1.49624	6.8	0.7	3.8	0.6	1.1	0.3	0.8	0.3	31.5	1.5	6.4	281.1	21.5	1675.5		1.5
SMDH 00187	19.6	70.3	139.3	17.2	57.9701	10.3738	1.49624	6.1	0.8	4.4	0.7	1.7	0.3	1.6	0.3	28.0	2.0	7.1	324.1	21.5	1543.1		
SMDH 00187	7.2	46.3	85.2	10.3	33.6226	5.53268	1.95662	3.3	0.3	1.8	0.3	0.6	0.3	0.3	0.3	15.9	0.7	5.3	241.3	10.0	515.1		
SMDH 00188	20.3	134.9	331.4	31.9	92.7521	16.7133	0.92076	9.4	1.1	5.7	0.8	2.6	0.3	2.5	0.3	53.4	4.2	27.6	956.6	24.3	1129.6	0.4	
SMDH 00188	25.0	62.5	137.4	15.6	54.4919	10.1433	1.15095	5.7	0.8	4.7	1.0	2.4	0.3	4.0	0.3	29.4	3.2	10.0	400.9	28.6	1410.2		1.5
SMDH 00188	26.5	68.1	146.3	16.9	55.6513	9.22114	1.49624	5.7	0.9	5.0	1.0	3.5	0.6	3.9	0.3	29.0	2.0	8.6	329.5	28.6	1249.5		
SMDH 00188	39.5	91.3	182.6	20.5	68.4047	12.4485	1.84152	7.1	1.2	5.8	1.3	3.9	0.6	4.4	0.3	34.6	2.6	9.4	361.7	27.2	1049.8		
SMDH 00188	43.5	68.4	141.2	18.7	61.4483	11.9875	1.38114	8.0	1.2	6.5	1.3	3.3	0.3	4.2	0.6	20.1	1.9	7.8	352.8	38.6	1122.9	0.9	
SMDH 00188	26.6	52.4	110.8	14.2	46.3761	8.87535	1.26605	5.2	0.7	3.8	0.8	2.3	0.3	2.7	0.3	16.7	0.9	7.3	333.6	18.6	825.5		
SMDH 00188	39.9	64.5	138.0	17.5	56.8107	10.9501	1.38114	7.1	0.9	5.5	1.1	3.4	0.3	4.4	0.6	20.3	1.9	8.0	368.0	30.0	892.1		
SMDH 00188	38.0	61.9	131.1	16.0	52.1731	9.45167	1.26605	6.4	1.1	5.8	1.1	3.2	0.3	3.8	0.6	18.6	2.0	8.1	377.3	21.5	894.4		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00188	33.0	71.9	151.1	17.8	60.2889	11.1806	1.38114	7.6	1.1	6.0	1.0	2.7	0.3	2.7	0.3	29.3	2.5	9.3	410.6	30.0	1089.5	0.6	
SMDH 00188	26.7	72.1	146.2	16.8	55.6513	9.6822	1.38114	6.4	0.8	4.8	0.9	3.2	0.3	3.1	0.3	28.0	1.9	6.7	281.6	18.6	944.2		1.5
SMDH 00188	33.3	76.5	163.3	18.5	67.2453	10.8348	1.38114	7.4	0.9	5.7	1.0	3.0	0.6	3.3	0.6	31.8	2.0	11.1	496.1	25.7	1125.4		
SMDH 00188	30.2	65.5	141.1	16.6	54.4919	10.3738	1.15095	6.9	0.9	5.3	1.0	2.5	0.3	2.7	0.3	27.6	1.9	7.2	309.5	27.2	1125.4		1.5
SMDH 00188	34.9	85.0	169.3	19.0	64.9265	11.8722	1.38114	7.8	1.2	6.5	1.3	3.9	0.6	4.2	0.6	36.0	2.4	8.6	374.3	32.9	976.9		
SMDH 00188	43.6	78.3	163.3	19.0	67.2453	12.1027	1.49624	8.2	1.1	6.4	1.4	3.9	0.7	4.3	0.7	30.9	2.5	8.6	374.7	27.2	932.7		
SMDH 00188	43.3	68.4	143.2	17.1	59.1295	12.6791	1.38114	8.0	1.2	6.8	1.4	4.0	0.7	4.2	0.6	27.7	2.6	9.8	439.4	35.8	986.7	0.3	
SMDH 00188	40.2	77.7	162.5	19.1	64.9265	11.8722	1.49624	8.1	1.2	6.4	1.3	3.5	0.6	3.8	0.6	31.7	2.6	10.6	465.8	31.5	971.3		1.5
SMDH 00189	27.9	92.4	185.5	21.7	75.3611	13.3707	1.15095	8.1	0.9	5.0	0.9	2.5	0.3	2.4	0.3	35.4	2.8	18.8	840.3	27.2	1988.8		
SMDH 00189	20.3	69.1	186.4	16.8	55.6513	10.7196	0.92076	6.2	0.8	3.9	0.8	1.9	0.3	2.6	0.3	34.0	2.4	13.7	598.0	47.2	1693.3		
SMDH 00189	23.4	64.7	109.1	16.8	54.4919	9.91272	2.18681	6.6	0.9	5.2	0.9	2.6	0.3	3.0	0.3	16.6	1.5	8.1	371.3	21.5	1082.2	2.8	1.2
SMDH 00189	31.3	81.6	163.6	19.1	63.7671	10.9501	1.72643	7.2	1.1	5.3	1.1	2.9	0.3	3.2	0.3	27.5	1.8	7.9	361.6	24.3	1044.4		
SMDH 00189	16.6	31.3	65.2	7.3	24.3474	4.49531	1.26605	3.4	0.3	3.0	0.6	1.5	0.3	1.7	0.3	9.1	0.9	5.8	275.6	14.3	730.7		
SMDH 00189	19.4	47.6	99.9	11.3	39.4197	7.14638	1.49624	5.3	0.7	3.9	0.7	1.8	0.3	1.8	0.3	15.9	1.3	5.1	236.0	20.0	951.6		1.4
SMDH 00189	20.4	52.3	102.0	10.9	38.2603	6.68533	1.38114	4.6	0.3	3.8	0.6	2.1	0.3	1.9	0.3	16.9	1.2	6.5	291.8	14.3	711.5		
SMDH 00189	23.2	51.9	102.5	12.1	41.7385	7.37691	1.72643	5.7	0.8	4.4	0.8	2.2	0.3	2.3	0.3	14.4	1.4	7.9	351.7	20.0	994.4	0.3	
SMDH 00189	33.2	64.2	131.7	15.0	52.1731	8.41429	1.49624	6.4	0.9	5.8	1.1	3.1	0.3	3.5	0.3	20.9	1.8	8.7	380.1	27.2	1079.9		
SMDH 00189	22.9	51.3	109.8	12.1	41.7385	7.14638	1.38114	4.9	0.7	4.0	0.8	2.2	0.3	2.5	0.3	17.5	1.3	7.4	331.8	15.7	956.8		1.5
SMDH 00190	45.0	152.8	321.5	37.1	131.012	22.5918	0.80567	14.2	1.6	8.2	1.6	4.1	0.7	4.4	0.6	59.6	4.8	22.3	997.0	17.2	1235.5		
SMDH 00190	29.0	63.1	140.6	15.3	51.0137	8.76008	1.49624	6.3	0.9	5.6	1.1	3.0	0.3	3.1	0.3	23.5	1.8	8.6	384.3	41.5	1706.6	1.1	
SMDH 00190	38.0	48.3	107.1	12.6	42.8979	8.87535	1.95662	6.3	1.1	6.5	1.4	3.5	0.7	4.3	0.3	14.8	1.2	8.1	364.6	41.5	2702.9		1.4
SMDH 00190	33.2	74.7	154.6	18.4	57.9701	10.7196	1.49624	7.0	0.9	5.7	1.1	3.2	0.6	3.5	0.3	27.1	2.0	7.3	322.2	28.6	727.9		
SMDH 00190	38.3	61.4	123.1	14.7	48.6949	8.87535	1.49624	5.8	0.9	6.2	1.4	3.9	0.7	4.3	0.6	22.1	1.4	7.4	328.1	31.5	1089.7		
SMDH 00190	21.7	52.1	102.1	11.9	40.5791	7.14638	1.03586	4.7	0.6	4.0	0.8	2.1	0.3	2.4	0.3	18.5	1.1	4.8	216.4	18.6	739.1	0.4	1.5
SMDH 00190	28.3	62.6	128.9	14.9	49.8543	8.87535	1.38114	5.7	0.8	4.9	1.0	2.7	0.3	2.8	0.3	23.4	1.3	6.3	291.9	18.6	745.6		
SMDH 00190	34.3	63.3	131.5	15.6	49.8543	8.76008	1.38114	5.6	0.8	5.5	1.3	3.5	0.7	4.1	0.3	22.7	1.8	8.1	349.5	21.5	881.1		
SMDH 00190	37.8	62.6	130.9	15.4	53.3325	9.22114	1.26605	6.0	0.9	6.1	1.4	3.8	0.6	3.6	0.3	22.5	1.8	7.8	353.9	15.7	887.6		1.5
SMDH 00190	37.9	78.6	155.7	17.1	60.2889	11.2959	1.61133	6.9	0.9	6.3	1.4	4.0	0.7	4.2	0.7	30.1	2.2	10.8	493.2	21.5	793.3	1.0	1.4
SMDH 00190	36.0	84.2	165.6	18.4	63.7671	10.9501	1.95662	7.2	0.9	6.2	1.3	4.0	0.6	4.1	0.6	31.5	2.2	7.0	321.6	27.2	888.6		
SMDH 00190	40.8	95.6	186.5	22.1	73.0423	13.2554	1.84152	8.0	1.2	7.2	1.5	3.9	0.7	4.1	0.6	30.8	2.1	11.8	496.1	25.7	668.1	0.3	
SMDH 00190	34.3	83.6	169.6	19.7	66.0859	12.3333	1.49624	7.9	1.1	6.1	1.1	3.2	0.6	3.5	0.3	31.3	1.8	8.0	321.8	27.2	985.3		
SMDH 00190	41.8	85.2	175.1	20.1	66.0859	12.3333	1.72643	7.8	1.1	7.7	1.5	4.2	0.7	4.1	0.6	29.6	2.8	11.6	488.9	27.2	898.9		1.5
SMDH 00191	50.4	176.1	364.7	43.0	141.447	23.8597	1.15095	15.4	2.0	10.1	1.8	4.7	0.8	4.8	0.7	66.8	4.2	22.9	992.7	17.2	612.5		
SMDH 00191	19.4	70.5	158.7	16.6	53.3325	9.3364	1.15095	5.4	0.7	3.7	0.7	2.1	0.3	2.3	0.3	27.3	1.2	7.9	349.9	27.2	761.3	0.8	
SMDH 00191	27.0	73.5	151.6	17.8	56.8107	10.1433	1.38114	6.4	0.8	4.8	0.9	2.6	0.3	3.0	0.3	26.9	1.2	8.0	331.8	18.6	896.5		1.6
SMDH 00191	36.1	89.4	187.7	21.7	73.0423	13.0249	1.61133	8.5	1.1	6.3	1.3	3.4	0.6	3.8	0.3	32.6	1.9	8.6	372.6	27.2	985.3		
SMDH 00191	48.3	92.0	181.5	22.5	70.7235	12.5638	1.61133	8.4	1.2	7.0	1.7	4.2	0.7	5.3	0.7	31.9	2.2	16.2	907.1	35.8	1061.4	0.5	1.4
SMDH 00191	36.4	76.6	158.9	18.3	62.6077	10.7196	1.26605	6.9	0.9	5.5	1.3	3.5	0.6	4.2	0.7	29.5	2.2	8.8	394.7	21.5	819.0		
SMDH 00191	36.6	96.2	196.8	23.7	76.5205	13.947	1.61133	8.1	1.1	5.8	1.3	3.4	0.7	4.1	0.6	37.4	2.4	10.6	480.2	22.9	970.3		
SMDH 00191	40.2	88.8	183.7	22.1	70.7235	12.4485	1.49624	7.8	0.9	6.1	1.5	3.9	0.7	4.7	0.7	33.4	1.9	10.0	445.6	21.5	1138.8		1.4
SMDH 00191	26.2	73.7	149.6	18.1	56.8107	10.028	1.61133	6.0	0.7	4.2	0.9	2.5	0.3	3.1	0.3	27.8	1.5	8.0	351.5	20.0	931.6	0.4	
SMDH 00191	38.7	93.5	194.6	23.4	75.3611	13.0249	1.49624	7.9	0.9	6.3	1.4	3.8	0.7	4.4	0.6	37.1	2.2	7.8	363.5	18.6	908.7		
SMDH 00192	47.4	217.5	465.5	56.4	184.345	35.8472	1.49624	21.9	2.3	10.3	1.7	4.0	0.6	4.2	0.6	110.4	4.7	27.2	1217.9	12.9	790.2		1.4
SMDH 00192	44.0	126.1	257.2	33.5	107.824	20.2865	1.84152	12.5	1.5	7.9	1.6	3.8	0.6	4.0	0.6	61.9	2.1	11.7	519.7	28.6	1179.9		
SMDH 00192	56.0	158.7	338.6	41.8	141.447	26.626	1.84152	16.4	1.9	10.7	1.9	4.9	0.8	5.0	0.7	79.4	2.8	14.0	577.7	31.5	1229.4	0.6	
SMDH 00192	44.2	129.5	280.0	35.1	122.897	22.3613	1.49624	15.4	1.6	9.3	1.7	4.1	0.7	4.9	0.7	66.5	2.4	11.2	462.1	20.0	998.6		1.6
SMDH 00192	38.5	116.7	250.7	31.6	106.665	19.2491	1.72643	11.8	1.3	6.9	1.4	3.4	0.6	4.2	0.7	59.3	1.4	10.5	432.3	11.4	956.6		
SMDH 00192	38.3	142.4	302.0	37.1	127.534	22.3613	1.72643	13.4	1.4	7.1	1.4	3.3	0.6	3.9	0.6	68.8	1.5	10.7	461.2	12.9	998.6		
SMDH 00193	23.8	89.5	189.5	22.6	79.9987	14.7538	0.57548	8.7	0.9	4.7	0.8	1.8	0.3	1.9	0.3	43.4	2.1	10.4	472.8	8.6	477.2	0.6	1.5
SMDH 00193	24.0	72.8	153.7	16.9	60.2889	10.9501	1.15095	7.1	0.8	4.6	0.8	2.4	0.3	2.3	0.3	34.3	1.5	8.0	371.2	14.3	619.7		
SMDH 00193	23.2	82.4	179.8	19.3	70.7235	13.0249	1.38114	7.7	0.8	4.6	0.8	2.4	0.3	1.8	0.3	43.3	1.5	7.3	349.6	15.7	675.3		
SMDH 00193	35.5	96.4	195.8	22.6	84.6363	16.137	1.84152	9.3	1.2	6.3	1.3	3.7	0.3	3.3	0.3	48.7	1.8	7.9	363.6	24.3	800.0	1.2	1.4
SMDH 00193	36.1	74.8	161.4	20.1	69.5641	13.3707	1.49624	9.3	1.1	6.6	1.3	3.1	0.3	3.3	0.3	37.4	1.5	10.3	433.6	21.5	854.5		
SMDH 00193	31.2	89.8	195.7	23.9	83.4769	15.7912	1.38114	10.0	1.2	5.8	1.1	2.4	0.3	2.3	0.3	45.7	1.7	10.0	431.2	31.5	847.7		
SMDH 00193	50.7	107.3	224.4	25.5	96.2303	16.9438	1.72643	11.5	1.5	8.8	1.6	5.1	0.8	4.9	0.7	58.4	2.1	9.4	433.2	25.7	957.3		
SMDH 00193	40.4	86.5	187.9	22.3	78.8393	15.7912	1.84152	10.1	1.3	7.1	1.4	3.3	0.3	3.5	0.3	42.6	1.8	8.3	348.1	24.3	790.0		1.5
SMDH 00193	31.8	86.8	186.0	21.0	77.6799	14.6386	1.84152	9.6	1.2	6.1	1.1	3.0	0.3	2.2	0.3	40.9	1.4	12.7	645.7	32.9	950.7	0.6	
SMDH 00194	23.6	71.9	150.5	15.9	61.4483	10.489	1.15095	6.6	0.8	4.1	0.8	2.3	0.3	1.8	0.3	29.1	1.4	9.2	351.2	21.5	560.6		
SMDH 00194	31.6	150.5	309.7	34.1	128.694	20.517	2.07171	11.9	1.4	6.4	1.1	2.7	0.3	1.9	0.3	62.5	2.0	12.1	497.9	30.0	1027.8		1.4
SMDH 00194	45.9	144.3	308.9	33.5	125.215	20.6323	2.07171	13.1	1.5	8.4	1.6	4.6	0.7	4.0	0.7	66.8	2.8	10.3	411.6	24.3	593.3		
SMDH 00194	44.0	101.1	215.3	23.1	88.1145	15.6759	1.72643	9.1	1.2	6.6	1.5	4.1	0.6	3.5	0.7	43.8	2.2	11.9	481.7	31.5	904.0	0.6	
SMDH 00194	41.4	100.1	213.8	23.2	86.9551	15.0996	1.84152	9.1	1.2	7.0	1.4	3.9	0.6	3.4	0.6	43.4	2.1	9.3	403.1	31.5	869.0		1.4
SMDH 00194	52.7	128.5	272.2	28.6	108.984	17.866	2.18681	11.2	1.5	8.6	1.8	5.0	0.8	4.2	0.8	52.4	2.2	12.0	523.4	30.0	976.4		
SMDH 00194	43.5	110.0	236.9	26.2	97.3897	16.5981	1.95662	9.7	1.3	6.9	1.6	4.1	0.7	3.9	0.8	48.4	2.2	9.0	359.0	35.8	843.3		
SMDH 00194	38.8	130.1	290.7	33.6	121.737	19.9407	2.07171	12.3	1.5	7.8	1.4	3.1	0.3	3.2	0.3	61.2	2.8	10.3	424.3	32.9	871.3	0.3	1.6
SMDH 00194	37.6	161.4	348.3	40.8	141.447	23.0528	2.07171	13.3	1.8	7.8	1.4	3.2	0.3	2.8	0.3	71.1	2.1	12.0	525.3	21.5	1118.9		
SMDH 00194	23.6	128.0	278.0	31.0	111.303	17.1744	2.18681	9.9	1.1	5.2	0.9	2.1	0.3	2.0	0.3	52.8	1.7	11.9	500.7	17.2	1065.2		
SMDH 00195	62.7	193.8	425.0	48.6	179.707	30.3145	1.72643	19.6	2.5	13.6	2.2	5.0	0.7	4.9	0.7	85.7	6.0	32.8	1370.8	17.2	686.8		1.2
SMDH 00195	33.0	92.4	201.3	22.9	84.6363	14.7538	1.49624	9.2	1.3	6.8	1.3	2.9	0.3	2.7	0.3	39.4	2.7	10.3	423.9	20.0	686.8	0.7	
SMDH 00195	32.6	79.2	169.6	19.3	69.5641	13.0249	1.61133	7.9	1.1	6.5	1.1	2.7	0.3	2.7	0.3	32.3	2.6	7.9	329.6	30.0	642.4		
SMDH 00195	33.5	104.9	209.0	24.5	86.9551	14.5233	1.95662	9.4	1.3	6.4	1.3	2.6	0.3	2.7	0.3	36.6	2.2	12.0	563.3	50.1	801.2		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00195	36.2	101.3	219.7	25.3	91.5927	15.6759	1.84152	10.3	1.4	7.3	1.3	3.1	0.3	3.0	0.3	42.2	2.1	9.6	417.8	25.7	880.6		
SMDH 00195	26.6	116.0	237.9	27.5	98.5491	15.9065	1.95662	9.5	1.2	5.3	0.9	2.2	0.3	2.4	0.3	46.7	1.9	13.1	601.6	18.6	911.0	0.5	
SMDH 00195	24.3	95.2	197.6	22.1	76.5205	11.757	1.84152	7.3	0.8	4.6	0.9	2.2	0.3	2.7	0.3	37.6	1.3	13.7	615.0	17.2	1193.9		1.6
SMDH 00195	21.2	108.0	225.3	25.2	86.9551	12.9096	1.95662	8.1	0.9	4.2	0.8	1.9	0.3	1.7	0.3	41.7	1.3	12.6	536.5	15.7	941.4		
SMDH 00196	62.6	196.2	407.7	46.6	162.316	28.0092	1.49624	17.5	2.2	11.3	2.3	4.9	0.7	4.8	0.7	84.6	5.1	29.8	1279.1	15.7	731.1		
SMDH 00196	47.7	106.3	223.9	25.0	91.5927	16.2523	1.72643	10.2	1.5	8.5	1.7	4.0	0.6	4.1	0.3	46.0	4.0	9.1	391.5	27.2	876.0	1.7	1.4
SMDH 00196	38.1	114.4	238.2	26.9	96.2303	16.137	1.95662	9.7	1.3	6.9	1.3	2.9	0.3	3.0	0.3	47.0	2.7	68.3	4122.1	28.6	939.0		
SMDH 00196	38.0	126.8	276.8	29.4	106.665	18.0965	1.61133	11.2	1.4	7.2	1.4	3.1	0.3	3.0	0.3	57.9	2.9	12.1	563.7	24.3	1060.5		
SMDH 00196	40.2	139.9	276.6	32.4	111.303	18.0965	2.30191	11.8	1.5	8.2	1.5	3.4	0.3	3.4	0.3	51.8	2.6	11.9	520.3	37.2	1062.8		1.5
SMDH 00196	44.1	145.5	305.9	36.5	120.578	21.3239	1.84152	14.3	1.8	9.0	1.6	3.8	0.6	3.5	0.3	67.6	4.0	12.3	504.7	25.7	1111.0		
SMDH 00197	40.6	86.9	197.5	20.8	71.8829	12.5638	1.15095	8.7	1.1	6.8	1.5	3.2	0.7	3.9	0.6	34.3	2.6	21.0	904.6	21.5	560.1	1.4	
SMDH 00197	21.9	58.9	130.6	14.1	49.8543	8.64482	1.38114	6.1	0.6	4.2	0.7	1.8	0.3	1.8	0.3	23.2	1.3	13.0	577.7	17.2	745.2		
SMDH 00197	19.5	65.5	138.6	14.9	52.1731	8.41429	1.49624	5.8	0.6	3.7	0.8	1.5	0.3	1.3	0.3	24.4	1.1	11.0	465.1	17.2	750.3		1.6
SMDH 00197	50.4	107.4	247.3	26.4	90.4333	16.2523	1.61133	11.0	1.3	9.2	2.1	4.5	0.8	5.0	0.7	44.9	2.0	11.9	541.5	21.5	1050.9		
SMDH 00197	42.1	88.7	197.1	20.5	71.8829	13.0249	2.18681	9.1	1.1	8.0	1.7	3.3	0.7	3.8	0.3	34.1	1.7	9.6	461.3	24.3	901.9	1.3	
SMDH 00197	18.1	55.0	124.0	13.2	44.0573	7.60744	1.61133	5.2	0.3	3.4	0.7	1.4	0.3	1.4	0.3	21.8	1.2	11.0	489.9	18.6	1079.2		1.5
SMDH 00197	30.8	72.6	162.5	16.7	59.1295	10.6043	1.03586	7.2	0.8	5.3	1.1	2.5	0.3	2.8	0.3	28.0	1.4	11.3	468.7	21.5	722.0		
SMDH 00197	44.6	94.5	213.9	24.1	78.8393	13.8317	1.49624	9.6	1.4	9.7	2.1	4.3	0.9	5.2	0.8	40.4	2.2	11.3	504.3	22.9	1138.3	1.1	1.6
SMDH 00197	55.3	99.5	212.9	24.4	83.4769	14.8691	1.38114	9.6	1.4	8.5	1.8	4.7	0.8	5.3	0.8	39.0	2.6	11.0	488.2	31.5	897.7		1.6
SMDH 00197	44.5	99.8	213.8	25.0	85.7957	14.9844	1.49624	9.2	1.3	7.6	1.6	4.0	0.7	4.7	0.7	39.5	3.4	10.1	439.1	103.0	861.0		
SMDH 00197	33.5	67.3	143.4	16.5	55.6513	10.1433	1.49624	6.5	0.9	5.7	1.0	2.7	0.3	2.7	0.3	26.9	2.2	7.8	339.2	14.3	605.9		
SMDH 00198	40.9	110.3	237.5	28.0	88.1145	14.8691	1.26605	10.4	1.4	7.6	1.5	3.3	0.6	4.3	0.7	44.7	3.7	22.1	1216.9	27.2	863.3		
SMDH 00198	35.5	96.1	203.7	23.7	79.9987	14.7538	1.15095	9.1	1.3	6.3	1.3	2.6	0.6	3.8	0.6	38.3	3.1	15.7	822.5	18.6	1213.7		
SMDH 00198	39.4	142.0	299.7	34.9	113.621	19.2491	1.84152	11.5	1.5	7.8	1.4	3.2	0.6	3.3	0.3	65.0	3.4	17.8	755.8	20.0	689.6	3.5	1.6
SMDH 00198	14.1	79.2	165.9	19.8	62.6077	11.0654	1.38114	6.9	0.7	3.4	0.3	0.8	0.3	0.8	0.3	31.8	1.8	8.4	408.9	18.6	969.9		1.4
SMDH 00198	13.2	72.7	154.1	17.4	59.1295	10.6043	1.61133	6.4	0.7	3.3	0.3	0.8	0.3	0.7	0.3	30.1	1.7	9.3	492.1	21.5	1233.4	1.2	
SMDH 00198	11.2	62.7	134.1	14.9	49.8543	8.18376	1.61133	5.3	0.7	2.7	0.3	0.7	0.3	0.8	0.3	25.7	1.1	7.7	400.4	22.9	1160.5		
SMDH 00198	14.8	67.1	139.6	16.2	55.6513	9.45167	1.38114	5.6	0.6	3.0	0.3	1.0	0.3	1.4	0.3	26.8	1.3	7.5	360.3	20.0	992.3		1.7
SMDH 00198	21.5	77.9	171.0	20.2	66.0859	11.2959	1.61133	7.4	0.9	4.4	0.8	1.6	0.3	1.8	0.3	32.4	1.7	10.7	537.5	24.3	1264.2		
SMDH 00198	35.2	107.1	214.8	24.5	88.1145	14.6386	1.15095	9.2	0.9	6.6	1.3	3.2	0.6	3.5	0.3	39.2	2.2	10.3	434.4	28.6	1147.2	1.4	
SMDH 00198	21.9	81.3	170.0	19.2	66.0859	12.7943	1.49624	8.1	0.8	4.9	0.8	1.9	0.3	1.7	0.3	30.8	2.7	7.4	316.2	25.7	1072.2		1.5
SMDH 00198	12.8	51.0	104.1	11.6	40.5791	5.53268	1.03586	4.0	0.3	2.6	0.3	1.0	0.3	1.3	0.3	18.1	1.7	15.6	688.8	31.5	1067.0		
SMDH 00198	22.3	82.3	168.0	18.5	64.9265	11.4112	1.26605	7.3	0.8	4.9	0.8	1.9	0.3	1.8	0.3	30.4	2.4	7.4	329.1	20.0	993.5		
SMDH 00198	20.3	87.2	182.2	20.8	69.5641	11.8722	1.15095	7.0	0.8	3.9	0.7	1.6	0.3	1.7	0.3	33.4	2.0	9.0	382.3	18.6	1027.8	1.3	1.0
SMDH 00198	9.6	33.7	68.5	7.6	26.6662	3.91898	1.49624	2.4	0.3	1.9	0.3	1.0	0.3	0.9	0.3	10.6	0.7	3.3	146.4	8.6	515.1		
SMDH 00199	18.1	45.3	98.1	11.0	41.7385	6.91585	0.69057	4.8	0.3	3.4	0.7	1.8	0.3	1.6	0.3	19.5	1.2	8.5	389.0	11.4	499.4	1.1	1.5
SMDH 00199	32.4	83.3	177.9	20.1	71.8829	12.1027	1.15095	7.9	0.9	6.1	1.1	3.2	0.3	3.3	0.3	33.8	2.5	15.6	711.2	22.9	754.3		
SMDH 00199	34.0	100.7	210.4	24.0	82.3175	14.1775	1.38114	10.0	1.2	6.2	1.3	3.0	0.3	3.0	0.3	41.6	2.5	13.9	606.5	15.7	814.8		
SMDH 00199	27.0	66.6	138.3	16.1	59.1295	9.6822	1.15095	6.6	0.8	4.6	0.9	2.6	0.3	2.8	0.3	27.8	1.9	7.2	296.2	22.9	788.4		1.5
SMDH 00199	19.5	58.3	116.5	14.2	49.8543	8.87535	1.15095	6.3	0.7	3.9	0.7	1.7	0.3	2.3	0.3	22.7	1.7	8.0	320.5	21.5	647.5	1.9	
SMDH 00199																							
SMDH 00199	10.3	58.0	123.2	13.2	47.5355	7.7227	1.03586	4.8	0.3	2.3	0.3	0.8	0.3	1.0	0.3	20.1	0.9	8.5	271.8	21.5	508.8		
SMDH 00199	6.5	42.8	84.3	10.1	34.782	5.87848	1.61133	3.3	0.3	1.6	0.3	0.3	0.3	0.6	0.3	16.7	1.1	10.1	482.2	14.3	587.7		1.6
SMDH 00199	14.4	97.2	199.1	23.2	78.8393	14.0622	1.49624	7.6	0.8	3.3	0.6	1.3	0.3	1.3	0.3	40.9	1.9	12.0	554.8	18.6	699.6	1.4	
SMDH 00200	28.5	55.0	112.9	13.8	48.6949	7.37691	0.92076	5.5	0.8	4.7	1.0	2.4	0.3	3.0	0.3	21.6	1.3	9.2	425.4	11.4	526.0		1.5
SMDH 00200	28.6	62.6	125.6	15.4	53.3325	9.45167	1.03586	5.8	0.8	4.5	0.9	2.5	0.3	2.8	0.3	24.2	1.5	8.0	368.4	15.7	616.7		
SMDH 00200	34.7	88.2	179.4	22.3	76.5205	13.1401	0.92076	8.7	1.1	6.1	1.1	3.0	0.6	3.4	0.3	36.1	2.4	19.9	903.6	15.7	591.7		
SMDH 00200	46.3	143.1	288.3	35.7	125.215	21.3239	1.72643	14.9	1.6	8.6	1.6	3.7	0.7	3.6	0.7	59.4	3.5	22.3	994.2	18.6	966.6	3.8	1.4
SMDH 00200	50.3	228.8	488.6	57.3	195.939	34.1182	1.49624	21.8	2.5	10.9	1.9	4.0	0.6	3.8	0.6	102.1	5.2	15.6	712.3	17.2	797.9		
SMDH 00200	26.9	68.4	140.0	16.2	61.4483	10.7196	1.03586	8.0	1.1	5.3	0.9	2.4	0.3	2.5	0.3	26.3	2.1	9.1	393.5	22.9	904.2		
SMDH 00200	33.3	85.3	181.6	21.0	73.0423	13.6012	1.26605	10.1	1.3	6.4	1.0	2.5	0.3	3.2	0.3	34.0	2.9	11.2	496.7	25.7	915.7		1.4
SMDH 00200	28.5	72.6	153.3	17.7	62.6077	11.1806	1.49624	8.4	1.1	5.5	1.0	2.5	0.3	2.7	0.3	28.6	2.2	9.8	424.4	27.2	904.2	1.7	
SMDH 00200	6.2	16.8	31.2	3.5	11.594	2.07476	1.95662	1.4	0.3	1.0	0.3	0.6	0.3	0.7	0.3	3.9	0.3	7.2	316.2	34.3	598.9		
SMDH 00201	59.4	116.0	248.5	27.9	95.0709	17.1744	1.95662	10.9	1.5	9.6	1.9	4.9	0.9	5.8	0.8	45.7	3.1	16.6	701.5	28.6	1140.6		
SMDH 00201	50.2	102.1	226.0	24.9	84.6363	14.9844	1.95662	9.7	1.3	8.1	1.6	4.3	0.7	4.8	0.7	39.6	2.7	12.4	518.4	24.3	1248.5		1.4
SMDH 00201	44.4	128.5	269.6	30.5	104.346	17.9812	1.49624	10.3	1.4	7.9	1.5	3.8	0.7	4.0	0.6	52.1	3.4	23.0	963.0	17.2	940.2	2.1	
SMDH 00201	38.5	112.7	241.9	27.4	91.5927	15.7912	1.26605	9.4	1.3	7.1	1.3	3.2	0.6	3.4	0.3	47.9	3.2	21.0	893.8	30.0	818.7		
SMDH 00201	39.4	156.4	331.8	38.0	126.375	22.3613	1.26605	12.5	1.5	7.8	1.4	3.2	0.3	3.2	0.3	66.3	3.7	20.3	877.5	12.9	852.6		1.5
SMDH 00201	106.2	701.1	1405.2	145.1	473.036	77.4576	2.64719	38.5	4.9	23.6	3.5	7.1	0.9	5.3	0.8	368.4	11.6	13.8	565.4	15.7	1171.0		
SMDH 00201	28.5	97.5	200.8	22.6	75.3611	13.1401	1.61133	7.6	1.1	5.4	1.0	2.5	0.3	2.6	0.3	39.2	2.2	9.9	398.9	18.6	629.3	1.4	
SMDH 00201	36.6	83.0	170.3	19.2	64.9265	10.9501	1.72643	6.5	0.9	6.1	1.1	3.1	0.6	3.9	0.6	33.7	3.3	8.7	338.2	41.5	590.3		1.4
SMDH 00201	46.0	97.1	200.9	23.5	83.4769	13.947	1.38114	10.0	1.3	8.1	1.6	4.3	0.8	5.1	0.8	40.0	2.7	9.6	390.4	18.6	751.7		1.5
SMDH 00201	43.0	99.0	199.7	24.5	84.6363	15.7912	1.26605	11.3	1.4	8.0	1.5	3.5	0.7	3.8	0.7	38.6	2.6	7.7	323.1	27.2	779.3		
SMDH 00201	44.0	80.8	169.7	20.1	74.2017	13.6012	1.26605	9.1	1.4	7.1	1.5	4.2	0.6	4.2	0.6	34.2	2.6	9.0	325.1	20.0	938.1	2.0	
SMDH 00201	10.9	48.2	98.1	11.6	41.7385	7.03112	0.92076	4.6	0.3	2.4	0.3	0.9	0.3	0.8	0.3	19.6	2.7	6.6	303.8	11.4	302.3		1.8
SMDH 00201	21.0	92.0	187.7	22.2	76.5205	12.9096	1.26605	8.4	0.9	4.5	0.8	1.7	0.3	1.7	0.3	36.9	2.1	5.8	240.0	14.3	749.6		
SMDH 00201	11.2	52.3	105.0	12.1	42.8979	7.37691	1.03586	4.6	0.3	2.2	0.3	1.0	0.3	1.0	0.3	20.0	1.2	7.2	308.0	15.7	918.7		
SMDH 00201	24.8	86.0	173.7	20.4	73.0423	13.1401	1.15095	8.0	1.1	4.7	0.9	1.9	0.3	2.3	0.3	36.7	2.0	9.0	341.8	18.6	797.9	1.6	1.6
SMDH 00201	22.8	71.1	146.9	17.2	61.4483	10.489	1.03586	7.8	0.8	4.4	0.8	1.8	0.3	1.7	0.3	29.9	1.7	6.6	267.2	18.6	701.2		
SMDH 00202	38.9	84.5	177.4	20.1	75.3611	11.757	1.61133	8.9	1.2	6.5	1.4	3.5	0.3	4.1	0.6	32.3	2.2	18.3	789.8	22.9	1160.5		
SMDH 00202	36.8	70.6	149.9	17.3	61.4483	10.9501	1.49624	7.3	1.1	6.1	1.3	3.3	0.3	3.5	0.6	26.9	1.9	11.9	449.1	28.6	1259.5		1.7

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00202	29.8	97.8	204.5	23.7	83.4769	13.7164	1.03586	9.4	1.1	5.8	1.1	2.6	0.3	2.8	0.3	40.0	2.8	23.3	1019.2	20.0	729.5	3.5	1.6
SMDH 00202	40.9	143.0	288.4	33.3	112.462	19.4797	1.61133	10.9	1.4	7.7	1.4	3.2	0.3	3.4	0.3	55.8	3.2	15.2	642.7	18.6	743.3		
SMDH 00202	66.9	257.4	539.9	62.3	222.605	35.8472	1.49624	24.3	2.8	14.5	2.3	5.8	0.8	5.8	0.7	113.7	6.6	21.6	943.7	25.7	1015.9		1.6
SMDH 00202	28.1	65.5	131.7	14.9	51.0137	9.10587	1.15095	6.3	0.8	4.7	0.9	2.5	0.3	2.4	0.3	25.0	2.0	8.7	369.4	30.0	577.9		
SMDH 00202	27.8	52.9	111.9	12.5	42.8979	7.7227	1.26605	5.4	0.8	4.8	0.9	2.5	0.3	2.7	0.3	19.9	1.8	5.9	252.7	15.7	633.7	1.1	1.6
SMDH 00202	22.8	57.1	120.9	13.7	48.6949	8.18376	1.49624	5.6	0.7	4.6	0.8	2.2	0.3	2.2	0.3	21.9	2.5	8.3	326.1	25.7	679.7	1.5	
SMDH 00202	31.6	55.2	114.9	13.2	45.2167	8.41429	0.92076	6.2	0.8	5.3	1.0	3.0	0.3	3.6	0.3	21.6	2.1	8.6	364.9	17.2	625.3		1.6
SMDH 00202	39.2	92.7	185.9	20.5	70.7235	11.757	0.92076	8.6	1.1	6.8	1.4	3.4	0.3	3.9	0.6	34.0	2.8	7.3	282.3	25.7	954.0		
SMDH 00202	54.9	87.2	171.9	19.5	66.0859	11.5264	0.92076	8.8	1.3	8.5	1.9	5.4	0.8	5.7	0.8	32.6	3.2	6.7	274.2	22.9	1112.6		
SMDH 00202	33.8	67.1	133.2	15.3	52.1731	9.3364	1.15095	6.4	0.8	5.7	1.3	3.5	0.6	3.9	0.6	25.9	2.5	6.3	264.1	17.2	756.8	1.8	1.5
SMDH 00202	51.8	84.2	167.3	20.5	67.2453	11.6417	0.80567	8.9	1.2	8.7	1.9	5.0	1.0	7.2	0.9	34.4	4.4	7.8	292.0	20.0	523.2		
SMDH 00202	16.0	55.8	110.3	13.0	44.0573	7.14638	1.38114	5.3	0.6	3.0	0.7	1.6	0.3	1.6	0.3	21.9	1.8	6.4	273.7	25.7	819.7		
SMDH 00202	18.6	86.9	174.0	21.3	69.5641	10.8348	1.03586	6.8	0.7	3.8	0.7	1.5	0.3	2.0	0.3	36.0	2.8	14.4	634.3	22.9	936.9		1.5
SMDH 00202	20.3	104.2	215.0	23.4	81.1581	12.9096	2.30191	8.0	0.9	4.5	0.7	1.7	0.3	1.4	0.3	40.9	2.4	5.7	226.7	14.3	717.4		
SMDH 00202	13.1	61.7	107.7	12.9	46.3761	7.7227	0.57548	5.3	0.7	3.0	0.3	0.8	0.3	0.8	0.3	21.5	3.1	4.1	177.9	35.8	497.1	1.6	
SMDH 00202	20.0	112.3	206.5	24.6	89.2739	14.7538	1.26605	9.6	0.9	4.9	0.8	1.6	0.3	1.4	0.3	43.2	4.4	9.4	370.1	28.6	1000.7		
SMDH 00202	14.6	76.2	156.0	17.4	62.6077	10.1433	1.03586	6.2	0.7	3.7	0.6	1.1	0.3	1.1	0.3	29.8	2.1	8.6	351.6	15.7	495.4		1.6
SMDH 00202	16.2	99.8	201.4	23.5	79.9987	13.6012	1.49624	7.8	0.8	3.4	0.6	1.4	0.3	1.4	0.3	41.6	1.5	5.1	201.5	12.9	474.2		
SMDH 00203	34.5	68.6	138.3	16.8	61.4483	10.8348	1.15095	7.6	0.9	6.4	1.3	3.0	0.3	3.5	0.3	28.8	2.1	12.9	525.9	17.2	773.4	2.8	
SMDH 00203	26.9	59.4	118.2	13.2	47.5355	8.18376	1.26605	6.1	0.8	4.6	1.0	2.4	0.3	2.8	0.3	19.6	1.8	11.1	468.7	24.3	996.5		1.5
SMDH 00203	31.1	69.7	143.8	16.5	56.8107	10.028	1.49624	7.6	0.9	5.4	1.1	3.0	0.6	3.2	0.3	25.7	2.5	11.9	528.4	24.3	986.7		
SMDH 00203	53.0	55.9	111.3	13.5	44.0573	9.91272	1.84152	8.5	1.4	9.2	1.8	4.8	0.9	5.7	0.7	15.9	2.1	7.8	331.8	31.5	1334.0		
SMDH 00203	37.0	28.2	58.3	7.3	25.5068	5.64795	1.38114	5.8	0.9	6.0	1.3	3.4	0.6	3.9	0.3	7.8	1.3	3.5	166.6	21.5	820.8	2.2	1.5
SMDH 00203	24.2	28.2	57.8	6.8	23.188	5.18689	1.38114	4.1	0.6	3.9	0.8	2.1	0.3	2.3	0.3	8.7	1.2	5.2	223.8	17.2	633.0		
SMDH 00203	20.9	61.1	127.3	14.1	47.5355	7.95323	1.38114	4.9	0.7	3.7	0.7	1.8	0.3	1.9	0.3	23.7	1.7	7.5	296.8	12.9	587.9		
SMDH 00203	7.0	38.3	73.8	8.3	26.6662	4.95636	1.84152	3.1	0.3	1.5	0.3	0.3	0.3	0.3	0.3	12.7	0.3	0.7	39.2	14.3	251.6		
SMDH 00203	19.4	43.5	86.8	10.1	34.782	6.4548	1.72643	4.7	0.6	3.8	0.8	1.8	0.3	1.8	0.3	14.9	0.9	3.4	149.0	14.3	437.3		1.7
SMDH 00203	25.7	43.3	89.5	10.6	35.9414	7.60744	1.61133	5.4	0.7	4.9	0.9	2.5	0.3	2.7	0.3	16.1	1.3	5.7	234.0	18.6	693.1	1.4	
SMDH 00203	22.8	48.7	101.0	11.6	40.5791	7.37691	1.49624	5.4	0.7	3.9	0.8	1.9	0.3	2.0	0.3	18.7	1.1	5.1	225.3	30.0	470.9		
SMDH 00203	19.5	53.1	110.0	12.2	42.8979	8.18376	1.15095	5.3	0.7	3.6	0.7	1.7	0.3	1.8	0.3	21.5	1.4	5.4	238.3	20.0	448.0		1.4
SMDH 00203	21.3	51.5	106.3	12.2	41.7385	8.41429	1.38114	5.7	0.7	4.2	0.7	1.9	0.3	1.9	0.3	19.6	1.5	7.4	307.4	25.7	673.7		
SMDH 00203	17.6	57.9	119.1	14.2	46.3761	8.52955	1.61133	5.0	0.7	3.3	0.7	1.5	0.3	1.3	0.3	23.1	1.4	7.1	298.3	18.6	472.6	0.9	
SMDH 00203	17.1	58.5	118.5	13.1	44.0573	7.26165	1.26605	4.6	0.6	3.4	0.6	1.5	0.3	1.5	0.3	22.4	1.3	6.7	269.9	18.6	504.3		1.6
SMDH 00203	27.0	65.7	138.1	15.1	49.8543	8.99061	1.49624	5.6	0.8	4.8	0.9	2.4	0.3	2.5	0.3	28.0	1.9	8.5	350.1	17.2	641.2	0.5	
SMDH 00203	34.7	70.4	147.2	15.5	54.4919	9.22114	1.61133	6.2	0.9	6.1	1.1	3.8	0.3	3.0	0.3	29.8	2.1	8.5	348.5	24.3	831.3		
SMDH 00204	33.0	59.4	128.5	13.6	46.3761	7.95323	1.15095	5.8	0.8	5.4	1.1	3.0	0.3	3.5	0.3	22.7	2.0	11.1	488.9	12.9	747.7		1.4
SMDH 00204	37.5	68.1	145.2	15.6	53.3325	9.79746	1.72643	6.5	0.9	6.3	1.3	3.3	0.6	3.9	0.6	24.9	2.2	9.6	414.0	20.0	1188.7		
SMDH 00204	39.9	69.3	150.1	16.5	56.8107	10.1433	1.84152	6.5	1.1	6.8	1.3	3.5	0.6	3.9	0.6	25.6	2.2	10.3	418.1	22.9	1208.8	4.1	
SMDH 00204	17.1	44.7	95.2	10.8	39.4197	6.91585	0.92076	4.6	0.3	3.3	0.6	1.4	0.3	1.6	0.3	19.4	1.1	3.9	200.9	17.2	401.1		1.7
SMDH 00204	11.4	30.1	62.3	7.4	25.5068	4.72583	1.15095	2.6	0.3	2.1	0.3	0.8	0.3	1.0	0.3	11.9	1.2	5.7	255.3	17.2	582.1		
SMDH 00204	10.1	79.5	129.1	16.3	53.3325	7.7227	2.18681	4.5	0.3	2.3	0.3	0.7	0.3	1.0	0.3	15.8	0.9	4.8	213.6	42.9	497.1		
SMDH 00204	6.5	30.8	60.5	7.1	24.3474	4.61057	1.61133	2.2	0.3	1.3	0.3	0.3	0.3	0.3	0.3	11.4	0.8	4.7	239.6	22.9	737.4	1.6	1.7
SMDH 00204	17.1	41.2	75.7	8.8	27.8256	4.03425	1.95662	2.9	0.3	2.6	0.6	1.5	0.3	2.5	0.3	9.8	0.3	7.0	289.6	31.5	794.7		
SMDH 00266	41.3	157.0	317.8	36.9	127.534	21.6697	1.72643	13.7	1.6	8.6	1.6	3.3	0.3	3.3	0.3	61.9	3.7	26.5	1387.3	30.0	769.9	1.6	
SMDH 00266	33.1	101.7	203.0	22.8	84.6363	15.0996	1.49624	9.2	1.1	6.1	1.1	2.6	0.3	2.8	0.3	39.7	2.5	7.9	341.5	30.0	956.8		
SMDH 00266	29.8	68.8	137.2	15.9	56.8107	9.79746	1.38114	6.1	0.7	4.9	1.0	2.5	0.3	3.0	0.3	26.7	1.5	7.8	327.6	18.6	865.2		
SMDH 00266	24.8	75.0	152.0	18.0	62.6077	10.8348	1.49624	6.8	0.8	4.7	0.9	2.1	0.3	2.2	0.3	28.8	1.5	6.1	261.6	17.2	653.1		1.6
SMDH 00266	33.6	79.3	164.6	19.1	68.4047	11.4112	1.38114	8.0	0.9	6.0	1.3	2.9	0.3	3.5	0.3	32.8	2.2	11.7	606.2	20.0	904.5	0.6	
SMDH 00266	7.6	36.0	80.6	8.5	28.985	4.72583	1.61133	3.0	0.3	1.6	0.3	0.8	0.3	0.8	0.3	14.9	0.7	9.1	439.0	18.6	871.1		1.5
SMDH 00266	24.8	78.0	152.6	17.5	61.4483	9.3364	1.61133	6.2	0.7	4.2	0.9	2.3	0.3	2.7	0.3	29.5	1.1	11.3	490.1	22.9	1050.2		1.5
SMDH 00266	66.3	156.6	310.7	36.6	128.694	21.7849	1.61133	14.1	1.8	12.1	2.5	6.0	1.0	7.0	1.0	62.7	2.0	6.8	276.5	21.5	898.9		
SMDH 00266	14.4	52.7	105.4	12.0	42.8979	6.22427	1.38114	4.0	0.3	2.6	0.3	1.1	0.3	1.5	0.3	20.4	0.8	9.6	400.9	21.5	897.0		
SMDH 00266	23.7	90.6	175.4	20.4	71.8829	11.8722	1.84152	7.4	0.8	4.4	0.9	2.1	0.3	2.0	0.3	32.9	1.5	7.9	334.7	15.7	850.3	0.3	1.7
SMDH 00266	26.1	80.7	161.0	18.6	64.9265	10.028	1.72643	6.3	0.7	4.7	0.9	2.4	0.3	2.7	0.3	30.7	1.4	12.9	554.5	15.7	964.3		
SMDH 00266	11.5	81.7	165.1	18.7	64.9265	10.489	1.72643	6.4	0.6	2.9	0.3	1.0	0.3	0.7	0.3	30.8	1.1	9.6	395.0	15.7	827.8		
SMDH 00267	46.1	64.5	125.0	14.7	49.8543	9.56693	1.72643	8.2	1.2	8.1	1.7	3.8	0.6	3.3	0.3	21.8	2.6	9.6	382.0	31.5	794.2	51.6	1.7
SMDH 00267	44.2	54.5	106.0	11.9	41.7385	8.99061	1.61133	7.7	1.2	8.0	1.6	3.4	0.6	3.1	0.3	18.3	2.2	8.4	342.8	25.7	826.0		
SMDH 00267	149.9	74.7	151.2	18.1	63.7671	12.7943	2.07171	14.0	2.6	17.3	3.7	11.2	2.1	9.1	1.5	28.2	4.4	8.7	362.7	30.0	988.6		
SMDH 00267	47.1	79.4	157.5	17.9	61.4483	12.4485	1.95662	9.9	1.5	9.2	1.7	3.8	0.6	3.4	0.3	27.4	3.5	7.2	278.5	35.8	895.1		1.7
SMDH 00267	39.7	54.5	104.9	11.9	44.0573	8.64482	1.49624	7.4	1.1	7.4	1.4	3.3	0.6	3.0	0.3	18.6	2.9	5.7	217.9	22.9	820.4	0.6	
SMDH 00267	56.3	77.4	152.4	17.1	61.4483	11.2959	1.61133	10.2	1.5	10.0	1.9	4.9	0.8	4.9	0.7	26.2	3.7	9.0	393.8	28.6	1009.1		
SMDH 00267	24.6	75.4	149.1	16.9	56.8107	10.8348	1.15095	7.6	0.9	5.2	0.8	1.9	0.3	1.9	0.3	25.3	2.6	7.9	300.6	24.3	812.9		1.8
SMDH 00267	17.7	73.0	145.7	16.1	57.9701	10.1433	1.26605	7.0	0.8	4.1	0.7	1.5	0.3	1.4	0.3	25.8	2.1	10.3	413.8	21.5	966.1		
SMDH 00267	12.4	71.4	139.4	16.6	56.8107	10.2585	1.26605	6.8	0.8	3.1	0.3	0.9	0.3	0.8	0.3	25.6	1.8	9.1	367.4	17.2	831.6	0.6	
SMDH 00267	11.8	68.2	133.7	15.5	53.3325	9.3364	1.26605	6.1	0.7	3.4	0.3	0.8	0.3	0.7	0.3	24.0	1.9	9.0	403.3	17.2	867.1		1.7
SMDH 00267	8.4	50.7	111.4	11.5	40.5791	6.33953	1.38114	4.7	0.3	1.9	0.3	0.7	0.3	0.7	0.3	20.1	1.3	8.0	380.5	20.0	698.9		
SMDH 00267	11.9	74.9	150.3	17.2	60.2889	9.6822	1.84152	6.3	0.7	3.2	0.3	0.8	0.3	0.8	0.3	27.6	1.4	6.6	293.1	20.0	839.1		1.6
SMDH 00267	19.5	61.1	126.1	14.7	51.0137	9.22114	0.92076	6.1	0.8	4.0	0.7	1.6	0.3	1.7	0.3	22.1	2.2	8.3	337.4	15.7	801.7		
SMDH 00267	15.5	91.8	187.8	21.1	75.3611	13.1401	1.49624	8.5	0.9	3.8	0.6	1.1	0.3	0.9	0.3	34.6	2.7	9.2	380.9	24.3	988.6		
SMDH 00267	15.5	95.7	193.6	20.7	73.0423	12.9096	1.38114	7.8	0.9	3.7	0.3	1.0	0.3	0.9	0.3	33.8	2.0	7.1	294.9	24.3	990.4	0.5	1.6
SMDH 00267	19.8	44.2	88.7	9.8	34.782	6.109	1.49624	4.2	0.6	3.4	0.6	1.7	0.3	2.0	0.3	16.0	1.2	3.4	147.1	10.0	446.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00267	13.9	57.3	111.9	13.0	44.0573	7.60744	1.38114	4.9	0.6	3.2	0.3	1.1	0.3	1.3	0.3	20.2	1.3	7.0	282.6	15.7	747.5		1.7
SMDH 00267	8.1	26.3	52.9	5.9	20.8692	4.14951	1.15095	2.9	0.3	1.6	0.3	0.6	0.3	0.6	0.3	8.7	1.1	8.1	362.8	11.4	536.3	0.3	
SMDH 00268	24.1	108.3	220.8	25.0	85.7957	15.9065	1.26605	10.0	1.2	5.5	0.9	1.8	0.3	1.8	0.3	42.1	3.8	13.0	534.6	17.2	693.3		
SMDH 00268	27.0	86.5	176.0	19.2	66.0859	12.5638	1.15095	8.4	1.2	5.7	0.9	2.2	0.3	1.8	0.3	32.3	3.7	9.3	385.7	22.9	852.1		1.3
SMDH 00268	18.9	72.6	166.3	18.9	63.7671	12.218	1.15095	8.5	1.1	4.7	0.8	1.6	0.3	0.9	0.3	30.2	3.8	9.2	401.9	21.5	701.5	1.2	
SMDH 00268	17.9	65.7	129.1	14.3	48.6949	9.22114	1.26605	6.2	0.8	3.9	0.6	1.1	0.3	0.9	0.3	21.8	3.5	7.5	332.4	18.6	517.6		
SMDH 00268	27.5	149.7	340.3	38.0	121.737	25.3581	1.95662	17.0	1.9	6.9	1.1	2.2	0.3	1.7	0.3	61.8	6.6	7.3	328.2	21.5	706.6		1.4
SMDH 00268	26.9	101.6	208.4	24.0	82.3175	16.2523	1.72643	10.2	1.3	6.1	0.9	1.9	0.3	1.6	0.3	39.9	4.1	8.6	397.7	20.0	771.8	1.1	
SMDH 00268	21.7	107.9	223.7	24.7	85.7957	17.6354	1.95662	10.8	1.3	5.3	0.8	1.6	0.3	1.0	0.3	42.6	4.6	3.2	146.0	20.0	777.4		1.6
SMDH 00268	16.5	82.5	168.6	18.4	63.7671	12.3333	1.49624	7.8	0.9	3.9	0.6	1.1	0.3	0.9	0.3	31.5	3.7	7.1	296.5	27.2	855.9		
SMDH 00268	17.4	88.8	172.2	19.1	67.2453	13.1401	1.26605	7.8	0.8	3.7	0.3	0.9	0.3	0.7	0.3	31.9	3.2	7.9	350.4	21.5	829.0		
SMDH 00268	11.7	66.2	133.2	13.9	48.6949	8.76008	1.15095	5.8	0.7	3.0	0.3	0.8	0.3	0.7	0.3	23.2	2.2	6.5	257.1	18.6	760.6	1.0	1.6
SMDH 00268	13.9	70.4	141.9	15.5	53.3325	10.028	1.15095	6.2	0.8	3.6	0.3	1.0	0.3	0.7	0.3	26.0	2.6	5.8	243.5	18.6	878.3		
SMDH 00268	29.0	108.7	251.0	27.5	93.9115	20.8628	1.72643	14.8	1.9	6.9	1.1	2.4	0.3	1.4	0.3	47.8	6.0	7.8	352.7	30.0	1164.0		
SMDH 00268	12.3	53.0	109.4	12.6	42.8979	8.99061	1.03586	6.1	0.7	2.9	0.3	1.0	0.3	0.7	0.3	21.0	2.4	8.3	382.4	18.6	826.4		
SMDH 00268	11.2	56.0	111.2	11.6	40.5791	7.37691	0.80567	4.9	0.6	2.7	0.3	0.8	0.3	0.8	0.3	20.9	2.2	9.8	415.4	18.6	1039.0		
SMDH 00268	15.8	106.7	218.0	25.7	84.6363	15.4454	1.72643	10.3	1.1	4.1	0.6	1.4	0.3	0.7	0.3	42.9	3.4	9.8	365.3	31.5	1281.9	1.0	1.4
SMDH 00268	15.3	93.0	184.0	21.9	71.8829	13.6012	1.49624	8.4	0.9	4.0	0.6	1.1	0.3	0.7	0.3	37.4	2.4	7.0	326.6	14.3	718.3		
SMDH 00268	16.5	69.5	141.9	17.7	56.8107	10.8348	1.38114	7.9	0.9	3.4	0.6	1.4	0.3	1.0	0.3	30.7	2.1	5.8	266.8	21.5	937.4		1.5
SMDH 00268	11.3	103.7	207.7	24.5	83.4769	16.9438	1.49624	9.3	0.9	3.3	0.3	0.8	0.3	0.6	0.3	44.2	2.7	6.0	302.7	22.9	966.6	0.5	
SMDH 00268	9.0	56.0	111.4	13.0	45.2167	9.10587	1.26605	4.7	0.6	2.4	0.3	0.7	0.3	0.7	0.3	22.7	1.8	6.3	290.6	18.6	747.5		
SMDH 00268	11.0	74.2	148.9	18.0	56.8107	11.2959	1.26605	7.2	0.7	3.1	0.3	0.9	0.3	0.6	0.3	30.0	2.5	7.8	370.7	34.3	995.8		1.5
SMDH 00268	10.0	60.3	120.4	14.4	48.6949	9.22114	1.49624	6.1	0.6	2.3	0.3	0.8	0.3	0.6	0.3	24.1	2.0	6.5	314.9	21.5	773.9		
SMDH 00268	9.3	64.2	128.6	14.1	48.6949	8.41429	1.38114	5.4	0.6	2.5	0.3	0.7	0.3	0.3	0.3	24.1	1.8	7.0	328.8	18.6	678.3		1.7
SMDH 00268	13.3	92.4	181.5	20.7	70.7235	11.9875	1.38114	7.8	0.8	3.4	0.3	0.8	0.3	0.7	0.3	33.3	2.6	8.1	348.8	28.6	905.2	0.6	
SMDH 00268	14.3	76.4	161.0	18.0	57.9701	11.757	1.61133	7.7	0.9	3.3	0.3	1.1	0.3	0.8	0.3	30.8	2.4	7.8	374.3	27.2	1092.7	0.9	
SMDH 00268	18.6	95.2	199.0	23.5	82.3175	14.1775	1.26605	9.4	1.1	4.4	0.7	1.4	0.3	1.3	0.3	45.3	2.9	6.5	276.1	32.9	917.8		
SMDH 00269	30.7	98.3	199.7	22.6	76.5205	14.408	1.03586	9.3	1.2	5.8	1.0	2.4	0.3	2.0	0.3	46.6	3.4	11.9	519.0	12.9	423.7		1.5
SMDH 00269	20.3	89.0	177.7	21.6	73.0423	13.6012	1.38114	8.4	1.1	4.6	0.7	1.6	0.3	1.3	0.3	40.0	2.6	6.6	297.4	15.7	591.9		
SMDH 00269	19.6	93.1	189.3	22.1	76.5205	14.0622	1.72643	9.1	1.1	4.6	0.7	1.6	0.3	1.1	0.3	43.4	2.2	5.3	225.3	12.9	492.4	0.9	
SMDH 00269	19.0	118.5	243.6	28.9	98.5491	18.4423	1.84152	11.1	1.3	5.0	0.7	1.4	0.3	1.0	0.3	56.3	2.7	6.8	275.6	14.3	548.5		1.6
SMDH 00269	12.0	106.5	212.8	24.1	84.6363	13.4859	2.07171	8.5	0.8	3.3	0.3	0.8	0.3	0.3	0.3	46.2	1.7	4.5	193.3	14.3	586.5		
SMDH 00269	15.8	139.8	283.5	32.9	111.303	19.7102	2.18681	11.9	1.3	4.8	0.6	1.0	0.3	0.3	0.3	63.1	2.5	7.4	301.2	14.3	677.2		
SMDH 00269	13.3	107.1	206.1	23.7	81.1581	13.8317	2.18681	8.1	0.8	3.3	0.3	0.9	0.3	0.3	0.3	42.1	1.9	8.7	376.7	18.6	816.4	1.1	1.5
SMDH 00269	31.7	294.1	582.5	64.4	226.083	37.9219	3.10757	21.7	2.2	9.2	1.3	2.2	0.3	1.0	0.3	122.4	3.4	7.9	341.6	15.7	748.2		
SMDH 00269	50.8	305.2	608.2	68.1	236.518	38.844	2.76229	23.5	2.7	11.7	1.7	3.7	0.3	2.0	0.3	125.0	4.1	11.4	466.4	20.0	937.4		
SMDH 00269	75.0	94.7	197.1	22.0	74.2017	12.7943	1.03586	9.2	1.4	9.6	2.6	8.6	1.8	12.3	2.2	37.7	2.8	9.8	364.7	15.7	672.0		1.6
SMDH 00269	39.0	73.3	144.9	16.5	57.9701	10.8348	1.15095	7.1	0.9	6.2	1.3	3.7	0.8	4.4	0.8	29.8	2.5	6.1	259.5	12.9	559.0	0.7	
SMDH 00269	32.6	72.7	147.2	16.9	55.6513	11.8722	1.38114	9.7	1.1	6.2	1.3	2.9	0.3	2.6	0.3	29.2	2.1	6.3	333.8	14.3	667.1		1.6
SMDH 00269	40.2	123.3	253.8	29.9	98.5491	19.3644	1.72643	12.4	1.4	7.2	1.4	4.1	0.6	3.3	0.6	57.9	3.1	9.2	474.0	15.7	814.5		
SMDH 00269	39.3	94.9	201.3	22.8	75.3611	13.7164	1.84152	10.3	1.2	6.9	1.3	3.5	0.7	3.9	0.3	41.6	2.8	9.9	519.5	20.0	1167.0		
SMDH 00269	21.0	73.5	149.5	17.1	57.9701	10.8348	0.80567	8.2	0.9	4.8	0.8	2.1	0.3	1.7	0.3	30.9	2.6	7.1	400.8	22.9	901.7	1.1	1.6
SMDH 00269	15.8	63.1	126.9	14.8	51.0137	9.79746	0.80567	7.3	0.8	3.8	0.6	1.6	0.3	0.8	0.3	24.3	2.7	6.5	315.3	14.3	747.5		
SMDH 00269	18.0	62.0	123.2	14.7	49.8543	9.56693	0.92076	7.1	0.7	3.8	0.6	1.6	0.3	0.9	0.3	22.7	2.9	8.0	400.4	17.2	827.8		
SMDH 00269	29.5	68.4	143.6	16.0	53.3325	9.91272	1.61133	7.4	0.8	5.7	1.0	3.5	0.7	4.1	0.9	29.4	2.0	7.1	349.9	17.2	690.5		1.6
SMDH 00269	30.5	51.4	106.7	11.0	40.5791	7.26165	1.03586	5.3	0.8	4.9	1.1	3.3	0.7	4.4	0.8	20.9	2.1	6.4	264.4	15.7	597.5		
SMDH 00269	12.7	77.4	167.9	17.2	60.2889	10.1433	1.15095	6.4	0.7	3.3	0.3	0.9	0.3	0.7	0.3	35.8	2.4	6.1	254.8	14.3	644.7		1.7
SMDH 00269	13.8	101.3	206.8	23.9	78.8393	14.9844	1.84152	9.3	0.8	3.6	0.3	1.1	0.3	0.3	0.3	44.1	2.0	5.3	247.3	15.7	683.7	0.5	
SMDH 00269	10.1	66.0	137.0	14.9	51.0137	8.76008	1.26605	5.4	0.3	2.3	0.3	0.6	0.3	0.3	0.3	25.4	2.1	7.5	341.2	17.2	717.6		
SMDH 00269	10.1	66.0	137.0	14.9	51.0137	8.76008	1.26605	5.4	0.3	2.3	0.3	0.6	0.3	0.3	0.3	25.4	2.1	7.5	341.2	17.2	717.6		
SMDH 00270	10.3	55.0	107.5	11.8	40.5791	7.7227	1.26605	4.8	0.6	2.4	0.3	0.7	0.3	0.3	0.3	19.8	1.5	3.5	160.6	7.2	161.4		1.6
SMDH 00270	6.0	33.2	68.3	7.4	26.6662	4.38004	1.26605	3.0	0.3	1.5	0.3	0.3	0.3	0.3	0.3	12.2	1.2	1.7	63.5	4.3	236.2		
SMDH 00270	16.6	65.6	141.9	15.7	52.1731	9.45167	0.80567	6.5	0.7	3.8	0.6	1.7	0.3	0.9	0.3	26.0	2.2	5.0	219.5	8.6	263.0	0.3	
SMDH 00270	11.7	34.3	63.3	7.1	23.188	5.87848	2.30191	3.3	0.3	2.2	0.3	0.8	0.3	1.0	0.3	10.2	0.9	2.2	70.1	2.9	111.0		1.6
SMDH 00270	13.1	31.7	62.4	7.0	22.0286	4.49531	1.84152	3.3	0.3	2.3	0.3	1.3	0.3	1.4	0.3	9.8	1.7	2.8	127.7	2.9	100.7		
SMDH 00270	12.8	42.7	89.0	10.1	33.6226	6.80059	1.72643	4.5	0.3	2.6	0.3	1.1	0.3	1.1	0.3	15.0	1.7	3.4	129.1	8.6	175.4		
SMDH 00270	12.9	32.1	63.0	7.0	24.3474	4.95636	1.49624	3.3	0.3	2.4	0.3	1.0	0.3	1.0	0.3	10.7	1.4	2.1	86.2	8.6	123.8	0.8	1.5
SMDH 00270	11.7	22.1	43.3	4.7	15.0722	3.34266	1.38114	2.7	0.3	1.7	0.3	0.8	0.3	1.1	0.3	7.4	1.3	1.3	55.4	5.7	143.2		
SMDH 00270	12.2	30.7	58.7	6.2	20.8692	5.18689	1.26605	3.6	0.3	2.2	0.3	1.0	0.3	1.3	0.3	9.9	1.3	2.1	76.2	4.3	170.8		
SMDH 00270	8.2	27.8	55.9	6.4	19.7098	3.91898	1.03586	3.0	0.3	1.8	0.3	0.6	0.3	0.3	0.3	9.1	1.2	1.5	62.3	4.3	140.2		1.6
SMDH 00270	11.2	24.8	49.8	5.8	18.5504	4.49531	1.26605	2.4	0.3	2.1	0.3	1.0	0.3	0.8	0.3	8.2	1.8	1.8	65.6	5.7	137.1	0.3	
SMDH 00270	11.9	45.3	90.4	10.7	33.6226	6.80059	1.38114	4.8	0.3	2.7	0.3	1.0	0.3	0.9	0.3	15.3	2.0	2.9	105.8	4.3	143.2		
SMDH 00270	16.6	18.1	39.2	4.3	20.8692	3.11213	1.26605	2.6	0.3	3.1	0.3	1.4	0.3	1.3	0.3	6.8	2.1	2.2	73.3	4.3	161.6		1.6
SMDH 00270	11.5	19.0	41.7	4.2	12.7534	3.2274	1.15095	1.9	0.3	1.8	0.3	0.9	0.3	0.9	0.3	6.6	1.1	1.9	67.4	2.9	97.6		
SMDH 00270	17.4	37.6	80.7	8.8	28.985	6.57006	1.61133	4.1	0.3	3.0	0.6	1.4	0.3	1.1	0.3	11.8	1.7	1.4	65.8	7.2	91.6	0.5	
SMDH 00271	10.3	36.9	80.6	8.8	28.985	5.18689	0.28774	3.6	0.3	1.9	0.3	0.7	0.3	0.8	0.3	15.1	1.7	5.7	259.1	2.9	137.1		1.7
SMDH 00271	10.3	56.3	122.8	13.0	44.0573	7.60744	1.49624	4.6	0.3	2.4	0.3	0.6	0.3	0.7	0.3	23.2	1.2	7.5	286.2	14.3	435.2		
SMDH 00271	7.0	28.7	61.2	6.8	23.188	4.49531	1.26605	3.0	0.3	1.4	0.3	0.3	0.3	0.3	0.3	10.6	0.8	4.8	202.9	7.2	280.3		
SMDH 00271	8.9	10.2	20.9	2.3	8.11581	2.07476	1.38114	1.7	0.3	1.5	0.3	0.6	0.3	0.8	0.3	2.8	0.6	7.2	283.4	12.9	426.3	0.8	1.5
SMDH 00271	9.1	67.6	151.7	16.5	54.4919	9.6822	1.72643	5.8	0.3	2.4	0.3	0.6	0.3	0.3	0.3	28.3	1.2	4.7	203.7	11.4	432.1		
SMDH 00271	4.1	25.6	55.7	5.9	18.5504	3.34266	1.84152	2.1	0.3	0.8	0.3	0.3	0.3	0.3	0.3	9.5	0.3	4.6	180.6	10.0	528.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00271	3.8	27.2	55.0	6.0	20.8692	3.57319	1.61133	1.9	0.3	0.9	0.3	0.3	0.3	0.3	0.3	10.2	0.3	5.3	214.1	14.3	625.6		
SMDH 00271	11.4	9.5	17.8	1.9	5.79701	1.38317	1.95662	1.3	0.3	1.6	0.3	1.1	0.3	1.4	0.3	2.7	0.6	3.3	134.4	7.2	217.5		1.6
SMDH 00271	9.4	54.2	110.6	12.7	41.7385	6.57006	1.61133	4.2	0.3	1.9	0.3	0.9	0.3	0.7	0.3	21.1	1.2	7.8	361.1	14.3	512.3	0.8	
SMDH 00271	8.9	71.1	144.3	16.6	54.4919	8.52955	1.84152	4.9	0.3	1.9	0.3	0.7	0.3	0.7	0.3	27.5	0.9	7.9	353.5	24.3	767.3	0.4	
SMDH 00271	3.2	13.3	24.6	2.8	9.27521	1.49844	1.84152	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.2	0.3	6.0	254.0	12.9	424.0		1.7
SMDH 00271	3.0	6.3	11.3	1.2	3.4782	0.80685	1.61133	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	7.2	305.1	10.0	509.5		
SMDH 00271	2.0	8.3	14.2	1.6	4.63761	0.69159	1.84152	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	2.5	103.2	10.0	324.2		
SMDH 00271	2.8	9.6	17.2	2.0	5.79701	0.92211	2.07171	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.4	0.3	3.2	142.1	14.3	328.0		
SMDH 00271	3.7	33.3	67.9	7.4	25.5068	4.72583	1.84152	2.3	0.3	1.0	0.3	0.3	0.3	0.3	0.3	11.6	0.6	3.8	155.7	10.0	352.0		1.6
SMDH 00271	7.0	58.0	122.8	13.9	46.3761	7.60744	1.84152	4.5	0.3	1.8	0.3	0.3	0.3	0.3	0.3	23.6	0.9	5.7	245.7	15.7	639.6	0.1	1.6
SMDH 00271	3.9	16.0	31.6	3.8	12.7534	1.72896	1.84152	1.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.8	0.6	4.5	187.4	11.4	434.9		
SMDH 00271	5.8	19.1	39.6	4.3	15.0722	2.53581	1.95662	1.7	0.3	1.1	0.3	0.3	0.3	0.3	0.3	6.6	0.7	5.1	208.2	17.2	478.4		
SMDH 00272	29.5	104.3	223.0	25.0	89.2739	16.4828	1.49624	9.7	1.2	6.0	1.0	2.4	0.3	2.3	0.3	43.0	2.5	11.0	439.4	18.6	872.7		1.6
SMDH 00272	50.2	95.0	204.4	23.2	82.3175	14.408	1.95662	9.5	1.4	8.2	1.6	4.6	0.8	4.7	0.6	39.6	1.9	8.1	359.3	28.6	1402.2		
SMDH 00272	42.7	81.4	186.5	19.9	69.5641	12.7943	1.49624	8.8	1.2	7.0	1.5	4.1	0.7	4.1	0.3	35.9	2.0	10.5	448.3	30.0	1196.9		
SMDH 00272	31.8	55.1	106.2	12.1	42.8979	7.37691	1.49624	5.7	0.7	4.8	1.0	3.2	0.3	3.1	0.3	21.3	1.1	4.0	184.2	15.7	592.4		1.6
SMDH 00272	97.3	41.8	84.1	10.1	32.4632	6.91585	1.61133	6.1	1.4	11.5	3.0	9.5	1.9	10.9	1.9	16.1	1.4	3.8	161.7	12.9	474.9		
SMDH 00272	23.4	48.6	92.6	10.4	34.782	6.68533	1.26605	4.2	0.3	3.6	0.7	1.9	0.3	1.9	0.3	17.5	1.2	3.1	128.5	14.3	512.5		
SMDH 00272	17.0	89.6	180.9	19.8	69.5641	10.7196	1.38114	6.6	0.7	3.2	0.6	1.6	0.3	1.5	0.3	32.7	1.4	9.0	379.4	15.7	782.3		1.5
SMDH 00272	39.5	85.2	169.7	19.7	68.4047	11.5264	1.38114	7.4	1.1	6.5	1.3	3.5	0.6	3.6	0.6	31.8	2.6	10.0	408.1	24.3	977.3		
SMDH 00272	26.0	58.1	115.3	13.1	41.7385	6.80059	1.03586	4.2	0.7	3.8	0.8	2.6	0.3	2.6	0.3	20.9	1.3	7.4	349.2	10.0	662.5		
SMDH 00272	11.7	51.0	108.6	12.2	41.7385	6.57006	1.49624	4.2	0.3	2.1	0.3	0.9	0.3	1.0	0.3	20.2	0.9	7.3	316.9	17.2	741.2		
SMDH 00272	23.4	68.5	145.5	16.8	57.9701	10.1433	1.49624	6.2	0.8	4.2	0.8	2.2	0.3	2.6	0.3	26.0	1.9	8.3	334.1	21.5	900.5		1.4
SMDH 00272	33.1	113.8	228.2	26.2	89.2739	13.6012	1.72643	9.2	1.3	5.6	1.1	3.2	0.3	3.1	0.3	41.3	2.7	10.7	444.0	24.3	1022.2		1.3
SMDH 00272	27.4	85.0	164.3	15.6	61.4483	10.8348	1.61133	6.4	0.8	4.7	0.9	2.5	0.3	3.5	0.6	26.0	1.8	6.3	292.7	28.6	658.7	0.5	
SMDH 00272	11.8	80.2	153.7	17.3	60.2889	8.99061	1.49624	5.6	0.6	2.4	0.3	1.0	0.3	1.0	0.3	29.6	1.3	7.7	316.2	17.2	952.3		
SMDH 00272	16.0	85.5	176.8	16.5	67.2453	10.8348	1.61133	6.1	0.7	3.4	0.3	1.4	0.3	1.6	0.3	33.7	1.9	10.8	457.8	18.6	1074.0		
SMDH 00272	15.1	112.1	223.7	25.1	85.7957	14.8691	1.38114	8.7	0.8	3.7	0.3	1.3	0.3	1.0	0.3	42.7	2.2	9.0	391.7	25.7	877.4		
SMDH 00272	22.1	121.9	243.0	29.8	102.027	16.7133	1.26605	10.1	1.1	4.7	0.7	1.6	0.3	1.8	0.3	55.4	3.5	10.5	459.5	34.3	1030.1		1.3
SMDH 00272	16.5	130.0	274.4	24.7	103.187	17.5202	1.38114	9.9	0.9	3.9	0.6	1.3	0.3	1.4	0.3	54.1	2.7	14.7	651.9	20.0	1030.1		1.4
SMDH 00272	10.5	132.0	270.1	32.1	111.303	16.9438	1.49624	9.4	0.8	3.0	0.3	0.8	0.3	0.3	0.3	51.7	2.1	6.3	297.4	18.6	819.7		
SMDH 00272	32.2	117.6	248.4	29.3	99.7085	16.8286	1.15095	10.2	1.1	6.0	1.0	3.3	0.6	3.6	0.3	48.9	3.2	9.1	415.5	40.1	1134.1		
SMDH 00272	24.8	88.2	185.0	21.4	75.3611	12.4485	1.03586	6.9	0.7	4.1	0.7	2.3	0.3	1.8	0.3	34.9	2.4	9.3	400.4	25.7	984.1		1.4
SMDH 00272	20.2	70.0	137.4	16.7	57.9701	10.028	1.26605	5.8	0.7	3.9	0.7	1.7	0.3	1.9	0.3	29.0	2.0	9.7	400.2	20.0	964.0	0.4	
SMDH 00272	21.2	77.0	158.2	18.4	63.7671	10.3738	1.49624	6.3	0.7	3.7	0.6	1.7	0.3	1.8	0.3	30.5	2.1	6.8	307.4	17.2	822.0		
SMDH 00272	19.4	68.6	142.0	12.5	52.1731	8.99061	1.72643	5.0	0.6	3.3	0.6	1.8	0.3	2.5	0.3	27.0	1.5	5.8	236.0	15.7	658.7		1.6
SMDH 00272	23.8	85.3	181.0	16.1	67.2453	12.3333	1.49624	7.4	0.9	4.5	0.8	2.1	0.3	2.5	0.3	34.3	2.5	6.6	282.6	17.2	902.4		
SMDH 00013	34.3	110.5	221.8	26.7	90.4333	17.0591	1.61133	10.9	1.3	7.1	1.1	2.6	0.3	2.7	0.3	39.4	20.3	10.0	426.0	81.5	894.6	0.4	
SMDH 00013	26.9	56.1	114.5	14.1	48.6949	10.6043	1.84152	7.4	1.1	6.1	1.0	2.1	0.3	2.4	0.3	18.7	3.1	8.0	346.3	65.8	1474.0		1.4
SMDH 00013	14.1	41.7	85.2	9.8	33.6226	6.4548	1.26605	4.7	0.7	3.3	0.3	1.0	0.3	0.8	0.3	15.1	1.9	4.7	205.7	35.8	804.3		
SMDH 00013	19.8	94.8	196.5	21.7	72.1148	13.3707	1.84152	8.1	1.1	4.6	0.7	1.4	0.3	0.3	0.3	39.4	5.8	12.4	241.8	54.1	509.2		
SMDH 00013	8.7	33.3	66.6	8.2	27.8256	4.61057	0.69057	3.2	0.3	1.9	0.3	0.7	0.3	0.7	0.3	12.0	1.1	3.3	143.3	17.2	555.9	0.4	1.6
SMDH 00013	25.2	49.5	105.4	13.0	44.0573	10.8348	1.49624	6.5	0.9	6.3	0.9	2.3	0.3	1.5	0.3	17.8	1.4	5.9	247.9	30.0	1109.3		
SMDH 00013	31.6	58.1	119.9	13.7	46.3761	9.91272	1.72643	6.9	1.8	6.2	0.9	1.9	0.3	2.4	0.3	26.2	81.3	8.1	261.4	30.0	990.4		
SMDH 00013	14.7	63.0	130.1	15.0	48.6949	8.87535	1.15095	5.4	0.7	3.4	0.3	1.1	0.3	1.0	0.3	22.8	2.6	6.6	278.9	34.3	918.0		1.5
SMDH 00013	42.1	104.1	213.9	24.5	83.4769	14.9844	1.26605	10.1	1.5	8.1	1.5	3.2	0.3	3.1	0.3	37.2	3.7	4.2	189.8	32.9	1018.9	0.1	
SMDH 00013	36.4	162.6	349.7	38.4	129.389	23.3986	1.84152	14.6	1.9	8.6	1.1	2.3	0.3	2.0	0.3	63.6	8.3	14.1	535.6	50.4	655.2		
SMDH 00013	21.5	100.5	207.2	23.2	79.9987	13.947	1.38114	9.2	1.2	5.3	0.8	1.5	0.3	1.3	0.3	34.1	3.3	7.1	317.6	44.3	778.6		1.6
SMDH 00012b	40.6	121.2	263.5	29.7	98.781	18.9033	1.72643	11.3	1.4	7.0	1.3	3.1	0.3	3.1	0.6	53.0	9.2	12.0	546.1	28.6	397.3		
SMDH 00012b	46.5	147.1	317.8	35.1	126.259	22.4765	2.07171	13.5	1.8	8.5	1.5	3.7	0.6	3.5	0.6	62.0	9.7	14.6	690.0	31.0	486.3		1.6
SMDH 00012b	6.7	24.8	55.8	6.4	20.8692	3.91898	0.28774	2.5	0.3	1.4	0.3	0.3	0.3	0.3	0.3	9.9	0.8	3.2	138.2	5.7	176.4		1.6
SMDH 00012b	24.6	90.6	202.1	22.0	79.9987	14.8691	1.61133	9.2	1.1	5.5	0.9	1.8	0.3	1.7	0.3	36.3	2.8	8.7	386.7	30.0	650.5		
SMDH 00012b	25.5	89.5	188.2	21.5	73.3901	14.7538	2.30191	9.1	1.1	4.7	0.8	1.8	0.3	0.9	0.3	36.9	7.1	7.8	412.5	42.6	490.8		
SMDH 00012b	29.7	83.7	183.4	21.5	72.8104	14.0622	1.72643	8.8	1.2	5.5	1.0	2.4	0.3	2.4	0.3	37.1	5.9	8.8	331.6	33.3	499.6		
SMDH 00012b	23.7	71.1	154.9	18.0	59.9411	11.8722	1.38114	7.4	0.9	4.1	0.8	1.9	0.3	2.2	0.3	33.3	3.9	8.3	392.5	27.2	495.2		
SMDH 00012b	22.1	93.4	195.0	22.2	77.6799	15.4454	1.26605	9.6	1.2	5.3	0.8	1.7	0.3	1.4	0.3	39.0	2.9	7.1	314.7	32.9	748.9		
SMDH 00012b	30.7	103.6	226.5	26.9	88.6942	18.9033	2.07171	12.0	1.4	6.2	1.0	2.4	0.3	1.5	0.3	44.6	4.8	8.0	408.3	40.9	669.5		
SMDH 00012b	36.5	65.3	150.5	17.1	58.6657	11.8722	1.61133	7.9	0.9	4.2	0.8	1.7	0.3	1.7	0.3	26.9	2.7	8.5	270.8	24.7	445.5		1.8
SMDH 00012b	27.6	73.4	163.3	19.2	65.2743	13.0249	1.72643	8.5	0.9	3.8	0.7	1.3	0.3	1.5	0.3	31.5	2.7	8.5	250.8	24.7	487.0		
SMDH 00012b	33.1	71.9	163.0	18.3	61.5642	12.4485	1.38114	8.2	0.9	4.2	0.7	1.6	0.3	1.1	0.3	31.6	3.9	11.0	471.7	25.6	628.6		
SMDH 00012b	22.8	87.6	184.5	21.1	75.3611	14.6386	1.26605	8.9	1.1	4.9	0.8	1.9	0.3	2.0	0.3	35.7	2.7	8.3	359.7	32.9	732.5	0.2	
SMDH 00012b	34.6	88.9	196.1	22.2	75.477	14.7538	1.72643	9.5	1.1	4.5	0.8	1.7	0.3	1.5	0.3	35.7	3.1	8.1	174.1	24.0	532.8		
SMDH 00012	57.0	129.9	288.2	32.7	110.259	19.8254	1.38114	13.3	1.5	6.9	1.3	2.7	0.3	2.2	0.3	54.1	5.2	17.7	742.3	22.3	314.6		
SMDH 00012	37.0	84.0	195.6	20.9	68.5206	12.218	1.49624	7.4	0.8	4.0	0.8	1.7	0.3	1.7	0.3	35.9	2.9	8.8	646.8	19.5	638.2		1.6
SMDH 00012	16.9	45.7	92.1	11.0	40.4631	6.91585	1.03586	4.2	0.3	2.3	0.3	0.7	0.3	0.8	0.3	15.6	1.5	6.1	533.0	19.7	400.1		
SMDH 00012	37.1	74.1	164.0	17.9	62.7236	11.5264	1.15095	7.1	0.9	4.5	0.8	1.7	0.3	0.8	0.3	29.2	3.4	5.9	349.0	23.5	557.1		
SMDH 00012	23.4	100.0	222.6	23.5	81.1581	13.6012	1.49624	7.7	0.8	3.6	0.7	1.7	0.3	2.2	0.3	40.3	3.5	8.2	445.2	19.2	573.5		
SMDH 00012	17.1	66.3	138.1	15.7	56.8107	9.56693	1.38114	6.2	0.8	3.9	0.7	1.1	0.3	0.8	0.3	25.6	1.7	6.5	292.2	37.2	560.4		
SMDH 00012	9.3	43.2	88.4	11.3	40.5791	6.80059	0.80567	4.1	0.3	2.3	0.3	0.8	0.3	0.7	0.3	18.9	1.2	5.1	204.1	31.5	451.3		1.2
SMDH 00012	24.3	96.2	201.9	22.9	79.9987	14.1775	1.26605	8.2	0.9	4.7	0.9	1.9	0.3	1.6	0.3	36.7	1.8	8.6	411.7	34.3	812.2	0.2	
SMDH 00012	27.2	108.0	223.5	25.8	88.1145	14.9844	1.49624	8.9	1.2	5.5	0.9	2.1	0.3	1.7	0.3	43.8	2.5	11.1	477.0	32.9	741.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00012	24.3	98.3	203.4	23.4	81.1581	14.0622	1.49624	8.2	1.1	5.0	0.8	1.7	0.3	1.5	0.3	37.4	2.0	9.6	409.7	18.6	803.8		1.7
SMDH 00011b	29.8	101.2	209.9	24.9	86.9551	14.7538	1.26605	8.6	1.1	5.7	1.0	2.5	0.3	2.6	0.3	42.0	2.4	11.8	464.3	20.0	841.6		
SMDH 00011b	31.4	95.8	198.2	23.8	77.6799	13.3707	1.26605	8.0	0.9	5.5	1.0	2.7	0.3	3.0	0.3	35.9	2.7	6.1	261.2	40.1	729.3	0.5	
SMDH 00011b	24.2	92.3	203.0	23.7	81.39	13.6012	1.15095	7.3	0.8	3.9	0.8	1.9	0.3	3.3	0.3	41.8	3.8	4.6	372.0	18.7	629.3		
SMDH 00011b	31.4	71.3	142.2	16.5	54.4919	9.6822	1.38114	6.3	1.1	4.9	1.0	2.5	0.3	3.2	0.3	26.3	8.0	7.9	300.4	60.1	640.3		
SMDH 00011b	8.1	31.5	66.7	10.6	35.7096	4.03425	1.49624	2.4	0.3	1.1	0.3	0.3	0.3	0.3	0.3	11.2	3.2	5.9	290.0	10.0	436.3		1.7
SMDH 00011b	28.9	78.1	161.7	18.4	61.4483	10.028	1.38114	6.0	0.8	4.8	0.9	2.6	0.3	3.1	0.3	30.8	3.2	7.3	308.9	351.9	814.3		
SMDH 00011b	15.3	79.1	163.9	18.4	61.4483	10.028	1.49624	5.6	0.7	3.1	0.3	1.3	0.3	1.3	0.3	30.5	1.5	5.7	255.8	27.2	797.7		
SMDH 00011b	18.2	60.9	132.9	14.8	50.434	9.56693	1.26605	6.1	0.7	3.3	0.6	1.1	0.3	2.6	0.3	24.1	1.8	3.5	322.3	22.3	196.7		
SMDH 00011	51.3	148.7	317.4	32.9	125.215	21.9002	1.72643	12.8	1.8	9.4	1.7	3.8	0.6	3.6	0.3	61.9	6.1	11.1	500.7	21.5	726.7	0.6	
SMDH 00011	33.3	95.0	204.7	22.0	73.7379	13.1401	1.72643	7.8	1.1	4.8	0.9	2.2	0.3	2.8	0.3	36.8	4.5	8.0	274.5	16.5	535.4		
SMDH 00011	20.8	118.2	253.0	26.1	97.3897	16.3675	1.84152	9.6	1.2	5.3	0.7	1.3	0.3	0.8	0.3	47.6	2.8	13.4	592.5	21.5	963.1		1.5
SMDH 00011	24.1	124.9	264.7	27.1	104.346	17.6354	1.95662	10.3	1.3	5.8	0.9	1.5	0.3	1.1	0.3	48.7	2.6	14.6	642.2	25.7	1223.1		
SMDH 00011	25.0	101.5	214.1	22.0	84.6363	14.5233	1.95662	8.5	1.1	5.3	0.9	1.7	0.3	1.5	0.3	40.1	4.4	17.1	760.2	216.0	1205.3	0.3	
SMDH 00010b	81.6	161.7	356.6	36.6	141.447	25.1276	1.61133	15.7	2.2	13.5	2.7	6.5	1.1	6.6	0.9	70.0	5.8	16.9	726.1	31.5	1463.4		1.4
SMDH 00010b	91.2	93.9	207.8	23.2	82.6653	14.5233	1.84152	10.0	1.5	10.1	2.5	6.7	1.1	15.0	1.0	36.9	5.7	12.3	333.8	26.2	651.5		
SMDH 00010b	58.6	117.6	257.9	26.5	100.868	18.327	1.49624	11.0	1.5	10.2	1.9	4.6	0.8	4.7	0.7	50.5	4.5	14.5	639.3	27.2	1405.7		
SMDH 00010b	53.0	107.0	233.5	24.0	92.7521	16.3675	1.61133	10.4	1.5	8.9	1.8	4.1	0.7	4.3	0.6	44.9	3.5	11.9	510.9	22.9	1175.4	0.4	1.6
SMDH 00010b	25.3	87.3	190.1	20.9	72.1148	12.3333	1.61133	7.6	0.8	4.0	0.8	1.7	0.3	4.0	0.3	34.6	3.4	7.8	315.4	17.6	560.6		
SMDH 00010b	13.8	79.6	164.0	19.1	67.2453	10.3738	1.61133	6.0	0.7	3.1	0.3	1.0	0.3	1.0	0.3	30.0	1.9	10.4	491.8	14.3	931.6		
SMDH 00010b	28.1	120.2	249.2	29.4	102.027	17.2896	1.72643	9.7	1.2	6.1	1.0	2.1	0.3	1.9	0.3	46.8	3.2	13.7	614.5	22.9	1160.9		1.6
SMDH 00010	67.7	204.8	478.9	52.5	179.939	34.8098	1.61133	20.5	2.3	10.8	1.9	4.3	0.7	8.8	0.6	107.3	6.3	12.4	354.0	21.6	543.3		1.5
SMDH 00010	20.4	60.2	128.9	15.5	53.7962	10.489	1.03586	6.2	0.7	3.6	0.7	1.8	0.3	1.7	0.3	30.8	1.5	5.3	401.6	22.7	647.0		
SMDH 00010	28.1	90.9	194.8	23.5	81.8538	15.7912	1.49624	9.2	1.1	5.3	0.9	2.3	0.3	2.4	0.3	47.8	2.1	5.9	478.9	28.8	481.2		
SMDH 00010	27.5	77.9	165.9	20.1	70.7235	13.0249	1.38114	7.7	0.9	5.3	1.0	2.1	0.3	2.7	0.3	39.7	1.9	7.1	312.4	20.0	681.8		
SMDH 00010	25.1	86.6	185.6	22.5	76.5205	14.5233	1.26605	8.4	0.9	5.2	0.9	1.8	0.3	1.9	0.3	45.5	2.5	9.9	422.3	20.0	688.4	0.6	
SMDH 00010	29.4	95.2	203.0	24.6	85.7957	15.9065	1.38114	9.2	1.2	5.7	1.0	2.2	0.3	2.3	0.3	48.9	2.5	8.0	377.5	18.6	690.3		1.5
SMDH 00010	43.5	90.9	194.8	23.2	79.9987	15.5607	1.61133	9.3	1.3	7.2	1.5	3.3	0.7	3.9	0.3	44.7	3.9	10.4	443.3	60.1	649.6		
SMDH 00010	29.1	89.8	193.9	23.2	81.1581	15.0996	1.49624	8.9	1.1	5.6	1.0	2.2	0.3	2.4	0.3	46.7	3.4	10.1	440.1	32.9	705.4		
SMDH 00009b	65.9	232.1	495.8	58.2	194.2	34.464	1.95662	20.5	2.6	13.1	2.2	5.0	0.8	4.3	0.7	99.4	6.4	9.7	726.6	21.2	764.8		
SMDH 00009b	33.2	183.0	373.9	43.5	149.331	24.2055	2.07171	13.9	1.6	7.8	1.3	2.4	0.3	1.0	0.3	70.3	3.2	4.9	360.5	21.3	669.2		
SMDH 00009b	25.6	144.5	303.0	36.0	122.897	20.6323	1.84152	12.0	1.4	6.5	1.0	1.7	0.3	1.1	0.3	60.3	5.1	14.3	631.4	38.6	983.9		
SMDH 00009b	20.7	137.4	287.6	33.7	114.781	19.2491	1.84152	11.0	1.2	5.4	0.7	1.5	0.3	1.0	0.3	55.1	2.5	14.4	640.0	32.9	1082.9		1.6
SMDH 00009b	30.3	158.5	331.6	39.5	134.491	23.6292	1.95662	13.4	1.5	7.2	1.1	2.2	0.3	1.8	0.3	64.7	2.9	13.7	595.3	31.5	1230.1	0.4	
SMDH 00009b	38.9	152.2	321.9	38.1	128.694	22.4765	1.84152	13.5	1.6	8.2	1.4	3.0	0.3	3.0	0.3	63.5	6.4	15.4	698.6	38.6	1236.4		
SMDH 00009b	40.3	134.6	282.0	33.1	113.621	19.5949	1.72643	11.8	1.5	8.0	1.5	3.2	0.3	3.3	0.3	57.2	4.7	11.8	505.3	24.3	1671.8		1.5
SMDH 00009b	37.3	138.3	283.3	32.3	113.042	19.8254	2.417	11.9	1.4	7.1	1.3	3.0	0.3	2.5	0.3	58.3	3.3	5.4	381.2	23.9	669.2		1.7
SMDH 00009	43.1	100.0	215.8	24.7	85.7957	14.8691	1.38114	9.4	1.3	7.1	1.4	3.7	0.6	3.4	0.6	42.1	3.3	5.9	480.2	18.9	537.7		
SMDH 00009	42.5	168.7	310.5	38.6	128.694	22.0155	2.18681	12.6	1.6	8.2	1.5	3.4	0.3	3.3	0.3	55.0	4.0	12.5	546.4	45.8	1040.9		1.5
SMDH 00009	45.6	140.9	296.8	34.9	117.1	20.8628	1.84152	12.6	1.6	9.2	1.6	3.7	0.6	4.0	0.6	58.8	3.5	12.5	547.7	38.6	1219.6		
SMDH 00009	43.9	149.9	310.9	36.6	124.056	21.9002	1.84152	13.1	1.6	8.8	1.5	3.7	0.3	3.6	0.3	61.2	3.3	15.0	661.4	44.3	1154.4		
SMDH 00009	32.1	126.5	264.4	31.0	104.346	17.9812	2.07171	10.5	1.3	6.6	1.1	2.6	0.3	2.4	0.3	51.6	2.5	11.0	476.7	48.6	1148.1	0.6	1.5
SMDH 00009	22.6	88.1	184.8	21.7	76.5205	13.2554	1.95662	7.4	0.9	5.0	0.8	1.7	0.3	1.6	0.3	35.4	1.4	8.4	366.6	21.5	853.5		
SMDH 00009	40.9	127.7	274.9	31.8	111.303	18.7881	1.95662	11.3	1.5	8.2	1.5	3.2	0.3	3.1	0.3	52.6	2.5	12.7	545.0	24.3	1093.2		
SMDH 00009	52.6	132.5	282.7	33.6	118.259	20.7476	1.84152	12.6	1.8	10.1	1.9	4.2	0.8	4.3	0.6	56.2	3.4	13.1	555.6	22.9	1083.2		1.5
SMDH 00009	27.5	117.0	246.4	28.9	99.7085	16.8286	1.84152	10.0	1.2	6.3	1.0	2.1	0.3	1.8	0.3	47.5	2.5	13.1	561.4	24.3	1276.3		
SMDH 00009	25.5	119.2	256.8	30.0	104.346	17.7507	1.84152	10.4	1.3	6.3	1.0	1.8	0.3	1.4	0.3	49.4	2.5	12.4	524.9	24.3	1360.9		1.6
SMDH 00009	28.6	146.2	311.8	36.1	125.215	20.7476	1.95662	12.4	1.5	7.0	1.0	1.9	0.3	1.5	0.3	60.2	2.8	15.2	651.0	47.2	1453.4		
SMDH 00009	36.1	123.0	264.7	30.3	103.187	17.5202	1.84152	10.9	1.4	7.6	1.4	2.9	0.3	3.1	0.3	52.6	2.7	12.5	535.1	30.0	1304.6	0.3	
SMDH 00009	53.6	123.2	265.6	31.1	104.346	18.7881	1.72643	12.1	1.6	9.4	1.9	4.7	0.8	5.5	0.8	54.4	2.9	14.7	629.2	27.2	972.7		1.5
SMDH 00008b	33.7	88.9	187.0	22.3	76.8683	13.3707	1.26605	8.4	1.1	6.4	1.1	2.7	0.6	3.0	0.3	37.8	2.4	7.4	478.5	17.2	824.3		
SMDH 00008b	41.6	144.3	307.6	36.4	121.737	20.9781	1.84152	12.7	1.5	8.0	1.5	3.3	0.6	3.6	0.6	63.7	3.1	12.3	546.7	27.2	1157.7		
SMDH 00008b	17.5	98.5	204.1	23.8	81.1581	13.2554	1.49624	7.6	0.8	4.2	0.7	1.3	0.3	1.1	0.3	40.4	2.2	10.7	479.3	28.6	1056.1	1.3	1.5
SMDH 00008b	27.4	130.2	279.0	31.8	107.824	18.327	1.72643	10.9	1.3	6.3	1.0	2.1	0.3	1.7	0.3	55.9	3.8	9.8	441.2	25.7	1052.8		
SMDH 00008b	33.3	117.1	247.5	29.1	97.3897	17.2896	1.72643	10.5	1.3	6.6	1.1	2.6	0.3	2.8	0.3	50.3	2.1	10.5	438.2	25.7	1052.8		
SMDH 00008b	25.1	123.0	261.3	30.4	102.027	17.5202	1.72643	10.5	1.3	6.0	0.9	1.7	0.3	1.5	0.3	53.5	4.1	11.7	501.0	45.8	992.3		1.6
SMDH 00008b	32.6	123.3	263.6	30.3	103.187	17.9812	1.72643	11.0	1.3	7.2	1.1	2.5	0.3	2.5	0.3	54.1	2.7	11.2	505.2	41.5	858.0	0.4	
SMDH 00008b	33.5	141.7	302.7	35.2	117.1	20.1712	1.84152	12.5	1.5	7.6	1.1	2.4	0.3	2.0	0.3	60.8	3.3	11.3	504.1	42.9	677.9		
SMDH 00008b	43.2	121.8	255.1	30.4	104.346	18.4423	1.72643	11.5	1.5	8.4	1.5	3.4	0.6	3.6	0.6	52.5	5.9	10.1	473.2	105.9	790.2		1.5
SMDH 00008b	51.3	110.5	233.2	27.7	97.3897	17.1744	1.72643	11.1	1.5	9.4	1.8	4.5	0.8	5.5	0.9	49.9	4.0	10.6	479.4	40.1	753.6		
SMDH 00008b	48.9	104.5	222.8	26.7	91.5927	16.4828	1.72643	10.5	1.4	8.8	1.7	4.1	0.7	4.3	0.7	46.8	2.8	11.6	531.7	28.6	815.9	0.2	
SMDH 00008	32.6	106.5	227.8	27.3	92.7521	16.2523	1.38114	9.7	1.3	6.4	1.1	2.6	0.3	2.6	0.3	51.4	2.4	10.5	480.9	20.0	902.1		1.4
SMDH 00008	41.4	85.0	174.7	20.4	67.5931	11.9875	1.26605	7.7	0.9	6.4	1.3	3.4	0.6	4.1	0.7	41.8	2.2	7.6	248.4	21.9	716.2		
SMDH 00008	46.0	102.7	216.9	25.8	88.1145	15.9065	1.72643	10.1	1.4	7.9	1.6	3.9	0.7	4.0	0.7	46.1	3.5	9.8	476.2	22.9	973.6		
SMDH 00008	41.4	102.8	219.2	25.7	88.1145	15.9065	1.72643	10.1	1.3	7.7	1.4	3.4	0.6	3.6	0.7	44.7	3.2	9.7	450.5	18.6	847.2	0.3	1.5
SMDH 00008	35.2	95.3	202.0	24.0	81.1581	14.8691	1.72643	9.1	1.3	7.0	1.3	3.0	0.3	3.2	0.6	42.6	2.8	10.1	455.1	18.6	904.0		
SMDH 00008	31.2	88.8	187.2	22.0	74.2017	13.4859	1.84152	8.4	1.1	6.1	1.1	2.5	0.3	2.6	0.3	38.3	2.1	9.2	421.4	18.6	900.3		
SMDH 00008	62.0	122.2	262.2	30.9	106.665	18.7881	1.72643	11.9	1.6	10.8	2.2	5.5	1.0	5.8	0.8	53.3	3.1	13.7	614.1	25.7	1463.9		1.4
SMDH 00007b	72.6	140.8	314.6	35.3	118.491	21.4391	1.72643	13.7	1.6	8.2	1.5	3.5	0.6	3.8	0.6	58.7	4.2	9.0	873.0	22.5	484.5		1.7
SMDH 00007b	61.6	71.8	161.1	17.8	63.999	11.2959	1.95662	7.4	1.1	6.0	1.3	3.0	0.6	3.0	0.6	29.9	3.7	5.0	489.5	26.6	544.5		
SMDH 00007b	9.8	19.7	35.5	4.3	15.0722	2.99687	1.38114	1.9	0.3	1.6	0.3	0.8	0.3	1.1	0.3	4.7	1.2	12.6	640.1	21.5	1486.3		1.7

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00007b	27.0	19.2	42.8	5.4	19.7098	5.07163	1.49624	4.0	0.7	4.5	0.9	2.1	0.3	2.3	0.3	2.3	1.3	11.6	520.7	30.0	1502.7		
SMDH 00007b	20.7	23.4	51.6	6.2	22.0286	5.07163	1.15095	3.8	0.6	3.7	0.7	1.7	0.3	1.6	0.3	3.4	0.7	5.5	265.6	37.2	1598.2	0.6	
SMDH 00007b	20.0	18.6	40.0	5.3	20.8692	4.95636	1.38114	3.9	0.6	3.9	0.7	1.6	0.3	1.6	0.3	2.0	0.8	3.4	157.2	34.3	1728.6		1.6
SMDH 00007b	38.9	21.0	46.2	5.6	22.0286	5.30216	1.38114	4.2	0.8	5.8	1.4	3.4	0.6	3.3	0.3	2.2	0.6	3.5	162.9	24.3	1645.2		
SMDH 00007	32.3	94.9	208.7	24.5	85.7957	14.9844	1.15095	9.4	1.2	6.5	1.1	2.5	0.3	2.5	0.3	41.0	2.9	11.0	505.7	15.7	900.0		
SMDH 00007	37.6	66.3	141.4	16.5	55.7672	10.1433	1.95662	6.3	0.8	3.7	0.8	1.6	0.3	1.8	0.3	25.0	2.2	5.9	499.7	14.4	463.7		
SMDH 00007	40.3	80.1	174.0	20.4	71.651	12.1027	1.84152	7.3	0.8	4.6	0.8	2.1	0.3	2.3	0.3	31.0	2.1	4.7	448.9	30.6	451.8		
SMDH 00007	10.6	60.7	127.8	14.9	52.1731	8.64482	1.61133	4.8	0.3	2.4	0.3	0.8	0.3	0.7	0.3	23.2	1.4	12.0	538.3	17.2	1317.2		
SMDH 00007	19.5	101.9	209.4	24.6	82.3175	13.7164	1.61133	8.0	0.9	4.4	0.7	1.5	0.3	1.4	0.3	36.6	2.1	8.0	347.8	34.3	1102.1		1.4
SMDH 00007	35.2	103.9	215.8	26.2	86.9551	15.0996	1.84152	9.1	1.2	6.9	1.3	3.0	0.3	3.3	0.3	40.0	4.0	9.3	390.7	83.0	1219.6	0.5	
SMDH 00007	74.9	115.6	240.2	29.2	97.3897	19.8254	2.18681	15.2	4.7	16.0	2.3	4.9	0.8	5.0	0.7	70.0	240.5	16.2	503.6	2230.1	1234.3		
SMDH 00007	40.9	100.6	216.2	25.6	88.1145	15.4454	1.72643	9.4	1.3	7.6	1.5	3.5	0.6	3.8	0.3	42.6	4.1	10.6	472.0	93.0	1004.7		1.5
SMDH 00007	44.6	111.9	240.9	28.9	97.3897	17.4049	1.72643	10.8	1.4	8.0	1.5	3.8	0.6	3.9	0.3	47.6	2.8	11.6	504.1	35.8	878.1		
SMDH 00007	31.7	84.0	179.7	21.3	70.7235	12.6791	1.61133	7.7	1.1	5.8	1.0	2.5	0.3	3.1	0.3	34.1	2.4	8.4	348.0	30.0	609.9	0.7	
SMDH 00007	35.6	111.4	234.0	27.6	93.9115	16.3675	1.84152	9.9	1.3	7.3	1.3	3.0	0.3	3.0	0.3	45.8	6.7	11.0	463.7	32.9	850.5		
SMDH 00006b	39.4	119.7	245.2	30.5	105.506	17.5202	1.61133	10.4	1.4	7.7	1.4	2.9	0.3	3.1	0.3	51.1	2.7	11.6	527.8	18.6	660.1		
SMDH 00006b	91.1	139.9	299.8	35.9	118.027	20.6323	3.68305	13.1	1.9	10.0	2.1	4.3	0.7	4.4	0.7	45.4	3.7	4.4	549.5	24.2	495.0		
SMDH 00006b	55.5	103.4	217.5	26.4	92.7521	15.5607	1.95662	10.1	1.4	9.4	1.9	4.3	0.8	4.5	0.6	43.0	2.2	7.8	337.3	21.5	865.5		
SMDH 00006b	45.6	99.2	206.6	25.2	86.9551	14.7538	1.84152	9.2	1.3	8.1	1.5	3.4	0.6	3.8	0.3	40.8	2.5	8.8	397.1	27.2	753.6		
SMDH 00006b	49.0	90.4	203.6	22.6	78.1437	12.5638	1.38114	8.4	0.9	5.4	1.0	2.2	0.3	1.8	0.3	34.6	2.0	3.6	486.8	14.9	409.5		
SMDH 00006b	51.1	196.3	407.4	47.8	165.794	25.7039	2.18681	15.6	2.0	10.4	1.8	3.5	0.6	3.1	0.3	75.4	3.8	11.6	516.8	25.7	1171.7	0.5	
SMDH 00006b	43.3	149.4	316.7	36.6	127.534	20.8628	2.07171	12.4	1.5	8.5	1.6	3.1	0.3	3.2	0.3	59.2	3.9	11.4	502.9	20.0	1261.6		
SMDH 00006b	50.7	170.5	359.5	41.7	144.925	23.5139	2.5321	13.7	1.8	10.3	1.8	3.5	0.6	3.4	0.3	65.2	3.7	12.1	538.7	27.2	1113.1		1.5
SMDH 00006b	83.8	149.6	330.4	37.5	136.23	21.3239	2.99248	13.5	1.5	9.4	1.8	3.8	0.6	3.6	0.6	57.1	3.5	5.2	508.6	22.3	486.1		1.6
SMDH 00006b	47.8	157.8	331.1	38.8	133.331	20.9781	2.5321	12.4	1.6	9.4	1.7	3.4	0.3	3.2	0.3	59.1	2.9	12.0	532.6	21.5	1068.9	0.3	
SMDH 00006b	51.7	166.0	350.9	41.6	144.925	23.2834	2.07171	13.3	1.8	10.1	1.8	3.8	0.7	3.8	0.3	65.5	3.4	11.9	525.6	21.5	1015.9		1.4
SMDH 00006b	84.3	159.0	355.1	40.4	138.78	23.0528	2.76229	13.6	1.6	9.6	1.8	4.1	0.7	4.0	0.6	58.8	3.4	4.5	636.4	22.7	562.7		
SMDH 00006	42.3	122.4	285.8	30.4	103.187	18.0965	1.72643	10.7	1.4	7.8	1.5	3.4	0.6	3.5	0.6	51.2	3.4	12.5	551.1	24.3	703.8		
SMDH 00006	27.2	94.2	196.3	23.5	78.8393	13.4859	1.03586	7.7	0.9	5.2	0.9	2.3	0.3	2.2	0.3	45.3	1.9	7.2	334.2	20.0	814.3	1.5	1.6
SMDH 00006	58.3	176.1	316.6	41.6	141.447	24.0902	3.79814	14.7	1.9	10.1	1.8	4.1	0.7	3.9	0.6	58.3	2.2	9.7	434.6	18.6	967.3		
SMDH 00006	35.4	114.4	246.5	29.4	99.7085	17.5202	1.72643	10.0	1.3	6.6	1.1	2.7	0.3	2.6	0.3	52.8	3.1	8.6	383.5	22.9	904.2		
SMDH 00006	28.0	120.0	259.6	30.4	102.027	17.5202	1.72643	9.9	1.2	5.5	0.9	2.2	0.3	2.0	0.3	53.0	2.2	8.8	395.1	18.6	958.7		1.4
SMDH 00006	58.8	111.8	244.7	28.7	98.5491	17.5202	1.61133	11.0	1.6	10.2	1.9	4.7	0.8	4.7	0.7	51.1	2.1	12.0	546.3	30.0	1144.1	0.5	
SMDH 00006	49.8	118.9	256.4	29.9	102.027	17.866	1.84152	10.8	1.4	8.4	1.6	4.0	0.7	4.2	0.7	53.8	2.4	10.8	474.1	27.2	856.8		
SMDH 00006	47.0	115.6	249.4	29.3	99.7085	17.4049	1.72643	10.5	1.4	8.0	1.6	3.8	0.7	4.1	0.6	53.5	2.4	11.7	498.6	21.5	838.1		1.4
SMDH 00006	40.9	122.4	260.7	31.2	110.143	17.7507	1.95662	10.7	1.4	7.7	1.4	3.4	0.6	3.4	0.3	54.1	1.9	8.4	376.9	32.9	925.5		
SMDH 00006	37.1	103.1	232.8	28.1	98.5491	16.2523	1.61133	9.9	1.3	7.0	1.3	3.1	0.3	3.2	0.3	51.1	2.0	9.4	415.4	21.5	823.2	0.3	
SMDH 00005b	35.2	110.0	333.9	29.7	94.8391	17.6354	1.15095	11.7	1.3	6.6	1.5	3.0	0.6	3.0	0.6	56.0	3.3	8.0	786.6	18.6	691.2		
SMDH 00005b	25.5	105.1	250.1	27.4	90.7811	15.9065	1.61133	10.2	1.2	5.0	0.9	2.1	0.3	2.5	0.3	44.3	2.7	8.4	507.5	17.6	711.3		
SMDH 00005b	22.6	106.6	225.8	27.1	97.3897	15.6759	1.26605	9.1	1.1	5.2	0.8	1.7	0.3	1.5	0.3	51.0	1.9	10.6	503.6	20.0	931.8		
SMDH 00005b	35.1	140.5	300.4	35.4	126.375	20.2865	2.07171	12.1	1.5	7.2	1.3	2.6	0.3	2.2	0.3	58.1	2.1	10.4	475.6	17.2	813.6	0.6	1.5
SMDH 00005b	34.6	133.6	286.7	33.3	117.1	19.1339	1.84152	11.3	1.4	6.9	1.1	2.7	0.3	2.6	0.3	58.6	2.4	11.6	517.9	24.3	939.7		
SMDH 00005b	30.5	124.8	268.3	30.9	107.824	17.0591	1.84152	10.3	1.3	6.1	1.0	2.4	0.3	2.5	0.3	52.9	1.9	11.6	520.1	17.2	883.0		
SMDH 00005	26.5	103.1	234.5	26.7	92.7521	15.5607	1.38114	9.2	1.2	5.4	0.9	2.2	0.3	2.2	0.3	48.4	1.8	10.7	468.6	21.5	826.2		1.5
SMDH 00005	18.5	83.5	181.7	19.9	66.0859	11.4112	1.49624	7.4	0.7	3.4	0.7	1.5	0.3	0.3	0.3	32.3	3.1	14.1	770.9	19.2	923.8		
SMDH 00005	30.2	133.2	286.0	33.9	117.1	20.056	1.84152	11.3	1.4	6.1	1.1	2.9	0.3	3.1	0.3	54.3	1.9	11.9	566.3	18.6	1077.6		
SMDH 00005	28.5	117.7	252.5	29.2	102.027	16.8286	1.61133	9.7	1.1	5.5	1.0	2.4	0.3	2.6	0.3	49.3	1.8	12.4	537.6	17.2	965.2		1.5
SMDH 00005	34.0	124.9	267.6	30.9	108.984	18.6728	1.61133	10.8	1.3	6.4	1.1	2.9	0.3	3.1	0.3	51.9	1.9	12.9	547.6	25.7	1144.1		
SMDH 00005	38.3	112.4	242.0	28.9	100.868	17.6354	1.49624	10.9	1.3	7.2	1.4	3.1	0.6	3.6	0.3	48.5	2.0	12.5	527.5	21.5	1079.7	0.6	
SMDH 00005	33.5	107.2	229.9	27.1	95.0709	17.1744	1.61133	10.4	1.3	6.6	1.3	2.6	0.3	2.8	0.3	46.7	2.6	11.6	491.6	32.9	897.7		1.5
SMDH 00005	36.8	122.8	266.1	31.3	111.303	20.517	1.61133	11.9	1.4	7.6	1.3	2.7	0.3	2.8	0.3	54.3	2.6	13.2	563.7	44.3	891.8		
SMDH 00005	36.6	118.6	256.6	30.1	105.506	19.2491	1.61133	11.5	1.4	7.7	1.4	2.7	0.3	2.8	0.3	52.8	1.9	13.1	561.3	28.6	796.5		
SMDH 00005	41.3	125.6	273.2	31.8	112.462	20.517	1.95662	12.5	1.5	8.1	1.5	3.1	0.6	3.2	0.3	57.3	2.0	14.0	605.0	31.5	880.2	0.2	1.4
SMDH 00004b	25.5	79.4	184.0	19.7	67.2453	13.0249	1.26605	8.0	0.9	5.0	0.9	2.3	0.3	2.4	0.3	37.7	2.0	14.2	585.0	22.9	1051.2		
SMDH 00004b	28.4	98.3	220.3	23.7	78.8393	15.2149	1.72643	9.1	1.1	5.6	0.9	2.4	0.3	2.6	0.3	41.3	1.9	11.4	471.2	31.5	1002.1		1.4
SMDH 00004b	26.0	100.6	220.3	24.3	82.3175	15.7912	1.61133	9.6	1.1	5.0	0.9	2.2	0.3	2.5	0.3	45.4	2.0	12.4	499.4	22.9	1084.6	0.5	
SMDH 00004b	29.5	100.2	200.9	23.7	81.1581	16.137	1.49624	9.9	1.1	5.6	1.0	2.5	0.3	2.8	0.3	44.4	1.9	12.6	527.1	25.7	1136.2		
SMDH 00004b	48.2	133.6	282.7	34.7	120.578	23.8597	2.87738	17.0	2.0	10.3	1.7	4.1	0.6	4.1	0.6	52.5	2.2	13.1	545.3	71.5	1285.7		1.7
SMDH 00004b	29.8	84.3	176.3	21.0	73.0423	14.5233	1.95662	10.1	1.3	6.0	1.0	2.3	0.3	2.2	0.3	32.7	1.5	11.3	472.6	21.5	1213.5		
SMDH 00004b	30.0	100.8	214.2	25.1	84.6363	16.4828	1.38114	10.8	1.2	6.2	1.0	2.4	0.3	2.6	0.3	44.4	1.8	13.8	563.6	28.6	1290.8	0.4	
SMDH 00004b	34.2	118.6	252.2	29.9	100.868	19.8254	1.49624	11.0	1.3	7.0	1.3	2.7	0.3	2.8	0.3	58.5	2.0	13.6	597.3	38.6	1272.1		1.7
SMDH 00004	19.9	69.0	171.0	17.8	61.4483	10.8348	1.03586	6.5	0.8	4.1	0.7	1.6	0.3	1.8	0.3	37.1	1.8	19.1	832.9	17.2	1235.0		
SMDH 00004	12.8	46.0	92.0	11.0	37.1009	6.4548	1.26605	3.8	0.3	2.5	0.3	1.0	0.3	1.1	0.3	16.9	1.1	8.7	394.0	15.7	857.0		
SMDH 00004	10.8	68.8	132.3	15.9	54.4919	8.76008	2.18681	4.8	0.3	2.2	0.3	0.8	0.3	0.7	0.3	25.0	0.7	7.3	335.0	21.5	901.7	0.7	1.5
SMDH 00004	21.0	131.2	268.4	30.7	104.346	16.7133	1.95662	9.1	0.9	4.5	0.7	1.7	0.3	1.8	0.3	52.2	1.3	13.4	596.1	18.6	1121.5		
SMDH 00004	21.7	125.8	274.3	31.1	106.665	16.9438	1.84152	9.4	0.9	4.5	0.8	1.8	0.3	2.2	0.3	53.4	1.3	12.0	523.2	24.3	1153.5		
SMDH 00004	15.3	93.1	195.1	22.2	77.6799	12.3333	1.61133	7.0	0.7	3.2	0.6	1.3	0.3	1.5	0.3	37.2	1.2	11.3	487.1	35.8	997.9		1.6
SMDH 00004	10.4	66.9	142.3	15.9	54.4919	8.64482	1.72643	4.6	0.3	2.3	0.3	0.8	0.3	0.8	0.3	26.8	0.7	9.3	412.3	15.7	956.1	0.7	
SMDH 00004	11.9	97.9	202.4	23.8	83.4769	13.4859	1.72643	7.6	0.7	3.1	0.3	0.9	0.3	0.8	0.3	39.4	1.5	9.6	411.3	75.8	864.0		
SMDH 00003b	27.0	97.4	216.7	24.0	82.3175	14.6386	1.26605	9.3	1.1	5.3	0.9	2.4	0.3	2.8	0.3	47.2	2.5	22.8	980.1	20.0	992.5		1.4
SMDH 00003b	52.1	157.3	294.9	38.7	131.012	24.436	2.64719	15.0	1.9	9.6	1.8	4.3	0.7	4.5	0.7	67.8	2.4	14.5	620.8	22.9	1033.9		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00003b	20.3	99.0	185.5	22.5	76.5205	13.0249	2.18681	7.4	0.8	3.9	0.7	1.6	0.3	1.5	0.3	34.6	1.1	7.7	346.2	27.2	1002.3	1.3	
SMDH 00003b	28.9	98.4	210.5	23.9	81.1581	14.9844	1.72643	8.7	1.1	5.4	1.0	2.5	0.3	2.8	0.3	43.7	1.7	9.0	390.1	20.0	978.0		1.6
SMDH 00003b	46.1	99.4	220.4	25.2	85.7957	16.8286	1.61133	11.0	1.5	8.5	1.6	4.0	0.7	4.1	0.6	47.2	2.4	11.7	498.4	22.9	1152.8		
SMDH 00003b	57.4	93.5	199.9	23.4	81.1581	16.2523	1.49624	11.2	1.6	9.6	1.9	4.8	0.8	5.0	0.8	44.2	2.7	10.3	441.4	28.6	1055.6		
SMDH 00003b	43.1	97.7	212.5	24.4	83.4769	16.2523	1.49624	10.4	1.4	8.0	1.5	3.7	0.6	3.9	0.6	44.6	2.1	10.3	443.7	25.7	1055.6	0.6	1.6
SMDH 00003b	19.3	94.8	202.4	22.6	77.6799	12.6791	2.07171	8.0	0.8	4.2	0.7	1.5	0.3	1.1	0.3	40.9	0.9	5.4	227.7	12.9	690.7		
SMDH 00003b	13.3	77.7	165.0	18.1	62.6077	10.028	1.84152	6.1	0.6	2.9	0.3	1.0	0.3	0.9	0.3	31.5	1.1	9.3	396.5	15.7	982.7		
SMDH 00003	21.2	79.1	191.3	20.4	70.7235	11.9875	0.69057	7.2	0.8	4.4	0.7	1.7	0.3	1.8	0.3	42.4	3.1	15.1	648.8	100.1	541.2		1.6
SMDH 00003	31.4	149.0	292.6	35.5	121.737	20.2865	2.18681	12.4	1.3	6.6	1.1	2.5	0.3	2.2	0.3	51.3	2.2	10.7	462.1	24.3	1025.9	1.3	
SMDH 00003	36.9	97.7	206.7	24.1	83.4769	14.408	1.49624	8.8	1.1	6.3	1.4	3.5	0.7	4.4	0.7	41.9	1.9	7.2	292.0	24.3	894.4		
SMDH 00003	33.3	97.5	211.8	24.9	85.7957	15.0996	1.38114	8.9	1.1	6.0	1.1	3.0	0.6	3.5	0.6	44.7	2.0	7.4	312.8	15.7	969.2		1.5
SMDH 00003	37.8	90.6	201.9	22.9	79.9987	13.8317	1.38114	8.9	1.1	6.6	1.4	3.4	0.7	4.0	0.6	42.4	2.1	6.6	283.7	20.0	769.9		
SMDH 00003	40.7	88.7	197.0	22.5	77.6799	13.6012	1.26605	8.7	1.2	7.2	1.5	3.5	0.7	4.0	0.6	40.1	2.0	8.0	321.2	20.0	853.8	0.5	
SMDH 00003	45.8	84.3	185.0	20.7	73.0423	12.3333	1.26605	8.5	1.2	7.2	1.5	4.1	0.7	4.2	0.6	36.5	2.1	7.5	320.8	21.5	829.2		1.5
SMDH 00003	53.9	70.0	153.1	17.1	61.4483	9.91272	1.26605	7.4	1.1	7.7	1.7	4.8	0.9	5.7	0.8	30.9	2.0	7.1	290.8	15.7	689.1		
SMDH 00003	53.0	90.8	201.7	22.1	79.9987	13.4859	1.15095	9.4	1.3	8.2	1.7	4.9	0.9	5.2	0.8	40.1	2.7	7.5	316.8	22.9	852.6		
SMDH 00002b	32.8	119.7	267.8	28.7	102.027	16.3675	1.49624	11.0	1.3	6.8	1.1	2.9	0.3	2.8	0.3	48.5	2.6	15.2	643.0	22.9	847.9	0.8	1.7
SMDH 00002b	28.6	96.9	219.0	22.8	81.1581	12.218	1.49624	8.2	1.1	5.2	1.0	2.5	0.3	2.6	0.3	42.2	1.9	10.0	430.4	22.9	1069.8		
SMDH 00002b	9.9	34.0	56.1	7.3	25.5068	3.91898	1.61133	2.6	0.3	1.7	0.3	0.7	0.3	0.7	0.3	9.2	0.7	8.8	380.3	14.3	939.0		
SMDH 00002b	16.6	157.0	329.1	36.7	128.694	18.2117	2.417	11.1	1.1	4.1	0.6	1.3	0.3	0.9	0.3	56.6	1.3	7.0	293.5	11.4	876.0		1.7
SMDH 00002b	0.3	1.6	3.2	0.3	1.1594	0.28816	0.28774	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	12.4	10.0	920.3	0.5	
SMDH 00002b	8.7	89.0	187.2	21.4	71.8829	10.8348	1.26605	6.0	0.6	2.2	0.3	0.7	0.3	0.7	0.3	39.1	1.1	11.9	278.0	15.7	1119.6		
SMDH 00002b	11.9	78.9	166.5	18.9	62.6077	9.6822	1.38114	5.6	0.6	2.5	0.3	1.0	0.3	1.0	0.3	32.8	0.9	8.3	178.0	12.9	864.0		1.7
SMDH 00002b	7.0	32.6	66.0	8.0	27.0141	4.49531	1.49624	2.5	0.3	1.0	0.3	0.6	0.3	0.3	0.3	12.2	2.0	5.8	285.8	12.7	464.8		1.8
SMDH 00002	30.3	102.9	232.7	26.5	88.1145	16.0217	1.15095	9.7	1.3	6.1	1.0	2.5	0.3	2.7	0.3	48.5	2.6	14.6	344.2	11.4	705.4		1.7
SMDH 00002	15.8	52.7	114.5	12.9	44.0573	7.49218	1.38114	4.8	0.6	2.9	0.3	1.3	0.3	1.4	0.3	22.5	1.5	9.6	251.2	10.0	794.2		
SMDH 00002	4.1	11.6	18.1	2.4	8.11581	1.26791	1.15095	0.9	0.3	0.6	0.3	0.3	0.3	0.3	0.3	1.9	0.3	6.4	160.3	8.6	665.5		
SMDH 00002	11.4	49.7	105.0	12.0	39.4197	6.91585	1.26605	4.0	0.3	2.3	0.3	1.0	0.3	1.1	0.3	20.0	0.9	8.0	177.6	10.0	684.4	0.8	1.7
SMDH 00002	34.5	101.5	212.2	24.6	82.3175	13.947	1.15095	8.1	1.2	5.8	1.1	3.4	0.6	4.1	0.7	41.6	2.1	11.7	256.5	17.2	948.4		
SMDH 00002	35.4	96.0	216.3	23.4	79.9987	14.5233	1.03586	8.9	1.2	6.0	1.3	3.3	0.7	4.0	0.7	42.2	2.4	12.4	525.3	20.0	1062.4		
SMDH 00002	6.1	15.9	33.3	3.4	11.594	1.95949	1.26605	1.1	0.3	0.9	0.3	0.3	0.3	0.7	0.3	5.0	0.7	8.8	405.2	15.7	1008.4		1.6
SMDH 00002	29.0	71.7	158.1	16.7	56.8107	10.028	1.15095	6.1	0.7	4.4	1.0	2.7	0.3	3.2	0.3	28.7	1.4	12.9	549.6	20.0	1012.4	0.4	
SMDH 00002	16.7	51.4	111.4	11.5	39.4197	6.4548	1.26605	4.0	0.3	2.7	0.3	1.4	0.3	1.5	0.3	20.4	1.3	18.2	787.2	40.1	1638.2		
SMDH 00002	32.4	141.6	314.3	32.9	113.621	18.4423	1.26605	10.9	1.4	6.4	1.1	2.4	0.3	2.0	0.3	60.5	2.2	8.0	340.8	37.2	1072.6		1.5
SMDH 00002	61.5	156.3	353.9	38.1	133.331	22.5918	1.26605	13.7	1.9	10.3	2.1	5.4	0.9	6.3	1.0	71.3	3.1	8.6	354.4	40.1	1122.6		
SMDH 00002	48.7	114.0	256.1	27.6	95.0709	17.4049	1.49624	11.3	1.5	8.1	1.7	4.5	0.8	5.1	0.8	48.8	3.1	11.4	502.2	20.0	1085.3	0.3	
SMDH 00002	44.9	122.8	275.8	29.8	102.027	19.1339	1.49624	11.8	1.5	7.9	1.5	4.2	0.8	5.1	0.8	52.7	3.1	12.3	514.5	18.6	1064.5		1.5
SMDH 00002	38.7	105.3	232.3	25.5	90.4333	15.6759	1.49624	9.6	1.3	6.8	1.4	3.8	0.7	4.7	0.7	44.3	2.6	12.0	528.2	22.9	1018.5		
SMDH 00001b	34.6	102.6	225.9	25.0	88.1145	15.7912	1.49624	9.9	1.3	6.8	1.1	2.7	0.3	2.8	0.3	42.9	2.6	17.6	754.2	30.0	1336.4		
SMDH 00001b	22.8	50.1	58.3	9.7	34.782	6.33953	1.84152	4.4	0.6	3.7	0.7	1.6	0.3	1.5	0.3	9.2	1.4	2.9	134.1	64.4	1462.0	1.0	1.6
SMDH 00001b	16.1	30.4	58.4	7.1	25.5068	4.61057	1.38114	3.3	0.3	3.1	0.6	1.3	0.3	1.3	0.3	7.5	0.6	4.4	196.5	30.0	1733.9		
SMDH 00001b	33.1	29.7	79.2	8.6	34.782	8.18376	2.76229	6.4	1.1	6.4	1.1	2.7	0.3	2.6	0.3	4.2	0.8	4.7	224.6	51.5	3723.0		
SMDH 00001b	35.5	34.4	96.5	9.6	37.1009	8.18376	2.07171	6.5	1.1	6.8	1.4	3.0	0.3	2.8	0.3	7.6	0.9	5.4	247.1	48.6	3718.8		1.5
SMDH 00001b	52.1	85.2	192.9	19.9	70.7235	12.218	1.72643	8.0	1.3	8.2	1.8	4.6	0.8	5.5	0.8	29.8	2.2	10.3	448.2	71.5	1876.2	0.7	
SMDH 00001b	26.9	68.5	146.8	16.3	55.6513	8.99061	1.61133	5.5	0.7	4.5	0.9	2.4	0.3	3.0	0.3	25.2	1.1	7.1	317.3	15.7	903.5		
SMDH 00001b	32.7	74.7	156.8	17.9	61.4483	10.9501	1.72643	6.6	0.9	5.4	1.1	3.1	0.6	3.8	0.6	27.1	1.7	11.0	457.4	22.9	1451.3		1.6
SMDH 00001b	43.2	75.6	162.2	18.6	64.9265	11.4112	1.95662	7.6	1.1	7.0	1.5	4.2	0.8	4.7	0.7	26.6	1.8	9.9	422.8	30.0	1898.2		
SMDH 00001b	28.5	58.5	119.8	13.2	46.3761	6.91585	1.84152	4.6	0.7	4.6	0.9	2.9	0.3	3.3	0.3	18.7	0.9	9.3	392.5	22.9	1010.7	0.7	
SMDH 00001	27.1	84.2	169.6	19.6	69.1003	13.3707	1.15095	8.1	0.9	4.6	1.0	2.4	0.3	1.7	0.3	37.5	4.5	18.1	745.4	17.9	771.1		
SMDH 00001	36.8	112.9	258.0	28.3	97.3897	17.1744	1.61133	11.1	1.4	7.3	1.3	3.2	0.3	3.4	0.3	46.9	2.9	16.2	691.2	20.0	1073.3		
SMDH 00001	24.6	88.1	206.2	22.2	76.5205	14.1775	1.15095	8.5	1.1	5.3	0.8	2.2	0.3	2.2	0.3	38.4	2.6	14.0	611.5	12.9	833.7		
SMDH 00001	26.4	88.8	177.5	20.4	70.7235	12.218	1.49624	7.6	0.9	4.9	0.9	2.3	0.3	2.3	0.3	31.9	2.4	8.4	363.0	21.5	909.1	0.9	1.5
SMDH 00001	21.0	64.9	129.1	14.9	49.8543	8.87535	1.38114	5.7	0.8	4.0	0.7	1.9	0.3	2.3	0.3	23.3	2.0	8.1	337.6	22.9	1107.9		
SMDH 00001	20.5	57.9	115.8	13.2	45.2167	7.95323	1.38114	5.0	0.7	3.8	0.7	1.9	0.3	2.2	0.3	19.2	2.0	8.7	373.0	22.9	1062.6		
SMDH 00001	17.7	66.0	137.9	15.5	53.3325	9.3364	1.38114	5.6	0.7	3.3	0.6	1.5	0.3	1.7	0.3	24.1	1.9	6.6	296.0	20.0	886.0		1.5
SMDH 00001	21.3	79.5	171.3	19.3	67.2453	11.0654	1.38114	6.9	0.8	4.0	0.8	1.8	0.3	2.2	0.3	30.0	2.1	9.2	407.1	18.6	965.4	0.8	
SMDH 00001	25.0	108.8	223.0	26.4	91.5927	15.0996	1.49624	9.2	0.9	4.7	0.9	2.2	0.3	2.5	0.3	38.4	2.1	9.2	408.1	35.8	876.0		
SMDH 00001	22.9	85.5	192.5	21.7	75.3611	13.6012	1.38114	8.1	0.9	4.8	0.8	1.9	0.3	2.3	0.3	36.1	2.0	9.9	441.6	32.9	902.4		1.5
SMDH 00001	20.9	79.2	174.3	19.6	69.5641	12.1027	1.15095	7.7	0.8	4.1	0.8	1.8	0.3	2.2	0.3	31.2	2.5	8.8	382.1	27.2	973.6		
SMDH 00001	22.8	96.4	213.8	24.5	84.6363	14.7538	1.26605	8.8	0.9	4.5	0.8	2.1	0.3	2.5	0.3	40.0	2.5	11.4	482.6	21.5	987.9	0.5	
SMDH 00001	12.5	109.5	231.8	26.3	90.4333	14.6386	1.72643	8.1	0.8	3.0	0.3	0.9	0.3	0.9	0.3	43.3	1.2	7.3	315.3	15.7	933.0		1.7
SMDH 00001	14.6	82.1	176.5	20.4	70.7235	11.9875	1.38114	6.6	0.7	3.2	0.3	1.1	0.3	1.3	0.3	34.1	1.4	6.8	294.6	20.0	902.4		
SMDH 00205	30.7	98.0	223.3	25.5	86.6073	16.9438	1.49624	10.1	1.2	6.0	1.1	2.9	0.3	4.4	0.3	41.5	3.5	13.7	545.0	19.9	642.6		
SMDH 00205	30.2	119.0	229.6	27.1	93.9115	16.3675	1.61133	10.3	1.2	5.8	0.9	2.5	0.3	2.8	0.3	45.0	2.2	13.4	549.6	15.7	1095.3		
SMDH 00205	9.1	49.9	102.2	11.4	38.2603	6.33953	1.38114	3.6	0.3	1.8	0.3	0.7	0.3	0.9	0.3	18.3	1.3	17.6	741.2	20.0	1301.6		
SMDH 00205	5.8	18.8	32.9	4.0	12.7534	2.19002	1.61133	1.4	0.3	0.9	0.3	0.3	0.3	0.6	0.3	4.1	0.6	9.0	405.8	21.5	834.9		1.6
SMDH 00205	2.7	6.8	9.7	1.0	4.52167	1.15264	0.28774	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.1	0.6	5.1	200.5	8.9	324.2		
SMDH 00205	10.3	51.3	106.0	11.5	40.5791	7.14638	1.38114	4.1	0.3	2.2	0.3	0.8	0.3	0.8	0.3	22.4	1.1	7.9	340.1	15.7	756.4		
SMDH 00205	33.5	104.9	230.7	25.0	85.7957	16.7133	1.61133	10.1	1.3	6.6	1.3	3.0	0.6	3.8	0.6	46.2	2.8	13.9	582.1	22.9	971.7		1.6
SMDH 00205	32.4	94.2	199.0	22.5	76.5205	14.7538	1.49624	9.5	1.2	6.4	1.1	2.9	0.3	3.4	0.6	38.5	2.6	11.9	490.6	21.5	1054.9		
SMDH 00205	37.0	113.0	238.4	26.7	91.5927	17.2896	1.61133	11.2	1.4	7.3	1.3	3.2	0.6	3.9	0.7	45.8	3.4	14.3	588.0	48.6	1207.4	0.4	

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00205	37.0	125.4	278.4	31.5	110.143	20.056	1.49624	12.8	1.5	7.8	1.4	3.2	0.3	3.5	0.6	53.4	3.5	15.2	673.5	31.5	1341.5		1.5
SMDH 00205	39.8	106.6	235.9	26.9	91.5927	16.9438	1.61133	10.9	1.4	7.3	1.4	3.4	0.6	3.6	0.6	45.1	2.9	14.2	632.8	27.2	1264.4		
SMDH 00205	47.8	100.7	224.4	25.8	88.1145	16.8286	1.61133	11.1	1.5	8.7	1.7	4.1	0.7	4.3	0.7	44.1	3.2	13.2	582.5	25.7	1084.6		
SMDH 00205	39.7	86.9	194.1	22.1	76.5205	14.6386	1.72643	9.4	1.3	7.3	1.4	3.3	0.6	3.6	0.3	37.1	2.7	10.8	481.2	30.0	1025.9	0.2	1.7
SMDH 00205	40.6	89.7	200.2	22.7	78.8393	14.7538	1.72643	10.0	1.4	7.6	1.5	3.5	0.6	3.9	0.6	37.8	2.8	10.7	464.9	52.9	1032.9		
SMDH 00205	41.4	91.0	202.5	23.3	81.1581	15.2149	1.61133	10.1	1.4	7.7	1.5	3.5	0.7	4.0	0.6	38.0	2.4	11.8	513.6	22.9	1147.6		
SMDH 00205	44.4	72.7	164.6	19.0	67.2453	13.4859	1.95662	9.4	1.3	8.1	1.6	4.1	0.7	4.5	0.7	26.6	2.2	10.0	433.3	21.5	2395.7		1.7
SMDH 00205b	25.3	86.5	227.8	23.5	81.1581	15.9065	0.92076	9.9	1.2	5.8	0.9	2.2	0.3	2.2	0.3	49.6	2.5	13.2	574.1	17.2	1049.3	0.5	
SMDH 00205b	31.8	99.1	194.0	23.4	78.8393	15.3301	1.72643	9.2	1.2	6.2	1.1	2.7	0.3	3.2	0.6	39.4	1.7	11.2	461.0	14.3	846.1		
SMDH 00205b	35.4	87.3	180.7	21.1	74.2017	14.408	1.49624	8.9	1.2	6.4	1.3	3.1	0.3	3.6	0.6	37.5	2.1	11.1	461.3	30.0	871.5		1.5
SMDH 00205b	29.1	75.8	155.9	18.1	61.4483	11.1806	1.15095	6.8	0.8	4.9	1.0	2.7	0.3	3.1	0.3	30.9	1.7	9.1	380.4	44.3	734.2		
SMDH 00205b	21.7	84.5	175.7	19.6	67.2453	11.5264	1.26605	7.0	0.8	4.1	0.8	2.1	0.3	2.4	0.3	36.2	1.4	8.8	378.0	14.3	832.3	0.3	
SMDH 00205b	44.0	93.5	185.7	21.6	81.1581	15.2149	1.38114	10.3	1.3	7.3	1.5	4.0	0.7	4.8	0.8	45.3	1.9	15.1	584.4	21.5	1154.2		1.5
SMDH 00205b	15.5	81.0	169.0	19.1	66.0859	12.5638	1.38114	7.2	0.8	3.4	0.3	1.3	0.3	1.3	0.3	39.1	1.3	12.4	520.2	20.0	1155.1		
SMDH 00205b	9.9	49.8	98.9	11.0	38.2603	6.33953	1.38114	3.7	0.3	1.9	0.3	0.8	0.3	1.0	0.3	19.2	0.8	14.2	590.3	12.9	1050.2		
SMDH 00205b	20.8	112.6	243.0	27.4	96.2303	18.5575	1.49624	11.3	1.3	5.3	0.7	1.6	0.3	1.3	0.3	58.4	2.2	17.3	721.1	22.9	1472.3	0.3	1.6
SMDH 00205b	33.0	157.0	341.4	39.5	139.128	27.5482	1.26605	17.3	2.0	8.7	1.1	2.3	0.3	1.9	0.3	79.0	4.2	33.3	1410.1	47.2	2890.7		
SMDH 00206	28.5	75.8	165.7	20.1	69.796	13.1401	1.15095	7.7	0.9	4.9	1.0	2.2	0.3	2.4	0.3	34.6	2.8	11.8	504.8	19.0	350.2		
SMDH 00206	41.9	84.3	164.5	21.0	71.8829	14.2928	1.72643	8.9	1.3	7.2	1.4	3.2	0.6	3.5	0.3	39.0	2.4	7.3	308.0	20.0	677.2		1.6
SMDH 00206	40.6	76.6	167.1	19.3	68.4047	13.3707	1.26605	8.7	1.2	7.0	1.4	3.1	0.6	3.3	0.3	39.5	2.5	9.9	407.8	21.5	847.9	0.4	
SMDH 00206	45.4	79.2	173.4	20.3	73.0423	14.6386	1.26605	9.4	1.3	7.9	1.5	3.7	0.7	3.9	0.3	41.5	3.2	8.7	360.7	20.0	713.2		
SMDH 00206	32.8	89.0	195.4	22.6	78.8393	15.0996	1.72643	9.5	1.3	6.6	1.1	2.5	0.3	2.3	0.3	43.8	2.4	8.0	339.3	17.2	887.6		1.6
SMDH 00206	15.8	81.4	177.4	20.5	74.2017	13.2554	1.49624	8.1	0.9	4.1	0.6	1.0	0.3	0.9	0.3	38.7	2.4	9.0	381.6	44.3	916.1		
SMDH 00206	31.1	88.0	194.5	22.7	81.1581	15.6759	1.49624	9.7	1.2	6.3	1.1	2.5	0.3	2.5	0.3	44.7	2.5	8.7	365.0	15.7	815.7	0.3	
SMDH 00206	39.7	71.7	155.6	18.1	63.7671	12.5638	1.26605	8.1	1.2	6.9	1.4	3.1	0.6	3.3	0.3	35.7	2.6	9.2	374.4	31.5	809.9		1.5
SMDH 00206	45.4	73.6	160.5	18.3	56.8107	12.6791	1.26605	8.7	1.2	7.9	1.5	3.7	0.7	3.9	0.6	35.4	2.2	8.3	359.0	21.5	967.5		
SMDH 00206b	26.7	106.1	237.8	25.9	83.4769	16.8286	1.03586	10.3	1.2	5.5	1.0	2.2	0.3	2.4	0.3	50.0	2.5	16.6	717.5	12.9	726.5		
SMDH 00206b	50.6	119.2	214.6	27.7	88.1145	19.9407	2.5321	13.6	1.8	9.2	1.7	3.9	0.7	4.2	0.6	45.2	2.0	10.0	413.8	25.7	923.1	1.0	1.4
SMDH 00206b	39.2	102.6	232.1	27.3	88.1145	20.4018	1.49624	12.7	1.5	7.8	1.4	3.0	0.3	3.1	0.3	54.4	2.5	11.3	473.2	32.9	1031.1		
SMDH 00206b	34.9	115.1	262.0	28.7	98.5491	20.8628	1.49624	12.6	1.4	7.1	1.3	2.9	0.3	3.1	0.3	58.4	2.2	10.8	457.9	22.9	1042.5		
SMDH 00206b	28.1	100.9	231.0	26.3	84.6363	19.5949	1.26605	12.1	1.3	6.1	1.0	2.3	0.3	2.6	0.3	55.8	2.1	9.3	410.9	18.6	1057.9		1.5
SMDH 00206b	29.5	101.6	219.9	27.4	92.7521	16.5981	1.61133	12.4	1.3	7.2	1.4	3.7	0.3	2.6	0.3	54.3	2.7	11.1	455.5	21.5	983.9	0.4	
SMDH 00206b	34.0	108.1	236.8	30.3	98.5491	20.1712	1.38114	12.1	1.4	7.7	0.9	3.7	0.3	3.6	0.3	52.8	2.4	13.0	472.5	21.5	1084.8		1.7
SMDH 00206b	32.1	127.6	284.9	34.2	118.259	20.7476	1.84152	13.6	1.6	5.4	1.0	3.1	0.3	2.5	0.3	69.3	2.8	15.1	624.7	25.7	1168.9		
SMDH 00206b	19.1	108.6	225.0	29.5	91.5927	14.7538	1.49624	10.8	1.1	4.6	0.3	1.7	0.3	0.6	0.3	46.1	2.2	12.7	490.9	18.6	1000.7	0.8	
SMDH 00206b	24.2	119.9	258.0	32.9	111.303	16.9438	1.61133	12.5	1.4	6.1	0.8	1.8	0.3	1.5	0.3	55.2	2.4	12.1	370.1	21.5	1054.0		1.6
SMDH 00206b	30.5	121.9	263.2	33.3	113.621	22.0155	1.49624	13.6	1.2	8.0	1.0	2.5	0.3	2.0	0.3	44.9	2.1	12.0	473.2	21.5	1042.7		
SMDH 00206b	33.6	120.5	262.7	33.1	106.665	17.6354	1.26605	13.4	1.5	6.8	1.4	4.3	0.3	3.6	0.6	58.1	2.4	15.4	607.0	18.6	1135.2		
SMDH 00207	18.9	60.2	159.1	16.1	44.0573	9.56693	0.92076	7.0	0.6	2.9	0.6	1.6	0.3	1.3	0.3	41.7	2.4	10.3	486.4	21.5	1172.2	0.8	1.3
SMDH 00207	32.1	111.6	219.4	28.3	88.1145	14.9844	2.30191	12.9	1.3	5.5	0.7	2.6	0.3	1.9	0.3	52.8	3.3	5.8	304.1	24.3	911.9		
SMDH 00207	43.6	101.5	193.5	24.1	81.1581	16.137	1.72643	11.5	1.3	6.3	1.1	3.5	0.3	3.6	0.3	54.4	4.0	11.8	488.7	21.5	1001.4		
SMDH 00207	63.6	129.5	337.9	35.7	98.5491	15.9065	2.18681	11.7	2.0	10.2	1.5	6.0	0.3	4.1	0.6	56.0	6.7	13.7	583.7	25.7	1113.3		1.6
SMDH 00207	34.3	82.5	171.1	22.3	70.7235	16.7133	1.38114	10.4	1.2	4.7	0.7	2.9	0.3	1.8	0.3	47.4	4.1	11.3	523.6	22.9	976.4	0.6	
SMDH 00207	39.3	96.7	197.1	25.5	79.9987	16.3675	1.38114	12.4	1.1	6.3	1.0	3.2	0.3	3.3	0.3	54.6	4.1	12.3	548.3	18.6	1135.7		
SMDH 00207	34.3	123.3	244.1	32.1	110.143	19.0186	1.84152	12.7	1.3	5.6	1.1	3.5	0.3	2.8	0.3	71.8	3.4	18.2	789.9	21.5	1381.9		1.5
SMDH 00207	37.9	120.2	247.7	31.7	100.868	17.6354	1.84152	12.8	1.3	6.3	1.3	4.1	0.7	3.5	0.6	47.8	2.5	11.9	520.7	18.6	1057.5		
SMDH 00207	21.9	113.2	252.8	32.7	98.5491	4.49531	1.84152	12.7	1.2	4.6	0.9	1.7	0.3	1.4	0.3	18.7	2.2	8.8	328.8	17.2	992.3	0.5	
SMDH 00207	29.1	102.4	258.6	31.0	90.4333	3.80372	1.26605	10.3	1.2	4.9	0.8	3.7	0.6	2.0	0.3	18.1	2.8	10.6	424.8	18.6	955.9		1.6
SMDH 00207	7.9	37.0	82.3	9.0	31.4198	5.53268	1.95662	3.1	0.3	1.4	0.3	0.6	0.3	0.7	0.3	14.5	1.1	5.8	313.7	18.0	386.8		1.7
SMDH 00207b	34.0	93.4	189.1	27.7	81.1581	3.57319	1.38114	10.2	1.2	6.2	0.9	3.1	0.3	2.8	0.3	24.4	2.8	19.6	833.4	15.7	698.0		
SMDH 00207b	21.8	90.1	205.4	31.0	89.2739	3.80372	1.95662	8.5	0.8	4.0	0.8	1.8	0.3	2.2	0.3	19.9	2.6	13.3	541.5	20.0	4476.5	1.4	1.7
SMDH 00207b	34.7	123.2	252.7	30.7	107.824	3.45793	1.61133	11.6	1.4	6.3	1.1	2.6	0.3	2.3	0.3	20.0	2.0	8.7	345.8	17.2	880.2		
SMDH 00207b	27.8	193.2	392.9	46.0	158.838	5.41742	2.417	10.7	1.4	5.4	1.0	2.1	0.3	1.7	0.3	22.3	1.8	9.2	361.5	40.1	854.9		
SMDH 00207b	32.6	79.5	173.1	23.1	70.7235	3.2274	2.07171	10.9	0.9	6.2	1.1	2.9	0.3	2.5	0.3	19.9	1.9	8.6	373.4	18.6	1527.7		1.6
SMDH 00207b	52.0	48.7	87.4	14.8	41.7385	2.30528	2.417	8.0	0.9	9.3	1.7	4.2	0.3	3.6	0.6	16.2	2.7	7.8	343.0	37.2	2982.5	0.9	
SMDH 00207b	37.4	105.5	230.2	26.2	89.2739	18.0965	1.49624	10.7	1.3	8.5	1.1	3.5	0.6	3.1	0.3	10.6	4.0	6.6	264.1	17.2	879.7		
SMDH 00208	40.7	92.4	201.0	23.3	74.2017	13.2554	2.5321	9.5	1.1	5.6	1.0	3.0	0.3	2.7	0.3	52.5	3.3	15.3	609.6	17.2	795.4		1.6
SMDH 00208	42.6	98.7	211.4	24.5	78.8393	13.4859	3.10757	11.1	1.3	6.3	1.3	3.4	0.3	3.0	0.3	30.3	3.9	7.0	246.7	18.6	859.4		
SMDH 00208	42.8	120.2	243.7	29.1	95.0709	16.3675	1.15095	11.8	1.4	6.2	1.3	3.1	0.3	2.4	0.3	63.8	4.6	15.0	622.0	30.0	1168.9	1.1	
SMDH 00208	49.0	147.7	278.0	30.6	113.621	20.1712	1.49624	14.1	1.5	7.7	1.4	3.8	0.7	2.8	0.3	81.5	5.0	19.1	695.9	22.9	1199.5		1.4
SMDH 00208	37.8	103.4	217.1	26.8	89.2739	12.7943	1.49624	9.7	1.3	6.2	1.3	3.4	0.3	2.4	0.3	44.9	4.4	13.9	591.0	22.9	1061.4		
SMDH 00208	28.4	60.9	122.7	14.4	45.2167	9.3364	1.03586	5.5	0.7	4.4	0.9	2.4	0.3	1.9	0.3	25.7	2.8	11.1	460.9	17.2	764.8		
SMDH 00208	34.6	108.2	230.2	26.9	88.1145	14.6386	1.95662	9.4	1.2	7.0	1.0	3.0	0.3	2.0	0.3	39.9	1.9	10.4	493.4	21.5	804.7	0.1	1.5
SMDH 00208	40.3	108.5	236.1	26.9	90.4333	18.2117	1.84152	9.2	1.1	5.8	1.1	3.5	0.8	3.8	0.3	41.8	2.0	12.0	506.6	30.0	861.9		
SMDH 00208	38.0	90.4	199.8	23.5	75.3611	14.0622	1.15095	9.9	1.3	6.2	1.3	4.1	0.6	3.9	0.3	34.0	2.4	9.4	383.8	20.0	859.6		
SMDH 00208b	26.1	86.1	182.5	19.3	70.7235	13.2554	1.15095	6.8	0.8	3.1	0.7	2.1	0.3	2.2	0.3	38.3	2.7	13.2	573.4	12.9	682.8		1.5
SMDH 00208b	38.8	106.0	237.9	25.1	81.1581	12.6791	1.03586	8.2	0.9	4.8	0.9	3.0	0.3	2.8	0.3	37.8	3.1	8.5	381.6	18.6	1024.3	1.2	
SMDH 00208b	78.4	132.2	294.3	33.5	114.781	21.6697	2.18681	13.2	2.3	12.8	2.5	5.1	0.8	4.9	0.6	46.7	3.7	12.1	541.4	25.7	893.0		
SMDH 00208b	51.2	101.7	235.0	26.8	84.6363	17.2896	1.26605	11.2	1.6	9.6	1.6	4.3	0.6	4.2	0.3	40.9	2.7	11.6	504.4	21.5	833.2		1.6
SMDH 00208b	43.0	115.5	259.8	30.0	100.868	18.6728	1.61133	11.9	1.5	7.9	1.4	3.8	0.3	3.2	0.3	50.4	3.1	10.5	453.9	21.5	971.7		
SMDH 00208b	35.0	98.3	204.7	24.1	79.9987	12.218	1.15095	9.5	1.2	6.6	1.1	2.4	0.3	2.5	0.3	43.8	2.6	13.3	595.0	15.7	864.3	0.8	

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00208b	49.8	102.8	221.8	26.7	83.4769	17.0591	1.61133	11.6	1.4	9.2	1.6	3.7	0.7	4.0	0.6	30.9	2.4	14.3	589.9	20.0	812.7		1.7
SMDH 00209	91.0	305.4	721.9	82.3	291.01	47.3736	1.61133	30.6	3.8	18.6	2.7	6.8	1.3	6.8	1.1	156.0	6.5	46.1	1954.7	20.0	502.7		
SMDH 00209	33.3	87.6	181.1	19.9	64.9265	11.9875	1.72643	7.6	0.8	4.8	0.9	2.6	0.7	3.2	0.3	29.2	2.6	25.2	1182.5	21.5	1080.4	1.3	1.5
SMDH 00209	21.7	36.3	71.5	8.6	25.5068	4.61057	0.92076	3.7	0.3	4.6	0.7	1.0	0.3	1.7	0.3	10.6	2.0	34.3	1588.1	17.2	695.2		
SMDH 00209	15.2	36.2	70.1	7.9	20.8692	4.49531	1.03586	3.4	0.3	2.6	0.3	0.6	0.3	1.0	0.3	14.1	1.8	32.0	1461.4	14.3	619.9		
SMDH 00209	10.1	50.2	100.0	12.2	38.2603	6.68533	0.80567	5.6	0.3	1.7	0.3	0.6	0.3	0.9	0.3	18.2	1.3	24.1	1114.4	17.2	967.3		1.6
SMDH 00209	34.0	120.6	249.3	30.3	90.4333	16.4828	1.38114	10.2	1.4	6.5	1.1	3.1	0.6	4.3	0.3	50.6	2.6	13.7	641.4	22.9	1192.5	0.9	
SMDH 00209	52.8	163.8	335.7	40.0	136.809	22.246	1.95662	16.2	2.0	11.1	1.8	5.5	0.9	5.7	0.8	68.7	3.2	37.7	1811.4	42.9	1194.8		
SMDH 00209	45.8	131.5	266.1	32.3	104.346	15.0996	1.49624	11.2	1.5	7.9	1.7	4.1	0.7	4.7	0.9	81.7	2.8	36.9	1624.1	22.9	1173.3		1.5
SMDH 00209	42.2	144.8	304.3	36.3	128.694	17.1744	1.84152	15.6	1.8	8.2	1.6	3.5	0.7	4.3	0.6	62.8	2.1	26.2	1184.0	18.6	1142.0		
SMDH 00209	42.6	173.5	461.0	49.1	190.142	20.4018	1.72643	12.6	1.3	8.2	1.4	3.3	0.6	3.6	0.3	66.0	2.7	32.9	1460.3	37.2	2023.1	0.5	
SMDH 00209	55.5	104.8	202.7	24.7	79.9987	13.2554	1.49624	11.1	1.3	8.5	1.9	4.7	0.8	6.9	1.0	42.1	2.4	23.1	1064.2	20.0	1233.1		1.4
SMDH 00209	50.4	98.7	202.0	22.6	75.3611	12.7943	1.38114	10.1	1.5	8.8	2.1	4.9	1.0	6.0	0.8	30.7	2.0	15.3	678.2	20.0	1122.9		
SMDH 00209	47.1	133.1	288.0	34.9	110.143	19.8254	1.49624	10.4	1.5	8.6	1.6	4.6	0.8	4.4	0.9	59.2	2.7	10.0	481.3	24.3	1677.9		
SMDH 00209	43.6	135.0	258.0	30.3	98.5491	16.8286	2.18681	8.8	1.2	5.8	1.1	2.9	0.3	2.6	0.3	57.7	3.5	10.7	518.6	21.5	1311.1	0.7	1.6
SMDH 00209	49.8	147.0	292.2	33.5	103.187	18.2117	1.61133	11.6	1.3	6.1	1.5	4.8	0.3	3.2	0.3	73.8	4.1	13.1	616.1	25.7	1497.1		
SMDH 00209	52.5	132.8	274.0	30.9	111.303	14.5233	1.15095	10.2	1.8	9.2	1.7	5.4	0.6	3.3	0.3	67.2	4.4	23.1	1142.4	18.6	1265.4		
SMDH 00209	38.9	113.2	232.5	27.7	88.1145	13.8317	1.49624	7.7	0.9	4.1	0.7	2.5	0.3	1.5	0.3	61.9	4.1	2.1	93.7	20.0	1155.8		1.5
SMDH 00209	28.3	67.4	133.2	14.7	47.5355	7.95323	1.15095	5.0	0.3	3.0	0.6	2.1	0.3	1.5	0.3	34.3	3.5	2.6	108.2	18.6	1359.5	0.3	
SMDH 00209b	45.4	105.8	239.7	27.3	86.9551	16.4828	1.26605	9.5	1.2	8.0	1.7	3.2	0.3	3.9	0.3	62.9	3.8	2.6	97.8	15.7	878.3		
SMDH 00209b	40.3	101.7	169.1	19.1	69.5641	10.6043	1.26605	6.4	1.1	6.4	1.5	4.6	0.7	3.5	0.3	40.0	2.2	1.4	58.2	22.9	936.9		1.4
SMDH 00209b	42.6	71.2	137.1	16.5	57.9701	10.7196	0.92076	7.3	0.9	6.5	1.5	3.5	0.3	3.3	0.3	33.3	1.9	7.9	309.3	18.6	792.3		
SMDH 00209b	45.0	96.9	199.3	23.5	78.8393	11.757	1.15095	9.4	1.2	7.3	1.5	4.3	0.6	4.3	0.3	40.3	2.7	9.9	315.4	24.3	722.3	1.4	
SMDH 00209b	33.1	119.0	250.0	30.6	105.506	16.3675	1.26605	11.2	1.1	5.2	1.1	2.3	0.3	2.4	0.3	59.3	2.4	12.6	457.9	24.3	1020.6		1.5
SMDH 00209b	36.4	139.9	280.9	34.0	112.462	20.1712	1.15095	14.3	1.2	7.1	1.1	2.6	0.3	2.2	0.3	64.6	2.7	14.3	478.9	27.2	1027.6		
SMDH 00209b	62.2	138.1	295.6	37.1	117.1	19.8254	1.72643	15.0	1.9	10.0	1.8	5.9	1.0	6.8	1.0	63.4	2.8	11.9	441.0	30.0	1144.1		
SMDH 00209b	38.1	136.0	280.4	34.0	111.303	18.7881	1.38114	12.5	1.4	7.0	1.4	3.1	0.3	3.1	0.3	75.4	2.6	14.9	504.0	24.3	1015.9	0.5	1.4
SMDH 00209b	14.8	63.2	118.8	14.4	49.8543	9.45167	1.03586	5.3	0.3	2.9	0.3	1.5	0.3	1.0	0.3	27.5	1.9	11.7	456.2	14.3	897.0		
SMDH 00209b	24.5	70.3	136.5	16.5	55.6513	9.3364	1.49624	5.6	0.6	3.2	1.0	2.3	0.3	2.5	0.3	24.1	1.9	11.3	437.8	24.3	1097.4		
SMDH 00209b	23.3	51.6	109.2	12.7	40.5791	8.87535	1.26605	5.3	0.3	2.4	0.7	1.3	0.3	1.0	0.3	28.2	2.1	13.4	540.6	20.0	1081.8		1.5
SMDH 00209b	45.2	100.9	219.3	25.7	76.5205	13.4859	1.03586	8.4	1.1	6.1	1.3	3.2	0.6	2.5	0.3	58.3	3.2	16.5	607.9	17.2	826.7	0.4	
SMDH 00210	38.4	98.6	213.3	25.2	88.1145	18.6728	1.26605	9.1	1.2	4.7	1.0	1.7	0.3	1.7	0.3	50.5	3.8	9.8	368.5	17.2	939.3		
SMDH 00210	54.9	65.9	119.7	15.5	51.0137	11.0654	1.49624	7.3	0.7	4.6	1.3	3.3	0.6	2.7	0.3	27.7	3.3	10.7	387.9	21.5	815.2		1.5
SMDH 00210	64.6	240.2	209.4	18.5	70.7235	8.29903	1.49624	5.3	0.9	6.3	1.7	5.5	0.7	4.5	0.8	20.3	3.3	17.5	647.2	48.6	773.9		
SMDH 00210	70.8	82.8	183.6	20.2	69.5641	15.2149	1.26605	8.4	1.2	8.0	1.7	5.8	1.1	5.1	0.7	43.2	4.1	13.7	471.3	24.3	1017.5	0.7	
SMDH 00210	66.2	71.2	150.0	17.2	52.1731	12.4485	1.26605	7.7	1.3	7.7	1.6	4.0	0.9	4.2	0.7	30.1	4.1	10.7	443.6	24.3	799.1		1.6
SMDH 00210	64.0	36.0	64.7	7.8	19.7098	5.41742	1.49624	3.1	0.9	9.3	2.2	4.9	0.9	5.0	0.7	9.0	2.0	11.1	495.2	24.3	700.5		
SMDH 00210	64.6	32.9	61.6	6.0	15.0722	4.8411	1.38114	4.8	0.9	8.7	2.4	5.7	1.1	8.8	2.0	24.5	1.7	15.7	540.9	25.7	942.5		
SMDH 00210	32.8	99.4	205.1	25.2	83.4769	17.0591	1.49624	9.3	1.2	6.5	1.3	3.1	0.6	3.4	0.3	47.6	3.9	17.1	615.4	20.0	880.6	0.7	1.6
SMDH 00210	32.1	113.0	240.5	28.2	96.2303	16.7133	1.26605	9.9	0.8	5.6	1.1	3.0	0.3	3.2	0.6	48.7	2.2	10.4	397.8	21.5	925.2		
SMDH 00210	38.7	123.9	215.2	24.9	92.7521	13.1401	1.26605	8.9	0.9	6.4	1.1	3.1	0.6	4.8	0.9	43.4	2.5	15.3	577.1	25.7	989.7		
SMDH 00210	23.3	111.9	226.1	26.8	81.1581	14.8691	1.49624	8.8	0.9	4.4	0.8	1.6	0.3	1.4	0.3	46.9	2.2	14.9	508.2	21.5	940.2	0.6	
SMDH 00210b	29.9	132.5	269.4	30.6	104.346	16.137	1.38114	11.7	1.2	7.4	1.3	1.9	0.3	1.7	0.3	59.3	3.2	20.2	727.0	12.9	776.5		
SMDH 00210b	49.0	214.7	329.8	53.2	195.939	30.8908	1.84152	20.6	2.1	8.8	1.6	3.9	0.3	4.0	0.3	62.6	4.5	12.7	637.7	20.0	947.7		1.4
SMDH 00210b	39.7	89.8	180.4	21.4	74.2017	11.0654	1.49624	8.1	1.1	5.3	1.1	3.0	0.3	2.8	0.6	63.6	3.5	11.7	541.0	18.6	898.6		
SMDH 00210b	32.1	94.8	195.6	22.6	73.0423	13.947	1.38114	8.2	0.7	4.2	0.8	1.6	0.3	1.5	0.3	199.1	3.7	18.8	964.2	20.0	863.6	0.7	
SMDH 00210b	32.3	91.7	188.9	22.3	67.2453	11.9875	1.61133	7.6	0.8	3.2	0.3	0.9	0.3	0.6	0.3	54.7	4.1	13.2	596.2	17.2	693.3		1.6
SMDH 00210b	39.3	114.9	239.8	26.4	92.7521	13.2554	1.61133	9.3	1.2	4.2	0.8	2.1	0.3	3.2	0.3	79.4	4.5	16.4	860.3	22.9	1017.5		
SMDH 00210b	34.1	93.6	202.4	22.7	75.3611	13.6012	1.61133	9.1	0.8	4.7	0.7	1.9	0.3	2.3	0.3	65.2	3.2	13.4	646.1	18.6	978.0		
SMDH 00210b	50.4	129.8	329.8	31.5	106.665	17.6354	1.84152	11.9	1.3	6.8	1.6	4.0	0.6	4.9	0.8	66.5	3.7	15.9	776.8	24.3	1160.0	0.5	1.6
SMDH 00210b	41.9	115.2	240.7	27.6	93.9115	17.9812	1.61133	11.3	1.3	7.0	1.4	3.2	0.7	3.8	0.7	73.1	5.2	18.3	826.0	22.9	1283.6		
SMDH 00210b	29.1	294.8	476.4	52.5	220.286	28.5855	3.45286	11.2	1.8	5.4	1.1	2.1	0.3	3.0	0.3	37.1	2.4	15.7	418.3	58.7	1017.3		
SMDH 00210b	20.3	120.7	197.9	24.7	83.4769	14.8691	1.26605	8.0	1.3	4.6	0.6	1.3	0.3	0.8	0.3	38.6	2.2	20.6	526.7	21.5	1127.1		1.4
SMDH 00210b	25.6	118.0	196.5	24.9	95.0709	15.0996	1.15095	8.2	1.4	4.5	0.8	1.6	0.3	2.3	0.3	50.1	3.3	21.8	619.5	22.9	1098.1	0.5	
SMDH 00210b	27.9	139.0	218.7	26.9	93.9115	13.3707	1.72643	8.4	1.3	4.9	0.8	1.5	0.3	1.9	0.3	47.9	3.5	17.1	495.3	30.0	956.8		
SMDH 00210b	31.6	106.5	175.2	22.6	75.3611	13.1401	1.26605	8.4	1.6	6.0	1.0	2.1	0.3	2.3	0.3	41.1	3.4	17.9	526.4	21.5	941.1		1.4
SMDH 00211	49.7	126.5	288.1	31.0	106.665	18.327	1.38114	11.3	1.5	8.0	1.6	3.5	0.6	3.6	0.6	56.1	4.0	14.5	531.5	21.5	550.8		
SMDH 00211	38.5	88.7	141.2	16.5	53.3325	8.87535	1.15095	6.3	1.2	5.5	1.4	2.4	0.3	3.3	0.3	80.7	3.5	16.9	408.2	28.6	876.2	1.2	
SMDH 00211	59.3	103.6	162.3	19.1	68.4047	9.79746	1.49624	7.2	1.6	8.2	1.9	3.8	0.6	4.8	0.7	50.0	2.6	13.6	395.0	25.7	1046.5		1.6
SMDH 00211	35.5	47.0	68.4	8.5	22.0286	5.30216	1.49624	3.0	0.8	4.7	1.1	2.6	0.3	3.8	0.3	15.3	1.5	16.3	434.4	22.9	963.6		
SMDH 00211	37.8	47.5	93.2	6.4	19.7098	4.14951	1.15095	2.7	1.1	5.0	1.3	2.6	0.3	3.9	0.3	9.9	3.1	12.5	312.4	8.6	809.6		
SMDH 00211	46.4	137.5	308.6	18.0	82.3175	10.9501	2.18681	4.4	1.4	7.0	1.6	3.7	0.3	6.4	0.3	8.1	3.2	10.3	294.9	15.7	793.5	0.5	1.6
SMDH 00211	51.2	32.6	64.7	4.1	12.7534	4.03425	1.49624	1.7	1.3	6.6	1.7	4.2	0.7	8.8	0.3	6.4	3.4	15.3	423.1	10.0	736.5		
SMDH 00211	53.6	25.8	50.4	3.7	10.4346	2.65108	1.15095	2.3	1.4	6.2	1.8	4.6	1.0	8.6	0.6	11.4	3.1	17.1	478.6	7.2	793.5		
SMDH 00211	28.5	72.8	161.0	11.6	41.7385	8.76008	1.03586	3.8	1.3	3.6	1.0	1.8	0.3	3.6	0.3	64.4	3.2	18.0	503.0	8.6	850.7		1.6
SMDH 00211	25.7	89.0	193.6	14.5	48.6949	10.3738	0.69057	4.7	1.4	4.1	0.9	1.7	0.3	3.6	0.3	78.4	3.7	15.6	421.4	8.6	1028.5	0.6	
SMDH 00211	17.6	53.9	117.7	8.3	28.985	7.7227	1.15095	3.2	0.6	2.3	0.3	0.9	0.3	2.2	0.3	48.7	2.8	14.4	405.9	5.7	812.0		
SMDH 00211b	26.0	80.3	172.4	12.1	51.0137	11.0654	0.80567	5.0	1.4	4.1	0.8	1.7	0.3	3.2	0.3	51.7	3.7	15.2	437.9	10.0	1141.3		1.3
SMDH 00211b	43.0	109.5	247.2	19.2	68.4047	13.947	1.03586	6.9	1.6	5.2	1.1	2.3	0.3	4.3	0.3	71.4	4.4	16.6	436.0	10.0	926.9		
SMDH 00211b	28.8	74.5	151.2	12.4	47.5355	11.8722	1.03586	4.6	1.3	3.8	0.8	1.3	0.3	3.1	0.3	70.4	3.1	18.4	481.2	7.2	847.2	1.1	
SMDH 00211b	24.0	88.2	182.6	15.0	54.4919	12.6791	0.80567	5.6	1.1	2.7	0.3	0.9	0.3	1.7	0.3	61.8	2.7	16.9	521.8	5.7	1040.9		1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00211b	40.7	93.9	193.7	15.1	56.8107	15.2149	0.92076	5.6	1.5	4.4	1.0	2.2	0.3	4.9	0.3	58.9	3.4	15.4	445.2	8.6	995.3		
SMDH 00211b	29.5	98.0	178.0	14.7	59.1295	10.028	0.92076	4.5	1.1	3.6	0.7	1.5	0.3	4.2	0.3	51.4	2.6	12.5	405.8	10.0	915.7		
SMDH 00211b	24.6	80.8	170.3	13.0	47.5355	10.2585	1.15095	4.4	1.3	3.0	0.6	1.3	0.3	1.9	0.3	61.1	2.9	17.8	484.8	7.2	890.4	0.6	1.6
SMDH 00211b	26.2	73.0	152.4	12.1	47.5355	9.6822	0.92076	4.4	0.9	3.1	0.7	1.5	0.3	2.7	0.3	54.5	2.6	14.2	454.4	5.7	810.8		
SMDH 00211b	29.3	78.7	161.3	13.7	51.0137	13.0249	1.03586	4.9	1.4	3.1	0.8	1.3	0.3	3.6	0.3	41.3	2.7	10.3	349.5	5.7	854.0		
SMDH 00211b	44.4	105.8	218.7	27.5	83.4769	18.2117	1.38114	11.8	1.6	9.6	1.7	5.8	0.6	4.5	1.5	45.5	3.3	10.1	440.1	27.2	780.4		1.6
SMDH 00211b	32.1	130.8	200.2	24.4	79.9987	14.9844	1.49624	9.7	1.2	7.1	1.3	3.5	0.3	3.3	1.1	51.3	2.8	12.1	531.7	31.5	712.0	0.5	
SMDH 00211b	38.8	109.9	216.2	26.7	89.2739	17.2896	1.61133	11.0	1.5	8.0	1.4	4.7	0.3	3.8	1.5	39.6	2.9	7.3	300.4	18.6	919.4		
SMDH 00211b	51.8	153.7	269.8	32.4	105.506	18.6728	2.18681	12.0	2.2	9.5	1.6	6.6	0.7	4.4	1.9	54.4	3.5	12.4	485.2	32.9	1112.8		1.5
SMDH 00211b	52.0	141.6	285.3	35.1	117.1	21.7849	2.18681	12.5	2.0	8.5	1.7	5.2	0.6	4.7	2.2	49.1	4.6	11.2	482.4	31.5	1131.5		
SMDH 00211b	52.5	151.3	308.9	38.0	126.375	19.0186	1.84152	14.8	2.0	12.5	1.9	5.2	0.8	4.9	1.9	59.5	4.2	18.2	674.5	28.6	1270.7		1.6
SMDH 00211b	40.0	154.5	319.0	36.7	121.737	22.3613	1.95662	14.8	2.5	8.7	1.3	5.2	0.6	3.3	1.5	63.9	3.1	13.8	562.2	22.9	1098.6		
SMDH 00211b	22.7	112.7	189.9	25.8	77.6799	14.0622	2.76229	7.4	0.8	3.4	0.6	1.8	0.3	0.8	0.7	44.5	2.4	11.7	458.2	20.0	765.2		
SMDH 00211b	26.4	122.0	212.8	28.0	81.1581	14.7538	1.72643	7.6	0.9	6.0	0.7	1.6	0.3	0.6	0.9	48.9	2.9	12.7	525.9	18.6	738.4	0.4	1.6
SMDH 00212	77.9	209.9	344.0	47.3	144.925	22.1307	2.64719	16.0	2.2	13.4	2.7	12.0	1.1	6.9	2.2	63.5	4.5	16.4	624.7	31.5	956.6		
SMDH 00212	46.8	130.8	230.2	31.5	93.9115	15.4454	1.84152	10.8	1.5	8.1	1.6	5.6	0.7	3.0	1.6	57.1	3.8	14.2	526.9	27.2	995.8		
SMDH 00212	42.2	142.3	258.5	35.3	119.418	16.7133	1.61133	10.1	1.3	8.6	1.7	5.9	0.6	2.5	1.7	54.5	3.2	11.7	503.3	28.6	1079.2		1.5
SMDH 00212	39.9	154.9	269.8	38.0	110.143	14.7538	1.95662	12.7	1.2	7.7	1.9	4.6	0.6	1.9	1.0	57.6	3.1	12.1	521.7	24.3	995.8	0.7	
SMDH 00212	43.6	145.6	263.3	36.4	108.984	14.9844	1.26605	10.8	2.0	9.3	2.1	6.5	0.7	2.7	1.2	51.2	3.1	11.9	477.1	27.2	1147.9		
SMDH 00212	90.0	109.9	243.7	28.0	95.0709	19.3644	1.72643	10.9	1.4	9.3	1.7	3.8	0.7	3.6	1.1	50.4	4.8	13.1	562.9	30.0	1135.7		1.5
SMDH 00212	90.0	96.0	209.6	25.8	81.1581	15.5607	1.61133	9.4	1.3	8.6	1.8	3.7	0.9	4.1	1.4	49.6	2.9	10.8	531.5	28.6	949.3		
SMDH 00212	107.3	112.9	238.7	26.7	93.9115	17.4049	1.49624	11.1	1.9	15.9	4.1	9.2	1.9	10.1	1.5	47.0	3.5	12.9	543.0	30.0	1168.9	0.4	
SMDH 00212	125.6	111.7	233.9	25.8	92.7521	17.0591	1.49624	11.2	2.1	17.5	4.7	11.1	2.3	12.5	1.7	44.1	3.5	14.9	623.7	32.9	929.0		1.5
SMDH 00212b	46.6	127.0	284.0	30.4	106.665	19.0186	1.61133	11.7	1.5	9.0	1.8	3.8	0.7	3.4	0.3	54.2	3.5	17.2	755.8	20.0	1028.5		
SMDH 00212b	50.4	93.6	167.0	21.0	74.2017	13.2554	1.49624	8.7	1.2	8.1	1.8	3.9	0.7	3.5	0.3	32.6	2.1	7.2	307.6	20.0	783.5		
SMDH 00212b	53.6	105.1	226.8	25.1	89.2739	16.5981	1.49624	10.1	1.4	9.4	2.1	4.3	0.8	4.2	0.6	44.5	3.4	9.8	420.0	24.3	974.8	0.9	1.6
SMDH 00212b	59.1	108.5	231.1	25.8	91.5927	17.0591	1.26605	10.0	1.5	10.0	2.3	4.7	0.9	4.5	0.6	45.2	3.2	11.2	477.5	25.7	1094.8		
SMDH 00212b	39.3	96.5	204.1	22.6	78.8393	14.2928	1.26605	8.5	1.2	7.1	1.6	3.2	0.6	3.1	0.3	40.5	2.2	9.9	434.8	20.0	1198.6		
SMDH 00212b	42.2	120.4	253.0	27.6	96.2303	17.5202	1.72643	10.2	1.4	8.1	1.7	3.3	0.6	3.3	0.3	46.2	2.8	14.5	641.6	35.8	1925.9		1.7
SMDH 00212b	28.6	116.7	246.5	27.1	95.0709	16.0217	1.84152	9.4	1.2	5.8	1.1	2.2	0.3	1.8	0.3	45.7	2.4	11.7	492.6	21.5	1204.2	0.7	
SMDH 00212b	20.2	116.4	239.2	27.5	92.7521	15.9065	2.07171	8.5	1.1	5.0	0.7	1.3	0.3	0.9	0.3	44.3	1.8	10.4	440.9	22.9	905.2		
SMDH 00213	47.1	173.3	340.1	41.1	137.969	24.6665	2.30191	13.6	1.8	9.5	1.6	3.3	0.6	3.5	0.3	63.0	4.0	17.5	741.2	31.5	648.7		1.5
SMDH 00213	41.3	96.3	190.2	22.5	75.3611	14.6386	1.61133	8.5	1.2	7.3	1.4	3.0	0.6	3.6	0.3	41.1	2.7	11.0	458.9	24.3	1215.4		
SMDH 00213	37.6	76.2	160.2	18.5	62.6077	12.3333	1.61133	7.0	1.1	6.3	1.3	2.9	0.6	3.5	0.3	35.2	2.7	9.3	386.5	42.9	688.2	0.8	
SMDH 00213	32.7	84.2	177.9	20.5	69.5641	13.6012	1.49624	7.4	1.1	6.2	1.1	2.4	0.3	2.8	0.3	39.4	2.7	8.6	346.6	27.2	603.6		1.5
SMDH 00213	26.4	70.6	154.8	17.3	56.8107	11.4112	1.49624	6.4	0.8	4.9	0.9	1.9	0.3	2.2	0.3	34.0	2.5	9.0	363.8	22.9	555.9		
SMDH 00213	27.0	87.9	184.8	21.1	70.7235	13.7164	1.49624	7.7	0.9	5.4	0.9	1.9	0.3	2.2	0.3	37.7	2.5	9.6	392.5	21.5	599.2		
SMDH 00213	34.2	109.2	229.5	26.1	86.9551	16.5981	1.61133	9.2	1.3	7.2	1.1	2.4	0.3	2.5	0.3	47.1	4.0	12.1	550.9	24.3	896.8	0.5	1.5
SMDH 00213	41.4	93.5	209.4	23.8	83.4769	15.7912	2.417	9.4	1.3	10.1	1.9	3.5	0.6	3.0	0.3	42.2	3.2	12.4	373.9	21.5	768.5		
SMDH 00213	28.5	96.8	212.5	24.4	86.9551	15.3301	2.5321	9.4	1.1	7.7	1.4	2.5	0.3	2.0	0.3	43.7	2.5	13.1	387.1	25.7	746.8		
SMDH 00213	26.4	94.2	206.5	23.8	84.6363	15.2149	2.417	8.9	1.2	7.8	1.3	2.2	0.3	1.7	0.3	44.7	2.9	14.9	438.5	24.3	772.9		1.6
SMDH 00213b	51.3	111.7	263.9	28.1	100.636	17.0591	1.61133	11.3	1.5	8.8	1.9	3.9	0.8	4.4	0.7	51.7	4.7	14.1	572.6	28.3	630.9		
SMDH 00213b	51.1	123.0	258.9	30.7	107.824	18.5575	2.76229	11.6	1.6	12.9	2.4	4.2	0.7	3.3	0.3	48.2	5.1	17.2	507.5	41.5	805.4		
SMDH 00213b	59.6	135.2	273.4	31.8	110.143	18.7881	2.64719	11.8	1.6	13.7	2.7	5.2	0.8	4.2	0.6	46.4	4.7	15.7	454.9	62.9	653.6		1.5
SMDH 00213b	64.1	104.6	221.4	25.5	82.3175	16.7133	1.49624	11.7	1.5	9.7	2.1	5.2	0.7	5.5	0.7	42.1	4.0	11.2	445.5	28.6	985.3		
SMDH 00213b	56.4	113.0	227.8	26.8	89.2739	13.947	1.95662	11.2	1.5	9.2	1.6	4.0	0.7	2.8	0.3	52.4	4.4	14.7	500.5	30.0	1015.2	0.8	
SMDH 00213b	77.9	192.2	406.8	50.7	157.679	28.4703	3.56795	16.5	2.8	11.9	1.8	6.2	1.1	4.9	0.9	49.4	4.4	11.4	420.5	32.9	1028.3		1.6
SMDH 00213b	58.3	96.4	196.1	22.7	74.2017	13.7164	1.49624	8.9	1.2	7.9	1.5	3.4	0.6	3.9	0.6	51.7	6.0	16.4	504.7	24.3	995.3		
SMDH 00213b	45.9	110.4	237.8	26.2	86.9551	14.8691	1.95662	10.4	1.5	7.6	1.3	3.1	0.3	2.6	0.3	54.2	4.5	16.6	653.0	24.3	1414.4		
SMDH 00213b	51.5	430.3	310.9	82.7	263.184	33.6572	4.25852	16.3	2.1	10.0	1.9	4.6	0.6	3.5	0.3	44.5	3.8	14.7	542.8	88.7	1148.3	0.8	1.6
SMDH 00213b	48.9	119.1	241.6	28.9	96.2303	17.4049	1.84152	12.6	1.5	8.7	1.6	4.5	0.7	4.9	0.3	36.0	3.4	12.4	350.3	24.3	798.9		
SMDH 00213b	40.7	92.1	208.5	23.5	85.9117	14.408	1.84152	8.6	1.2	6.6	1.6	2.9	0.3	3.1	0.6	38.3	3.1	9.1	540.0	24.0	527.4		
SMDH 00213b	36.2	79.4	166.3	19.2	56.8107	12.1027	1.72643	9.7	1.1	5.7	1.4	3.5	0.6	3.4	0.3	35.0	2.2	16.5	548.4	15.7	840.9	0.5	
SMDH 00213b	51.2	115.2	234.5	28.0	89.2739	17.2896	1.95662	11.6	1.4	8.7	1.6	3.8	0.7	4.4	0.7	49.6	3.3	14.5	377.4	22.9	1351.8		
SMDH 00214	51.1	135.1	281.4	32.4	104.346	21.7849	1.61133	14.0	1.4	8.8	1.5	4.9	0.6	4.0	0.8	45.7	3.9	13.9	400.6	24.3	784.2		1.4
SMDH 00214	35.7	98.4	245.0	26.1	83.4769	15.0996	1.15095	10.4	1.1	5.8	1.4	3.1	0.3	3.4	0.3	45.2	2.9	14.3	402.0	20.0	1034.3		
SMDH 00214	42.1	108.8	219.3	25.8	84.6363	16.4828	1.72643	10.4	1.3	6.9	1.5	3.7	0.3	4.8	0.3	44.6	3.7	12.0	337.7	18.6	872.5	0.4	
SMDH 00214	46.6	104.9	208.4	24.1	73.0423	15.7912	1.49624	8.8	1.3	6.8	1.5	5.4	0.7	4.7	0.6	37.1	2.8	12.3	342.2	20.0	899.8		1.5
SMDH 00214	52.3	92.7	187.8	21.9	74.2017	13.2554	1.49624	10.3	1.2	8.0	1.8	4.9	0.8	5.5	0.7	45.0	3.3	12.4	360.3	20.0	941.8		
SMDH 00214	44.6	97.4	213.8	25.3	74.2017	13.2554	1.38114	10.2	1.1	6.6	1.3	3.5	0.6	4.3	0.3	50.6	2.9	15.8	458.1	20.0	1011.0		
SMDH 00214	49.2	88.9	184.5	21.5	69.5641	14.0622	1.26605	8.7	0.8	7.0	1.7	5.6	0.3	5.8	0.7	45.3	3.2	12.1	365.4	18.6	876.9	0.4	1.5
SMDH 00214	51.5	90.4	191.0	22.5	74.2017	13.947	1.38114	9.9	1.2	7.2	1.6	4.7	0.6	4.8	0.7	40.0	3.9	12.9	380.4	24.3	856.3		
SMDH 00214b	53.7	91.1	194.7	20.4	74.2017	13.4859	1.38114	9.5	0.9	5.5	1.4	3.4	0.7	4.0	0.3	31.9	6.5	15.7	470.8	15.7	654.1		
SMDH 00214b	52.1	166.9	352.6	39.4	134.491	19.9407	1.84152	15.0	1.4	8.0	1.6	4.1	0.7	4.1	0.3	67.1	6.3	18.5	552.2	22.9	963.6		1.5
SMDH 00214b	48.4	172.5	371.4	42.9	146.085	27.2024	1.72643	18.0	1.8	9.0	1.7	4.7	0.3	3.3	0.6	86.8	5.9	14.5	435.6	17.2	911.9	1.3	
SMDH 00214b	58.6	113.1	238.8	26.7	89.2739	16.137	1.38114	11.8	1.6	10.4	2.1	6.3	0.9	5.9	1.0	32.8	4.2	11.1	305.3	27.2	633.5		
SMDH 00214b	59.2	94.6	202.1	23.7	74.2017	12.6791	1.26605	11.5	1.3	8.6	2.1	5.7	0.9	5.5	0.8	45.5	3.7	13.2	381.6	24.3	1118.4		1.5
SMDH 00214b	63.7	110.3	232.2	26.5	85.7957	17.866	2.30191	11.5	15.4	10.2	2.2	7.1	1.1	7.3	0.8	42.9	3.5	13.8	390.9	31.5	1267.2		
SMDH 00214b	72.6	84.2	181.7	20.8	70.7235	15.6759	1.38114	9.2	15.1	11.3	2.4	7.8	1.3	6.7	1.1	37.8	3.3	10.7	317.8	25.7	1176.8	0.8	
SMDH 00214b	48.5	82.5	172.5	20.4	62.6077	13.7164	0.69057	8.7	9.6	7.3	1.9	5.5	0.9	5.7	0.8	35.7	2.6	12.3	379.8	21.5	1068.7		1.5
SMDH 00215	17.7	94.8	189.3	20.9	66.0859	10.3738	1.84152	7.0	5.2	3.1	0.8	1.9	0.3	1.6	0.3	33.7	1.7	12.3	334.3	27.2	785.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00215	19.4	146.4	293.7	35.2	117.1	19.3644	1.61133	10.7	10.0	4.2	0.7	1.8	0.3	1.1	0.3	20.0	2.0	10.4	311.8	17.2	765.0		
SMDH 00215	10.1	44.7	76.1	6.8	20.8692	5.30216	0.92076	3.2	2.6	1.6	0.3	0.9	0.3	0.8	0.3	12.0	1.3	5.9	141.7	8.6	531.4	0.9	1.7
SMDH 00215	20.2	71.4	145.0	16.7	53.3325	10.7196	1.38114	6.2	6.7	3.0	0.7	2.1	0.3	1.9	0.3	35.2	1.5	9.1	244.4	12.9	925.5		
SMDH 00215	33.8	101.5	199.3	23.1	76.5205	14.9844	0.92076	7.9	0.7	4.8	1.0	3.2	0.3	2.3	0.3	44.9	2.5	8.4	342.7	11.4	1036.9		
SMDH 00215	34.3	78.9	159.1	19.1	63.7671	11.8722	1.26605	6.1	0.7	4.6	0.8	2.3	0.3	2.4	0.3	32.8	2.8	6.0	246.7	10.0	872.9		1.6
SMDH 00215	51.8	99.9	205.1	24.7	78.8393	13.4859	0.80567	10.7	0.8	6.4	1.4	3.9	0.8	4.2	0.9	41.9	3.4	8.5	322.0	17.2	1121.9	0.5	
SMDH 00215	31.6	65.5	125.2	14.1	44.0573	10.9501	1.26605	5.4	0.6	3.0	0.6	1.9	0.3	1.7	0.3	25.0	3.3	6.8	310.8	21.5	1039.7		
SMDH 00215b	50.4	119.7	248.1	28.1	99.7085	18.7881	1.15095	11.9	1.6	6.5	1.3	3.0	0.3	2.4	0.3	46.9	5.3	9.8	433.7	17.2	609.2		1.5
SMDH 00215b	39.5	100.7	197.7	23.3	75.3611	15.2149	1.49624	10.0	0.9	4.8	0.9	2.4	0.3	1.8	0.3	39.3	4.2	9.0	391.5	32.9	749.8		
SMDH 00215b	23.3	83.5	155.6	18.1	55.6513	10.3738	1.49624	6.9	0.6	2.9	0.3	0.7	0.3	0.6	0.3	29.0	3.4	8.4	340.8	18.6	676.7	2.1	
SMDH 00215b	4.4	14.6	35.5	2.6	6.95641	1.6137	0.28774	1.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	32.4	0.3	9.3	341.3	18.6	468.3		1.6
SMDH 00215b	13.2	240.3	454.8	43.6	172.751	23.7444	2.07171	8.9	0.8	3.4	0.3	0.9	0.3	0.6	0.3	32.8	2.9	9.8	210.9	54.4	566.5		
SMDH 00215b	23.2	150.8	159.4	25.2	107.824	20.4018	0.92076	6.5	0.7	3.9	0.3	2.2	0.3	2.4	0.3	18.1	3.5	13.9	316.4	42.9	129.6		
SMDH 00215b	14.8	58.0	112.6	20.4	74.2017	19.1339	0.92076	6.4	0.7	2.9	0.3	0.9	0.3	0.9	0.3	29.4	3.5	19.5	383.1	22.9	654.3	0.5	1.5
SMDH 00215b	23.2	82.4	150.3	28.6	98.5491	24.5513	0.92076	7.8	1.1	4.1	0.3	1.6	0.3	2.0	0.3	29.6	4.6	14.2	296.0	28.6	612.5		
SMDH 00216	21.4	63.7	116.3	24.5	78.8393	19.5949	1.03586	7.6	0.8	4.2	0.3	1.6	0.3	2.0	0.3	33.7	5.0	20.3	421.9	14.3	317.7		
SMDH 00216	28.5	121.1	211.0	43.2	158.838	37.4609	1.15095	11.6	1.5	6.6	0.3	2.2	0.3	2.2	0.3	59.1	5.9	16.7	410.1	14.3	303.2		1.7
SMDH 00216	38.8	165.9	316.4	61.0	215.649	54.52	1.49624	16.5	2.0	9.0	0.3	2.9	0.3	2.4	0.3	66.7	6.6	12.3	260.4	10.0	246.7	0.6	
SMDH 00216	31.9	96.8	178.7	31.6	90.4333	27.7787	1.03586	9.9	1.3	5.6	0.3	2.3	0.3	2.3	0.3	48.2	4.4	16.2	243.8	21.5	765.2		
SMDH 00216	19.6	61.8	134.8	15.0	52.289	9.45167	1.03586	6.4	0.8	4.1	0.7	1.5	0.3	1.3	0.3	23.5	2.9	20.4	400.1	23.0	391.3		
SMDH 00216	23.4	69.5	146.7	16.7	56.8107	10.6043	1.49624	7.0	0.8	4.9	0.8	2.2	0.3	2.4	0.3	24.6	2.4	9.9	387.0	18.6	642.1	0.4	
SMDH 00216	14.4	57.8	118.8	13.6	47.5355	8.76008	1.49624	5.2	0.6	3.0	0.6	1.4	0.3	1.1	0.3	21.7	1.9	12.0	464.5	15.7	755.2		1.6
SMDH 00216	18.1	64.5	135.8	15.5	51.0137	9.45167	1.49624	5.3	0.8	3.7	0.3	1.5	0.3	1.9	0.3	17.3	2.2	10.3	431.2	21.5	512.5		
SMDH 00216	15.3	65.7	134.5	15.6	52.1731	10.1433	1.49624	6.0	0.7	3.4	0.6	1.1	0.3	1.5	0.3	21.0	2.2	8.5	386.3	20.0	767.8		
SMDH 00216	14.4	62.5	132.4	15.5	54.4919	10.3738	1.26605	5.7	0.7	3.2	0.3	1.3	0.3	1.0	0.3	29.5	2.2	13.2	577.1	24.3	884.8	0.3	1.6
SMDH 00216	17.7	74.5	139.2	16.1	54.4919	10.1433	1.49624	6.6	0.8	4.0	0.6	1.5	0.3	1.6	0.3	22.4	2.4	15.8	721.2	30.0	1060.5		
SMDH 00216	19.5	70.8	142.7	15.9	55.6513	10.028	1.26605	6.2	0.7	4.0	0.8	1.5	0.3	1.7	0.3	26.6	2.2	13.6	702.0	21.5	925.0		
SMDH 00216	13.1	48.8	99.7	14.4	63.7671	13.1401	1.15095	4.9	0.3	2.4	0.3	0.9	0.3	1.3	0.3	28.2	2.1	17.7	239.4	20.0	1242.5		1.6
SMDH 00216	20.9	82.2	155.6	27.3	114.781	22.7071	1.61133	8.0	0.9	4.4	0.7	1.6	0.3	1.4	0.3	48.2	3.4	18.0	263.0	22.9	1053.3	0.2	
SMDH 00216b	19.8	68.2	153.3	16.2	59.7092	10.9501	1.38114	6.3	0.8	3.8	0.7	1.5	0.3	1.7	0.3	27.1	2.9	14.3	295.8	16.9	441.0		1.6
SMDH 00216b	13.3	19.8	32.6	7.2	31.3038	6.91585	0.80567	2.7	0.3	2.2	0.3	1.0	0.3	1.3	0.3	8.3	3.2	7.9	111.4	18.6	729.5		1.4
SMDH 00216b	11.9	5.6	9.7	2.6	10.4346	3.68846	0.57548	1.3	0.3	1.4	0.3	0.9	0.3	1.1	0.3	2.3	4.4	7.9	98.5	7.2	634.9		
SMDH 00216b	10.0	36.0	66.0	12.2	52.1731	9.56693	1.38114	3.6	0.3	1.7	0.3	0.8	0.3	0.9	0.3	19.5	2.6	53.5	1025.9	11.4	922.9	0.5	
SMDH 00216b	10.4	32.8	62.8	11.4	45.2167	8.99061	0.80567	3.2	0.3	1.9	0.3	0.8	0.3	0.7	0.3	24.4	2.5	50.6	894.4	11.4	737.9		1.8
SMDH 00216b	10.3	39.0	75.8	12.2	51.0137	9.22114	0.92076	3.1	0.3	1.7	0.3	0.8	0.3	0.8	0.3	29.5	2.1	45.6	805.8	8.6	758.9		
SMDH 00216b	31.4	68.6	142.9	17.5	59.7092	10.028	1.38114	6.5	0.9	4.7	1.0	2.6	0.3	1.6	0.3	27.0	4.4	12.3	58.2	18.5	524.4		1.6
SMDH 00216b	22.9	45.6	86.4	11.0	45.2167	8.0685	1.15095	5.3	0.7	4.5	0.8	1.8	0.3	2.4	0.3	21.0	2.6	31.0	710.1	14.3	1146.7	0.7	1.6
SMDH 00216b	29.1	62.3	122.6	13.7	45.2167	8.0685	1.15095	7.1	0.8	5.0	0.9	2.3	0.3	2.5	0.3	25.0	2.6	41.2	1169.5	18.6	839.5		
SMDH 00216b	22.3	64.8	119.4	14.3	51.0137	8.87535	1.61133	6.6	0.8	4.2	0.8	1.7	0.3	2.3	0.3	26.2	2.7	44.5	1122.8	18.6	1299.5		
SMDH 00216b	29.5	45.4	89.8	11.3	39.4197	8.0685	1.26605	6.6	0.8	5.0	1.0	2.6	0.3	3.3	0.3	18.4	2.0	33.1	772.9	20.0	1190.4		1.5
SMDH 00216b	27.5	53.4	108.5	13.5	45.2167	8.29903	1.61133	6.8	0.9	5.3	0.9	2.9	0.3	1.9	0.3	18.5	1.5	6.7	792.8	21.5	810.1	0.8	
SMDH 00216b	41.1	61.9	124.2	14.5	51.0137	10.1433	1.72643	8.9	1.2	7.8	1.4	4.3	0.6	3.5	0.7	20.8	2.2	7.9	637.0	25.7	1151.4		
SMDH 00216b	29.7	63.8	131.1	15.1	49.8543	10.2585	1.38114	6.5	0.9	4.7	1.0	3.2	0.3	2.6	0.3	24.0	2.7	12.9	715.7	20.0	869.7		1.5
SMDH 00216b	15.8	71.5	145.2	17.5	55.6513	11.5264	1.38114	7.3	0.9	4.0	0.3	1.6	0.3	1.0	0.3	27.1	2.5	6.5	399.0	22.9	985.7		
SMDH 00217	18.1	61.8	134.7	14.7	53.6803	9.22114	1.72643	5.5	0.7	3.6	0.7	1.5	0.3	1.4	0.3	20.4	2.4	22.5	415.1	22.6	616.7		
SMDH 00217	16.5	202.3	373.3	38.7	115.94	16.4828	2.76229	9.9	0.9	3.7	0.6	1.7	0.3	1.0	0.3	31.2	2.2	9.9	490.3	48.6	1146.5		1.4
SMDH 00217	31.4	80.3	179.7	19.5	64.1149	12.4485	1.61133	7.8	1.1	5.6	1.1	2.1	0.3	2.3	0.3	32.0	4.4	3.1	398.8	28.8	653.6		
SMDH 00217	32.3	66.8	134.3	15.3	49.8543	9.45167	1.15095	6.2	0.9	5.2	1.0	3.5	0.3	2.4	0.3	24.2	2.8	9.6	452.9	18.6	556.9		
SMDH 00217	18.5	74.3	153.5	17.2	55.6513	10.3738	1.38114	7.1	0.8	4.0	0.7	1.7	0.3	1.3	0.3	27.6	2.8	9.2	459.5	21.5	836.7	0.7	1.5
SMDH 00217	15.3	84.4	176.9	21.0	64.9265	11.757	1.38114	7.4	0.9	3.7	0.6	1.5	0.3	0.8	0.3	33.2	3.1	6.6	322.2	21.5	926.2		
SMDH 00217	13.6	60.5	120.0	13.0	47.5355	8.87535	1.49624	4.9	0.6	3.2	0.3	1.4	0.3	1.0	0.3	19.8	1.9	8.6	427.5	24.3	885.1		
SMDH 00217	22.2	56.6	111.1	12.5	42.8979	7.14638	1.26605	5.2	0.7	4.2	0.7	2.1	0.3	1.7	0.3	20.3	2.0	6.8	392.5	20.0	699.1		1.5
SMDH 00217	17.1	44.8	93.1	10.3	33.6226	6.4548	1.26605	4.2	0.6	3.2	0.3	1.6	0.3	1.3	0.3	16.9	2.0	7.7	391.3	17.2	554.3	0.4	
SMDH 00217b	21.9	97.8	204.4	22.6	76.5205	12.6791	2.18681	8.0	0.9	4.6	0.8	2.2	0.3	1.7	0.3	37.7	2.9	8.6	413.6	11.4	755.4		
SMDH 00217b	12.9	164.3	322.4	33.0	76.5205	14.1775	2.87738	7.3	0.9	3.1	0.3	1.3	0.3	0.8	0.3	27.4	1.4	5.4	263.9	21.5	528.6		1.6
SMDH 00217b	16.2	58.8	122.2	13.6	46.3761	9.3364	1.95662	5.8	0.7	3.4	0.3	1.5	0.3	1.1	0.3	21.7	1.1	2.0	134.5	7.2	228.5		
SMDH 00217b	12.5	39.8	90.1	10.0	34.3183	6.33953	1.61133	3.9	0.6	2.4	0.3	0.7	0.3	0.3	0.3	23.3	3.3	3.4	160.6	9.4	182.9		
SMDH 00217b	14.7	35.5	69.1	8.0	25.5068	5.87848	2.30191	3.3	0.3	2.5	0.3	1.4	0.3	1.1	0.3	38.5	1.4	3.5	170.1	10.0	489.4		1.2
SMDH 00217b	14.6	88.0	181.3	20.3	68.4047	12.6791	2.5321	7.8	0.8	4.0	0.3	1.1	0.3	0.3	0.3	33.5	1.5	2.5	138.3	7.2	330.8		
SMDH 00217b	28.0	112.6	247.7	28.8	98.5491	19.3644	2.417	12.5	1.4	7.0	1.0	2.4	0.3	1.1	0.3	53.4	5.8	1.7	100.2	22.9	891.8	0.9	1.7
SMDH 00217b	28.6	61.6	131.9	15.0	49.8543	11.2959	1.95662	7.8	1.1	5.7	1.0	2.6	0.3	2.2	0.3	22.8	1.5	1.1	83.9	28.6	1520.7		
SMDH 00218	38.1	105.9	220.8	24.6	83.4769	14.2928	1.49624	9.9	1.3	6.8	1.3	4.0	0.6	3.4	0.6	43.6	3.8	9.3	422.4	15.7	609.7		
SMDH 00218	126.4	91.6	190.2	22.9	82.3175	18.5575	2.07171	15.8	2.7	18.9	4.1	13.4	1.8	12.0	1.6	29.8	3.9	3.9	372.4	21.5	988.1		1.4
SMDH 00218	98.3	81.5	167.8	19.9	70.7235	15.0996	1.26605	12.1	2.0	14.5	3.2	10.6	1.4	10.1	1.5	29.0	4.7	7.7	358.2	24.3	1026.6	1.6	
SMDH 00218	68.1	219.1	399.5	41.0	131.012	21.2086	2.5321	13.3	1.8	11.3	2.2	6.8	1.0	6.8	1.0	45.9	6.8	6.8	351.5	52.9	1032.0		
SMDH 00218	46.5	91.6	184.5	20.5	69.5641	13.2554	1.26605	10.0	1.2	7.6	1.5	4.8	0.6	3.9	0.3	33.0	3.8	5.4	279.2	18.6	727.2		1.4
SMDH 00218	33.0	63.9	138.1	15.1	52.1731	10.1433	0.92076	6.9	0.8	5.8	1.0	3.2	0.3	2.7	0.3	24.0	1.9	3.5	205.2	14.3	501.5		
SMDH 00218	41.9	95.5	205.9	22.3	75.477	13.6012	1.38114	9.4	1.3	7.0	1.5	3.2	0.6	4.3	0.6	39.2	5.1	4.7	378.0	23.7	755.2		
SMDH 00218	18.1	124.7	270.4	27.6	92.7521	17.4049	2.30191	10.1	1.2	5.0	0.3	1.3	0.3	0.7	0.3	53.4	2.5	2.8	140.5	10.0	386.8		1.6
SMDH 00218	20.0	113.2	238.8	26.5	89.2739	15.5607	1.95662	10.0	1.1	4.8	0.7	1.5	0.3	0.7	0.3	46.3	2.4	4.1	205.6	15.7	485.9		
SMDH 00218	43.2	103.5	224.8	24.1	82.3175	15.5607	1.38114	10.7	1.4	7.6	1.3	3.9	0.3	3.5	0.3	42.7	3.3	6.8	337.2	21.5	822.2		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00218	35.4	30.3	70.1	7.9	28.985	6.57006	1.49624	5.4	0.8	6.0	1.1	3.5	0.3	3.0	0.6	9.4	1.8	3.7	177.6	12.9	1407.8	1.9	1.6
SMDH 00218	44.2	95.5	206.1	22.5	73.0423	13.8317	1.03586	9.3	1.3	7.4	1.3	4.3	0.7	4.5	0.6	36.1	3.2	8.3	375.4	17.2	708.9		
SMDH 00218	31.3	62.9	138.0	15.1	52.1731	8.76008	1.49624	6.2	0.9	5.3	1.0	3.3	0.3	2.5	0.3	24.4	1.8	4.7	238.4	14.3	575.3		
SMDH 00218	58.6	122.2	237.9	24.7	85.7957	14.0622	1.61133	9.2	1.4	10.0	1.9	5.5	0.8	5.9	0.9	31.9	3.5	7.1	360.0	42.9	986.0		1.5
SMDH 00218	38.5	50.7	102.7	11.8	44.0573	8.18376	1.15095	6.5	0.9	6.1	1.3	3.4	0.3	3.5	0.3	16.6	2.6	4.5	240.8	25.7	810.1	1.3	
SMDH 00218	49.9	115.1	232.4	26.4	95.0709	15.7912	1.61133	11.5	1.5	8.9	1.7	4.9	0.8	4.9	0.6	41.6	3.4	0.3	361.6	24.3	763.8		
SMDH 00218	76.7	104.1	215.3	25.2	88.1145	15.2149	1.38114	11.3	1.8	11.7	2.7	7.9	1.3	8.3	1.5	38.5	3.2	7.3	367.6	24.3	760.6		1.5
SMDH 00218	61.8	93.4	190.8	20.5	73.0423	13.1401	1.03586	8.6	1.4	9.3	1.9	5.8	0.9	5.9	1.0	31.8	4.5	7.9	388.5	28.6	888.8		
SMDH 00218b	12.8	34.1	70.9	8.4	27.5938	5.64795	1.61133	3.4	0.3	2.2	0.3	0.9	0.3	0.8	0.3	14.2	4.8	6.3	246.3	11.9	362.3		1.7
SMDH 00218b	6.1	17.7	30.7	4.0	15.0722	2.07476	1.38114	1.5	0.3	1.3	0.3	0.6	0.3	0.8	0.3	5.1	0.8	4.1	224.9	11.4	375.4		1.7
SMDH 00218b	6.0	11.0	17.8	1.9	6.95641	1.49844	1.26605	0.9	0.3	0.9	0.3	0.3	0.3	0.6	0.3	2.4	0.6	2.8	159.4	8.6	285.9		
SMDH 00218b	8.5	19.3	33.2	4.0	11.594	2.53581	1.72643	1.6	0.3	1.4	0.3	0.7	0.3	0.8	0.3	3.5	0.7	2.0	126.0	14.3	330.8		
SMDH 00218b	8.7	21.9	39.5	4.9	17.391	3.57319	1.84152	2.2	0.3	1.6	0.3	0.8	0.3	0.7	0.3	4.0	0.9	3.9	222.2	27.2	602.7	1.2	1.7
SMDH 00218b	5.3	15.7	32.1	3.5	12.7534	2.53581	1.49624	1.7	0.3	1.1	0.3	0.3	0.3	0.3	0.3	5.7	0.3	4.4	222.9	8.6	228.5		
SMDH 00218b	9.6	16.9	29.8	3.5	11.594	2.30528	1.38114	1.5	0.3	1.7	0.3	0.9	0.3	1.0	0.3	3.7	0.7	5.2	298.4	15.7	305.8		
SMDH 00218b	11.5	21.4	42.2	4.3	15.0722	2.88161	1.49624	1.9	0.3	1.6	0.3	1.1	0.3	1.1	0.3	6.9	1.2	14.2	740.9	24.3	703.3		1.6
SMDH 00218b	10.5	133.4	249.9	24.4	74.2017	9.45167	2.64719	5.7	0.3	2.3	0.3	0.9	0.3	0.8	0.3	12.8	1.2	8.8	479.3	47.2	626.0	1.0	
SMDH 00219	16.7	64.6	143.1	14.5	52.289	10.028	2.07171	5.8	0.7	3.0	0.7	1.0	0.3	0.3	0.3	28.2	4.6	5.1	341.8	13.6	426.1		
SMDH 00219	13.1	99.1	193.6	19.7	67.2453	10.028	2.99248	6.3	0.7	3.0	0.3	1.1	0.3	0.7	0.3	20.9	0.9	3.7	194.1	20.0	336.4		1.6
SMDH 00219	10.0	54.8	114.0	12.6	41.7385	7.7227	2.07171	4.7	0.3	2.5	0.3	0.9	0.3	0.6	0.3	20.4	0.9	2.1	131.8	14.3	244.6		
SMDH 00219	14.3	214.4	396.9	38.6	119.418	17.2896	3.45286	9.6	1.1	4.0	0.3	1.5	0.3	0.6	0.3	26.8	1.2	2.6	155.1	51.5	291.3	0.9	
SMDH 00219	11.2	72.1	122.8	15.4	49.8543	8.41429	1.84152	4.9	0.3	2.5	0.3	0.9	0.3	0.7	0.3	22.1	1.1	2.2	141.3	18.6	241.5		1.5
SMDH 00219	18.8	206.0	350.3	39.5	119.418	20.7476	3.10757	10.3	1.2	4.5	0.7	1.6	0.3	1.0	0.3	40.7	1.7	2.0	126.7	40.1	270.5		
SMDH 00219	14.2	54.5	99.9	12.7	39.4197	7.03112	1.49624	5.6	0.3	2.5	0.3	1.3	0.3	1.3	0.3	19.3	2.4	2.1	106.0	12.9	185.7		
SMDH 00219	21.8	56.8	101.1	13.1	40.5791	7.7227	1.84152	5.8	0.8	4.4	0.8	2.1	0.3	2.3	0.3	20.3	1.3	2.4	124.4	8.6	176.8	0.9	1.6
SMDH 00219b	22.4	63.9	129.1	14.4	52.1731	8.87535	0.92076	6.2	0.6	3.6	0.7	2.2	0.3	1.7	0.3	27.7	2.4	6.4	345.8	11.4	295.7		
SMDH 00219b	20.8	83.9	150.1	17.9	59.1295	11.6417	1.26605	6.6	0.8	3.9	0.7	1.8	0.3	1.6	0.3	28.0	2.1	6.5	348.1	12.9	376.8		
SMDH 00219b	11.8	85.4	154.1	18.9	56.8107	9.91272	1.72643	7.1	0.7	2.5	0.3	0.8	0.3	0.9	0.3	32.0	2.0	9.3	481.2	28.6	636.5		1.5
SMDH 00219b	14.3	72.9	142.2	16.2	54.4919	10.7196	1.38114	6.0	0.7	3.1	0.3	1.5	0.3	1.0	0.3	27.3	1.5	10.0	425.2	22.9	661.3		
SMDH 00219b	21.7	281.7	507.2	53.3	166.954	24.8971	3.22267	13.2	1.1	5.5	0.7	2.4	0.3	1.5	0.3	59.7	2.2	14.2	569.2	65.8	1295.5		1.5
SMDH 00219b	31.7	184.5	337.5	38.0	122.897	18.6728	3.10757	10.8	1.3	6.1	1.1	3.4	0.3	3.0	0.7	42.2	3.4	21.7	946.4	52.9	1790.9		
SMDH 00219b	93.8	130.1	246.5	27.1	91.5927	14.9844	2.417	10.2	1.5	11.1	3.2	12.7	1.9	14.1	2.6	34.6	3.2	24.1	1015.8	45.8	1501.3	0.8	
SMDH 00219b	214.4	113.3	219.6	25.0	86.9551	15.0996	2.30191	14.1	2.6	23.4	7.0	32.1	4.7	35.5	6.6	26.5	3.4	30.5	1243.8	44.3	1590.5		1.6
SMDH 00219b	87.6	161.7	295.8	33.6	110.143	15.9065	2.87738	11.7	1.5	11.8	2.9	14.3	1.9	15.3	3.0	34.3	1.1	23.6	1045.5	44.3	1827.4		
SMDH 00220	48.3	73.2	144.5	17.3	57.9701	11.1806	1.95662	8.7	1.3	7.3	1.8	6.3	0.9	5.9	1.1	22.0	1.5	11.2	493.4	25.7	2811.3		
SMDH 00220	37.5	14.8	38.3	5.0	20.9852	5.76321	2.76229	5.2	0.9	6.2	1.4	3.0	0.3	3.0	0.3	2.8	2.5	1.6	331.5	13.6	1531.2		
SMDH 00220	36.9	13.3	33.3	4.4	18.7823	5.53268	1.72643	5.0	0.8	5.8	1.4	2.9	0.3	2.8	0.3	2.5	2.7	2.5	402.3	11.7	1493.8		
SMDH 00220b	40.0	119.9	238.6	26.4	86.9551	14.5233	1.49624	9.3	1.3	6.6	1.5	4.8	0.6	4.4	0.6	46.1	2.7	15.1	689.9	18.6	1585.1		
SMDH 00220b	23.2	80.2	156.6	17.9	59.1295	10.028	1.15095	6.3	0.7	4.2	0.9	2.5	0.3	2.6	0.3	30.5	2.1	10.8	506.4	21.5	1067.7		1.3
SMDH 00220b	36.5	97.2	192.8	22.8	78.8393	14.1775	1.49624	8.5	1.2	6.5	1.1	4.3	0.3	3.3	0.3	39.1	3.7	11.6	517.4	25.7	1034.6	1.7	
SMDH 00220b	26.4	99.3	205.1	22.8	73.0423	13.3707	1.61133	8.8	1.2	5.3	0.9	2.5	0.3	1.8	0.3	39.3	3.4	12.5	520.7	24.3	1008.4		
SMDH 00220b	52.2	91.8	190.2	21.3	71.8829	13.8317	1.61133	9.7	1.3	7.8	1.8	6.3	0.8	5.7	0.6	36.1	3.4	10.4	472.4	24.3	1116.1		1.3
SMDH 00220b	47.8	108.0	221.9	25.6	85.7957	16.0217	1.95662	10.2	1.6	8.6	1.8	5.4	0.6	4.7	0.3	45.7	4.1	15.6	686.3	30.0	993.7		
SMDH 00220b	37.4	88.6	180.9	20.3	73.0423	11.0654	1.38114	8.4	0.8	6.0	1.3	4.5	0.6	4.4	0.6	34.5	2.1	10.8	522.6	24.3	1110.5	0.8	
SMDH 00220b	35.6	98.6	201.3	22.3	74.2017	14.1775	1.72643	8.9	1.1	6.3	1.0	4.1	0.3	3.6	0.3	39.0	2.2	10.3	490.2	21.5	1017.8		1.6
SMDH 00220b	36.1	106.1	204.8	22.3	75.3611	12.5638	2.07171	8.4	1.2	6.9	1.3	3.9	0.6	4.4	0.6	37.0	2.2	9.1	437.0	65.8	1166.1		
SMDH 00221	30.5	134.6	263.8	29.9	106.665	15.9065	1.61133	11.0	1.2	6.8	1.3	3.2	0.3	3.2	0.3	57.2	3.1	16.7	809.4	15.7	662.9		
SMDH 00221	37.6	143.3	285.4	33.4	124.056	20.2865	2.07171	12.5	1.5	7.6	1.4	4.3	0.6	3.9	0.3	61.2	3.7	21.9	998.2	22.9	1124.7	1.7	1.6
SMDH 00221	24.0	50.7	96.0	10.7	39.4197	7.26165	2.30191	5.8	0.8	5.2	0.8	2.1	0.3	2.6	0.3	10.2	1.1	22.6	1097.5	52.9	2196.9		
SMDH 00221	18.2	81.4	147.3	14.9	52.1731	7.7227	2.87738	5.3	0.7	3.9	0.6	1.5	0.3	1.6	0.3	14.1	0.7	15.2	732.0	60.1	2872.9		
SMDH 00221	21.3	53.6	87.9	10.0	34.782	5.41742	2.5321	4.8	0.8	4.7	0.7	1.8	0.3	1.6	0.3	6.4	0.6	20.5	950.8	58.7	2501.3		1.5
SMDH 00221	32.6	45.6	95.1	10.2	40.5791	8.76008	2.76229	7.8	1.2	7.6	1.0	2.5	0.3	2.2	0.3	2.3	0.7	20.5	1075.8	77.2	2731.1	1.3	
SMDH 00221	50.7	44.7	88.3	10.0	40.5791	8.64482	2.5321	6.6	1.2	8.0	1.6	5.9	0.8	6.0	0.7	6.7	1.3	18.4	902.7	55.8	2257.2		
SMDH 00221	34.6	104.5	204.2	23.3	75.3611	14.9844	2.18681	9.7	1.3	7.0	1.0	3.1	0.3	1.8	0.3	28.4	1.4	15.3	667.8	34.3	1236.2		1.4
SMDH 00221	30.2	87.0	176.3	20.3	69.5641	13.7164	1.84152	8.4	1.2	6.8	1.0	2.7	0.3	2.0	0.3	25.7	1.7	11.7	515.3	27.2	1372.8		
SMDH 00017	19.6	75.8	145.5	16.3	52.1731	9.6822	2.64719	5.6	0.7	3.3	0.3	1.8	0.3	1.4	0.3	19.5	0.9	2.2	129.1	14.3	499.4	0.8	
SMDH 00017	6.3	28.5	52.6	5.9	19.7098	3.34266	1.95662	1.8	0.3	1.1	0.3	0.6	0.3	0.3	0.3	8.1	0.3	2.2	131.3	12.9	562.5		1.5
SMDH 00017	6.0	49.1	94.6	10.1	34.782	6.57006	2.18681	3.0	0.3	1.5	0.3	0.7	0.3	0.3	0.3	18.5	0.3	1.5	84.6	10.0	292.9		
SMDH 00017	8.0	59.8	116.5	13.3	44.0573	7.49218	1.84152	3.9	0.3	1.9	0.3	0.7	0.3	0.3	0.3	22.7	0.9	3.5	158.4	11.4	465.3		
SMDH 00017	22.6	91.2	179.4	20.2	68.4047	11.6417	2.417	6.5	0.7	4.4	0.7	2.3	0.3	2.4	0.3	33.5	1.5	7.5	354.0	15.7	720.6	1.2	1.6
SMDH 00017	12.7	76.6	151.1	17.4	55.6513	9.22114	1.49624	6.0	0.6	3.0	0.3	1.3	0.3	0.7	0.3	30.7	1.3	8.8	376.9	17.2	871.8		
SMDH 00017	42.5	85.7	172.3	19.8	66.0859	11.8722	1.84152	8.0	1.1	7.1	1.4	4.9	0.6	4.1	0.7	34.3	2.1	8.4	346.6	22.9	861.2		
SMDH 00017	40.0	75.7	152.4	18.0	59.1295	12.218	1.84152	8.1	1.1	6.5	1.1	3.9	0.6	3.8	0.6	29.8	2.0	10.1	429.4	42.9	1051.6		1.5
SMDH 00017	28.8	70.3	139.8	17.1	56.8107	10.9501	1.49624	7.8	0.9	6.1	0.9	2.5	0.3	2.7	0.3	27.3	1.9	7.8	374.7	22.9	859.1	0.8	
SMDH 00017	41.7	132.3	251.9	27.9	88.1145	15.4454	2.417	10.7	1.4	7.2	1.4	4.5	0.6	3.8	0.6	30.0	1.9	8.7	385.7	38.6	1179.2		
SMDH 00016b	32.2	66.2	145.1	15.9	53.3325	10.489	1.38114	7.7	0.9	5.8	1.0	3.3	0.3	2.7	0.3	27.0	1.8	7.2	338.2	17.2	848.9		1.7
SMDH 00016b	18.8	64.4	118.7	14.9	48.6949	9.6822	1.72643	6.1	0.7	3.7	0.6	1.5	0.3	1.3	0.3	22.4	1.1	6.1	307.8	14.3	1043.2		
SMDH 00016b	9.1	99.3	197.9	22.0	71.8829	11.8722	1.72643	6.9	0.3	2.4	0.3	0.9	0.3	0.3	0.3	40.9	1.2	5.2	243.5	14.3	746.3	1.2	
SMDH 00016b	8.7	100.5	202.6	22.5	75.3611	12.1027	2.18681	7.2	0.6	2.1	0.3	0.9	0.3	0.3	0.3	40.0	1.4	5.9	282.2	15.7	694.7		
SMDH 00016b	8.4	68.8	133.5	15.7	51.0137	8.18376	2.417	4.5	0.3	1.7	0.3	0.7	0.3	0.6	0.3	25.7	0.7	1.7	103.5	12.9	402.9		
SMDH 00016b	25.0	85.8	175.1	19.8	66.0859	11.8722	1.95662	7.8	1.1	4.4	0.8	2.6	0.3	1.7	0.3	32.4	1.9	8.3	362.6	24.3	890.0	1.0	1.5

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00016b	25.2	115.9	237.6	28.0	93.9115	16.0217	1.72643	10.2	1.1	5.2	0.8	2.7	0.3	2.0	0.3	48.8	2.6	10.5	421.6	20.0	1120.3		
SMDH 00016b	26.7	122.5	249.9	29.2	96.2303	16.9438	1.84152	11.0	1.1	5.5	0.9	3.0	0.3	2.5	0.3	50.8	2.9	14.0	588.4	21.5	910.5		
SMDH 00016b	23.1	107.5	219.0	25.0	86.9551	14.7538	1.38114	9.1	0.9	4.9	0.8	2.5	0.3	1.9	0.3	45.4	2.6	10.5	462.0	21.5	918.9		1.4
SMDH 00016b	36.1	44.0	92.1	11.2	35.9414	6.91585	1.38114	6.2	0.9	6.2	1.1	3.7	0.3	2.7	0.3	12.5	1.2	7.9	358.4	27.2	787.2	0.8	
SMDH 00016b	36.2	53.8	107.9	13.5	48.6949	8.52955	1.72643	7.4	0.9	6.5	1.3	4.1	0.6	3.1	0.3	17.4	1.2	8.4	340.3	28.6	955.9		
SMDH 00016b	25.2	60.1	124.3	15.5	52.1731	10.489	1.72643	6.3	0.8	4.7	0.9	2.7	0.3	1.9	0.3	23.6	1.4	6.6	282.7	17.2	859.1		1.5
SMDH 00016b	22.2	64.8	131.4	15.6	53.3325	9.6822	1.38114	6.2	0.7	4.2	0.7	2.5	0.3	1.9	0.3	26.9	1.5	8.8	341.3	21.5	786.5		
SMDH 00016	15.3	114.1	229.3	22.3	75.3611	11.5264	1.26605	7.1	0.7	3.2	0.3	1.5	0.3	1.3	0.3	30.3	2.1	5.4	231.8	32.9	413.0	0.4	
SMDH 00016	26.1	147.8	281.3	29.1	86.9551	13.8317	2.64719	7.9	0.9	5.3	0.9	2.9	0.3	2.4	0.3	22.9	3.2	8.5	331.8	45.8	560.1		1.6
SMDH 00016	25.5	46.2	77.7	10.3	33.6226	7.26165	1.38114	4.9	0.7	3.7	0.7	2.3	0.3	1.5	0.3	14.0	3.1	10.3	378.1	27.2	788.8		
SMDH 00016	18.5	42.4	85.1	9.8	32.4632	6.91585	0.92076	4.5	0.7	3.2	0.6	1.8	0.3	1.5	0.3	14.6	4.4	8.6	330.4	30.0	551.5		
SMDH 00016	87.6	74.8	150.8	17.2	56.8107	10.1433	1.38114	7.4	1.5	12.1	3.0	7.3	1.5	12.0	1.0	25.1	3.9	16.4	632.7	35.8	1134.5	0.9	1.4
SMDH 00016	83.6	180.5	349.7	37.8	133.331	19.2491	2.99248	11.7	1.8	13.4	2.9	7.5	1.5	12.8	1.2	43.6	1.5	23.7	946.6	47.2	2038.3		
SMDH 00016	98.7	109.2	215.8	24.0	82.3175	12.6791	2.30191	9.4	1.8	14.8	3.4	9.4	1.8	14.9	1.5	26.3	1.4	20.9	859.2	40.1	1560.1		
SMDH 00016	65.1	131.7	251.1	27.1	90.4333	13.8317	2.64719	9.2	1.5	9.5	2.2	5.5	1.0	7.7	0.9	24.4	1.3	24.1	1000.5	67.2	1797.0		1.7
SMDH 00016	101.0	81.4	161.3	16.8	60.2889	9.10587	2.30191	8.1	1.6	14.2	3.4	8.3	1.6	13.3	1.2	17.1	1.4	21.3	877.3	37.2	1395.0	0.6	
SMDH 00015b	44.2	157.3	289.4	31.1	103.187	16.2523	2.5321	9.4	1.3	7.7	1.5	3.7	0.7	5.1	0.3	33.0	2.1	10.6	442.7	47.2	1092.5		
SMDH 00015b	21.0	85.2	201.5	21.1	73.0423	11.757	1.26605	7.1	0.9	4.4	0.7	1.6	0.3	2.6	0.3	47.0	2.0	5.7	238.6	21.5	641.7		1.6
SMDH 00015b	29.9	79.3	163.8	18.1	67.2453	11.6417	1.72643	6.3	0.8	5.0	1.0	2.3	0.3	3.4	0.3	31.2	1.9	7.9	337.3	27.2	671.1		
SMDH 00015b	11.4	63.8	129.0	15.5	49.8543	8.0685	1.61133	5.3	0.3	2.1	0.3	1.1	0.3	1.1	0.3	26.1	1.2	8.5	376.2	24.3	1053.3	1.4	
SMDH 00015b	11.8	73.6	156.4	19.1	61.4483	10.489	2.07171	7.3	0.8	2.9	0.3	1.1	0.3	0.6	0.3	31.7	1.8	6.8	306.9	18.6	1229.4		1.7
SMDH 00015b	32.7	66.4	140.2	17.2	59.1295	11.0654	1.49624	7.3	0.9	5.5	1.0	3.5	0.3	3.1	0.3	30.0	2.5	7.1	300.7	21.5	793.0		
SMDH 00015b	51.3	91.6	192.2	22.8	78.8393	16.4828	1.49624	11.0	1.5	9.2	1.7	5.7	0.7	4.9	0.7	42.0	4.1	11.2	450.9	35.8	857.5		
SMDH 00015b	60.3	83.3	173.3	20.9	70.7235	14.2928	1.61133	9.7	1.4	9.5	2.1	7.1	0.9	5.8	0.8	38.0	3.3	9.1	394.2	31.5	753.3	0.4	1.4
SMDH 00015b	49.7	75.1	157.4	19.0	63.7671	12.5638	1.26605	8.8	1.2	8.5	1.7	6.0	0.8	5.0	0.8	34.1	2.2	9.1	399.7	24.3	513.0		
SMDH 00015b	45.4	83.1	175.2	21.5	75.3611	14.6386	1.49624	9.5	1.3	8.8	1.7	5.5	0.8	4.5	0.6	40.3	2.5	9.8	371.1	22.9	788.1		
SMDH 00015b	34.9	73.2	147.4	17.3	56.8107	10.6043	1.38114	6.9	0.9	6.5	1.3	4.1	0.6	4.2	0.6	26.1	2.1	8.0	335.4	21.5	1048.4		1.6
SMDH 00015b	37.6	101.2	214.4	25.0	84.6363	16.3675	2.18681	9.4	1.3	6.3	1.4	3.9	0.6	3.9	0.3	37.5	2.1	4.8	279.6	24.3	993.5	0.6	
SMDH 00015b	15.2	80.7	171.1	20.5	67.2453	11.5264	1.72643	6.8	0.7	3.1	0.6	1.6	0.3	1.0	0.3	34.5	1.8	9.6	483.0	22.9	802.1		
SMDH 00015b	6.6	66.8	138.0	16.2	54.4919	7.60744	1.72643	4.9	0.3	1.8	0.3	0.8	0.3	0.3	0.3	24.6	0.9	10.4	522.2	21.5	505.3		1.5
SMDH 00015b	6.0	49.3	106.0	11.3	41.7385	5.53268	1.38114	3.4	0.3	1.1	0.3	0.6	0.3	0.3	0.3	20.0	0.9	12.1	614.5	18.6	767.8		
SMDH 00015	26.2	74.7	167.0	19.0	63.3033	11.2959	1.26605	7.4	0.8	4.4	0.9	1.9	0.3	2.0	0.3	32.0	4.0	4.8	594.6	10.7	355.5		
SMDH 00015	46.9	207.9	387.6	42.9	128.694	20.6323	3.22267	12.3	1.4	8.8	1.7	5.2	0.8	5.3	0.9	36.9	3.2	5.5	282.5	50.1	377.7		1.5
SMDH 00015	42.7	117.4	227.1	25.5	79.9987	14.0622	2.417	9.4	1.3	7.0	1.6	5.2	0.8	5.1	0.9	29.6	2.6	5.8	323.0	28.6	399.9		
SMDH 00015	22.7	64.7	134.6	15.7	54.4919	10.9501	2.64719	6.8	0.8	4.6	0.7	2.3	0.3	2.2	0.3	26.7	1.9	4.2	251.7	14.3	100.7		
SMDH 00015	66.3	82.6	174.5	19.8	63.7671	13.4859	1.03586	10.8	1.6	11.1	2.1	5.6	0.8	4.9	0.8	31.5	4.2	8.1	351.5	28.6	1076.8	1.3	1.5
SMDH 00015	30.3	59.8	122.9	14.4	47.5355	9.10587	0.92076	6.8	0.8	5.3	1.0	3.3	0.3	2.4	0.3	24.2	2.9	6.3	241.0	24.3	848.6		
SMDH 00015	41.8	81.3	169.7	19.5	63.7671	12.4485	1.15095	8.5	1.3	7.3	1.4	4.1	0.6	3.8	0.7	33.2	3.2	8.6	344.5	22.9	880.6		1.5
SMDH 00015	19.5	34.6	71.5	8.4	27.8256	6.109	0.28774	4.0	0.3	3.2	0.7	1.7	0.3	1.4	0.3	13.9	1.2	4.4	195.2	10.0	706.4	1.1	
SMDH 00015	17.7	27.0	53.8	6.1	22.0286	4.61057	0.28774	3.0	0.3	2.9	0.6	2.2	0.3	1.4	0.3	9.0	1.1	4.1	201.3	10.0	350.9		
SMDH 00015	46.1	61.7	118.8	13.5	42.8979	8.64482	1.15095	6.0	0.9	6.4	1.5	4.2	0.6	3.2	0.3	20.0	2.5	6.8	303.0	21.5	277.3		1.6
SMDH 00015	42.5	64.4	127.3	14.7	47.5355	9.56693	1.61133	6.9	1.1	6.8	1.4	3.5	0.3	2.6	0.3	24.5	3.9	7.1	317.8	24.3	520.0		
SMDH 00015	34.6	64.6	126.6	14.5	48.6949	9.56693	1.26605	6.4	0.9	5.8	1.3	3.2	0.3	2.7	0.3	25.6	3.4	8.6	357.8	21.5	272.4	0.6	
SMDH 00015	57.9	70.6	143.1	16.3	54.4919	11.9875	1.26605	8.2	1.3	9.2	1.8	5.8	0.9	5.8	0.9	30.2	3.8	5.8	290.3	20.0	743.3		1.7
SMDH 00014b	28.1	103.0	219.9	25.7	86.9551	16.2523	1.15095	10.1	1.1	6.5	0.9	2.6	0.3	2.3	0.3	54.1	3.3	10.4	344.7	15.7	667.1		
SMDH 00014b	19.9	89.8	168.2	19.5	63.7671	13.3707	2.30191	7.1	0.9	4.5	0.7	1.7	0.3	1.5	0.3	30.8	2.7	7.0	302.6	32.9	2720.2		
SMDH 00014b	13.7	78.0	153.5	17.5	60.2889	11.6417	2.18681	6.3	0.7	3.1	0.6	1.1	0.3	0.7	0.3	32.0	2.1	3.7	165.7	10.0	667.1	0.9	1.6
SMDH 00014b	8.1	44.2	85.8	10.3	33.6226	5.18689	1.38114	3.7	0.3	2.1	0.3	0.7	0.3	0.3	0.3	16.4	1.2	1.5	82.3	5.7	1172.4		
SMDH 00014b	12.3	85.1	164.8	21.0	68.4047	11.757	1.49624	7.9	0.7	2.6	0.3	0.9	0.3	0.6	0.3	35.2	1.9	3.2	126.7	7.2	1444.8		
SMDH 00014b	14.8	109.7	221.4	27.0	90.4333	17.866	1.84152	9.9	1.1	4.0	0.7	1.3	0.3	0.3	0.3	52.2	2.7	6.4	234.6	8.6	395.0		1.6
SMDH 00014b	25.3	215.0	446.2	54.4	178.548	31.3519	2.76229	19.8	2.1	8.4	1.0	2.3	0.3	0.9	0.3	102.0	4.1	6.6	258.7	17.2	15883.7	0.8	
SMDH 00014b	28.4	186.3	390.0	46.6	154.2	29.6229	2.76229	18.1	2.0	7.6	0.9	1.9	0.3	1.3	0.3	88.8	4.5	9.8	387.4	12.9	343.4		
SMDH 00014b	17.5	114.3	239.5	27.6	92.7521	16.8286	2.18681	10.2	1.1	4.8	0.7	1.6	0.3	0.9	0.3	49.4	2.4	4.1	170.1	10.0	552.0		1.6
SMDH 00014b	14.3	102.9	210.5	24.6	79.9987	14.0622	2.64719	9.1	0.8	4.0	0.3	1.1	0.3	0.7	0.3	40.5	2.4	4.1	171.7	8.6	343.4		
SMDH 00014b	15.6	106.1	219.0	25.5	85.7957	14.7538	2.18681	9.2	0.9	4.0	0.6	1.5	0.3	0.9	0.3	44.4	3.1	4.1	153.6	8.6	7.5	0.6	
SMDH 00014	26.9	92.8	185.1	21.7	73.0423	14.1775	1.84152	7.8	0.8	5.0	0.9	3.4	0.3	2.8	0.3	31.6	2.8	11.0	443.6	40.1	442.0	1.6	
SMDH 00014	12.2	66.3	134.8	16.0	52.7528	9.45167	1.38114	6.1	0.7	2.6	0.3	1.1	0.3	0.8	0.3	25.4	2.6	6.4	360.8	25.2	736.7		1.5
SMDH 00014	26.5	455.3	765.3	78.7	229.562	33.6572	6.67553	16.2	1.4	6.4	1.0	3.0	0.3	2.2	0.3	29.4	1.5	7.3	308.4	42.9	1133.1		
SMDH 00014	9.5	52.8	107.3	13.0	44.0573	7.26165	1.03586	5.0	0.3	2.4	0.3	1.0	0.3	1.0	0.3	19.1	2.0	13.7	534.4	24.3	615.7		
SMDH 00014	12.3	71.4	143.8	15.6	54.4919	10.028	1.61133	6.3	0.7	3.2	0.3	1.4	0.3	0.8	0.3	25.0	2.0	11.6	459.1	32.9	1192.2	1.2	1.4
SMDH 00014	19.4	90.1	186.1	22.0	71.8829	14.8691	1.72643	8.6	0.9	4.6	0.7	2.1	0.3	1.1	0.3	34.8	2.7	12.4	489.1	28.6	1338.7		
SMDH 00014	25.0	74.9	150.9	17.5	60.2889	11.4112	1.84152	7.1	0.9	4.8	0.9	3.0	0.3	2.2	0.3	27.4	2.1	11.0	498.4	27.2	868.5		
SMDH 00014	34.7	76.6	156.8	17.5	56.8107	10.1433	1.84152	7.6	0.9	5.6	1.1	4.2	0.6	3.6	0.3	23.4	1.8	9.2	434.8	75.8	752.9		1.4
SMDH 00014	43.7	83.3	165.1	19.5	62.6077	11.2959	2.07171	9.2	1.1	6.8	1.4	5.6	0.7	5.0	0.7	27.0	2.6	11.3	521.5	42.9	2268.9	0.5	
SMDH 00013b	27.2	98.4	210.4	23.9	81.1581	14.5233	1.72643	10.1	1.1	5.8	0.9	2.7	0.3	2.0	0.3	39.4	3.1	11.6	491.2	25.7	619.2		
SMDH 00013b	19.9	96.4	197.3	22.8	78.8393	14.5233	1.72643	8.4	1.1	4.1	0.7	2.1	0.3	1.5	0.3	35.5	3.7	12.1	582.1	12.9	1269.3		1.3
SMDH 00013b	18.6	53.9	103.4	12.0	41.7385	7.37691	0.92076	4.5	0.6	3.8	0.6	1.9	0.3	1.5	0.3	19.2	1.9	8.0	334.2	15.7	1122.9	1.9	
SMDH 00013b	14.2	39.8	82.2	9.4	28.985	5.53268	1.03586	3.8	0.3	2.5	0.3	1.5	0.3	1.4	0.3	13.9	1.4	9.4	415.4	18.6	609.0		1.6
SMDH 00013b	13.3	111.4	198.0	19.8	61.4483	8.0685	2.5321	4.9	0.3	2.4	0.3	1.5	0.3	1.0	0.3	13.6	1.4	17.6	773.5	57.2	1289.9		
SMDH 00013b	16.7	28.5	57.2	6.4	22.0286	4.49531	1.61133	3.2	0.3	2.7	0.6	1.7	0.3	1.5	0.3	8.2	1.1	11.4	507.2	32.9	1012.6		
SMDH 00013b	28.4	47.5	103.1	11.0	40.5791	7.83797	1.72643	5.8	0.8	5.5	1.0	3.0	0.3	1.8	0.3	19.0	1.5	8.4	390.1	73.0	989.3	1.2	1.7

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00013b	14.3	21.9	42.8	5.2	16.2316	3.68846	1.84152	2.9	0.3	2.1	0.3	1.5	0.3	1.3	0.3	6.1	1.1	13.0	645.1	32.9	362.3		
SMDH 00013b	50.7	43.6	87.7	9.8	34.782	7.95323	2.07171	6.5	1.1	7.3	1.7	6.2	1.0	6.3	0.8	11.8	1.7	9.7	475.3	48.6	1112.6		
SMDH 00013b	51.3	40.9	84.4	9.2	33.6226	7.14638	1.72643	5.6	1.1	7.4	1.6	6.0	0.9	5.7	0.8	11.1	1.9	4.4	222.9	38.6	1161.4		1.7
SMDH 00013b	52.3	62.3	123.5	13.5	53.3325	10.2585	2.07171	8.9	1.3	8.6	1.7	5.8	0.9	5.1	0.7	18.3	2.0	4.5	234.2	35.8	809.4	0.7	
SMDH 00034	14.8	124.2	250.6	26.9	96.2303	14.7538	2.64719	9.1	0.8	3.8	0.3	1.3	0.3	0.9	0.3	50.9	1.5	3.9	189.0	14.3	868.5		
SMDH 00034	20.8	323.1	587.4	60.4	191.301	27.5482	5.29438	13.4	1.4	6.5	0.8	2.2	0.3	1.0	0.3	60.1	1.3	2.2	127.7	61.5	14502.2		1.7
SMDH 00034	19.4	124.2	240.7	27.3	90.4333	13.4859	1.95662	7.8	0.8	3.9	0.6	1.8	0.3	1.5	0.3	44.5	1.4	7.2	355.4	17.2	439.4		
SMDH 00034	13.4	107.7	211.1	24.3	81.1581	12.3333	1.49624	7.3	0.6	3.0	0.3	1.1	0.3	0.7	0.3	40.0	1.7	11.6	549.9	18.6	1246.2	1.0	
SMDH 00034	40.3	94.8	189.7	22.7	77.6799	14.1775	1.61133	8.7	1.1	6.2	1.4	5.1	0.8	5.1	0.7	34.2	1.8	11.7	524.8	24.3	1361.8		1.5
SMDH 00034	16.3	146.1	278.0	30.5	105.506	16.0217	2.18681	8.9	0.8	3.4	0.6	1.7	0.3	1.1	0.3	50.1	1.5	7.2	341.1	22.9	9293.8		
SMDH 00034	10.8	102.9	202.2	22.2	75.3611	13.1401	2.07171	7.1	0.7	2.9	0.3	0.8	0.3	0.6	0.3	40.2	1.3	5.1	261.1	14.3	979.0		
SMDH 00034	10.1	115.4	230.2	26.8	89.2739	13.7164	2.417	7.2	0.7	2.9	0.3	1.0	0.3	0.6	0.3	45.4	1.1	5.7	264.5	14.3	1338.7	0.9	1.6
SMDH 00033b	37.4	138.7	290.6	33.9	114.781	20.4018	1.49624	13.6	1.5	7.8	1.3	3.8	0.3	3.3	0.3	61.6	3.9	13.2	651.5	27.2	1498.5		
SMDH 00033b	9.9	50.2	102.3	11.4	38.2603	6.33953	1.61133	3.7	0.3	1.8	0.3	0.9	0.3	1.1	0.3	19.4	1.8	4.7	543.6	12.3	570.9		
SMDH 00033b	6.1	39.8	77.1	8.0	26.6662	3.91898	2.30191	2.5	0.3	1.4	0.3	0.6	0.3	0.3	0.3	14.4	0.3	7.7	363.4	17.2	1020.3		1.6
SMDH 00033b	4.8	29.7	57.6	7.0	20.8692	3.57319	1.61133	2.1	0.3	1.0	0.3	0.3	0.3	0.3	0.3	10.6	0.3	7.1	370.7	11.4	830.4	1.1	
SMDH 00033b	4.9	37.7	72.9	7.8	26.6662	4.14951	2.07171	2.4	0.3	1.0	0.3	0.3	0.3	0.3	0.3	13.1	0.6	6.6	312.4	17.2	844.0		
SMDH 00033b	4.1	33.3	60.3	7.0	24.3474	3.11213	1.49624	2.4	0.3	1.0	0.3	0.3	0.3	0.3	0.3	10.0	0.6	6.4	299.1	24.3	37.4		1.5
SMDH 00033b	28.0	87.5	182.5	20.9	69.5641	12.1027	2.18681	8.4	1.1	5.3	1.0	3.4	0.3	2.3	0.3	36.2	2.8	8.3	344.5	27.2	1074.5		
SMDH 00033b	34.6	92.5	187.6	20.9	75.3611	13.4859	1.84152	7.9	0.9	6.0	1.1	4.2	0.6	3.1	0.3	38.0	3.1	11.3	435.5	25.7	1.2	1.0	
SMDH 00033b	42.1	78.5	159.6	18.7	62.6077	12.3333	1.72643	8.0	1.2	7.2	1.5	5.1	0.6	4.1	0.3	32.5	3.1	10.5	457.2	31.5	1104.9		1.5
SMDH 00033b	35.0	89.0	183.1	21.1	71.8829	13.0249	1.61133	9.1	1.2	6.4	1.3	4.0	0.3	2.7	0.3	37.8	3.4	10.1	466.3	28.6	203.5		
SMDH 00033b	34.5	88.2	205.4	21.3	77.6799	13.2554	1.61133	8.1	1.2	6.2	1.0	2.6	0.3	2.8	0.3	41.5	3.7	13.3	499.0	30.0	1030.8		
SMDH 00033b	32.7	81.3	182.0	19.2	70.7235	11.2959	1.61133	7.3	1.1	6.1	1.0	2.7	0.3	3.5	0.3	37.2	2.8	9.9	404.2	30.0	975.2	0.6	1.5
SMDH 00033b	56.3	124.2	276.6	27.6	95.0709	15.0996	2.417	10.7	1.5	9.5	1.7	4.5	0.8	6.5	0.7	46.9	4.2	18.0	659.6	41.5	400.1		
SMDH 00033	33.8	142.8	317.8	34.3	127.534	21.3239	1.61133	12.5	1.5	7.3	0.9	2.4	0.3	3.1	0.3	64.4	2.6	14.6	552.6	17.2	324.2		
SMDH 00033	52.7	296.3	587.8	55.6	179.707	25.1276	4.71891	14.4	2.0	10.8	1.7	4.2	0.7	5.1	0.3	41.2	2.7	13.2	486.0	94.4	1255.5		1.4
SMDH 00033	48.4	218.0	431.5	39.4	127.534	17.4049	3.45286	11.1	1.5	9.6	1.6	3.8	0.6	4.8	0.3	25.4	2.1	9.3	369.3	85.8	1074.5	1.2	
SMDH 00033	58.8	69.7	157.4	16.1	57.9701	11.4112	1.95662	8.8	1.6	10.5	1.7	4.5	0.7	6.1	0.6	19.4	1.9	9.2	352.7	41.5	1173.8		
SMDH 00033	50.6	66.8	138.0	16.7	56.8107	11.0654	1.49624	9.5	1.5	9.3	1.6	5.0	0.6	4.0	0.6	23.1	2.5	8.8	357.0	27.2	1255.5		1.5
SMDH 00033	28.6	98.7	190.4	21.6	71.8829	11.9875	2.417	7.6	1.1	5.4	1.0	2.7	0.3	2.7	0.3	27.8	1.4	5.7	236.8	24.3	1065.9		
SMDH 00033	12.9	90.4	181.6	21.1	70.7235	11.0654	2.64719	6.3	0.6	2.6	0.3	1.3	0.3	0.8	0.3	37.0	0.7	1.5	87.0	8.6	417.7	0.7	
SMDH 00033	18.8	73.2	139.7	16.7	52.1731	9.22114	2.07171	6.1	0.6	3.6	0.7	1.8	0.3	1.4	0.3	26.2	0.9	4.6	198.2	20.0	417.7		1.8
SMDH 00033	21.7	59.3	119.1	13.9	46.3761	9.10587	1.95662	5.7	0.7	4.0	0.8	2.2	0.3	1.6	0.3	21.3	0.9	5.4	252.5	20.0	1203.0		
SMDH 00033	12.5	62.4	126.3	14.3	48.6949	9.10587	1.95662	4.9	0.3	2.4	0.3	1.1	0.3	0.8	0.3	26.2	0.6	2.1	108.7	11.4	700.8		
SMDH 00032b	21.7	96.4	198.7	22.8	77.6799	14.408	0.57548	8.5	1.1	4.6	0.7	2.3	0.3	1.7	0.3	42.0	3.1	13.7	599.8	12.9	659.9		
SMDH 00032b	21.3	105.0	231.6	25.3	85.7957	14.2928	0.80567	10.9	1.3	4.4	0.8	2.1	0.3	1.5	0.3	46.9	2.9	8.8	373.2	11.4	589.8		
SMDH 00032b	46.8	54.4	104.5	12.6	44.0573	8.64482	1.49624	7.7	1.3	7.3	1.4	3.9	0.6	3.3	0.3	18.3	1.7	6.5	302.8	22.9	1165.1		1.6
SMDH 00032b	34.9	54.6	116.8	13.2	44.0573	8.0685	1.15095	6.9	1.2	5.7	1.1	3.4	0.3	3.4	0.3	21.6	1.2	7.1	278.8	4.3	617.4	0.8	
SMDH 00032b	16.7	52.2	110.6	12.6	41.7385	8.0685	1.15095	5.7	1.2	3.4	1.1	1.1	0.3	1.1	0.3	19.3	1.2	7.1	267.7	10.0	897.5		
SMDH 00032b	15.1	42.7	89.4	10.2	33.6226	5.76321	1.15095	4.6	0.3	3.4	0.3	1.1	0.3	1.1	0.3	17.0	1.2	8.3	316.4	4.3	681.8		1.6
SMDH 00032b	13.2	61.5	128.3	15.0	51.0137	9.22114	1.15095	5.7	1.2	3.4	0.3	1.1	0.3	1.1	0.3	26.1	1.2	4.7	223.7	5.7	790.7		
SMDH 00032b	5.7	28.6	55.8	6.5	22.0286	3.45793	2.30191	2.3	0.3	1.1	0.3	0.3	0.3	0.3	0.3	9.1	0.3	4.7	227.5	2.9	444.3	0.3	
SMDH 00032	9.9	51.9	94.6	11.9	38.2603	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	1.2	4.7	203.6	11.4	426.5		1.5
SMDH 00032	8.6	54.9	129.0	15.3	42.8979	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	21.6	1.2	3.5	148.5	4.3	352.0		
SMDH 00032	9.4	59.2	121.8	13.9	46.3761	8.0685	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	22.7	1.2	3.5	114.0	0.7	273.3		
SMDH 00032	32.2	71.0	152.4	17.7	59.1295	9.22114	1.15095	6.9	1.2	5.7	1.1	2.3	0.3	3.4	0.3	26.1	1.2	13.0	523.4	22.9	1579.1	1.5	1.5
SMDH 00032	11.4	63.9	126.9	14.5	48.347	8.29903	2.30191	5.2	0.6	2.5	0.3	0.9	0.3	0.3	0.3	24.8	2.1	6.7	210.3	11.3	222.6		
SMDH 00032	7.0	36.1	69.2	8.5	28.985	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	0.3	0.3	12.5	1.2	3.5	114.4	0.7	349.0		
SMDH 00032	11.9	59.5	127.4	14.2	48.6949	9.22114	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	23.8	1.2	3.5	120.4	0.7	405.7		1.7
SMDH 00032	4.4	14.2	28.5	3.2	10.4346	2.30528	2.30191	1.1	0.3	1.1	0.3	0.3	0.3	0.3	0.3	4.5	0.3	4.7	151.2	0.7	413.5	0.6	
SMDH 00032	6.3	15.5	30.6	3.5	11.594	2.30528	2.30191	1.1	0.3	1.1	0.3	1.1	0.3	1.1	0.3	4.5	0.3	3.5	159.7	4.3	480.7		
SMDH 00032	9.1	42.6	83.2	10.9	35.9414	8.0685	3.45286	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	14.8	1.2	2.4	119.1	15.7	302.5		1.5
SMDH 00031b	20.8	69.8	147.2	17.2	57.9701	10.3738	1.15095	6.9	1.2	3.4	1.1	1.1	0.3	2.3	0.3	28.4	2.4	10.6	435.5	5.7	403.2		
SMDH 00031b	22.4	86.2	171.7	21.5	71.8829	12.6791	2.30191	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	30.7	2.4	10.6	425.9	12.9	654.8	1.1	
SMDH 00031b	11.9	72.1	143.7	17.9	57.9701	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	28.4	2.4	5.9	230.0	7.2	532.4		1.8
SMDH 00031b	10.1	67.1	137.1	16.7	55.6513	10.3738	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	27.3	2.4	4.7	175.2	7.2	532.4		
SMDH 00031b	8.9	63.7	132.3	16.0	52.1731	9.22114	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	26.1	1.2	4.7	157.2	4.3	734.4		
SMDH 00031b	9.8	51.9	105.5	13.0	42.8979	8.0685	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	20.4	1.2	4.7	211.5	1.4	676.2	0.8	1.7
SMDH 00031b	13.9	68.4	134.0	16.9	55.6513	9.22114	2.30191	5.7	1.2	3.4	0.3	1.1	0.3	1.1	0.3	25.0	1.2	4.7	186.1	4.3	474.4		
SMDH 00031b	8.0	53.8	107.9	12.5	40.5791	6.91585	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	0.3	0.3	20.4	1.2	3.5	159.5	0.7	333.6		
SMDH 00031b	10.8	71.7	145.5	18.1	57.9701	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	30.7	2.4	4.7	185.5	0.7	443.8		1.6
SMDH 00031b	8.6	67.4	141.0	16.0	55.6513	10.3738	2.30191	6.9	1.2	2.3	0.3	0.3	0.3	0.3	0.3	28.4	2.4	4.7	186.7	0.7	371.6	0.9	
SMDH 00031	16.6	66.2	140.2	16.3	56.8107	10.3738	2.30191	6.9	1.2	3.4	0.3	1.1	0.3	1.1	0.3	27.3	2.4	7.1	321.1	1.4	588.9		
SMDH 00031	18.4	89.0	179.6	20.5	69.5641	12.6791	2.30191	8.0	1.2	4.6	1.1	1.1	0.3	2.3	0.3	31.8	3.5	9.4	299.1	15.7	666.0		1.7
SMDH 00031	24.8	137.9	298.9	33.5	115.94	20.7476	2.30191	13.7	1.2	5.7	1.1	2.3	0.3	1.1	0.3	61.3	5.9	15.3	498.3	10.0	908.9		
SMDH 00031	11.8	35.9	77.2	8.9	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	3.5	15.3	536.9	14.3	897.5	0.7	
SMDH 00031	10.3	36.5	78.8	8.9	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	2.4	17.7	580.3	20.0	1209.1		1.5
SMDH 00031	12.9	62.2	129.0	14.8	51.0137	9.22114	1.15095	5.7	1.2	2.3	0.3	1.1	0.3	1.1	0.3	22.7	3.5	21.2	778.9	37.2	1209.1		
SMDH 00031	16.3	102.3	224.1	24.5	82.3175	13.8317	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	37.5	3.5	21.2	699.2	25.7	1409.9		
SMDH 00031	20.5	97.4	210.0	23.1	76.5205	13.8317	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	1.1	0.3	36.3	2.4	15.3	506.6	15.7	1104.4	0.5	1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00031	29.5	135.0	296.3	32.3	110.143	19.5949	2.30191	12.6	1.2	8.0	1.1	2.3	0.3	1.1	0.3	52.2	4.7	17.7	604.9	22.9	1331.5		
SMDH 00031	27.1	124.4	283.6	33.0	121.737	21.9002	2.30191	16.0	1.2	8.0	1.1	2.3	0.3	1.1	0.3	105.6	10.6	16.5	563.6	28.6	1289.4		
SMDH 00031	35.7	129.3	298.7	35.1	128.694	23.0528	2.30191	16.0	2.3	8.0	1.1	3.4	0.3	2.3	0.3	114.7	15.3	16.5	598.5	31.5	1505.3		1.5
SMDH 00030b	27.5	96.5	218.5	25.7	89.2739	16.137	1.15095	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	84.0	8.3	15.3	592.5	22.9	1199.7	0.7	
SMDH 00030b	22.2	71.2	154.0	18.4	62.6077	11.5264	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	3.4	0.3	59.1	4.7	11.8	454.9	22.9	904.5		0.5
SMDH 00030b	8.7	88.7	177.7	19.8	64.9265	10.3738	2.30191	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	36.3	1.2	3.5	118.3	11.4	426.5		
SMDH 00030b	16.6	57.0	112.9	12.4	39.4197	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	2.3	0.3	19.3	1.2	5.9	258.7	14.3	486.3	0.8	
SMDH 00030b	12.8	53.1	109.5	12.0	39.4197	6.91585	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	19.3	1.2	8.3	378.4	12.9	710.8		1.7
SMDH 00030b	9.3	61.8	129.0	14.4	47.5355	8.0685	1.15095	5.7	0.3	2.3	0.3	1.1	0.3	1.1	0.3	22.7	2.4	11.8	493.6	15.7	1022.4		
SMDH 00030b	12.9	41.7	88.6	9.7	32.4632	5.76321	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	14.8	1.2	5.9	278.9	14.3	700.8		
SMDH 00030b	11.9	24.8	47.5	5.8	18.5504	3.45793	1.15095	2.3	0.3	2.3	0.3	1.1	0.3	1.1	0.3	6.8	1.2	1.2	74.4	11.4	401.5	0.3	1.6
SMDH 00030	22.7	95.2	209.5	23.1	71.8829	14.9844	2.30191	10.3	1.2	5.7	1.1	2.3	0.3	1.1	0.3	39.7	2.4	10.6	416.5	27.2	867.8		
SMDH 00030	13.2	44.5	94.7	10.7	37.1009	6.91585	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	15.9	1.2	7.1	294.9	15.7	708.2		
SMDH 00030	9.3	26.7	56.0	6.4	20.8692	3.45793	1.15095	2.3	0.3	1.1	0.3	1.1	0.3	1.1	0.3	9.1	1.2	5.9	245.4	11.4	567.6		1.5
SMDH 00030	8.6	26.3	56.4	6.1	19.7098	3.45793	1.15095	2.3	0.3	1.1	0.3	1.1	0.3	1.1	0.3	9.1	1.2	9.4	440.0	12.9	645.4	0.8	
SMDH 00030	21.7	78.3	167.7	19.1	61.4483	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	1.1	0.3	28.4	2.4	9.4	355.9	34.3	1167.7		
SMDH 00030	13.4	42.0	86.8	9.8	31.3038	5.76321	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	13.6	1.2	8.3	380.7	21.5	708.2		1.7
SMDH 00030	9.9	34.8	72.5	8.3	25.5068	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	509.3	17.2	577.7		
SMDH 00030	15.6	36.5	76.5	8.6	26.6662	4.61057	1.15095	3.4	0.3	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	501.4	20.0	642.8	0.7	
SMDH 00030	21.2	50.2	107.9	12.5	39.4197	6.91585	1.15095	5.7	1.2	4.6	1.1	1.1	0.3	1.1	0.3	18.2	1.2	9.4	400.6	21.5	968.2		1.6
SMDH 00030	52.5	95.2	194.8	22.5	74.2017	13.8317	2.30191	9.2	2.3	8.0	2.3	4.6	1.1	5.7	1.1	34.1	2.4	11.8	492.8	44.3	1245.0		
SMDH 00030	38.3	55.9	113.8	13.0	44.0573	8.0685	1.15095	6.9	1.2	5.7	1.1	3.4	1.1	3.4	0.3	19.3	1.2	10.6	454.4	51.5	1023.6		
SMDH 00030	25.5	48.3	101.1	11.6	38.2603	6.91585	1.15095	4.6	1.2	4.6	1.1	2.3	0.3	2.3	0.3	18.2	2.4	14.2	561.5	60.1	1095.3	0.5	1.6
SMDH 00030	11.0	36.6	73.4	8.3	27.8256	4.61057	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	11.8	506.8	31.5	1256.9		
SMDH 00030	21.3	71.0	136.9	15.1	46.3761	8.0685	1.15095	5.7	1.2	4.6	1.1	2.3	0.3	2.3	0.3	17.0	1.2	11.8	518.8	45.8	1008.6		
SMDH 00030	14.2	87.3	181.3	20.9	66.0859	11.5264	1.15095	8.0	1.2	3.4	0.3	1.1	0.3	1.1	0.3	34.1	2.4	11.8	528.7	35.8	1394.5		1.5
SMDH 00030	16.0	119.0	243.7	28.0	90.4333	16.137	2.30191	11.5	2.3	4.6	0.3	1.1	0.3	1.1	0.3	45.4	3.5	10.6	472.8	25.7	1038.5	0.3	
SMDH 00029b	22.8	104.6	222.4	24.6	79.9987	14.9844	1.15095	10.3	2.3	4.6	1.1	2.3	0.3	1.1	0.3	40.9	3.5	11.8	556.9	14.3	452.0		
SMDH 00029b	25.7	91.4	184.8	22.1	70.7235	12.6791	1.15095	9.2	1.2	5.7	1.1	2.3	0.3	2.3	0.3	36.3	3.5	13.0	555.7	17.2	665.0		1.6
SMDH 00029b	19.3	64.8	135.7	16.0	53.5644	10.7196	1.03586	6.5	0.8	4.0	0.7	1.6	0.3	0.9	0.3	29.8	3.5	6.9	376.2	11.2	327.0		
SMDH 00029b	28.0	107.4	227.7	27.1	92.0565	18.0965	1.26605	10.7	1.3	5.7	0.9	2.3	0.3	2.2	0.3	48.2	4.7	10.0	347.7	14.4	383.8		
SMDH 00029b	37.6	111.2	223.2	27.4	90.4333	17.2896	2.30191	11.5	1.2	6.9	1.1	3.4	1.1	3.4	0.3	42.0	3.5	10.6	424.4	28.6	1240.4		1.4
SMDH 00029b	18.8	93.4	193.4	22.6	75.3611	12.6791	2.30191	9.2	1.2	4.6	1.1	1.1	0.3	1.1	0.3	35.2	2.4	10.6	427.3	27.2	1500.8		
SMDH 00029b	29.5	109.4	220.9	25.2	82.3175	14.9844	2.30191	9.2	1.2	5.7	1.1	3.4	0.3	3.4	0.3	34.1	2.4	9.4	403.8	42.9	1354.4		
SMDH 00029b	29.3	89.6	184.2	21.9	73.0423	13.8317	2.30191	10.3	1.2	5.7	1.1	3.4	0.3	2.3	0.3	32.9	2.4	10.6	468.6	27.2	1198.1	0.7	1.5
SMDH 00029b	36.4	89.8	180.7	21.7	70.7235	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	1.1	3.4	0.3	31.8	2.4	9.4	402.3	28.6	1116.6		
SMDH 00029b	37.1	97.6	195.1	23.2	77.6799	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	1.1	3.4	0.3	34.1	2.4	10.6	437.4	32.9	1129.6		
SMDH 00029b	31.1	94.6	190.2	22.5	76.5205	13.8317	2.30191	9.2	1.2	5.7	1.1	3.4	0.3	3.4	0.3	34.1	2.4	13.0	513.3	65.8	1299.0		1.5
SMDH 00029b	34.0	83.8	176.4	20.5	68.4047	13.8317	1.15095	10.3	1.2	5.7	1.1	3.4	0.3	3.4	0.3	31.8	2.4	11.8	475.5	24.3	1051.6	0.3	
SMDH 00029b	31.1	96.2	193.9	22.7	73.0423	13.8317	2.30191	9.2	1.2	5.7	1.1	2.3	0.3	3.4	0.3	31.8	2.4	11.8	526.7	40.1	957.7		
SMDH 00028b	34.7	103.4	215.9	25.1	82.6653	16.0217	1.49624	10.3	1.3	6.5	1.1	2.9	0.3	3.2	0.3	42.9	6.0	13.1	454.8	18.5	460.6		1.7
SMDH 00028b	30.0	69.7	145.7	16.8	54.4919	10.3738	1.15095	6.9	1.2	5.7	1.1	2.3	0.3	2.3	0.3	26.1	2.4	9.4	374.3	27.2	881.6		
SMDH 00028b	11.9	34.6	70.4	7.9	25.5068	4.61057	1.15095	3.4	1.2	2.3	0.3	1.1	0.3	1.1	0.3	12.5	1.2	5.9	233.1	24.3	630.9	0.9	
SMDH 00028b	20.0	55.0	117.4	12.6	41.7385	6.91585	1.15095	4.6	1.2	3.4	1.1	1.1	0.3	2.3	0.3	22.7	1.2	9.4	393.4	18.6	844.9		1.5
SMDH 00028b	15.1	47.5	99.3	11.2	34.782	5.76321	2.30191	4.6	1.2	2.3	1.1	1.1	0.3	1.1	0.3	19.3	1.2	8.3	350.1	21.5	757.8		
SMDH 00028b	25.7	20.0	41.3	4.9	16.2316	3.45793	1.15095	3.4	1.2	4.6	1.1	2.3	0.3	2.3	0.3	5.7	1.2	3.5	164.8	17.2	1709.6	1.2	1.5
SMDH 00028b	27.1	25.5	35.5	5.6	24.3474	4.61057	1.15095	4.6	1.2	4.6	1.1	2.3	0.3	2.3	0.3	3.4	1.2	4.7	158.9	25.7	1864.7		
SMDH 00028b	25.5	20.1	39.3	5.2	18.5504	4.61057	1.15095	4.6	1.2	3.4	1.1	2.3	0.3	2.3	0.3	4.5	1.2	3.5	144.3	24.3	1402.9		
SMDH 00028b	23.1	14.9	32.3	4.1	14.7244	3.80372	1.72643	2.9	0.6	3.9	0.7	1.8	0.3	1.5	0.3	3.4	1.3	1.7	108.5	8.6	349.5		
SMDH 00028	19.3	70.1	149.7	16.8	54.4919	9.22114	1.15095	6.9	1.2	4.6	0.3	1.1	0.3	1.1	0.3	28.4	2.4	5.9	281.1	7.2	279.6	0.5	
SMDH 00028	50.6	139.4	300.1	34.0	114.781	18.4423	1.15095	13.7	1.2	9.2	1.1	4.6	1.1	4.5	0.3	57.9	3.5	14.2	656.8	21.5	1192.5		
SMDH 00028	25.6	99.2	206.0	23.7	78.8393	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	42.0	1.2	9.4	420.8	22.9	875.7		1.5
SMDH 00028	20.2	64.0	137.7	15.9	49.8543	8.0685	1.15095	5.7	1.2	3.4	1.1	2.3	0.3	2.3	0.3	29.5	1.2	7.1	323.0	12.9	822.5		
SMDH 00028	21.4	76.4	161.1	17.7	57.9701	8.0685	1.15095	5.7	1.2	3.4	1.1	2.3	0.3	2.3	0.3	30.7	1.2	8.3	397.0	11.4	936.9	0.8	
SMDH 00028	18.6	77.3	162.6	17.9	59.1295	9.22114	2.30191	5.7	1.2	3.4	1.1	1.1	0.3	1.1	0.3	28.4	1.2	7.1	335.3	17.2	844.0		1.6
SMDH 00028	11.0	66.9	133.5	16.3	54.4919	8.0685	1.15095	5.7	0.3	2.3	0.3	1.1	0.3	0.3	0.3	25.0	1.2	7.1	314.5	12.9	704.5		
SMDH 00027b	40.0	108.1	227.2	26.8	88.1145	13.8317	2.30191	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	44.3	2.4	13.0	546.1	17.2	1089.2		
SMDH 00027b	26.6	65.1	137.2	16.6	53.7962	9.45167	2.30191	6.2	0.8	4.6	0.8	2.3	0.3	1.7	0.3	23.4	2.1	3.4	223.8	19.3	514.8		
SMDH 00027b	42.6	71.2	144.9	18.0	59.1295	9.22114	1.15095	6.9	1.2	6.9	1.1	3.4	1.1	3.4	0.3	26.1	1.2	8.3	375.7	31.5	1121.7		
SMDH 00027b	53.2	84.6	171.2	20.9	69.5641	10.3738	1.15095	9.2	1.2	8.0	2.3	4.6	1.1	5.7	1.1	30.7	1.2	13.0	538.3	28.6	1238.3		
SMDH 00027b	31.3	99.4	206.7	25.0	81.1581	12.6791	2.30191	9.2	1.2	5.7	1.1	2.3	0.3	2.3	0.3	39.7	2.4	13.0	568.4	28.6	1300.6		1.4
SMDH 00027b	30.3	122.9	249.4	29.7	90.4333	13.8317	2.30191	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	47.7	2.4	11.8	531.8	31.5	1154.4	0.2	
SMDH 00029	74.8	114.9	246.6	29.1	101.448	18.327	1.72643	11.3	1.5	8.1	1.6	3.5	0.6	3.4	0.3	49.7	4.6	15.9	670.3	27.3	348.0		
SMDH 00029	23.8	73.2	149.1	17.5	53.3325	9.22114	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	2.3	0.3	28.4	2.4	8.3	362.8	15.7	894.2		1.6
SMDH 00029	23.2	89.8	175.2	21.7	67.2453	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	32.9	2.4	8.3	365.4	34.3	1035.0		
SMDH 00029	29.5	75.9	154.0	18.4	53.3325	11.5264	1.15095	8.0	1.2	4.6	1.1	2.3	0.3	2.3	0.3	28.4	2.4	8.3	328.6	22.9	1030.8	0.4	
SMDH 00029	38.1	73.0	150.6	18.0	52.1731	11.5264	1.15095	8.0	2.3	5.7	1.1	3.4	0.3	2.3	0.3	28.4	2.4	9.4	341.9	21.5	1000.5		1.5
SMDH 00029	34.2	92.5	189.7	22.0	63.7671	13.8317	1.15095	10.3	2.3	5.7	1.1	2.3	0.3	2.3	0.3	36.3	2.4	11.8	472.8	21.5	1083.4		
SMDH 00029	18.6	83.1	164.0	19.9	56.8107	11.5264	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	31.8	2.4	10.6	413.6	28.6	1025.2		
SMDH 00029	18.4	73.9	146.7	17.8	51.0137	10.3738	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	29.5	2.4	9.4	366.1	22.9	1080.8	0.3	1.5
SMDH 00029	20.7	75.7	152.3	18.7	53.3325	10.3738	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	30.7	2.4	9.4	366.3	20.0	1155.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00029	33.6	86.6	174.5	21.3	60.2889	12.6791	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	32.9	2.4	10.6	411.6	30.0	1235.9		
SMDH 00029	31.7	74.5	161.0	19.1	62.6077	12.6791	1.15095	11.5	2.3	6.9	1.1	2.3	0.3	2.3	0.3	30.7	2.4	11.8	482.0	32.9	1236.6		1.3
SMDH 00029	34.1	70.7	155.4	18.6	63.7671	12.6791	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	27.3	2.4	10.6	405.5	30.0	1206.3	0.1	
SMDH 00027	66.8	143.2	312.3	37.0	121.737	21.9002	1.15095	14.9	3.5	11.5	2.3	5.7	1.1	5.7	1.1	62.5	4.7	17.7	717.0	31.5	1305.3		
SMDH 00027	48.4	125.7	274.1	31.8	108.984	19.5949	2.30191	13.7	2.3	9.2	1.1	3.4	1.1	3.4	0.3	53.4	3.5	11.8	525.6	28.6	1118.2		1.5
SMDH 00027	35.6	130.6	280.0	32.1	107.824	18.4423	2.30191	12.6	2.3	6.9	1.1	2.3	0.3	3.4	0.3	53.4	2.4	13.0	612.3	28.6	1332.9		
SMDH 00027	35.5	118.6	258.9	30.0	99.7085	17.2896	2.30191	12.6	2.3	6.9	1.1	2.3	0.3	2.3	0.3	51.1	3.5	13.0	561.7	25.7	1349.4	0.7	
SMDH 00027	46.9	147.7	317.8	36.6	124.056	21.9002	2.30191	16.0	2.3	9.2	1.1	3.4	1.1	3.4	1.1	61.3	3.5	11.8	551.5	42.9	1437.5		1.5
SMDH 00027	20.0	84.2	179.8	20.2	69.5641	11.5264	2.30191	8.0	1.2	3.4	1.1	2.3	0.3	1.1	0.3	34.1	1.2	11.8	549.9	28.6	1269.6		
SMDH 00027	31.6	102.6	211.8	24.4	69.5641	12.6791	1.15095	8.0	1.2	5.7	1.1	3.4	0.3	2.3	0.3	36.3	2.4	9.4	497.5	24.3	1251.8		
SMDH 00027	46.9	122.6	252.1	31.0	97.3897	17.2896	2.30191	12.6	1.2	9.2	1.1	5.7	1.1	4.5	1.1	47.7	2.4	13.0	556.4	24.3	1264.7	0.2	1.5
SMDH 00027	107.2	132.3	272.9	33.7	106.665	19.5949	1.15095	13.7	2.3	14.9	3.4	13.7	2.3	11.4	2.3	51.1	3.5	16.5	710.9	35.8	1473.7		
SMDH 00026b	50.8	115.2	239.1	29.3	91.5927	17.2896	2.30191	11.5	1.2	8.0	1.1	5.7	1.1	3.4	1.1	47.7	3.5	11.8	553.4	20.0	828.5		
SMDH 00026b	33.2	78.3	160.6	20.1	62.6077	11.5264	2.30191	8.0	1.2	6.9	1.1	3.4	0.3	2.3	0.3	32.9	2.4	8.3	382.3	17.2	872.5	0.4	
SMDH 00026b	41.6	74.4	152.3	19.1	60.2889	11.5264	2.30191	8.0	1.2	6.9	1.1	4.6	1.1	3.4	0.3	30.7	1.2	8.3	359.4	17.2	820.8		
SMDH 00026b	54.7	113.2	235.2	29.8	90.4333	17.2896	2.30191	12.6	1.2	9.2	2.3	6.8	1.1	4.5	1.1	47.7	2.4	11.8	566.1	21.5	1205.3		1.4
SMDH 00026b	46.8	99.4	220.8	21.9	84.6363	16.137	2.30191	11.5	2.3	8.0	2.3	4.6	1.1	4.5	1.1	35.2	2.4	10.6	442.8	32.9	859.8		
SMDH 00026b	37.0	99.3	211.3	22.2	85.7957	14.9844	2.30191	10.3	2.3	6.9	1.1	3.4	0.3	3.4	0.3	34.1	2.4	9.4	361.7	35.8	693.3	0.2	
SMDH 00026b	53.7	116.9	262.1	27.4	100.868	18.4423	2.30191	12.6	2.3	9.2	2.3	5.7	1.1	3.4	1.1	47.7	3.5	14.2	548.3	32.9	959.1		1.5
SMDH 00026b	53.5	119.2	254.9	26.3	98.5491	18.4423	1.15095	12.6	2.3	9.2	2.3	4.6	1.1	4.5	1.1	42.0	3.5	11.8	488.3	37.2	1075.9		
SMDH 00026b	45.4	116.8	253.4	26.3	93.9115	18.4423	2.30191	11.5	2.3	8.0	1.1	4.6	0.3	3.4	0.3	42.0	3.5	11.8	471.2	37.2	887.2		
SMDH 00026b	63.9	132.1	298.9	30.4	111.303	20.7476	2.30191	14.9	3.5	11.5	2.3	6.8	1.1	4.5	1.1	51.1	4.7	11.8	486.7	32.9	1120.8	0.2	1.4
SMDH 00026b	46.1	128.4	287.3	28.9	106.665	20.7476	1.15095	14.9	2.3	9.2	1.1	4.6	0.3	3.4	0.3	48.8	3.5	14.2	583.8	35.8	1090.9		
SMDH 00026b	41.8	89.7	189.1	22.0	73.7379	13.947	1.15095	8.9	1.1	4.8	0.9	1.9	0.3	2.5	0.3	37.7	3.7	10.6	729.6	15.2	576.3		
SMDH 00026	41.7	115.3	255.5	28.9	89.2739	16.137	1.15095	11.5	2.3	8.0	1.1	3.4	0.3	2.3	0.3	51.1	3.5	11.8	506.6	18.6	767.3		1.5
SMDH 00026	45.8	99.7	216.4	24.4	77.6799	13.8317	2.30191	11.5	2.3	8.0	1.1	3.4	1.1	3.4	0.3	43.2	3.5	9.4	401.6	22.9	934.6	0.4	
SMDH 00026	48.7	102.4	224.1	25.8	86.9551	14.9844	1.15095	11.5	2.3	9.2	2.3	3.4	1.1	4.5	1.1	45.4	3.5	13.0	509.0	24.3	1077.1		
SMDH 00026	57.4	94.9	207.1	23.8	81.1581	14.9844	2.30191	11.5	2.3	9.2	2.3	4.6	1.1	4.5	1.1	40.9	3.5	10.6	423.5	21.5	1057.7		1.5
SMDH 00026	61.0	110.8	238.5	27.6	90.4333	16.137	2.30191	12.6	2.3	10.3	2.3	4.6	1.1	5.7	1.1	46.6	3.5	11.8	492.8	27.2	1033.2		
SMDH 00026	56.9	130.8	283.3	32.8	110.143	19.5949	2.30191	16.0	3.5	10.3	2.3	4.6	1.1	4.5	1.1	56.8	3.5	16.5	606.8	32.9	1172.9	0.4	
SMDH 00026	45.2	125.0	273.2	31.5	100.868	17.2896	2.30191	14.9	2.3	9.2	1.1	3.4	1.1	3.4	0.3	55.6	2.4	13.0	478.6	22.9	1161.9		1.5
SMDH 00026	48.0	176.6	362.4	42.5	144.925	24.2055	2.30191	18.3	3.5	10.3	2.3	3.4	1.1	4.5	1.1	67.0	3.5	16.5	663.6	55.8	1501.8		
SMDH 00026	28.9	122.1	395.6	30.0	111.303	17.2896	2.30191	12.6	2.3	6.9	1.1	3.4	0.3	2.3	0.3	53.4	2.4	13.0	566.1	34.3	1443.1		
SMDH 00026	43.7	113.7	380.5	28.3	105.506	17.2896	2.30191	12.6	2.3	9.2	1.1	5.7	1.1	3.4	0.3	54.5	2.4	8.3	459.7	11.4	1291.3	0.5	1.5
SMDH 00026	37.4	137.6	461.7	35.1	129.853	20.7476	2.30191	14.9	2.3	9.2	1.1	4.6	0.3	2.3	0.3	70.4	3.5	16.5	720.1	25.7	1443.1		
SMDH 00026	28.4	136.6	448.1	34.7	126.375	20.7476	2.30191	13.7	2.3	6.9	1.1	3.4	0.3	1.1	0.3	65.9	3.5	15.3	690.9	27.2	1662.5		
SMDH 00025b	25.7	70.1	221.1	17.1	64.9265	10.3738	1.15095	8.0	1.2	5.7	1.1	3.4	0.3	2.3	0.3	34.1	2.4	8.3	378.0	12.9	667.6		1.4
SMDH 00025b	31.6	81.7	247.6	19.7	77.6799	12.6791	1.15095	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	34.1	2.4	7.1	310.7	31.5	883.7	0.9	
SMDH 00025b	27.1	103.0	292.9	23.3	82.3175	12.6791	1.15095	9.2	1.2	5.7	1.1	3.4	0.3	2.3	0.3	36.3	2.4	7.1	343.5	38.6	861.5		
SMDH 00025b	30.9	83.5	271.3	19.7	69.5641	11.5264	1.15095	9.2	1.2	4.6	1.1	3.4	0.3	2.3	0.3	37.5	2.4	8.3	392.8	20.0	966.4		1.4
SMDH 00025b	13.3	52.6	105.5	12.6	53.3325	9.22114	1.15095	10.3	1.2	5.7	1.1	2.3	0.3	2.3	0.3	14.8	1.2	7.1	156.2	25.7	916.1		
SMDH 00025b	27.1	81.5	175.7	19.9	83.4769	13.8317	1.15095	8.0	1.2	5.7	1.1	2.3	0.3	2.3	0.3	31.8	2.4	8.3	377.1	18.6	685.1	0.2	
SMDH 00025b	34.3	85.3	190.4	21.1	89.2739	13.8317	2.30191	10.3	2.3	6.9	1.1	2.3	0.3	3.4	0.3	31.8	2.4	10.6	419.6	18.6	690.5		1.4
SMDH 00025b	31.4	79.6	183.3	19.9	78.8393	12.6791	1.15095	9.2	1.2	5.7	1.1	2.3	0.3	3.4	0.3	30.7	2.4	9.4	406.2	15.7	695.9		
SMDH 00025	27.9	92.8	205.5	22.0	89.2739	13.8317	1.15095	10.3	1.2	6.9	1.1	2.3	0.3	2.3	0.3	36.3	2.4	9.4	429.6	8.6	542.6		
SMDH 00025	19.1	60.7	130.7	14.3	57.9701	9.22114	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	2.3	0.3	22.7	1.2	7.1	295.3	17.2	443.4	0.9	1.5
SMDH 00025	29.8	88.1	193.1	21.6	88.1145	13.8317	1.15095	10.3	2.3	6.9	1.1	2.3	0.3	2.3	0.3	34.1	1.2	9.4	352.7	18.6	695.9		
SMDH 00025	40.0	88.6	189.9	21.4	85.7957	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	1.1	30.7	2.4	8.3	339.6	21.5	669.0		
SMDH 00025	20.4	69.5	159.7	17.9	55.6513	10.3738	1.15095	6.9	1.2	4.6	1.1	2.3	0.3	2.3	0.3	30.7	1.2	7.1	286.4	14.3	552.4		1.5
SMDH 00025	38.7	79.4	171.4	20.4	47.5355	12.6791	1.15095	6.9	1.2	6.9	1.1	3.4	0.3	3.4	0.3	29.5	2.4	7.1	342.2	22.9	688.6	0.7	
SMDH 00025	39.9	77.8	180.3	20.3	62.6077	12.6791	1.15095	9.2	1.2	8.0	1.1	4.6	0.3	3.4	0.3	32.9	2.4	5.9	257.7	24.3	591.7		
SMDH 00025	51.2	82.6	189.7	21.6	71.8829	13.8317	1.15095	10.3	2.3	10.3	1.1	5.7	1.1	5.7	1.1	36.3	2.4	9.4	398.5	22.9	691.2		1.4
SMDH 00025	41.7	98.6	226.1	25.7	83.4769	14.9844	2.30191	11.5	2.3	9.2	1.1	4.6	0.3	3.4	0.3	43.2	2.4	10.6	426.9	25.7	916.4		
SMDH 00025	50.4	85.8	195.8	21.5	69.5641	11.5264	1.15095	9.2	2.3	8.0	1.1	4.6	1.1	4.5	1.1	36.3	2.4	9.4	376.9	22.9	675.5		1.5
SMDH 00025	50.2	114.9	251.8	27.6	89.2739	16.137	1.15095	11.5	1.2	9.2	1.1	5.7	1.1	4.5	1.1	52.2	3.5	13.0	530.3	28.6	1070.5		
SMDH 00025	42.7	102.0	224.8	25.8	84.6363	16.137	1.15095	11.5	1.2	8.0	1.1	4.6	1.1	3.4	0.3	48.8	3.5	10.6	465.1	24.3	940.9		
SMDH 00024b	65.6	192.3	424.6	47.9	154.2	26.5108	1.15095	18.3	2.3	12.6	2.3	6.8	1.1	5.7	1.1	92.0	4.7	20.0	802.1	15.7	844.2	1.2	1.5
SMDH 00024b	22.4	103.4	219.3	25.1	79.9987	13.8317	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	1.1	0.3	50.0	2.4	10.6	462.6	21.5	1009.8		
SMDH 00024b	19.0	101.2	211.2	23.8	77.6799	12.6791	2.30191	8.0	1.2	4.6	1.1	2.3	0.3	1.1	0.3	44.3	2.4	7.1	286.9	22.9	993.2		
SMDH 00024b	12.2	65.2	136.3	15.9	51.0137	8.0685	1.15095	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	28.4	1.2	3.5	137.9	12.9	582.1		1.6
SMDH 00024b	21.9	73.4	157.0	17.4	56.8107	10.3738	2.30191	5.7	1.2	4.6	1.1	2.3	0.3	2.3	0.3	32.9	2.4	5.9	259.9	15.7	766.9	0.7	
SMDH 00024b	38.3	93.1	202.6	23.2	76.5205	13.8317	1.15095	10.3	1.2	6.9	1.1	3.4	0.3	3.4	0.3	44.3	3.5	9.4	390.8	21.5	935.3		
SMDH 00024b	42.6	64.0	136.3	15.7	52.1731	9.22114	1.15095	6.9	1.2	6.9	1.1	3.4	0.3	3.4	0.3	28.4	2.4	10.6	399.3	22.9	1073.1		1.4
SMDH 00024b	50.7	41.1	82.0	9.6	32.4632	5.76321	1.15095	5.7	1.2	6.9	1.1	4.6	1.1	4.5	1.1	17.0	1.2	14.2	580.3	35.8	1534.2		
SMDH 00024b	41.1	68.3	142.3	16.3	55.6513	9.22114	1.15095	8.0	1.2	6.9	1.1	3.4	0.3	3.4	0.3	32.9	2.4	9.4	399.7	21.5	905.9	0.6	
SMDH 00024b	32.7	74.3	152.6	17.9	59.1295	10.3738	1.15095	8.0	1.2	5.7	1.1	2.3	0.3	2.3	0.3	37.5	3.5	9.4	352.2	20.0	760.3		1.4
SMDH 00024b	46.9	59.3	125.9	14.5	48.6949	9.22114	1.15095	6.9	1.2	8.0	1.1	4.6	1.1	4.5	0.3	28.4	3.5	8.3	358.9	30.0	958.0		
SMDH 00024b	38.5	84.5	184.7	21.6	70.7235	12.6791	1.15095	9.2	1.2	6.9	1.1	3.4	0.3	3.4	0.3	43.2	2.4	10.6	445.5	22.9	1029.2		
SMDH 00024b	44.5	116.1	250.0	29.1	97.3897	17.2896	1.15095	11.5	1.2	8.0	1.1	3.4	1.1	3.4	1.1	51.1	2.4	13.0	500.2	34.3	1410.9	0.9	1.4
SMDH 00024b	14.8	57.8	125.1	13.9	47.5355	6.91585	2.30191	4.6	0.3	2.3	0.3	1.1	0.3	1.1	0.3	25.0	2.4	31.8	1290.3	58.7	2011.9		
SMDH 00024b	43.2	132.2	293.4	32.3	107.824	17.2896	1.15095	12.6	2.3	8.0	1.1	3.4	1.1	3.4	0.3	56.8	2.4	13.0	522.6	21.5	1082.0		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00024	44.9	90.4	209.4	23.4	76.5205	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	1.1	44.3	3.5	14.2	549.4	21.5	960.1		1.3
SMDH 00024	43.0	74.1	159.1	19.0	62.6077	11.5264	2.30191	9.2	2.3	6.9	1.1	3.4	1.1	3.4	0.3	32.9	2.4	7.1	306.1	20.0	767.6	1.0	
SMDH 00024	46.6	79.8	177.3	20.5	67.2453	12.6791	2.30191	9.2	2.3	6.9	1.1	3.4	1.1	4.5	1.1	35.2	2.4	9.4	398.2	35.8	821.8		
SMDH 00024	29.5	108.2	243.7	28.1	97.3897	17.2896	1.15095	12.6	2.3	6.9	1.1	2.3	0.3	2.3	0.3	51.1	2.4	14.2	537.2	25.7	1114.7		1.6
SMDH 00024	26.2	107.9	241.9	26.9	91.5927	16.137	2.30191	11.5	2.3	5.7	1.1	2.3	0.3	1.1	0.3	48.8	2.4	10.6	466.4	28.6	1027.8		
SMDH 00024	31.1	115.4	258.6	29.4	100.868	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	52.2	2.4	14.2	549.0	20.0	1271.9	0.5	
SMDH 00024	22.9	138.2	309.8	34.8	115.94	19.5949	2.30191	12.6	2.3	5.7	1.1	1.1	0.3	1.1	0.3	63.6	2.4	9.4	389.7	21.5	802.1		1.6
SMDH 00024	40.7	107.5	247.2	28.3	93.9115	16.137	1.15095	12.6	2.3	8.0	1.1	3.4	0.3	3.4	0.3	51.1	2.4	11.8	480.7	24.3	944.4		
SMDH 00024	37.3	124.4	276.8	33.3	111.303	19.5949	2.30191	12.6	2.3	8.0	1.1	2.3	0.3	2.3	0.3	56.8	2.4	10.6	454.4	25.7	944.4		
SMDH 00023b	27.0	115.5	265.0	30.6	102.027	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	55.6	2.4	13.0	519.9	27.2	826.0	0.6	1.4
SMDH 00023b	31.4	87.7	185.3	22.2	75.593	12.6791	1.15095	7.8	0.9	3.8	0.7	1.5	0.3	1.4	0.3	41.8	3.8	8.0	461.7	20.5	587.0		1.7
SMDH 00023b	25.0	74.3	124.4	18.0	60.2889	10.3738	2.30191	6.9	1.2	4.6	1.1	1.1	0.3	2.3	0.3	18.2	1.2	14.2	593.8	21.5	983.2		
SMDH 00023b	14.7	76.6	167.8	19.7	66.0859	11.5264	1.15095	8.0	1.2	3.4	1.1	1.1	0.3	1.1	0.3	31.8	1.2	11.8	485.3	21.5	1204.6		1.5
SMDH 00023b	18.1	123.3	281.0	31.9	105.506	17.2896	2.30191	10.3	1.2	4.6	1.1	1.1	0.3	1.1	0.3	56.8	2.4	11.8	541.7	18.6	1118.0	0.8	
SMDH 00023b	17.0	94.1	213.6	23.4	74.2017	12.6791	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	38.6	2.4	9.4	428.6	17.2	983.6		
SMDH 00023b	29.3	118.4	236.8	28.6	102.955	16.7133	1.61133	9.6	1.1	4.2	0.7	1.3	0.3	0.3	0.3	46.3	3.8	9.8	483.0	25.2	452.2		
SMDH 00023b	23.6	101.3	220.3	25.1	85.7957	14.9844	2.30191	9.2	1.2	4.6	1.1	1.1	0.3	2.3	0.3	45.4	2.4	13.0	552.3	25.7	1185.2		
SMDH 00023b	37.3	89.6	201.0	23.5	78.8393	13.8317	1.15095	10.3	2.3	6.9	1.1	3.4	0.3	3.4	0.3	44.3	2.4	11.8	459.1	28.6	919.9	0.4	
SMDH 00023b	44.1	92.0	210.2	24.7	75.3611	13.8317	1.15095	10.3	2.3	8.0	1.1	3.4	1.1	4.5	0.3	47.7	2.4	11.8	496.1	24.3	930.4		1.5
SMDH 00023b	42.6	83.8	185.3	21.6	70.7235	12.6791	1.15095	9.2	2.3	6.9	1.1	3.4	1.1	4.5	1.1	43.2	2.4	9.4	400.0	21.5	793.7		
SMDH 00023b	46.1	82.2	187.4	22.3	70.7235	13.8317	1.15095	10.3	2.3	8.0	1.1	4.6	1.1	5.7	1.1	45.4	2.4	11.8	444.5	27.2	835.8		
SMDH 00023	39.9	147.0	347.1	37.2	117.1	20.7476	1.15095	13.7	2.3	8.0	1.1	3.4	0.3	3.4	0.3	72.7	3.5	23.6	1095.5	18.6	733.2	1.0	1.6
SMDH 00023	28.5	106.4	245.3	29.1	96.2303	17.2896	1.15095	11.5	2.3	5.7	1.1	2.3	0.3	2.3	0.3	57.9	2.4	17.7	751.2	17.2	980.1		
SMDH 00023	21.3	95.3	199.2	25.8	91.5927	14.9844	1.15095	9.2	1.2	4.6	1.1	2.3	0.3	2.3	0.3	46.6	1.2	8.3	390.0	11.4	865.0		1.4
SMDH 00023	28.8	132.1	282.9	36.0	127.534	19.5949	1.15095	12.6	1.2	5.7	1.1	3.4	0.3	3.4	0.3	63.6	2.4	13.0	599.6	15.7	1143.2	1.4	
SMDH 00023	15.2	110.1	237.5	28.7	98.5491	14.9844	1.15095	10.3	1.2	3.4	0.3	1.1	0.3	1.1	0.3	51.1	1.2	11.8	569.5	14.3	1030.1		
SMDH 00023	19.8	103.8	223.5	29.3	153.041	13.8317	1.15095	5.7	1.2	5.7	0.3	1.1	0.3	1.1	0.3	46.6	1.2	5.9	379.4	17.2	940.4		1.6
SMDH 00023	17.4	123.4	249.2	35.5	148.403	13.8317	2.30191	5.7	1.2	5.7	1.1	2.3	0.3	1.1	0.3	52.2	1.2	7.1	299.1	20.0	962.9		
SMDH 00023	11.7	61.1	131.5	15.3	51.0137	8.0685	1.15095	6.9	1.2	2.3	0.3	1.1	0.3	1.1	0.3	26.1	1.2	7.1	273.5	8.6	718.3	0.8	
SMDH 00023	34.0	130.8	287.7	32.7	111.303	17.2896	1.15095	10.3	1.2	5.7	1.1	3.4	0.3	3.4	0.3	55.6	2.4	13.0	647.0	17.2	1292.9		1.5
SMDH 00023	14.1	78.1	167.2	19.9	66.0859	10.3738	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	1.1	0.3	34.1	1.2	8.3	325.4	11.4	981.3		
SMDH 00023	36.1	109.9	233.9	27.5	95.0709	14.9844	1.15095	9.2	1.2	5.7	1.1	3.4	0.3	3.4	1.1	46.6	1.2	8.3	431.3	12.9	936.5		
SMDH 00023	29.7	102.8	223.0	26.5	91.5927	13.8317	1.15095	8.0	1.2	4.6	1.1	3.4	0.3	3.4	0.3	44.3	1.2	10.6	518.0	15.7	1046.5	0.5	1.4
SMDH 00023	20.2	91.4	193.7	23.4	79.9987	12.6791	1.15095	6.9	1.2	3.4	1.1	2.3	0.3	1.1	0.3	43.2	1.2	9.4	434.6	12.9	918.0		
SMDH 00023	25.5	106.6	223.1	26.8	89.2739	13.8317	1.15095	10.3	1.2	4.6	1.1	2.3	0.3	2.3	0.3	50.0	1.2	11.8	488.3	21.5	1196.4		
SMDH 00022b	57.8	152.1	349.3	39.9	136.693	22.9376	0.92076	12.8	1.5	6.6	1.3	2.7	0.3	3.0	0.3	75.3	5.0	7.4	583.0	16.0	371.6		
SMDH 00022b	17.9	129.9	240.2	31.1	99.7085	14.9844	2.30191	9.2	1.2	3.4	1.1	1.1	0.3	1.1	0.3	52.2	1.2	8.3	370.8	40.1	918.0	1.6	
SMDH 00022b	19.8	73.2	152.5	17.7	60.2889	10.3738	1.15095	6.9	1.2	3.4	1.1	1.1	0.3	1.1	0.3	28.4	1.2	5.9	266.6	20.0	541.7		
SMDH 00022b	39.7	142.4	310.7	38.0	126.375	21.9002	2.30191	13.7	1.2	8.0	1.1	3.4	0.3	3.4	0.3	69.3	2.4	14.2	610.8	28.6	1334.3		1.5
SMDH 00022b	34.0	119.5	264.7	33.0	112.462	18.4423	1.15095	12.6	1.2	6.9	1.1	3.4	0.3	3.4	0.3	61.3	2.4	11.8	456.7	18.6	961.2		
SMDH 00022b	51.3	143.8	312.2	37.8	129.853	21.9002	1.15095	16.0	1.2	9.2	1.1	5.7	1.1	5.7	1.1	70.4	2.4	10.6	441.8	18.6	967.5	0.6	
SMDH 00022b	51.1	128.3	275.0	34.6	119.418	19.5949	1.15095	13.7	1.2	9.2	1.1	5.7	1.1	6.8	1.1	63.6	3.5	11.8	465.8	22.9	1107.5		1.5
SMDH 00022b	185.2	314.0	679.0	82.4	258.547	43.8004	2.30191	37.8	4.7	32.1	6.9	20.5	3.4	31.8	4.5	157.9	5.9	8.3	306.5	27.2	672.0		
SMDH 00022b	73.9	184.5	387.6	46.0	165.794	28.8161	2.30191	18.3	2.3	12.6	2.3	9.1	1.1	10.2	1.1	87.4	3.5	8.3	433.3	17.2	995.6		
SMDH 00022b	95.4	184.4	389.7	45.8	148.403	26.5108	2.30191	19.5	2.3	14.9	3.4	12.6	1.1	12.5	2.3	84.0	3.5	11.8	529.0	21.5	755.9	0.5	1.4
SMDH 00022	78.7	132.5	302.9	33.6	118.607	19.8254	1.38114	12.0	1.5	8.2	1.6	3.7	0.7	4.1	0.8	65.6	4.8	9.9	593.9	21.5	572.3		
SMDH 00022	79.8	120.3	278.5	30.0	103.419	18.0965	1.26605	10.8	1.4	7.7	1.7	4.0	0.7	4.5	0.9	53.8	4.0	7.1	417.5	24.6	742.6		
SMDH 00022	29.4	132.8	275.9	33.1	117.1	19.5949	1.15095	12.6	1.2	8.0	1.1	4.6	0.3	4.5	1.1	55.6	2.4	13.0	526.0	20.0	1322.1		1.4
SMDH 00022	39.8	120.6	226.2	28.3	97.1579	15.4454	2.18681	10.2	1.2	7.1	1.4	3.4	0.6	3.6	0.6	43.6	2.1	10.8	459.3	22.9	967.8	4.6	
SMDH 00022	18.2	99.5	204.7	23.9	0.5797	12.9096	1.72643	7.6	0.8	3.9	0.7	1.4	0.3	1.4	0.3	40.3	1.4	9.2	401.3	14.3	545.0		
SMDH 00022	35.0	91.6	290.0	20.8	78.2596	12.5638	1.15095	7.2	1.1	6.3	1.4	4.1	0.3	3.3	0.3	36.0	1.8	10.1	428.7	27.2	750.8		1.4
SMDH 00022	30.5	80.4	258.4	19.1	69.3322	12.1027	1.38114	7.1	0.9	5.5	1.0	3.9	0.3	3.0	0.3	31.0	1.5	9.0	395.2	15.7	617.4		
SMDH 00021b	23.8	65.9	259.8	16.0	62.028	10.1433	0.80567	6.4	0.8	4.2	0.8	2.7	0.3	2.5	0.3	35.8	1.7	14.0	607.6	14.3	942.8	0.7	
SMDH 00021b	16.9	71.5	260.6	16.6	61.5642	11.5264	0.80567	5.7	0.6	3.6	0.6	2.2	0.3	1.7	0.3	45.8	1.3	10.4	464.1	17.2	926.0		1.5
SMDH 00021b	14.4	67.0	214.6	16.2	53.9122	9.6822	0.69057	5.5	0.6	3.0	0.6	2.1	0.3	1.8	0.3	40.5	0.9	9.1	374.7	14.3	720.2		
SMDH 00021b	18.4	58.0	213.3	13.7	50.2021	7.95323	0.69057	4.5	0.3	2.7	0.6	2.5	0.3	2.6	0.3	39.2	1.1	12.6	526.5	15.7	967.8		
SMDH 00021b	31.8	112.1	397.2	27.0	98.2013	15.6759	1.49624	9.9	1.1	6.1	1.0	4.0	0.3	4.1	0.3	50.4	1.4	12.0	503.7	15.7	953.7	0.8	1.6
SMDH 00021b	60.2	111.7	318.6	24.7	97.2738	13.2554	1.26605	11.6	2.1	7.1	1.7	4.5	0.6	6.6	0.9	45.0	1.4	13.3	510.6	44.3	893.7		
SMDH 00021b	35.7	118.0	352.3	27.0	106.433	16.7133	1.38114	11.8	1.9	6.6	1.0	2.7	0.3	3.5	0.3	52.8	1.2	15.9	654.6	31.5	1128.7		
SMDH 00021b	28.1	112.1	336.0	25.3	101.68	15.7912	1.03586	10.4	1.5	4.5	0.8	1.9	0.3	2.4	0.3	48.8	1.2	11.7	498.3	27.2	1006.1		1.7
SMDH 00021b	23.8	98.0	295.2	43.5	150.954	10.8348	1.03586	6.5	1.1	3.1	0.6	1.6	0.3	1.5	0.3	35.2	0.3	8.7	529.9	42.9	1121.9	0.6	
SMDH 00021b	19.5	67.9	193.6	14.8	60.4048	9.22114	1.15095	6.3	0.9	2.9	0.6	1.5	0.3	1.4	0.3	26.9	0.6	10.0	397.4	17.2	651.9		
SMDH 00021	48.0	95.6	233.8	24.0	82.6653	14.5233	1.15095	8.8	1.2	5.4	1.1	2.5	0.3	2.7	0.3	50.1	2.9	9.5	698.2	18.2	584.0		1.6
SMDH 00021	22.1	62.3	80.0	18.3	61.4483	15.9065	1.61133	5.0	0.8	3.1	0.6	1.4	0.7	1.5	0.3	13.5	0.7	8.6	376.2	14.3	566.0	0.9	
SMDH 00021	18.9	55.1	120.4	10.2	41.8544	5.41742	1.15095	4.9	0.7	2.7	0.3	1.3	0.3	1.3	0.3	13.7	0.3	13.7	600.2	17.2	1082.2		1.5
SMDH 00021	48.9	142.3	438.7	30.3	117.447	18.0965	1.26605	12.7	2.3	7.6	1.5	4.0	0.6	5.2	0.7	54.9	1.2	16.6	672.7	18.6	1188.3		
SMDH 00021	23.8	106.3	344.9	21.7	101.564	14.408	1.61133	8.2	0.6	4.9	0.8	2.2	0.3	1.9	0.3	45.4	0.6	17.0	450.1	20.0	1129.4		
SMDH 00021	12.7	93.3	306.4	20.3	91.129	12.4485	1.49624	7.9	0.3	3.2	0.3	1.0	0.3	0.7	0.3	43.2	0.8	18.2	443.3	14.3	1070.3	0.6	1.6
SMDH 00021	12.2	125.7	416.2	25.9	121.389	15.6759	1.61133	8.8	0.6	3.1	0.3	0.9	0.3	0.3	0.3	55.9	0.6	23.0	577.6	27.2	1332.2		
SMDH 00021	21.5	78.9	248.4	15.9	75.2452	10.1433	1.72643	6.5	0.3	4.1	0.7	1.8	0.3	1.4	0.3	35.2	0.3	15.2	378.5	28.6	1047.4		
SMDH 00020b	16.9	47.2	170.2	10.2	44.521	7.37691	0.69057	5.3	0.3	3.2	0.3	1.4	0.3	1.3	0.3	24.4	0.8	13.8	384.7	10.0	392.9		1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00020b	22.6	57.4	152.5	12.9	52.9847	9.3364	1.26605	6.4	0.3	3.9	0.7	1.6	0.3	1.3	0.3	28.5	0.7	8.5	227.6	22.9	559.7	0.6	
SMDH 00020b	51.7	91.1	293.3	19.3	88.8102	15.7912	2.18681	12.1	0.9	9.6	1.6	4.1	0.3	3.1	0.3	31.0	0.9	12.1	312.7	24.3	677.6		
SMDH 00020b	37.3	87.9	184.5	22.2	77.2161	15.2149	3.33776	10.4	1.4	7.1	1.4	3.4	1.6	3.4	0.6	40.5	1.7	10.5	415.4	17.2	801.9		1.7
SMDH 00020b	45.1	137.2	438.1	28.2	136.23	23.0528	2.5321	9.3	1.1	8.2	1.5	3.7	0.3	2.6	0.3	59.5	1.5	17.6	462.5	61.5	1109.6		
SMDH 00020b	11.9	63.7	202.2	15.5	60.7526	12.1027	1.15095	5.8	0.3	2.7	0.3	1.0	0.3	0.6	0.3	26.1	0.8	6.3	265.2	17.2	517.9	0.7	
SMDH 00020	24.7	94.2	316.6	23.7	94.3753	17.866	1.03586	9.5	0.8	5.3	0.9	3.4	0.3	2.3	0.3	41.0	3.1	22.6	1014.5	12.9	558.0		1.7
SMDH 00020	11.0	78.0	235.7	17.5	71.4191	9.79746	1.26605	5.5	0.3	2.6	0.3	1.4	0.3	0.7	0.3	27.9	1.1	7.3	324.2	12.9	684.0		
SMDH 00020	7.5	62.3	193.6	14.5	60.5208	9.3364	1.26605	4.6	0.3	1.5	0.3	0.8	0.3	0.8	0.3	23.7	0.6	6.5	262.3	10.0	572.3		
SMDH 00020	5.1	19.0	35.3	3.8	12.9853	2.30528	2.18681	1.4	0.3	0.7	0.3	0.3	0.3	0.3	0.3	4.3	1.4	2.8	113.7	11.3	246.2		
SMDH 00020	17.6	76.9	244.4	17.3	72.2307	9.91272	1.03586	5.6	0.6	4.0	0.8	2.5	0.3	2.7	0.3	30.1	0.9	7.7	310.1	10.0	732.5		
SMDH 00020	18.5	97.9	318.1	23.2	91.2449	14.408	1.15095	7.8	0.6	4.4	0.8	2.6	0.3	2.2	0.3	39.9	1.9	8.1	373.6	15.7	869.9		
SMDH 00020	9.1	82.6	274.9	21.1	79.9987	12.9096	0.80567	6.5	0.3	1.8	0.3	0.9	0.3	0.9	0.3	33.8	1.2	8.4	367.3	10.0	741.2		1.6
SMDH 00020	8.5	36.7	139.7	8.0	31.6517	5.53268	1.15095	3.0	0.3	1.4	0.3	1.1	0.3	1.0	0.3	11.9	0.7	6.3	281.8	8.6	517.9	0.6	
SMDH 00019b	10.5	122.4	394.6	27.7	107.361	17.866	1.38114	8.7	0.6	3.2	0.3	1.1	0.3	0.3	0.3	48.7	1.4	8.8	432.8	10.0	635.4		
SMDH 00019b	11.4	41.1	165.1	9.7	33.7386	5.64795	1.26605	3.3	0.3	2.1	0.3	1.3	0.3	1.4	0.3	15.0	0.6	5.7	268.4	8.6	489.8		1.5
SMDH 00019b	20.9	44.3	134.1	11.0	44.637	6.68533	1.61133	4.8	0.3	2.9	0.7	3.1	0.3	2.5	0.3	18.3	0.6	5.8	248.3	8.6	517.4		
SMDH 00019b	24.0	57.9	184.7	14.9	49.9702	8.52955	1.49624	5.4	0.6	3.9	0.8	3.5	0.3	4.0	0.3	26.6	0.9	14.3	587.5	11.4	737.2	0.7	
SMDH 00019b	8.5	24.9	73.0	6.2	20.4055	4.72583	1.26605	2.2	0.3	1.4	0.3	1.3	0.3	1.0	0.3	8.9	0.3	9.0	371.5	27.2	732.5		1.5
SMDH 00019b	38.9	102.1	290.4	27.5	98.2013	18.0965	1.61133	10.4	1.1	5.8	1.1	4.0	0.6	2.8	0.3	49.9	2.5	10.8	471.3	14.3	1198.6		
SMDH 00019b	40.8	99.8	272.8	25.7	89.6217	17.7507	1.26605	10.9	1.3	5.8	1.4	4.1	0.6	3.2	0.6	45.1	2.2	11.2	480.6	20.0	1118.4		
SMDH 00019b	38.9	107.9	290.6	26.2	87.6508	15.3301	1.49624	9.6	1.3	5.3	1.3	3.7	0.3	3.0	0.3	44.4	2.1	13.1	527.8	31.5	1267.0	0.7	1.4
SMDH 00019b	40.4	111.4	304.0	26.9	90.6652	19.5949	1.38114	10.7	1.3	6.3	1.1	4.1	0.6	2.8	0.6	47.6	2.4	12.3	525.5	21.5	1135.5		
SMDH 00019b	40.7	100.1	277.8	25.9	86.7232	15.0996	1.03586	9.7	1.4	6.8	1.4	4.2	0.7	3.3	0.3	46.0	2.5	11.3	464.8	20.0	1232.9		
SMDH 00019b	16.0	41.6	87.5	10.2	32.927	6.109	1.15095	4.0	0.3	2.5	0.3	1.4	0.3	1.7	0.3	17.3	3.9	11.1	404.3	27.9	911.2		
SMDH 00019b	15.1	42.7	112.1	10.7	36.1733	6.109	1.15095	4.0	0.6	2.2	0.3	1.7	0.3	1.1	0.3	19.2	1.5	18.8	842.0	32.9	2070.8	0.7	
SMDH 00019b	9.0	33.9	89.0	8.4	25.8547	4.8411	1.38114	3.4	0.3	1.6	0.3	0.8	0.3	0.8	0.3	14.8	0.9	17.5	797.9	35.8	2148.1		
SMDH 00019b	30.3	75.4	208.7	19.3	59.5932	11.4112	1.26605	7.1	0.9	4.4	0.9	2.9	0.3	1.9	0.3	33.7	2.0	12.0	498.3	21.5	1189.9		1.4
SMDH 00019	27.6	79.5	244.4	22.0	73.5061	14.6386	1.26605	9.2	1.3	5.2	0.9	2.7	0.3	1.7	0.3	46.1	5.0	12.7	452.5	17.7	700.8		
SMDH 00019	28.0	112.4	227.5	25.5	88.3464	14.1775	2.07171	9.2	1.1	4.8	0.9	2.5	0.3	1.4	0.3	37.2	1.2	8.8	369.0	18.6	941.1	0.8	
SMDH 00019	11.4	45.0	67.4	9.8	32.3473	5.07163	1.95662	2.9	0.3	1.4	0.3	0.8	0.3	0.3	0.3	8.1	0.6	13.6	373.4	44.3	1343.4		1.6
SMDH 00019	11.9	16.9	36.3	4.3	14.2606	1.72896	1.03586	1.6	0.6	1.1	0.3	0.7	0.3	0.9	0.3	6.5	3.2	15.4	424.4	20.0	1346.9		
SMDH 00019	22.9	70.5	145.5	16.3	56.3469	9.56693	1.15095	5.5	0.8	2.7	0.6	1.0	0.3	1.3	0.3	30.5	0.9	13.0	380.3	12.9	1071.7	0.5	1.6
SMDH 00019	39.0	93.8	199.7	22.5	75.3611	15.5607	1.26605	9.3	1.8	4.1	0.8	1.9	0.3	1.5	0.3	41.7	1.1	12.6	366.5	12.9	1097.2		
SMDH 00019	47.7	106.6	227.5	26.1	93.6796	16.137	1.26605	9.9	1.8	4.9	1.0	2.5	0.3	3.1	0.3	49.7	1.5	16.4	502.8	11.4	1144.1		
SMDH 00019	40.7	93.2	202.5	23.2	80.3465	13.6012	0.92076	8.9	1.4	4.6	0.8	2.1	0.3	2.3	0.3	46.3	1.4	14.5	389.4	10.0	1064.5		1.4
SMDH 00019	37.3	97.8	215.3	23.7	84.0566	15.4454	1.26605	8.0	1.4	4.4	0.8	2.1	0.3	1.9	0.3	47.5	1.2	12.5	369.3	11.4	1046.5	0.6	
SMDH 00018b	36.5	93.3	229.5	22.3	84.0566	13.8317	1.03586	8.8	1.8	4.1	0.8	1.9	0.3	2.0	0.3	41.9	2.1	18.3	508.2	11.4	937.9		
SMDH 00018b	32.8	175.1	540.6	41.7	137.157	26.0497	2.417	16.2	1.8	8.1	1.3	3.3	0.7	3.3	0.3	68.0	2.8	19.1	687.2	21.5	1131.5		1.4
SMDH 00018b	28.1	123.5	387.4	29.9	105.853	17.7507	1.95662	11.8	1.5	6.5	0.9	3.1	0.6	3.1	0.3	51.4	2.4	14.9	557.5	20.0	1125.0		
SMDH 00018b	31.4	102.1	317.4	25.6	82.5494	17.9812	1.72643	11.1	1.3	6.1	1.1	4.8	0.7	3.8	0.6	43.4	2.1	15.0	564.2	18.6	945.1	0.7	
SMDH 00018b	34.7	102.3	332.9	26.3	84.7523	18.0965	1.61133	11.6	1.4	7.0	1.0	4.3	0.6	3.9	0.6	44.6	2.9	13.8	518.0	21.5	915.7		1.5
SMDH 00018b	29.1	96.0	303.6	23.5	78.6074	14.1775	0.92076	9.9	1.2	5.6	1.1	4.6	0.6	3.6	0.3	39.5	2.0	13.4	506.7	18.6	807.8		
SMDH 00018b	21.7	64.6	204.7	16.0	53.1006	9.45167	1.15095	6.1	0.7	3.7	0.7	2.6	0.6	2.7	0.3	25.6	1.3	14.3	525.2	18.6	814.3		
SMDH 00018b	38.4	96.9	295.0	23.2	74.2017	14.1775	1.72643	10.3	1.4	7.4	1.3	4.6	0.7	4.0	0.3	38.0	3.1	15.3	509.0	27.2	827.4	0.6	1.7
SMDH 00018b	37.8	91.2	281.0	21.9	71.9988	13.0249	2.18681	9.2	1.2	6.2	1.4	4.9	0.7	3.9	0.6	37.2	2.2	14.9	590.2	24.3	945.1		
SMDH 00018b	33.8	91.0	263.9	22.7	68.2888	14.408	1.84152	8.1	1.2	6.3	1.3	4.2	0.6	3.3	0.3	28.4	2.0	10.4	379.4	51.5	794.7		
SMDH 00018b	47.4	65.1	143.7	15.3	56.3469	9.3364	1.26605	6.3	1.4	4.6	1.1	2.6	0.3	3.0	0.3	25.8	1.4	11.6	516.0	41.5	940.2		1.6
SMDH 00018b	43.9	70.5	154.6	16.2	53.5644	9.3364	1.49624	7.1	1.3	5.3	0.9	2.5	0.3	2.6	0.3	26.7	1.7	17.2	756.4	57.2	1512.7	0.7	
SMDH 00018b	27.6	66.4	137.2	15.7	52.0571	9.3364	1.26605	5.7	1.1	3.0	0.3	1.3	0.3	1.4	0.3	22.8	1.5	12.5	581.1	60.1	1138.5		
SMDH 00018	37.9	66.2	159.7	15.9	50.5499	9.56693	0.92076	6.5	1.2	4.1	0.7	1.6	0.3	1.8	0.3	28.3	1.8	14.4	645.3	28.6	659.9		1.6
SMDH 00018	30.0	62.3	147.6	14.2	48.5789	9.56693	0.69057	5.3	0.9	3.0	0.6	1.6	0.3	1.5	0.3	26.2	1.5	13.8	617.7	21.5	611.5		
SMDH 00018	26.0	37.6	78.7	8.8	31.5357	5.64795	1.26605	3.0	0.6	2.2	0.3	1.5	0.3	1.3	0.3	14.3	0.9	7.5	333.1	17.2	619.5	0.8	
SMDH 00018	32.8	94.6	198.0	20.7	73.622	10.8348	1.95662	9.1	1.8	3.7	0.8	1.9	0.3	1.9	0.3	35.3	2.7	16.7	780.6	61.5	1355.8		1.5
SMDH 00018	52.0	65.5	139.1	15.1	51.8253	11.2959	1.38114	6.9	1.5	5.7	1.1	3.1	0.6	3.6	0.3	24.8	2.0	14.2	607.9	44.3	909.1		
SMDH 00018	34.2	65.7	138.6	15.1	51.4774	8.52955	1.38114	6.4	1.5	4.2	0.6	1.8	0.3	1.7	0.3	21.8	2.0	12.3	547.1	54.4	1009.8		
SMDH 00018	62.2	76.6	174.2	18.0	65.3903	14.1775	1.61133	8.0	1.1	6.3	1.4	4.5	0.9	6.6	0.8	32.5	2.0	12.5	647.0	45.8	1161.2	0.6	1.3
SMDH 00018	83.9	97.0	216.5	21.7	80.9262	17.4049	1.61133	10.8	1.4	7.6	1.9	6.6	1.1	8.3	1.0	39.9	2.6	13.4	685.3	40.1	1098.1		
SMDH 00018	55.4	81.7	177.4	16.9	63.5352	13.8317	2.07171	8.5	1.2	6.5	1.1	3.8	0.7	5.6	0.6	32.0	2.0	11.4	609.2	48.6	1267.5		
SMDH 00222	37.8	121.0	288.6	26.7	103.651	20.6323	1.61133	11.7	1.5	5.2	1.0	2.6	0.3	3.3	0.3	48.9	2.5	15.7	833.0	40.1	1011.4		1.4
SMDH 00222	22.7	97.9	267.5	24.0	80.4625	13.3707	1.61133	9.5	1.2	5.3	0.8	2.7	0.3	2.0	0.3	37.0	2.6	15.9	663.0	24.3	1017.5	0.5	
SMDH 00222	35.4	96.8	260.7	21.7	84.9841	15.0996	2.07171	10.7	1.5	5.6	1.3	5.2	0.7	3.5	0.7	37.1	3.3	12.4	549.9	28.6	819.9		
SMDH 00222	25.9	109.7	314.1	27.0	87.6508	14.9844	2.07171	10.2	1.4	5.5	0.8	3.0	0.3	2.3	0.3	44.1	3.7	20.5	821.3	37.2	1101.6		1.7
SMDH 00222	10.4	85.3	231.8	21.0	67.5931	10.8348	1.95662	6.0	0.6	2.6	0.3	0.9	0.3	1.1	0.3	33.4	1.5	14.9	567.7	18.6	975.5		
SMDH 00222	25.9	72.9	206.0	18.4	55.6513	8.41429	1.72643	6.4	1.2	5.7	1.0	3.4	0.6	2.6	0.3	27.8	2.6	13.9	500.9	15.7	1438.0	0.6	
SMDH 00222	47.9	30.9	86.0	7.9	31.3038	8.76008	2.5321	7.4	1.3	8.4	1.7	6.8	0.8	4.2	1.0	7.5	1.9	6.8	300.0	21.5	2720.4		1.9
SMDH 00222	21.5	38.8	107.7	8.5	30.8401	5.53268	2.18681	4.5	0.7	3.4	0.8	3.1	0.3	2.2	0.3	11.5	0.7	9.6	387.0	24.3	1227.7		
SMDH 00222	20.4	22.3	55.2	4.8	17.1591	2.53581	0.92076	1.7	0.3	2.7	0.8	3.3	0.3	2.7	0.6	6.0	0.8	14.2	637.6	11.4	735.8		
SMDH 00223	59.6	242.2	643.6	60.2	207.765	34.003	2.30191	26.1	3.1	11.2	2.2	8.2	1.1	5.3	0.8	112.5	6.4	46.2	1792.4	17.2	1097.4	0.9	1.5
SMDH 00223	25.6	52.2	94.4	12.0	44.4051	8.0685	1.03586	4.0	0.9	3.6	0.3	1.1	0.3	1.1	0.3	19.5	0.8	12.1	447.0	35.8	655.5		
SMDH 00223	24.6	72.5	142.0	18.1	66.5497	12.1027	1.49624	7.4	1.2	5.0	0.3	1.1	0.3	1.3	0.3	29.6	1.2	11.4	486.6	35.8	897.2		
SMDH 00223	29.1	58.6	123.4	14.8	48.463	9.91272	1.03586	6.9	1.2	4.9	0.7	1.5	0.3	1.6	0.3	27.9	1.4	9.7	386.7	12.9	525.3		1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00223	42.3	78.5	158.1	18.1	63.7671	11.9875	0.92076	7.4	1.5	6.3	0.8	2.3	0.3	2.4	0.3	32.4	1.5	13.7	541.4	17.2	832.0		
SMDH 00223	37.3	71.2	143.4	17.5	54.7238	11.5264	0.80567	7.7	1.4	6.4	0.8	2.2	0.3	2.0	0.3	31.0	2.0	11.1	445.0	15.7	790.2		1.6
SMDH 00223	22.7	65.4	141.2	15.7	50.2021	11.1806	1.26605	5.5	0.8	3.9	0.3	1.3	0.3	0.9	0.3	32.6	0.9	16.3	660.8	20.0	1087.8		
SMDH 00223	41.7	78.4	159.7	17.3	62.9555	11.8722	1.15095	6.2	1.3	6.1	0.9	2.5	0.3	2.7	0.3	34.4	1.1	13.1	542.3	18.6	832.0	0.7	
SMDH 00223	46.9	93.5	190.5	21.1	79.3031	12.218	1.26605	7.9	1.4	6.8	0.9	2.7	0.6	2.8	0.3	42.5	1.4	16.5	684.5	20.0	1134.3		1.5
SMDH 00224	10.8	41.0	138.2	10.6	33.2748	5.87848	0.57548	3.8	0.3	2.2	0.6	1.4	0.3	1.1	0.3	20.7	0.9	8.5	386.3	7.2	536.3		
SMDH 00224	13.3	30.9	91.7	7.8	25.5068	4.14951	1.72643	3.2	0.3	2.3	0.3	1.5	0.3	1.5	0.3	10.0	0.6	3.3	167.1	11.4	728.6		
SMDH 00224	12.5	25.0	80.7	6.4	20.6373	3.11213	1.26605	2.5	0.3	1.9	0.3	1.7	0.3	1.1	0.3	10.1	1.1	10.0	497.2	12.9	913.3	0.7	1.6
SMDH 00224	16.9	24.1	69.4	5.8	19.5939	2.53581	1.15095	2.7	0.3	2.5	0.6	2.4	0.3	2.2	0.3	8.3	0.8	11.0	495.6	14.3	839.5		
SMDH 00224	5.7	16.4	42.6	3.4	10.5506	1.49844	0.80567	1.3	0.3	1.0	0.3	0.6	0.3	1.0	0.3	3.6	0.6	10.3	497.1	20.0	795.1		
SMDH 00224	7.0	16.0	45.5	3.6	11.1303	1.15264	1.03586	1.4	0.3	1.3	0.3	0.9	0.3	0.8	0.3	5.0	0.6	11.6	537.8	14.3	880.2		1.7
SMDH 00224	27.6	18.8	57.3	4.7	15.7679	2.53581	1.26605	2.7	0.6	3.4	1.0	3.5	0.3	2.8	0.3	6.7	0.8	12.3	568.0	12.9	1054.0	0.6	
SMDH 00224	30.9	21.8	68.1	5.4	17.6229	2.99687	1.26605	3.0	0.6	4.1	1.3	3.9	0.3	3.9	0.3	7.6	0.7	11.9	535.9	18.6	902.4		
SMDH 00224	19.3	17.2	51.6	4.0	12.0578	1.72896	1.15095	1.7	0.3	2.4	0.6	2.2	0.3	2.2	0.3	6.0	0.8	11.1	545.6	12.9	954.0		1.7
SMDH 00224	11.9	14.9	29.6	3.2	8.92739	1.6137	1.15095	1.8	0.3	2.6	0.7	2.1	0.3	1.9	0.3	3.2	0.8	16.3	789.3	14.3	1142.0		
SMDH 00225	30.5	116.7	255.3	29.7	85.6798	16.2523	2.07171	14.3	1.5	9.0	1.6	4.5	0.3	3.3	0.6	43.0	2.9	16.6	819.4	18.6	928.5	1.1	
SMDH 00225	25.1	106.4	231.7	26.1	78.1437	15.3301	1.72643	11.9	1.4	6.6	1.5	4.0	0.3	2.5	0.3	38.4	2.1	12.7	648.5	22.9	928.5		1.7
SMDH 00225	175.8	5742.6	7812.4	1184.0	3261.16	501.63	130.173	275.3	23.1	93.9	13.1	27.4	2.2	9.1	1.4	309.5	11.1	22.4	1366.1	2313.1	4927.3		
SMDH 00225	25.3	147.1	299.5	36.6	105.274	20.7476	2.76229	14.9	1.3	7.7	1.4	3.1	0.3	1.9	0.3	47.9	1.9	14.9	807.2	41.5	1238.0		
SMDH 00225	33.8	135.4	299.1	34.7	103.071	20.6323	1.72643	17.1	1.8	10.1	1.9	5.8	0.8	5.3	0.6	51.7	2.4	14.3	757.0	27.2	1244.3	0.6	1.4
SMDH 00225	37.1	147.5	326.0	38.7	114.781	19.0186	1.95662	17.5	1.8	9.4	2.2	5.0	0.8	4.3	0.7	58.3	2.6	15.3	770.8	25.7	1259.8		
SMDH 00225	23.2	125.8	277.8	32.2	102.143	17.7507	2.30191	15.2	1.4	8.1	1.4	3.2	0.3	2.2	0.3	48.9	2.0	13.3	672.2	24.3	1108.2		
SMDH 00225	28.0	130.3	289.6	32.2	98.2013	19.1339	2.07171	15.5	1.6	7.6	1.5	4.1	0.6	2.5	0.3	51.2	1.8	15.0	751.2	22.9	1145.3		1.5
SMDH 00225	43.1	128.5	316.9	32.1	119.766	19.4797	2.64719	14.1	1.4	11.5	1.4	8.8	0.8	3.3	0.8	46.4	2.0	15.4	1048.2	30.0	1260.0	0.5	
SMDH 00225	30.4	140.4	351.5	37.7	125.099	19.9407	2.87738	17.2	1.8	10.1	1.0	5.5	0.3	2.3	0.3	57.9	2.1	17.6	1086.3	30.0	1434.0		
SMDH 00225	32.8	127.0	317.8	32.2	112.694	20.6323	2.417	13.9	1.4	9.5	1.1	6.3	0.6	2.3	0.6	47.5	2.4	20.6	1286.9	28.6	1427.0		1.6
SMDH 00225	32.6	106.8	270.5	29.1	103.419	17.9812	2.30191	14.4	1.5	7.9	1.3	8.2	0.6	3.8	0.8	41.6	1.7	17.9	1232.9	31.5	1437.5		
SMDH 00226	37.9	124.9	483.5	38.3	123.824	22.3613	1.26605	15.0	2.0	9.2	1.6	4.8	0.3	3.9	0.7	64.8	2.8	20.5	1132.5	22.9	916.8	1.0	
SMDH 00226	36.4	103.0	374.8	30.9	93.3318	17.6354	1.95662	11.5	1.5	8.1	1.5	4.2	0.3	3.2	0.3	43.2	2.6	12.6	744.7	22.9	995.8		1.5
SMDH 00226	39.3	86.8	326.0	25.1	79.6509	15.6759	1.49624	9.5	1.6	7.2	1.6	3.8	0.7	3.9	0.3	37.8	2.9	10.1	588.0	22.9	986.9		
SMDH 00226	25.5	60.7	224.9	18.6	56.5788	10.9501	0.92076	7.1	1.1	5.5	1.0	2.9	0.3	2.8	0.3	26.9	1.9	8.4	443.1	14.3	645.4		
SMDH 00226	32.8	74.2	277.8	21.9	73.3901	12.9096	1.38114	8.4	1.3	6.2	1.0	3.5	0.6	3.1	0.3	32.4	2.1	11.7	675.9	17.2	805.9	0.6	1.4
SMDH 00226	26.7	69.0	265.2	20.5	58.086	12.4485	1.15095	7.3	0.9	5.2	0.9	2.6	0.3	2.8	0.3	31.3	1.5	11.0	668.4	20.0	797.2		
SMDH 00226	28.5	79.3	306.0	24.5	84.0566	14.9844	1.15095	9.5	1.4	5.4	1.0	2.6	0.3	2.7	0.3	37.8	1.7	13.0	766.4	17.2	902.4		
SMDH 00226	32.3	76.5	299.0	23.3	73.1582	14.0622	1.15095	8.6	1.4	6.9	1.3	3.1	0.3	3.0	0.3	34.3	1.5	9.7	545.6	17.2	861.5		1.4
SMDH 00226	41.3	72.3	274.0	22.1	69.796	13.947	1.26605	8.6	1.3	8.0	1.5	4.8	0.7	4.5	0.6	32.7	1.5	10.3	586.9	17.2	833.7	0.6	
SMDH 00226	74.6	100.7	201.5	23.7	81.2741	14.9844	1.61133	10.1	2.2	8.9	1.4	5.2	0.6	3.1	0.3	37.7	1.9	10.1	454.9	27.2	878.3		
SMDH 00226	59.4	98.5	203.2	23.4	83.4769	13.7164	1.49624	11.0	2.1	7.0	1.3	4.3	0.3	2.7	0.3	40.0	1.8	10.5	451.4	27.2	930.9		1.4
SMDH 00226	68.3	120.4	234.6	27.3	96.1144	16.7133	1.49624	11.5	2.7	7.9	1.4	4.8	0.7	3.0	0.3	45.2	2.0	11.2	473.3	35.8	990.2		
SMDH 00226	21.4	54.1	106.1	11.6	40.2312	6.57006	1.61133	4.7	0.7	2.6	0.3	1.7	0.3	1.3	0.3	19.1	0.9	8.5	379.0	20.0	871.3	0.2	
SMDH 00227	36.4	145.6	321.3	36.7	126.607	21.4391	1.72643	12.9	1.5	7.2	1.1	3.0	0.3	2.6	0.3	65.5	5.7	6.2	268.0	32.8	671.1		1.6
SMDH 00227	21.9	68.2	125.6	14.2	50.2021	9.10587	0.92076	5.6	0.9	2.7	0.6	1.9	0.3	0.9	0.3	24.4	0.8	6.4	283.8	18.6	678.8		
SMDH 00227	22.9	50.0	95.4	10.8	41.0428	6.68533	1.15095	4.4	0.9	2.5	0.6	2.1	0.3	1.3	0.3	18.5	0.9	7.2	321.1	18.6	612.5	0.7	1.6
SMDH 00227	14.1	71.1	142.3	15.9	57.9701	9.91272	0.80567	4.7	1.1	2.3	0.3	1.0	0.3	0.3	0.3	29.6	0.9	8.1	318.5	8.6	538.9		
SMDH 00227	22.2	89.1	178.1	20.8	71.651	10.8348	1.03586	6.5	1.4	2.6	0.6	1.3	0.3	0.8	0.3	37.4	1.1	9.8	422.9	11.4	507.4		
SMDH 00227	22.2	115.2	356.7	26.4	94.955	17.0591	1.72643	8.7	1.5	6.2	1.1	3.7	0.3	2.7	0.3	57.3	1.5	11.2	392.9	8.6	762.4		1.6
SMDH 00227	12.9	93.0	299.1	21.0	73.622	14.6386	1.49624	6.1	0.8	4.2	0.8	1.5	0.3	1.7	0.3	48.4	1.4	11.1	432.9	8.6	654.1	0.5	
SMDH 00227	28.0	118.9	371.4	26.9	102.375	17.5202	1.72643	8.6	1.6	6.3	1.5	4.8	0.3	4.1	0.3	60.2	1.3	13.1	455.9	12.9	934.4		
SMDH 00227	32.1	113.4	356.2	26.5	105.274	18.9033	1.84152	8.9	1.8	7.8	1.5	5.8	0.6	4.8	0.6	56.8	1.4	9.0	347.7	12.9	728.8		1.6
SMDH 00227	25.7	85.2	260.8	19.7	70.2597	14.0622	1.61133	6.3	1.3	5.0	1.1	4.5	0.3	4.4	0.3	42.7	1.3	8.3	317.6	10.0	594.3		
SMDH 00228	53.0	229.4	422.5	47.2	179.707	27.0871	2.5321	15.1	1.8	9.2	1.8	4.6	0.8	5.8	0.7	66.4	6.0	13.9	402.3	45.8	856.6		
SMDH 00228	26.9	83.6	236.1	19.1	68.0569	12.6791	2.18681	7.4	1.3	6.4	1.1	4.2	0.3	3.3	0.3	37.0	2.6	16.3	626.9	28.6	1300.6		1.5
SMDH 00228	13.6	23.3	57.0	5.2	18.2026	3.68846	1.38114	2.5	0.3	2.7	0.6	2.1	0.3	1.9	0.3	8.3	1.4	15.9	628.1	21.5	1091.3		
SMDH 00228	25.0	56.5	177.1	13.1	45.2167	9.56693	1.15095	4.4	0.9	5.3	1.1	3.7	0.3	2.8	0.3	26.3	1.5	10.1	340.5	11.4	627.9		
SMDH 00228	25.3	79.1	233.2	17.8	64.8105	12.5638	1.38114	5.2	1.3	6.0	1.3	4.6	0.3	4.0	0.3	34.9	1.7	10.7	381.3	11.4	859.6	0.6	1.5
SMDH 00228	7.1	18.8	53.6	3.6	14.6085	1.6137	0.92076	1.1	0.3	1.9	0.3	0.7	0.3	0.7	0.3	7.6	0.6	5.8	354.2	12.9	714.8		
SMDH 00228	7.0	17.0	45.8	3.5	12.7534	1.26791	1.26605	0.9	0.3	0.7	0.3	0.7	0.3	0.3	0.3	5.9	0.6	7.2	390.8	14.3	714.8		
SMDH 00229	20.5	101.3	270.0	18.6	68.4047	11.1806	0.28774	6.3	0.7	4.7	0.8	2.1	0.3	1.7	0.3	49.1	2.1	10.5	528.3	12.9	775.5		1.5
SMDH 00229	39.2	191.3	525.6	40.6	139.592	21.9002	1.61133	10.9	1.4	9.0	1.1	3.1	0.3	2.4	0.3	92.9	3.1	14.4	780.0	27.2	1457.6	0.8	
SMDH 00229	9.1	50.2	128.0	9.5	34.782	4.49531	1.03586	2.5	0.3	1.7	0.3	0.7	0.3	0.8	0.3	20.3	1.1	5.2	305.4	12.9	903.8		
SMDH 00229	9.1	28.4	68.4	6.0	17.507	3.11213	1.49624	1.8	0.3	1.4	0.3	0.8	0.3	1.1	0.3	10.0	1.3	7.7	451.6	15.7	1074.5		1.3
SMDH 00229	5.6	22.5	59.9	4.8	15.7679	1.84423	0.92076	1.6	0.3	1.1	0.3	0.3	0.3	0.6	0.3	8.6	1.2	10.1	482.1	10.0	728.8		
SMDH 00229	5.6	11.1	28.1	2.2	6.60859	1.49844	0.92076	0.9	0.3	0.3	0.3	0.3	0.3	0.6	0.3	3.1	0.3	5.4	312.8	8.6	602.7	0.7	
SMDH 00229	5.8	30.7	81.6	6.0	20.6373	3.45793	0.92076	1.7	0.3	1.4	0.3	0.7	0.3	0.6	0.3	12.7	0.3	6.6	378.2	10.0	719.5		1.6
SMDH 00229	8.5	41.8	133.1	10.1	33.6226	5.07163	1.95662	3.7	0.3	1.9	0.3	1.1	0.3	1.1	0.3	15.2	0.9	9.3	370.5	14.3	848.2		
SMDH 00229	22.1	107.1	325.4	26.1	88.9261	13.1401	1.49624	9.7	1.1	4.8	0.8	2.2	0.3	1.6	0.3	41.5	2.2	9.6	483.6	25.7	1036.2		
SMDH 00229	19.0	69.5	225.5	18.4	62.7236	10.028	1.26605	7.1	0.7	3.9	0.7	2.4	0.3	1.5	0.3	34.3	1.7	9.9	433.6	18.6	844.9	0.6	1.4
SMDH 00229	30.3	109.3	362.4	27.3	90.2014	16.137	1.72643	11.0	1.2	6.5	0.9	3.2	0.3	2.0	0.3	49.6	1.9	8.0	409.4	22.9	1008.6		
SMDH 00229	37.6	106.4	349.5	27.5	90.7811	16.2523	1.72643	10.8	1.2	7.0	1.1	4.0	0.3	2.8	0.7	47.7	1.8	9.7	495.9	24.3	1121.7		
SMDH 00229	33.6	103.9	350.3	26.3	87.3029	13.7164	1.84152	9.9	1.1	6.4	1.0	4.1	0.3	3.2	0.6	47.1	1.9	9.1	490.2	20.0	1018.7		1.6
SMDH 00229	37.9	128.1	430.4	33.3	120.114	17.7507	1.61133	11.8	1.4	7.0	1.3	5.4	0.3	3.4	0.6	64.0	1.9	9.9	494.9	17.2	1095.1	0.6	

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00229	36.2	113.9	385.8	30.4	100.868	16.4828	1.26605	11.5	1.2	6.8	1.1	4.6	0.3	3.3	0.3	55.2	1.7	8.0	411.6	18.6	1068.4		
SMDH 00229	39.7	114.8	401.0	30.7	105.506	18.7881	1.49624	11.7	1.3	7.8	1.4	5.0	0.6	3.9	0.7	59.1	1.7	9.3	473.5	21.5	1085.3		1.3
SMDH 00230	28.6	91.1	306.3	24.6	83.245	15.3301	1.15095	9.5	1.2	5.5	0.8	3.2	0.3	2.2	0.3	45.2	2.6	10.8	541.0	12.9	875.5		
SMDH 00230	23.3	73.4	237.4	19.7	64.8105	14.0622	1.61133	8.4	1.1	4.7	0.8	2.4	0.3	1.6	0.3	33.6	1.7	6.3	331.1	15.7	762.2	0.8	
SMDH 00230	45.2	96.4	281.3	25.6	87.0711	15.3301	3.33776	11.1	1.4	8.2	1.7	5.4	0.3	3.8	0.8	35.9	1.7	7.0	373.8	18.6	772.2		1.4
SMDH 00230	51.7	79.2	163.1	19.8	69.3322	12.5638	1.26605	8.8	2.1	5.4	1.1	2.2	0.3	2.3	0.3	38.2	1.7	12.5	522.4	22.9	967.5		
SMDH 00230	46.0	78.9	168.3	19.3	66.6656	11.5264	1.61133	7.8	1.6	4.9	1.0	2.3	0.3	2.4	0.3	39.3	1.8	12.1	474.9	20.0	726.5		
SMDH 00230	64.4	99.0	219.6	24.6	87.187	17.2896	1.84152	9.9	2.1	6.9	1.6	3.2	0.3	3.1	0.7	49.5	2.7	11.9	516.5	28.6	719.9	0.6	1.4
SMDH 00230	51.7	77.0	167.4	19.2	69.5641	12.1027	1.38114	8.4	1.6	5.6	1.1	2.7	0.3	2.5	0.3	37.2	2.1	11.7	417.8	18.6	716.9		
SMDH 00230	35.1	62.7	138.6	15.7	57.5063	11.0654	1.15095	7.1	1.4	4.0	0.8	1.4	0.3	1.1	0.3	32.0	2.0	12.1	693.6	24.3	877.6		1.3
SMDH 00230	49.6	59.4	130.9	15.6	50.5499	10.6043	1.26605	7.1	1.6	5.2	1.0	2.2	0.3	2.2	0.3	28.7	2.0	11.8	496.8	25.7	938.6	0.6	
SMDH 00230	45.1	56.7	118.8	14.9	50.0861	8.41429	1.38114	6.3	1.2	4.7	1.1	1.9	0.3	2.2	0.3	24.2	1.7	11.7	520.1	30.0	864.8		
SMDH 00230	80.2	74.7	161.0	18.1	65.1584	11.4112	1.49624	9.1	2.0	8.4	1.9	4.3	0.8	4.4	0.8	34.4	2.4	11.4	519.1	22.9	893.7		1.4
SMDH 00230	19.3	51.2	161.7	13.0	42.7819	8.0685	1.15095	4.8	0.9	3.6	0.7	1.9	0.3	2.0	0.3	25.6	1.7	11.2	450.8	24.3	1184.8		
SMDH 00230	26.6	83.3	276.4	21.6	71.1873	13.8317	1.61133	8.9	1.3	5.2	0.9	3.2	0.3	2.5	0.3	43.0	2.1	9.1	401.1	21.5	1057.7	0.5	
SMDH 00230	34.1	104.1	336.3	26.4	92.984	16.9438	1.72643	11.0	1.8	7.0	1.4	3.7	0.6	3.1	0.6	55.2	2.7	8.5	370.0	27.2	1128.7		1.2
SMDH 00230	33.0	100.7	308.7	25.6	81.9697	16.5981	2.07171	11.0	1.4	7.3	1.1	3.4	0.3	2.6	0.3	48.5	2.5	6.6	300.6	32.9	904.5		
SMDH 00230	34.7	86.6	286.9	22.5	73.0423	14.9844	1.61133	8.8	1.4	6.1	1.3	3.9	0.6	2.6	0.3	45.1	2.7	9.3	419.4	25.7	874.6		
SMDH 00230	36.8	101.5	321.2	24.4	84.4044	17.1744	1.84152	11.6	1.6	8.0	1.1	4.2	0.6	3.2	0.3	54.6	2.6	10.8	476.6	22.9	979.2	0.5	1.5
SMDH 00231	37.1	115.8	371.6	28.2	96.926	17.7507	1.61133	10.3	1.6	7.4	1.1	3.9	0.3	2.8	0.3	55.4	3.2	13.3	552.3	10.0	1083.9		
SMDH 00231	47.5	171.4	536.3	42.3	145.969	29.5076	1.84152	16.7	2.6	9.9	1.7	5.1	0.7	3.6	0.3	79.7	5.3	19.2	855.2	18.6	1210.9		
SMDH 00231	32.6	100.0	364.7	25.6	87.187	16.2523	1.61133	9.6	1.8	6.5	1.0	3.7	0.3	1.7	0.3	49.9	3.2	13.8	620.2	21.5	1177.3		1.5
SMDH 00231	46.1	97.1	195.8	23.2	81.5059	13.2554	1.84152	9.6	2.0	6.3	1.1	1.9	0.3	2.3	0.3	38.6	2.5	9.6	387.0	15.7	795.4	0.8	
SMDH 00231	44.1	80.3	169.3	20.2	66.5497	14.0622	1.72643	8.1	1.6	5.0	1.0	1.9	0.3	2.7	0.3	33.0	2.1	8.0	376.9	14.3	839.1		
SMDH 00231	40.8	74.3	157.0	18.7	61.6802	10.7196	1.84152	7.3	1.8	5.4	1.0	1.9	0.3	2.0	0.3	31.2	2.0	8.4	358.6	14.3	775.1		1.3
SMDH 00231	38.9	72.7	148.5	17.3	67.4772	10.489	1.61133	6.6	1.4	4.6	0.9	2.1	0.3	1.8	0.3	27.9	1.7	6.6	274.6	14.3	778.3		
SMDH 00231	68.8	80.9	169.0	19.9	67.3612	13.6012	1.72643	9.5	1.9	7.4	1.6	3.0	0.7	3.4	0.3	29.6	2.0	12.7	592.1	31.5	1162.6	0.5	
SMDH 00231	94.8	83.5	174.2	20.3	69.68	12.1027	1.38114	10.3	2.6	9.6	1.9	4.3	0.8	4.7	0.8	31.3	2.5	11.3	459.0	24.3	1054.7		1.3
SMDH 00231	82.5	94.0	199.1	24.0	80.1147	13.8317	1.61133	10.3	2.5	9.0	1.7	4.8	0.8	4.3	0.8	37.7	3.2	11.8	488.3	22.9	1014.2		
SMDH 00231	94.0	103.9	219.1	25.2	91.013	16.137	1.84152	11.9	2.7	9.2	2.3	5.2	0.9	5.8	0.6	43.5	3.2	11.0	470.2	22.9	1007.5		
SMDH 00231	57.5	109.7	216.7	26.2	90.4333	13.947	2.18681	11.0	2.2	7.2	1.3	3.1	0.3	3.3	0.3	39.7	2.7	9.7	432.0	35.8	983.9	0.5	1.3
SMDH 00231	19.8	103.3	237.6	21.0	74.2017	13.1401	1.84152	8.8	1.4	4.4	0.8	1.5	0.3	1.0	0.3	41.6	1.9	11.2	509.5	31.5	1106.3		
SMDH 00231	29.7	123.9	291.1	27.6	100.868	17.0591	2.18681	11.8	2.0	6.6	0.9	2.1	0.3	1.6	0.3	52.9	3.1	10.5	498.6	38.6	1188.5		
SMDH 00232	45.6	167.5	395.5	35.3	128.925	21.7849	1.26605	15.5	2.6	8.6	1.6	3.7	0.3	3.9	0.6	72.2	4.0	15.2	692.0	12.9	968.0		1.6
SMDH 00232	53.5	210.0	497.1	44.2	158.606	27.5482	1.49624	18.6	3.1	9.2	1.9	3.9	0.6	3.8	0.6	89.1	4.7	9.3	464.3	17.2	1681.8	0.4	
SMDH 00232	40.9	116.8	427.1	24.1	111.187	18.9033	1.84152	10.9	1.8	7.6	1.5	3.8	0.3	2.0	0.3	74.3	3.9	9.1	383.8	14.3	774.8		
SMDH 00232	29.7	219.8	398.2	31.7	154.084	24.0902	2.76229	10.9	1.4	6.3	1.1	3.2	0.3	1.0	0.3	42.1	1.9	8.6	346.9	21.5	1034.8		1.3
SMDH 00232	20.5	71.9	257.8	14.2	66.7815	10.3738	1.61133	6.3	0.8	4.1	0.9	1.4	0.3	1.0	0.3	42.9	2.4	11.2	473.7	17.2	917.3		
SMDH 00232	19.6	50.6	189.0	10.7	51.5934	7.95323	1.49624	4.2	0.6	3.9	0.7	1.9	0.3	1.4	0.3	32.0	1.7	8.1	338.4	12.9	637.5	0.6	
SMDH 00232	31.4	62.7	223.8	12.9	60.2889	9.6822	1.26605	5.3	1.1	5.2	1.1	3.4	0.3	2.3	0.3	39.1	2.7	10.8	447.2	14.3	742.3		1.4
SMDH 00232	42.8	63.0	227.5	12.6	63.3033	8.87535	1.49624	6.0	1.1	6.4	1.4	4.8	0.6	3.1	0.6	38.8	2.6	12.0	500.3	24.3	819.9		
SMDH 00232	31.7	56.5	201.6	11.0	51.4774	8.76008	1.38114	5.0	1.1	4.8	1.3	3.5	0.3	2.0	0.3	33.6	2.5	8.3	373.2	15.7	599.9		
SMDH 00232	32.4	53.0	190.4	10.3	52.289	8.87535	1.95662	4.8	0.8	5.2	1.1	3.8	0.3	2.5	0.6	30.4	2.6	9.8	416.2	22.9	674.8	0.5	1.4
SMDH 00232	35.9	57.5	213.1	11.4	58.8976	9.79746	1.26605	5.2	1.1	5.6	1.3	3.9	0.6	3.0	0.6	35.3	2.5	10.8	462.5	18.6	757.3		
SMDH 00232	44.2	95.8	201.3	24.0	81.1581	12.3333	1.95662	9.9	2.1	7.2	1.5	3.1	0.6	2.8	0.3	37.8	2.9	13.4	666.9	27.2	1026.6		
SMDH 00232	43.7	76.9	166.2	19.6	73.5061	10.489	1.49624	8.8	1.9	6.6	1.3	3.0	0.7	3.8	0.3	31.6	2.5	10.0	490.2	24.3	771.8		1.5
SMDH 00233	27.9	81.7	176.4	19.8	71.5351	10.3738	1.15095	8.4	1.9	4.4	0.8	2.3	0.3	2.4	0.3	33.0	2.0	9.1	455.9	20.0	796.8	0.8	
SMDH 00233	23.7	75.5	160.0	18.5	67.825	11.0654	1.15095	7.3	1.5	4.6	0.8	2.2	0.3	1.8	0.3	30.1	2.0	9.2	407.7	25.7	829.2		
SMDH 00233	19.3	81.6	171.9	20.3	70.2597	9.79746	1.49624	7.6	1.5	3.2	0.6	1.3	0.3	1.3	0.3	32.7	2.0	8.3	430.0	18.6	926.0		1.3
SMDH 00233	22.4	80.2	175.4	20.7	67.3612	12.1027	1.15095	8.4	1.4	4.0	0.6	1.6	0.3	1.5	0.3	34.0	2.2	9.0	423.2	18.6	865.0	0.6	
SMDH 00233	25.5	91.6	185.9	21.7	74.8973	12.5638	1.61133	8.8	2.1	4.8	0.7	1.8	0.3	1.5	0.3	34.9	2.7	9.1	450.5	44.3	811.3		1.3
SMDH 00233	26.7	68.9	145.4	16.1	58.3179	9.3364	1.61133	8.2	1.5	5.3	0.8	1.9	0.3	1.6	0.3	26.9	2.4	11.4	485.3	31.5	764.5		
SMDH 00233	37.9	59.8	189.4	15.0	48.463	10.1433	1.26605	7.4	1.1	5.3	0.8	3.5	0.3	2.5	0.3	30.7	2.4	8.0	383.8	20.0	856.1		
SMDH 00233	28.0	66.4	207.4	15.9	56.115	9.56693	1.15095	7.6	0.9	4.4	0.7	2.5	0.3	1.9	0.3	32.4	1.9	6.3	330.4	18.6	934.4	0.5	1.3
SMDH 00233	21.4	58.0	181.1	14.2	46.1442	9.45167	1.15095	6.5	0.8	4.1	0.3	1.9	0.3	1.3	0.3	29.0	1.8	6.0	308.5	15.7	767.3		
SMDH 00233	19.1	69.2	205.4	15.9	55.4194	12.3333	1.49624	8.1	0.8	3.4	0.6	1.1	0.3	0.9	0.3	32.5	2.0	7.1	328.8	21.5	877.6		
SMDH 00233	17.9	61.5	185.4	14.2	49.9702	8.52955	1.03586	6.2	0.9	3.6	0.3	1.6	0.3	1.0	0.3	30.4	1.8	6.5	312.3	14.3	721.1		1.3
SMDH 00233	16.7	71.1	213.9	15.0	50.7818	9.6822	1.03586	6.8	0.7	3.2	0.3	1.5	0.3	0.8	0.3	36.1	1.5	6.0	296.1	12.9	728.3	0.6	
SMDH 00233	24.6	90.3	261.3	20.3	67.1294	12.218	1.72643	7.1	1.1	4.5	0.8	1.9	0.3	1.5	0.3	37.7	1.9	8.1	407.1	25.7	923.6		
SMDH 00233	45.0	72.9	221.5	16.6	58.7817	10.9501	1.15095	7.6	1.1	6.6	1.1	4.1	0.3	2.5	0.3	35.4	2.4	6.1	333.5	14.3	934.4		1.3
SMDH 00233	19.5	50.8	152.2	12.0	42.7819	6.80059	0.80567	5.3	0.7	3.2	0.6	1.7	0.3	1.3	0.3	23.6	1.5	5.7	311.0	11.4	742.6		
SMDH 00233	16.0	26.7	52.3	5.8	21.9127	3.45793	2.18681	3.4	0.3	1.5	0.3	0.9	0.3	0.9	0.3	8.3	1.1	11.9	445.4	15.7	877.6	0.5	
SMDH 00233	40.8	67.9	149.1	17.3	60.5208	9.10587	0.80567	8.0	1.6	5.2	0.8	1.8	0.3	1.9	0.3	30.4	2.0	12.6	535.6	15.7	808.5		1.5
SMDH 00233	15.5	56.0	117.7	13.5	46.7239	9.45167	0.92076	5.6	1.1	2.3	0.3	0.8	0.3	0.8	0.3	23.1	1.9	12.7	524.5	14.3	786.7		
SMDH 00234	52.3	113.6	229.4	27.0	97.9694	17.5202	1.15095	13.1	2.8	5.8	1.1	2.7	0.3	2.4	0.3	47.2	3.8	19.5	797.8	12.9	501.5		
SMDH 00234	45.4	119.9	252.3	29.5	103.419	18.2117	0.92076	13.9	2.8	6.4	1.0	2.3	0.3	2.0	0.3	52.9	3.7	14.6	565.0	11.4	613.9	0.6	1.4
SMDH 00234	28.4	100.0	218.7	28.3	96.926	13.4859	1.61133	9.2	1.8	3.7	0.8	1.3	0.3	1.0	0.3	40.2	1.9	8.6	349.0	15.7	736.7		
SMDH 00234	22.3	72.0	146.5	16.3	57.7382	8.64482	1.95662	6.0	1.2	3.1	0.6	1.1	0.3	0.9	0.3	29.1	1.3	9.6	399.4	11.4	566.5		
SMDH 00234	28.3	103.4	210.4	25.5	87.6508	13.8317	2.18681	9.5	1.8	4.5	0.7	1.5	0.3	1.1	0.3	41.9	1.1	5.0	216.8	14.3	272.4		1.6
SMDH 00234	14.3	44.9	89.4	10.4	36.0574	6.33953	1.95662	3.8	0.9	2.3	0.3	0.8	0.3	0.7	0.3	17.5	0.8	5.5	225.7	15.7	354.6	0.6	
SMDH 00234	13.8	43.4	88.3	11.4	42.3182	6.109	0.80567	3.7	0.7	1.7	0.3	0.7	0.3	0.6	0.3	17.4	1.1	9.7	406.9	14.3	686.8		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00234	31.7	94.9	189.6	24.5	88.6942	10.489	1.38114	8.1	1.5	4.2	0.8	2.3	0.3	2.4	0.3	37.8	2.7	8.5	347.2	17.2	883.0		1.3
SMDH 00234	32.8	83.6	169.3	22.3	77.3321	10.489	1.03586	7.4	1.8	4.4	0.8	2.3	0.3	2.4	0.3	34.6	3.1	6.7	331.2	15.7	768.5		
SMDH 00234	32.3	91.2	184.3	24.3	86.4914	11.5264	1.38114	8.2	1.5	4.2	0.8	1.9	0.3	1.8	0.3	37.8	3.3	7.7	305.7	15.7	821.8	0.6	
SMDH 00234	20.4	73.3	251.5	16.9	63.883	11.0654	1.61133	7.0	0.9	4.0	0.6	1.6	0.3	0.9	0.3	27.6	2.7	5.3	226.3	21.5	503.6		1.3
SMDH 00234	13.4	34.4	114.7	8.2	33.0429	4.72583	1.38114	3.3	0.3	2.4	0.3	1.6	0.3	1.3	0.3	12.2	1.4	5.3	229.8	12.9	527.0		
SMDH 00234	12.7	65.5	235.0	15.4	64.8105	8.87535	1.61133	7.1	0.8	3.4	0.3	0.9	0.3	0.8	0.3	24.0	1.7	6.3	280.3	14.3	735.6		
SMDH 00234	11.5	55.3	189.7	13.1	51.7093	9.22114	1.38114	6.0	0.7	3.3	0.3	1.4	0.3	0.7	0.3	19.3	1.8	7.7	336.9	20.0	655.2	0.6	1.3
SMDH 00234	16.5	56.0	199.6	13.8	53.7962	8.0685	1.03586	6.9	0.6	3.4	0.6	1.8	0.3	1.1	0.3	20.7	1.8	6.0	257.1	14.3	548.2		
SMDH 00235	13.4	42.3	142.2	9.1	36.1733	5.87848	0.57548	4.6	0.3	3.2	0.6	1.5	0.3	1.1	0.3	15.6	2.0	3.8	174.0	12.9	502.9		
SMDH 00235	31.1	46.4	152.2	11.0	42.3182	6.22427	0.92076	5.8	0.8	5.2	0.9	3.5	0.6	2.8	0.3	15.2	3.5	7.7	370.4	17.2	542.9		1.3
SMDH 00235	32.2	50.0	169.3	10.6	43.3616	7.37691	1.26605	6.4	0.8	5.6	1.0	4.1	0.3	3.2	0.3	16.5	3.4	7.3	320.5	14.3	438.7	0.7	
SMDH 00235	41.1	42.8	152.8	10.4	38.6081	7.49218	1.38114	5.4	0.9	6.0	1.3	5.1	0.6	5.1	0.7	14.6	3.1	7.0	319.7	11.4	377.2		
SMDH 00235	41.6	62.3	155.4	12.5	46.3761	8.29903	1.03586	5.6	1.5	5.5	1.0	2.5	0.3	2.5	0.3	19.4	3.4	9.8	384.0	22.9	647.0		1.6
SMDH 00235	41.3	54.6	135.1	11.2	39.7675	6.4548	1.03586	5.3	1.3	5.0	1.0	2.7	0.3	2.7	0.6	16.6	3.2	6.7	304.7	15.7	494.5		
SMDH 00235	49.8	58.8	146.2	11.9	38.9559	7.26165	1.38114	5.5	1.5	5.4	1.1	3.5	0.7	3.1	0.6	18.5	3.5	6.4	280.0	17.2	501.3	0.6	
SMDH 00235	52.6	62.7	159.9	13.2	47.1876	7.7227	1.15095	6.0	1.5	5.6	1.0	2.9	0.6	3.5	0.3	20.0	3.9	12.6	551.7	14.3	575.8		1.7
SMDH 00235	41.6	40.6	83.7	9.6	31.3038	6.109	1.15095	4.0	0.7	4.8	1.3	4.8	0.9	8.0	1.0	13.2	4.4	34.1	179.0	16.2	389.6		
SMDH 00236	85.9	99.8	244.8	21.3	69.68	14.6386	1.84152	10.2	2.2	9.2	2.2	5.5	1.0	5.7	1.0	31.3	2.8	13.4	602.7	34.3	823.2		
SMDH 00236	126.4	46.8	130.2	9.7	31.4198	5.41742	1.61133	6.0	1.9	10.9	3.0	9.0	1.7	8.9	1.1	17.3	1.4	9.0	387.7	22.9	1043.2		
SMDH 00236	209.5	43.5	109.5	9.7	31.6517	7.03112	1.61133	7.1	3.1	19.4	4.9	13.9	2.7	17.0	3.0	14.9	2.1	20.8	882.9	41.5	1832.5		
SMDH 00236	97.8	39.6	99.4	8.5	26.7822	5.07163	1.72643	4.7	1.8	8.7	2.5	6.7	1.4	7.3	1.0	12.2	1.9	28.1	1173.6	57.2	1873.2		1.5
SMDH 00236	205.6	71.7	214.6	17.1	60.1729	12.4485	1.72643	11.2	2.6	24.9	7.5	25.9	3.8	27.0	3.9	25.4	2.5	19.9	979.6	38.6	1726.7	0.6	
SMDH 00236	23.6	24.9	69.2	6.0	20.4055	3.11213	1.95662	2.6	0.3	3.4	0.9	2.9	0.3	2.3	0.6	9.1	1.7	11.6	498.3	20.0	775.1		
SMDH 00236	22.4	36.8	106.8	8.2	31.8835	4.61057	2.18681	3.9	0.6	3.4	0.8	2.6	0.3	2.8	0.3	12.0	2.4	26.1	1113.6	32.9	1265.6		1.6
SMDH 00236	15.8	39.9	119.9	8.4	31.072	5.76321	2.07171	3.4	0.6	2.3	0.3	1.6	0.3	1.5	0.3	12.6	2.2	29.7	1222.1	40.1	1759.4		
SMDH 00237	15.5	48.0	154.5	10.7	43.3616	7.14638	1.49624	4.8	0.3	3.3	0.7	1.7	0.3	1.3	0.3	20.1	1.5	8.6	365.4	17.2	856.8	0.8	
SMDH 00237	11.7	54.5	163.2	13.3	46.1442	7.03112	0.80567	4.6	0.3	2.7	0.3	1.5	0.3	0.9	0.3	20.4	2.0	11.7	479.5	17.2	889.5		1.4
SMDH 00237	8.0	49.0	121.1	10.2	38.3762	4.72583	1.72643	3.4	0.3	1.5	0.3	0.8	0.3	0.7	0.3	10.3	0.6	3.2	178.7	22.9	735.8		
SMDH 00237	8.1	60.2	144.8	12.1	39.5356	5.76321	2.5321	3.4	0.3	1.4	0.3	0.6	0.3	0.6	0.3	10.8	0.8	4.4	215.2	37.2	448.0		
SMDH 00237	17.9	72.8	210.8	16.8	62.8396	10.3738	1.61133	6.0	0.7	4.0	0.7	2.1	0.3	1.3	0.3	24.2	1.8	9.4	379.3	22.9	690.0	0.7	1.5
SMDH 00237	20.0	104.8	208.9	21.3	76.8683	10.7196	1.03586	7.3	1.6	3.0	0.3	0.8	0.3	0.9	0.3	38.0	2.5	8.5	268.0	18.6	603.6		
SMDH 00237	16.2	50.7	99.2	10.0	43.0138	6.33953	0.80567	4.7	0.9	2.1	0.3	1.0	0.3	1.1	0.3	18.5	1.5	5.8	181.8	14.3	466.0		
SMDH 00237	10.0	64.9	133.4	12.4	48.9267	7.26165	0.92076	5.4	0.9	2.6	0.3	0.6	0.3	0.3	0.3	25.3	1.3	3.3	115.6	8.6	321.9		1.5
SMDH 00237	20.7	64.2	132.6	13.6	48.9267	8.18376	0.80567	5.8	0.9	2.9	0.3	1.3	0.3	1.0	0.3	25.8	2.1	5.5	179.8	11.4	355.1	0.5	
SMDH 00237	20.9	49.7	101.1	10.7	14.3766	5.64795	1.03586	4.4	0.9	3.1	0.3	1.4	0.3	1.3	0.3	19.9	2.2	10.8	277.9	17.2	530.5		
SMDH 00237	8.0	33.7	68.9	6.2	26.4344	4.26478	0.92076	2.6	0.3	1.4	0.3	0.8	0.3	0.3	0.3	12.4	1.3	6.7	219.5	12.9	428.4		1.5
SMDH 00237	6.0	27.0	58.0	5.5	20.6373	3.34266	0.69057	2.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	10.0	1.1	8.0	277.9	21.5	554.8		
SMDH 00237	24.5	109.4	197.0	20.3	81.6219	9.10587	1.61133	8.1	1.5	4.5	0.6	1.4	0.3	1.4	0.3	27.9	2.6	9.0	275.4	48.6	579.3	0.5	
SMDH 00237	13.7	53.9	110.9	10.9	41.0428	6.22427	0.92076	5.3	0.8	2.5	0.3	0.7	0.3	0.6	0.3	21.9	1.9	8.1	265.7	18.6	574.9		1.4
SMDH 00237	32.1	99.0	242.7	20.2	69.4482	12.7943	2.18681	7.8	1.3	3.6	0.7	3.2	0.3	2.4	0.3	20.8	1.3	7.4	346.9	57.2	1102.1		
SMDH 00238	7.0	40.2	97.4	7.9	29.101	5.07163	0.57548	2.6	0.3	1.0	0.3	0.3	0.3	0.3	0.3	11.0	1.2	5.8	275.8	21.5	602.9		
SMDH 00238	26.9	32.6	88.1	7.4	26.2025	6.80059	0.80567	5.2	1.2	3.8	0.6	2.5	0.3	1.6	0.3	7.0	0.9	2.1	77.9	22.9	726.9	0.6	1.4
SMDH 00238	61.0	40.4	82.9	11.4	41.7385	9.45167	1.49624	7.4	1.8	7.4	1.4	3.9	0.3	2.7	0.3	9.2	1.3	7.8	68.6	8.6	387.5		
SMDH 00238	57.5	71.8	162.8	19.9	66.0859	13.0249	1.61133	10.2	2.1	7.4	1.4	3.5	0.6	2.8	0.3	28.0	1.9	4.2	39.0	14.3	537.7		
SMDH 00238	58.0	28.7	63.7	8.3	30.1444	7.83797	1.61133	6.4	1.6	7.1	1.4	4.1	0.6	3.2	0.3	10.8	1.1	5.2	53.6	10.0	443.6		1.5
SMDH 00238	26.6	56.4	119.9	14.8	49.8543	8.18376	1.61133	6.3	1.2	4.0	0.6	1.8	0.3	1.1	0.3	20.9	1.7	10.0	238.4	15.7	730.0	1.2	
SMDH 00238	11.4	43.1	86.0	10.4	34.782	5.87848	1.95662	3.9	0.7	1.9	0.3	0.7	0.3	0.3	0.3	16.0	0.8	8.3	246.1	10.0	604.1		
SMDH 00238	37.3	44.1	94.1	12.5	41.7385	9.45167	1.95662	5.8	1.3	5.0	0.9	2.5	0.3	2.2	0.3	18.7	2.8	10.6	243.8	12.9	1201.4		1.5
SMDH 00238	10.5	35.0	71.3	8.4	28.985	4.8411	2.07171	2.6	0.3	1.6	0.3	0.6	0.3	0.3	0.3	12.9	0.7	7.5	271.2	10.0	593.8		
SMDH 00255	26.0	79.5	133.4	19.3	64.9265	11.2959	3.22267	7.2	1.2	4.1	0.7	1.7	0.3	1.3	0.3	23.2	1.5	6.7	197.4	8.6	464.4	1.6	
SMDH 00255	25.5	50.1	100.3	13.3	44.0573	7.37691	1.84152	5.5	1.2	3.7	0.6	1.5	0.3	1.0	0.3	16.2	1.1	4.2	138.3	7.2	485.4		1.5
SMDH 00255	20.7	106.1	203.9	24.9	85.7957	13.947	2.07171	8.9	1.1	4.0	0.7	1.9	0.3	0.8	0.3	38.6	1.8	7.1	162.1	10.0	633.5		
SMDH 00255	14.2	86.6	165.9	19.3	67.2453	12.1027	2.18681	6.5	0.7	2.6	0.3	1.1	0.3	0.8	0.3	31.6	1.3	5.4	145.3	7.2	506.0		
SMDH 00255	5.1	55.9	102.6	12.1	42.8979	7.7227	1.95662	3.9	0.3	1.5	0.2	0.3	0.3	0.3	0.3	19.2	0.7	3.9	127.5	11.4	374.9	1.0	1.8
SMDH 00255	12.0	100.0	186.8	22.2	77.6799	12.3333	2.07171	7.2	0.7	2.7	0.2	1.0	0.3	0.9	0.3	36.1	1.2	4.6	137.6	14.3	477.0		
SMDH 00255	7.9	82.4	160.6	19.0	63.7671	10.8348	1.95662	5.3	0.3	2.2	0.2	0.6	0.3	0.3	0.3	30.9	0.9	5.2	99.1	5.7	363.9		
SMDH 00254	21.5	111.0	262.5	25.3	86.9551	15.0996	2.76229	8.4	0.9	4.6	0.7	2.1	0.3	1.4	0.3	35.3	1.8	6.6	275.0	14.3	1011.9		1.5
SMDH 00254	27.2	160.1	273.9	35.1	120.578	19.9407	2.99248	12.7	1.3	5.8	0.8	1.9	0.3	1.0	0.3	54.2	2.5	8.0	222.5	10.0	560.6	1.4	
SMDH 00254	23.3	109.9	204.8	23.5	79.9987	13.2554	2.18681	7.4	0.9	4.4	0.6	1.6	0.3	0.9	0.3	39.3	1.8	4.5	191.1	7.2	356.7		1.5
SMDH 00254	17.2	65.4	136.6	15.5	53.3325	9.3364	1.95662	5.2	0.8	2.4	0.3	0.7	0.3	0.3	0.3	25.9	1.2	5.7	233.0	12.9	484.2		
SMDH 00254	11.3	72.5	144.0	16.7	57.9701	8.64482	2.30191	5.6	0.8	1.9	0.3	0.3	0.3	0.3	0.3	26.0	1.3	14.3	426.6	40.1	924.3	1.2	
SMDH 00254	37.6	68.6	138.8	15.7	56.8107	9.91272	1.95662	6.6	1.3	4.2	0.9	2.2	0.3	1.6	0.3	29.3	1.3	8.6	329.3	24.3	765.9		1.5
SMDH 00254	22.7	74.0	151.7	18.1	59.1295	11.0654	1.72643	6.4	1.2	3.6	0.6	1.1	0.3	0.7	0.3	30.4	1.4	7.9	344.0	24.3	981.3		
SMDH 00254	8.7	30.2	60.6	7.0	22.0286	3.57319	2.07171	2.3	0.3	1.3	0.3	0.3	0.3	0.6	0.3	10.2	0.7	6.7	294.3	21.5	861.0		
SMDH 00253	43.3	100.4	207.0	23.9	82.3175	13.4859	1.84152	9.2	1.8	4.9	0.8	1.9	0.3	1.9	0.3	38.2	2.4	13.6	532.5	20.0	965.4	1.9	1.6
SMDH 00253	6.8	11.0	22.4	2.5	8.11581	1.38317	1.26605	0.9	0.3	0.7	0.3	0.2	0.3	0.3	0.3	2.6	0.5	11.2	474.5	17.2	690.0		
SMDH 00253	8.0	42.4	87.9	9.7	35.9414	5.76321	1.49624	3.3	0.3	1.4	0.3	0.3	0.3	0.3	0.3	15.4	0.7	9.9	441.6	20.0	822.9		
SMDH 00253	21.3	78.1	165.9	18.6	66.0859	11.1806	1.49624	5.8	1.1	2.7	0.6	1.3	0.3	1.1	0.3	31.2	1.5	11.8	530.3	21.5	851.4		1.6
SMDH 00253	20.9	64.6	134.3	15.1	54.4919	9.10587	1.38114	5.3	0.8	2.7	0.3	1.7	0.3	1.1	0.3	27.3	1.1	8.3	336.1	15.7	958.2	1.3	
SMDH 00253	20.3	61.8	125.0	13.7	48.6949	7.83797	1.61133	5.0	0.8	2.7	0.3	1.4	0.3	0.8	0.3	23.5	0.8	7.2	304.2	17.2	645.2		
SMDH 00252	43.5	73.9	159.7	16.8	57.9701	11.4112	1.95662	7.3	1.2	5.3	0.9	3.2	0.3	2.5	0.3	26.1	2.7	7.0	333.0	10.0	411.1		1.6

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00252	35.7	65.9	118.1	14.9	51.0137	9.10587	3.33776	6.2	1.1	4.1	0.7	2.6	0.3	1.4	0.3	21.8	2.1	3.7	127.1	8.6	275.4		
SMDH 00252	41.3	60.5	118.9	13.9	47.5355	9.6822	2.5321	6.3	1.2	4.9	0.8	2.9	0.3	2.3	0.3	21.3	2.5	3.4	123.5	14.3	618.8	1.6	
SMDH 00252	25.3	29.6	56.9	6.6	22.0286	4.72583	1.72643	3.7	0.7	2.5	0.6	2.1	0.3	1.3	0.3	10.4	1.3	3.7	82.4	4.3	192.5		1.8
SMDH 00252	19.5	37.9	72.3	7.1	26.6662	6.109	1.49624	3.7	0.3	2.1	0.3	1.1	0.3	0.9	0.3	12.0	1.2	4.1	127.2	4.3	209.5		
SMDH 00252	16.6	32.8	61.5	7.3	24.9271	5.41742	2.18681	3.7	0.6	2.9	0.6	1.0	0.3	0.3	0.3	10.7	4.1	18.3	121.8	9.2	153.2		
SMDH 00251	50.1	152.7	319.1	36.0	125.215	23.1681	1.72643	15.0	2.3	7.2	1.0	2.9	0.3	1.9	0.3	60.5	4.0	9.8	378.5	12.9	573.5	1.6	1.6
SMDH 00251	27.0	126.9	254.7	30.0	102.027	19.8254	1.38114	13.2	1.8	4.9	0.6	1.5	0.3	0.6	0.3	48.0	3.4	9.3	397.9	32.9	1218.6		
SMDH 00251	27.1	126.6	261.6	31.5	110.143	19.4797	1.84152	12.7	2.2	5.0	0.8	1.1	0.3	0.7	0.3	48.0	2.9	10.5	482.2	22.9	1025.0		
SMDH 00251	17.1	60.5	126.0	14.5	49.8543	9.10587	1.72643	5.7	0.9	2.6	0.3	0.7	0.3	0.6	0.3	22.4	1.5	10.7	461.2	20.0	902.1		1.4
SMDH 00251	29.0	37.4	74.9	8.9	32.4632	5.87848	1.38114	4.2	0.9	2.9	0.6	1.4	0.3	1.4	0.3	13.5	1.7	9.8	507.2	24.3	972.0	1.4	
SMDH 00251	31.1	53.9	115.4	13.3	47.5355	8.18376	1.72643	6.5	1.4	4.1	0.7	1.6	0.3	1.4	0.3	19.5	1.5	6.3	347.7	25.7	925.5		
SMDH 00251	25.7	76.7	178.6	19.7	66.0859	11.9875	1.72643	8.6	1.1	4.9	0.9	3.1	0.3	2.4	0.3	31.0	1.9	15.4	301.5	25.7	948.4		1.5
SMDH 00251	13.8	70.1	138.3	16.6	59.1295	10.1433	1.03586	6.6	0.7	2.9	0.6	1.5	0.3	0.9	0.3	24.4	2.2	11.8	312.7	21.5	909.4		
SMDH 00251	13.4	94.0	188.9	23.2	77.6799	13.947	0.92076	9.3	0.8	3.2	0.6	1.1	0.3	0.7	0.3	35.7	2.7	11.2	344.5	25.7	1002.1	1.6	
SMDH 00251	12.5	90.1	184.7	22.0	73.0423	14.5233	0.80567	8.8	0.8	3.4	0.3	1.3	0.3	0.6	0.3	34.5	2.4	11.2	361.3	24.3	1005.1		1.3
SMDH 00251	18.1	83.1	170.3	20.5	66.0859	13.2554	1.26605	7.9	0.9	3.6	0.7	2.1	0.3	1.3	0.3	31.7	2.6	9.6	358.6	22.9	846.5		
SMDH 00251	16.0	75.0	153.4	18.6	61.4483	10.9501	0.80567	7.3	0.8	3.3	0.6	1.6	0.3	1.3	0.3	30.9	2.6	11.6	452.7	25.7	966.4		
SMDH 00251	18.0	55.0	111.3	13.5	45.2167	8.52955	0.92076	6.4	0.7	3.6	0.7	1.7	0.3	1.0	0.3	21.5	2.1	10.8	375.8	21.5	1074.0	1.4	1.3
SMDH 00251	12.8	81.4	165.0	19.6	66.0859	12.4485	1.15095	7.1	0.8	2.7	0.6	1.5	0.3	0.9	0.3	31.3	2.4	12.3	458.2	22.9	879.5		
SMDH 00251	11.9	78.9	146.8	17.2	57.9701	9.91272	1.84152	6.6	0.7	2.6	0.3	1.3	0.3	0.6	0.3	26.0	1.5	9.9	330.3	25.7	735.8		
SMDH 00250	37.9	73.4	150.1	17.4	59.0135	12.1027	1.49624	7.8	1.1	5.8	1.3	3.3	0.7	3.6	0.3	27.7	3.1	16.3	501.6	27.6	608.5		
SMDH 00250	29.7	92.8	207.7	22.8	81.1581	13.947	1.03586	9.6	1.8	4.6	0.7	1.6	0.3	1.1	0.3	42.2	2.6	9.7	304.7	15.7	490.8	1.4	
SMDH 00250	19.5	78.4	171.0	19.0	63.7671	11.0654	0.92076	7.7	1.1	3.0	0.3	1.0	0.3	1.0	0.3	32.4	2.7	10.6	428.9	22.9	883.9		
SMDH 00250	10.6	57.6	124.9	14.4	49.8543	8.87535	1.61133	5.3	0.9	2.1	0.3	0.7	0.3	0.3	0.3	24.9	1.5	8.4	220.5	18.6	736.3		1.4
SMDH 00250	10.4	44.3	94.2	10.6	35.9414	6.22427	1.61133	4.0	0.8	1.7	0.3	0.3	0.3	0.3	0.3	18.1	0.9	8.7	234.9	12.9	610.6		
SMDH 00250	25.3	91.6	198.7	22.3	77.6799	13.6012	1.72643	9.6	1.9	4.8	0.7	1.3	0.3	0.8	0.3	38.5	2.7	9.8	334.7	32.9	1062.4	1.3	
SMDH 00250	20.9	87.0	193.7	21.7	75.3611	12.6791	1.38114	9.2	1.8	4.0	0.6	0.8	0.3	0.3	0.3	37.8	2.7	8.1	310.4	25.7	1129.4		1.3
SMDH 00250	13.1	82.4	133.9	18.5	62.6077	12.3333	1.15095	7.1	0.8	2.7	0.3	0.8	0.3	1.0	0.3	23.2	2.8	7.8	221.3	20.0	880.4		
SMDH 00250	11.9	75.9	167.1	18.4	66.0859	10.489	1.38114	6.2	1.2	2.4	0.3	0.6	0.3	0.3	0.3	31.2	1.8	7.2	293.9	22.9	992.8	1.2	1.3
SMDH 00250	12.0	121.1	245.5	27.5	93.9115	15.4454	1.26605	10.9	1.8	3.9	0.3	0.9	0.3	0.3	0.3	46.4	2.5	10.0	318.4	14.3	837.4		
SMDH 00250	10.1	93.3	181.4	20.5	68.4047	10.9501	2.07171	7.4	1.3	2.6	0.3	0.9	0.3	0.3	0.3	30.5	1.7	9.3	332.7	25.7	854.7		
SMDH 00250	10.9	104.4	204.8	24.0	77.6799	14.408	1.61133	8.9	1.4	3.6	0.3	1.1	0.3	0.3	0.3	36.8	2.4	9.2	293.0	20.0	927.4		1.6
SMDH 00249	39.8	113.7	241.5	27.9	95.0709	18.327	1.38114	12.7	2.5	8.2	1.4	4.7	0.3	2.7	0.3	56.1	3.1	12.6	455.1	22.9	899.8	1.6	
SMDH 00249	36.5	81.5	178.0	20.3	73.0423	14.5233	1.61133	9.7	1.9	6.2	1.3	4.1	0.3	2.7	0.3	43.2	2.4	11.4	407.4	22.9	927.4		
SMDH 00249	38.3	83.3	176.7	20.5	69.5641	13.947	1.61133	8.6	1.9	6.4	1.3	4.0	0.3	2.7	0.3	41.7	2.5	9.7	316.0	24.3	809.9		1.5
SMDH 00249	54.2	83.2	179.9	20.7	75.3611	14.1775	1.49624	10.5	2.1	8.5	1.7	6.5	0.9	5.3	0.7	40.3	4.0	9.1	385.7	27.2	927.4		
SMDH 00249	49.9	100.4	217.8	25.0	82.3175	16.5981	1.61133	11.3	2.1	8.7	1.6	6.5	0.8	4.3	0.7	47.8	4.0	11.0	379.3	25.7	927.4	0.9	
SMDH 00248	40.0	104.5	237.2	25.7	89.2739	16.9438	1.72643	10.9	2.2	7.9	1.4	4.9	0.6	3.6	0.3	45.3	2.8	17.0	516.7	22.9	1344.8		1.4
SMDH 00248	74.8	109.3	241.8	27.5	97.3897	17.5202	1.95662	11.7	2.6	8.4	1.6	4.8	0.7	3.3	0.3	46.9	2.8	13.2	466.2	28.6	1330.1		
SMDH 00248	60.8	118.1	254.2	28.7	94.1434	17.9812	1.95662	11.7	1.5	9.2	1.9	5.1	0.9	6.0	0.8	46.6	3.9	12.5	287.9	33.2	810.6		1.6
SMDH 00248	76.7	110.1	229.9	27.5	93.9115	16.3675	1.95662	10.7	2.6	8.6	1.6	5.1	0.6	3.1	0.3	44.2	3.3	13.2	432.4	32.9	1154.9	1.0	1.5
SMDH 00248	93.8	134.4	248.7	32.5	117.1	18.0965	2.87738	11.6	2.3	9.3	1.9	6.4	0.9	5.7	0.7	38.7	3.1	13.2	458.6	52.9	1093.4		
SMDH 00248	93.7	85.8	178.7	21.3	75.3611	14.1775	1.49624	8.9	2.1	8.7	1.9	6.8	0.9	4.5	0.7	35.3	2.7	13.1	365.8	34.3	915.4		
SMDH 00248	105.7	95.4	188.7	20.4	68.4047	13.7164	1.38114	9.6	2.3	10.2	2.2	7.9	1.0	5.3	0.8	38.8	3.3	12.4	463.1	27.2	1047.4		1.6
SMDH 00248	110.9	96.8	206.4	22.9	84.6363	13.4859	1.49624	10.4	2.5	9.6	2.3	7.9	1.0	5.7	0.7	40.5	3.3	13.3	436.6	32.9	1290.1	1.5	
SMDH 00248	96.7	98.3	210.2	24.4	90.4333	14.5233	1.38114	11.5	2.5	9.4	1.9	7.2	0.9	5.1	0.7	41.7	3.1	10.4	383.1	25.7	1124.3		
SMDH 00248	78.7	115.9	245.6	28.5	102.027	17.0591	1.95662	11.8	2.5	8.5	1.7	5.4	0.8	3.9	0.7	50.5	2.8	14.3	493.2	32.9	1274.7		1.5
SMDH 00248	70.3	120.8	255.0	29.5	100.868	18.327	1.38114	11.6	2.7	8.0	1.6	5.1	0.7	3.8	0.6	48.9	2.7	13.3	548.3	24.3	1511.3		
SMDH 00248	33.3	104.4	231.3	25.2	83.4769	14.5233	1.95662	9.9	1.3	6.8	1.0	3.7	0.3	2.8	0.6	44.4	2.8	14.9	639.7	28.6	1603.6	1.4	
SMDH 00248	30.5	95.5	207.7	21.9	75.3611	13.3707	1.84152	9.1	1.3	6.3	1.1	3.5	0.3	2.7	0.3	38.2	2.7	13.3	505.9	22.9	970.8		1.4
SMDH 00247	36.1	109.5	261.9	27.4	89.2739	17.5202	1.61133	12.0	1.4	6.9	1.1	4.0	0.3	3.0	0.3	50.0	2.7	12.0	525.3	28.6	1179.2		
SMDH 00247	33.5	91.4	198.4	22.2	59.1295	11.9875	1.84152	10.3	1.3	6.6	1.3	4.7	0.6	4.0	0.3	36.8	2.2	26.7	486.2	28.6	1186.6		
SMDH 00247	42.6	79.2	161.9	19.1	60.2889	13.947	1.49624	9.5	1.2	7.4	1.5	4.6	0.7	4.7	0.9	36.5	2.4	12.4	509.0	25.7	1072.6	1.3	1.6
SMDH 00247	44.1	76.5	154.6	17.5	59.1295	12.7943	1.49624	8.6	1.2	6.6	1.4	5.4	0.7	4.3	0.7	34.6	2.2	13.1	609.3	28.6	1273.8		
SMDH 00247	39.9	86.8	177.4	20.7	68.4047	15.4454	1.95662	10.0	1.2	6.3	1.5	4.6	0.6	3.9	0.7	40.9	2.6	11.4	489.1	25.7	1126.4		
SMDH 00247	42.5	90.1	183.0	20.8	69.5641	14.7538	1.49624	10.0	1.3	7.0	1.4	5.1	0.6	3.9	0.6	40.9	2.9	9.3	477.0	28.6	1136.4		1.6
SMDH 00247	29.9	81.1	173.1	19.5	66.0859	13.3707	1.61133	10.2	1.2	5.6	1.0	3.4	0.3	2.7	0.3	39.1	2.4	12.6	467.8	24.3	1005.6	1.2	
SMDH 00247	45.9	110.2	218.7	24.7	79.9987	16.5981	1.84152	11.0	1.4	7.4	1.5	5.0	0.6	3.6	0.6	43.6	3.8	11.3	575.3	40.1	1220.0		
SMDH 00247	48.3	104.6	212.9	22.8	77.6799	17.7507	1.95662	10.8	1.4	8.4	1.6	5.8	0.7	5.0	0.6	43.5	3.2	10.3	420.4	27.2	1243.6		1.5
SMDH 00247	42.6	109.2	298.0	23.3	79.9987	16.5981	1.38114	12.1	1.1	8.2	2.2	3.9	0.8	4.4	0.3	45.0	3.8	12.0	710.9	21.5	1059.3		
SMDH 00247	41.7	115.1	225.9	26.2	91.5927	20.056	1.49624	13.5	2.1	7.0	1.3	2.2	0.3	1.8	0.3	52.0	2.5	15.9	616.6	18.6	812.4	1.2	
SMDH 00247	34.0	98.0	187.3	22.6	76.5205	17.4049	1.61133	11.9	1.6	5.8	0.9	1.7	0.3	1.4	0.3	45.0	1.9	13.1	424.2	15.7	729.5		1.5
SMDH 00247	44.1	84.0	164.0	19.9	69.5641	14.7538	1.38114	10.9	1.8	6.2	1.1	2.5	0.3	2.8	0.3	41.1	2.1	15.6	634.2	18.6	799.3		
SMDH 00247	56.3	104.6	199.9	23.9	83.4769	19.4797	1.61133	12.3	2.2	7.9	1.6	3.1	0.3	3.5	0.3	45.2	2.9	17.3	683.8	24.3	1046.2		
SMDH 00247	33.5	73.6	139.2	15.6	56.8107	12.218	1.15095	8.6	1.3	4.9	1.0	1.8	0.3	2.2	0.3	31.2	1.4	12.3	328.2	15.7	666.2	1.1	1.6
SMDH 00246	31.8	75.1	142.9	16.0	56.8107	12.5638	1.03586	8.8	1.4	4.8	0.9	1.7	0.3	2.0	0.3	32.1	1.8	10.8	332.3	10.0	452.0		
SMDH 00246	34.9	84.7	156.0	18.7	66.0859	13.6012	1.38114	9.6	1.4	5.8	0.9	1.8	0.3	1.9	0.3	34.9	1.8	14.7	448.6	27.2	797.2		
SMDH 00246	30.2	95.6	223.7	18.5	61.4483	11.2959	1.61133	8.6	1.3	6.1	0.9	4.0	0.7	3.5	0.3	35.4	2.1	17.5	584.6	20.0	777.6	1.3	
SMDH 00246	52.3	135.9	312.7	32.9	100.868	19.4797	2.07171	15.1	2.0	8.1	1.6	4.0	0.6	3.5	0.6	57.5	2.9	16.4	508.7	25.7	1009.6		
SMDH 00246	53.7	98.2	226.0	23.7	79.9987	14.5233	1.61133	11.2	1.8	7.8	1.5	4.8	0.7	4.2	0.7	42.4	2.6	13.8	458.6	25.7	1072.2		1.4
SMDH 00246	53.9	93.2	212.3	22.1	68.4047	12.6791	1.61133	11.5	1.6	7.6	1.5	4.9	0.7	5.0	0.8	40.0	2.7	14.4	443.3	25.7	916.6		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00246	47.9	88.1	203.1	22.2	68.4047	14.0622	1.49624	10.8	1.4	7.2	1.5	4.7	0.7	4.3	0.7	37.9	3.1	13.6	425.1	22.9	984.3	0.9	
SMDH 00245	66.7	194.2	439.1	47.4	153.041	29.2771	1.84152	21.2	3.1	11.0	1.9	5.4	0.6	4.2	0.6	87.0	4.6	14.2	576.3	15.7	909.1		1.5
SMDH 00245	63.2	165.4	369.3	39.2	127.534	20.517	2.07171	15.4	2.1	9.0	1.7	5.2	0.7	4.9	0.8	70.4	3.3	18.5	553.3	22.9	1052.1		
SMDH 00245	38.4	89.5	202.1	21.6	69.5641	11.6417	1.26605	7.6	1.3	5.0	1.0	3.1	0.3	3.1	0.3	39.1	1.8	12.0	324.3	15.7	836.3		
SMDH 00245	32.6	82.0	195.0	20.4	64.9265	12.3333	1.26605	8.2	1.2	5.4	0.9	2.5	0.3	2.4	0.3	38.5	1.8	12.1	340.5	17.2	768.5	1.3	1.5
SMDH 00245	39.5	95.5	220.5	23.3	75.3611	14.0622	1.61133	10.0	1.4	5.5	1.0	3.4	0.3	3.2	0.3	45.8	2.1	10.3	330.8	18.6	836.3		
SMDH 00245	25.2	86.9	170.6	20.8	67.2453	13.2554	1.26605	9.5	0.9	4.8	0.9	2.9	0.3	2.8	0.3	41.2	1.9	10.3	430.1	21.5	950.7		
SMDH 00245	20.7	126.2	235.3	28.1	89.2739	15.2149	1.38114	11.7	0.9	3.9	0.7	2.1	0.3	1.5	0.3	51.7	2.2	14.2	502.1	30.0	1378.4		1.4
SMDH 00245	17.0	113.3	209.9	24.4	84.6363	14.6386	1.72643	10.7	0.9	3.8	0.6	1.5	0.3	1.0	0.3	43.7	1.9	8.6	355.9	37.2	998.6	4.3	
SMDH 00245	17.9	92.8	174.1	21.1	68.4047	11.2959	1.61133	9.3	0.8	3.8	0.6	1.9	0.3	1.7	0.3	40.3	1.9	8.1	322.3	20.0	956.8		
SMDH 00245	18.2	102.2	187.3	22.5	77.6799	12.6791	1.38114	11.0	0.9	4.8	0.7	1.8	0.3	1.3	0.3	42.6	2.1	12.6	438.5	20.0	915.0		1.5
SMDH 00245	22.1	111.1	203.1	24.1	79.9987	14.0622	1.38114	10.1	0.9	4.7	0.8	2.4	0.3	2.0	0.3	44.1	2.1	9.9	348.6	21.5	1106.3		
SMDH 00245	25.3	102.9	234.7	21.5	70.7235	13.947	1.49624	9.9	0.9	5.2	0.9	2.7	0.3	2.2	0.3	38.0	2.1	13.8	519.2	22.9	989.7	1.2	
SMDH 00245	41.6	142.5	280.8	30.9	107.824	19.1339	1.26605	15.0	1.5	7.8	1.4	4.6	0.7	3.8	0.6	60.1	3.9	15.2	617.6	27.2	1294.6		1.3
SMDH 00244	38.3	98.4	184.3	22.1	74.2017	14.1775	1.49624	11.5	1.3	6.4	1.4	4.3	0.7	3.9	0.6	44.4	3.1	12.4	391.6	24.3	1016.6		
SMDH 00244	62.1	127.0	287.1	33.5	105.737	21.2086	2.18681	14.0	1.9	10.1	2.1	5.1	0.9	5.3	0.7	58.8	5.8	12.9	438.2	31.9	900.5		
SMDH 00244	57.0	113.9	258.6	23.7	75.3611	15.0996	1.61133	11.9	1.3	10.3	2.1	7.6	1.7	6.5	0.7	40.7	4.1	18.3	650.0	22.9	1188.5	0.4	1.5
SMDH 00244	52.3	116.3	253.2	23.3	79.9987	16.0217	1.72643	11.7	1.4	7.0	1.6	6.3	1.4	5.5	0.3	37.9	4.5	13.1	573.4	21.5	5401.8		
SMDH 00244	49.9	120.2	279.7	26.5	83.4769	17.4049	1.72643	11.9	1.3	8.9	2.1	5.9	1.1	5.2	0.3	42.8	3.7	13.9	544.0	31.5	1264.4		
SMDH 00244	38.8	115.3	262.9	24.1	75.3611	16.4828	2.07171	11.9	1.2	8.0	1.7	4.5	0.9	3.6	0.3	39.9	3.1	16.4	498.9	32.9	1311.1		1.4
SMDH 00244	33.8	113.9	277.5	36.0	115.94	20.4018	2.87738	12.4	1.5	8.1	1.3	3.9	0.3	2.0	0.3	47.6	3.2	11.7	481.6	44.3	1201.8	1.0	
SMDH 00244	33.7	108.5	223.2	26.3	84.6363	16.137	2.417	9.4	1.3	7.0	1.1	3.8	0.3	2.8	0.3	38.8	2.6	10.8	417.0	28.6	1086.0		
SMDH 00244	58.2	99.7	216.1	25.3	86.9551	16.9438	1.95662	11.6	1.6	9.7	1.9	7.1	0.9	4.9	0.9	41.2	3.4	12.1	439.3	27.2	1188.0		1.5
SMDH 00244	52.8	93.9	206.1	23.7	79.9987	15.5607	1.72643	10.3	1.3	8.1	1.8	6.6	0.7	4.5	0.9	39.1	3.2	11.4	437.4	25.7	1050.2		
SMDH 00244	49.6	81.7	181.5	22.1	71.8829	13.6012	1.84152	8.5	1.2	7.8	1.6	5.6	0.7	4.7	0.8	33.0	2.6	162.1	397.8	25.7	868.3	1.0	
SMDH 00244	38.3	76.9	171.3	19.8	66.0859	11.757	1.38114	7.8	1.2	6.5	1.4	4.3	0.6	3.3	0.7	33.2	2.1	11.0	406.3	15.7	821.3		1.4
SMDH 00244	39.9	126.6	270.7	32.2	103.187	19.0186	1.84152	12.0	1.5	8.4	1.6	4.8	0.6	3.5	0.7	50.2	3.1	13.2	477.9	27.2	1455.3		
SMDH 00244	36.0	122.0	262.4	31.2	103.187	18.2117	1.72643	10.7	1.3	7.1	1.3	4.3	0.3	3.4	0.7	49.2	2.9	12.9	532.8	27.2	1466.5		
SMDH 00243	44.1	163.4	369.3	43.2	140.288	25.2429	1.49624	15.0	2.0	9.4	1.6	4.6	0.6	3.3	0.6	70.3	4.5	20.0	907.3	14.3	719.5	1.4	1.5
SMDH 00243	43.1	133.1	283.3	34.0	108.984	21.6697	1.61133	11.2	2.2	6.5	1.1	3.0	0.3	2.8	0.3	54.9	2.7	9.7	420.9	15.7	624.2		
SMDH 00243	52.1	178.1	394.6	47.4	148.403	29.1619	1.95662	16.0	2.8	8.8	1.6	3.9	0.6	3.2	0.3	78.9	3.3	11.2	489.9	21.5	929.7		
SMDH 00243	50.4	152.1	329.7	40.2	125.215	22.7071	1.84152	13.5	2.7	7.8	1.4	3.7	0.6	3.3	0.3	60.5	2.5	10.7	428.1	32.9	1028.0		1.6
SMDH 00243	64.4	170.4	384.3	44.6	152.925	25.4734	1.84152	14.9	1.8	10.1	2.2	5.7	1.0	6.4	0.8	77.2	2.8	9.1	477.4	25.7	811.3		
SMDH 00243	49.4	141.9	320.1	38.7	117.1	22.9376	1.95662	13.6	2.7	7.1	1.5	3.5	0.6	2.8	0.3	61.7	2.2	13.7	578.4	30.0	1185.9		
SMDH 00243	46.8	155.3	345.4	42.5	128.694	23.0528	1.61133	14.6	2.7	8.5	1.5	3.3	0.3	3.3	0.3	64.5	2.5	11.0	471.4	21.5	1079.9		1.5
SMDH 00243	57.8	165.2	367.0	43.7	137.969	27.0871	1.61133	15.6	3.2	9.4	1.6	4.1	0.7	3.9	0.3	74.3	2.8	14.0	569.6	27.2	1227.3		
SMDH 00243	55.6	139.0	313.2	37.2	112.462	20.8628	1.72643	13.1	2.7	8.1	1.6	4.1	0.6	3.8	0.3	61.0	2.2	11.1	558.3	22.9	1066.8		1.4
SMDH 00242	50.4	124.2	283.3	34.0	104.346	20.517	1.72643	13.3	2.7	7.7	1.5	3.8	0.6	3.6	0.3	51.2	3.5	19.2	851.9	17.2	652.4		
SMDH 00242	71.4	324.1	676.7	80.1	266.662	43.9157	2.30191	32.9	3.4	15.8	2.4	6.8	0.8	5.1	0.8	163.4	7.0	16.9	825.7	14.3	890.7		
SMDH 00242	42.3	113.4	244.3	27.3	91.5927	17.2896	1.38114	12.1	1.2	7.6	1.4	4.1	0.3	2.7	0.3	54.6	2.2	12.5	406.2	21.5	983.4	1.7	1.8
SMDH 00242	37.8	89.8	183.2	21.1	71.8829	13.1401	1.49624	10.3	1.2	6.5	1.3	4.0	0.3	3.0	0.3	42.1	1.5	11.7	347.0	20.0	839.8		
SMDH 00242	29.3	70.0	151.8	17.8	59.1295	10.3738	1.26605	8.0	0.9	5.4	1.0	3.2	0.3	2.4	0.3	34.1	1.3	9.4	374.6	15.7	695.9		
SMDH 00242	67.8	123.3	253.5	28.5	95.0709	16.137	1.84152	12.9	1.6	10.5	2.1	6.8	0.9	5.7	0.8	55.1	2.8	16.9	623.8	25.7	1277.0		1.5
SMDH 00241	52.1	180.7	409.9	47.0	150.49	28.5855	1.61133	17.5	2.1	9.9	1.6	4.0	0.7	4.5	0.3	82.3	5.2	19.5	727.7	17.9	808.7		
SMDH 00241	47.0	176.4	355.6	42.5	146.085	23.8597	1.26605	18.1	2.1	8.6	1.5	4.9	0.3	4.0	0.6	78.8	3.8	17.3	783.9	11.4	779.0		
SMDH 00241	27.1	135.7	274.4	31.2	102.027	19.5949	2.18681	13.1	1.3	6.5	1.0	2.9	0.2	1.6	0.3	66.4	2.2	9.8	401.5	18.6	1024.8		1.6
SMDH 00241	11.2	67.0	138.9	14.9	46.3761	8.41429	1.38114	5.7	0.6	2.6	0.3	0.9	0.3	0.7	0.3	32.3	0.8	10.4	189.7	11.4	641.7		
SMDH 00241	16.1	75.7	167.7	17.4	59.1295	10.9501	1.26605	7.8	0.8	3.6	0.6	1.8	0.3	1.3	0.3	39.0	1.2	15.3	372.8	14.3	887.6	1.7	
SMDH 00241	31.6	96.5	206.5	25.0	82.3175	15.7912	1.72643	9.9	1.8	4.8	0.8	1.9	0.3	1.5	0.3	46.6	1.5	12.1	434.0	17.2	989.5		1.7
SMDH 00241	30.0	80.3	173.6	19.9	69.5641	13.7164	1.38114	8.0	1.6	4.9	1.0	2.1	0.3	2.0	0.3	36.8	1.2	12.6	374.4	28.6	806.1		
SMDH 00241	52.6	102.2	223.1	25.9	88.1145	18.2117	1.72643	10.7	2.2	7.7	1.5	3.7	0.6	3.9	0.7	49.1	1.7	14.7	515.1	31.5	1021.5		
SMDH 00241	18.2	64.5	139.1	16.1	57.9701	10.6043	1.26605	6.5	1.2	3.1	0.6	1.1	0.3	1.1	0.3	31.1	0.9	10.5	364.4	14.3	608.3	1.0	1.6
SMDH 00241	25.0	98.3	199.0	22.2	81.1581	15.3301	1.61133	8.9	1.4	4.5	0.7	1.9	0.3	1.3	0.3	44.3	1.4	12.5	453.6	20.0	919.6		
SMDH 00241	21.5	59.5	130.9	15.6	53.3325	9.79746	1.61133	5.7	1.3	3.3	0.6	1.3	0.3	1.0	0.3	27.5	0.9	12.3	362.8	14.3	672.3		
SMDH 00240	30.2	83.0	188.0	21.7	69.5641	12.218	1.26605	8.4	1.6	4.6	0.7	1.8	0.3	2.0	0.3	38.4	1.8	15.0	586.7	12.9	640.3		1.8
SMDH 00240	19.0	68.2	150.6	18.6	61.4483	11.5264	1.15095	6.4	1.1	3.7	0.3	1.1	0.3	1.4	0.3	33.7	1.1	12.7	320.0	10.0	783.0	2.1	
SMDH 00240	37.6	87.6	201.1	23.7	81.1581	15.0996	1.03586	10.3	1.9	5.5	1.0	2.5	0.3	2.6	0.3	46.1	1.5	10.5	383.0	12.9	800.3		
SMDH 00240	27.6	70.0	150.9	17.9	62.6077	11.6417	1.03586	8.1	1.1	4.8	0.9	3.0	0.3	2.5	0.3	37.1	1.9	10.7	358.6	14.3	759.6		1.6
SMDH 00240	40.7	88.0	221.3	25.2	77.6799	15.5607	1.84152	11.7	1.6	6.9	1.5	5.2	0.6	4.2	0.6	50.8	1.5	14.3	392.9	12.9	937.9		
SMDH 00240	42.1	101.6	220.4	27.7	93.9115	18.327	1.61133	12.4	1.4	7.4	1.6	5.7	0.7	4.9	0.7	53.6	1.9	9.7	313.3	12.9	905.6	1.2	
SMDH 00240	36.2	99.5	216.4	27.4	92.7521	18.0965	1.72643	11.8	1.4	6.6	1.4	5.0	0.6	4.3	0.6	54.1	1.9	10.5	441.3	17.2	1066.1		1.4
SMDH 00240	65.0	142.7	310.6	34.5	113.621	22.8223	2.07171	14.2	2.8	9.0	1.6	5.9	0.7	5.6	0.9	68.8	2.2	15.8	480.7	18.6	1157.2		
SMDH 00239	68.1	146.3	313.4	34.2	115.94	22.0155	1.95662	14.9	1.8	9.5	1.8	6.7	0.7	5.2	0.7	63.0	3.1	53.4	2925.3	22.9	1131.0		
SMDH 00239	36.1	65.6	142.7	16.0	53.3325	9.6822	1.15095	7.3	0.9	5.7	1.0	3.5	0.3	2.6	0.3	30.9	2.1	54.8	3234.0	15.7	750.3	2.0	1.6
SMDH 00239	55.3	94.2	217.4	21.3	71.8829	14.8691	1.15095	10.2	1.4	7.3	1.5	4.5	0.6	3.6	0.6	47.4	2.5	76.1	4202.1	24.3	993.9		
SMDH 00239	42.2	71.2	159.9	16.7	55.6513	10.9501	1.03586	7.6	1.2	5.8	0.9	4.1	0.3	2.5	0.3	33.3	1.8	70.0	4175.1	20.0	659.0		
SMDH 00239	48.2	94.9	196.8	22.7	75.3611	14.6386	1.84152	9.4	1.3	6.3	1.1	4.0	0.3	3.3	0.7	30.2	3.3	125.0	7169.6	42.9	639.8		1.6
SMDH 00239	49.4	69.6	152.4	18.7	61.4483	13.3707	1.26605	8.4	1.3	7.2	1.1	4.1	0.3	3.3	0.3	33.4	2.6	7.5	311.4	21.5	613.2	1.2	
SMDH 00239	49.2	99.8	219.4	23.1	75.3611	12.7943	1.61133	8.8	1.2	6.5	1.1	4.1	0.3	3.0	0.3	28.3	1.7	8.4	335.0	24.3	590.3		
SMDH 00239	33.0	91.6	206.4	22.3	79.9987	13.3707	1.84152	8.7	1.2	5.3	0.9	3.4	0.3	2.4	0.6	33.4	1.4	12.4	439.8	30.0	931.1		1.6
SMDH 00239	43.3	75.9	176.5	23.5	78.8393	11.1806	1.61133	9.5	1.8	5.3	0.9	2.5	0.3	2.0	0.3	34.0	1.9	17.0	503.3	21.5	1016.8		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00239	50.1	82.3	192.5	25.0	82.3175	13.3707	1.26605	10.5	1.9	6.0	1.3	2.6	0.3	3.0	0.3	44.1	1.9	14.6	495.2	18.6	1099.0	1.3	
SMDH 00239	48.4	83.9	185.4	24.3	82.3175	11.1806	1.61133	10.4	1.9	5.4	1.1	2.6	0.3	2.8	0.3	40.1	1.5	9.4	329.6	22.9	953.7		1.6
SMDH 00239	56.1	84.0	198.8	26.8	89.2739	14.5233	1.03586	11.3	2.2	6.6	1.4	3.3	0.6	3.2	0.3	49.6	2.8	14.3	501.3	22.9	1071.5		
SMDH 00239	62.0	87.7	207.0	26.8	93.9115	14.8691	1.38114	12.7	2.3	7.1	1.5	3.4	0.6	3.8	0.3	47.0	2.6	13.9	449.5	21.5	1025.0		
SMDH 00239	49.4	79.3	182.2	23.9	77.6799	13.2554	1.26605	10.3	1.6	5.5	1.1	2.9	0.3	3.1	0.3	42.1	2.0	13.0	480.7	17.2	967.3	1.1	1.6
SMDH 00256	88.7	109.5	248.3	30.4	103.187	16.8286	2.18681	14.2	2.8	9.2	1.8	4.5	0.8	4.7	0.7	46.3	3.2	20.0	712.7	28.6	1592.1		
SMDH 00256	61.7	108.7	246.4	32.7	110.143	17.2896	1.61133	10.3	2.5	7.8	1.4	3.3	0.6	3.0	0.3	54.1	3.5	15.0	449.3	22.9	804.7		1.8
SMDH 00256	18.6	31.9	67.5	6.4	25.5068	4.72583	2.417	3.0	0.7	1.7	0.3	0.9	0.3	0.9	0.3	14.0	1.1	6.3	205.1	5.7	657.8	1.9	
SMDH 00256	33.5	101.1	228.7	26.7	94.1434	20.056	1.26605	12.4	1.3	6.4	1.1	3.0	0.3	3.3	0.3	57.6	3.1	10.6	599.3	20.3	699.6		
SMDH 00256	40.7	46.1	101.0	10.3	42.8979	9.6822	3.10757	7.0	1.4	4.5	0.7	2.1	0.3	1.7	0.3	22.4	2.1	9.1	256.7	11.4	579.3		1.5
SMDH 00256	43.3	41.0	110.1	10.2	42.8979	10.1433	2.64719	6.8	1.4	4.0	0.7	2.2	0.3	1.5	0.3	21.2	1.9	8.1	253.4	10.0	1192.2		
SMDH 00256	43.5	39.6	86.0	10.2	42.8979	10.028	2.5321	6.2	1.5	3.9	0.7	2.4	0.3	2.0	0.3	19.2	1.7	6.3	198.3	8.6	732.5	1.3	
SMDH 00256	72.4	71.3	139.2	16.1	70.7235	15.5607	2.18681	8.5	1.6	6.3	1.1	4.1	0.6	4.0	0.3	30.4	2.4	11.1	326.1	11.4	1169.8		1.6
SMDH 00256	51.8	67.8	143.4	16.9	63.7671	14.408	3.56795	8.2	1.8	4.6	0.8	2.5	0.3	2.5	0.3	29.1	1.9	10.3	344.0	8.6	1046.5		
SMDH 00256	45.1	81.4	158.8	19.1	75.3611	14.9844	4.14343	8.5	1.6	4.0	0.8	2.7	0.3	2.3	0.3	32.5	1.8	12.4	452.5	22.9	1280.5		
SMDH 00256	27.0	47.5	91.4	10.3	46.3761	9.22114	2.417	4.9	0.9	2.6	0.3	1.3	0.3	1.4	0.3	19.4	1.2	8.8	299.9	10.0	1121.2	1.2	1.6
SMDH 00256	17.7	58.5	122.9	14.8	57.9701	12.218	3.22267	6.5	1.1	2.4	0.3	0.8	0.3	0.9	0.3	27.1	0.9	7.4	291.5	11.4	934.4		
SMDH 00256	27.2	54.2	152.5	11.8	44.0573	12.1027	2.5321	6.2	1.3	2.5	0.7	1.4	0.3	1.4	0.3	32.3	1.4	7.3	381.3	8.6	971.7		
SMDH 00257	41.9	133.0	290.7	34.0	114.085	20.6323	1.49624	12.6	1.5	7.7	1.4	3.1	0.6	3.3	0.6	57.5	4.1	15.0	698.2	17.3	670.6		1.7
SMDH 00257	59.3	191.3	415.7	50.4	164.055	31.6977	2.07171	18.3	2.2	10.8	1.9	4.9	0.9	5.2	0.8	83.0	5.1	18.4	520.9	21.5	769.7		
SMDH 00257	36.0	67.6	227.5	6.2	49.8543	12.9096	1.61133	4.1	0.3	2.9	0.9	1.7	0.3	1.6	0.3	29.9	1.7	6.4	327.7	11.4	1125.0		
SMDH 00257	4.2	16.3	29.1	3.5	12.0578	2.07476	1.84152	1.1	0.3	0.6	0.3	0.3	0.3	0.3	0.3	5.2	1.8	2.7	169.3	11.3	213.5		
SMDH 00257	28.5	45.6	137.6	18.5	39.4197	9.91272	1.03586	3.6	0.9	2.1	0.6	1.3	0.3	1.3	0.3	25.4	2.2	6.1	311.4	5.7	624.2		
SMDH 00257	9.9	37.9	85.7	6.8	33.6226	5.87848	0.57548	3.1	0.3	1.1	0.3	0.3	0.3	0.3	0.3	21.2	0.8	6.5	183.4	8.6	698.9	1.5	
SMDH 00257	35.5	88.4	199.9	17.2	79.9987	14.408	0.80567	8.7	0.7	3.2	0.6	1.9	0.3	1.7	0.3	55.3	2.0	14.5	415.2	12.9	1379.1		1.7
SMDH 00257	36.2	60.7	122.9	8.2	49.8543	8.41429	1.03586	5.4	0.9	3.0	0.6	1.5	0.3	2.0	0.3	24.3	0.9	13.6	457.1	10.0	762.0		
SMDH 00257	63.2	89.8	203.4	17.5	85.7957	14.9844	0.92076	9.5	0.9	4.5	1.0	3.7	0.7	3.5	0.3	55.5	2.5	14.9	450.6	30.0	1207.2		
SMDH 00257	64.8	101.6	227.6	19.6	92.7521	16.9438	0.92076	12.0	1.2	5.3	1.0	3.7	0.6	3.3	0.3	66.8	2.9	13.8	570.6	22.9	1715.5	1.1	1.6
SMDH 00257	33.5	77.7	172.9	14.3	70.7235	11.8722	0.92076	7.3	0.6	2.7	0.6	1.8	0.3	1.4	0.3	46.7	2.0	15.4	464.7	18.6	1304.4		
SMDH 00257	39.8	108.3	232.4	27.9	97.3897	17.0591	1.61133	11.3	2.0	5.3	0.9	1.8	0.3	1.8	0.3	50.5	2.2	14.4	506.1	18.6	1128.9		
SMDH 00258	78.3	220.1	475.4	56.6	197.098	33.6572	1.15095	23.0	4.2	11.5	1.7	3.5	0.6	3.5	0.6	103.6	5.4	42.7	1483.3	10.0	763.8		1.7
SMDH 00258	35.5	73.6	146.3	18.1	62.6077	12.5638	1.15095	7.7	1.5	4.5	0.7	1.6	0.3	1.4	0.3	31.6	1.9	8.8	291.4	12.9	676.2	2.2	
SMDH 00258	42.4	79.1	163.8	20.3	71.0249	13.8893	1.47322	8.8	1.7	5.0	0.8	2.0	0.3	1.6	0.3	35.8	1.9	9.3	310.1	32.3	987.4		
SMDH 00258	74.6	75.1	167.1	18.7	73.0423	13.6012	1.15095	8.9	2.1	8.6	1.8	6.6	0.8	5.3	0.9	37.8	2.1	19.9	329.7	22.9	961.9		1.4
SMDH 00258	26.1	60.0	134.5	14.5	57.9701	10.2585	1.15095	6.0	0.8	4.4	0.8	3.2	0.3	2.4	0.3	30.0	1.4	10.1	315.1	12.9	736.0		
SMDH 00258	30.8	72.1	170.3	18.4	68.4047	11.4112	1.26605	7.4	0.8	5.2	0.9	4.3	0.6	3.5	0.3	26.7	1.4	9.2	351.9	15.7	959.8	1.6	
SMDH 00258	34.7	89.9	198.4	21.0	79.9987	13.1401	1.26605	8.1	0.9	6.0	1.1	4.7	0.7	4.4	0.8	43.6	1.4	11.1	392.0	18.6	1051.2		1.4
SMDH 00258	27.2	90.1	192.8	20.4	75.3611	13.3707	1.84152	8.1	0.9	5.4	0.9	3.5	0.3	3.5	0.3	40.3	1.5	10.6	408.9	12.9	962.9		
SMDH 00258	11.8	62.9	134.2	14.2	55.6513	8.29903	1.26605	4.7	0.6	2.4	0.3	1.4	0.3	0.8	0.3	28.4	1.3	16.3	600.0	17.2	1216.1		
SMDH 00258	8.7	35.0	72.6	7.8	28.985	5.76321	1.61133	3.2	0.3	1.4	0.3	0.9	0.3	1.4	0.3	13.9	1.4	20.8	673.2	25.7	1274.9	1.3	1.4
SMDH 00258	23.2	76.9	164.9	18.6	70.7235	12.218	1.49624	7.1	0.9	4.0	0.8	2.6	0.3	1.9	0.3	35.0	1.8	13.3	379.6	15.7	847.9		
SMDH 00258	59.7	93.4	208.3	22.8	88.1145	14.8691	1.26605	10.3	1.4	7.2	1.4	3.5	0.6	3.9	0.6	44.5	2.6	21.0	491.4	18.6	827.1		
SMDH 00259	71.9	208.4	272.6	30.6	105.506	30.4298	1.15095	19.1	2.9	6.9	1.1	4.2	0.7	3.8	0.3	96.3	4.5	38.6	1421.9	12.9	573.9		1.6
SMDH 00259	43.2	109.2	144.3	15.5	55.6513	16.137	1.38114	10.7	1.6	3.7	0.7	2.4	0.3	2.5	0.3	48.0	2.2	22.8	688.5	25.7	1209.8	2.3	
SMDH 00259	23.7	57.9	70.6	8.4	28.985	9.3364	1.61133	6.2	0.8	1.8	0.3	1.4	0.3	1.0	0.3	24.8	0.8	8.0	234.2	17.2	947.7		
SMDH 00259	23.2	74.8	87.1	10.0	35.9414	9.79746	1.38114	7.2	0.9	2.2	0.3	1.6	0.3	1.0	0.3	30.1	0.9	10.6	274.1	21.5	803.5		
SMDH 00259	42.8	92.0	114.1	13.0	44.0573	14.1775	1.15095	9.5	1.3	3.0	0.7	2.9	0.3	2.6	0.3	39.6	1.3	9.0	370.4	20.0	971.3	1.2	
SMDH 00259	32.4	84.2	102.3	11.6	42.8979	13.1401	1.26605	8.8	1.2	2.7	0.6	1.9	0.3	1.9	0.3	35.8	1.4	13.1	362.6	21.5	956.6		1.4
SMDH 00259	55.1	127.6	190.1	17.9	93.9115	16.5981	1.26605	10.4	1.8	1.4	0.8	1.3	0.3	1.8	0.3	47.9	1.4	15.2	432.9	34.3	953.5		
SMDH 00259	65.1	164.8	321.1	35.3	129.853	23.5139	2.18681	12.1	2.3	7.4	1.3	2.6	0.3	3.2	0.3	59.5	1.4	31.1	580.0	73.0	1062.4		
SMDH 00259	10.9	54.3	117.1	12.7	42.8979	6.80059	0.80567	3.9	0.7	1.6	0.3	0.3	0.3	0.2	0.3	20.9	0.7	14.7	199.2	10.0	894.6	1.0	1.4
SMDH 00260	32.4	107.1	230.1	25.3	93.6796	15.4454	1.61133	9.4	1.2	5.8	1.0	2.5	0.3	1.4	0.3	46.6	4.0	8.6	232.9	19.2	483.5		
SMDH 00260	45.1	92.4	195.9	22.0	78.8393	16.0217	1.26605	10.1	1.9	5.5	0.9	2.4	0.3	2.3	0.3	41.0	1.5	20.8	378.0	28.6	962.6		
SMDH 00260	37.4	74.5	154.3	17.5	61.4483	10.6043	1.26605	7.1	1.4	4.2	0.8	1.7	0.3	1.7	0.3	30.1	1.3	14.9	267.1	17.2	883.0		1.4
SMDH 00260	39.3	90.3	185.7	21.0	73.0423	12.4485	1.26605	8.5	1.3	4.5	0.8	1.8	0.3	1.7	0.3	35.9	1.7	13.7	294.1	17.2	847.5	1.0	
SMDH 00260	27.0	68.5	140.8	15.6	53.3325	8.52955	1.26605	5.7	1.2	3.6	0.6	1.4	0.3	1.1	0.3	25.8	1.2	11.3	291.6	12.9	631.9		
SMDH 00260	20.8	95.6	195.6	22.7	78.8393	12.5638	1.61133	7.2	1.3	3.1	0.3	0.8	0.3	0.3	0.3	36.9	1.4	23.1	453.5	20.0	1027.6		1.3
SMDH 00260	11.5	68.8	143.6	15.3	48.6949	8.18376	1.03586	5.8	0.8	1.6	0.3	0.3	0.3	0.3	0.3	29.9	1.2	29.5	285.4	8.6	763.8		
SMDH 00260	11.9	53.9	109.8	12.1	42.8979	7.03112	1.38114	4.7	0.7	1.7	0.3	0.6	0.3	0.3	0.3	19.8	0.9	17.8	381.9	12.9	634.9	0.9	
SMDH 00261	41.6	113.3	273.6	29.4	102.027	16.9438	0.80567	11.1	2.1	6.0	0.9	2.2	0.3	1.8	0.3	51.1	2.9	32.7	569.5	14.3	466.5		1.6
SMDH 00261	20.9	58.7	232.4	13.8	100.868	6.91585	1.03586	5.6	0.7	2.5	0.7	1.7	0.3	1.7	0.3	17.6	0.9	13.7	305.8	15.7	595.2		
SMDH 00261	25.0	67.4	293.0	16.1	118.259	9.22114	0.80567	6.8	1.1	2.9	0.8	2.2	0.3	1.6	0.3	22.9	1.4	10.1	248.1	15.7	652.9		
SMDH 00261	19.5	73.0	318.5	18.4	127.534	10.028	0.92076	7.6	1.1	2.9	0.7	1.3	0.3	1.0	0.3	25.9	1.4	13.2	243.8	14.3	677.2	1.3	1.4
SMDH 00261	19.0	83.9	358.5	19.8	144.925	10.489	1.61133	8.6	1.1	2.7	0.7	1.4	0.3	0.8	0.3	27.9	1.7	12.1	269.5	25.7	792.6		
SMDH 00261	21.4	67.9	291.8	16.8	118.259	8.29903	1.03586	6.9	0.8	2.5	0.7	1.6	0.3	1.4	0.3	24.0	1.1	15.9	263.9	17.2	856.3		
SMDH 00261	21.3	74.2	319.1	18.3	45.2167	9.10587	1.15095	4.7	1.1	3.1	0.7	1.6	0.3	1.0	0.3	25.9	1.2	16.2	284.9	12.9	631.9		1.6
SMDH 00261	20.2	84.2	369.3	20.9	149.563	11.9875	0.80567	8.6	1.1	3.0	0.7	1.5	0.3	0.9	0.3	32.6	1.9	20.6	286.4	28.6	589.1	1.0	
SMDH 00262	36.8	73.3	320.0	17.4	122.897	8.76008	0.92076	8.2	1.3	4.0	1.1	2.9	0.3	2.8	0.3	25.6	2.0	20.4	341.9	18.6	701.5		
SMDH 00262	37.8	49.5	214.6	12.0	89.2739	6.68533	0.80567	6.4	0.8	3.8	1.1	3.2	0.3	2.6	0.3	17.9	1.5	7.5	199.0	12.9	507.1		1.6
SMDH 00262	103.7	106.1	229.3	26.1	91.5927	15.6759	2.07171	11.2	2.7	10.1	2.2	5.4	0.8	5.8	0.7	42.4	3.1	22.9	431.0	32.9	1076.4		
SMDH 00262	78.6	92.6	199.3	22.2	81.1581	13.6012	1.49624	9.5	2.1	7.8	1.5	3.8	0.6	4.5	0.6	37.9	2.4	20.3	328.0	25.7	840.0	1.0	

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00262	93.8	99.8	209.6	24.1	83.4769	14.2928	1.84152	10.8	2.2	9.4	1.8	5.2	0.8	5.6	0.7	38.0	2.5	21.6	378.8	34.3	986.9		1.6
SMDH 00262	71.6	89.1	183.8	21.4	76.5205	13.3707	1.38114	9.1	2.1	7.4	1.4	3.8	0.7	3.5	0.6	35.0	2.2	24.2	334.1	22.9	795.1		
SMDH 00262	59.3	89.8	193.0	23.9	79.9987	14.6386	1.49624	9.6	1.6	6.9	1.3	4.2	0.6	3.3	0.6	38.3	2.2	14.6	562.9	21.5	862.6		
SMDH 00262	34.0	93.3	196.4	23.7	81.1581	16.0217	1.61133	10.1	1.2	6.4	1.0	3.8	0.3	2.8	0.3	39.1	2.4	12.6	441.2	18.6	824.6	1.0	1.6
SMDH 00262	25.7	80.6	169.4	20.4	71.8829	13.0249	1.72643	8.7	0.9	5.5	0.9	3.1	0.3	1.8	0.3	34.2	2.0	8.4	319.3	15.7	762.0		
SMDH 00262	35.1	96.5	203.9	23.9	81.1581	13.8317	1.61133	10.1	1.3	6.9	1.1	4.1	0.6	3.3	0.3	40.9	2.4	12.0	409.3	17.2	862.6		
SMDH 00262	28.9	79.6	163.3	19.9	67.2453	10.3738	1.72643	8.4	1.1	5.6	1.0	3.5	0.3	2.8	0.3	32.0	1.8	8.0	278.8	18.6	688.6		1.6
SMDH 00262	31.2	87.3	187.8	23.2	78.8393	14.2928	1.72643	9.6	1.2	6.5	1.3	3.7	0.3	2.6	0.3	37.5	2.1	12.0	380.1	18.6	851.9	0.7	
SMDH 00263	36.4	117.3	248.1	29.5	100.868	18.7881	1.61133	12.7	1.5	7.6	1.3	3.8	0.3	3.0	0.3	48.4	3.1	20.8	658.2	18.6	811.0		
SMDH 00263	29.5	78.9	166.6	19.8	66.0859	12.6791	1.49624	7.8	1.1	5.7	1.1	3.4	0.3	2.7	0.3	33.8	1.9	8.3	331.9	18.6	846.3		1.5
SMDH 00263	28.8	99.1	222.4	28.5	91.5927	17.4049	1.49624	11.1	1.3	5.6	0.8	2.2	0.3	1.1	0.3	48.0	2.4	11.9	655.9	27.2	892.5		
SMDH 00263	39.3	99.2	214.5	24.6	85.7957	14.7538	1.61133	10.1	1.9	5.4	0.9	1.7	0.3	1.1	0.3	43.0	2.0	10.8	568.6	28.6	1118.7	1.4	
SMDH 00263	37.8	93.8	204.4	23.9	84.6363	15.3301	1.38114	10.1	2.0	5.3	0.8	1.5	0.3	1.3	0.3	43.7	2.2	11.2	471.0	22.9	936.5		1.6
SMDH 00263	39.4	105.7	223.5	26.4	93.9115	16.3675	1.72643	10.7	2.0	5.7	1.0	1.8	0.3	1.8	0.3	47.7	2.2	13.3	589.4	28.6	1060.0		
SMDH 00263	57.9	85.2	186.6	21.1	74.2017	14.2928	1.72643	9.9	2.0	6.3	1.4	3.0	0.6	3.4	0.3	38.4	2.2	9.0	527.4	24.3	890.9	1.1	1.5
SMDH 00263	57.4	79.2	171.4	19.1	67.2453	12.6791	1.49624	9.1	1.9	6.1	1.3	2.7	0.3	3.4	0.3	36.6	2.2	10.7	427.4	24.3	819.4		
SMDH 00263	56.5	80.0	177.7	20.2	73.0423	11.9875	1.38114	10.2	2.0	6.4	1.3	2.7	0.3	3.2	0.3	39.4	2.6	8.1	414.8	28.6	865.0		
SMDH 00263	55.3	74.3	162.8	18.7	64.9265	11.757	1.38114	9.7	1.9	6.3	1.3	2.7	0.3	3.3	0.3	37.4	2.6	0.5	432.9	30.0	844.2		1.4
SMDH 00263	54.4	72.3	176.8	18.1	71.8829	12.1027	1.38114	8.6	1.8	7.3	1.3	3.3	0.6	4.3	0.6	33.5	2.7	8.3	515.3	30.0	787.0	0.8	
SMDH 00264	49.2	138.3	332.7	34.5	114.781	22.3613	1.72643	15.1	2.0	9.4	1.6	5.6	0.6	3.8	0.7	64.5	4.1	15.7	750.5	28.6	1692.6		
SMDH 00264	32.8	86.0	183.8	21.4	71.8829	12.7943	1.95662	9.2	1.2	6.9	1.1	4.0	0.3	3.0	0.3	39.6	2.6	10.7	492.8	30.0	1253.7		1.5
SMDH 00264	39.9	90.4	187.9	22.8	79.9987	15.3301	2.07171	10.5	1.3	7.6	1.4	4.3	0.6	3.4	0.3	45.4	3.1	8.8	403.6	31.5	979.9		
SMDH 00264	53.9	93.4	201.1	23.9	83.4769	16.2523	1.72643	11.5	1.6	9.2	1.8	6.8	0.7	5.1	0.7	48.2	3.7	8.6	406.9	27.2	906.8	0.9	
SMDH 00264	59.8	91.6	192.2	22.6	76.5205	13.3707	1.72643	11.3	1.8	9.3	1.9	6.7	0.8	5.2	0.7	45.7	3.7	7.4	452.1	28.6	970.3		1.4
SMDH 00264	43.3	90.6	190.0	23.2	77.6799	14.9844	1.61133	10.8	1.4	7.9	1.5	5.1	0.6	3.6	0.6	46.4	3.1	9.7	463.5	31.5	1011.7		
SMDH 00264	42.2	93.4	195.3	23.7	75.3611	14.6386	1.49624	10.4	1.4	7.9	1.5	4.6	0.3	3.5	0.6	45.4	3.3	7.3	455.5	32.9	820.8		
SMDH 00264	43.7	81.3	204.3	21.4	70.7235	13.3707	1.84152	10.2	1.9	5.4	1.0	3.8	0.3	3.2	0.3	41.9	2.7	31.6	443.9	34.3	951.4	1.0	1.5
SMDH 00264	25.7	78.1	167.9	19.8	64.9265	13.8317	1.38114	9.1	0.9	4.6	0.8	3.3	0.3	2.6	0.3	40.4	2.1	9.0	419.8	54.4	741.4		
SMDH 00264	34.1	66.8	151.9	17.5	61.4483	10.9501	1.38114	7.6	1.4	3.7	0.8	1.7	0.3	2.0	0.3	34.4	1.7	9.1	493.4	21.5	690.7		
SMDH 00264	30.7	55.0	126.1	14.7	49.8543	9.10587	1.15095	6.4	1.2	3.4	0.7	2.1	0.3	2.0	0.3	28.7	1.4	9.1	383.8	17.2	617.4		1.4
SMDH 00264	21.4	69.6	146.1	17.3	56.3469	11.2959	1.72643	6.6	0.8	3.8	0.7	1.5	0.3	0.8	0.3	31.3	3.9	8.8	115.0	20.0	340.8		
SMDH 00265	32.1	69.5	150.9	17.8	60.2889	10.1433	0.46038	7.6	1.5	4.1	0.8	1.8	0.3	1.5	0.3	34.2	2.4	13.0	557.5	10.0	495.0		
SMDH 00265	28.8	55.7	118.9	14.1	46.3761	8.0685	1.26605	6.0	1.3	3.4	0.6	1.5	0.3	1.3	0.3	22.3	1.8	8.6	355.0	18.6	819.0		1.6
SMDH 00265	60.5	82.0	181.3	20.2	70.7235	13.0249	1.38114	9.2	1.9	6.2	1.3	3.5	0.6	3.4	0.3	33.8	2.2	8.3	422.5	22.9	886.2		
SMDH 00265	60.3	103.5	226.0	23.3	91.5927	15.4454	1.38114	11.3	2.3	7.8	1.4	3.4	0.6	3.3	0.6	45.1	3.7	12.4	683.2	27.2	855.6	1.3	
SMDH 00265	56.8	69.8	155.2	17.8	61.4483	11.6417	1.26605	7.9	1.6	6.2	1.1	2.9	0.3	2.6	0.3	30.1	2.7	7.8	391.9	22.9	791.4		1.7
SMDH 00265	90.2	111.8	242.8	28.3	102.027	16.8286	2.07171	13.6	2.7	9.3	2.1	5.1	0.9	4.8	0.7	46.8	2.9	9.3	555.0	37.2	1133.6		
SMDH 00265	100.0	119.6	263.9	30.1	103.187	16.9438	1.84152	14.1	2.9	10.3	2.2	5.7	0.9	5.7	0.7	51.0	3.3	14.2	581.8	30.0	1087.8		
SMDH 00265	52.5	77.6	180.9	18.0	74.2017	12.3333	2.07171	8.8	1.8	6.4	1.5	3.2	0.3	3.3	0.3	34.4	2.2	9.8	407.8	24.3	926.2	0.9	1.7
SMDH 00265	72.9	84.2	195.6	20.1	82.3175	13.4859	1.61133	8.6	2.1	8.7	1.8	4.1	0.7	4.4	0.7	36.0	2.6	10.6	517.2	31.5	1500.1		
SMDH 00265	98.1	104.5	243.5	25.0	103.187	16.9438	1.84152	12.3	2.6	11.3	2.5	5.7	1.0	7.2	0.8	46.0	2.9	13.1	585.6	31.5	1369.5		
SMDH 00265	77.2	93.8	213.9	22.0	88.1145	16.0217	1.26605	10.5	2.0	8.9	2.1	4.7	0.8	5.6	0.8	41.7	2.8	11.7	544.5	28.6	1099.3		1.4
SMDH 00265	40.6	110.4	262.6	30.1	92.7521	16.4828	2.18681	10.8	1.9	7.9	1.3	4.2	0.3	3.6	0.3	50.4	4.1	20.6	699.3	25.7	1255.8	0.8	
SMDH 00012t	28.9	79.5	167.4	18.9	62.6077	11.8722	1.72643	7.4	1.1	5.7	1.0	2.4	0.3	2.5	0.3	30.0	2.6	10.0	404.7	20.0	901.4		1.1
SMDH 00012t	37.4	122.9	259.2	28.8	97.3897	18.2117	1.49624	10.9	1.3	7.2	1.1	3.1	0.3	3.1	0.3	49.5	3.7	17.0	706.3	15.7	580.7		
SMDH 00012t	15.6	86.8	185.5	20.8	70.7235	11.9875	1.49624	6.8	0.8	3.7	0.6	1.3	0.3	0.9	0.3	34.0	1.7	7.7	325.8	14.3	641.2		
SMDH 00012t	17.2	62.7	126.7	15.6	53.3325	9.56693	1.26605	6.9	0.8	4.0	0.6	1.1	0.3	1.0	0.3	24.5	1.4	7.4	293.9	17.2	707.8		
SMDH 00012t	19.9	71.2	144.0	18.0	60.2889	11.757	1.38114	7.2	0.8	3.9	0.8	1.6	0.3	1.3	0.3	29.8	1.9	9.4	388.9	14.3	748.4		
SMDH 00012t	21.2	89.8	181.3	22.6	77.6799	14.408	1.26605	9.5	1.1	4.8	0.7	1.3	0.3	1.0	0.3	36.9	2.0	12.3	566.1	20.0	888.8	1.1	1.4
SMDH 00012t	14.2	64.6	135.8	15.3	52.1731	9.56693	1.26605	5.6	0.7	3.2	0.3	1.0	0.3	0.8	0.3	26.0	1.3	7.9	317.3	14.3	793.7	0.3	1.6
SMDH 00012t	37.6	111.0	226.7	27.6	96.2303	17.1744	1.61133	12.7	1.5	7.6	1.4	3.1	0.3	3.0	0.3	48.0	2.0	17.2	729.3	20.0	1253.7		
SMDH 00012t	23.4	81.0	159.4	19.5	70.7235	12.4485	1.26605	8.2	0.9	5.0	0.8	1.9	0.3	1.5	0.3	32.6	1.8	10.5	427.0	25.7	979.2		
SMDH 00012t	11.7	49.1	98.7	12.1	38.2603	7.37691	2.07171	4.7	0.3	2.5	0.3	0.8	0.3	0.6	0.3	19.2	0.9	5.0	208.7	14.3	552.0		
SMDH 00159t	57.4	241.0	534.2	64.4	223.765	37.9219	1.49624	20.3	2.3	11.8	2.1	4.8	0.8	4.5	0.8	113.9	4.8	32.8	1387.3	17.2	492.6		1.5
SMDH 00159t	36.0	110.2	251.2	27.7	98.5491	16.3675	1.61133	9.4	1.2	6.4	1.3	3.1	0.3	3.1	0.3	48.0	2.4	10.6	471.7	20.0	875.0		
SMDH 00159t	41.2	106.0	223.1	27.0	92.7521	15.4454	1.84152	9.2	1.2	6.9	1.4	3.5	0.6	3.6	0.7	46.0	1.8	9.3	403.6	21.5	877.4	1.0	
SMDH 00159t	29.5	133.7	303.4	34.9	120.578	19.5949	1.61133	11.3	1.3	6.3	1.0	2.4	0.3	1.9	0.3	61.0	1.8	11.3	485.5	21.5	1099.7		1.4
SMDH 00159t	32.8	123.6	270.7	32.2	112.462	19.0186	1.61133	10.8	1.3	6.5	1.1	2.9	0.3	2.7	0.3	53.4	1.7	12.0	513.4	21.5	1071.7		
SMDH 00159t	26.0	112.5	247.2	29.2	99.7085	15.9065	1.61133	9.1	0.9	4.9	0.9	2.4	0.3	2.4	0.3	48.0	1.5	9.8	433.9	21.5	1037.1		
SMDH 00159t	28.1	126.5	269.8	32.2	111.303	17.1744	1.49624	10.0	1.1	5.6	1.0	2.5	0.3	2.5	0.3	53.0	1.5	9.3	406.5	24.3	1047.9	0.4	1.5
SMDH 00159t	9.6	55.9	115.7	14.1	46.3761	7.60744	1.72643	3.9	0.3	1.8	0.3	0.8	0.3	0.7	0.3	21.8	0.7	7.7	337.8	14.3	822.2		
SMDH 00159t	3.7	15.2	29.5	3.5	11.594	1.84423	1.61133	1.0	0.3	0.7	0.3	0.3	0.3	0.3	0.3	4.2	0.3	2.8	131.2	8.6	460.2		
SMDH 00159t	13.8	78.4	172.3	20.1	69.5641	11.0654	1.84152	6.0	0.7	3.1	0.3	1.1	0.3	1.0	0.3	33.6	1.1	5.7	240.7	17.2	831.8		1.6
SMDH 00159t	31.3	143.0	311.7	36.4	127.534	21.0934	1.84152	11.8	1.3	6.4	1.1	2.6	0.3	2.7	0.3	61.1	1.9	12.9	592.9	24.3	1134.3	0.4	
SMDH 00159t	24.2	138.7	300.8	35.3	120.578	18.9033	1.84152	10.3	1.2	5.2	0.9	2.1	0.3	2.3	0.3	58.4	1.5	11.7	478.0	22.9	1143.0		
SMDH 00159t	28.0	136.8	297.7	35.1	120.578	20.056	1.61133	10.4	1.2	5.6	1.0	2.6	0.3	2.6	0.3	58.7	1.8	9.8	421.0	12.9	978.7		1.5
SMDH 00159t	21.8	115.6	248.3	29.2	100.868	15.9065	1.72643	8.6	0.9	4.5	0.9	2.1	0.3	1.9	0.3	48.3	1.5	11.8	526.7	15.7	1047.9		
SMDH 00164t	31.9	121.9	254.2	30.3	96.2303	16.3675	0.92076	12.4	1.3	7.3	1.1	3.7	0.3	3.0	0.3	58.8	3.9	14.3	574.0	8.6	516.2		
SMDH 00164t	28.4	89.2	180.8	20.9	71.8829	11.8722	1.72643	8.9	1.1	5.6	0.9	3.2	0.3	3.0	0.6	41.2	2.8	14.3	571.8	11.4	475.6		1.5
SMDH 00164t	30.5	78.6	164.0	18.7	67.2453	11.1806	1.72643	8.2	1.1	5.7	1.0	3.0	0.3	3.4	0.3	32.9	2.2	7.1	301.1	24.3	909.4	1.9	
SMDH 00164t	25.5	72.0	150.2	16.7	59.1295	10.3738	1.38114	7.2	0.9	4.7	0.9	2.4	0.3	2.3	0.3	29.2	1.9	6.7	291.2	24.3	808.2		

BHID	Y_2O_3	La_2O_3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	ThO2	U3O8	HfO2	ZrO2	Nb2O5	TiO2	Moist	BD
units:	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*%*	*g/cm³*
SMDH 00164t	17.9	36.9	76.1	8.8	31.3038	5.18689	1.38114	4.0	0.3	2.9	0.6	1.8	0.3	2.3	0.3	14.6	1.1	5.1	217.1	12.9	525.8		1.4
SMDH 00164t	27.9	72.2	148.6	17.4	59.1295	10.028	1.49624	7.3	1.1	5.5	1.0	2.6	0.3	2.5	0.3	29.0	2.0	7.4	314.5	21.5	839.3		
SMDH 00164t	27.2	80.7	166.3	18.6	66.0859	10.7196	1.49624	8.7	1.1	5.4	0.9	2.5	0.3	2.6	0.3	31.8	2.2	6.5	273.3	22.9	868.5	0.8	
SMDH 00164t	26.0	98.0	205.7	23.3	78.8393	14.408	1.26605	10.2	1.1	6.1	0.9	2.2	0.3	1.8	0.3	39.5	2.8	6.8	292.7	24.3	991.4		1.5
SMDH 00164t	13.1	59.0	121.0	14.4	48.6949	8.64482	1.38114	6.1	0.6	3.2	0.3	1.0	0.3	0.9	0.3	24.8	1.4	5.0	201.3	18.6	923.1		
SMDH 00164t	16.5	83.1	171.7	20.2	70.7235	11.8722	1.38114	8.0	0.9	3.9	0.6	1.4	0.3	1.3	0.3	33.2	2.2	6.1	266.5	25.7	993.2		
SMDH 00164t	23.8	121.5	228.1	25.3	90.4333	16.7133	2.64719	12.7	1.4	6.1	0.8	2.1	0.3	1.5	0.3	41.7	3.1	9.4	443.9	34.3	944.4	0.8	
SMDH 00164t	23.3	91.0	198.6	21.9	66.0859	14.408	1.72643	9.6	1.1	4.9	1.0	2.1	0.3	1.5	0.3	32.0	2.5	7.9	355.5	42.9	1187.6		
SMDH 00164t	33.2	80.6	179.4	20.3	62.6077	12.7943	1.95662	9.3	1.3	6.1	1.4	3.9	0.3	2.5	0.3	30.8	2.8	8.5	378.6	32.9	1007.7		
SMDH 00164t	53.9	75.5	170.5	18.5	61.4483	13.4859	1.95662	10.0	1.3	8.5	2.1	6.0	0.8	4.9	0.8	28.3	3.5	6.4	301.0	37.2	1173.3		1.6
SMDH 00164t	24.5	73.2	161.9	19.1	57.9701	11.757	1.72643	8.7	1.1	4.6	0.9	2.7	0.3	2.0	0.3	29.4	2.6	9.1	461.0	28.6	968.9	0.9	
SMDH 00164t	18.1	85.2	181.9	20.5	69.5641	12.5638	1.72643	7.8	0.8	4.2	0.7	1.8	0.3	1.1	0.3	34.0	2.4	7.9	317.7	22.9	969.4		
SMDH 00164t	17.9	86.2	183.3	20.9	68.4047	12.7943	1.38114	7.7	0.8	4.0	0.6	1.9	0.3	1.3	0.3	32.7	2.0	7.8	315.0	21.5	914.5		
SMDH 00164t	17.9	86.2	183.3	20.9	68.4047	12.7943	1.38114	7.7	0.8	4.0	0.6	1.9	0.3	1.3	0.3	32.7	2.0	7.8	315.0	21.5	914.5		
SMDH 00241t	47.4	161.9	383.0	41.7	158.838	25.8192	1.15095	19.1	2.1	10.4	1.7	5.0	0.7	3.8	0.3	69.2	4.1	24.2	1013.4	12.9	553.8		
SMDH 00241t	53.0	209.4	546.3	57.5	188.982	34.8098	1.84152	25.8	2.7	12.3	1.8	5.0	0.3	3.6	0.3	92.3	4.7	21.6	962.6	17.2	754.3	2.4	
SMDH 00241t	35.2	153.5	388.1	42.9	135.65	25.4734	1.49624	18.7	1.9	9.0	1.3	3.7	0.3	2.4	0.3	67.5	3.7	13.1	544.2	14.3	588.6		1.6
SMDH 00241t	9.8	50.2	122.0	13.6	44.0573	6.91585	1.84152	5.7	0.6	2.5	0.3	0.8	0.3	0.7	0.3	20.6	0.6	4.4	179.8	10.0	484.5		
SMDH 00241t	7.2	40.5	85.0	8.8	28.985	4.8411	1.61133	3.1	0.3	1.6	0.3	0.6	0.3	0.3	0.3	13.9	0.3	4.0	174.3	11.4	393.1		
SMDH 00241t	10.4	52.8	107.4	12.1	41.7385	7.7227	1.38114	4.6	0.6	2.3	0.3	0.7	0.3	0.3	0.3	22.1	0.3	3.5	157.2	7.2	276.1	0.8	1.6
SMDH 00241t	23.7	83.1	178.7	20.1	69.5641	12.218	1.49624	7.8	0.9	4.2	0.8	2.1	0.3	2.3	0.3	36.6	1.2	11.7	474.3	17.2	851.9		
SMDH 00241t	18.1	58.7	123.7	14.2	47.5355	9.3364	1.61133	5.4	0.7	3.4	0.6	1.6	0.3	1.5	0.3	25.4	0.8	7.4	305.1	11.4	555.9		
SMDH 00241t	17.7	81.3	171.2	19.3	64.9265	12.3333	1.61133	8.2	0.9	3.9	0.6	1.5	0.3	1.1	0.3	35.1	1.2	9.8	430.0	18.6	915.4		1.7
SMDH 00241t	16.3	83.8	174.2	19.8	67.2453	12.1027	1.84152	7.4	0.8	3.7	0.6	1.4	0.3	1.0	0.3	35.4	1.1	12.9	561.0	20.0	796.3	0.3	
SMDH 00262t	84.7	295.8	648.0	75.5	256.228	45.9904	1.84152	28.6	3.5	17.4	2.9	9.4	1.0	6.1	0.9	128.3	8.1	34.2	1423.6	12.9	398.3		
SMDH 00262t	26.6	64.8	195.8	16.8	55.6513	10.3738	1.26605	6.4	0.8	5.2	0.9	3.4	0.3	2.6	0.3	33.8	2.1	8.7	372.6	21.5	741.9		
SMDH 00262t	36.0	94.1	205.3	24.1	82.3175	14.0622	1.72643	8.8	1.2	6.2	1.3	4.1	0.6	3.5	0.3	39.7	2.7	7.0	285.2	21.5	636.1	1.0	
SMDH 00262t	41.4	80.9	169.7	20.5	70.7235	12.6791	1.84152	8.2	1.2	6.5	1.5	5.4	0.7	4.3	0.7	33.2	2.4	9.7	398.5	30.0	687.0		
SMDH 00262t	46.8	70.6	179.6	19.3	57.9701	11.5264	1.49624	9.3	1.2	8.0	1.4	5.1	0.7	4.5	0.3	29.6	2.1	10.5	427.1	24.3	774.6		
SMDH 00262t	43.3	82.9	211.6	22.9	71.8829	13.7164	1.61133	10.8	1.4	8.5	1.5	4.9	0.6	3.8	0.3	34.3	2.1	9.8	443.7	22.9	801.2		1.5
SMDH 00262t	30.5	90.4	231.0	25.5	77.6799	14.8691	2.07171	12.4	1.3	6.5	1.0	3.2	0.3	2.0	0.3	38.8	2.2	12.3	527.2	20.0	784.9	1.2	
SMDH 00262t	32.1	72.3	183.3	19.3	62.6077	12.3333	1.95662	9.5	1.1	6.2	1.0	3.4	0.3	3.1	0.3	29.0	1.9	9.2	389.0	30.0	680.7		
SMDH 00262t	45.1	107.8	276.4	29.4	96.2303	17.5202	1.84152	13.9	1.6	8.9	1.5	4.7	0.6	3.6	0.3	45.7	2.6	10.1	447.9	24.3	811.5		1.5
SMDH 00033bt	46.0	201.9	373.3	35.3	127.534	22.9376	1.61133	16.0	1.8	9.2	1.6	3.9	0.6	3.5	0.3	82.3	5.5	24.1	952.3	10.0	532.6	2.8	
SMDH 00033bt	34.9	85.5	177.5	20.7	77.6799	14.0622	1.15095	9.9	1.1	6.6	1.3	3.0	0.3	2.6	0.3	35.9	2.6	11.2	463.6	22.9	1090.4		
SMDH 00033bt	34.3	51.9	105.1	12.7	46.3761	10.6043	1.03586	7.7	1.2	6.2	1.1	3.0	0.3	2.7	0.3	17.1	1.9	7.0	280.6	24.3	1003.5		1.3
SMDH 00033bt	31.6	48.6	100.4	12.7	44.0573	10.6043	1.38114	8.7	1.2	6.2	1.1	2.6	0.3	2.4	0.3	15.3	1.3	7.5	289.6	21.5	1009.1		
SMDH 00033bt	5.7	28.8	52.7	6.4	22.0286	3.68846	1.84152	2.5	0.3	1.1	0.3	0.3	0.3	0.3	0.3	9.3	0.3	5.1	207.6	10.0	350.4	1.5	
SMDH 00033bt	6.2	32.4	61.3	7.2	25.5068	4.03425	2.64719	2.3	0.3	1.1	0.3	0.3	0.3	0.6	0.3	10.3	0.3	7.3	287.9	10.0	305.5		1.6
SMDH 00033bt	5.2	49.2	106.8	12.4	40.5791	5.99374	2.07171	3.7	0.3	1.4	0.3	0.3	0.3	0.3	0.3	18.3	0.6	5.3	235.0	15.7	698.0		
SMDH 00033bt	9.0	43.6	84.5	10.1	34.782	5.53268	1.84152	3.3	0.3	1.8	0.3	0.8	0.3	0.8	0.3	16.4	0.7	6.0	258.7	12.9	933.4		
SMDH 00033bt	7.6	70.3	124.9	14.4	49.8543	7.60744	2.18681	4.0	0.3	1.8	0.3	0.7	0.3	0.3	0.3	20.1	0.7	5.3	248.1	24.3	729.7	1.2	1.6
SMDH 00033bt	21.2	67.3	135.4	15.0	49.8543	8.18376	1.38114	5.6	0.6	3.8	0.8	2.2	0.3	2.0	0.3	26.6	1.7	7.3	329.3	15.7	776.0		
SMDH 00033bt	30.8	75.8	158.6	18.1	62.6077	11.5264	1.72643	7.3	1.1	5.5	1.0	2.7	0.3	2.8	0.3	31.2	2.5	7.5	323.8	21.5	865.9		
SMDH 00044t	33.1	90.5	199.0	20.8	71.8829	13.3707	0.92076	8.2	1.1	6.6	1.1	2.9	0.3	3.1	0.3	36.7	2.2	12.9	571.5	21.5	369.1		1.6
SMDH 00044t	52.7	122.5	263.6	31.7	105.506	18.327	1.95662	12.8	1.5	10.0	1.8	4.5	0.8	4.8	0.7	53.4	3.4	15.1	656.4	22.9	901.0		
SMDH 00044t	22.9	74.5	157.0	17.7	60.2889	10.489	1.72643	7.2	0.8	4.9	0.8	1.7	0.3	1.8	0.3	30.4	1.7	12.3	555.9	21.5	809.4	2.0	
SMDH 00044t	21.2	42.1	85.1	9.5	33.6226	5.18689	1.84152	4.1	0.3	3.4	0.7	1.9	0.3	1.8	0.3	14.6	0.8	9.6	433.7	18.6	717.6		
SMDH 00044t	41.8	85.7	173.9	20.3	71.8829	11.4112	1.49624	8.2	1.1	6.9	1.4	3.8	0.7	3.8	0.6	32.8	1.9	11.0	491.4	21.5	1179.6		
SMDH 00044t	31.9	112.1	232.4	26.9	96.2303	15.7912	1.26605	10.4	1.3	6.5	1.0	2.4	0.3	2.4	0.3	45.2	2.9	11.3	496.1	28.6	1080.8	1.1	1.6
SMDH 00044t	35.0	96.3	202.7	23.5	79.9987	14.2928	1.38114	9.6	1.2	7.1	1.3	2.7	0.3	3.1	0.3	38.7	2.4	10.5	469.3	21.5	1291.8		
SMDH 00093t	56.1	248.8	536.7	62.0	204.055	34.464	1.49624	21.7	2.5	11.9	2.1	6.6	0.8	4.3	0.7	111.3	5.8	29.2	1180.6	14.3	617.8	1.1	
SMDH 00093t	38.3	132.3	280.8	31.9	106.665	17.6354	1.61133	10.9	1.3	7.4	1.3	3.3	0.6	3.3	0.3	58.0	2.8	13.6	588.9	30.0	1041.6		
SMDH 00093t	41.8	143.3	311.8	35.5	120.578	19.9407	1.61133	12.7	1.4	8.0	1.5	3.3	0.6	3.3	0.3	67.1	3.7	14.0	599.1	30.0	1146.2		1.4
SMDH 00093t	37.8	116.9	244.3	27.6	92.7521	15.6759	1.61133	10.3	1.4	8.0	1.1	2.9	0.3	3.0	0.3	50.6	4.2	7.7	326.9	35.8	786.5	0.7	
SMDH 00093t	40.3	89.5	196.7	22.1	74.2017	12.3333	1.15095	8.8	1.2	7.8	1.4	3.2	0.3	3.3	0.3	42.5	3.4	9.9	417.5	30.0	802.8		
SMDH 00093t	42.5	119.8	254.5	30.3	102.027	16.137	1.49624	10.7	1.3	7.4	1.4	4.6	0.3	3.1	0.6	57.0	3.5	7.2	295.6	24.3	691.0		1.4
SMDH 00014bt	19.1	88.3	193.6	22.1	73.0423	13.8317	1.38114	8.0	0.9	4.2	0.7	1.8	0.3	1.3	0.3	39.3	2.7	8.3	340.0	11.4	132.4		1.5
SMDH 00014bt	16.2	102.1	206.1	24.3	79.9987	13.8317	2.30191	8.8	0.8	3.8	0.6	1.4	0.3	0.8	0.3	39.3	1.9	3.5	162.0	8.6	105.6		
SMDH 00014bt	12.0	106.5	206.6	23.4	74.2017	11.1806	2.5321	7.2	0.8	3.2	0.3	1.0	0.3	0.6	0.3	34.2	2.0	3.1	126.3	28.6	117.7		
SMDH 00014bt	22.2	213.2	191.7	44.3	150.722	24.3208	4.02833	15.7	1.5	3.2	0.8	2.3	0.3	1.0	0.3	70.2	2.9	5.7	258.7	24.3	417.0	0.8	1.7
SMDH 00014bt	23.2	192.8	181.1	42.3	148.403	26.626	3.91324	15.5	1.8	3.2	0.8	1.7	0.3	0.9	0.3	75.5	3.8	8.5	341.9	18.6	334.0		
SMDH 00014bt	22.6	185.0	173.4	39.5	127.534	23.5139	3.56795	14.7	1.5	3.1	0.7	2.2	0.3	0.7	0.3	65.4	3.4	7.1	271.1	20.0	308.3		
SMDH 00014bt	24.0	199.3	185.6	42.2	142.606	25.9345	4.02833	16.8	1.6	3.6	0.9	2.2	0.3	0.8	0.3	74.3	2.9	4.6	183.3	15.7	269.8		1.6
SMDH 00014bt	26.0	200.8	186.4	44.0	151.882	26.5108	3.79814	15.8	1.8	3.6	0.8	2.4	0.3	0.9	0.3	73.4	4.7	7.3	270.7	21.5	421.4	0.4	
SMDH 00014bt	25.3	190.0	181.4	40.8	139.128	25.2429	3.33776	15.4	1.6	3.7	0.9	2.2	0.3	1.4	0.3	80.5	7.2	7.4	302.7	188.8	418.8		
SMDH 00014bt	18.9	105.0	151.4	24.4	82.3175	14.6386	3.10757	9.1	0.9	2.9	0.7	1.9	0.3	1.3	0.3	39.6	4.0	6.5	252.2	38.6	437.0		1.7
SMDH 00014bt	8.9	43.8	85.2	10.3	32.4632	6.22427	2.5321	4.1	0.3	1.7	0.3	0.9	0.3	0.7	0.3	16.6	1.7	3.2	154.4	64.4	462.5		