SANDY MITCHELL PROJECT MINERAL RESOURCE ESTIMATE INCREASES 428%

379.4Mt at 5,430ppm MzEq, with 97% in the Measured and Indicated categories

HIGHLIGHTS

- Updated JORC (2012) Mineral Resource Estimate for the Sandy Mitchell Rare Earth Elements and Heavy Minerals Project of **379.4Mt @ 5,430ppm** Monazite Equivalent (MzEq), comprising:
  - Measured: **73.2Mt @ 4,990ppm MzEq**
  - Indicated: **296.4Mt @ 5,570ppm MzEq**
  - Inferred: **9.8Mt @ 4,630ppm MzEq**

    reported at a 1,957ppm MzEq lower cut-off grade
- Measured and Indicated Resources total **369.6Mt @ 5,460ppm MzEq**, representing 97% of the total estimate by tonnage
- Total Heavy Minerals of **3.0%** and Total Commercial Minerals of **16.2%** equating to approximately **11.6Mt of contained heavy minerals** and **61.4Mt of contained commercial minerals** (in-situ; no metallurgical recovery applied)
- Represents a **428% (307.6Mt) increase in tonnes** over the October 2024 Measured MRE of 71.8Mt @ 1,730ppm MzEq – the grades are not directly comparable as the MzEq formula and cut-off grade have been reset (see *Comparison with previous Mineral Resource Estimate*)
- On the Company's review of publicly reported estimates, Sandy Mitchell is the **largest rare earth Mineral Resource reported under the JORC Code (2012) hosted in a residual heavy mineral sand derived from a metamorphic basement complex** (see *Deposit style and basis of comparison*)
- Updated MRE incorporates the Stage 1, Stage 2 and Stage 3 resource drilling programs, with the interpreted mineralised domain grown from 4.05km^2 to 23.3km^2 – approximately 14% of the 169km^2 EPM 28013 – across the 100%-held Mining Lease ML 100409 and EPM 28013
- Estimated in-situ contained minerals of approximately **508,000t monazite**, **527,000t monazite plus xenotime**, **140,000t TREO+Y** and **254,000t zircon** (in-situ; no metallurgical recovery applied)
- High-value basket of heavy and industrial minerals, with total grades: Monazite 1,340ppm, Xenotime 50ppm, Zircon 670ppm; Titanium minerals – Rutile 80ppm, high-Ti Leucoxene 240ppm, low-Ti Leucoxene 150ppm, Altered Ilmenite 250ppm and Ilmenite 270ppm; and Garnet 2.7%, with muscovite (1.1%) and biotite (12.0%) mica as potential co-products
- Magnetic rare earth oxides (Nd, Pr, Dy, Tb) average 90ppm, or approximately **26% of the TREO basket**
- Mineralisation extends from surface to an average sand depth of approximately 11 metres, amenable to low-cost, free-dig, open-pit mining methods
- Substantial growth potential remains across EPM 28013, with the MRE to feed into an updated Scoping Study and subsequent Pre-Feasibility Study, alongside the IHC Mining metallurgical test work program

Table 1: Updated Sandy Mitchell Mineral Resource Estimate by classification at a 1,957ppm MzEq lower cut-off grade.

Classification	Tonnes (Mt)	MzEq (ppm)	THM (%)	TREO+Y (ppm)	Monazite (ppm)
Measured	73.2	4,990	2.6	430	1,310
Indicated	296.4	5,570	3.2	360	1,360
Inferred	9.8	4,630	2.4	370	930
Total	**379.4**	**5,430**	**3.0**	**370**	**1,340**

THM = total heavy minerals (monazite, xenotime, zircon, rutile, high- and low-Ti leucoxene, altered ilmenite, ilmenite and garnet). TREO+Y = total rare earth oxides plus yttrium oxide. Mineral Resources are reported inclusive of all classifications and are not additive to any Ore Reserve, as no Ore Reserve has been estimated for the Project. Figures are rounded and may not sum precisely.

Ark Mines Limited (ASX: AHK) ('AHK' or the **'Company')** is pleased to announce a substantially expanded Mineral Resource Estimate (**MRE**) for its 100%-owned Sandy Mitchell Rare Earth Elements and Heavy Minerals Project in North Queensland, approximately 230 kilometres north-west of Cairns.

The updated MRE incorporates the results of the Company's Stage 1, Stage 2 and Stage 3 resource drilling programs and totals 379.4 million tonnes at 5,430ppm MzEq, comprising a Measured Resource of 73.2Mt, an Indicated Resource of 296.4Mt and an Inferred Resource of 9.8Mt. Measured and Indicated material accounts for 97% of the estimate by tonnage.

***Managing Director Ben Emery said**: "This updated Mineral Resource Estimate transforms the scale of Sandy Mitchell, making it, to our knowledge, the largest rare earth resource reported under the JORC Code (2012) hosted in a residual heavy mineral sand derived from a metamorphic basement complex. Three stages of resource drilling have increased the defined resource by 428% from 71.8Mt to 379.4Mt, with almost all of it now sitting in the Measured and Indicated categories. That is the foundation a Pre-Feasibility Study needs."*

"Just as importantly, the mineralisation has proved to be remarkably consistent. Grades logged and assayed from surface, right across an area that has grown from four square kilometres to more than 23, sit within a narrow range. And there is substantial room to grow further – the current resource footprint covers only around 14% of our 169km^2 tenure. A shallow, flat-lying, free-digging deposit of this size and consistency is straightforward to plan around, and we look forward to seeing this reflected in the updated Scoping Study."

RESOURCE DRILLING

The updated MRE is informed by the Company's Stage 1 (2023), Stage 2 (2023) and Stage 3 (2025) resource definition drilling programs, together with and Stage 2 reconnaissance drilling that falls within the estimation domain. Historic and contemporary auger drilling has been excluded from the estimation.

The Stage 3 resource expansion program, completed by drill contractor Australian Exploration Drilling (AED), comprised 218 productive vertical holes for 2,330.5 metres across 18 drill lines, using air core drilling through the sand column with a reverse circulation face hammer finish to complete the bedrock intercept metre. Holes were drilled to an average depth of approximately 10.7 metres, with heavy mineral sands logged from surface to metamorphic bedrock in every hole and an average sand depth of approximately 10.0 metres (refer ASX announcement 20 August 2026).

Stage 3 was drilled on a 280 metre by 280 metre staggered grid abutting the northern and eastern edges of the Stage 1 and Stage 2 drilling that informed the maiden Measured Resource. That spacing was determined by sensitivity analysis of the variography underpinning the maiden estimate, in order to yield a data density capable of supporting a predominant confidence level of Indicated. The drilling extends beyond the boundary of Mining Lease ML 100409 into EPM 28013, taking the total resource drilling footprint to 2,328.5 hectares.

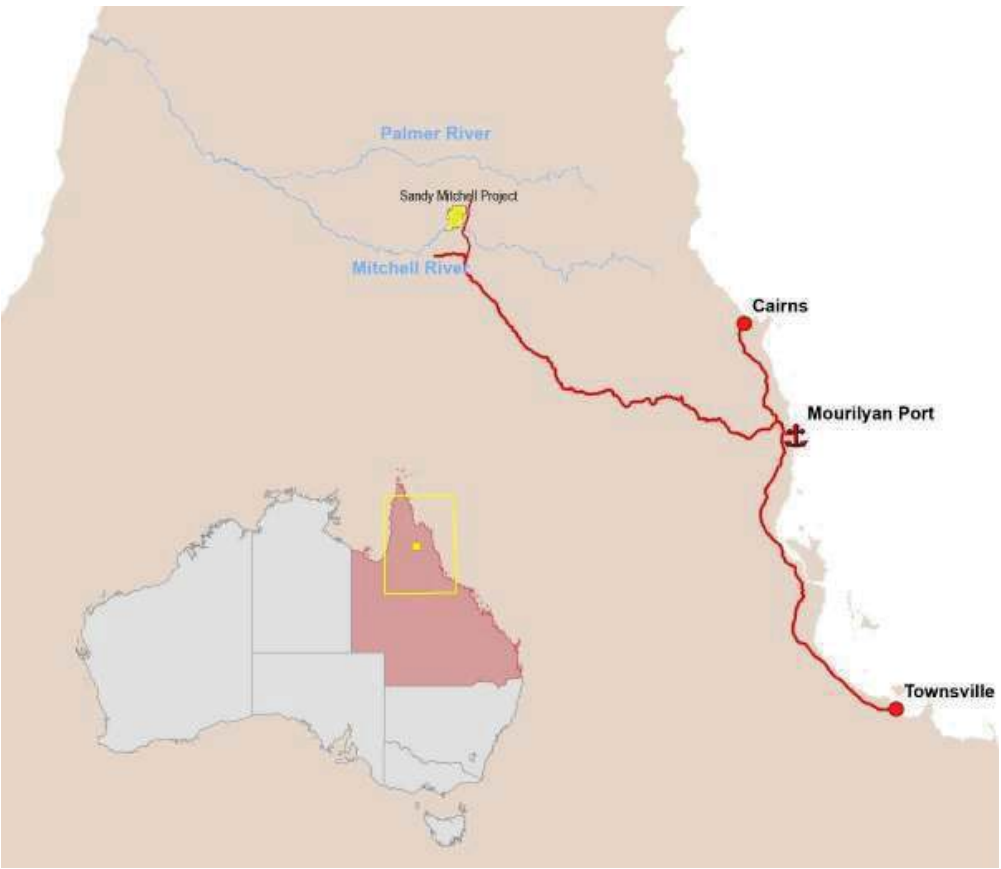

Figure 1: Sandy Mitchell Rare Earth and Heavy Mineral Project location.

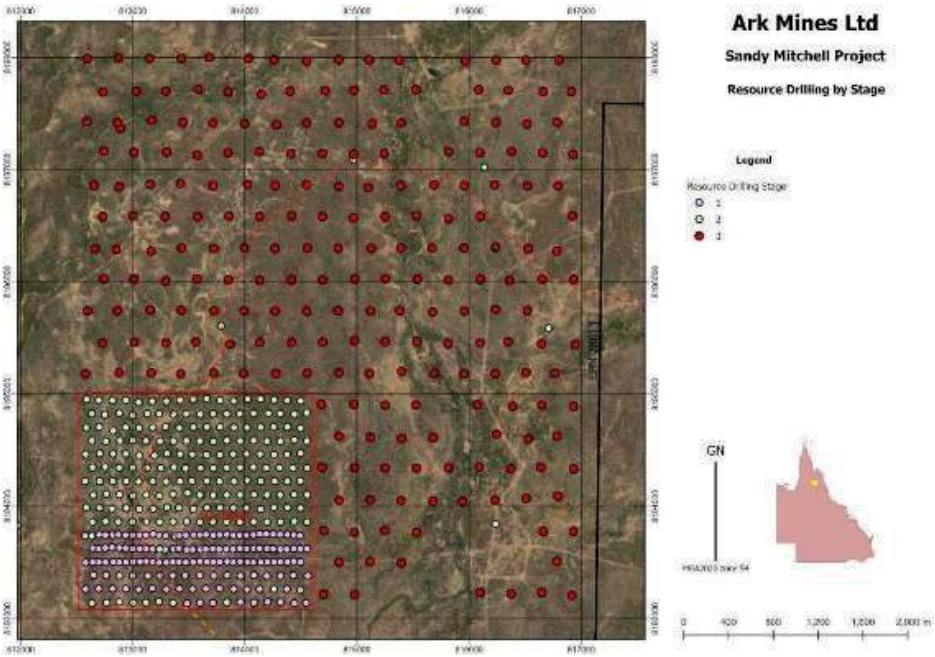

Figure 2: Sandy Mitchell resource drilling by stage. Stage 3 collars shown in red.

The mineral sand domain encompassing the combined three stages of resource drilling, wireframed from the RTK-surveyed topographic surface to the bedrock intersection with a 50% drill spacing interpolation limit, has a volume of 240.6 million cubic metres. That volume excludes a 426,306 cubic metre zone of unmineralised lithology near the south-western corner, within the existing MRE volume, corresponding to a lithological change modelled in the maiden estimate. The wireframe is snapped to the collar at surface and to the bedrock intercept for each drill hole; all intervening surface points are RTK survey pickups by qualified surveyor Twine Surveys, accurate to 20mm in x and y and 200mm in z.

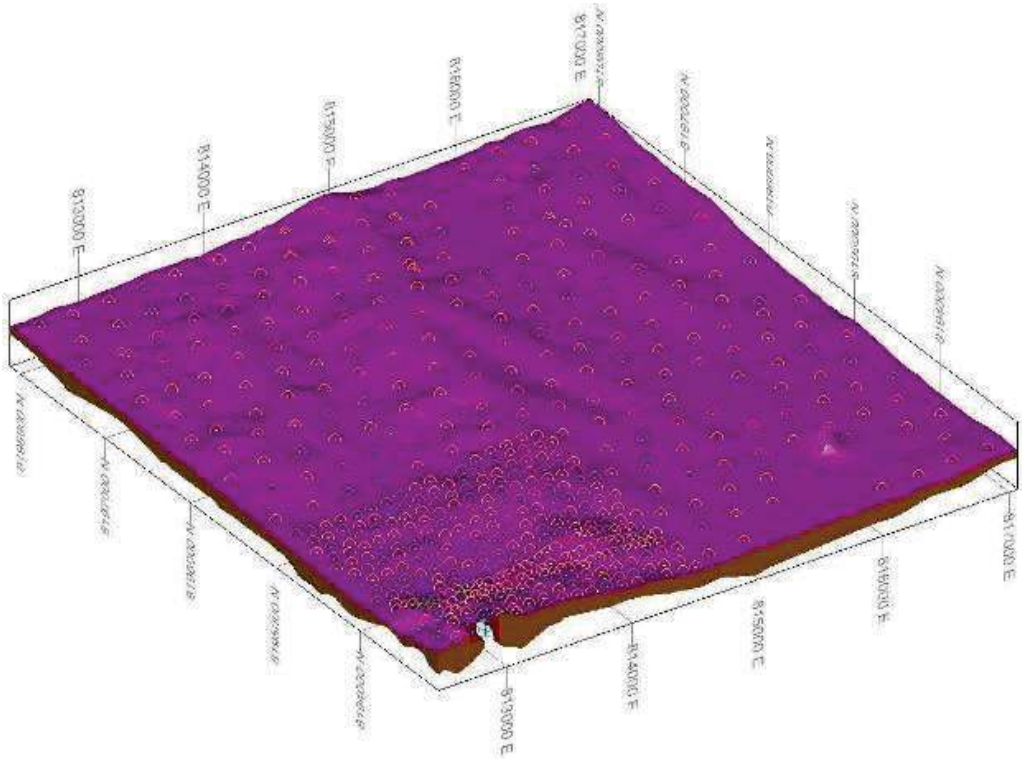

Figure 3: Mineral sand domain wireframe looking north-east, shown at 10x vertical exaggeration with drill collars marked by circles.

One-metre samples were collected across the full sand column and submitted to NATA-accredited Jinning Test and Inspection in Western Australia for multi-element analysis by sodium peroxide fusion with ICP-MS finish, and four-acid digest with ICP-OES or ICP-MS finish as appropriate for the element. Quality control comprised field duplicates at 1 in 40, certified reference standards at 1 in 14, laboratory repeats at 1 in 12 and blanks at 1 in 40, with all raw analytical data independently reviewed by a chartered analytical chemist. Full details are set out in the JORC Code (2012) Table 1 Section 2 Appendix 5.

Table 2: Drilling informing the updated Mineral Resource Estimate.

Program	Year	Holes	Metres	Average depth (m)	Average sand depth (m)
Historic auger (exploration)	2012	101	~500	~5	~5
Stage 1 air core (resource)	2023	144	1,488.3	10.3	10.3
Stage 2 AC/RC (resource)	2023	185	2,427.1	13.0	12.2
Stage 2 AC/RC (reconnaissance)	2023	32	393.0	12.3	11.3
Stage 3 AC/RC (resource)	2025	218	2,330.5	10.7	10.0

Source: HGS Australia, Sandy Mitchell Resource Evaluation Report, August 2026. The 2025 program is designated Stage 3 in the Company's ASX reporting; it is designated Stage 4 in the HGS report, which numbers the December 2023 auger reconnaissance grid separately as Stage 3. Stage 3 comprised 220 collars for 2,334.8 metres, including two failed stubs totalling 4.3 metres, leaving 218 productive holes for 2,330.5 metres.

STAGE 3 DOWN-HOLE ASSAY RESULTS

Assays returned rare earth element, heavy mineral and industrial mineral values in every metre sampled across the Stage 3 program, consistent with the values returned from the Stage 1 and Stage 2 drilling that informed the maiden Measured MRE. Length-weighted down-hole averages for the principal minerals are set out in Table 3 and plotted in Figures 4 to 10 (refer ASX announcement 20 August 2026). Full tabulated data for every hole by the metre is set out in that announcement.

Table 3: Stage 3 length-weighted down-hole averages, compared with all resource drilling stages combined.

Mineral or mineral group	Stage 3 average	Stage 3 maximum	All stages average	All stages maximum
Total heavy minerals (THM)	3.5%	–	3.03%	–
Total commercial minerals (TCM)	16.9%	–	15.5%	–
Monazite plus xenotime	1,413.5ppm	–	1,379.8ppm	–
TREO plus yttrium	361.5ppm	1,433.6ppm	411.7ppm	19,297.9ppm
Zircon	658.7ppm	4,534.5ppm	671.4ppm	10,825.9ppm
Mineral sand depth	10.0m	25m	10.8m	30m

Values are length-weighted down-hole averages per hole. THM comprises monazite, xenotime, zircon, rutile, leucoxene, altered ilmenite, ilmenite and garnet. TCM comprises THM plus muscovite and biotite. These are Exploration Results and are not Mineral Resources; the Mineral Resource Estimate is reported in Tables 1 and 5 to 7.

Stage 3 drilling extends beyond the boundary of the 100%-held Mining Lease ML 100409 into EPM 28013. The area covered by the previous Measured MRE and ML 100409 is 404.1 hectares. Stage 3 drilling covers a further 1,924.4 hectares, for total resource drilling coverage of 2,328.5 hectares.

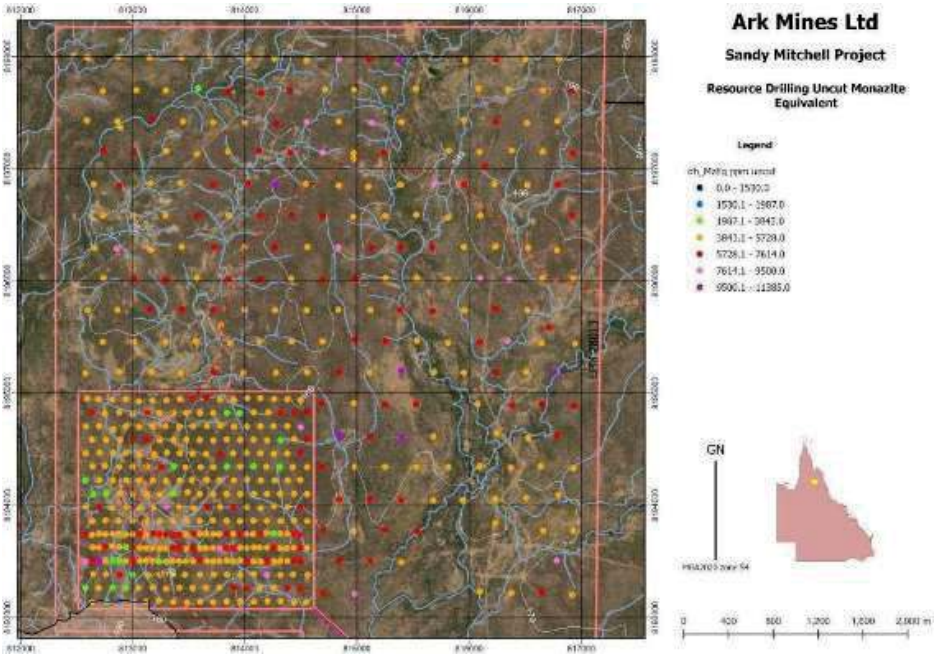

Figure 4: Down-hole monazite equivalent (MzEq) (ppm).

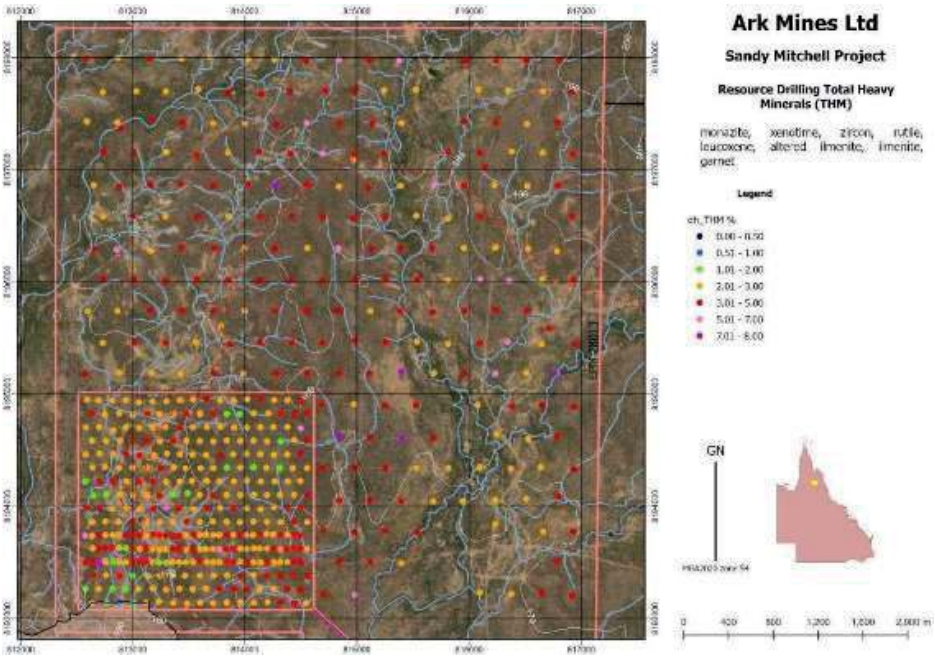

Figure 5: Down-hole total heavy minerals (%) — monazite, xenotime, zircon, rutile, leucoxene, altered ilmenite, ilmenite and garnet.

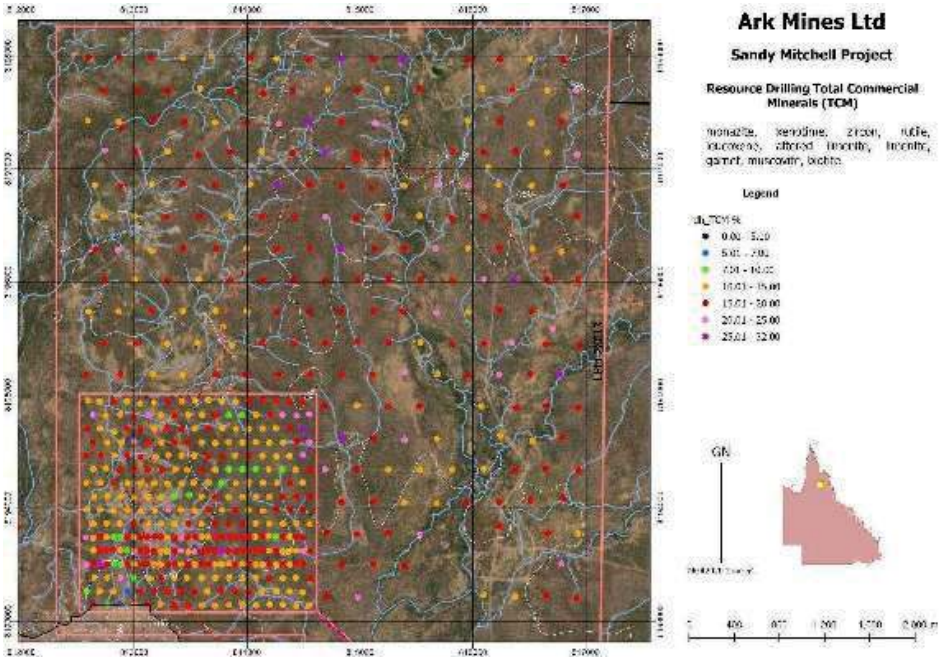

Figure 6: Down-hole total commercial minerals (%) — monazite, xenotime, zircon, rutile, leucoxene, altered ilmenite, ilmenite, garnet, muscovite and biotite.

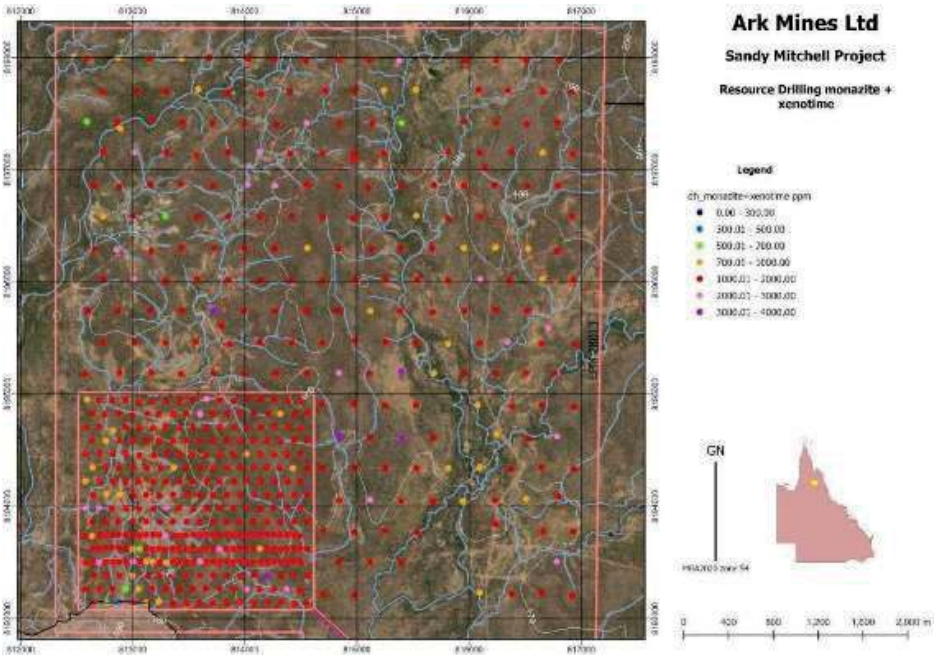

Figure 7: Down-hole monazite plus xenotime (ppm).

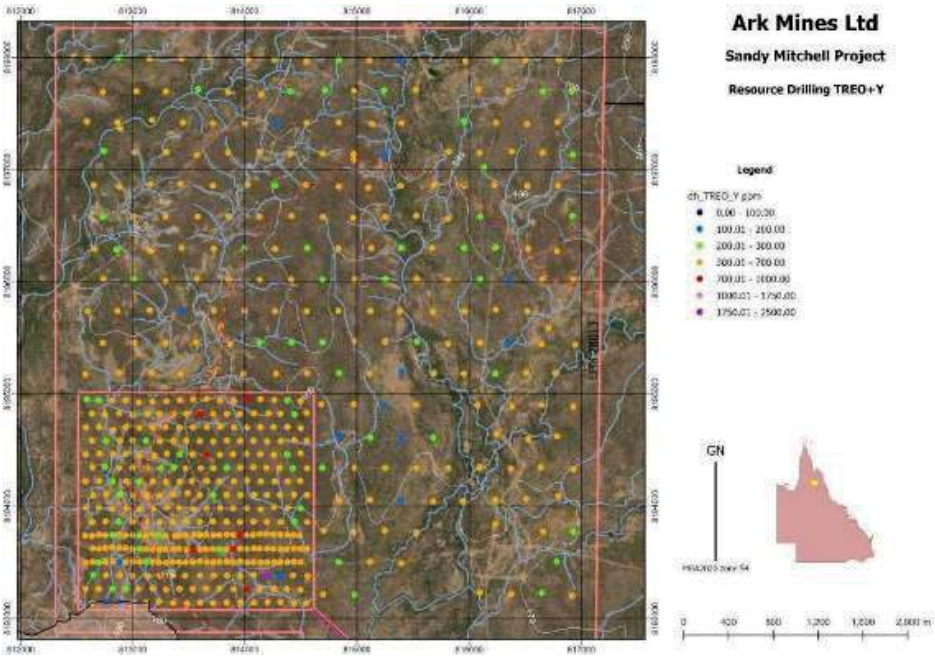

Figure 8: Down-hole total rare earth oxides plus yttrium (ppm).

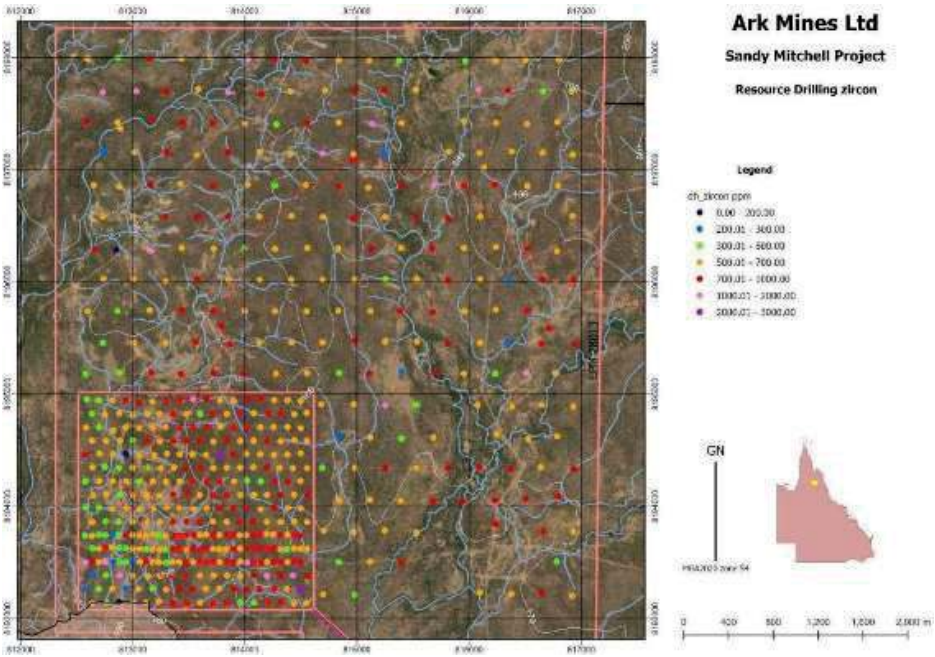

Figure 9: Down-hole zircon (ppm).

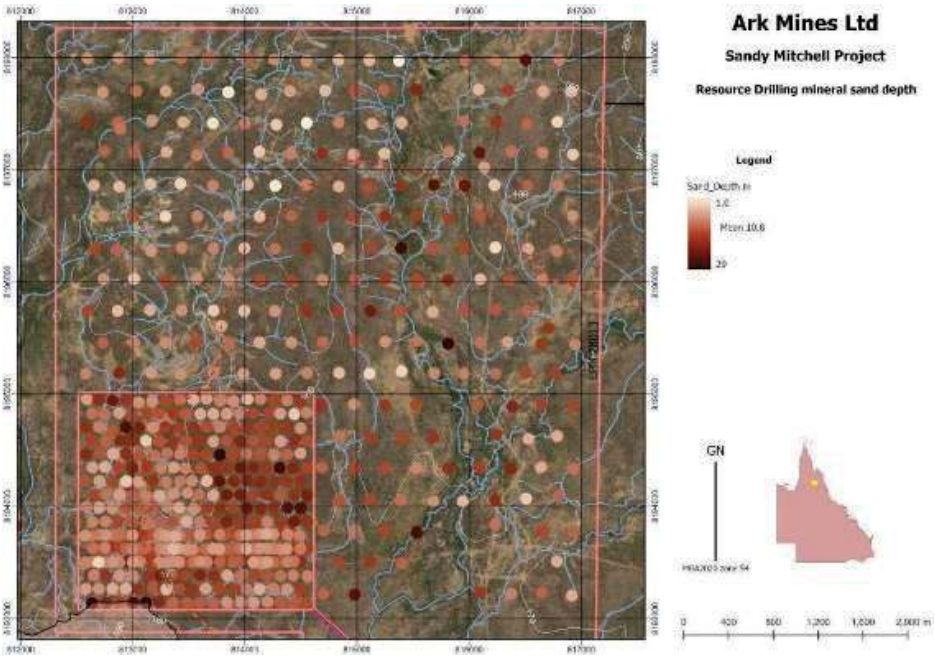

Figure 10: Down-hole mineral sand depth (metres). Mean depth 10.8m across all plotted holes and 10.0m across Stage 3 holes.

GEOLOGY AND MINERALISATION

The Project lies over the southern extent of the Yambo Inlier, west of the Palmerville Fault System. EPM 28013 is underlain in its eastern two-thirds by the Palaeo- to Mesoproterozoic Chelmsford Gneiss, a sillimanite-biotite-garnet gneiss of upper amphibolite to granulite grade, with the western third underlain by the early Devonian Lukinville Granodiorite of the Kintore Supersuite.

Rare earth and heavy mineral mineralisation occurs in the fine to very fine sand fraction of a polymictic, unconsolidated sediment package that is largely devoid of clay through cyclical tropical weathering and drainage. The sands are interpreted to have formed in situ by weathering-driven disaggregation of the underlying Chelmsford Gneiss, supported by pervasive angular monazite and xenotime clasts, coarse muscovite and biotite books, locally derived polymictic clasts, an absence of sorting, and only slightly lower grades where drilling penetrates the gneiss itself. Grades are relatively evenly distributed with respect to profile depth, with no substantial lag enrichment at surface or gravity settling at the base of the profile. The entire sand horizon and the top of the underlying bedrock are fully oxidised.

The mineralised domain is flat-lying and sheet-like, surfacing or near-surfacing and extending to an average depth of approximately 11 metres, with local thicknesses in excess of 20 metres.

Deposit style and basis of comparison

Sandy Mitchell is a residual heavy mineral sand deposit. The sand and its contained rare earth minerals were generated in place by weathering-driven disaggregation of the metamorphic basement immediately beneath them, and have not been transported and hydraulically sorted into a placer. The Competent Person's evidence for this, set out above, includes pervasive angular clasts of monazite and xenotime, coarse and well-crystallised biotite books, locally derived polymictic clasts of Chelmsford lithologies, the absence of grain sorting through the profile, and grades in the underlying gneiss only slightly lower than in the overlying sands.

This distinguishes the deposit from the two rare earth deposit styles it is most often compared with. Transported placer and alluvial deposits — beach and dune mineral sands, and alluvial outwash fans — concentrate detrital monazite and xenotime by hydraulic sorting, and their grade distribution reflects that sorting. Ionic adsorption clay deposits host rare earths adsorbed onto clay minerals and require a leaching circuit to recover them. Sandy Mitchell is neither. Its profile is largely free of clay, with very little secondary clay developed and surficial clays in the uppermost metre interpreted as transported wet season flood wash, and its rare earths occur as discrete mineral grains recoverable by conventional wet gravity and spiral beneficiation. A fine fraction is present: approximately 9% of the as-received ore reports to the minus 45 micron ultrafine fraction, and work is continuing on recovery of monazite from that stream, as described under Metallurgy below.

On the Company's review of publicly reported MREs, Sandy Mitchell is the largest rare earth Mineral Resource reported under the JORC Code (2012) that is hosted in a residual heavy mineral sand derived from a metamorphic basement complex.

Basis of comparison. This statement is a comparison with Mineral Resource estimates publicly reported by other entities. It is based on a review of publicly available Mineral Resource statements reported under the JORC Code (2012) as at the date of this announcement, limited to deposits described by their reporting entity as residual or in-situ heavy mineral sands developed on a metamorphic basement. Estimates reported under other reporting codes, transported placer and alluvial sand deposits, ionic adsorption clay deposits, and hard rock, carbonatite and phosphate-hosted deposits are excluded from the comparison. The Company has no interest in, and does not warrant the accuracy of, the estimates of other entities referred to in that review, and investors should not assume that the comparison is a measure of the relative economic value of the deposits compared.

ESTIMATION METHODOLOGY

The updated MRE was prepared by independent consultants HGS Australia in accordance with the JORC Code (2012). A mineralised outline prepared by Ark was validated by HGS and used to flag and composite sample data to one-metre intervals. Thirty-one elements were extracted for statistical analysis and interpolated independently into the block model.

A block model was constructed in Surpac (version 6.6.2 x64) over the interval 8,193,000mN to 8,198,200mN, 812,300mE to 817,400mE and 115mRL to 205mRL on MGA2020 Zone 54. Parent cells are 50 metres north by 25 metres east by 2 metres vertical, with sub-celling to a minimum of 12.5 metres by 6.25 metres by 0.5 metres, for a total of 1,507,629 blocks. Block size, search distance and sample numbers were determined by kriging efficiency and conditional bias slope optimisation on yttrium at both close-spaced and broad-spaced locations.

Grades were estimated by ordinary kriging using variographically derived search parameters, with an inverse-distance-squared model estimated in parallel for validation. Interpolation used three passes: 20–200 samples within a 200-metre search, 10–200 samples within 400 metres, and 1–200 samples within 800 metres to fill a small number of residual edge blocks. Top-cuts were applied to 28 of the 31 elements to control statistical outliers, determined from histograms and probability plots; holmium, thulium and lutetium required no cutting. Top-cut statistics are set out in Section 2.

Bulk density was interpolated into the model by nearest neighbour from 1,893 gravimetric dry loose bulk density measurements, ranging from 0.48 to 2.41 t/m³ and averaging 1.53 t/m³.

Mineral species were calculated in the block model from the estimated elemental grades using stoichiometric formulae and elemental deportments to mineral species measured by quantitative automated mineralogy (QEMSCAN) conducted by ALS, supported by laser ablation ICP-MS mineral grain assays by CODES Analytical Laboratories. The methodology and calculations have been reviewed by Empirical Earth Science, HGS Australia and MZ Minerals. Calculated mineral fields comprise monazite, xenotime, zircon, rutile, high-and low-Ti leucoxene, altered ilmenite and ilmenite (reported in ppm), and garnet, muscovite, biotite, THM and TCM (reported in per cent), together with TREO, TREO+Y, LREO, HREO, CREO, MagREO and MzEq (reported in ppm)

The model was validated by trend analysis plots comparing composited drill sample grades with interpolated block grades on regular sections for scandium, terbium, dysprosium, holmium, erbium, thulium and ytterbium, and by visual section-by-section comparison of block grades against drill grades for cerium and neodymium. All comparisons were considered acceptable.

MONAZITE EQUIVALENT (MzEq)

Monazite Equivalent is a mineral equivalent grade that expresses the combined contribution of the valuable minerals in the assemblage as a single figure. MzEq is considered the appropriate reporting basis for Sandy Mitchell because the intended product is a mineral concentrate for shipment, so a mineral-weighted equivalent is more representative of the deposit than any single element or oxide. The equation applied is:

MzEq (ppm) = (1.000 × monazite ppm + 1.000 × xenotime ppm + 0.361 × zircon ppm + 0.281 × rutile ppm + 0.165 × high-Ti leucoxene ppm + 0.126 × low-Ti leucoxene ppm + 0.072 × altered ilmenite ppm + 0.065 × ilmenite ppm) + (0.058 × garnet % + 0.026 × muscovite % + 0.015 × biotite %) × 10,000

Each factor is the ratio of the assigned value of that mineral to the assigned value of monazite. Assigned values are based on long-term average prices and do not represent current market values; the factor is intended to capture the value differential between minerals rather than absolute value, and is currency independent because any conversion applies to both numerator and denominator. Only the recoverable portion of the valuable elements is attributed to each mineral, by QEMSCAN-measured elemental deportment. The individual mineral grades contributing to MzEq are reported in Tables 5 to 7.

Table 4: Monazite Equivalent factors and price assumptions by mineral.

Mineral	Product specification	Assigned value (A$/t)	Factor
Monazite	–	9,001.77	1.000
Xenotime	–	9,001.77	1.000
Zircon	–	3,251.91	0.361
Rutile	TiO_2 > 95%	2,527.86	0.281
High-Ti leucoxene	TiO_2 > 85%	1,482.31	0.165
Low-Ti leucoxene	TiO_2 > 70%	1,134.90	0.126
Altered ilmenite	TiO_2 > 55%	645.48	0.072
Ilmenite	TiO_2 > 50%	584.41	0.065
Garnet	–	519.85	0.058

Mineral	Product specification	Assigned value (A$/t)	Factor
Muscovite	–	237.65	0.026
Biotite	–	133.68	0.015

The Monazite Equivalent represents an equivalence of minerals in the ground. It does not incorporate metallurgical recovery or heavy mineral separation performance, as would be required in an Ore Reserve estimate. Metallurgical recovery assumptions are discussed under "Metallurgy" below.

The Competent Person's opinion is that all elements and minerals included in the Monazite Equivalent calculation have a reasonable potential to be recovered and sold.

MINERAL RESOURCE ESTIMATE

The Sandy Mitchell Mineral Resource is reported at a 1,957ppm MzEq lower cut-off grade. The estimate and the reported grades for each modelled mineral and mineral group are set out in Tables 5 to 7.

Table 5: Rare earth mineral and oxide grades by classification at a 1,957ppm MzEq lower cut-off.

Classification	Tonnes (Mt)	MzEq (ppm)	Monazite (ppm)	Xenotime (ppm)	CREO (ppm)	MagREO (ppm)	TREO (ppm)	TREO+Y (ppm)
Measured	73.2	4,990	1,310	50	110	100	400	430
Indicated	296.4	5,570	1,360	50	100	80	330	360
Inferred	9.8	4,630	930	40	100	90	340	370
Total	**379.4**	**5,430**	**1,340**	**50**	**100**	**90**	**340**	**370**

CREO = critical rare earth oxides (Y, Nd, Eu, Tb, Dy). MagREO = magnet rare earth oxides (Pr, Nd, Tb, Dy). TREO = total rare earth oxides. Figures are rounded and may not sum precisely.

Table 6: Zircon, titanium and industrial mineral grades by classification at a 1,957ppm MzEq lower cut-off.

Classification	Zircon (ppm)	Rutile (ppm)	Hi-Ti leucoxene (ppm)	Lo-Ti leucoxene (ppm)	Alt. ilmenite (ppm)	Ilmenite (ppm)
Measured	660	80	220	140	230	250
Indicated	670	80	240	150	250	270
Inferred	660	80	240	150	250	270
Total	**670**	**80**	**240**	**150**	**250**	**270**

Table 7: Garnet, mica and total mineral content by classification at a 1,957ppm MzEq lower cut-off.

Classification	Garnet (%)	Muscovite (%)	Biotite (%)	THM (%)	TCM (%)
Measured	2.3	1.2	10.9	2.6	14.7
Indicated	2.9	1.1	12.3	3.2	16.6
Inferred	2.2	1.1	11.7	2.4	15.2
Total	**2.7**	**1.1**	**12.0**	**3.0**	**16.2**

THM = total heavy minerals (monazite, xenotime, zircon, rutile, high- and low-Ti leucoxene, altered ilmenite, ilmenite and garnet). TCM = total commercial minerals (THM plus muscovite and biotite).

Full elemental grade tabulation for the individual rare earth and trace elements, including scandium, thorium, uranium, niobium, hafnium, arsenic and sulphur, is set out in Section 2.

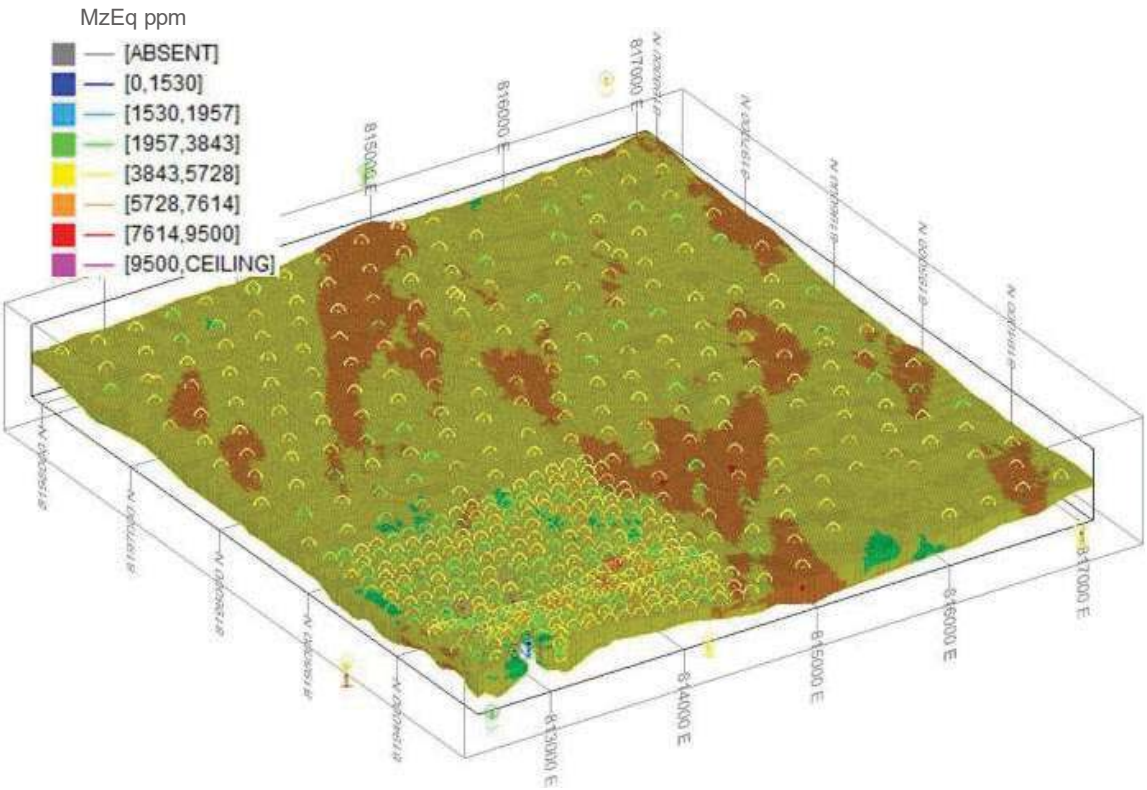

Figure 11: Sandy Mitchell updated block model, isometric view coloured on monazite equivalent.

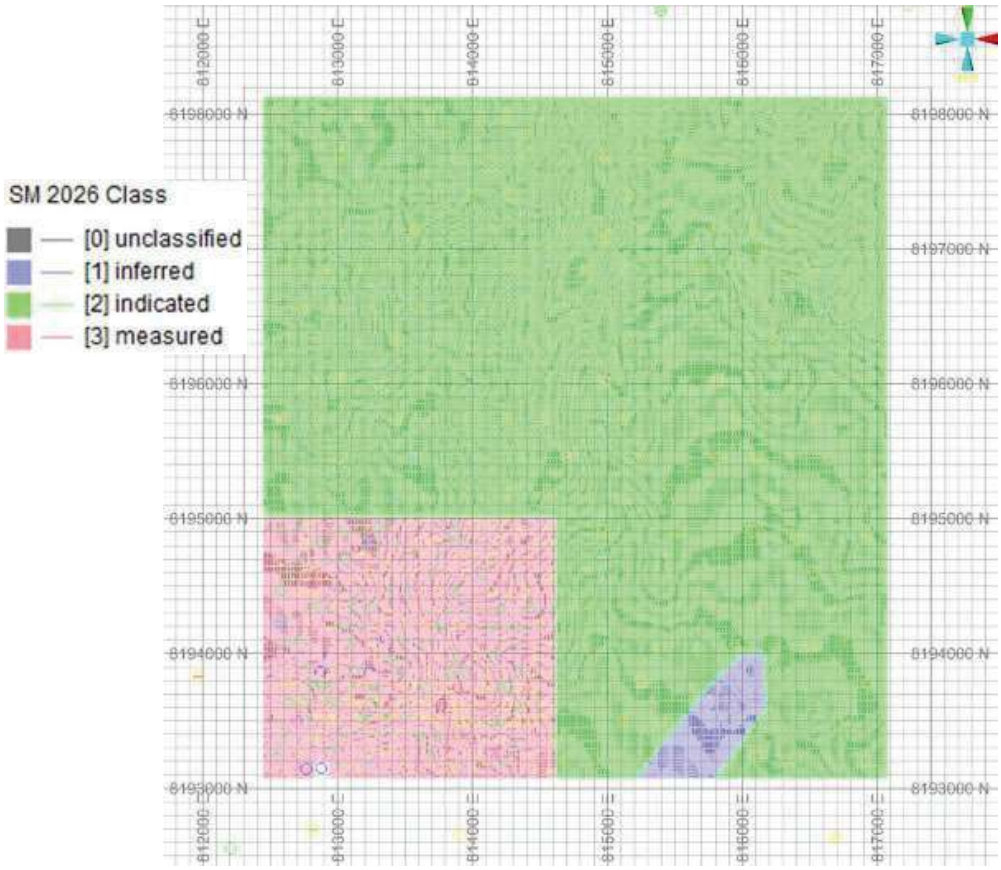

Figure 12: Sandy Mitchell Mineral Resource classification with drill collars.

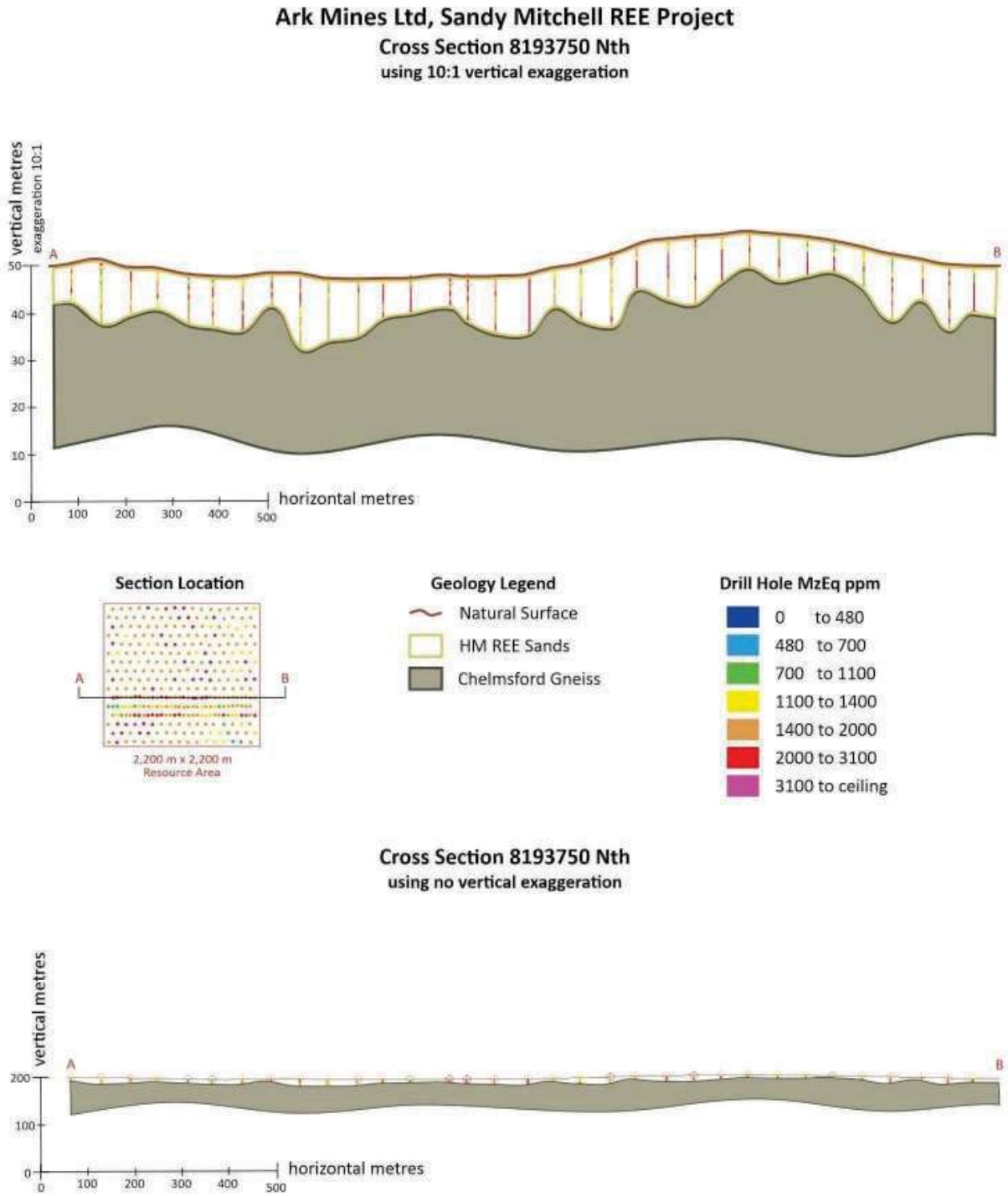

Figure 13: Sandy Mitchell west to east cross section at 8,193,750mN through the rare earth and heavy mineral sand, coloured for monazite equivalent, shown at 10x vertical exaggeration.

CUT-OFF GRADE AND REASONABLE PROSPECTS FOR EVENTUAL ECONOMIC EXTRACTION

The 1,957ppm MzEq lower cut-off grade reflects the extended mineral suite now included in the MzEq calculation. It was determined by statistical analysis to isolate the mixed population in the left tail of the grade distribution and truncate the low-grade tail, while honouring the interpreted geology and acting as an effective discriminator. The spatial correlation between the previously applied 700ppm MzEq cut-off and the 1,957ppm MzEq cut-off is exact: the new cut-off yields the same geologically validated domain constraints as the old one on the old MzEq basis.

In forming the view that the estimate has reasonable prospects for eventual economic extraction, the Competent Person has had regard to: mineralisation that surfaces or near-surfaces and extends to an average depth of approximately 11 metres, supporting free-dig open-pit mining with a negligible strip ratio; an unconsolidated, clay-poor sand host requiring no drilling and blasting and no primary crushing; metallurgical test work indicating that a saleable heavy mineral concentrate can be produced by conventional wet gravity separation without full-stream grinding; a multi-product mineral assemblage with established end-use markets; and the granted tenure and access position described below. No mining, processing, infrastructure, capital or operating cost study has been completed to a level that would support an Ore Reserve, and no Ore Reserve has been estimated.

METALLURGY

Test work by Mineral Technologies at its Carrara laboratory produced a final concentrate grading 51.9% TREO, with direct CeO_2 recovery from gravity feed to concentrate estimated at 71.7%, and an indicated overall recovery of up to 83.8% once intermediate streams that would normally be recycled in continuous operation are accounted for.

Quantitative automated mineralogical analysis by ALS on two size fractions of a +2.85 SG composite feed confirmed that cerium, lanthanum and neodymium are hosted principally by monazite, yttrium by xenotime, and zirconium and hafnium exclusively by zircon.

A scoping-level metallurgical program conducted by IHC Mining in 2025 examined the characterisation of run-of-mine material and preliminary process options. Phase 1 results indicated that crushing the +2mm oversize fraction to a 2mm top size lifts TREO distribution into the heavy mineral fraction to 48.4% on head feed and 71.6% on the deslimed sandy fraction, and ZrO_2 distribution to 54.5% and 67.2% respectively; that attrition scrubbing ahead of wet gravity concentration is not required; that the +0.5mm heavy mineral fraction is a well-liberated potential garnet source; and that garnet, monazite and zircon in the finer fractions are well liberated below 0.25mm. Multi-gravity separation of finer fractions and wet high-gradient magnetic separation for monazite recovery from slimes have been recommended for assessment in Phase 2.

The Competent Person considers that the metallurgical assumptions underpinning the Mineral Resource Estimate remain reasonable. Further test work will be used to refine metallurgical factors in subsequent resource updates and studies. The IHC Mining Phase 2 report was not available at the date of the resource evaluation report.

CLASSIFICATION

Classification has been applied in accordance with the JORC Code (2012) guidelines. Measured classification has been applied in the close-spaced south-western area drilled at 100 metres by 100 metres or closer. Indicated classification has been applied across the remainder of the estimation domain. Inferred classification has been applied to one small area in the central south-east of the domain where drilling could not be conducted because of pastoral access constraints. The Company is planning further drilling to increase confidence in that

area in a future program.

In arriving at these classifications, the Competent Person has had regard to the consistency of mineralisation and grade continuity demonstrated across three drill grid patterns (100 metres by 50 metres, 100 metres by 100 metres staggered and 280 metres by 280 metres staggered), the quality of the drilling and assay quality assurance and quality control, collar survey by qualified surveyor using RTK differential GPS, strong recognition of geological controls on mineralisation, grade variability sufficient to produce robust variograms, the level of metallurgical understanding, and the shallow, simple nature of the mineralisation.

COMPARISON WITH PREVIOUS MINERAL RESOURCE ESTIMATE

The previous Sandy Mitchell MRE, reported on 2 October 2024, comprised 71.8Mt at 1,730ppm MzEq in the Measured category, reported at a 700ppm MzEq lower cut-off grade. The reported grades in the two estimates are not directly comparable, for two reasons.

First, the MzEq formula has changed. The October 2024 formula combined eight heavy minerals: monazite, xenotime, zircon, rutile, high- and low-Ti leucoxene, altered ilmenite and ilmenite. The updated formula adds garnet, muscovite and biotite, following the addition of iron, manganese, magnesium and aluminium to the assay suite and the stoichiometric calculation of those three minerals. As biotite alone averages 12.0% and garnet 2.7%, the extended formula produces a materially higher MzEq value for the same rock.

Second, and consequentially, the lower cut-off grade has been reset from 700ppm to 1,957ppm MzEq. The Competent Person has determined that the two cut-offs are spatially equivalent on their respective MzEq bases and constrain the same geologically validated domain.

The increase in tonnage is attributable to the Stage 3 drilling, which expanded the interpreted mineralised domain from 4.05km² to 23.3km². The Measured category is broadly unchanged in tonnage (71.8Mt to 73.2Mt), with the growth in the newly defined Indicated category.

Table 8: Comparison of the October 2024 and August 2026 Mineral Resource Estimates.

Parameter	October 2024 MRE	August 2026 MRE
MzEq basis	8 minerals	11 minerals (adds garnet, muscovite, biotite)
Lower cut-off grade	700ppm MzEq	1,957ppm MzEq
Classification	Measured	Measured, Indicated and Inferred
Measured tonnes	71.8Mt	73.2Mt
Indicated tonnes	Nil	296.4Mt
Inferred tonnes	Nil	9.8Mt
Total tonnes	71.8Mt	379.4Mt
Reported MzEq grade	1,730ppm	5,430ppm
Interpreted domain area	4.05km²	23.3km²
Estimation method	Ordinary kriging	Ordinary kriging

EXPLORATION TARGET

The Company's previously reported Exploration Target for the Sandy Mitchell Project is in the range of 1,320Mt to 1,580Mt at a grade range of 1,290ppm to 1,900ppm MzEq (refer ASX announcement 6 November 2024).

Table 9: Sandy Mitchell JORC (2012) Exploration Target.

	Tonnage	Grade
Lower bound	1,320Mt	1,290ppm MzEq
Upper bound	1,580Mt	1,900ppm MzEq

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 whether further exploration will result in the estimation of a Mineral Resource.

Basis of the Exploration Target

The Exploration Target is based on reconnaissance drill hole coverage across the prospective area of the tenement, the interpreted thickness and lateral extent of the mineral sand sheet, the grade population derived from reconnaissance assays, and the tonnage and grade assumptions used to derive the upper and lower bounds of the reported ranges. The reconnaissance drilling on which it relies comprises the Stage 2 reconnaissance program of 32 air core and reverse circulation holes for 393 metres, together with the Stage 3 auger exploration grid. These were drilled at wide spacing to cover as much of the tenement as possible, with hole distribution controlled by rig access along existing tracks and fence lines.

The Competent Person considers the auger reconnaissance data to be of good quality for exploration purposes, but below resource confidence standards because the drill type involves outside sample return with attendant contamination potential, equivalent to a rotary air blast sample. Examination of the data shows none of the patterns or biases typical of significant up-hole contamination.

Relationship to the updated Mineral Resource Estimate

The Exploration Target was estimated on the previous eight-mineral MzEq basis and, when reported, was in addition to and did not include the then-current Mineral Resource of 71.8Mt. The Stage 3 drilling that informs this updated Mineral Resource Estimate was carried out within the area to which the Exploration Target relates, and has expanded the interpreted mineralised domain from 4.05km² to 23.3km².

Accordingly, a substantial part of the previously reported Exploration Target has now been converted to Mineral Resources. The previously reported Exploration Target should no longer be read as being additional in full to the updated MRE, and the grade ranges are not directly comparable with the MzEq grades reported in this announcement because of the change in the MzEq basis described above. The Company will restate the Exploration Target, on the revised MzEq basis and net of the updated MRE, in a subsequent announcement.

The updated MRE represents only part of the previously reported Exploration Target, and the Company considers there is substantial scope for further Mineral Resource growth within EPM 28013, which covers 169km² against a current resource drilling footprint of 23.3km². As such, any growth is subject to the cautionary statement above.

TENURE AND MATERIAL INFORMATION

The Mineral Resource is located within the 100%-held Mining Lease ML 100409 and Exploration Permit for Minerals EPM 28013. EPM 28013 was granted on 22 August 2022 and expires on 21 August 2027. The Company is not aware of any impediment to the renewal of that tenure. ML 100409 was granted on 12 March 2026 with an expiry date of 31 March 2036. Company is not aware of any impediment to the renewal of that tenure.

ML 100409 covers 4.04 ha and is covered by granted Environmental Authority P-EA-100805234 for environmentally relevant activity: non-scheduled mining activity. To date an ecological scoping assessment has been completed, a ground water infiltration study has been completed, a ground water monitoring and testing programme has been designed and implemented, and an environmental impact assessment covering the resource, potential infrastructure and future expansion area is currently in the scoping phase. A cultural heritage survey covering the resource area has been completed and an expanded survey covering future expansion potential and infrastructure potential is schedule for later this year.

The estimate includes modelled grades for lead, arsenic and sulphur for environmental purposes. Both are estimated at low levels; the block model averages are set out in Section 2. Thorium and uranium are hosted principally in monazite and zircon respectively, and their handling, transport, storage and product specification will be managed under the applicable radiation safety regime. This is a material consideration in monazite product marketing.

Access to the tenements is via Dimbulah to Chillagoe, then along the Burke Developmental Road to the Mount Mulgrave turnoff and north to the property, with final access via station tracks and cleared fence lines, a road distance of approximately 250 kilometres from Mareeba. Ground access is not currently available during the wet season.

SUMMARY OF MATERIAL INFORMATION (ASX LISTING RULE 5.8.1)

The following summary is provided in accordance with ASX Listing Rule 5.8.1. Further detail is set out in JORC Code (2012) Table 1 (Appendix A).

Geology and geological interpretation

The Project lies over the southern Yambo Inlier. The mineralisation is a residual heavy mineral sand developed in situ by weathering-driven disaggregation of the underlying Chelmsford Gneiss, a sillimanite–biotite–garnet gneiss of upper amphibolite to granulite grade. The mineralised domain is a flat-lying, clay-poor sheet of fine to very fine sand, extending from surface to an average depth of approximately 11 metres, and is fully oxidised. Grades show no significant surface lag enrichment or basal gravity settling. The domain was wireframed from the RTK-surveyed topographic surface to the drill-intersected bedrock surface, extrapolated to half the drill spacing, and excludes a 426,306m³ zone of unmineralised lithology. The rare earths occur principally in monazite and xenotime, and zirconium and hafnium in zircon, as confirmed by QEMSCAN.

Drilling techniques

The estimate is informed by 144 Stage 1 air core holes (1,488.3m, 2023), 185 Stage 2 air core holes with reverse circulation face hammer finish (2,427.1m, 2023), 218 Stage 3 air core holes with reverse circulation face hammer finish (2,330.5m, 2025, drilled by AED) and five Stage 2 reconnaissance holes within the domain. Drill grids were [60m × 120m and 120m × 120m] (Stage 1), 120m × 120m (Stage 2) and 280m × 280m staggered (Stage 3). All holes are vertical and were drilled to complete the final metre in bedrock. All collars were surveyed by a qualified surveyor using RTK DGPS. Historic (2012) and Company (2023) auger drilling was excluded from the estimate.

Sampling and sub-sampling techniques

Samples were collected by the metre through a cyclone with a gated chute, opened at the end of each metre, and riffle split 12.5:87.5 to produce a representative sample in a pre-numbered calico bag, with the reject retained. Sample recovery was assessed by weighing each metre and comparing it with bulk density measurements; no relationship between recovery and grade was identified. Field duplicates were taken at 1 in 40 to 1 in 45 by riffle split of the sample (Stage 1) or of the bulk reject (Stages 2 and 3). At the laboratory, samples were kiln dried and pulverised to 94% passing 75 microns before aliquot selection. Gravimetric dry loose bulk density was measured on 1 in 3 (2023) and 1 in 4 (2025) samples.

Sample analysis method

Stage 1 and 2 samples were analysed by North Australian Laboratories (AusTest) and Stage 3 samples by NATA-accredited Jinning Testing & Inspection. Rare earth elements, Sc, Y, Th, U, Zr, Hf, Nb, Ta, Sr, Pb and As were determined by sodium peroxide fusion with ICP-MS finish; major elements including Al, Ca, Fe, Mg, P, S, Si and Ti by sodium peroxide fusion with ICP-OES finish; and Na and K by four-acid digest with ICP-OES finish. These are total digestion methods appropriate for resistate minerals. Quality control comprised certified reference standards, laboratory repeats, field duplicates, blanks (Stage 3) and independent fusion calibration standards. QC results were reviewed by a chartered analytical chemist, by the Company's Competent Person in a QAQC report, and by HGS, and the assay data were found to be fit for Mineral Resource estimation with no material bias identified.

Estimation methodology

The MRE was estimated by HGS Australia in Surpac 6.6.2. Samples were composited to 1m, and 31 elements were estimated independently by ordinary kriging into parent blocks of 50m N × 25m E × 2m RL, sub-blocked to 12.5m × 6.25m × 0.5m, using three search passes (200m, 400m and 800m). Top cuts were applied to 28 elements. Mineral species grades were calculated from the estimated element grades using stoichiometry and QEMSCAN-measured elemental deportment. Dry bulk density was estimated by nearest neighbour from 1,893 gravimetric dry loose bulk density measurements averaging 1.53 t/m³. The model was validated by swath plots and sectional comparison with drill data. Tonnages are reported on a dry basis.

Criteria used for classification

Measured Resources are defined in the close-spaced south-western area within ML 100409. Indicated Resources are defined in the 280m × 280m staggered Stage 3 area, the spacing having been selected from variographic sensitivity analysis to support Indicated confidence. Inferred Resources are defined in one area in the central south-east that could not be drilled because of pastoral access. The Competent Person considered drill density, geological and grade continuity demonstrated across three grid spacings, QAQC results, survey quality, density data and the simple, shallow geometry of the deposit.

Cut-off grade, including the basis for the selected cut-off grade

The MRE is reported above a 1,957ppm MzEq lower cut-off grade. The cut-off also coincides with the statistical break between the mineralised and low-grade populations and defines the same geological domain as the previous 700ppm MzEq cut-off on the previous MzEq basis. MzEq is calculated using the assigned values in Table 4 and the recovery assumption stated under Monazite Equivalent. In the Company's opinion all minerals included in the MzEq calculation have a reasonable potential to be recovered and sold.

Mining and metallurgical methods and parameters, and other material modifying factors considered to date

Mining. The mineralisation is unconsolidated, surfaces or near-surfaces, and has a negligible strip ratio. It is considered potentially amenable to free-dig open-pit mining by excavator, loader or dozer without drilling and blasting. No mining dilution or ore loss has been applied, and no minimum mining dimensions have been assumed.

Metallurgy. Mineral Technologies test work produced a monazite-rich concentrate grading 51.9% TREO, with CeO_2 recovery of 71.7% direct and up to 83.8% with recycle of intermediate streams. IHC Mining Phase 1 test work recorded TREO distribution to the heavy mineral fraction of 48.4% on head feed and 71.6% on the deslimed fraction. Approximately 9% of feed reports to the minus 45 micron fraction, and recovery of monazite from that stream is under assessment. Recovery and product quality of garnet, muscovite and biotite have not yet been tested.

Other modifying factors. ML 100409 is subject to a landholder compensation agreement and is covered by a granted Environmental Authority. A cultural heritage survey of the resource area has been completed and an environmental impact assessment is at scoping stage. Thorium in monazite will require concentrate handling, storage and transport under the applicable radiation safety regime. Ground access is not currently available during the wet season. No Ore Reserve has been estimated.

MINERAL ASSEMBLAGE AND END-USE MARKETS

The Sandy Mitchell heavy mineral assemblage comprises monazite and xenotime (rare earth phosphates), zircon, and the titanium minerals ilmenite, altered ilmenite, leucoxene and rutile, together with garnet. Biotite and muscovite mica report to the lighter fraction and are potential co-products.

The commentary below is general information on the end-use markets for these minerals and their contained elements. It is not a statement that the Company will produce or sell any of these products, nor a forecast of production, recovery, product specification or revenue. No economic assessment of any potential co-product has been completed.

Monazite — light rare earth phosphate

Monazite, $(Ce,La,Nd,Th)PO_4$, is the principal rare earth host at Sandy Mitchell and is dominated by the light rare earth elements, together with thorium. Its contained elements have the following established end uses:

- **Neodymium and praseodymium (NdPr)** — the magnet rare earths. Alloyed with iron and boron to make NdFeB permanent magnets, the strongest commercially available magnets. Used in electric vehicle traction motors, direct-drive wind turbine generators, industrial robotics and automation, hard disk drives, speakers and headphones, and defence actuators and guidance systems.
- **Lanthanum** — fluid catalytic cracking catalysts used in petroleum refining, nickel-metal hydride battery alloys, high refractive index optical glass for camera and instrument lenses, and hydrogen storage alloys.
- **Cerium** — precision glass polishing compounds for optics, display glass and semiconductor wafers; automotive catalytic converters; ultraviolet-absorbing and decolourising agents in glass manufacture; and metallurgical alloying.
- **Samarium** — samarium-cobalt permanent magnets, which retain magnetic performance at high operating temperatures and are used in aerospace, defence and downhole applications where NdFeB magnets are unsuitable.
- **Gadolinium and europium, present in minor concentrations** — phosphors for lighting and displays, and neutron-absorbing applications.
- **Thorium** — a naturally occurring radioactive element hosted in the monazite lattice. Thorium is under active international development as a fuel for thorium molten salt reactors. Its presence also requires handling, transport, storage and product specification to be managed under the applicable radiation safety regime, and this is a material consideration in monazite product marketing.

Xenotime — heavy rare earth phosphate

Xenotime, $(Y,Yb,Er,Dy)PO_4$, hosts the heavy rare earth elements, which are considerably scarcer than the light rare earths and generally attract materially higher unit values. Its contained elements have the following established end uses:

- **Yttrium** — yttria-stabilised zirconia used in thermal barrier coatings for gas turbine blades, technical and dental ceramics and solid oxide fuel cell electrolytes; phosphors for LED lighting and displays; yttrium aluminium garnet laser crystals; and high-temperature superconductors.
- **Dysprosium and terbium** — the heavy rare earths added to NdFeB magnets to raise coercivity and preserve magnetic performance at the elevated operating temperatures found in electric vehicle traction motors and wind turbine generators. Both are recognised internationally as supply-critical.
- **Gadolinium** — contrast agents for magnetic resonance imaging, and neutron-absorbing materials used in nuclear reactor control and shielding.
- **Erbium** — erbium-doped fibre amplifiers, which are fundamental to long-haul optical telecommunications, along with surgical and dermatological lasers, and pink colourant in glass and glazes.
- **Holmium, ytterbium and lutetium** — specialty solid-state and fibre lasers, high-strength permanent magnet applications, medical imaging scintillators, radiopharmaceuticals, and calibration standards.

Zircon

Zircon ($ZrSiO_4$) is used principally as an opacifier in ceramic tiles and sanitaryware, where it provides whiteness and surface durability. Other established markets include refractories and foundry sands for high-temperature metal casting, zirconia chemicals and engineered ceramics, abrasives, and nuclear-grade zirconium metal for fuel rod cladding. Value is driven by ZrO_2 content and by low levels of deleterious elements, particularly uranium, thorium, iron and titanium.

Titanium minerals — ilmenite, altered ilmenite, leucoxene and rutile

The titanium mineral suite is feedstock for titanium dioxide pigment, the white pigment used in paints and coatings, plastics, paper, inks, cosmetics and food colouring. Higher-grade rutile and leucoxene are also feedstock for titanium sponge and titanium metal used in aerospace structures, medical implants and chemical plant, and rutile is used in welding rod flux coatings. Value is driven by contained TiO_2 and by the level of chromium, vanadium and other impurities.

Garnet

High-quality garnet commands premium pricing across waterjet cutting, abrasive blasting, water filtration media, lapping and polishing, aerospace and precision manufacturing, and specialised ceramics. Value is driven by hardness, toughness, grain shape and size distribution, chemical inertness and consistent performance across recycling cycles. Almandine garnet is increasingly preferred to silica sand for abrasive blasting because of its very low free crystalline silica content, which reduces the occupational silicosis risk associated with silica-based abrasives.

Muscovite mica

High-purity muscovite mica has potential to access premium-value markets including electrical and thermal insulation, capacitor and semiconductor components, aerospace and defence composites, automotive and industrial paints and coatings, engineered plastics and rubber, pearlescent pigments and cosmetics, joint compounds and construction products, and drilling fluid additives. Value is driven by exceptional purity, low iron content, large flake size, high aspect ratio and consistent specification.

Biotite (black mica)

Biotite has established industrial markets as a ground mineral and functional filler in construction materials, plaster and joint compounds, paints and coatings, plastics and rubber, and as a lost-circulation and viscosity additive in drilling fluids. It is also used as a slow-release potassium source and soil conditioner in agriculture and horticulture. Market value is driven by purity, particle size distribution, flake integrity, refractory potential, and consistent product quality.

NEXT STEPS

- Completion of the IHC Mining metallurgical test work program.
- Completion and release of an updated Scoping Study incorporating the revised MRE and metallurgical results.
- Infill drilling to close off the Inferred area in the central south-east of the resource, subject to pastoral access.
- Restatement of the Exploration Target on the revised MzEq basis and net of the updated MRE.
- A Pre-Feasibility Study, to be prepared with third-party mineral processing specialists, targeted for completion in CY2027.

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

– ENDS –

For more information, please contact:

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ABOUT ARK MINES LIMITED

Ark Mines Limited (ASX: AHK) is an ASX-listed Australian mineral exploration and development company focused on its 100%-owned Sandy Mitchell Rare Earth and Heavy Minerals Project in North Queensland. Sandy Mitchell hosts all critical light rare earths together with heavy rare earths including dysprosium (Dy), terbium (Tb), holmium (Ho), erbium (Er), thulium (Tm), ytterbium (Yb) and yttrium (Y), and a basket of high-value heavy and industrial minerals including zircon, titanium minerals and garnet. The mineralisation is amenable to low-cost, open-pit mining and straightforward beneficiation by gravity processing.

PREVIOUSLY REPORTED INFORMATION

The information in this announcement relating to the previous Mineral Resource Estimate for the Sandy Mitchell Project is extracted from the ASX announcement “Updated Measured Mineral Resource Estimate (MRE) at Sandy Mitchell Rare Earth and Heavy Mineral Project” released on 2 October 2024. The information relating to the Exploration Target is extracted from the ASX announcement “Sandy Mitchell Project Exploration Update” released on 6 November 2024. The information relating to the Stage 3 drilling results is extracted from the ASX

announcement "Sandy Mitchell Stage 3 Resource Expansion Drilling Results" released on 20 August 2026. The information relating to the Scoping Study is extracted from the ASX announcement "Sandy Mitchell Scoping Study delivers a commercial Rare Earth and Heavy Mineral operation" released on 11 December 2024. Each of these announcements is available at www.arkmines.com and on the ASX Market Announcements Platform.

The Company confirms that it is not aware of any new information or data that materially affects the information included in those market announcements and, in the case of estimates of Mineral Resources, the Exploration Target and the production target and forecast financial information derived from it, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed, other than as disclosed in this announcement in relation to the Mineral Resource Estimate and the Exploration Target.

COMPETENT PERSON'S STATEMENT

Mineral Resource Estimate and Exploration Target

The information in this announcement that relates to the Mineral Resource Estimate and to the Exploration Target is based on, and fairly reflects, information compiled by Andrew James Hawker of HGS Australia, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (No. 210569) and a Member of the Australian Institute of Geoscientists (No. 5343). Mr Hawker is the Principal Geologist and sole director of Hawker Geological Services Pty Ltd trading as HGS Australia, and is independent of the Company. 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 this announcement of the matters based on his information in the form and context in which it appears.

Exploration Results

The information in this announcement that relates to Exploration Results is based on, and fairly reflects, information compiled by Daemon de Chaeney, a Competent Person who is a Member of AusIMM and a Member of AIG. Daemon de Chaeney is employed by Ark Mines Limited. Daemon de Chaeney 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. Daemon de Chaeney consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

MINERAL RESOURCE STATEMENT

The resource estimates are classified in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC, 2012). The 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 JORC Code (2012). Mr Hawker consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears. The classification was considered appropriate based on drill hole spacing, sample intervals, geological interpretation, the representativeness of all available assay and density data and the QAQC evaluation, and reflects the confidence in short-range grade estimations in the model. The Mineral Resource is reported on a dry in-situ basis. No Ore Reserve has been estimated for the Project, and the Mineral Resource is therefore reported without reference to any Ore Reserve.

FORWARD-LOOKING STATEMENTS

This announcement contains forward-looking statements, including statements regarding the updated Mineral Resource Estimate, the Exploration Target and its intended restatement, metallurgical test work, the updated

Scoping Study and the Pre-Feasibility Study, and the potential markets and applications for the minerals identified at Sandy Mitchell. Forward-looking statements are based on the Company's current expectations and assumptions as at the date of this announcement and are subject to known and unknown risks, uncertainties and other factors, many of which are outside the Company's control. Actual results, performance and achievements may differ materially from those expressed or implied. References to end-use markets and applications are general market information and do not constitute a representation that the Company will produce, recover or sell any product, or achieve any particular product specification, recovery, price or revenue. Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities. To the maximum extent permitted by applicable laws, Ark Mines makes no representation and gives no assurance, guarantee or warranty as to the accuracy or completeness of any forward-looking information contained in this announcement. The Company does not undertake to update any forward-looking statement except as required by law.

Section 2 - HGS Australia Resource Evaluation Report & Appenices

SANDY MITCHELL REE PROJECT

Resource Evaluation Report

For Ark Mines Ltd

August 2026

Andrew Hawker (*BSc. Geol MAusIMM MAIG MSEG AWASM)*

Principal Geologist

HGS Australia

Version – FINAL

EXECUTIVE SUMMARY

At the request of Ark Mines Ltd (Ark), HGS Australia (HGS) conducted a resource update of the Sandy Mitchell REE Project located in northern Queensland.

This resource is a significant update on the November 2024 resource with additional drilling covering an area from 4.05km² in 2004 to 23.3km² in 2026, an increase of 19.25km². The major update included an increase in drilling of 218 holes for 2330m.

The project is located 230 km north-west of Cairns and 200km north north-west of Chillagoe in Far North Queensland

HGS created a new database from spreadsheets of collars, surveys, geology and assay data provided by Ark. A new database was requested due to additional elements assayed and calculations for minerals/compounds. A high-quality QAQC sampling protocol and report was conducted by Arc 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.
- A mineralised outline was conducted by Ark and validated by HGS within the coordinates:
    - 8193000 N to 8198200 N,
    - 812300 E to 817400 E and
    - 115RL to 205RL.
- The interpretation was used in compositing the sample data.
- Sample data was composited to 1m intervals, and 31 elements were extracted for statistical analysis and 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.
- A geological block model was 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 sufficient to interpolate into the model.
- Ordinary Kriging interpolation method was used for the evaluation of each of the 31 elements.
- High-grade cutting was conducted on outlier assays for most of the elements.
- The resource is classified as mostly indicated with Measured in the southwest due to a much tighter data density and inferred in one small area where drilling could not be conducted due to pastoral issues.

A block model was created in Surpac (version 6.6.2 x64) called:

- "**sandy_mitchel_model_aug2026.mdl**". Uses Ordinary Kriging (OK) interpolation on the upper-cut datasets.

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 1957ppm MzEq lower cut-off grade. The November Resource is classified under JORC code as Measured as follows:

MzEq Cut-off	Tonnes	Mzeq (ppm)	Alt Ilmenite (ppm)	Creo (ppm)	Hi Ti Leucoxene (ppm)	Ilmenite (ppm)	Lo Ti Leucoxene (ppm)	Magreo (ppm)	Monazite (ppm)	Rutile (ppm)
Measured	73,191,000	4,990	230	110	220	250	140	100	1,310	80
Indicated	296,388,000	5,570	250	100	240	270	150	80	1,360	80
Inferred	9,842,000	4,630	250	100	240	270	150	90	930	80
Total	**379,421,000**	**5,430**	**250**	**100**	**240**	**270**	**150**	**90**	**1,340**	**80**

MzEq Cut-off	Tonnes	Treo (ppm)	Treo + Y (ppm)	Xenotime (ppm)	Zircon (ppm)	Garnet (%)	Muscovite (%)	Biotite (%)	Tcm (%)	Thm (%)
Measured	73,191,000	400	430	50	660	2.3	1.2	10.9	14.7	2.6
Indicated	296,388,000	330	360	50	660	2.9	1.1	12.3	16.6	3.2
Inferred	9,842,000	340	370	40	660	2.2	1.1	11.7	15.2	2.4
Total	**379,421,000**	**340**	**370**	**50**	**670**	**2.7**	**1.1**	**12.0**	**16.2**	**3.0**

- *Mzeq = monzonite equivalent*
- *Alt ilmenite = altered ilmenite*
- *Creo = Critical REE Oxides*
- *Hi Ti Leucoxene = high titanium leucoxene*
- *Lo Ti Leucoxene = low titanium leucoxene*
- *Magreo = Magnet Production REE Oxides*
- *Treo = Total REE oxides*
- *Treo + Y = Total REE oxides plus Yttrium oxide*
- *TCM = total commercial minerals*
- *THM = total heavy minerals*

KEY ABBREVIATIONS

$ or AUD	Australian Dollar
AusIMM	Australasian Institute of Mining and Metallurgy
Ag	Silver
AIG	Australian Institute of Geoscientists
Al	Aluminium
Alt ilmenite	Altered ilmenite
Ark	Ark Mines Limited
As	Arsenic
ASX	Australian Stock Exchange
Au	Gold
Ca	Calcium
Ce	Cerium
CO2	Carbon Dioxide
Company	Ark Mines Limited
Creo	Critical REE Oxides
Dy	Dysprosium

Er	Erbium
Eu	Europium
Fe	Iron
Gd	Gadolinium
GDA	Geocentric Datum of Australia
g/t	Grams per tonne
Ha	Hectare(s)
Hf	Hafnium
HGS	Hawker Geological Services Pty Ltd trading as HGS Australia
Hi Ti Leucoxene	High titanium leucoxene
Ho	Holmium
JORC Code	2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists, and Mineral Council of Australia.
K	Thousand
km	Kilometres(s)
km²	Square kilometre(s)

La	Lanthanum
Lo Ti Leucoxene	Low titanium leucoxene
Lu	Lutetium
M	Million
Magreo	Magnet Production REE Oxides
Mineral Resource	A 'Mineral Resource' is a concentration or occurrence of solid material of economic interest in or on the Earth's crust in such form, quality, and quantity that there are reasonable prospects for eventual economic extraction. The location, quantity, quality, continuity, and other geological characteristics of a Mineral Resource are known, estimated, or interpreted from specific geological evidence and knowledge, including sampling. Mineral Resources are sub-divided, in order of increasing geological confidence, into Inferred, Indicated, and Measured categories.
Mn	Manganese
Mg	Magnesium
Mt	Millions of tonnes
Mo	Molybdenum
MoEq	Molybdenum equivalent. Used by combining the ratios of the price values for molybdenum, copper and silver.
Nb	Niobium

Nd	Neodymium
Pb	Lead
Ppb	Parts per billion
ppm	Parts per million
Pr	Praseodymium
QAQC	Quality assurance and quality control
QFP	Quartz feldspar porphyry
QP	Qualified Professional (Andrew Hawker)
RC	Reverse Circulation. A drilling method where the air goes down an inner tube of the drill rod and the sample chips come up between the inner tube and outer part of the drill rod.
REE	Rare Earth Elements
S	Sulphur
Sc	Scandium
Sm	Samarium
Sr	Strontium
t	Tonne

Tb	Terbium
TCM	Total commercial minerals
Th	Thorium
THM	Total heavy minerals
Ti	Titanium
Tm	Thulium
Treo	Total REE oxides
Treo + Y	Total REE oxides plus Yttrium
U	Uranium
USD	United States Dollar
Y	Yttrium
Yb	Ytterbium
Zn	Zinc
Zr	Zircon

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1.0 INTRODUCTION

HGS Australia (HGS) at the request of Ark Mines Ltd (Ark) conducted a 2012 JORC compliant resource evaluation on the Sandy Mitchell Rare Earth Metals Project in northern Queensland.

The Sandy Mitchel project area was selected as a target based on the Sandy Creek drainage system which empties into the Mitchell River. The creek drains a large area of Mesoproterozoic metasediments of the Yambo Inlier which has been intruded by lower Palaeozoic granitoids. These rock units have been shown historically to contain heavy minerals and REEs within them and within their weathered profiles.

The major minerals containing rare earths are monazite and xenotime which are recovered from beach sand and mineral sand deposits. Early exploration in the Sandy Mitchell area was for heavy minerals (Laskan Minerals Pty Ltd, 1970). Subsequent exploration (O'Toole, 1982; Barron, 1990) concentrated on the heavy mineral content of all the creeks and streams draining the Inlier. The most recent exploration programs were carried out by BHP Billiton in a wider ranging exercise for nickel, copper and PGE, (Crosato, 2007).

This resource is a significant update on the November 2024 resource with additional drilling covering an area from 4.05km² in 2024 to 23.3km² in 2026, an increase of 19.25km². The major update included an increase in drilling of 218 holes for 2330m. The resource includes additional elements from the November 2024 resource of Fe, Mn, Mg and Al, plus additional compound/mineral calculations for garnet, muscovite, biotite, THM (total commercial minerals) and TCM (total heavy minerals).

The data supplied by Ark was extensive with wireframe interpretations of mineralisation, QAQC reporting and spreadsheet data containing collar, survey, assay, geology and downhole density results. The report includes multiple element reporting and stoichiometric calculation factors for oxides and element ratios of minerals.

HGS conducted statistical analysis and interpolated individually all elements into the model and conducted block math for the stoichiometric formulae.

The objective of this study is to produce a resource estimation of the elements that define REE as well as deleterious and other compound forming elements. The final outcome was in determining the monzonite equivalent (MzEq) as the mineable product will be sold as a concentrate.

The grid system used was MGA2020 zone 54.

2.0 DISCLAIMER

This disclaimer must accompany every copy of this Report, which is an integral document and must be read in its entirety.

2.1 Statement of Capability and Independence

Ark has commissioned HGS to prepare this report. The author Mr. Andrew James Hawker is a consulting geologist with over 35 years of experience in mineral exploration, development, resource estimation and mining of mineral projects. Mr Hawker has worked for many mining and exploration companies in exploration, underground & surface mining, and resource evaluations before founding HGS Australia (geological consultancy) in 2009. Mr. Hawker has experience in all areas of Australia, Middle East, West Africa and Ukraine. His experience includes performing and assisting in resource studies for precious and base metals, iron ore, strategic metals, and industrial metals. HGS has assisted and conducted exploration and resource evaluations for over 70 clients including, setting up quality control systems for sampling and assaying, geological modelling, grade estimation, ore management processes and procedures, evaluation of mineral projects for scoping studies and feasibility studies and auditing of mineral resource studies.

Mr. Hawker is a member of the Australian Institute of Geoscientists (MAIG #5343) and the Australasian Institute of Mining and Metallurgy (MAusIMM #210569).

Mr. Hawker is independent of Ark and has no equity interest in either Company or any of their projects, nor is he entitled to any future interest in the Company nor its projects. Payment for services is based on standard professional fees that are not contingent on the conclusions of this report.

2.2 Data Provided

HGS is satisfied that Ark has made available copies of all relevant information it holds and has used in the preparation of the Resource Evaluation Report. This Report has been prepared from information available up to 14th August 2026. Any conclusions expressed in this report are therefore only valid before this date

and may change with time in response to variations in economic, market, legal or political factors, in addition to on-going exploration results.

2.3 Field Visits

A field visit was conducted by HGS covering the Sandy Mitchel Project on the 11th of November 2025. Details are in Section 15.

2.4 Forward Looking Statements

This report contains certain statements that may be deemed to be “forward looking statements” All statements, other than statements of historical fact, which address events or developments that HGS, or Ark expects to occur, are forward looking statements.

Forward-looking statements are statements that are not historical facts and are generally but not always identified by the words “expects”, “plans”, “anticipates”, “believes”, “intends”, “estimates”, “projects”, “potential” and similar expressions, or that events or conditions “will”, “would”, “may”, “could” or “should” occur.

Although HGS believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward-looking statements. Factors that could cause the actual results to differ materially from those in forward-looking statements include market prices, exploration and production successes or failures, continued availability of capital and financing, inability to obtain required shareholder or regulatory approvals, and general economic market or business conditions.

Forward-looking statements are based on the beliefs, estimates and opinions of HGS on the date the statements are made.

2.5 JORC Compliance Statement

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled or reviewed by Mr Andrew James Hawker, a Competent Person whois a Member of The Australasian Institute of Mining and Metallurgy, and the Australian Institute of Geoscientists. Mr Hawker is the Principal Geologist employed by Hawker Geological Services Pty Ltd trading as 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 inthe 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 informationin the form and context in which it appears.

2.6 Competent Person Consent

I, Andrew James Hawker, confirm that I am the Competent Person for this Report and:

- I have read and understood the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition).
- I am a Competent Person as defined by the JORC Code, 2012 Edition, having five years' experience that is relevant to the style of mineralisation and type of deposit described in the Report, and to the activity for which I am accepting responsibility.
- I am a Member of The Australasian Institute of Mining and Metallurgy (No: 210569) and the Australian Institute of Geoscientists (No: 5343).
- I have reviewed the Report to which this Consent Statement applies. I am a full-time employee of Hawker Geological Services Pty Ltd trading as HGS Australia.

I have disclosed to the reporting company the full nature of the relationship between myself and the company, including any issue that could be perceived by investors as a conflict of interest.

I consent to the release of the Report and this Consent Statement by the directors of Ark Mines Limited.

Andrew James Hawker

Sole Director & Principal Geologist

Hawker Geological Services Pty Ltd

3.0 LOCATION

Sandy Mitchell is located 230 km north-west of Cairns and 200 km north north-west of Chillagoe in Far North Queensland (Figure 1).

Access to the tenement is via Dimbulah to Chillagoe, then along the Burke Developmental Road to the Mount Mulgrave turnoff, proceeding north to that property. Access to the tenement is then via station tracks and cleared fence lines to the west of the station. The road distance from Mareeba is approximately 250 kilometers.

Access is not available during the wet season.

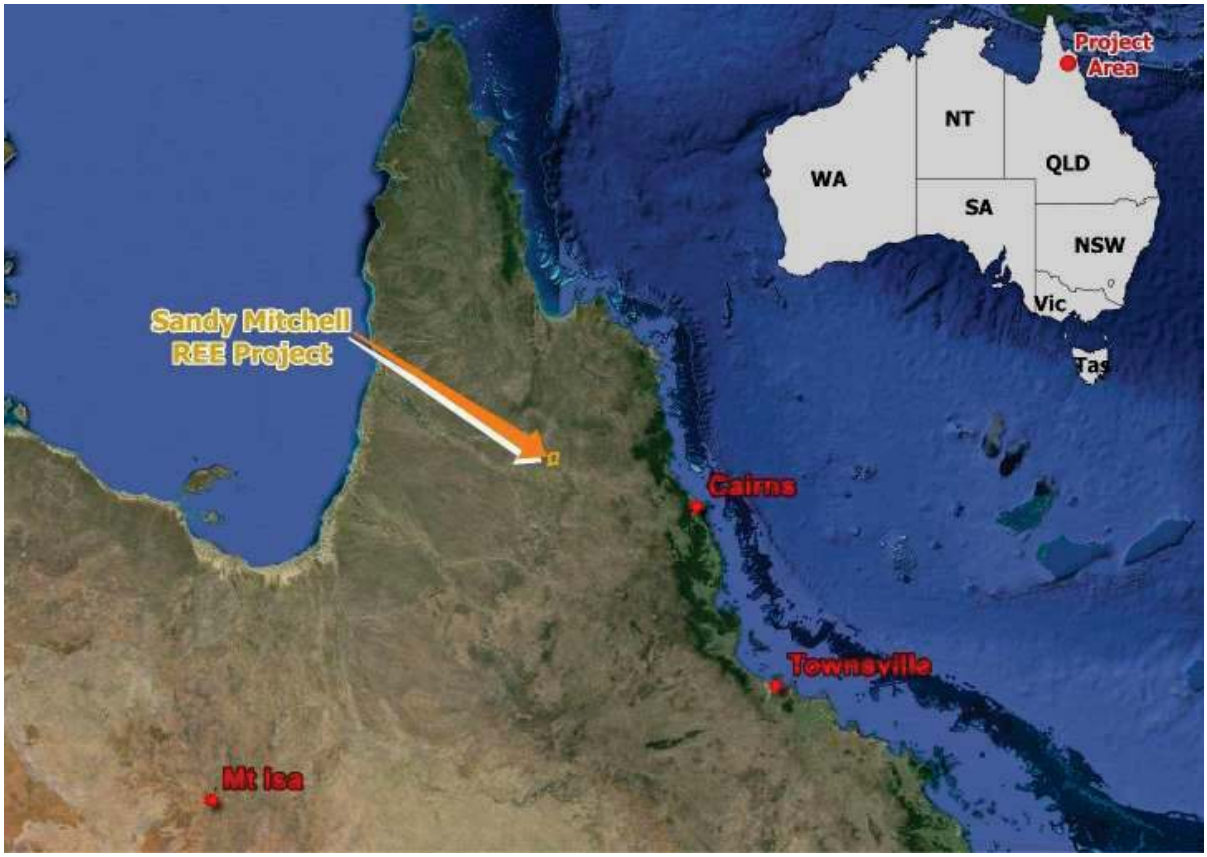

Figure 1: *Sandy Mitchel location plan.*

4.0 TENEMENT

Ark Mines Sandy Mitchell REE project is located across two tenements, EPM28013 and ML100409 both under ownership of Ark Mines Ltd, (Figure 2): EPM28013 has an area of 161.2km², was granted on 22/08/2022 and expiry date of 21/08/2027. ML100409 has an area of 4.04km^2, was granted on 12/03/2026 and expiry date of 31/03/2036.

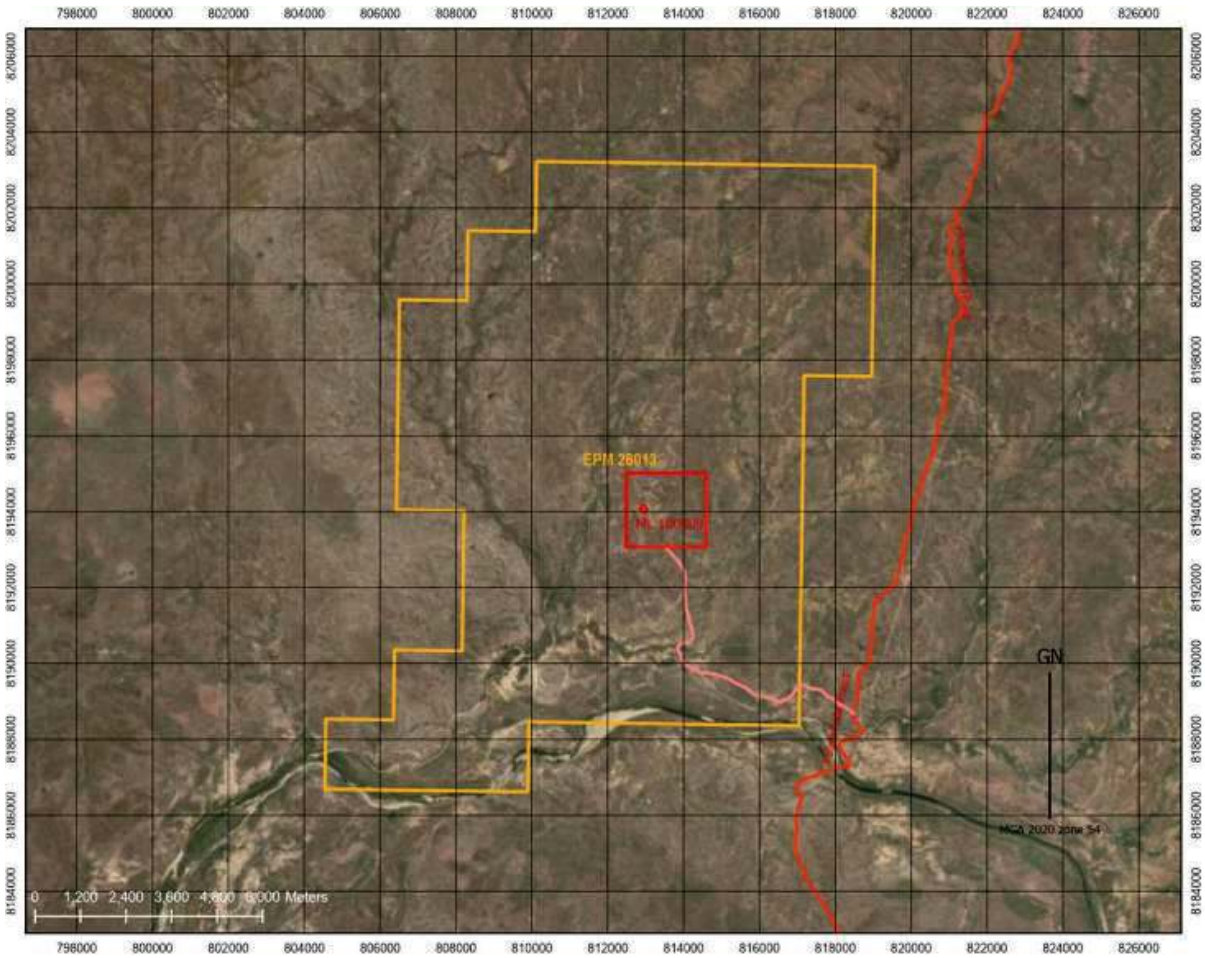

Figure 2: *EPM28013 (orange) and ML 100409 (red) with its granted access (light red), over satellite imagery.*

5.0 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, (Figure 4).

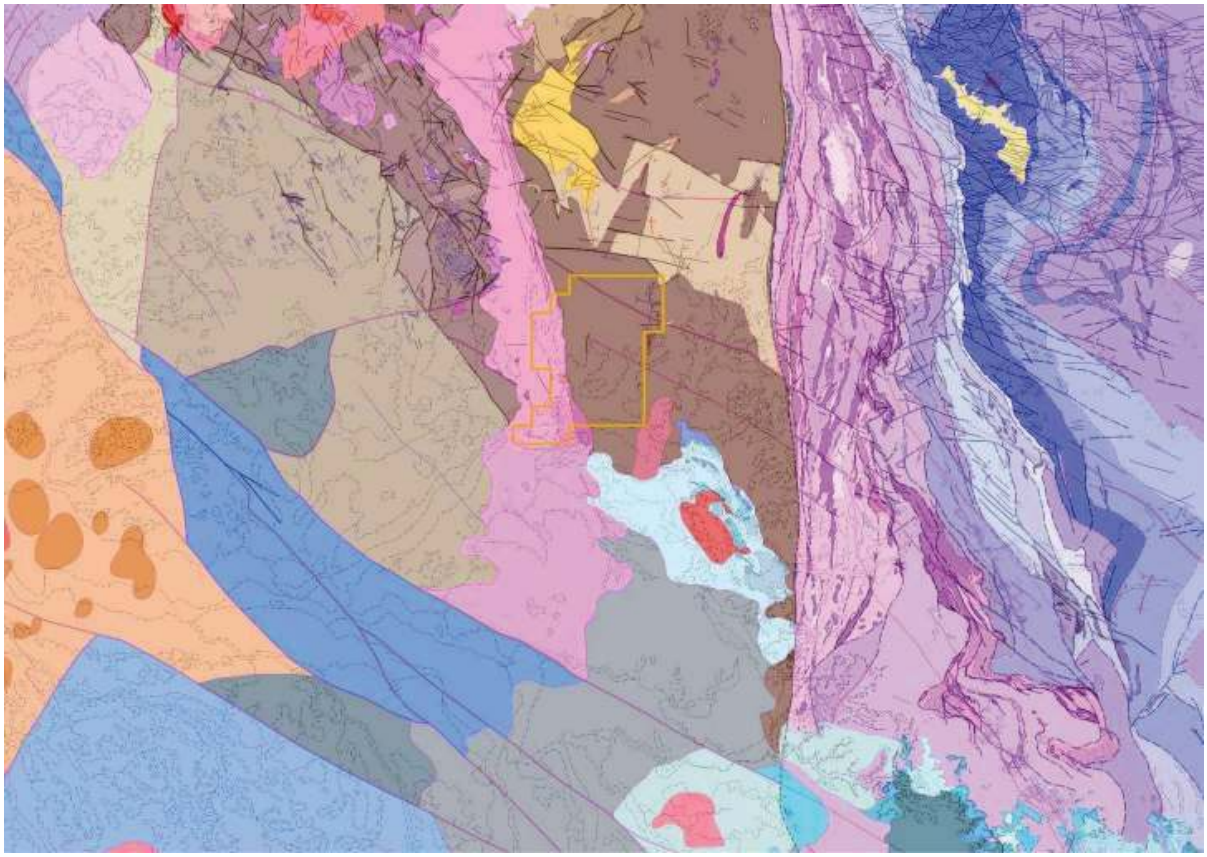

Figure 3: *Interpreted 100k Geology.*

EPM 28013 is underlain by the Paleo- to Mesoproterozoic Chelmsford Gneiss in its eastern two thirds (Figure 3). The Chelmsford Gneiss is part of the Yambo Metamorphic Group. It is a sillimanite biotite garnet

gneiss of upper amphibolite to granulite grade, and incorporates spatially associated two mica granite, hornblende amphibolite, a two pyroxene mafic granulite and areas of metapelites including quartzite (Withnall, Blewett & Champion 2013). Migmatisation is apparent in some areas of outcrop with clear separation of leucosome and melanosome components. Outcrops are sparse and largely confined to low hills.

The western third of the tenement is underlain by later intrusions belonging to the Kintore Supersuite, dominated by the early Devonian, foliated and porphyritic, S-type, Lukinville Granodiorite. Geochemically, the Lukinville Granodiorite is known to show positive Eu anomalism (Bultitude, Champion & Hutton 2013), thought to be related to incorporation of cumulate plagioclase, but is not genetically related to the Sandy Mitchell mineralisation. Three other early Devonian intrusives have been identified by the QLD Geological Survey, based on remote geophysics, but are unnamed.

The tenement is prospective for rare earth elements (REE) in the form of monazite and xenotime, as well as zircon, rutile, leucoxene, Ilmenite and garnet heavy minerals (HM) as well as commercial muscovite and biotite.

The REE bearing material is the fine to very fine sand fraction (de Nooy 2010, 2024) in a polymictic, polymodal, angular to sub-rounded, unconsolidated sediment package which is largely devoid of clays through tropical cyclical weathering and drainage. This unconsolidated HM sediment is located over the Chelmsford Gneiss and in minor ephemeral streams that are fed from, or cross, the Chelmsford Gneiss. This includes Sandy Creek which traverses the Lukinville Granodiorite but starts within the gneiss north of the tenement and is fed from multiple minor streams that drain the gneiss area in the wet season. The HM sands are well correlated with a strong thorium band radiometric anomaly (Figure 3) which also highlights their relationship with local drainage.

The HM sands are considered to have formed in situ by weathering driven disaggregation of the underlying Chelmsford Gneiss. There are several compelling lines of evidence to support this in Ark's exploration data:

- Angular clasts of moderately soft monazite and xenotime are pervasive.
- Muscovite flakes and well crystalised biotite books up to 15mm in size are common throughout.
- The polymictic clasts identified in logging were Chelmsford lithologies such as biotite amphibolite or mafic granulite with occasional quartzites or muscovite quartzite.
- The sands, which can be over 20m thick in places, are extremely tightly packed to the

point where a boosted air core rig struggles to penetrate.

- There is no real sorting; even though rounded to subrounded pebble sized material occurs in definite horizons these are dispersed throughout the sand layer with greater concentration immediately above the bedrock.
- The HM grades are relatively evenly distributed with respect to profile depth, with no substantial lagging enrichment at the top of the pile, or gravity settling at the bottom, however, there is very substantial enrichment in even the smallest ephemeral stream.
- Where drilling penetrates the gneiss, the grades of REE and HM are only slightly lower than the overlying sands.

This type of HM sand mineralisation is sometimes referred to as saprolite sands, though this is a misnomer in the case of the Sandy Mitchell Project, as there is very little secondary clay through the profile, and surficial clays in the top metre are considered transported by the wet season flood wash.

The entire sand horizon, and the top of the underlying bedrock is fully oxidised. Figure 5 shows a typical cross section through the REE and HM sands from within the heavily drilled Stage 1 resource area.

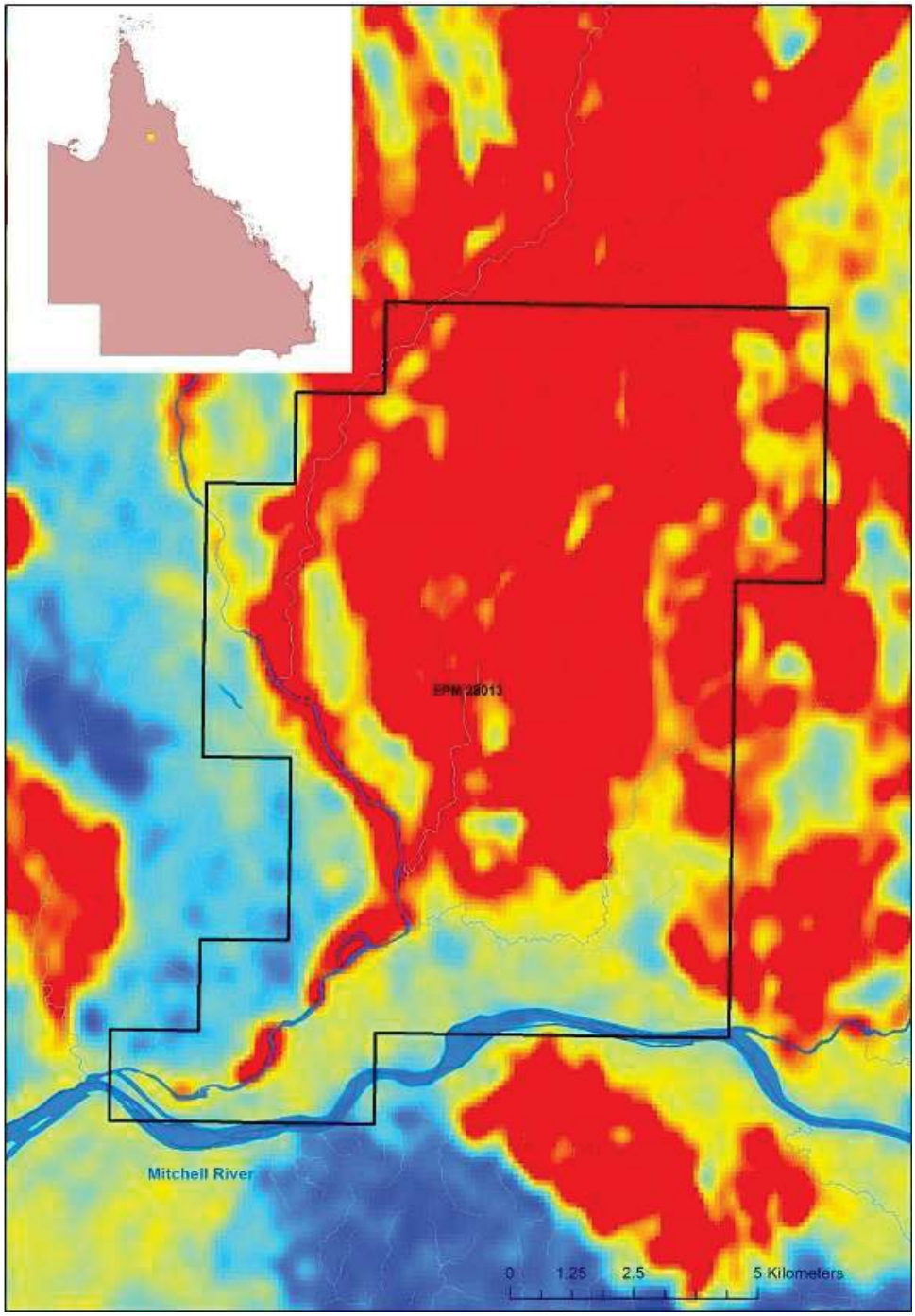

Figure 4: *EPM 28013 thorium band radiometric anomaly.*

6.0 DATABASE

The database was created by HGS using Surpac data importer into an Access Database. The data was provided to HGS as csv files containing collars, downhole surveys, assays, geology and downhole density data. The only changes to the database from the November 2024 evaluation is the addition of Fe, Mn, Mg and Al.

A full comprehensive QAQC report on the 2025 Stage 4 drilling, conducted by Daemon de Chaeney, was provided to HGS to review for this resource evaluation. A copy of the report is located in Appendix 6.

The quality assurance measures applied to drilling and sampling were to a high standard with the procedural deficits identified and corrected on site.

The quality control measures applied to sample and assay were best practice and the resultant QC data affords comprehensive analysis of the assay set. The minor anomalies identifiable in the QC data are of small enough magnitude that they are not material.

The QAQC shows the assay data to be of good quality and fit for the purpose of estimating a JORC 2012 resource mode with good confidence.

6.1 Drilling, QAQC and Sampling Process

There are four generations of drilling within the Sandy Mitchell Project, detailed below and summarised in Table 1:

In 2012 Walter Scott & Partners drilled 101 auger holes (Scott W, 2013):

- Drilling was 3 fences approx. 9km long with holes at approx. 250m.
- Depths were not recorded but a 102mm auger on a mini excavator was used, with a reach of 6m and drilling was to refusal with all holes vertical.
- Sample was collected off the collar and riffle split 25:75 to yield a representative single composite sample.
- Assay was for Ce, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Tm, Al,

Ca, Cr, Fe, K, Mg, Mn, Na, P, Si, Ti, Zr, Y and Yb.
- QC included dupes at 1 in 13 and twins at 1 in 100.
- Collar survey was by handheld GPS.

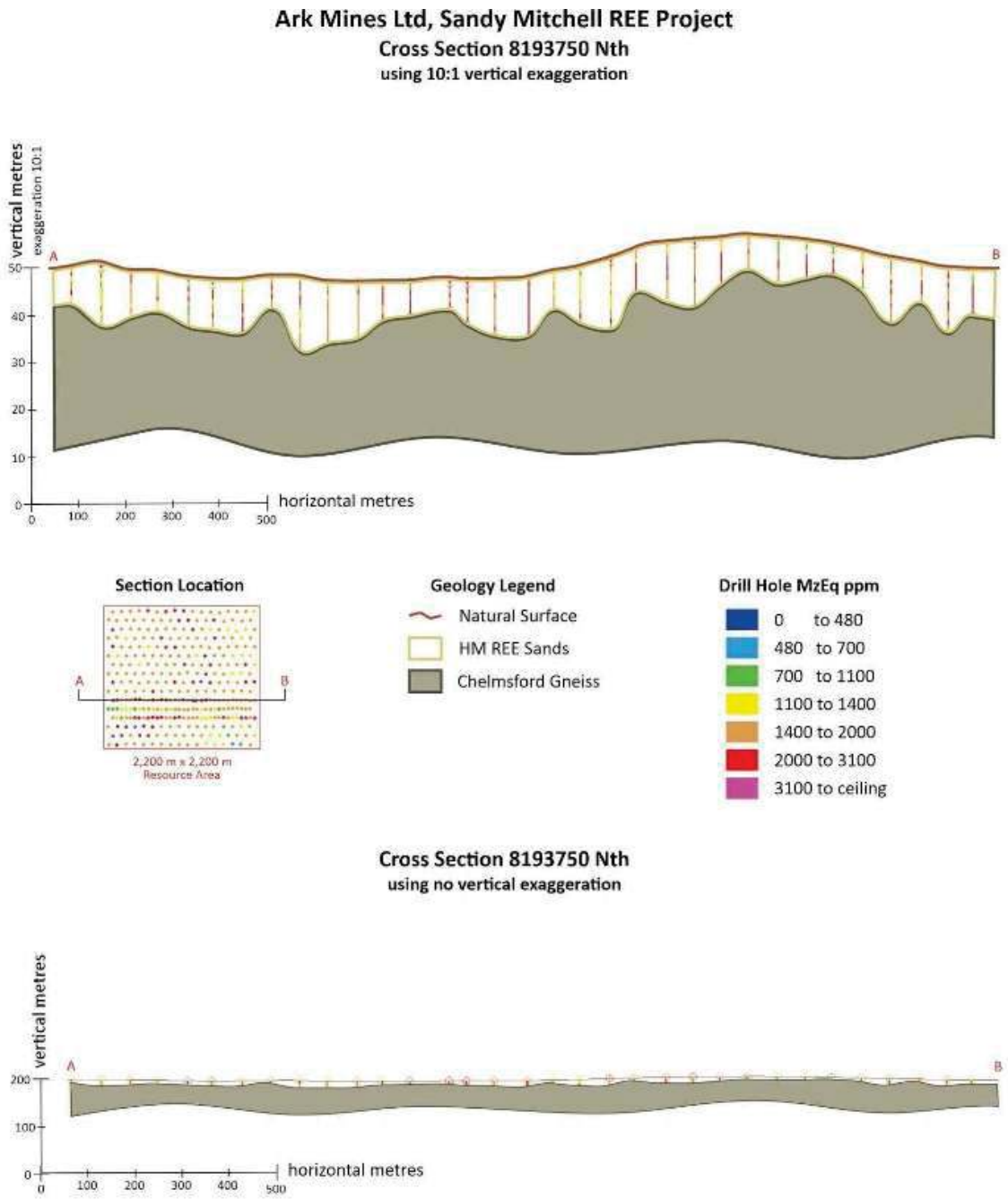

Figure 5: *Sandy Mitchell Project west to east cross section at 8193750 m north through the REE & HM sand, showing drill data from the Stage 1 resource AC drill grid coloured for monazite equivalent.*

Showing in Figure 5, 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.

In June to July 2023 AHK drilled its Stage 1 resource programme; 144 air core (AC) holes for 1488.3m:

- Drilling was by 100mm AC bit using a Comacchio track mounted rig and auxiliary compressor.
- Drilling consisted of 3 lines at 60m x 120m plus 3 lines at 120m x 120m.
- Depths varied between 3.0 and 18.0 m with the mean depth being 10.3m and holes were pushed to refusal at the bedrock horizon, with all holes vertical (Figure 5).
- Sample was collected by the metre by passing through a cyclone and opening a manual gate at the end of each metre to release the sample into a tuff tub, which was then put through a 12.5:87.5 splitter to produce a metre representative sample in a prenumbered calico bag, and a conserved reject in a plastic bag.
- Assay was conducted at North Australian Laboratories (an AusTest facility):
    - 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.
    - Al, Ca, Cr, Fe, Mg, P, S, Si and Ti were assayed by sodium peroxide fusion in nickel crucibles with ICP-OES finish.
    - Na and K were assayed by 4 acid digest with ICP-OES finish.
    - Gravimetric moisture was measured at 1 in 5.
    - Gravimetric dry loose bulk density was measured at 1 in 3.
- QC included:
    - Field duplicates at 1 in 40 by 50:50 riffle split of representative sample.
    - Lab repeats at 1 in 8.
    - Standards at 1 in 24
    - Grind size tests at 1 in 34.
    - 1 drill twin.
- Sample was logged by the metre on site and drilling/sampling operations were under geological supervision.
- Survey was conducted by a qualified surveyor using RTKdGPS.

In November to December 2023 AHK drilled its Stage 2 resource programme; 185 AC/RC holes for 2427.1m.

- Drilling was by 100mm air core bit with 100mm RC face hammer finish, using a AusRoc 4000 multi-purpose rig with on board air.
- Drilling consisted of 10 lines at 120m x 120m.
- Depths varied between 4.1 and 26m with an average of 13.0m and the last metre finishing in bedrock by face hammer, with all holes vertical.
- Sample was collected by the metre by passing through a cyclone and opening a manual gate at the end of each metre to release the sample through a rig mounted 12.5:87.5 splitter to produce a metre representative sample in a prenumbered calico bag, and a conserved reject in a plastic bag.
- Assay was conducted at North Australian Laboratories (an AusTest facility):
    - 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.
  - Al, Ca, Cr, Fe, Mg, P, S, Si and Ti were assayed by sodium peroxide fusion in nickel crucibles with ICP-OES finish.
  - PPB Au by low level Fire assay with ICP-MS finish on second metre and last metre samples.
  - Na and K were assayed by 4 acid digest with ICP-OES finish.
  - Gravimetric moisture was measured at 1 in 4.
  - LOI was measured at 1 in 8.
  - Gravimetric dry loose bulk density was measured at 1 in 3.
- QC included:
  - Field duplicates at 1 in 45 by 12.5:87.5 riffle split of bulk reject sample.
  - Lab repeats at 1 in 9.
  - Standards at 1 in 10.
  - 8 AC Drill twins equating to 1 in 22 (excluding 2 auger twins)
- Sample was logged by the metre on site and drilling/sampling operations were under geological supervision.
- Survey was conducted by a qualified surveyor using RTKdGPS.

This Stage 2 resource programme was accompanied by a Stage 2 reconnaissance programme of 32 AC/RC holes for 393m.

- The drill, sampling methodology, assay regime, survey and QAQC were in all respects identical to the Stage 2 resource programme.
- Depths varied between 4.0 and 30m with an average of 12.3m and the last metre finishing in bedrock by face hammer, with all holes vertical.
- Drilling was widely spaced to cover as much of the tenement as possible, with distribution controlled by rig access on existing tracks and fence lines.

In December 2023 AHK commenced its Stage 3 auger exploration grid to test the total prospective area of the tenement. The initial line of this programme was drilled in December as proof of concept with:

- Drilling was by 105mm auger bit using a Rockmaster ute mounted auger.
- Hole spacing was approx. 360m.
- Depth varied between 1.5 and 5.0m with an average of 3.0m and were controlled by penetration refusal in the very tight sands using this relatively light weight rig.
- All holes were vertical.
- Sample was collected by the metre by being lifted up a collection tube via rotation of the auger flights, then passing through a collection chute into a tuff tub which was then put through a 12.5:87.5 splitter to produce a metre representative sample in a prenumbered calico bag, and the reject allowed to spill.
- Assay regime and QAQC were in all respects identical to the Stage 2 resource programme.
  - 2 auger twins of AC holes within the stage 2 resource grid (5.8m and 4.1m) were produced for auger programme QC, and these are not counted as reconnaissance metres.
- Survey was conducted by handheld GPS, which is considered adequate for this type of widely spaced reconnaissance work.

In December 2023 AHK drilled 2 water monitoring bores of 32m and 30m.

- These vertical holes were drilled by 102mm open hole percussion bit.
- Hole location was set out by AHKs hydrologist.
- Sample was collected at the collar by spear and released into a prenumbered calico bag without splitting.
- Assay regime and QAQC were as per the Stage 2 resource grid, with the exception that no field duplicates were taken.
- For analytical purposes this report treats the above bedrock assay data of these holes as part of the auger reconnaissance data set.
- Survey was conducted by a qualified surveyor using RTKdGPS.

In August to September 2025 AHK drilled a stage 4 programme aimed at resource extension. The programme comprised 220 AC holes with RC finish for 2334.8m, including two failed stubs for 4.3 m, leaving 218 productive holes.

- Drilling and sampling methodology were identical to Stage 2, including the use of the same drill by the same drilling company.
- Drilling was on a 280m x 280m staggered pattern on 18 east west lines with all holes vertical and the Stage 4 pattern abutting the north and east side of the stage 1 and 2 drilling that informed the maiden MRE.
    - This Stage 4 spacing was determined by sensitivity analysis of the HGS Australia maiden MRE variography to yield a data density that could support indicated confidence classification.
- Stage 4 drill hole depth varied between a minimum of 2.3m to a maximum of 28m with a mean depth of 10.7m.
- Stage 4 mineral sand depth varied between a minimum of 1m to a maximum of 25m with a mean depth of 10.0m.
- The Stage 4 resource data set includes five stage 2 reconnaissance holes that fall within the Stage 4 drill pattern, and which were drilled with the same rig using the same techniques for both drilling and sampling in November 2023.
- Samples were collected by the metre via passing through a gated cyclone to a 12.5 : 87.5 riffle splitter to yield a representative sample per metre in a prenumbered calico bag.
- Duplicate sample at the 1 in 40 programme scheme rate were taken by passing the bulk reject through a 12.5 : 87.5 riffle splitter to yield the duplicate in a prenumbered calico bag, plus the reject recaptured in a numbered UV resistant green bag.
- Duplicate bags were of the same series as representative sample bags and recorded as duplicates, preserving duplicate anonymity to the lab.
- Samples were logged by the metre on site and drilling / sampling operations were under geological supervision.
- Assay was conducted by Lab West Jinning (a Phenna Group facility):
    - Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Sr, Pb, As, Sn, W and Si were assayed by sodium peroxide fusion in nickel crucibles under agitation, with inductively coupled plasma mass spectrometry (ICP-MS) finish.
    - Al, Ca, Cr, Fe, K, Mg, Mn, Na, P, S, and Ti were assayed by four acid digest with inductively coupled plasma optical emission spectroscopy (ICP-OES) or inductively coupled plasma mass spectrometry (ICP-MS) as appropriate for the element.

  - PPB Au, Pt and Pd by low level Fire assay with ICP-MS finish on second metre and last sand metre samples.
  - Gravimetric moisture was measured at 1 in 5.
  - Gravimetric dry loose bulk density was measured at 1 in 4.
- QAQC included:
  - Field duplicates at 1 in 40 by 12.5 : 87.5 riffle split of the total reject sample.
  - Lab repeats at 1 in 12.
  - Certified standards at 1 in 14.
  - Blanks at 1 in 40.
- Further QC measures included full analysis of all results by an independent analytical chemist and data management consultant, with all QA anomalies flagged back to the assay lab with required mitigating actions specified, including partial and whole batch re-fusing, re-reading and extra controls (used by the lab internally to control for fusion parameter variation), standards and repeats as necessary to maximise the quality of assay return accuracy and precision.
- Collar survey was by qualified surveyor using real time kinematic differential GPS (RTKdGPS) with precision in X and Y of 20mm, and precision in Z 200mm.
- High density infill survey between and beyond drill collars, include drainage channels, was carried out to allow high accuracy RTKdGPS digital terrain modelling approx. 450m beyond the acceptable interpolation perimeter of resource estimation.
- Final assay returns from Lab West Jinning were received 22nd July 2026 and QAQC analysis has been completed and no materially significant anomalies have yet been identified and the data appears well conditioned, as would be expected from the comprehensive QAQC procedures under which the programme was conducted including independent analytical chemist driven feedback and control on lab results.

Table 1: *Summary of Sandy Mitchell Project drilling.*

Type	Year	Collars	Metres	Assays	Average Depth	Min Depth	Max Depth	Average Sand Depth
		n	*m*	*n*	*m*	*m*	*m*	*m*
Historic auger exp	2012	101	~500	101	~5	?	6.0	~5
S1 AC res	2023	144	1,488.3	1,508	10.3	3.0	18.0	10.3
S2 AC/RC res	2023	185	2,427.1	2,463	13.0	4.1	26.0	12.2
S2 AC/RC exp	2023	32	393.0	394	12.3	4.0	30.0	11.3
S3 auger exp	2023	22	66.6	69	3.0	1.5	5.0	3.0
S3 OP water bore	2023	2	62.0	62	31.0	30.0	32.0	15.0
S4 AC/RC res	2025	220	2334.8	2439	10.7	2.3	28.0	9.98

Detailed analysis of AHK Stage 1 and Stage 2 QAQC shows a well conditioned and comprehensive series of checks that have been applied to self-correct sampling issues as they arose. Few assay anomalies are present, such as a slight downward bias of some elements in some standards, and they have been quantified as minor and not materially significant.

Stage 3 is considered to be of equivalent QAQC quality, with the results being considered as below resource confidence standards due only to the drill type involving outside sample return with concomitant

contamination potential, equivalent to a RAB sample. The data is of good quality for exploration purposes and examination of the data shows none of the patterns or biases typical of significant up hole contamination.

Stage 4 QAQC is considered to be superior to Stage 1 and 2 and is well conditioned with checks and balances that go well beyond the ordinary resource programme. QAQC audits and analysis has been completed and no material anomalies or systematic errors have been identified.

7.0 INTERPRETATION, COMPOSITING & STATISTICS

Interpretations were conducted by Ark and validated by HGS for drill hole snapping and geological controls. The change in interpreted wireframe size was considerable due to the addition of 218 holes for 2330m covering an additional area of 4.05km² in 2024 to 23.3km² in 2026, an increase of 19.25km².

Structurally, though, there is no change in the interpretation process with the deposit surfacing or near surfacing and extending vertically to approximately 11m creating a sheet-like look (Figure 6).

A small gap exists in the drilling in the central south-east corner due to access restrictions with pastoral operations. This has identified an area of inferred resource and drilling will be planned in the future to close off the indicated/measured resource drilling.

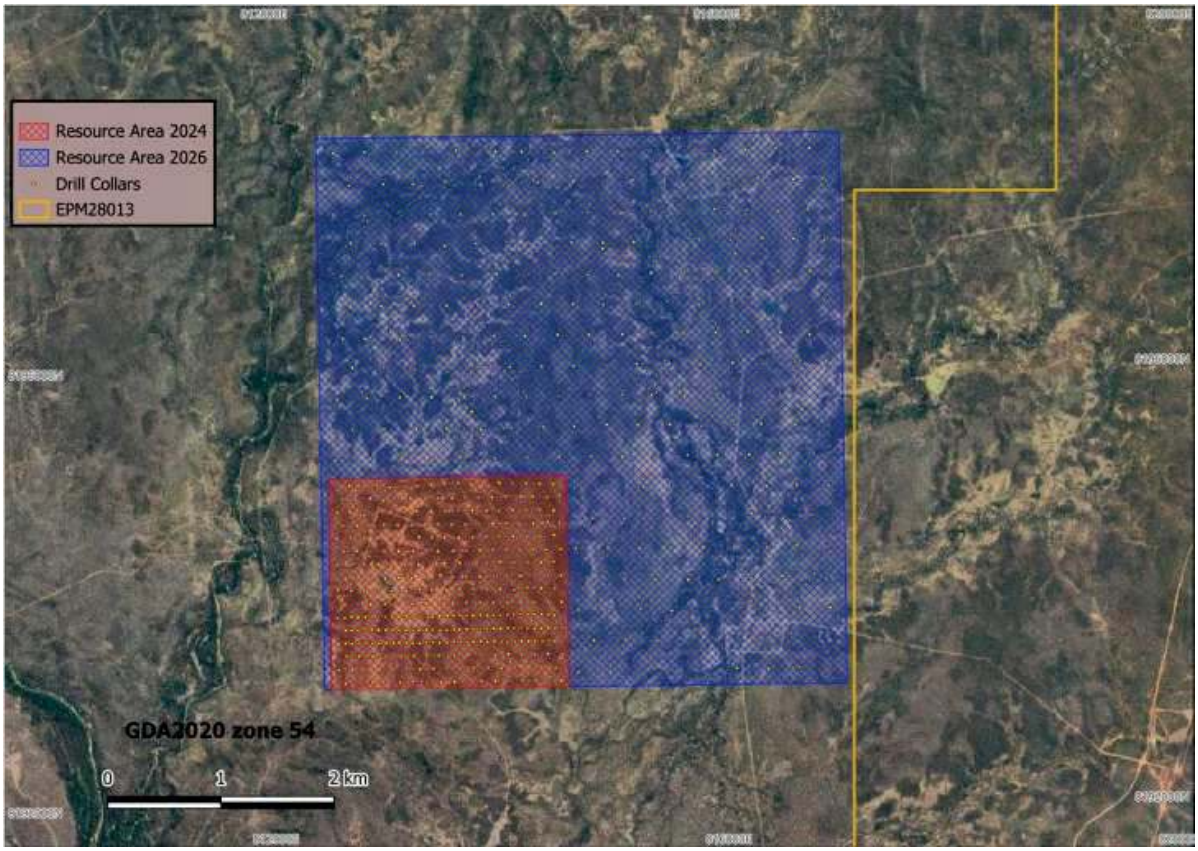

Figure 6: *Mineralisation interpretation areas from 2024 and 2026 with drill hole collars.*

The process of data preparation and compositing involved the following:

- Flagging the raw sample intervals within the database from the interpreted wireframe solids and numbering according to the individual elements. The individual element sample extraction data is listed below.
    - LODE 1: Sc
    - LODE 2: Y
    - LODE 3: La
    - LODE 4: Ce
    - LODE 5: Pr
    - LODE 6: Nd
    - LODE 7: Sm
    - LODE 8: Eu
    - LODE 9: Gd
    - LODE 10: Tb
    - LODE 11: Dy
    - LODE 12: Ho
    - LODE 13: Er
    - LODE 14: Tm
    - LODE 15: Yb
    - LODE 16: Lu
    - LODE 17: Th
    - LODE 18: U
    - LODE 19: Zr
    - LODE 20: Hf
    - LODE 21: Nb
    - LODE 22: As
    - LODE 23: Ti
    - LODE 24: S
    - LODE 25: Ca
    - LODE 26: Sr
    - LODE 27: Pb
    - LODE28: Fe
    - LODE29: Mn
    - LODE30: Mg
    - LODE31: Al
- All drill holes were used in the interpretation and data extraction.
- Extraction & compositing the individual element values to 1m.

Statistics were conducted on each element dataset (Table 2) for the purpose of identifying outlier assays. Some elements required upper cutting as significant outliers were detected.

High-grade cutting involves identifying the point where continuity of the data is no longer consistent. The process uses histograms and probability plots. The high-grade cut-off values applied to the individual elements is shown in Table 3 with full histogram and probability plots available in Appendix 2:

Table 2: *Statistics for each sample element.*

Element	Sc	Y	La	Ce	Pr	Nd	Sm	Eu
Lode No.	**Lode1**	**Lode2**	**Lode3**	**Lode4**	**Lode5**	**Lode6**	**Lode7**	**Lode8**
Number of samples	5879	5922	5922	5922	5922	5922	5922	5922
Minimum value	1	0	0	0	0	0	0	0
Maximum value	103.2	294.0	4961.0	6443.6	985.9	2812.8	435.2	113.1
Mean	15.4	24.9	71.2	144.1	16.6	59.8	10.4	1.3
Median	14.0	23.6	67.5	136.4	15.8	57.0	9.9	1.3
Variance	50.8	216.5	5146.6	11366.7	218.7	2036.7	52.5	2.3
Standard Deviation	7.1	14.7	71.7	106.6	14.8	45.1	7.2	1.5
Coefficient of variation	0.46	0.59	1.01	0.74	0.89	0.75	0.70	1.16
Skewness	3.2	4.9	53.7	35.3	47.8	38.7	34.4	69.7
Kurtosis	27.3	65.5	3645.5	2060.8	3117.5	2340.0	1997.3	5190.5
10.0 Percentile	8.4	10.2	34.0	68.3	7.9	28.4	5.0	0.9
20.0 Percentile	10.0	14.7	47.1	93.9	10.8	39.0	6.9	1.0
30.0 Percentile	12.0	17.9	54.4	109.2	12.6	45.4	8.0	1.1
40.0 Percentile	13.0	20.9	61.0	123.0	14.1	51.0	9.0	1.2
50.0 Percentile (median)	14.0	23.6	67.5	136.4	15.8	57.0	9.9	1.3
60.0 Percentile	16.0	26.4	74.5	151.6	17.5	63.0	11.0	1.3
70.0 Percentile	17.0	29.4	82.2	167.3	19.3	69.6	12.1	1.4
80.0 Percentile	19.0	33.2	91.9	187.6	21.5	77.2	13.6	1.5
90.0 Percentile	22.0	39.0	106.9	223.0	25.4	91.0	15.7	1.7
95.0 Percentile	27.0	44.4	123.5	257.1	29.4	105.0	18.0	1.9
97.5 Percentile	33.0	52.8	141.2	291.4	33.2	119.0	20.4	2.0
98.0 Percentile	35.0	56.9	148.1	306.7	34.7	125.0	21.2	2.1
99.0 Percentile	40.0	70.7	170.9	349.6	39.4	143.3	24.4	2.4
99.5 Percentile	46.5	83.6	204.0	409.5	46.7	168.3	29.0	2.7

Element	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Lode No.	**Lode9**	**Lode10**	**Lode11**	**Lode12**	**Lode13**	**Lode14**	**Lode15**	**Lode16**

Number of samples	5922	5922	5922	5922	5922	5922	5922	5922
Minimum value	0	0	0	0	0	0	0	0
Maximum value	240.3	19.7	82.0	11.5	35.1	5.7	41.5	5.8
Mean	7.1	0.9	4.9	0.9	2.6	0.4	2.6	0.4
Median	6.9	0.9	4.7	0.9	2.4	0.3	2.4	0.3
Variance	18.3	0.3	6.8	0.3	2.9	0.1	3.6	0.1
Standard Deviation	4.3	0.6	2.6	0.6	1.7	0.3	1.9	0.3
Coefficient of variation	0.60	0.61	0.54	0.60	0.66	0.70	0.74	0.77
Skewness	27.7	11.2	7.4	5.7	6.0	6.6	7.1	8.4
Kurtosis	1488.5	297.0	165.1	85.2	85.6	91.9	110.7	126.4
10.0 Percentile	3.6	0.4	2.3	0.3	1.0	0.3	0.8	0.3
20.0 Percentile	4.8	0.6	3.1	0.5	1.4	0.3	1.3	0.3
30.0 Percentile	5.5	0.7	3.7	0.7	1.8	0.3	1.7	0.3
40.0 Percentile	6.2	0.8	4.2	0.8	2.1	0.3	2.1	0.3
50.0 Percentile (median)	6.9	0.9	4.7	0.9	2.4	0.3	2.4	0.3
60.0 Percentile	7.5	1.0	5.2	1.0	2.8	0.4	2.7	0.3
70.0 Percentile	8.2	1.0	5.7	1.1	3.1	0.5	3.1	0.4
80.0 Percentile	9.1	1.2	6.4	1.2	3.5	0.5	3.5	0.5
90.0 Percentile	10.5	1.4	7.3	1.4	4.1	0.6	4.1	0.6
95.0 Percentile	11.9	1.7	8.2	1.6	4.8	0.8	4.8	0.7
97.5 Percentile	13.6	2.0	9.2	1.9	5.6	1.0	5.6	0.9
98.0 Percentile	14.3	2.0	9.9	2.0	5.9	1.0	5.9	0.9
99.0 Percentile	16.0	2.3	11.5	2.4	7.2	1.2	7.8	1.2
99.5 Percentile	19.0	2.6	13.8	3.0	9.7	1.6	10.9	1.6

Element	**Th**	**U**	**Zr**	**Hf**	**Nb**	**As**	**Ti**	**S**
Lode No.	**Lode17**	**Lode18**	**Lode19**	**Lode20**	**Lode21**	**Lode22**	**Lode23**	**Lode24**
Number of samples	5922	5922	5922	5922	5922	5922	5922	5922
Minimum value	0	0	0	0	0	0	0	0
Maximum value	324.4	203.9	28099.4	756.8	1617.0	131.0	67998.0	17351.0
Mean	29.4	1.8	329.9	8.9	14.6	6.6	3968.6	169.2
Median	27.8	1.7	298.4	8.0	13.0	4.5	3805.5	41.0
Variance	252.9	8.5	163,685	119	896	48	4,016,422	347,398
Standard Deviation	15.9	2.9	404.6	10.9	29.9	6.9	2004.1	589.4
Coefficient of variation	0.54	1.60	1.23	1.22	2.05	1.05	0.50	3.48
Skewness	2.8	57.9	55.2	55.0	49.3	3.9	12.5	14.4
Kurtosis	36.8	3903.5	3753.4	3733.6	2585.3	42.9	329.0	302.2

10.0 Percentile	12.1	0.8	174.8	4.6	7.9	0.0	2436.5	10.0
20.0 Percentile	17.8	1.1	221.9	5.9	9.4	1.7	2952.0	10.0
30.0 Percentile	21.3	1.3	249.0	6.7	11.0	2.3	3285.0	10.0
40.0 Percentile	24.4	1.5	274.2	7.3	12.0	3.0	3550.0	10.0
50.0 Percentile (median)	27.8	1.7	298.4	8.0	13.0	4.5	3805.5	41.0
60.0 Percentile	31.2	1.9	325.2	8.8	14.0	6.5	4044.0	68.0
70.0 Percentile	35.1	2.0	356.8	9.8	15.5	8.7	4325.0	108.0
80.0 Percentile	39.9	2.3	400.5	11.0	17.0	11.0	4689.0	187.0
90.0 Percentile	47.0	2.9	491.5	13.4	20.3	15.0	5280.5	340.0
95.0 Percentile	54.8	3.4	596.1	16.2	24.0	18.0	6244.5	595.0
97.5 Percentile	62.0	3.9	725.7	19.3	30.0	21.0	7380.5	1054.5
98.0 Percentile	65.0	4.1	777.6	20.4	32.0	22.0	7892.5	1209.5
99.0 Percentile	72.9	5.0	912.0	26.1	38.3	26.9	9483.5	2212.5
99.5 Percentile	89.9	5.6	1098.1	31.3	46.0	32.7	12167.0	3313.5

Element	**Ca**	**Sr**	**Pb**	**Fe**	**Mn**	**Mg**	**Al**
Lode No.	**Lode25**	**Lode26**	**Lode27**	**Lode28**	**Lode29**	**Lode30**	**Lode31**
Number of samples	5922	5922	5922	5922	5922	5922	5922
Minimum value	0	0	0	0	0	0	0
Maximum value	219440.0	1161.0	3252.0	434263.0	6116.0	88840.0	343350.0
Mean	22000.1	152.5	17.7	37490.7	208.2	10718.5	72831.2
Median	16688.0	145.0	13.9	35722.5	0.0	9136.5	74133.0
Variance	434,595,539	7,926	1,947	301,435,171	127,233	69,879,255	372,246,328
Standard Deviation	20847.0	89.0	44.1	17361.9	356.7	8359.4	19293.7
Coefficient of variation	0.95	0.58	2.50	0.46	1.71	0.78	0.26
Skewness	2.5	1.8	66.6	6.6	4.4	2.7	1.9
Kurtosis	12.8	12.1	4872.9	105.5	50.8	14.9	25.5
10.0 Percentile	3582.0	51.0	5.0	22765.0	0.0	3048.5	52059.5
20.0 Percentile	7089.0	79.0	7.7	27691.0	0.0	4949.5	61254.0
30.0 Percentile	10743.5	107.0	9.7	30989.5	0.0	6589.5	66998.0
40.0 Percentile	13910.0	127.0	11.8	33486.5	0.0	7964.5	70980.5
50.0 Percentile (median)	16688.0	145.0	13.9	35722.5	0.0	9136.5	74133.0
60.0 Percentile	19772.5	162.1	16.0	38007.0	0.0	10411.0	76811.5
70.0 Percentile	24099.0	181.8	20.0	40554.0	332.5	11759.0	79578.0
80.0 Percentile	31253.5	207.0	25.0	43888.0	483.0	13861.0	82985.0
90.0 Percentile	46136.0	252.0	34.0	50685.0	626.0	19113.5	89550.5
95.0 Percentile	62994.0	302.0	40.1	60823.5	777.0	26627.5	97611.5
97.5 Percentile	82516.0	362.3	49.5	75869.0	981.5	34900.0	106680.0
98.0 Percentile	88218.5	385.7	52.0	79531.5	1067.5	37363.5	110268.0

99.0 Percentile	103776.0	457.0	63.0	95915.5	1358.0	45100.5	125436.0
99.5 Percentile	118540.0	539.9	77.5	110589.5	1593.0	52813.0	146122.0

Table 3: *High-grade cutting results from histograms and probability plots for each element.*

Element	Histogram	Probability Plot	High Grade Cut Used
Sc	50	50	50
Y	87	87	87
La	220	219	220
Ce	410	445	410
Pr	60	51	60
Nd	170	170	170
Sm	41	35	35
Eu	4	3.5	4
Gd	24	20	24
Tb	6	5	6
Dy	22	22	22
Ho	12	3.5	No cutting
Er	19	14	19
Tm	NA	NA	No Cutting
Yb	20	20	20
Lu	NA	NA	No cutting
Th	100	100	100
U	10	8.5	10
Zr	1350	1484	1350
Hf	50	51	50
Nb	74	73	74
As	40	40	40
Ti	14200	1475	14200
S	5300	5300	5300
Ca	134000	134500	134000
Sr	760	740	760
Pb	129	125	129
Fe	149000	149000	149000
Mn	1836	1911	1836
Mg	70000	70000	70000
Al	155000	159000	155000

8.0 VARIOGRAPHY

Variography and anisotropy was conducted on each element for the purpose of independent interpolation parameters and continuity for interpolation grouping. The main purpose of the variography is to define the anisotropy variables or search ellipse parameters. Major/Semi-major are ratios of the semi-major axis (vertical plunge component) to the major axis (lode azimuth), and Major/Minor ratio is the minor axis (lodes width) to the major axis (azimuth).

Due to consistency with many of the element anisotropies, 5 combined groups of elements were created for interpolation. In comparing the data to the May2024 resource evaluations, the new data is more consistent with all anisotropies returning a flat search. Some showed an orientation 90 to the main strike, though the semi-major axis ratio was close to one indicating a wide search, therefore the main orientation search will have no impact on the final result.

The average anisotropy and variography data was used in the interpolation for each group element.

Details of the anisotropy variable for each element group are shown in Table 4. Full details of the variography for each element is shown in Appendix 3.

Table 4: *Variography and anisotropy results for each element and groupings.*

Lode	Element	Nugget	Sill	Range	Bearing	Plunge	Dip	Maj-Semi	Maj-Minor
Group A									
Lode 10	Tb	0.9	0.1	1650	0	0	0	2.5	56
Lode 13	Er	0.8	0.1	3000	0	0	0	5.4	138
Lode 14	Tm	0.7	0.2	2715	0	0	0	5.5	150
Lode 28	Fe	0.8	0.1	1340	0	0	0	1.9	50
Lode 9	Gd	0.9	0.1	1930	0	0	0	2.2	75
Average		**0.8**	**0.1**	**2127**				**3.5**	**93.8**
Group B									
Lode 11	Dy	0.9	0.1	2770	10	0	-5	3.3	64
Lode 12	Ho	0.7	0.2	1650	0	0	-5	3	107
Lode 15	Yb	0.8	0.1	3000	0	0	-5	5	373
Lode 16	Lu	0.7	0.3	1550	0	0	-5	2.7	61
Lode 17	Th	0.8	0.06	1900	0	0	-5	2.3	70

Lode 19	Zr	0.9	0.06	2100	30	0	-5	1.7	73
Average		**0.8**	**0.14**	**2,162**	**6.67**		**-5**	**3**	**125**
Group C									
Lode 20	Hf	0.8	0.1	2180	40	0	0	3.4	1412
Lode 25	Ca	0.7	0.34	2740	30	0	0	1.5	56
Lode 26	Sr	0.7	0.15	1200	25	0	0	1.4	53
Lode 3	La	0.4	0.4	3600	40	0	0	5.3	78
Lode 30	Mg	0.5	0.2	1130	20	0	0	1.5	76
Lode 4	Ce	0.5	0.2	3950	40	0	0	8	127
Lode 5	Pr	0.4	0.3	3550	40	0	0	7.3	88
Lode 6	Nd	0.5	0.3	3650	40	0	0	5.4	93
Lode 7	Sm	0.56	0.2	3900	40	0	0	7.3	145
Average		**0.6**	**0.2**	**2,878**	**35**	**0**	**0**	**4.6**	**250**
Group D									
Lode 1	Sc	0.7	0.3	2510	110	0	0	6	65
Lode 22	As	0.4	0.6	1660	90	0	0	1.6	36
Lode 24	S	0.9	0.1	1340	70	0	0	2.5	70
Average		**0.67**	**0.33**	**1,837**	**90**	**0**	**0**	**3.4**	**57**
Group E									
Lode 18	U	1	0.06	760	150	0	0	1.6	61
Lode 2	Y	0.8	0.1	2262	160	0	0	3	70
Lode 21	Nb	1	0.05	925	150	0	0	1.6	37
Lode 23	Ti	0.76	0.1	1925	150	0	0	3.2	81
Lode 27	Pb	1	0.1	930	130	0	0	2.6	39
Lode 29	Mn	0	0.7	3000	140	0	0	1.7	50
Lode 31	Al	1	0.03	1025	160	0	0	2.1	67
Lode 8	Eu	0.9	0.02	1270	150	0	0	2.4	52
Average		**0.8**	**0.15**	**1,512**	**149**	**0**	**0**	**2.3**	**57**

9.0 BLOCK OPTIMISATION

Surpac macros were created to determine optimum block size, search distance and maximum samples within 2 element groups, Nd & Y. The process involves selecting a centre point between drill samples within the ore boundaries, creating a single block model, and graphically representing the Kriging efficiency and conditional bias slope. The optimal position is where the slopes are closest to one and each other. Block optimisation was adopted from the November 2024 datasets, due to the closer spacing of the drill holes in the area compared to the 2025/26 drill data. An optimisation was conducted in the larger drill space area to check for the number of samples and maximum search distance as the interpolation process moved from the closer spaced samples to the broader spaced samples.

The location for the block optimisation studies was conducted on Lode 2 (Yttrium) in the following locations:

- Close spaced drilling: Y=8193684 X=813866 Z=161.2
  - Maximum number of samples: 200
  - Maximum search distance: 200m
- Broader drilling: Y=8194287 X=813988 Z=163.8
  - Maximum number of samples: 150
  - Maximum search distance: 200m

The graphs of the studies can be viewed in Appendix 4.

10. 0 DENSITY

Ark conducted bilk density work during laboratory analysis at the following ratios for completed programs:

- May to June 2023 program: 1 in 3 samples was tested for gravimetric dry loose bulk density.
- December 2023 program: 1 in 3 samples was tested for gravimetric dry loose bulk density.
- August to September 2025 program: 1 in 4 samples was tested for gravimetric dry loose bulk density.

The database contains 1893 density measurements ranging from 0.48t/m³ to 2.41t/m³ with an average of 1.53t/m³. The density measurements are appropriate for tonnage estimation.

The data was interpolated into the model using a nearest neighbor algorithm.

11.0 BLOCK MODELLING

A block model was created in Surpac (version 6.6.2 x64) called:

"sandy_mitchel_model_aug2026.mdl"

The model uses Ordinary Kriging (OK) interpolation on the upper-cut datasets only.

The main interpolation process used Ordinary Kriging (OK) as the preferred algorithm. Kriging prevents over smoothing within the search parameters using mathematical inputs derived from the variography.

10.1 Block Model Parameters

The dimensions and parameters for the Sandy Mitchell models are listed in Tables 5 and model attributes are listed in Table 6.

Table 5: *Block model dimensions and attributes for the Main Model area.*

Type	Northing	Easting	Elevation
Minimum Coordinates	8193000	812300	115
Maximum Coordinates	8198200	817400	205
User Block Size	50	25	2
Min. Block Size	12.5	6.25	0.5
Rotation	0	0	0
Total Blocks	1507629		
Storage Efficiency %	97.53		

Table 6: *Attributes used in the main Ordinary Kriged model.*

Attribute Name	Type	Decimals	Background	Description
alt_ilmenite	Float	2	0	Calculated Ilmenite
biotite	Real	-	0	calculated Biotite
classification	Integer	-	0	inferred=1, indicated=2, measured=3
creo	Float	2	0	calculated CREO
garnet	Float	2	0	Calculated Ilmenite

hi_ti_leucoxene	Float	2	0	Calculated Hi Ti Leucoxene
ilmenite	Float	2	0	Calculated Ilmenite
lo_ti_leucoxene	Float	2	0	Calculated Lo Ti Leucoxene
lode	Integer	-	0	Lode = 1 waste=0
magreo	Float	2	0	calculated MagREO
monazite	Float	2	0	Calculated monazite
muscovite	Float	2	0	Calculated Ilmenite
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
ok26	Float	2	0	Sr interpolation using Ordinary Kriging
ok27	Float	2	0	Pb interpolation using Ordinary Kriging
ok28	Float	2	0	Fe interpolation using Ordinary Kriging
ok29	Float	2	0	Mn interpolation using Ordinary Kriging
ok3	Float	2	0	La interpolation using Ordinary Kriging
ok30	Float	2	0	Mg interpolation using Ordinary Kriging
ok31	Float	2	0	Al 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
rutile	Real	-	0	calculated Rutile
sg	Float	2	0	interpolated density data
tcm	Float	2	0	calculated Total commercial minerals
thm	Real	-	0	calculated Total heavy minerals
treo	Float	2	0	calculated TREO
treo_y	Float	2	0	calculated TREO + Yttrium
xenotime	Float	2	0	calculated xenotime
zircon	Float	2	0	calculated zircon

10.2 Interpolation Parameters

The raw elements identified in Section 7 under compositing were interpolated independently into the models using Ok, ID2 and OKcut.

The interpolation pass parameters used are as follows for all elements:

- Pass 1: 20-200 samples 200m max search
- Pass 2: 10-200 samples 400m max search
- Pass 3: 1-200 samples 800m max search.

Pass 3 was conducted due to a few outlier blocks not filled during pass 1 & 2. The unfilled blocks form part of the main interpretation and data continuity. Pass 1 & 2 did not fulfill the interpolation of the entire interpreted outlines due to the search ellipse limitations. The influence of this is inconsequential and will not impact on the final result or classification.

Additional elemental combinations and stoichiometric mineral formulas were mathematically calculated into the block model using provided formulas by Ark. Details of the economic mineral product formulas are outlined below. The calculated fields in ppm include: monazite, xenotime, zircon, rutile, hi_Ti_leucoxene, lo_Ti_leucoxene, altered_ilmenite, ilmenite, TREO, TREO+Y, LREO, HREO, CREO, MagREO & MzEq. The calculated fields in % include: garnet, muscovite, biotite, THM and TCM.

- MzEq ppm = (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) + (0.058 * garnet + 0.026 * muscovite + 0.015 * biotite) * 10000
- Monazite ppm = (0 / 100 * Sc) * 3.1125 + (31.68 / 100 * Y) * 2.0682 + (99.27 / 100 * La) * 1.6837 + (99.17 / 100 * Ce) * 1.6778 + (99.6 /100 * Pr) * 1.6740 + (98.74 / 100 * Nd) * 1.6584 + (96.75 / 100 * Sm) * 1.6316 + (90.99 / 100 * Eu) * 1.6250 + (87.96 / 100 * Gd) * 1.6039 + (73.26 / 100 * Tb) * 1.5976 + (54.32 / 100 * Dy) * 1.5844 + (36.49 / 100 * Ho) * 1.5758 + (20.76 / 100 * Er) * 1.5678 + (9.84 / 100 * Tm) * 1.5622 + (5.27 / 100 * Yb) * 1.5488 + (3.10 / 100 * Lu) * 1.5428 + (64.20 / 100 * Pb) * 1.4583 + (98.98 / 100 * Th) * 1.4093 + (71.35 / 100 * U) * 1.3990 + (0.97 / 100 * Ca) * 3.3696 + (6.35 / 100 * Sr) *

2.0839

- Xenotime ppm = (0.51 / 100 * Sc) * 3.1125 + (63.53 / 100 * Y) * 2.0682 + (0.01 / 100 * La) * 1.6837 + (0.04 / 100 * Ce) * 1.6778 + (0.11 /100 * Pr) * 1.6740 + (0.33 / 100 * Nd) * 1.6584 + (2.4 / 100 * Sm) * 1.6316 + (5.47 / 100 * Eu) * 1.6250 + (10.5 / 100 * Gd) * 1.6039 + (24.31 / 100 * Tb) * 1.5976 + (42.37 / 100 * Dy) * 1.5844 + (59.16 / 100 * Ho) * 1.5758 + (73.73 / 100 * Er) * 1.5678 + (83.07 / 100 * Tm) * 1.5622 + (85.42 / 100 * Yb) * 1.5488 + (85.38 / 100 * Lu) * 1.5428 + (0.19 / 100 * Pb) * 1.4583 + (0.62 / 100 * Th) * 1.4093 + (16.95 / 100 * U) * 1.3990 + (0 / 100 * Ca) * 3.3696 + (0.12 / 100 * Sr) * 2.0839
- Zircon ppm = (100 / 100 * Hf) * 1.5159 + (100 / 100 * Zr) * 2.0094
- Rutile ppm = (1.23 / 100 * Ti) * 1.6685
- Hi_Ti_Leucoxene ppm = (3.03 / 100 * Ti) * 1.9507
- Lo_Ti_Leucoxene ppm = (1.84 / 100 * Ti) * 2.0448
- Altered Ilmenite ppm = (2.20 / 100 * Ti) * 2.7805
- Garnet % = 12.95 / 100 * Fe) * 2.9710 + (64.05 / 100 * Mn) * 3.0035 + (5.69 / 100 * Mg) * 5.5287 + (8.72 / 100 * Ca) * 3.7464)/10000
- Muscovite % = ((5.09 / 100 * Al) * 4.9206 * 0.6295)/10000
- Top Cut (22) Biotite % 50.78 / 100 * Fe) * 6.0896)/10000
- TREO ppm = (99.28 / 100 * La) * 1.1728 + (99.21 / 100 * Ce) * 1.2284 + (99.71 /100 * Pr) * 1.2082 + (99.07 / 100 * Nd) * 1.1664 + (99.15 / 100 * Sm) * 1.1596 + (96.46 / 100 * Eu) * 1.1579 + (98.46 / 100 * Gd) * 1.1526 + (97.57 / 100 * Tb) * 1.1762 +(96.69 / 100 * Dy) * 1.1477 + (95.65 / 100 * Ho) * 1.1455 + (94.49 / 100 * Er) * 1.1435 + (92.91 / 100 * Tm) * 1.1421 + (90.69 / 100 * Yb) * 1.1387 + (88.48 / 100 * Lu) * 1.1371
- TREO+Y ppm = (95.21 / 100 * Y) * 1.2699 + (99.28 / 100 * La) * 1.1728 + (99.21 / 100 * Ce) * 1.2284 + (99.71 /100 * Pr) * 1.2082 + (99.07 / 100 * Nd) * 1.1664 + (99.15 / 100 * Sm) * 1.1596 + (96.46 / 100 * Eu) * 1.1579 + (98.46 / 100 * Gd) * 1.1526 + (97.57 / 100 * Tb) * 1.1762 + (96.69 / 100 * Dy) * 1.1477 + (95.65 / 100 * Ho) * 1.1455 + (94.49 / 100 * Er) * 1.1435 + (92.91 / 100 * Tm) * 1.1421 + (90.69 / 100 * Yb) * 1.1387 + (88.48 / 100 * Lu) * 1.137171
- LREO ppm = (99.28 / 100 * La) * 1.1728 + (99.21 / 100 * Ce) * 1.2284 + (99.71 /100 * Pr) * 1.2082 + (99.07 / 100 * Nd) * 1.1664 + (99.15 / 100 * Sm) * 1.1596 + (96.46 / 100 * Eu) * 1.1579 + (98.46 / 100 * Gd) * 1.1526
- HREO ppm = (97.57 / 100 * Tb) * 1.1762 + (96.69 / 100 * Dy) * 1.1477 + (95.65 / 100 * Ho) * 1.1455 + (94.49 / 100 * Er) * 1.1435 + (92.91 / 100 * Tm) * 1.1421 + (90.69 / 100 * Yb) * 1.1387 + (88.48 / 100 * Lu) * 1.1371
- CREO ppm = (95.21 / 100 * Y) * 1.2699 + (99.07 / 100 * Nd) * 1.1664 + (96.46 / 100 * Eu) * 1.1579 + (97.57 / 100 * Tb) * 1.1762 + (96.69 / 100 * Dy) * 1.1477
- MagREO: ppm = (99.71 / 100* Pr) * 1.2082 + (99.07 / 100 * Nd) * 1.1664 + (97.57 / 100 * Tb) * 1.1762 + (96.69 / 100 * Dy) * 1.1477
- THM % = (monazite + xenotime + zircon + rutile + hi_Ti_leucoxene + lo_Ti_leucoxene + altered_ilmenite + ilmenite)/10000 + garnet
- TCM % = (monazite + xenotime + zircon + rutile + hi_Ti_leucoxene + lo_Ti_leucoxene + altered_ilmenite + ilmenite)/10000 + garnet + muscovite + biotite
-

11.0 METALLURGICAL TESTWORK

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

The work conducted in 2024 by by Mineral Technologies Carrara Laboratory in Queensland, analysed on drill samples sourced from the deposit. The result of this test work concluded a final concentrate of 51.9% TREO, and contained mostly heavy rare-earth elements La, Ce, Pr and Nd, and direct CeO2 recovery from gravity feed to REM concentrate is estimated to be 71.7%.

It was 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 summary of the results was 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 with a lesser monazite contribution.
    - Zr and Hf which are exclusively contained in zircon.
    - The sample was 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 shown to be hosted by monazite).
    - the Yb (contributed by both xenotime and monazite).
    - the U (which is contributed by monazite, xenotime and zircon).
    - the Th (which is predominantly contained in monazite).

Ark conducted a scoping study metallurgical test program in 2025, conducted by IHC Mining (IHC), to study the detailed characterisation of the run-of-mine material and preliminary process tests to confirm the viability of potential treatment options and preparation of a flow sheet development scoping study.

IHC explored ways to create additional value from the project that allows them to reduce the required mining rate to 1,000-1,500tph. This included;

- Increase mineral recoveries
- Produce additional valuable products
- Improve final product quality to achieve higher product prices

The relative value of the ore is contained in muscovite, biotite, garnet, zircon, monazite and possibly ilmenite and rutile (Figure 7).

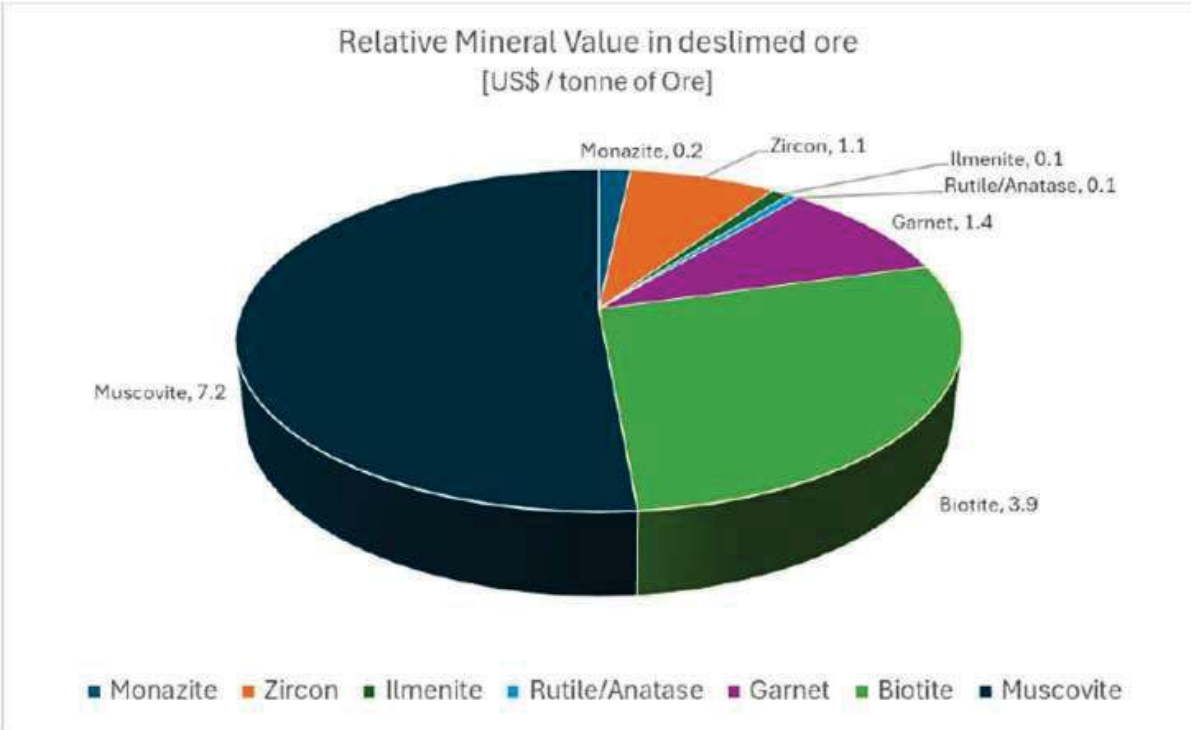

Figure 7: *Relative mineral value in the deslimed ore.*

The results of the Phase 1 testwork, the detailed characterisation of the run-of-mine material and preliminary process tests to confirm the viability of potential treatment options concluded the following.

- The sample provided for test work contains 0.043% total rare earth oxides (TREO) and 0.06% ZrO2.
- The mass distribution into the Heavy Mineral Fraction (HMF) of the as received ore is 4.1%
- based on the head feed and 6.0% based on the -2+0.045mm sandy fraction. The distribution of TREO into the HMF is 45.5% and 66.3% respectively. The distribution of

ZrO2 into the HMF is 51.5% and 69.9% respectively.

- The mass distribution into the +2mm oversize fraction is 9.0%. The losses of TREO and ZrO2 into this fraction are 4.3% and 3.7% respectively.
- Crushing of the +2mm oversize fraction to the 2mm top particle size results in the liberation and recovery of valuable minerals from this oversize rejects stream into the HMF:
    - An increase of TREO distribution into the HMF to 48.4% based on the head feed, and 71.6% based on the -2+0.045mm sandy fraction.
    - An increase of ZrO2 distribution into the HMF to 54.5% based on the head feed, and to 67.2% based on the -2+0.045mm sandy fraction.
- These values should be considered theoretical (maximally achievable) recovery levels for concentration of the deslimed sandy fraction on spirals. 5. However, crushing of the +2mm oversize fraction did not significantly change the mineral liberation/interlocking patterns of the resultant -2mm heavy mineral grains. This outcome is of particular interest for the size fraction -0.5mm+0.25mm:
    - The +0.5mm particle size fractions of the HMF contain negligible percentage of TREO and ZrO2, and may be considered a recoverable source of Garnet which is well liberated in these particle size fractions (preliminary grinding is not required).
    - The -0.5+0.25mm particle size fractions of the HMF contain valuable percentage of TREO, ZrO2 and Garnet. Garnet in this fraction is well liberated, Monazite is partly liberated and Zircon is fully unliberated. Preliminary grinding of this particle size fraction is recommended for assessment.
    - The -0.25mm particle size fractions of the HMF contain valuable percentage of TREO, ZrO2 and Garnet. All valuable heavy minerals in these particle size fractions are well liberated. Preliminary grinding of these particle size fractions is not required.
- The mass distribution into the LMF after oversize crushing is 69.7% based on the head feed and 92.4% based on the -2+0.045mm sandy fraction. The losses of TREO into the LMF are 19.1% and 28.4% respectively. The losses of ZrO2 into the LMF are 26.6% and 32.8% respectively. These values should be considered theoretical (minimal) for concentration of the deslimed sandy fraction on spirals.
- The mass distribution into the -0.045+0.010mm ultrafine sandy fraction of the as received ore is 9.2%. The losses of TREO and ZrO2 into this fraction are 20.7% and 17.0% respectively. Taking into account the distribution of TREO and ZrO2 into the -2+0.045mm HMF (71.6% and 67.2% respectively), the maximum recovery of these components from the -0.045+0.010mm fraction into the ultrafine HMF may be estimated at 14.8% and 11.4% respectively (based on head feed).
- Attrition scrubbing of the -2+0.045mm sandy fraction prior to wet gravity concentration is not required.
- Monazite is the main rare earth elements (REE) bearing mineral in the ore. The Crandallite group and REE oxides/carbonates are the other REE bearing mineral forms in the ore but REE distribution into these mineral forms is negligible.
- Zircon is the only ZrO2 bearing mineral in the ore.
- All Monazite in the Light Mineral Fraction (LMF) of the ore is deeply encapsulated in the form of ultrafine grains inside larger grains of silicates. Thus, grinding of the LMF for the purpose of liberation of Monazite does not make sense because such ultrafine liberated grains cannot be recovered by the conventional methods of mineral processing.
- Zircon is liberated for 9% and Garnet for 4% in the LMF. The losses of this liberated part of valuable minerals into the LMF seem to be related to their fine particle size. So, multi-

gravity (centrifugal) separation (MGS) of the finer particle size fractions of the ore (e.g. -0.5+0.025mm) is recommended for assessment. The Falcon-C technique seems to be the first choice in this case. At the same time, it should be noted that the use of an MGS technique for gravity separation of sandy fractions may result in an increase of the recovery of heavy Biotite into the Heavy Mineral Concentrate (HMC) which otherwise tends to be recovered into tails of spiral separators. The elevated percentage of Biotite in the HMC may create additional issues at the stage of subsequent mineral separation (MSP circuit).

- The Biotite processing tests have revealed a critical particle size cut point of 0.5mm. The mass percentage of magnetic Biotite (and most likely the other micaceous mineral forms) in the +0.5mm LMF is significantly lower compared to its percentage in the -0.5mm LMF fractions (0.8% versus 9.4% and 15.1% respectively). This suggests that fine screening of the ore at the cut points below 0.5mm will be problematic because of clogging of screen apertures by flaky grains of mica. Thus, separation of sandy fraction by particle size below this point should be done by hydraulic classification (e.g. up-current classification) rather than fine screening.
- Dry magnetic separation of the -0.5mm particle size fractions from spiral tailings is recommended for generation of a 30kg sample of Biotite concentrate within the planned test work Phase 2.
- Flotation may be considered a method of combined recovery of Biotite and Muscovite from the ore, if required.
- The QEMSCAN and QXRD techniques cannot be considered reliable methods of mineralogical analysis of Biotite concentrates. It is recommended to evaluate the grade of Biotite concentrates by a combination of optical microscopy (grain counting) and XRF analysis. It should be noted that grain counting may result in significantly higher percentages of Biotite in concentrates compared to instrumental methods.
- Wet high gradient magnetic separation (WHGMS) with the use of a conventional SLon-type vertical ring WHIMS technique may be effectively used for recovery of Monazite from -0.045mm slimes. However, further work is required to determine the appropriate magnetic field strength for separation of the low value mineral forms (e.g. magnetic iron oxides) from the high value Monazite into the nonmagnetic fraction. Associated mass and mineral recoveries can then be used to quantify the potential economic value to be created from the slimes stream.
- All stages of the planned test work Phase 2 can be performed in Australia.
- The method of abbreviated ICP analysis for Ce, La and Y may be considered a reliable inexpensive analytical method for assessment of process recoveries at the test work Stage 2.

The testwork confirms that REE mineral products meeting commercial grade thresholds can be produced from the Sandy Mitchell HMC without full-stream grinding, supporting the economic basis for the existing Mineral Resource Estimate.

The testwork re-prioritises the -0.5+0.15mm process circuit (from second to first priority) within the overall test program, given demonstrated production of saleable REE products without grinding of the full stream.

The TiO2 concentrate test work showed that a 73.5% TiO2 leucoxene product can be generated from the HM concentrate at the MSP stage, with contaminants within saleable limits.

The metallurgical assumptions underpinning the current Mineral Resource Estimate remain reasonable and consistent with Phase 2 Variation 1 results. Further testwork will be used to refine metallurgical factors in subsequent resource updates and feasibility studies.

Phase 2 report was unavailable at the time of writing.

12.0 CLASSIFICATION

The classification for this resource is conducted according to JORC 2012 guidelines. The resource has the 3 classifications, measured, indicated and inferred for the following reasons.

- The 3 programs conducted by Ark over the years have shown consistency in mineralisation and continuity in grade with 3 varying drill grid patterns of 100m x 50m, 100m x 100m staggered pattern and the current program of approximately 280m x 280m staggered grid. Variability in grade and mineralisation has rarely changed.
- Consistency of 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.
- There is a strong recognition of geological controls on mineralisation.
- Variability in the grade distribution is sufficient to create quality variograms.
- A high degree of metallurgical understanding.
- Shallow mineralisation from surface indicates a simple and cheap mining method.

The classifications are therefore measured in the close spaced area of 100m x 100m of closer in the south-west corner and indicated in the remainder except for one small area where drilling could not be conducted due to pastoral issues (Figure 8).

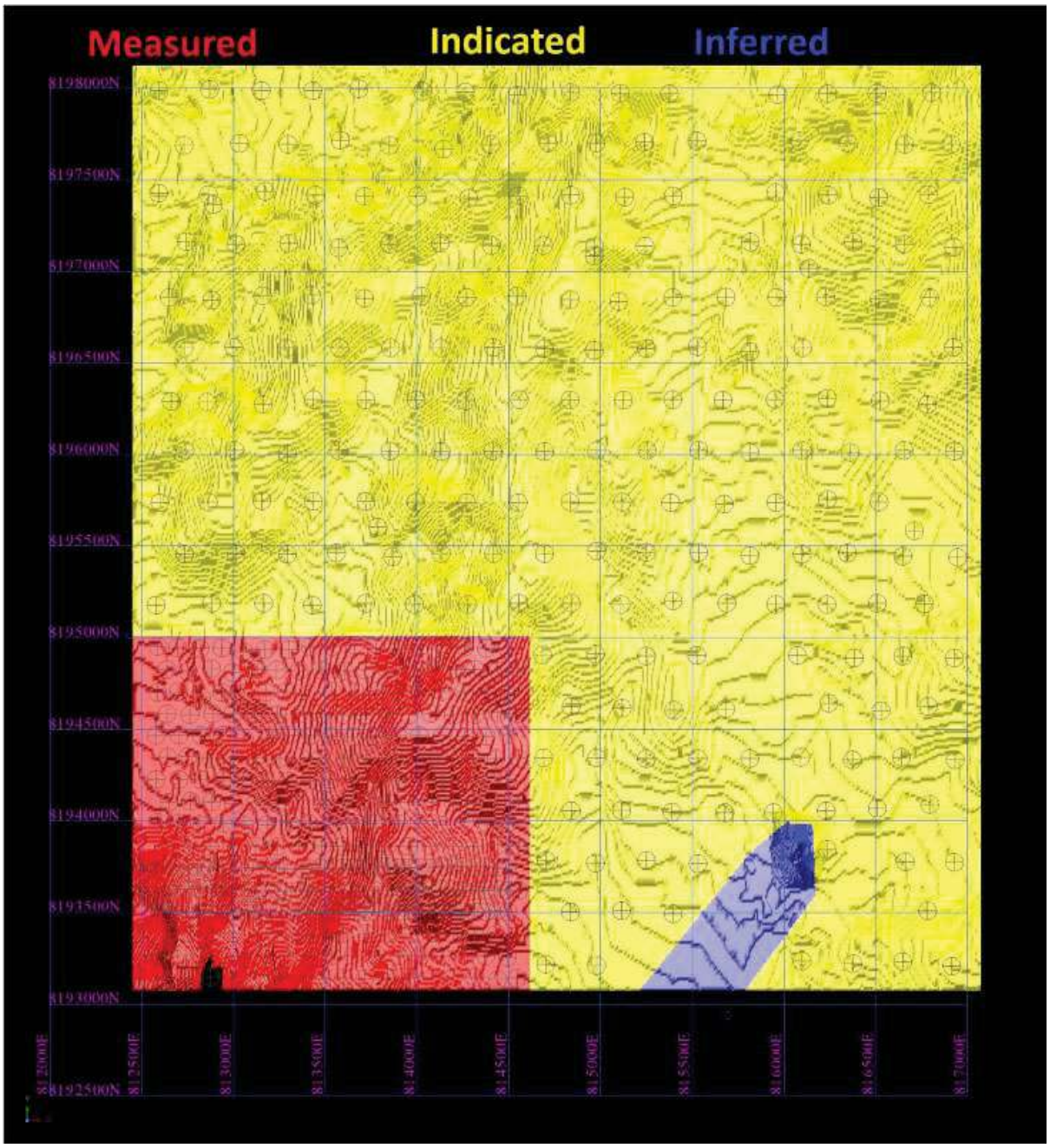

Figure 8: *Classification of the Sandy Mitchel resource with drilling collars.*

13.0 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 1957ppm MzEq lower cut-off grade. The new Cut-off grade is based on the new extended mineral suite MzEq calculation and was determined by statistical analysis to isolate the mixed population of the left tail and truncate the low-grade tail, whilst honouring the geology and acting as an effective discriminator. The spatial correlation between the previous (700ppm MzEq) and new cut-off grade (1957ppm MzEq) is exact and the new cut-off grade of 1957 ppm MzEq yields the same geologically validated domain constraints.

Table 7: *Reported resource for Sandy Mitchell at a 1957ppm MzEq lower cut-off.*

MzEq Cut-off	Tonnes	Mzeq (ppm)	Alt Ilmenite (ppm)	Creo (ppm)	Hi Ti Leucoxene (ppm)	Ilmenite (ppm)	Lo Ti Leucoxene (ppm)	Magreo (ppm)	Monazite (ppm)	Rutile (ppm)
Measured	73,191,000	4,990	230	110	220	250	140	100	1,310	80
Indicated	296,388,000	5,570	250	100	240	270	150	80	1,360	80
Inferred	9,842,000	4,630	250	100	240	270	150	90	930	80
Total	**379,421,000**	**5,430**	**250**	**100**	**240**	**270**	**150**	**90**	**1,340**	**80**

MzEq Cut-off	Tonnes	Treo (ppm)	Treo + Y (ppm)	Xenotime (ppm)	Zircon (ppm)	Garnet (%)	Muscovite (%)	Biotite (%)	Tcm (%)	Thm (%)
Measured	73,191,000	400	430	50	660	2.3	1.2	10.9	14.7	2.6
Indicated	296,388,000	330	360	50	660	2.9	1.1	12.3	16.6	3.2
Inferred	9,842,000	340	370	40	660	2.2	1.1	11.7	15.2	2.4
Total	**379,421,000**	**340**	**370**	**50**	**670**	**2.7**	**1.1**	**12.0**	**16.2**	**3.0**

A full breakdown of the resource details is in **Appendix 1**.

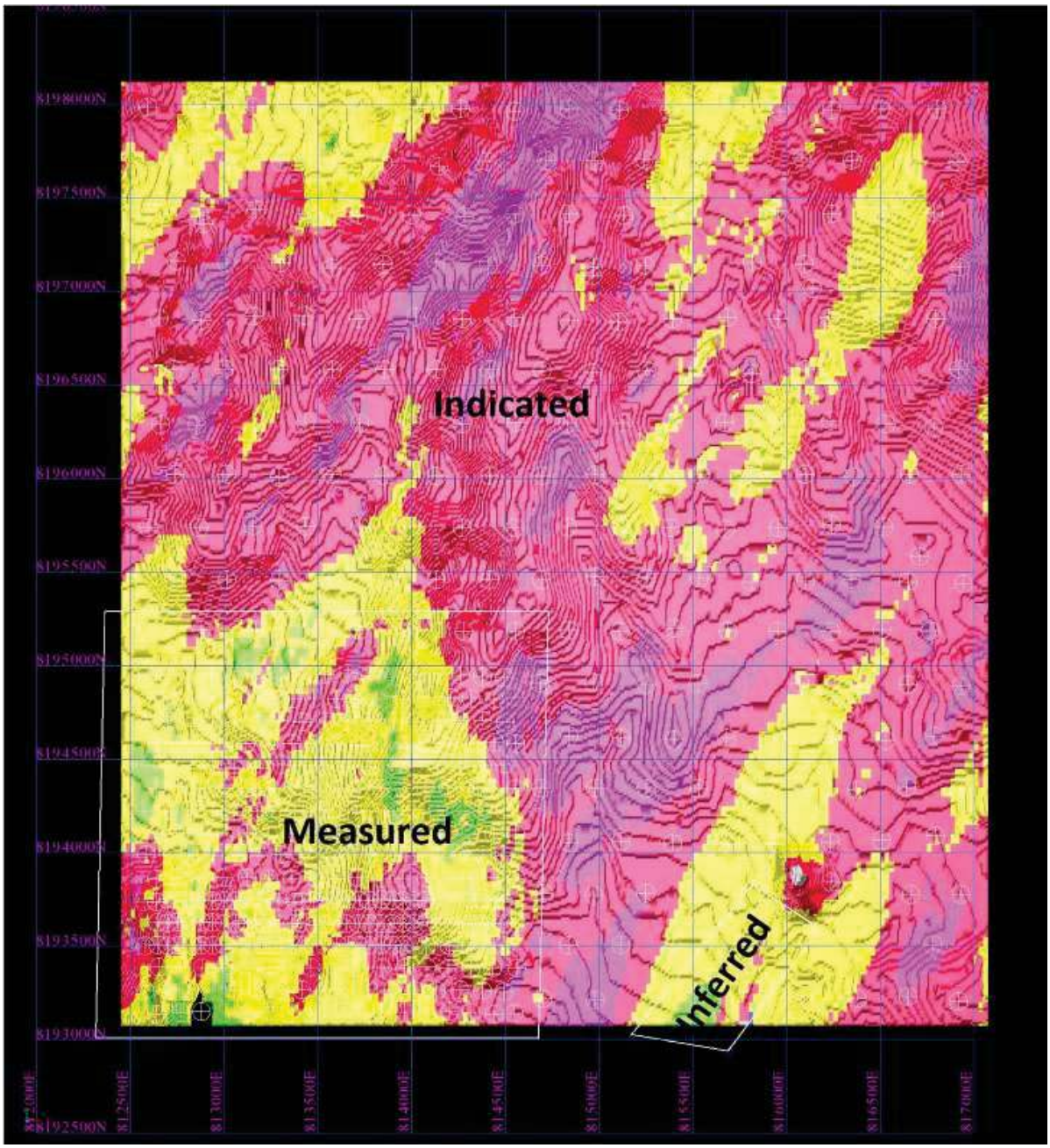

Figure 9: *Sandy Mitchell block model showing MzEq grade distribution.*

14.0 MODEL VALIDATIONS

The model was validated via the following:

1. 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.
2. 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.

14.1 Trend Analysis Plots

The following figures 10 to 16 show trend comparison plots between the drill sample data and the interpolated block model data. The purpose is to show if any major discrepancies exist between the 2 data sets. The 2 sets of data should follow each other relatively closely.

This exercise was conducted on 6 elements being:

- OK1: Sc Scandium
- OK 10: Tb Terbium
- OK 11: Dy Dysprosium
- OK 12: Ho Holmium
- OK 13: Er Erbium
- OK 14: Tm Thulium
- OK 15: Yb Ytterbium

All 6 datasets show a close relationship and are considered acceptable for the resource.

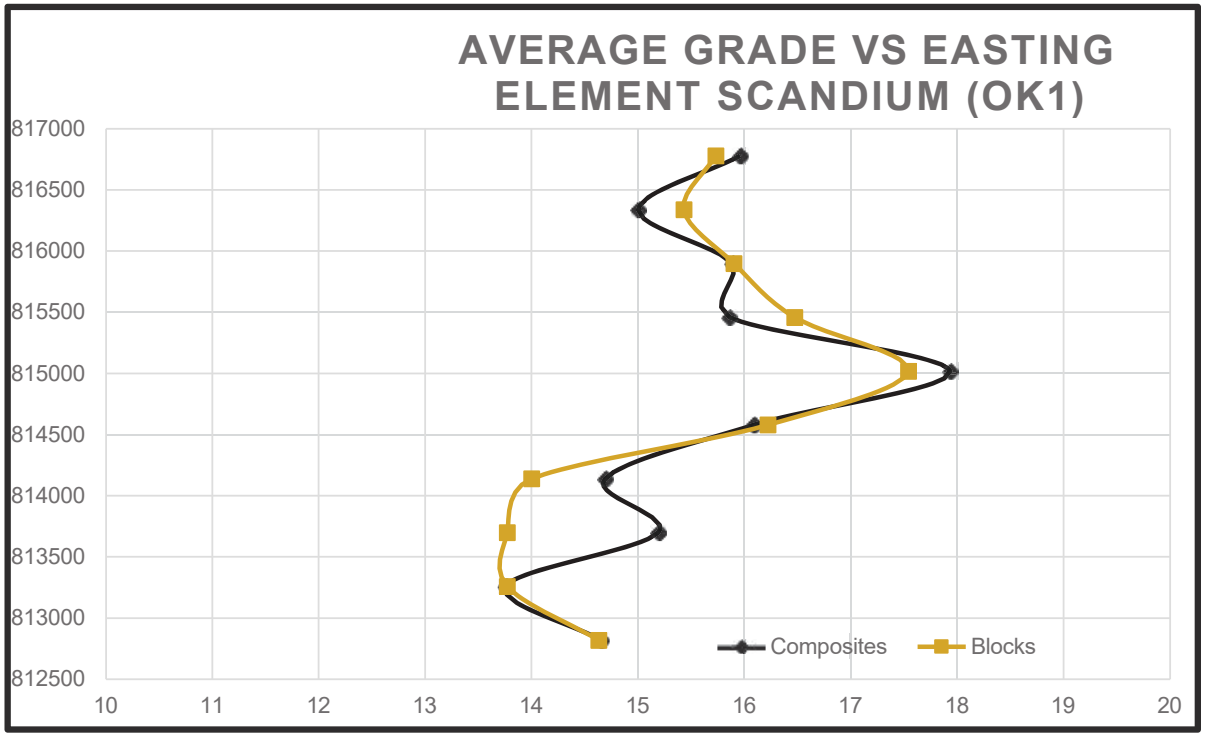

Figure 10: *Trend analysis plot for Scandium.*

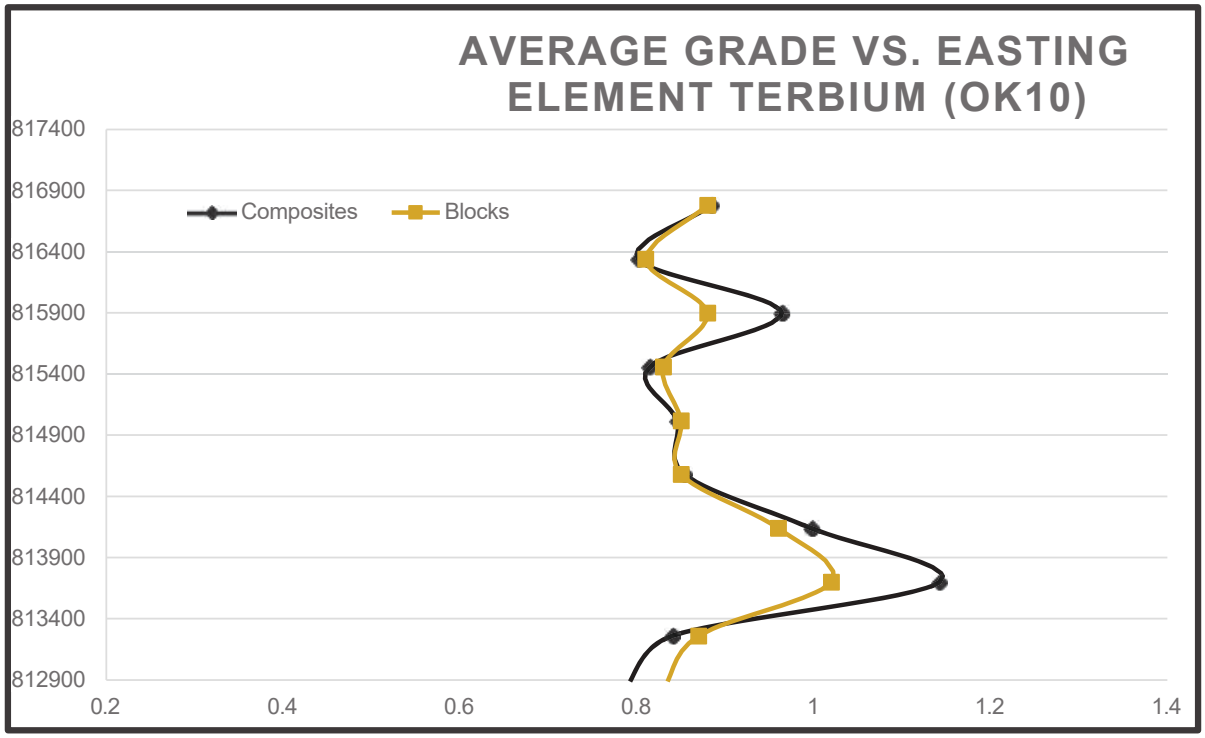

Figure 11: *Trend analysis plot for Terbium.*

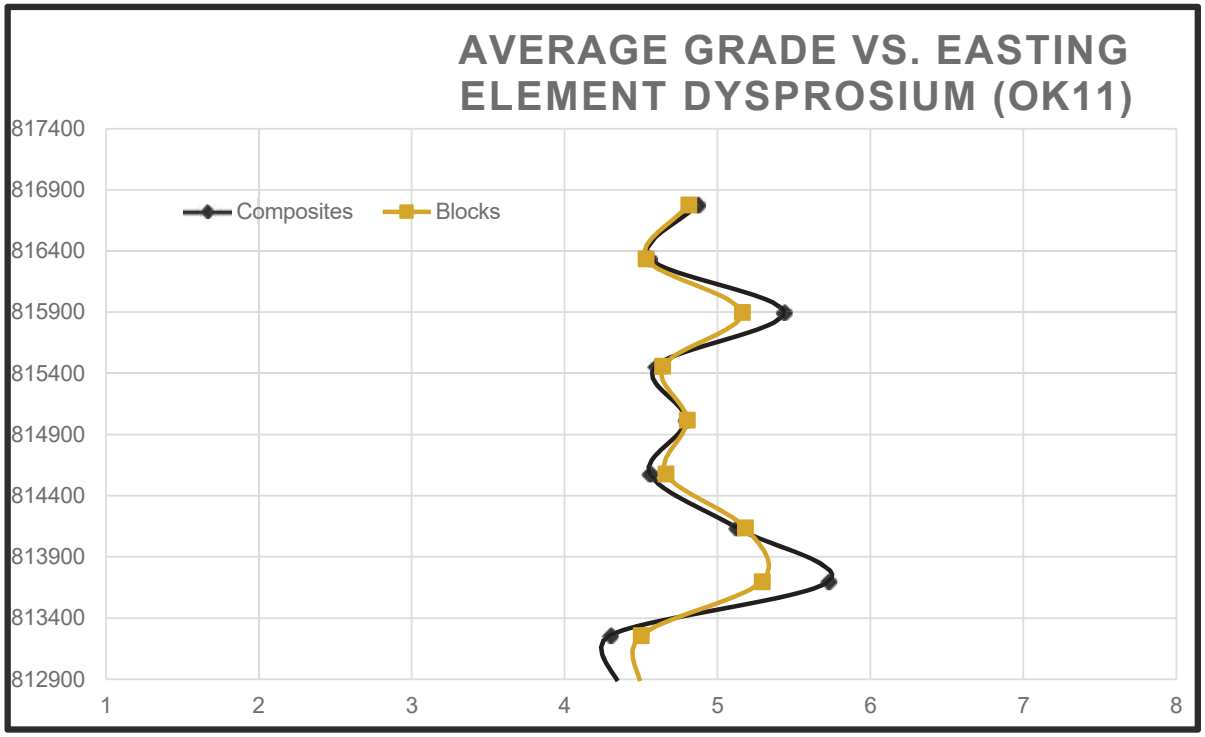

Figure 12: *Trend analysis plot for Dysprosium.*

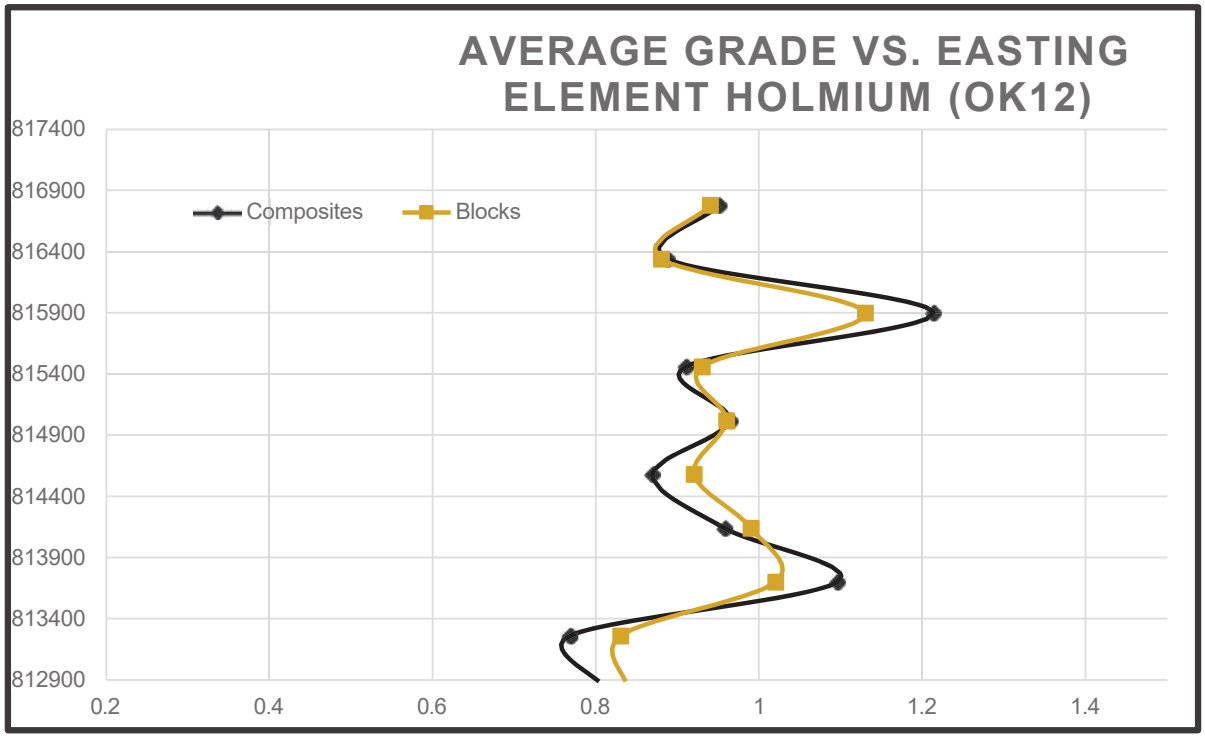

Figure 13: *Trend analysis plot for Holmium.*

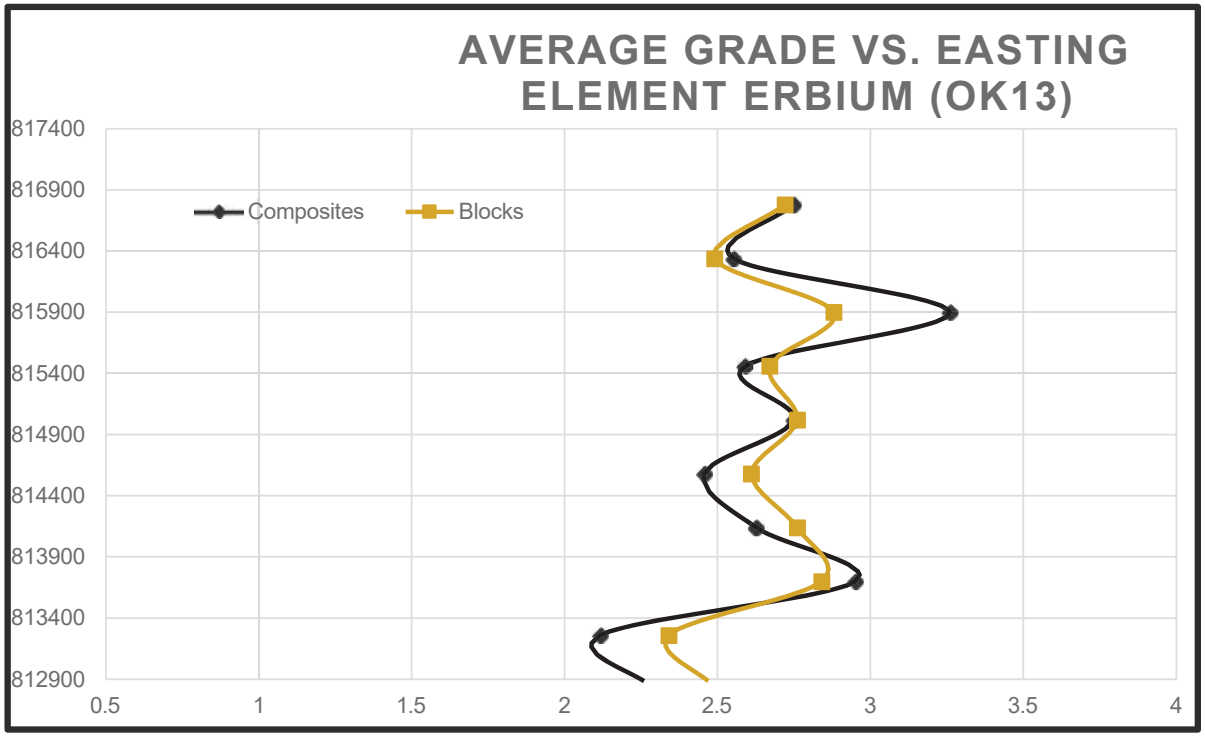

Figure 14: *Trend analysis plot for Erbium.*

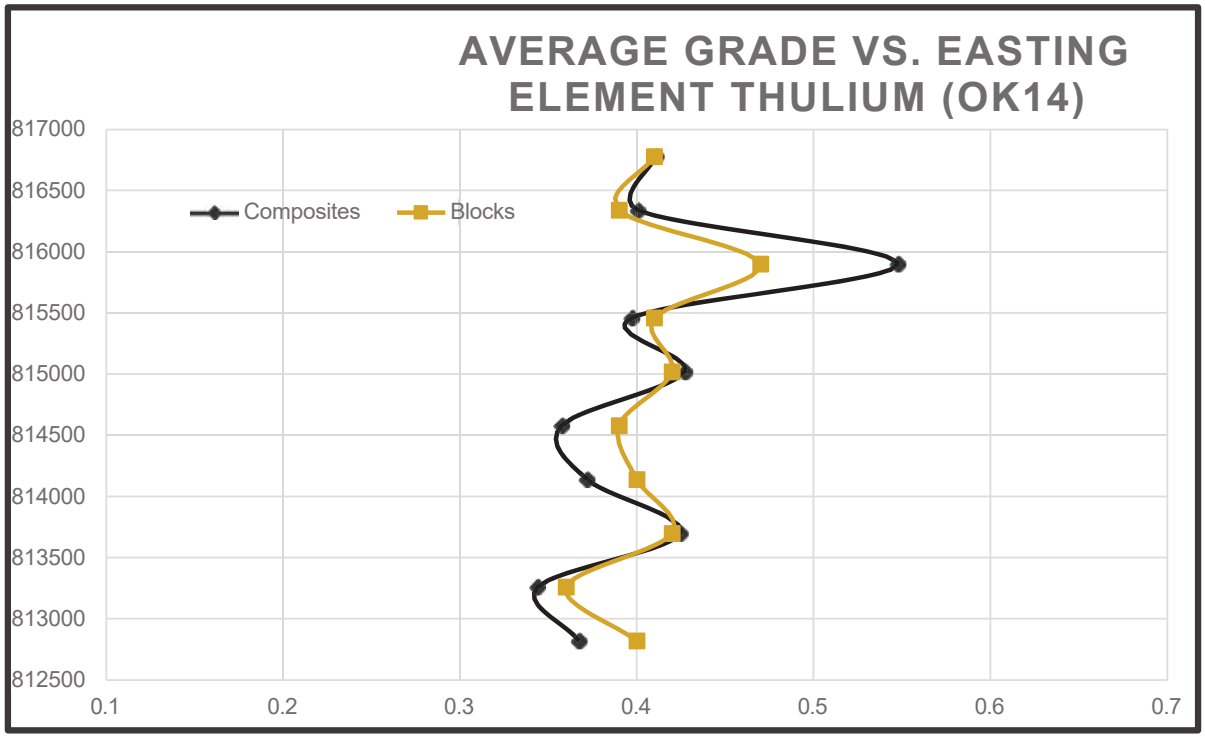

Figure 15: *Trend analysis plot for Thulium.*

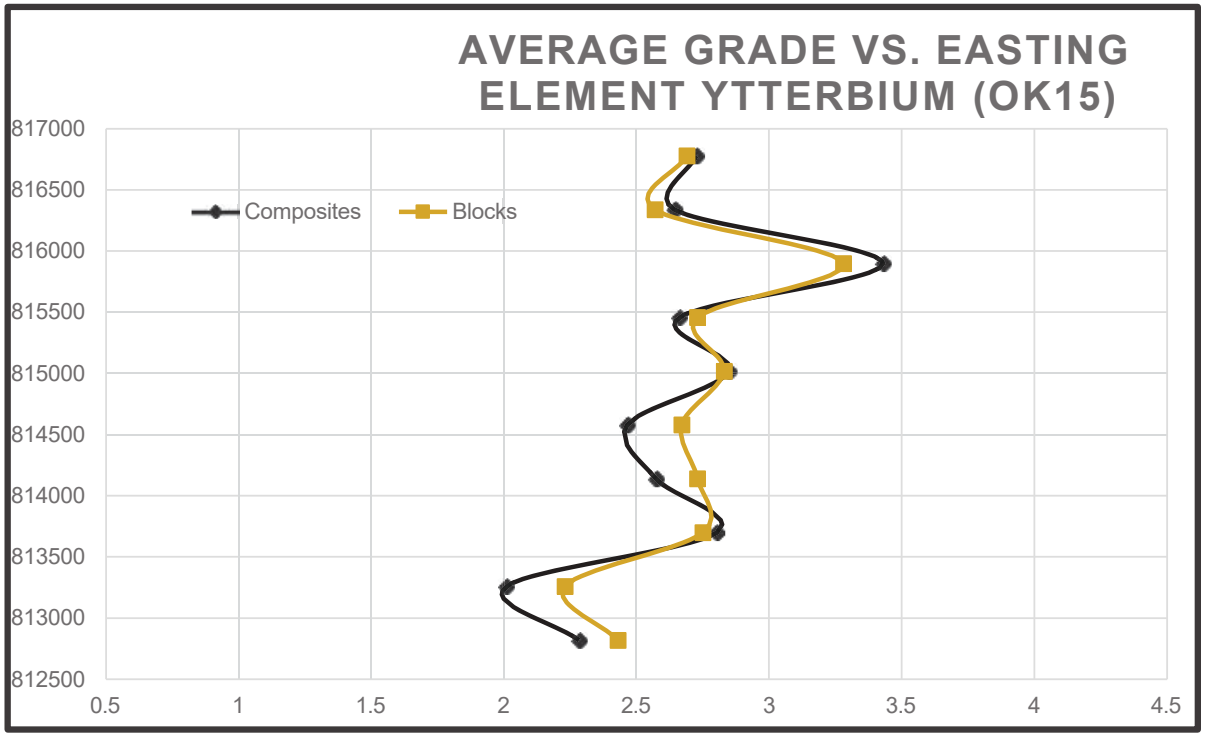

Figure 16: *Trend analysis plot for Ytterbium.*

14.2 Visual Data Comparisons

Visual comparisons were conducted to show the grade variations between the interpolated blocks and drill hole grades. This was conducted on Cerium (Ce) and Neodymium (Nd) in Figures 17 and 18. All other elements were visually checked. Due to the size of the model and distance between drill holes, images are kept to 2 for this report. Validation work in the November 2024 report displayed the same images and resulted in good comparisons The results show a close visual comparison and acceptable for this resource.

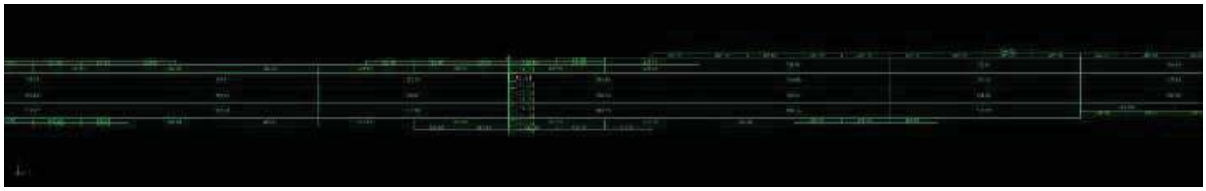

Figure 17: *Visual comparison between the block grades and drill hole grades for Cerium (Ce).*

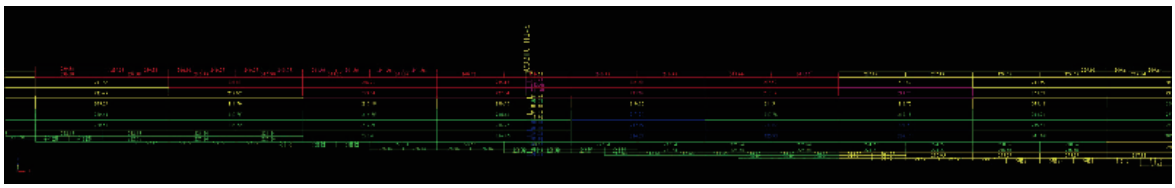

Figure 18: *Visual comparison between the block grades and drill hole grades for Neodymium (Nd).*

15.0 Field Trip

Andrew Hawker conducted a field trip on the 11th of November 2025 with an independent local Prospector and professional exploration Field Assistant, Corey Mills. The weather around 37° and humidity is 90%. Evening thunderstorms occurred though this did not restrict access. We travelled in 2 vehicles for safety reasons, staying overnight at Chillagoe.

A drone was used to assist in finding locations of interest and access.

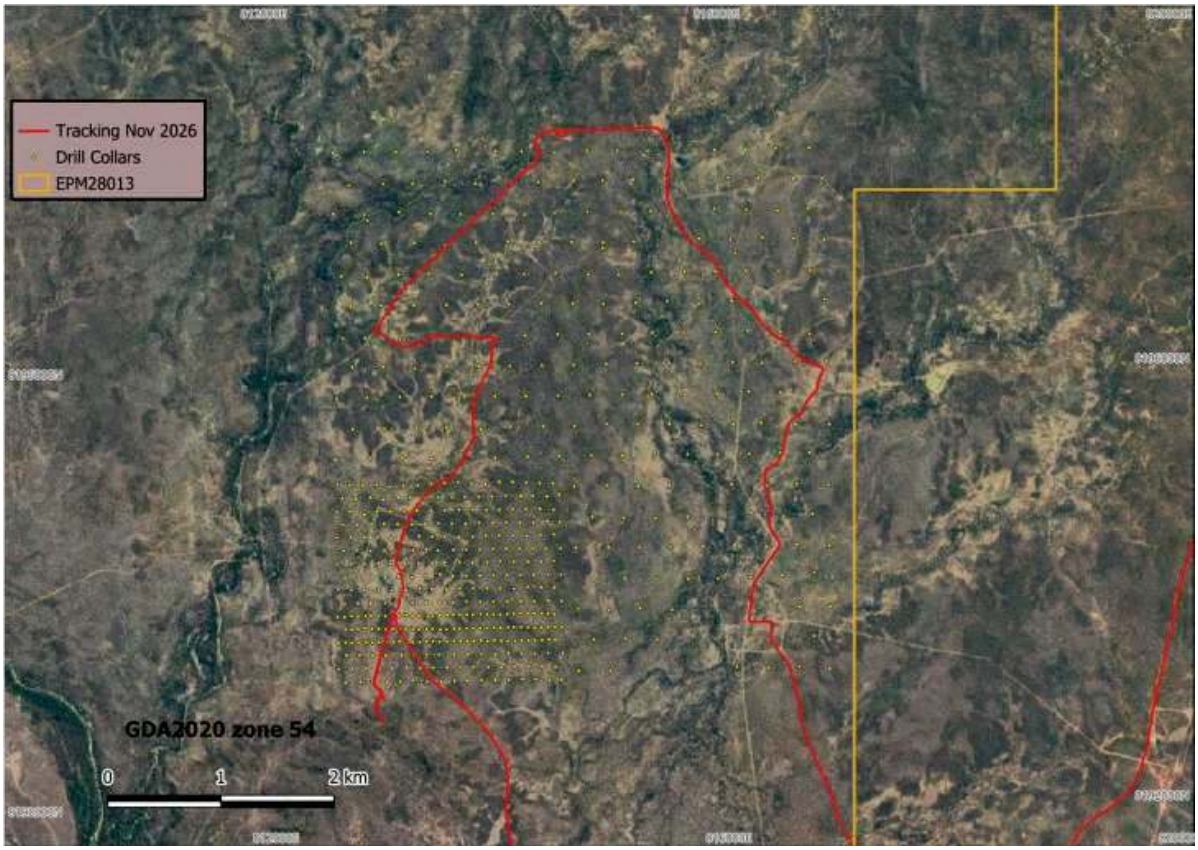

Figure 19: *Field trip tracking covering the drill area.*

The trip covered the area of drilling with a few areas stopped for assessment and running the drone to view from above.

To the south below the drilling the area starts to lift with a gentle slope allowing a general view of the region (Figure 20).

Drill holes were identifiable with metal stakes and hole identification markings (Figure 21).

Most of the drilling area was flat with signs of past rain wash (Figure 22). The bushland was low to moderate sub-tropical trees and shrubs.

Figure 20: *View from the south just off the drilling area looking north.*

Figure 21: *Hole 656 identifiable with a metal survey stake.*

Figure 22: *Drilling area was flat with signs of past rain wash.*

From above, the region to the south, where drilling is thicker, bushland has been cleared for drilling. There are no visible signs of the mineralisation potential from surface (Figure 23).

Figure 23: *Drone image taken in the south-west where drilling density is thicker.*

Drone image from the north shows thicker flora due to greater drilling grid. Land topography is flat (Figure 24).

Figure 24: *Drone image taken from the north looking south showing thicker flora within a flat terrain.*

16.0 REFERENCES

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APPENDIX 1: Resource Details

MzEq Cut-off	Tonnes	Mzeq (ppm)	Alt Ilmenite (ppm)	Creo (ppm)	Hi Ti Leucoxene (ppm)	Ilmenite (ppm)	Lo Ti Leucoxene (ppm)	Magreo (ppm)	Monazite (ppm)	Rutile (ppm)
Measured	73,191,000	4,990	230	110	220	250	140	100	1,310	80
Indicated	296,388,000	5,570	250	100	240	270	150	80	1,360	80
Inferred	9,842,000	4,630	250	100	240	270	150	90	930	80
Total	**379,421,000**	**5,430**	**250**	**100**	**240**	**270**	**150**	**90**	**1,340**	**80**

MzEq Cut-off	Tonnes	Treo (ppm)	Treo + Y (ppm)	Xenotime (ppm)	Zircon (ppm)	Garnet (%)	Muscovite (%)	Biotite (%)	Tcm (ppm)	Thm (ppm)
Measured	73,191,000	400	430	50	660	2.3	1.2	10.9	14.7	2.6
Indicated	296,388,000	330	360	50	670	2.9	1.1	12.3	16.6	3.2
Inferred	9,842,000	340	370	40	660	2.2	1.1	11.7	15.2	2.4
Total	**379,421,000**	**340**	**370**	**50**	**670**	**2.7**	**1.1**	**12.0**	**16.2**	**3.0**

MzEq Cut-off	Tonnes	Alt Ilmenite	Creo	Hi Ti Leucoxene	Ilmenite	Lo Ti Leucoxene	Magreo
Measured	73,191,479	231.99	108.6	224.16	251.22	142.69	98.77
Indicated	296,387,958	251.88	98.79	243.37	272.75	154.92	84.82
Inferred	9,841,851	248.38	95.56	240	268.96	152.77	85.54
Total	**379,421,288**	**248.0**	**100.6**	**239.6**	**268.5**	**152.5**	**87.5**

MzEq Cut-off	Tonnes	Monazite	Mzeq	Rutile	Treo	Treo Y	Xenotime
Measured	73,191,479	1311.4	4986.6	77.8	400.2	429.5	46.7
Indicated	296,387,958	1361.2	5569.3	84.5	330.9	360.8	48.3
Inferred	9,841,851	931.0	4633.9	83.3	344.8	371.5	42.6
Total	**379,421,288**	**1340.5**	**5432.6**	**83.2**	**344.6**	**374.3**	**47.9**

MzEq Cut-off	Tonnes	Zircon	Garnet	Muscovite	Biotite	Tcm	Thm
Measured	73,191,479	655.7	2.3	1.2	10.9	14.7	2.6
Indicated	296,387,958	671.3	2.9	1.1	12.3	16.6	3.2
Inferred	9,841,851	664.0	2.2	1.1	11.7	15.2	2.4
Total	**379,421,288**	**668.1**	**2.7**	**1.1**	**12.0**	**16.2**	**3.0**

MzEq Cut-off	Tonnes	Sc (ppm)	Tb (ppm)	Dy (ppm)	Ho (ppm)	Er (ppm)	Tm (ppm)
Measured	73,191,479	14.8	0.9	4.8	0.9	2.4	0.4
Indicated	296,387,958	15.5	0.9	4.9	1.0	2.7	0.4
Inferred	9,841,851	16.3	0.8	4.1	0.8	2.3	0.3
Total	**379,421,288**	**15.4**	**0.9**	**4.8**	**1.0**	**2.7**	**0.4**

MzEq Cut-off	Tonnes	Yb (ppm)	Lu (ppm)	Th (ppm)	U (ppm)	Zr (ppm)	Y (ppm)
Measured	73,191,479	2.4	0.3	31.5	1.8	319.7	24.2
Indicated	296,387,958	2.8	0.4	24.9	1.6	327.6	24.8
Inferred	9,841,851	2.3	0.3	21.2	1.9	322.6	22.1
Total	**379,421,288**	**2.7**	**0.4**	**26.1**	**1.7**	**326.0**	**24.6**

MzEq Cut-off	Tonnes	Hf (ppm)	Nb (ppm)	As (ppm)	Ti (ppm)	S (ppm)	Ca (ppm)
Measured	73,191,479	8.8	14.7	9.2	3,793	149.5	20,410
Indicated	296,387,958	8.6	12.3	3.4	4,118	145.4	25,394
Inferred	9,841,851	9.0	12.5	3.1	4,060	260.2	11,936
Total	**379,421,288**	**8.6**	**12.8**	**4.5**	**4,053**	**149.2**	**24,083**

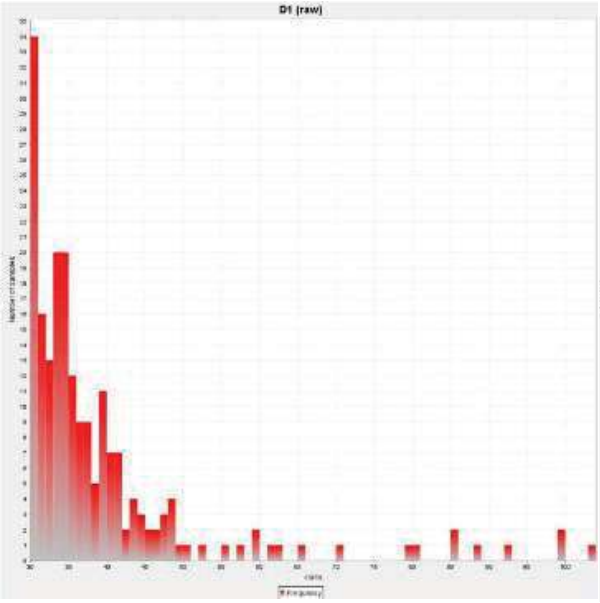
MzEq Cut-off	Tonnes	Sr (ppm)	Pb (ppm)	La (ppm)	Ce (ppm)	Pr (ppm)	Nd (ppm)
Measured	73,191,479	155.5	18.9	74.8	152.1	17.4	61.9
Indicated	296,387,958	152.3	12.4	60.5	121.9	14.4	52.9
Inferred	9,841,851	119.8	11.7	64.6	129.8	15.0	53.6
Total	**379,421,288**	**152.1**	**13.7**	**63.3**	**127.9**	**15.0**	**54.6**

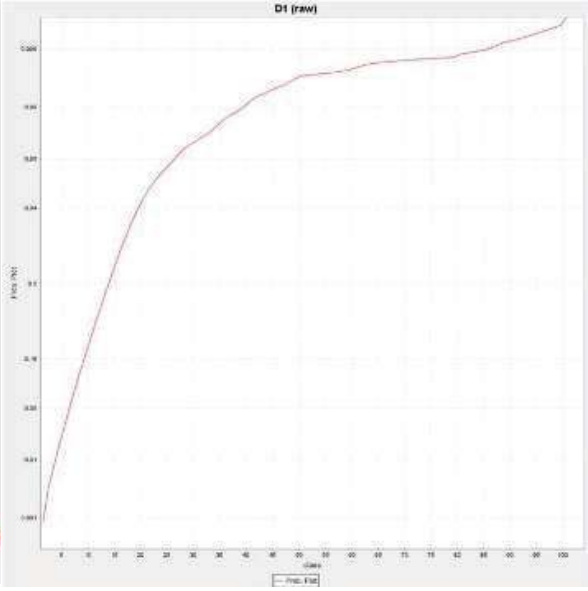
MzEq Cut-off	Tonnes	Sm (ppm)	Eu (ppm)	Gd (ppm)	Fe (ppm)	Mn (ppm)	Mg (ppm)
Measured	73,191,479	10.9	1.3	7.2	35,259	8.8	9,478
Indicated	296,387,958	9.1	1.2	6.7	39,833	523.0	12,790
Inferred	9,841,851	9.3	1.2	6.5	37,587	460.8	8,038
Total	**379,421,288**	**9.4**	**1.2**	**6.8**	**38,892**	**422.2**	**12,028**

MzEq Cut-off	Tonnes	Al (ppm)
Measured	73,191,479	72,948
Indicated	296,387,958	70,584
Inferred	9,841,851	70,464
Total	**379,421,288**	**71,037**

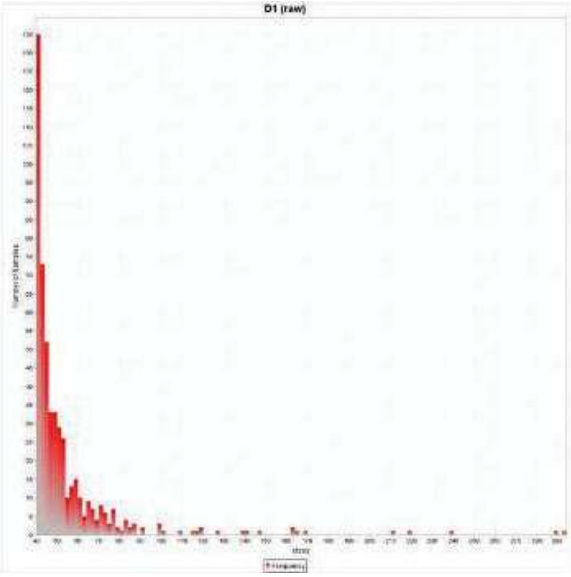
APPENDIX 2: Histogram and Probability Plots

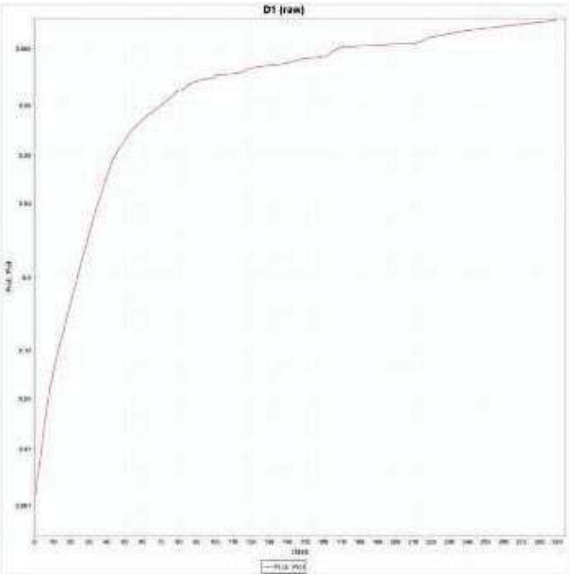
Scandium



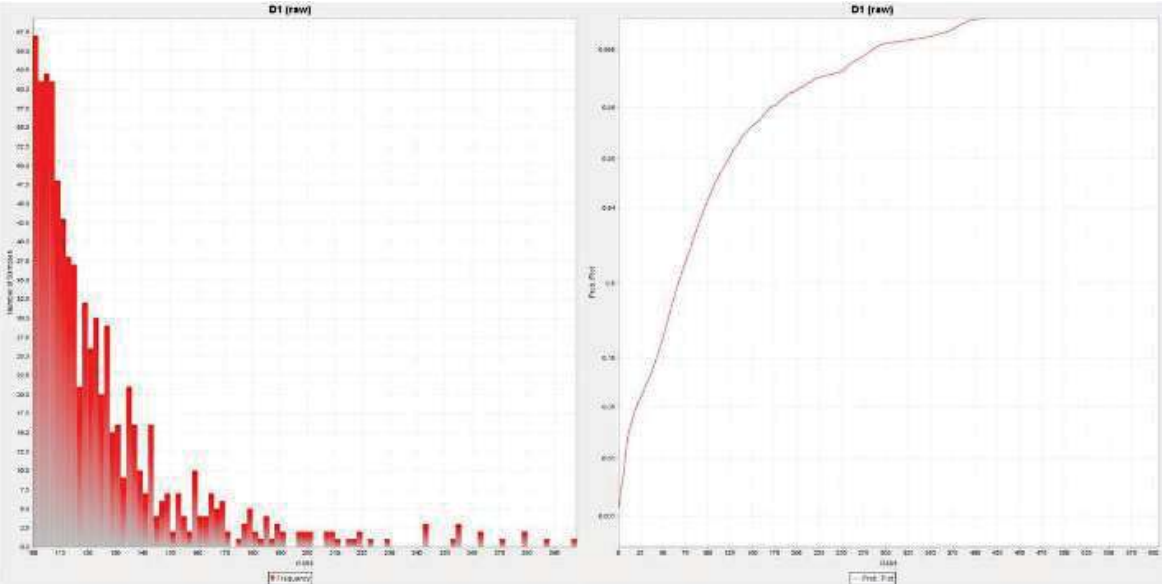


Yttrium

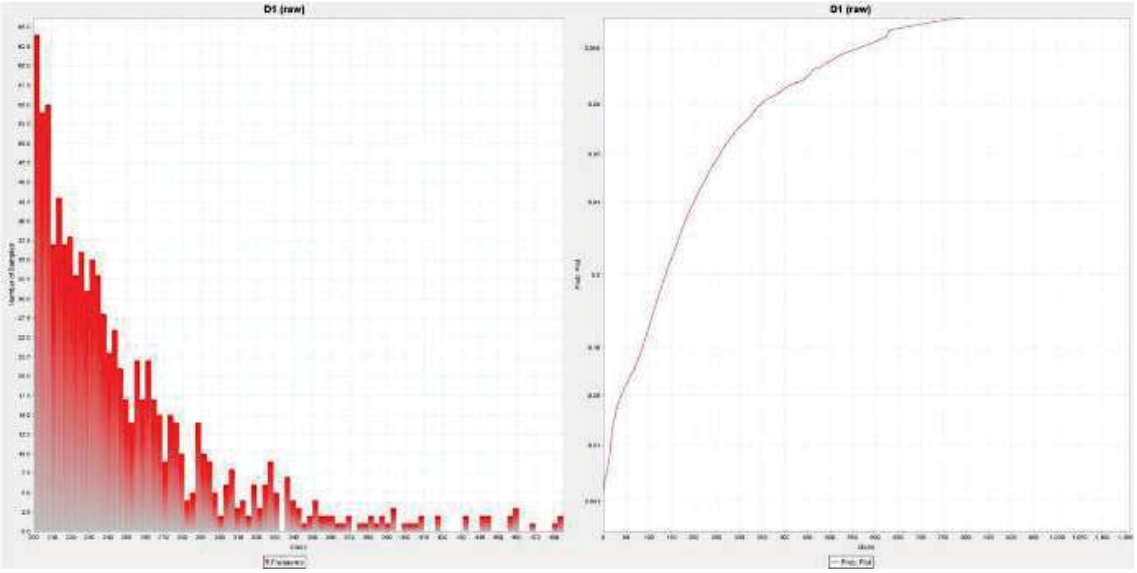




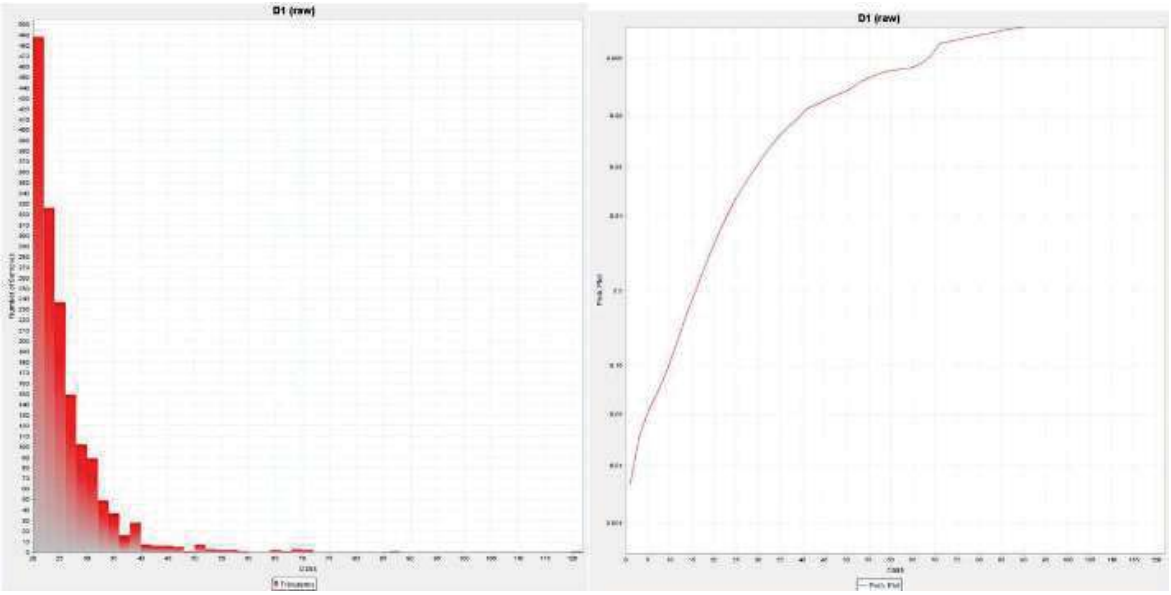
Lanthanum



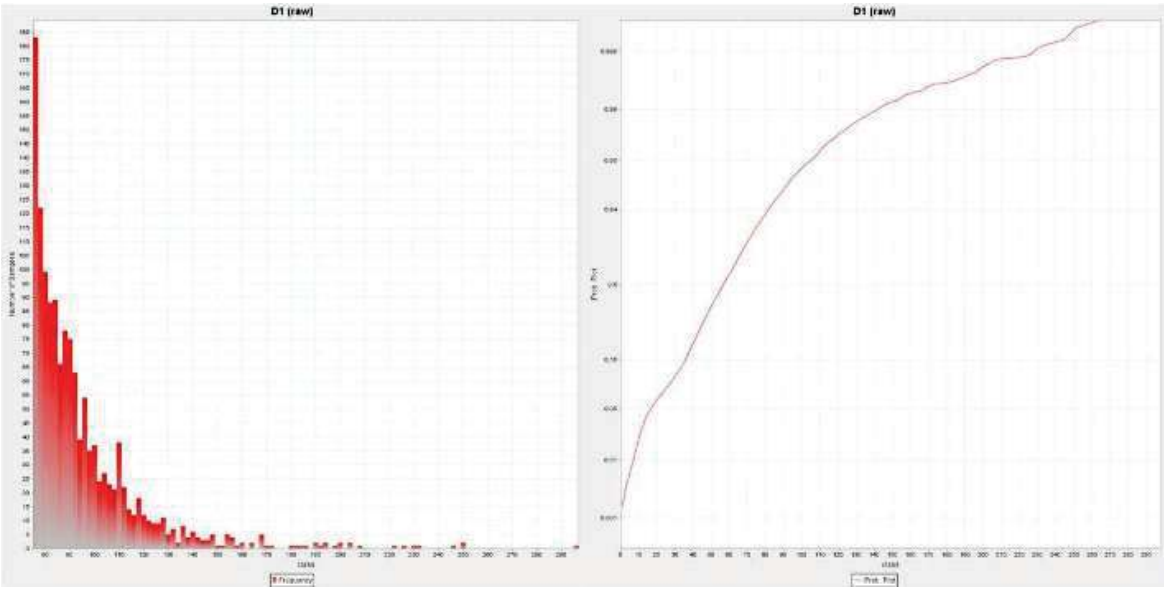
Caesium



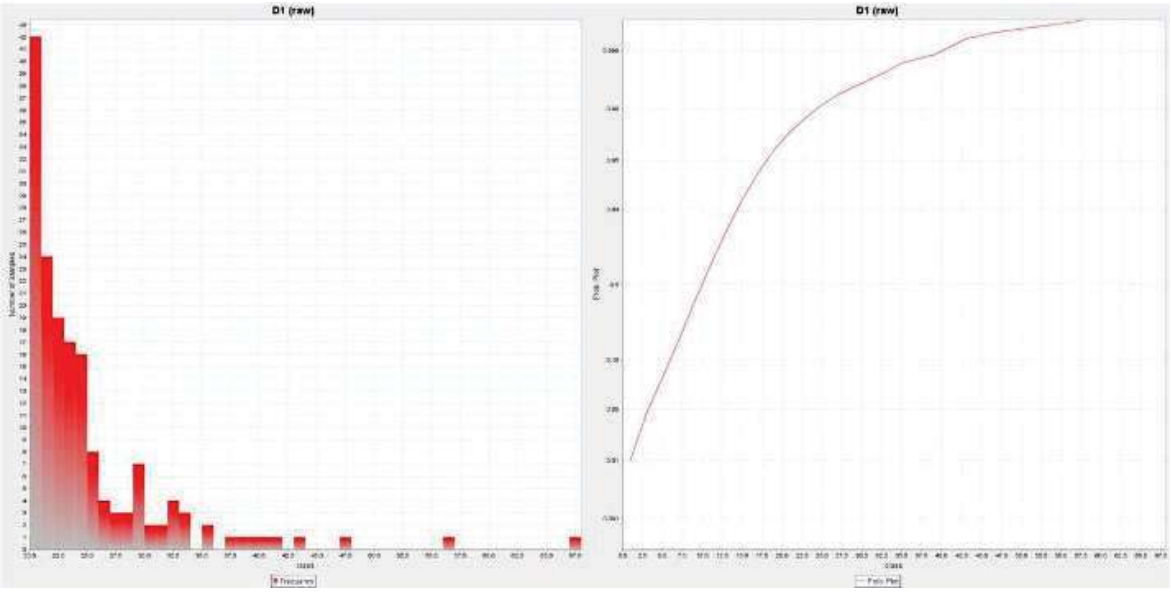
Praseodymium



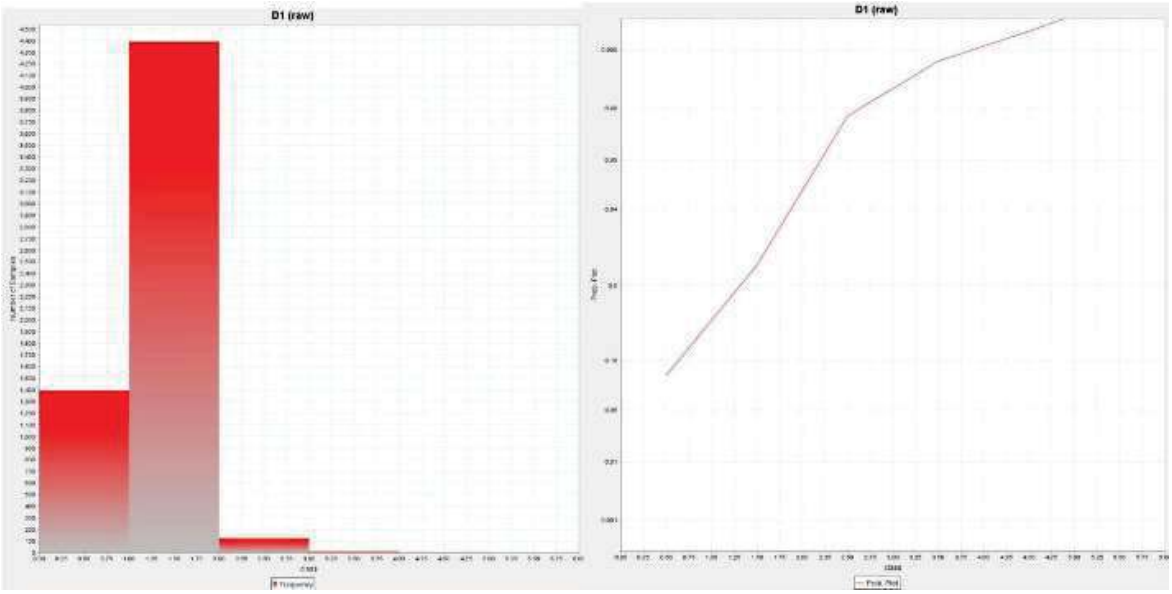
Neodymium



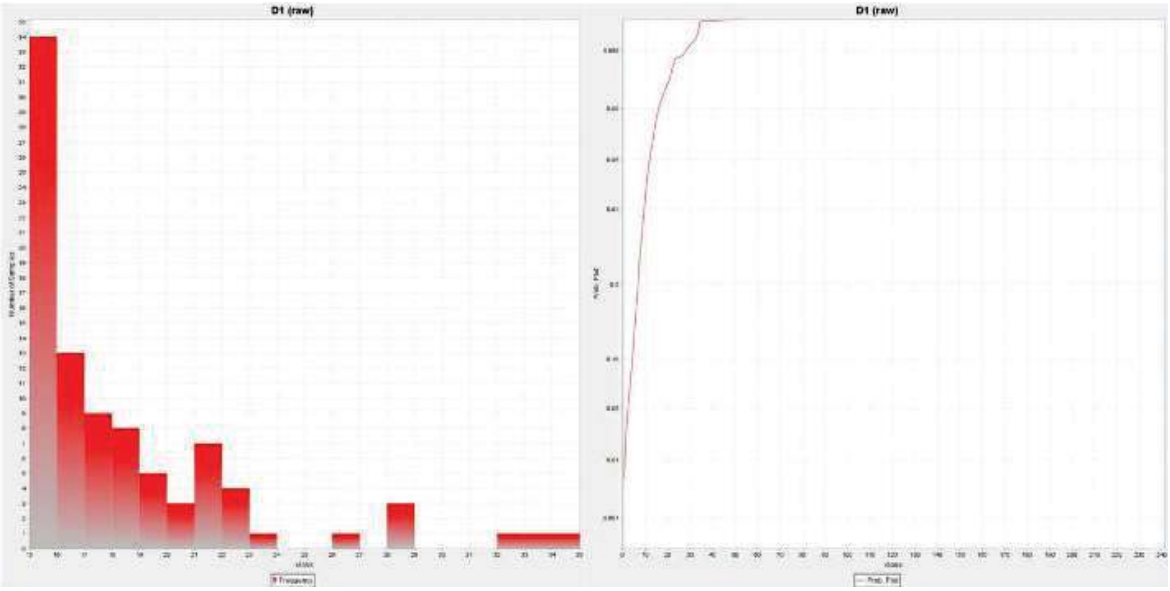
Samarium



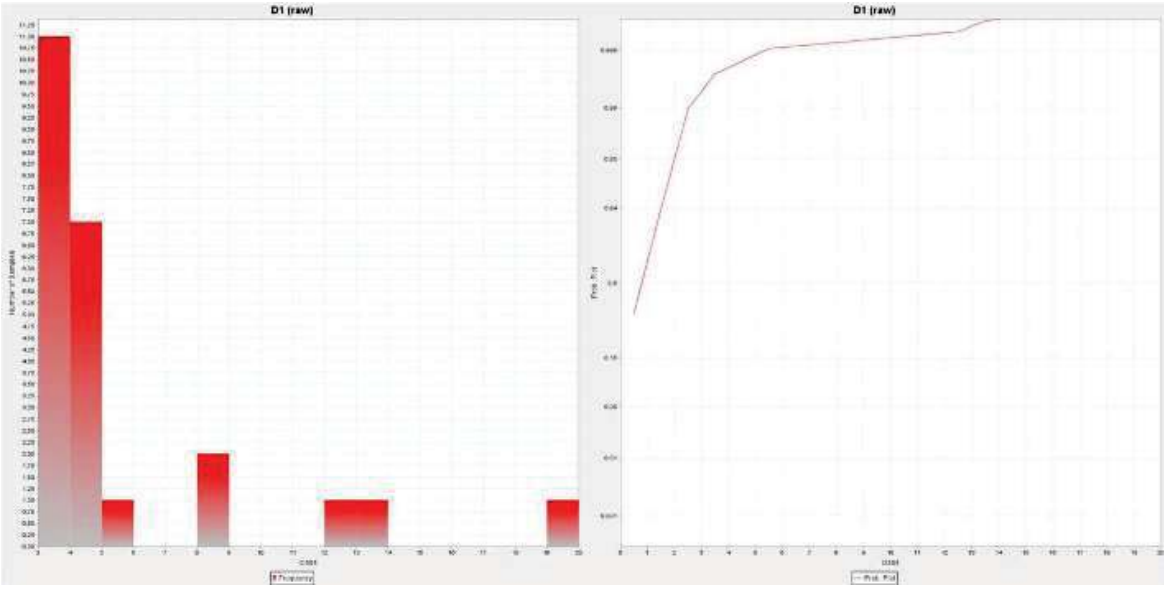
Europium



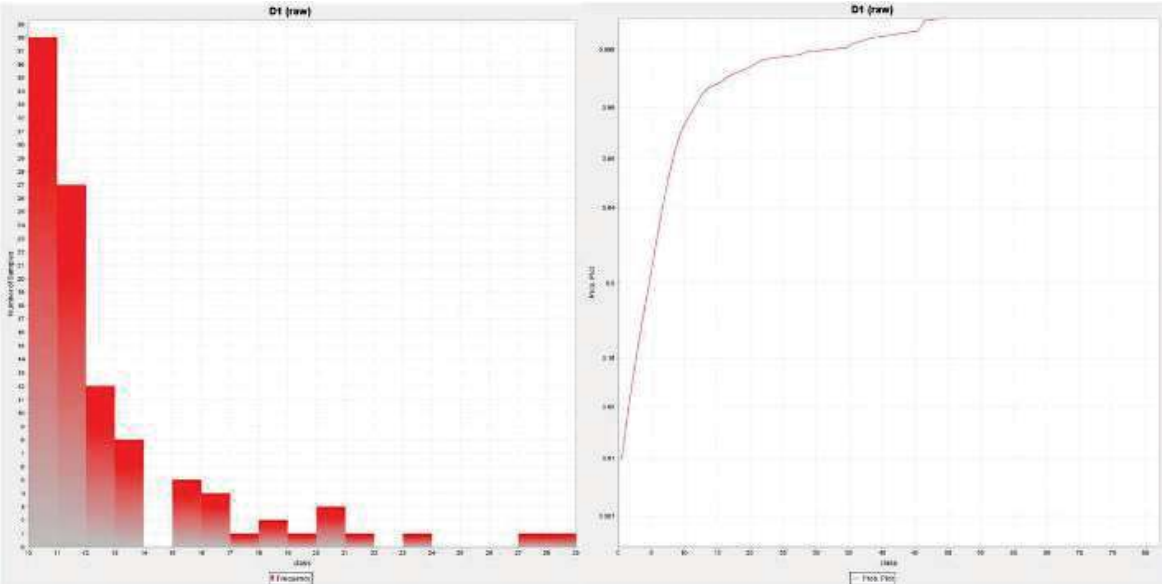
Gadolinium



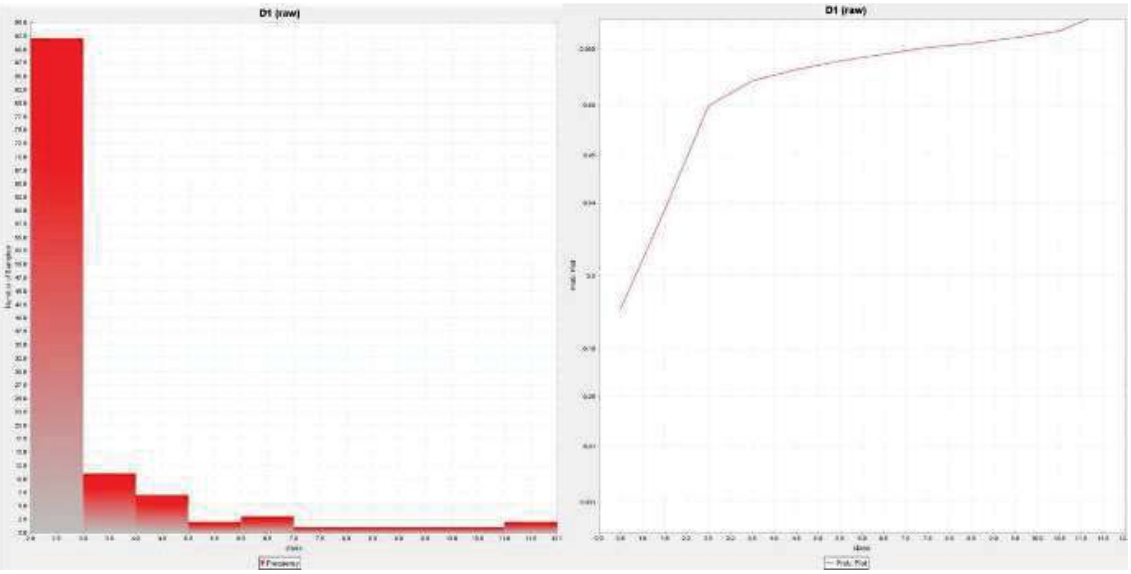
Terbium



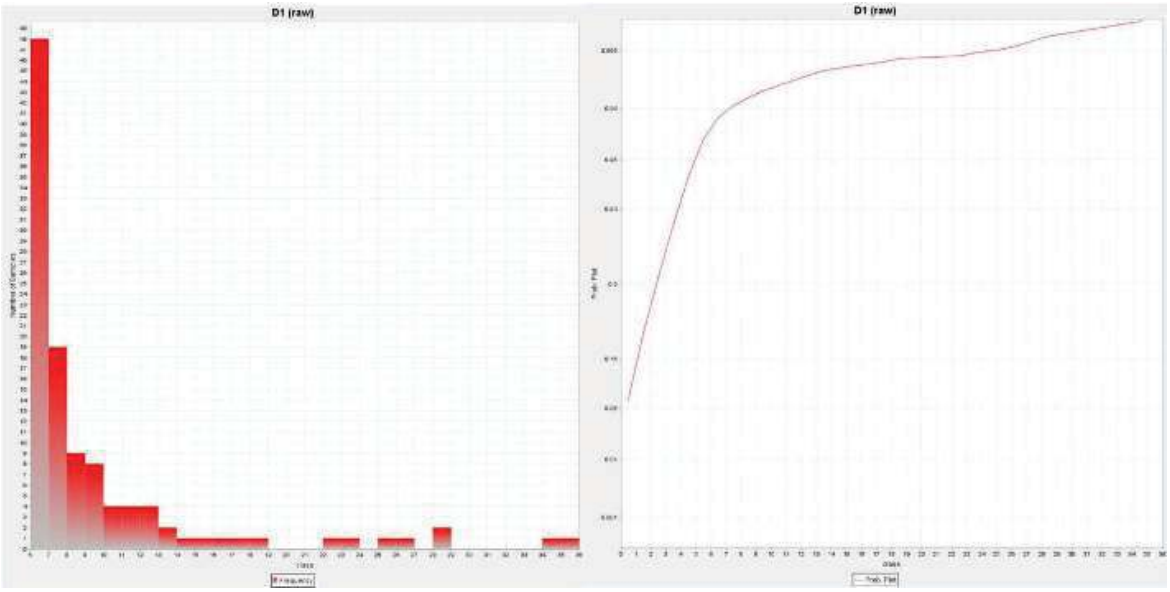
Dysprosium



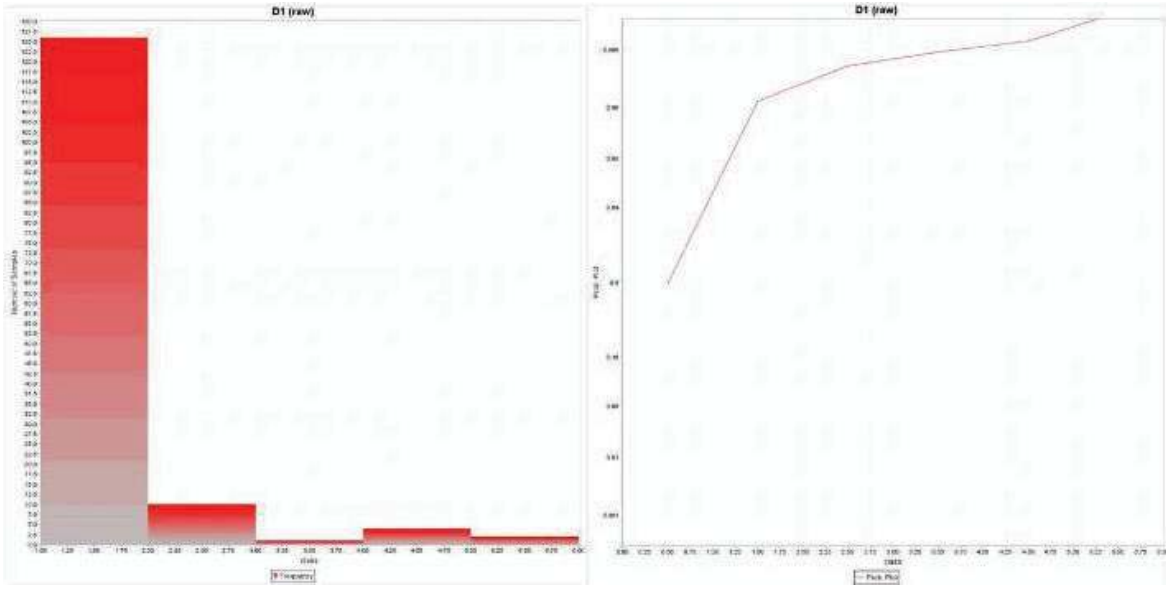
Holmium



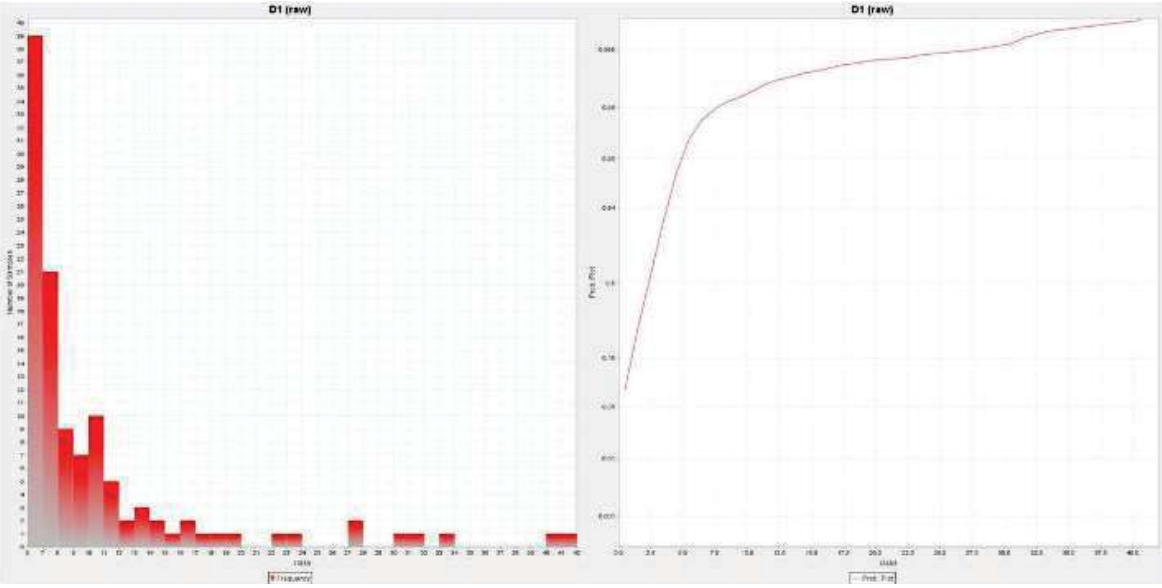
Erbium



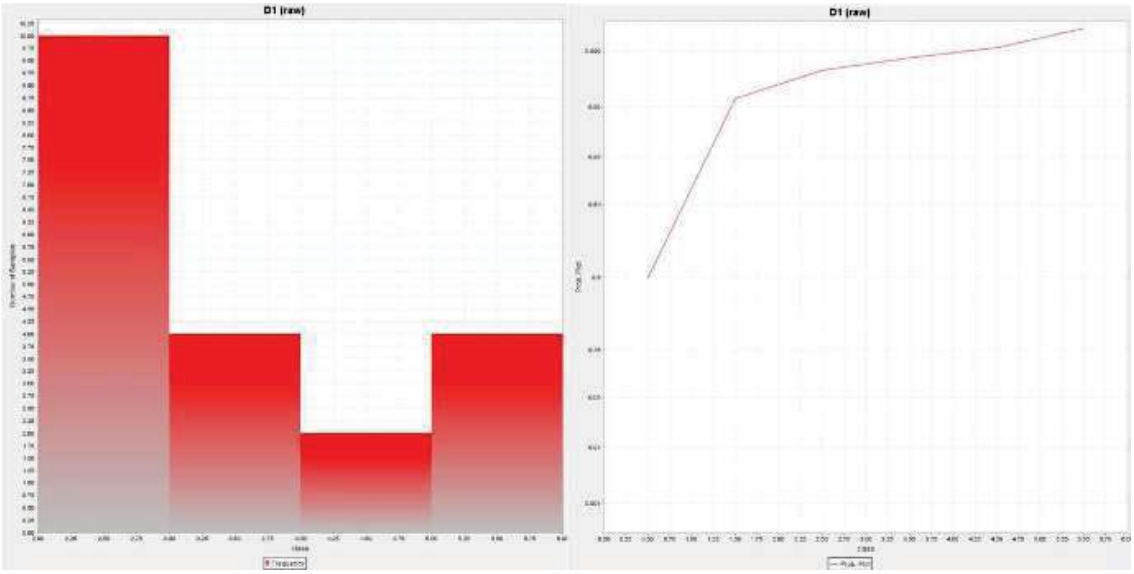
Thulium



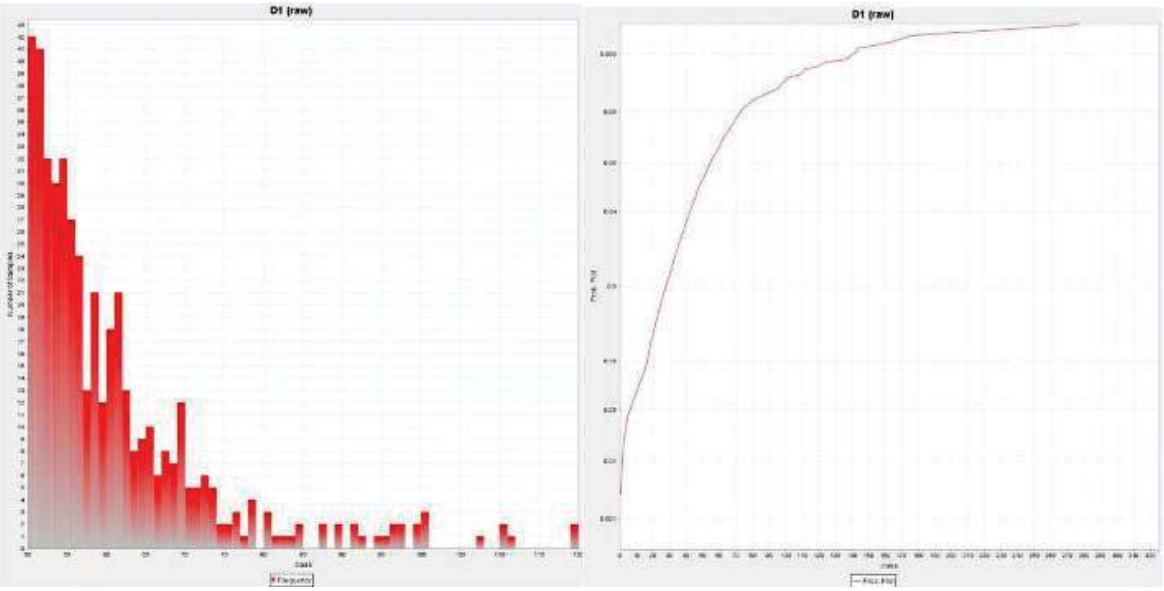
Ytterbium



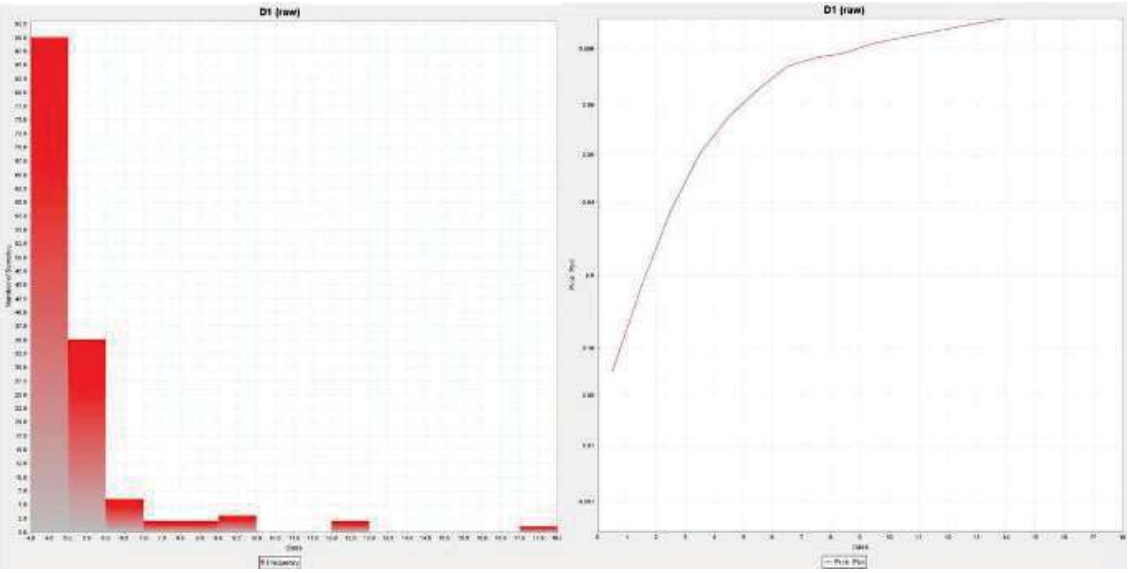
Lutetium



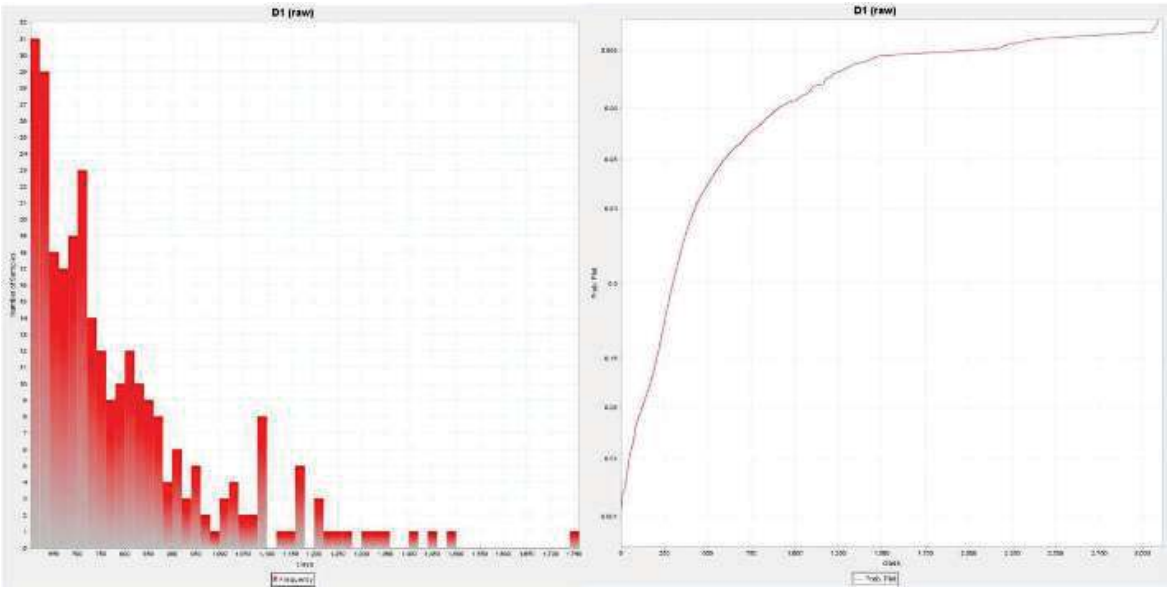
Thorium



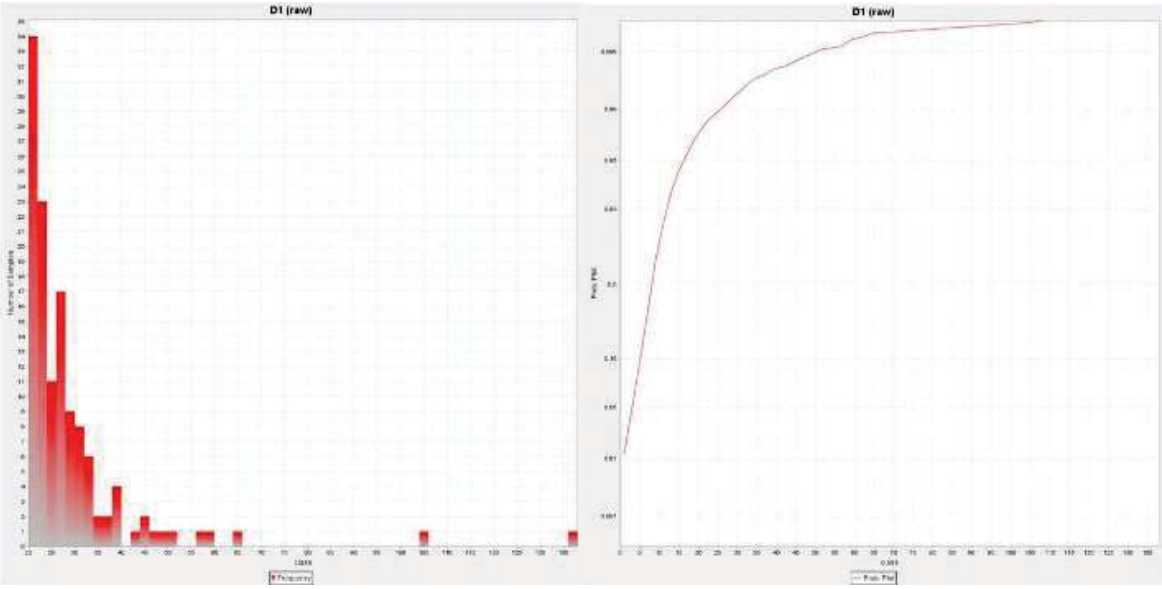
Uranium



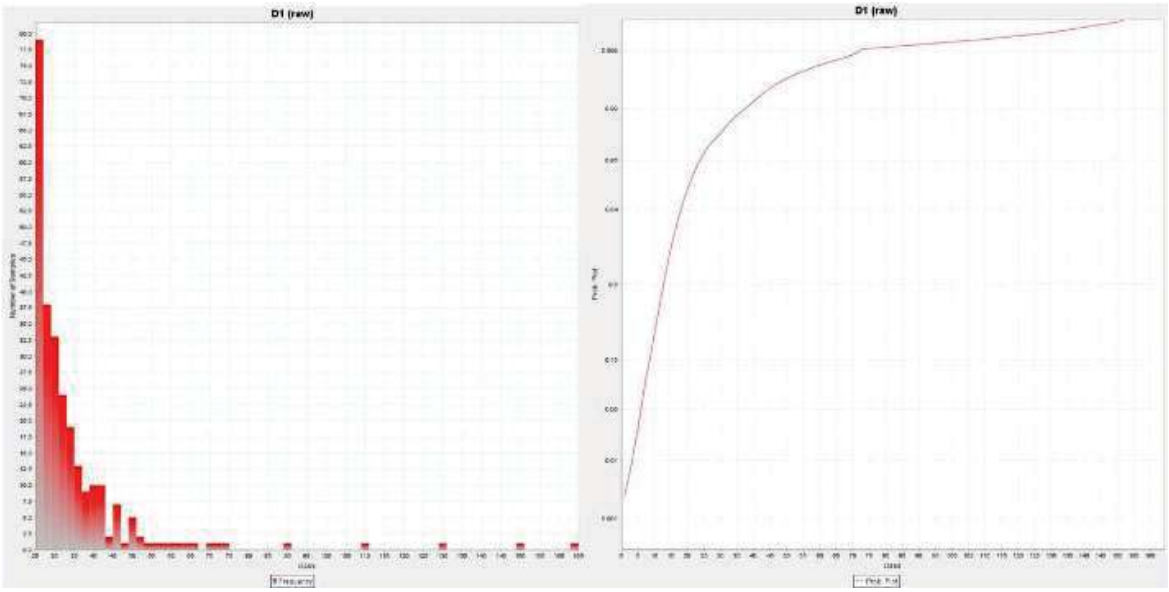
Zircon



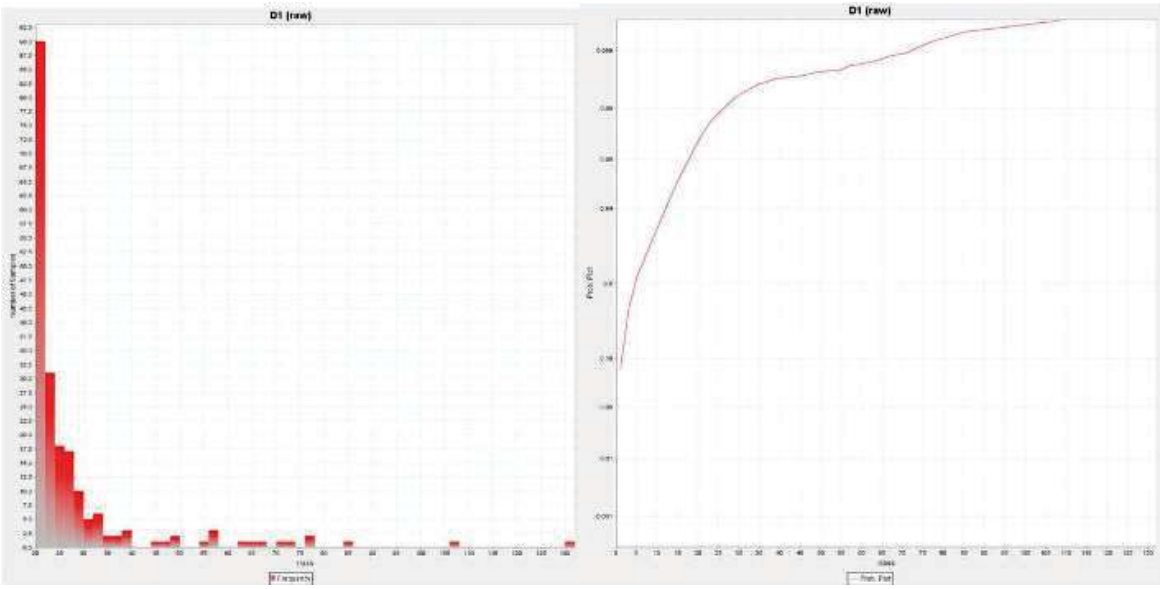
Hafnium



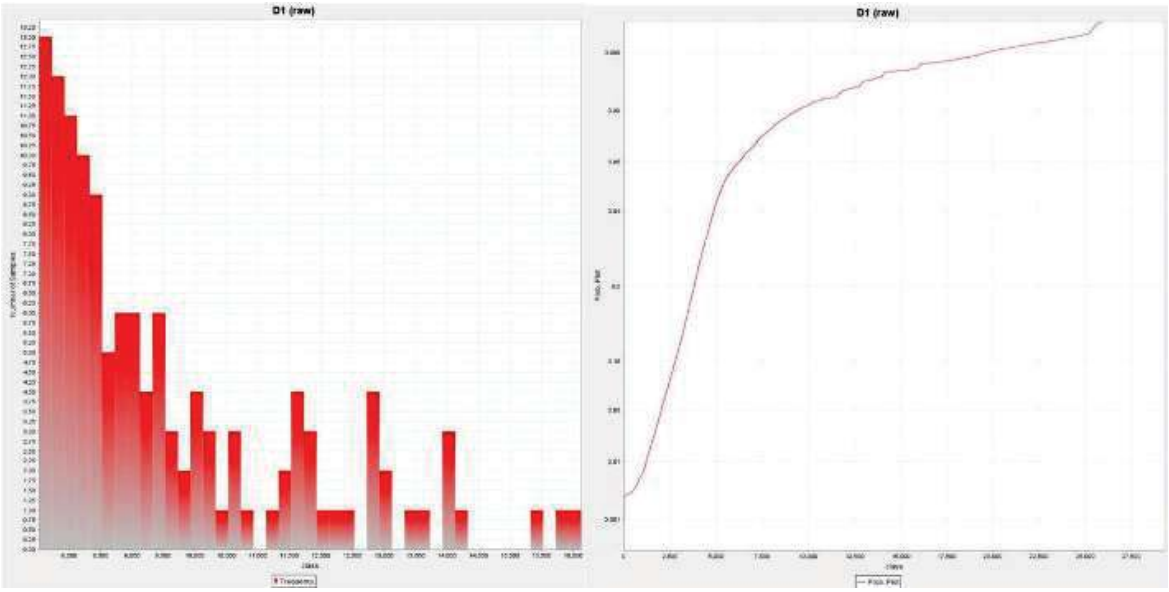
Niobium



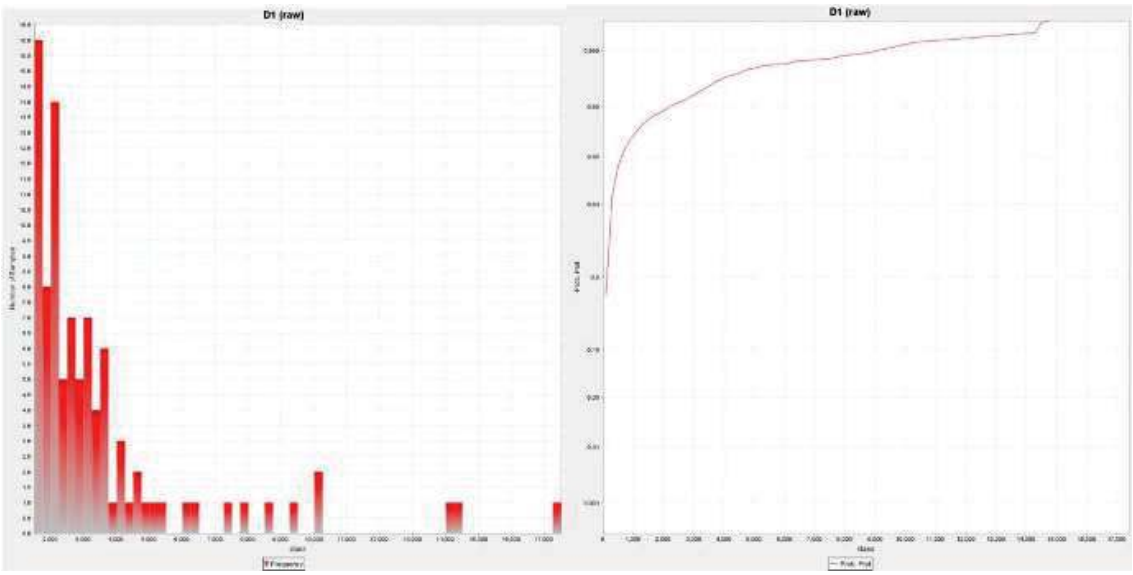
Arsenic



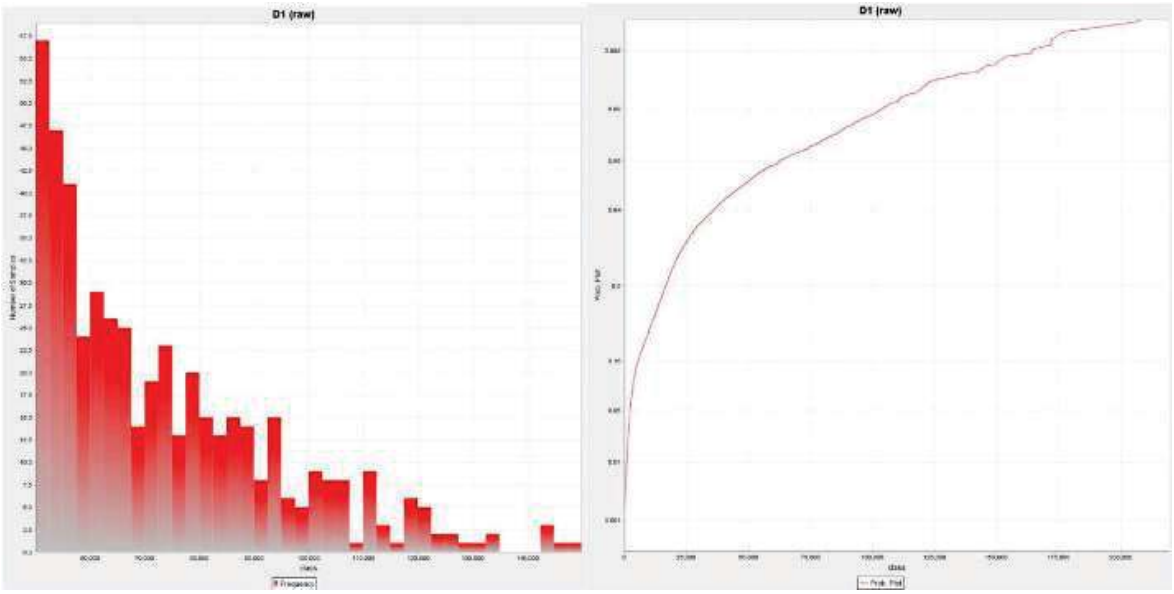
Titanium



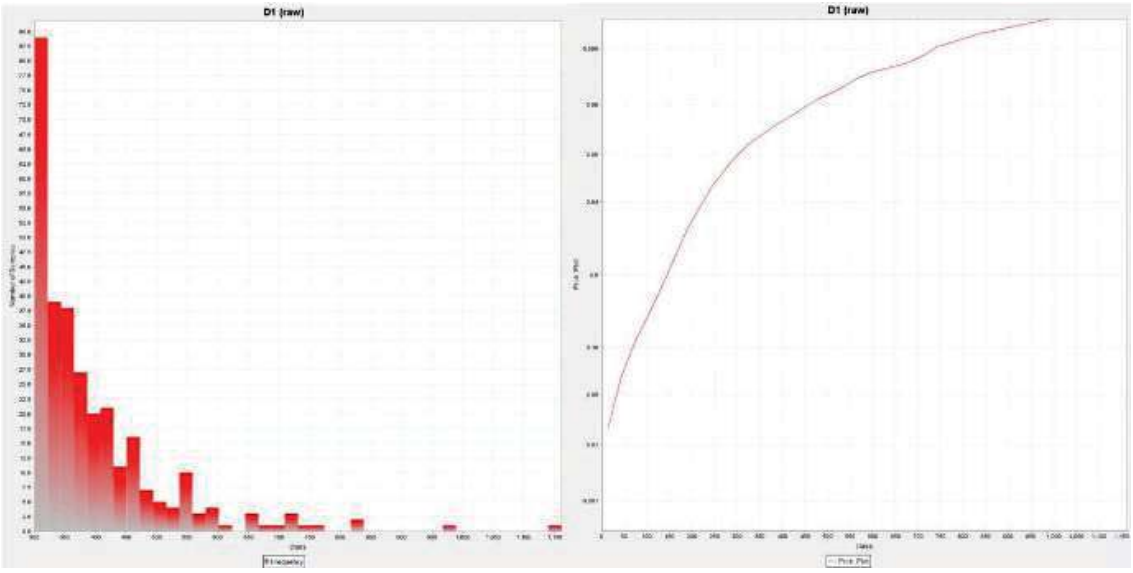
Sulphur



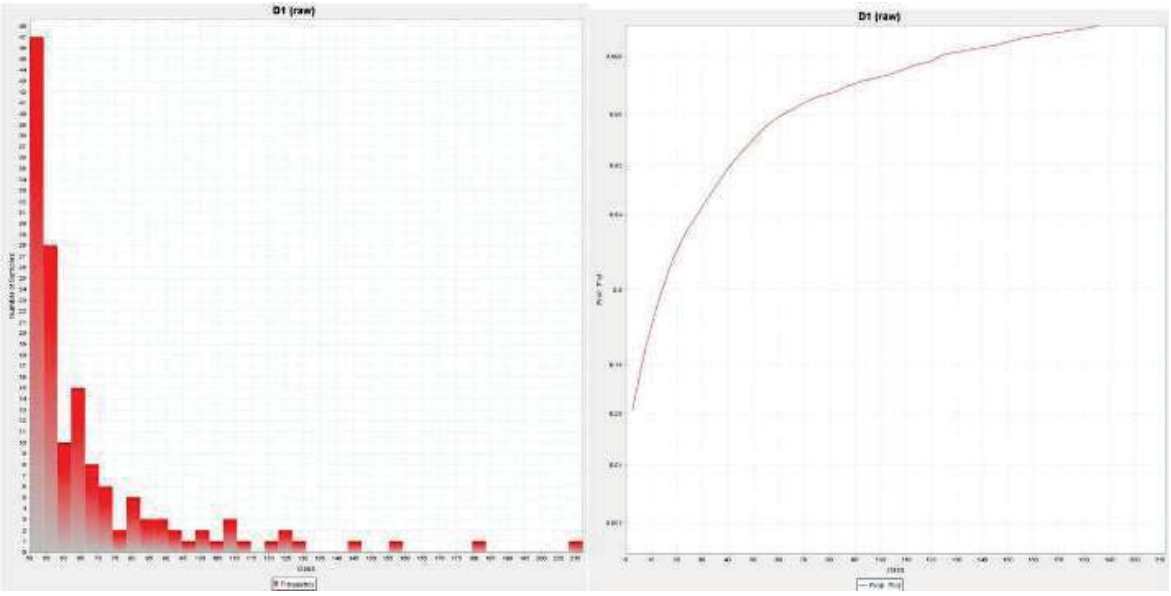
Calcium



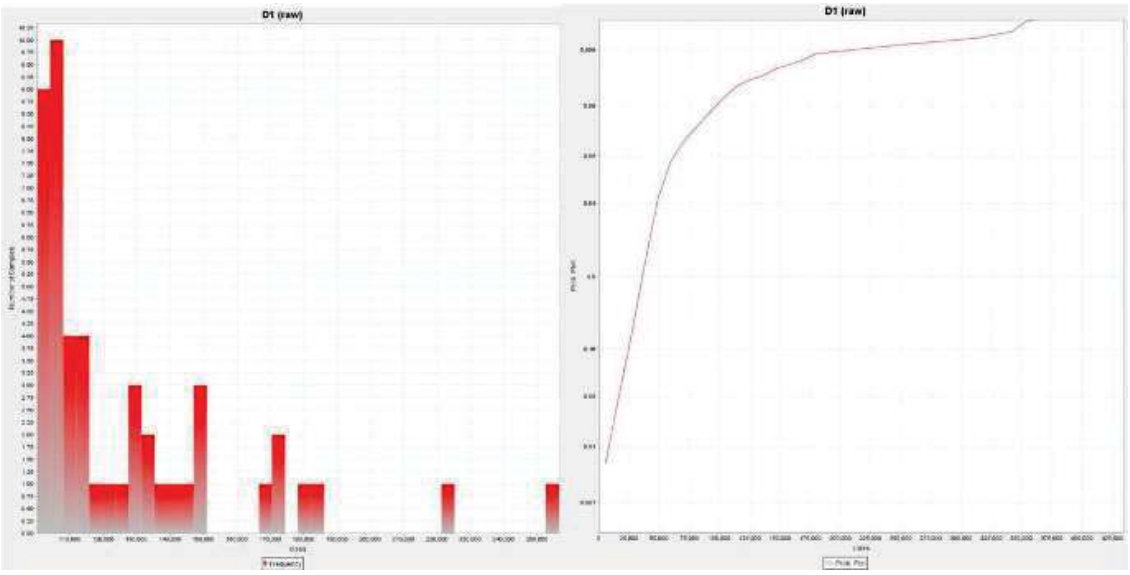
Strontium



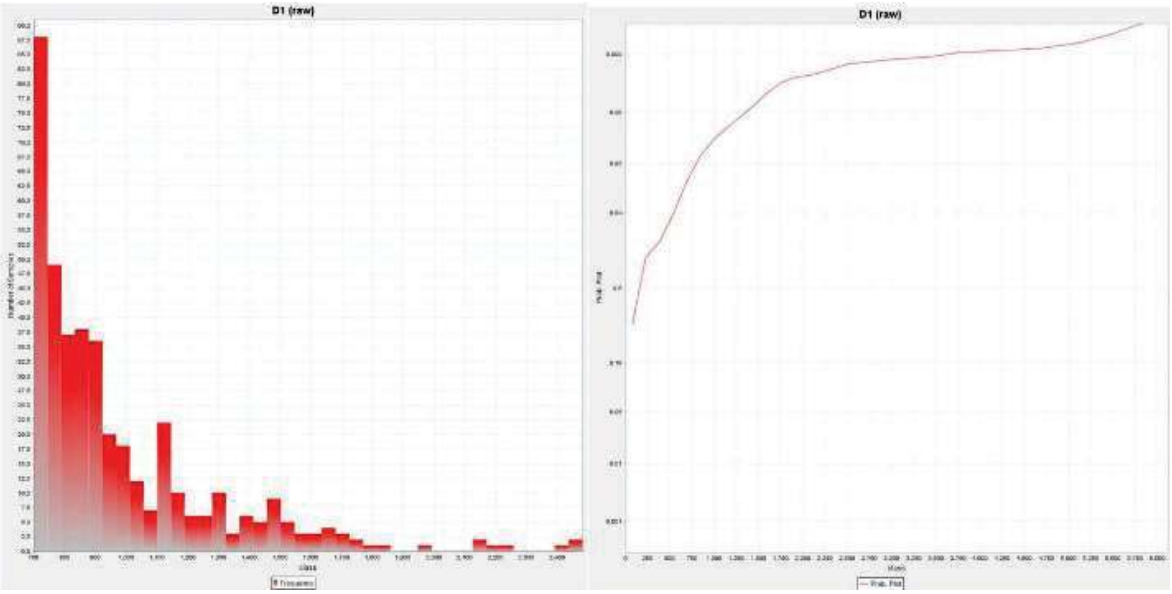
Lead



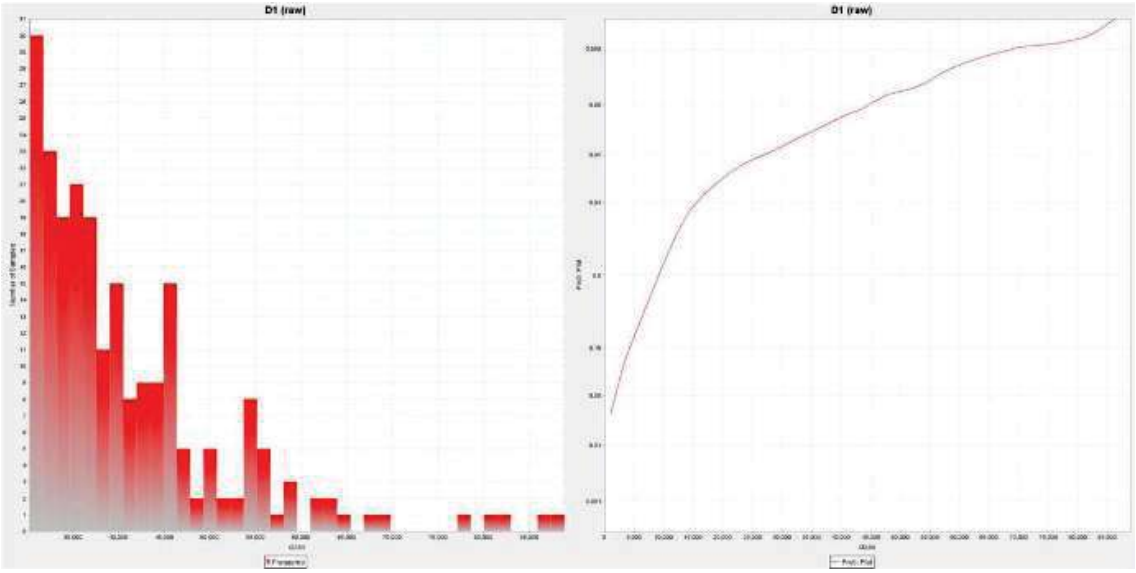
Iron



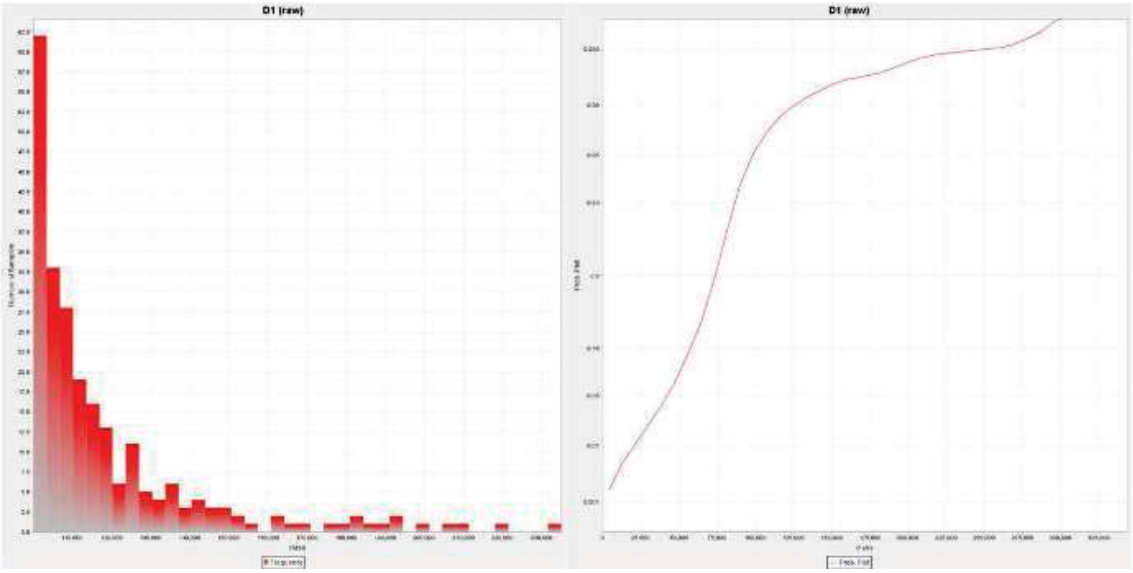
Manganese



Magnesium

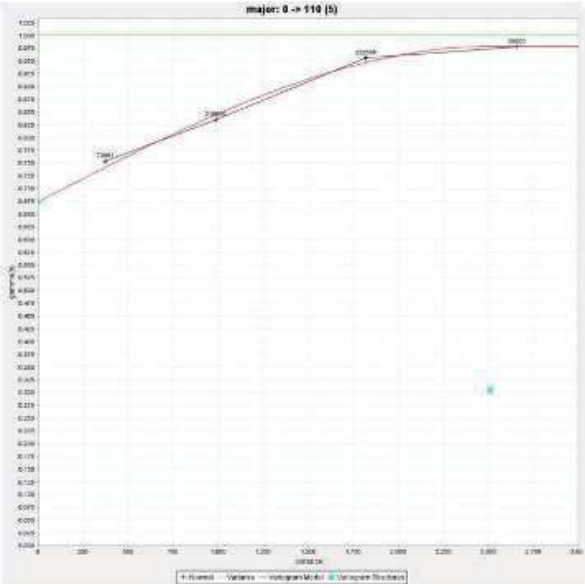


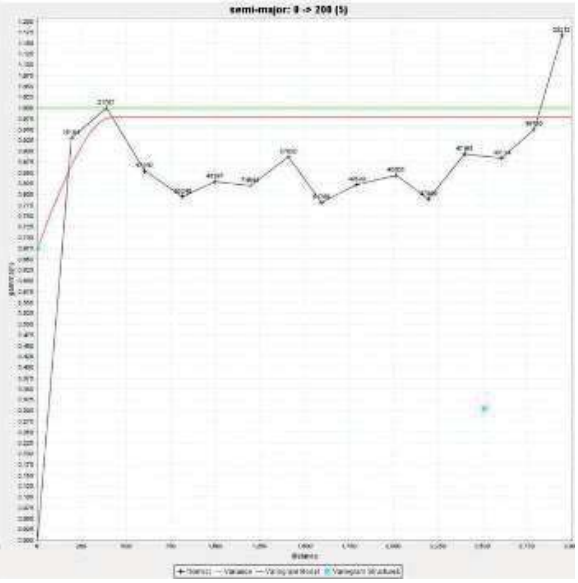
Aluminium



APPENDIX 3: Plots of the major, semi-major and minor variogram models

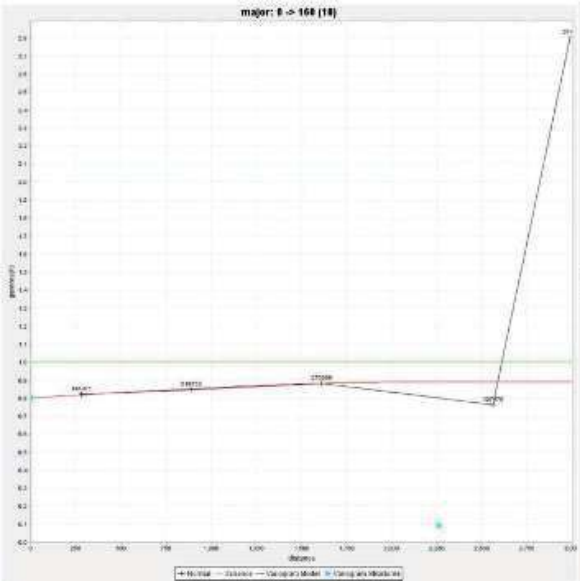
Scandium

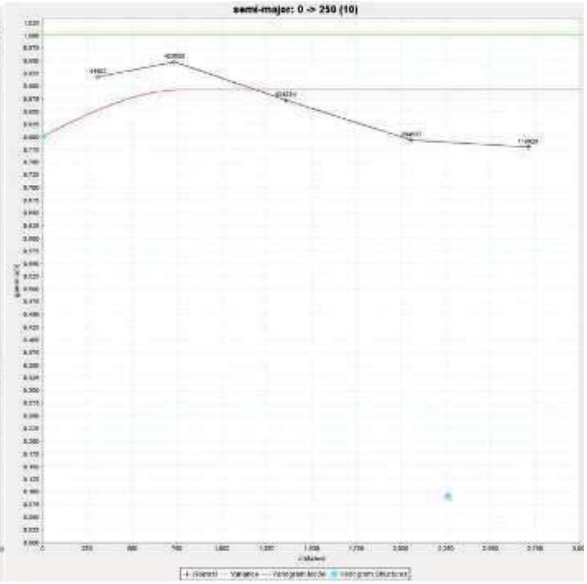




Major Direction Semi-Major Direction

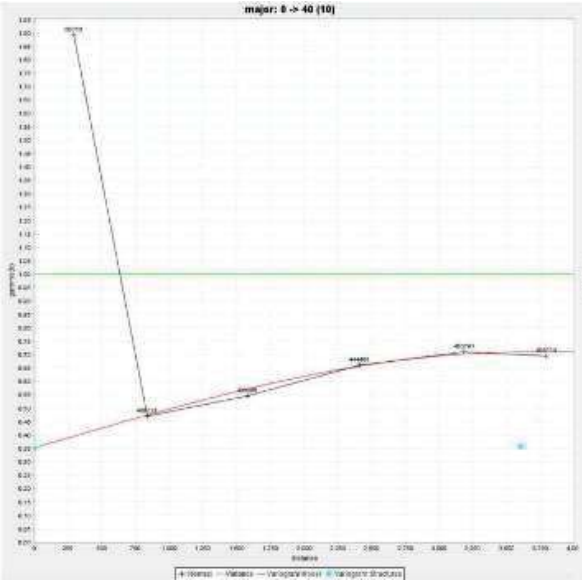
Yttrium

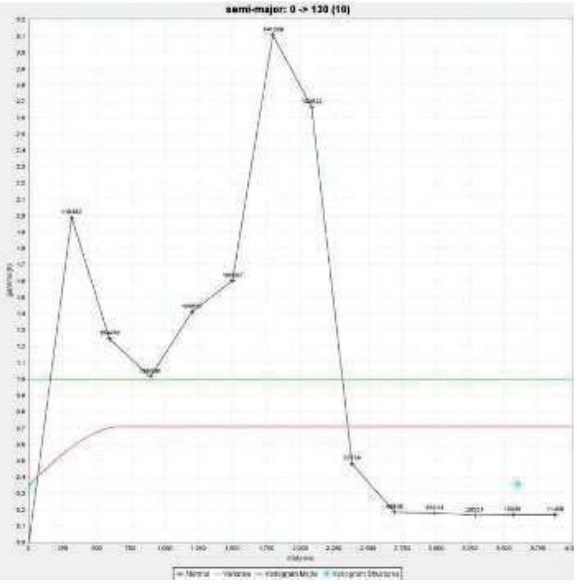




Major Direction Semi-Major Direction

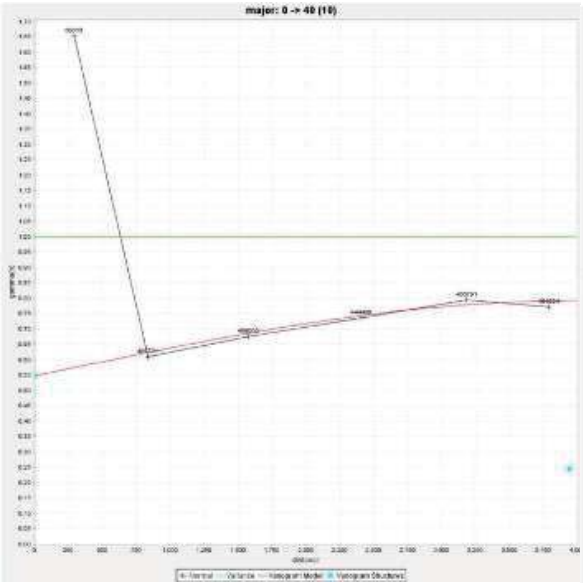
Lanthanum

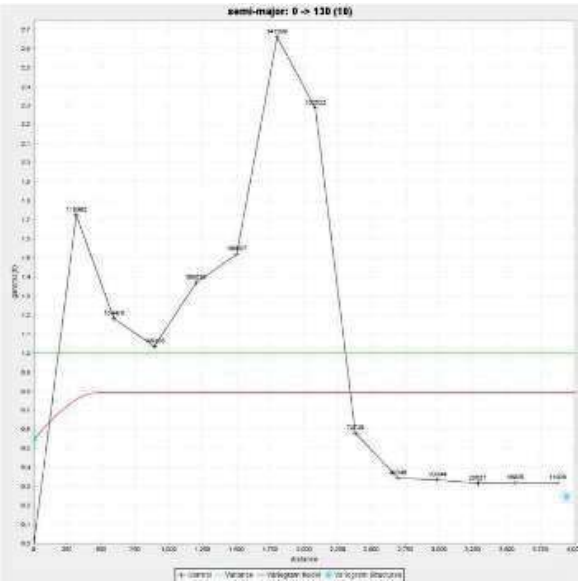




Major Direction Semi-Major Direction

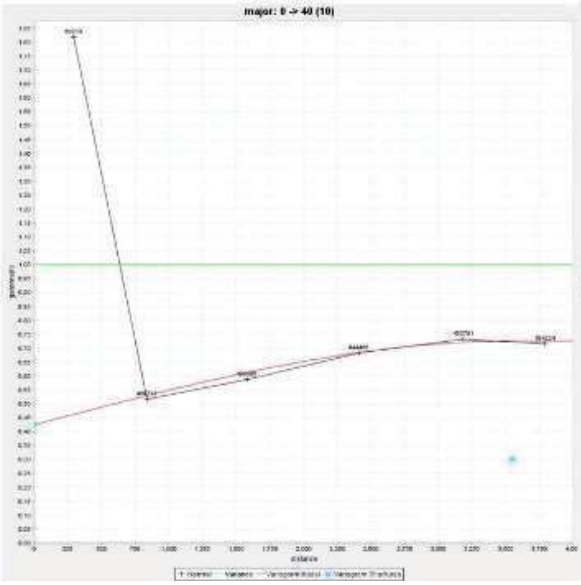
Cerium



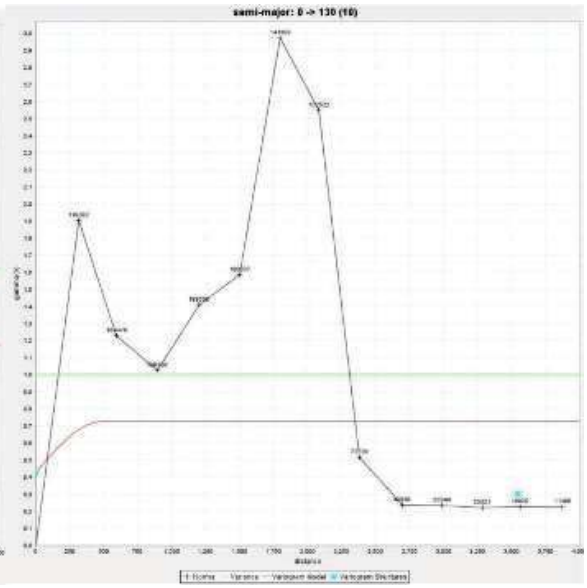


Major Direction Semi-Major Direction

Praseodymium

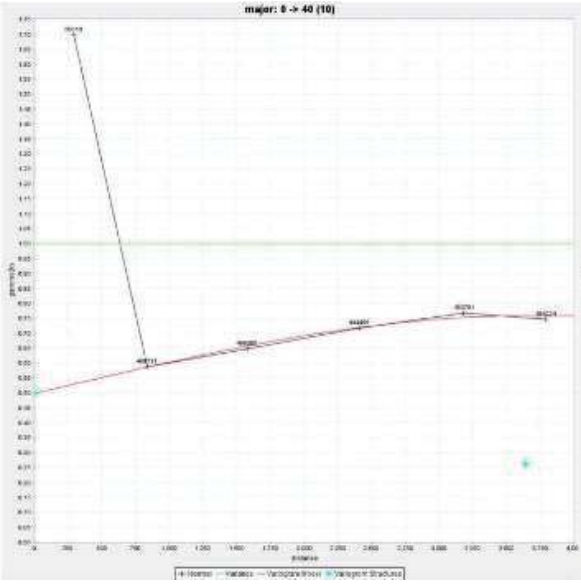


Major Direction

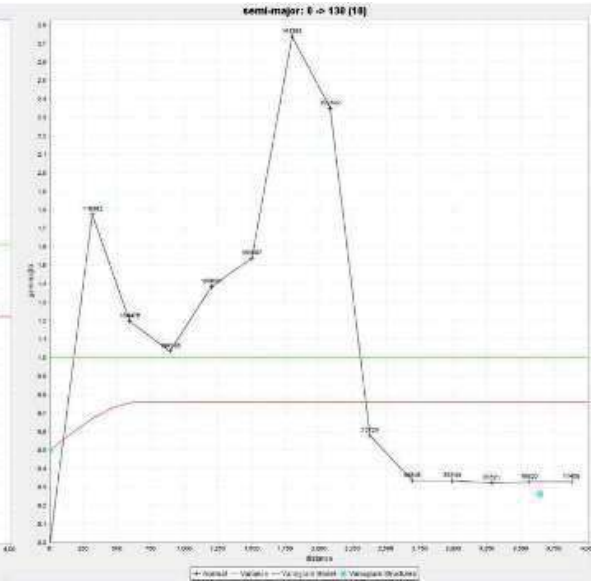


Semi-Major Direction

Neodymium

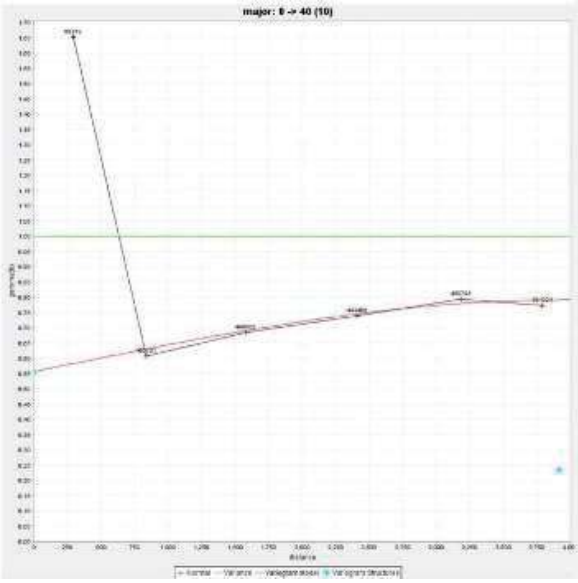


Major Direction

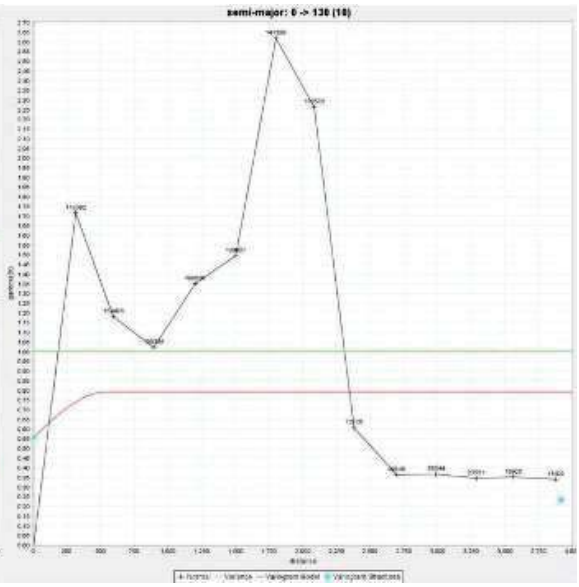


Semi-Major Direction

Samarium

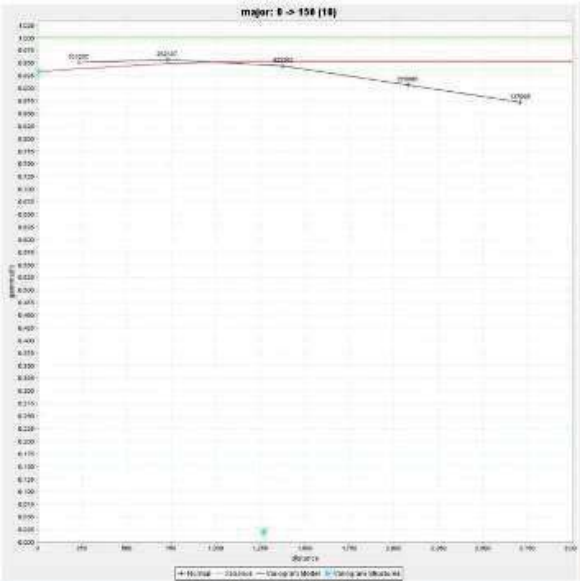


Major Direction

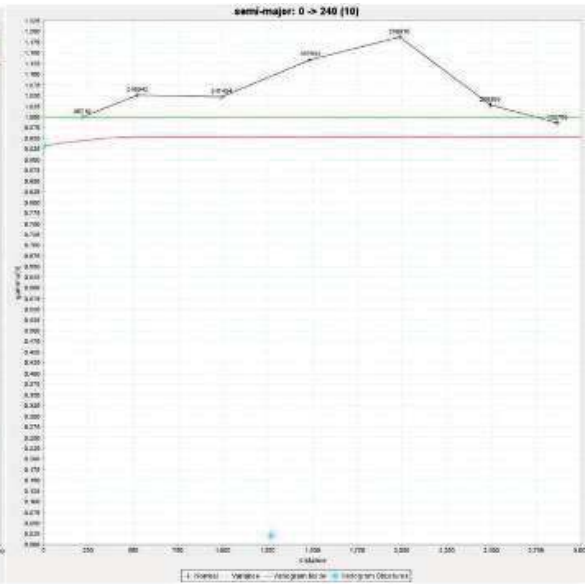


Semi-Major Direction

Europium

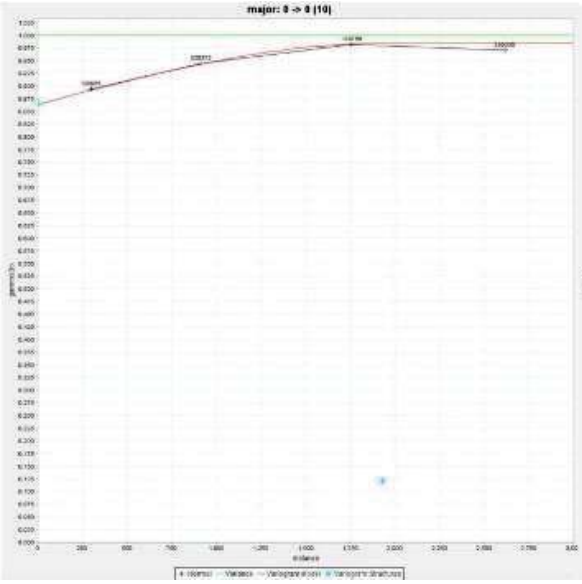


Major Direction

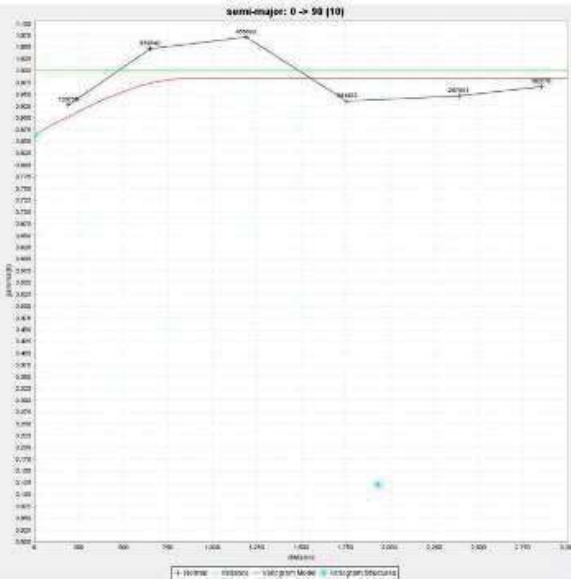


Semi-Major Direction

Gadolinium

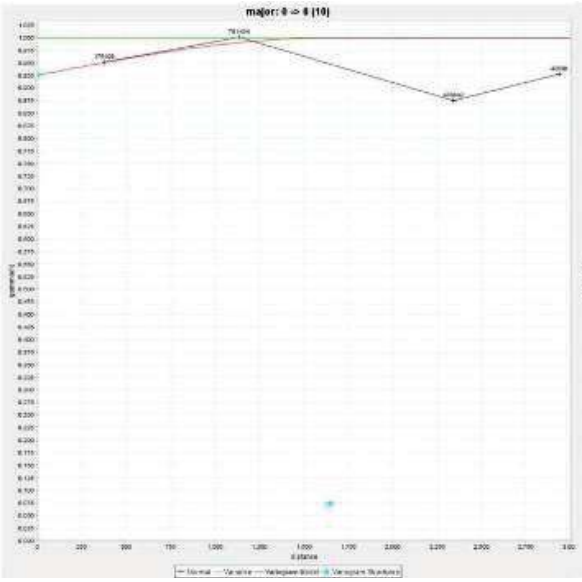


Major Direction

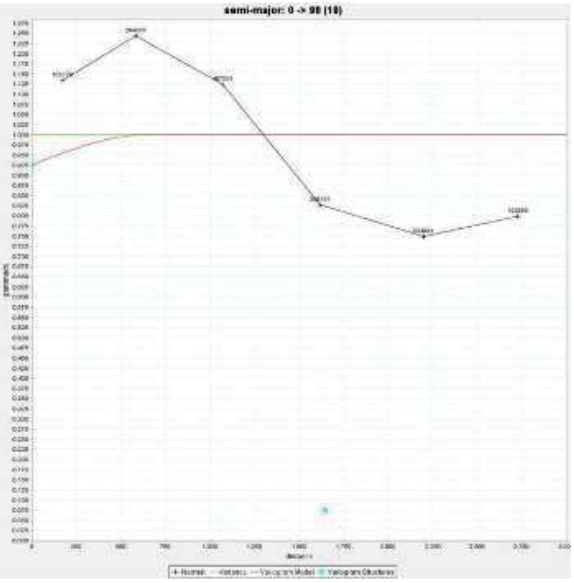


Semi-Major Direction

Terbium

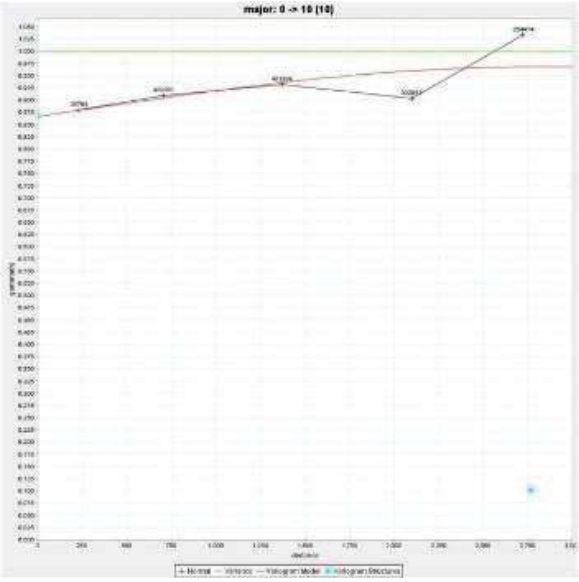


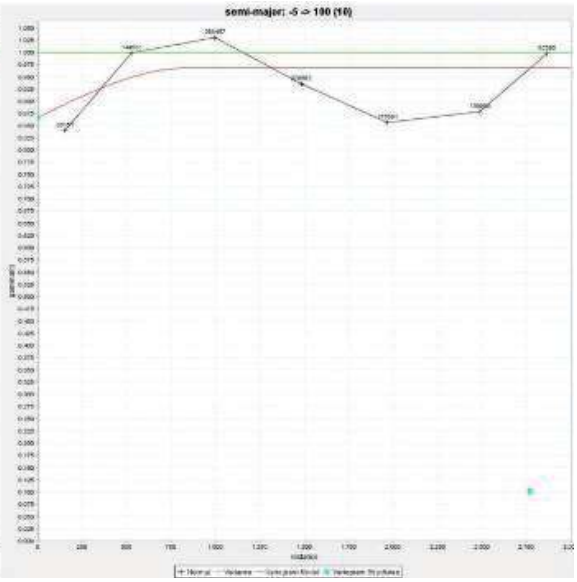
Major Direction



Semi-Major Direction

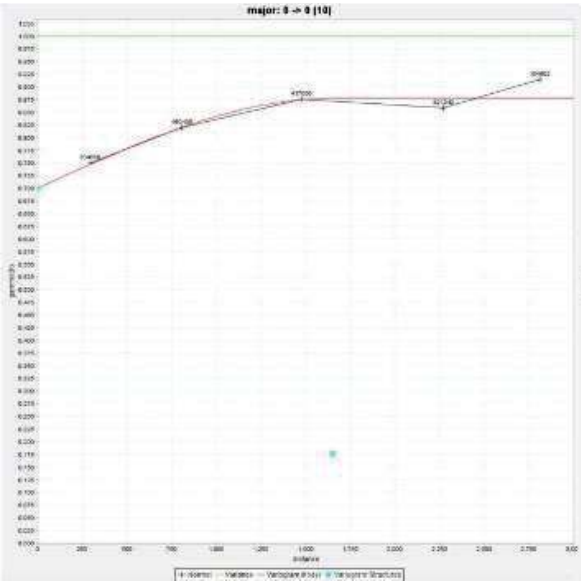
Dysprosium

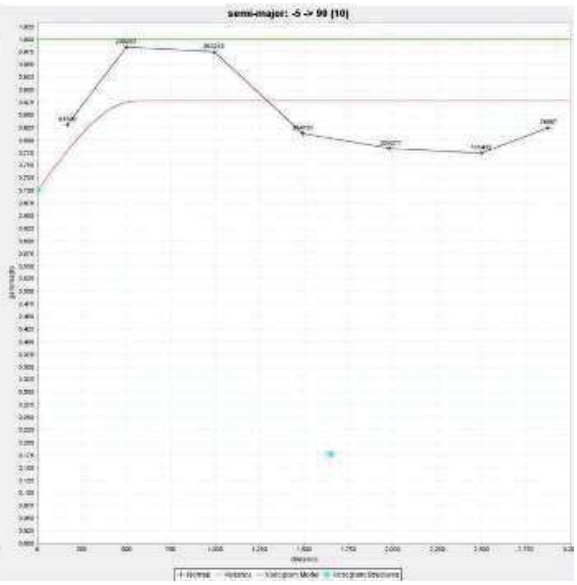




Major Direction Semi-Major Direction

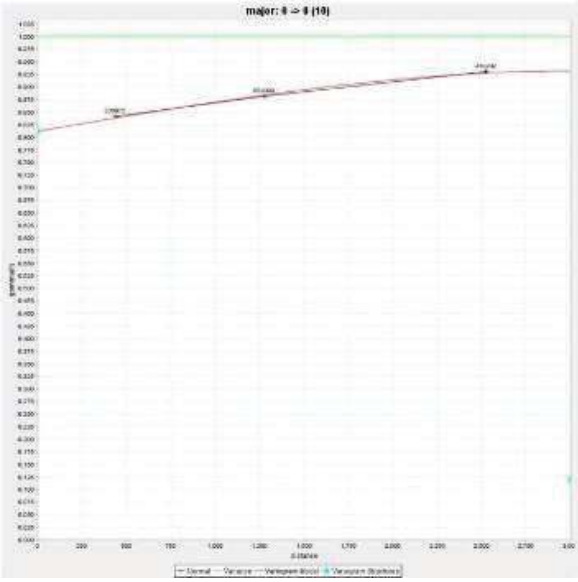
Holmium



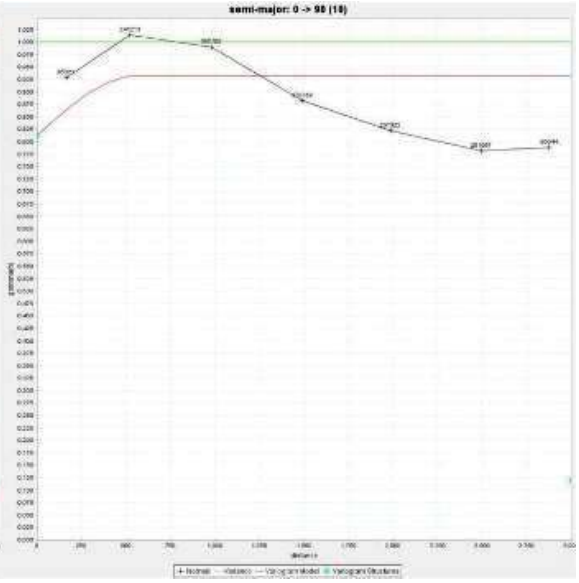


Major Direction Semi-Major Direction

Erbium

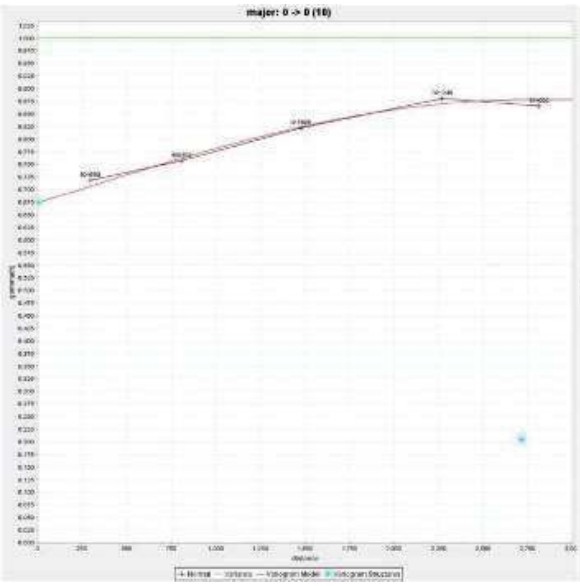


Major Direction

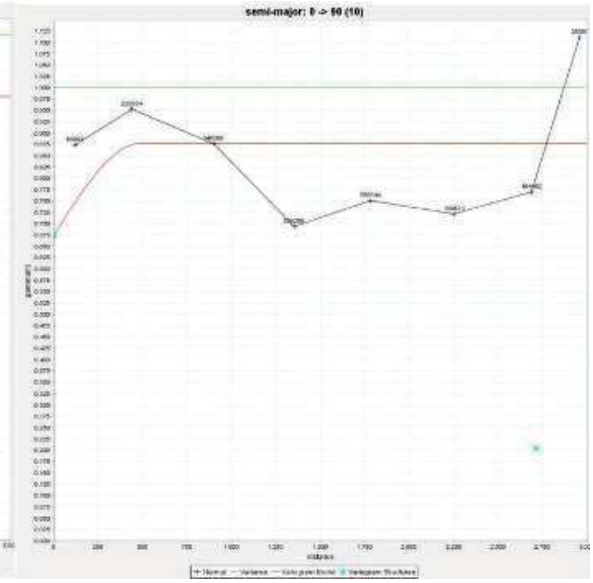


Semi-Major Direction

Thulium

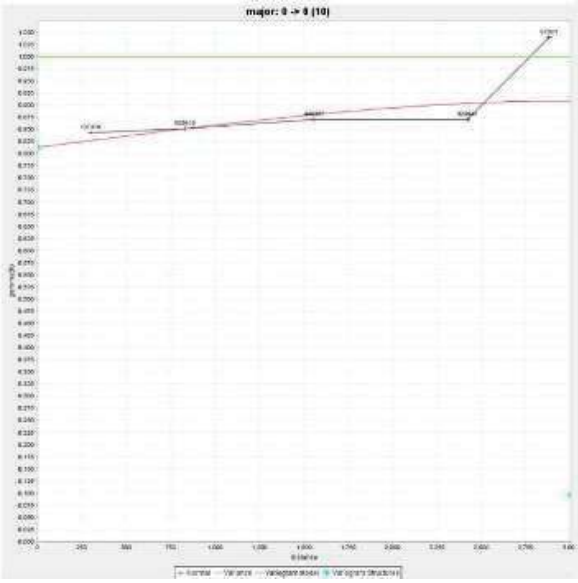


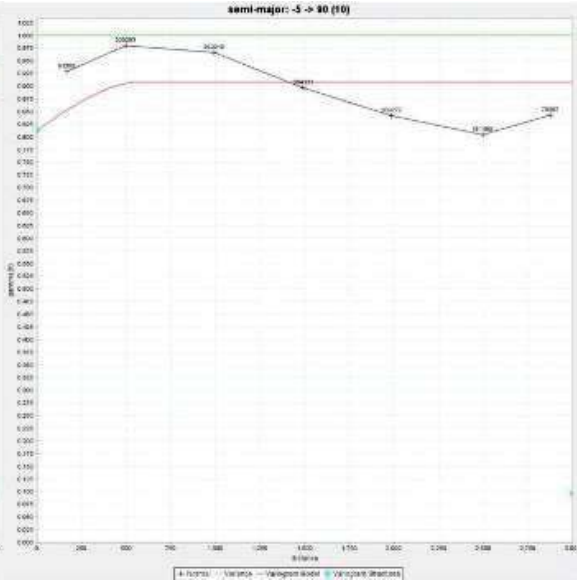
Major Direction



Semi-Major Direction

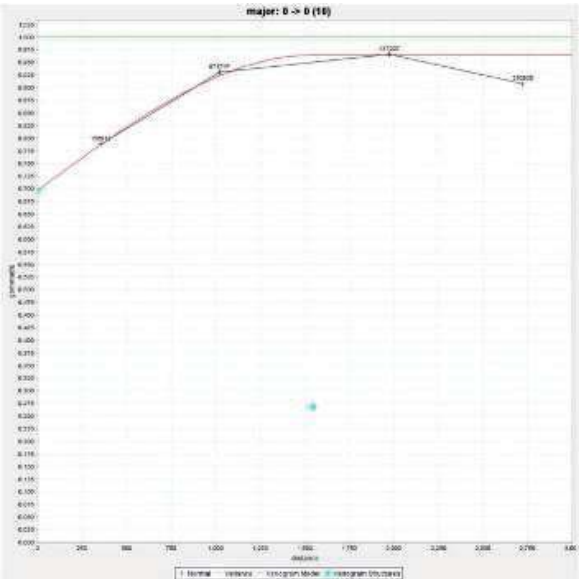
Ytterbium

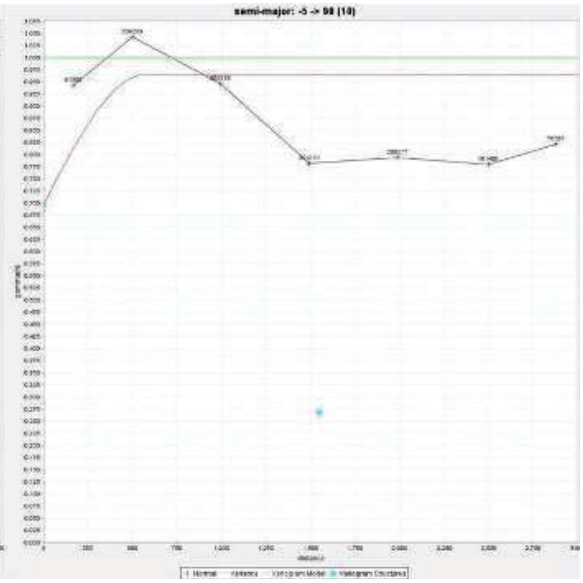




Major Direction Semi-Major Direction

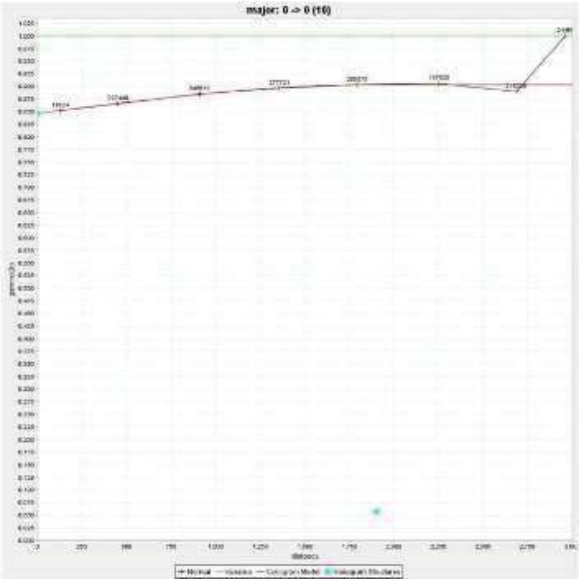
Lutetium

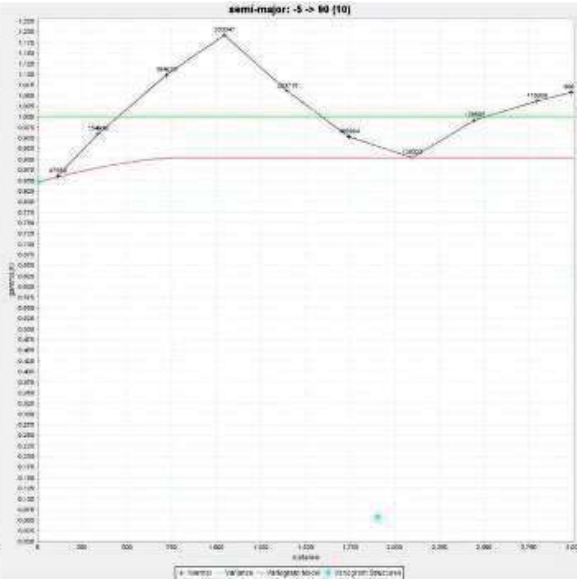




Major Direction Semi-Major Direction

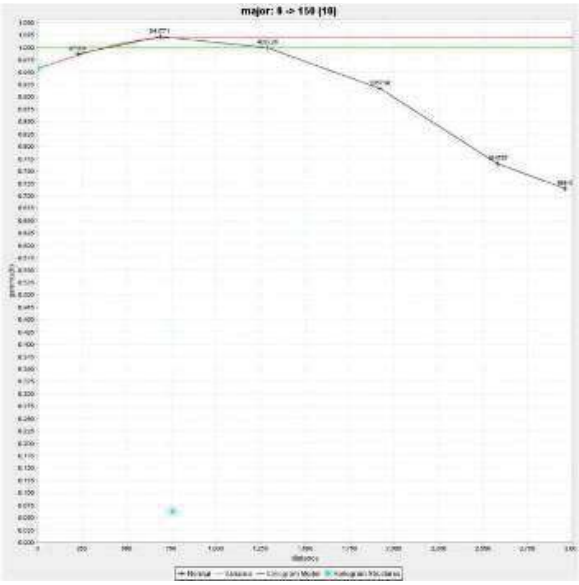
Thorium

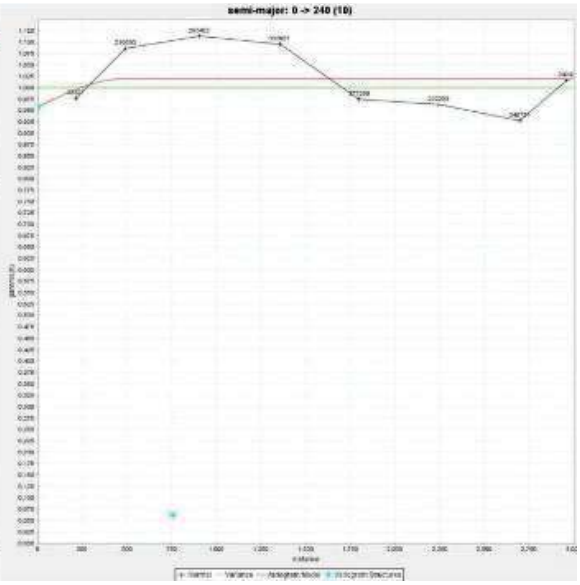




Major Direction Semi-Major Direction

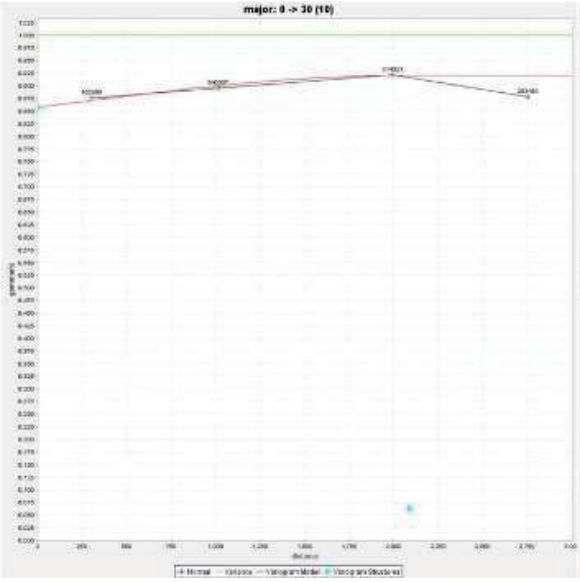
Uranium

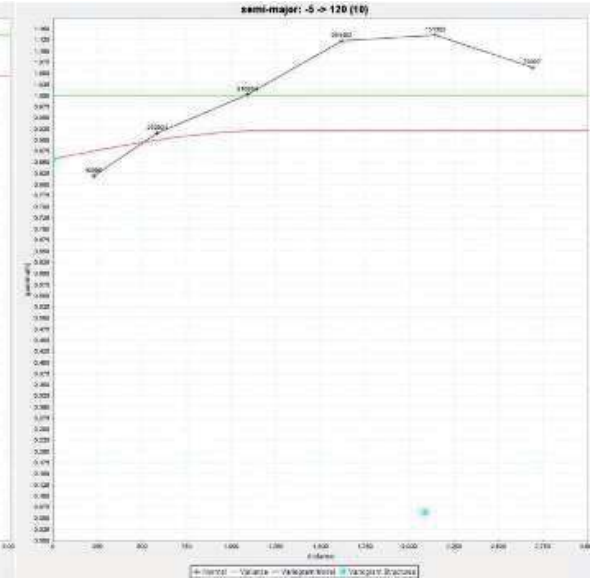




Major Direction Semi-Major Direction

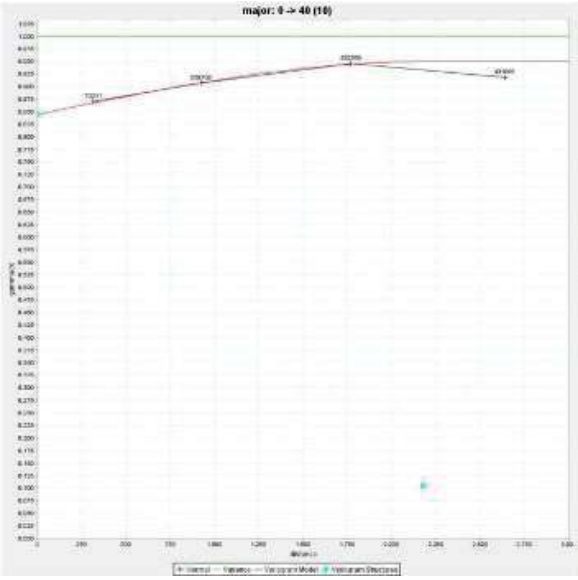
Zircon

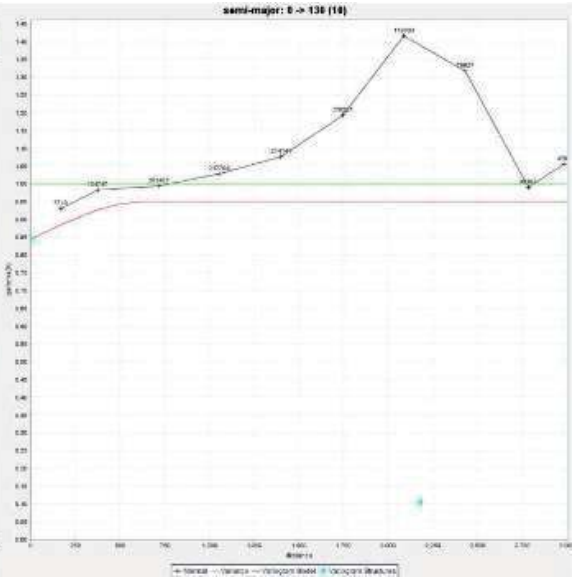




Major Direction Semi-Major Direction

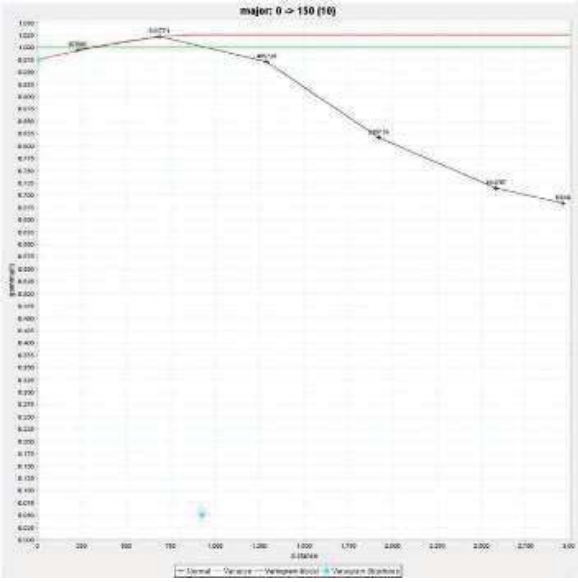
Hafnium



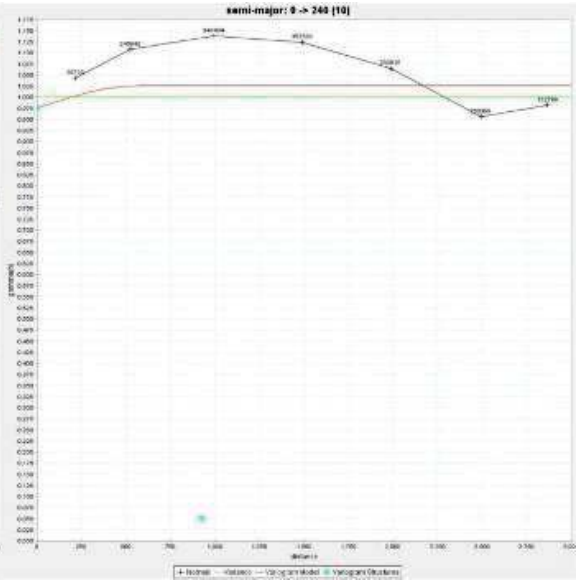


Major Direction Semi-Major Direction

Niobium

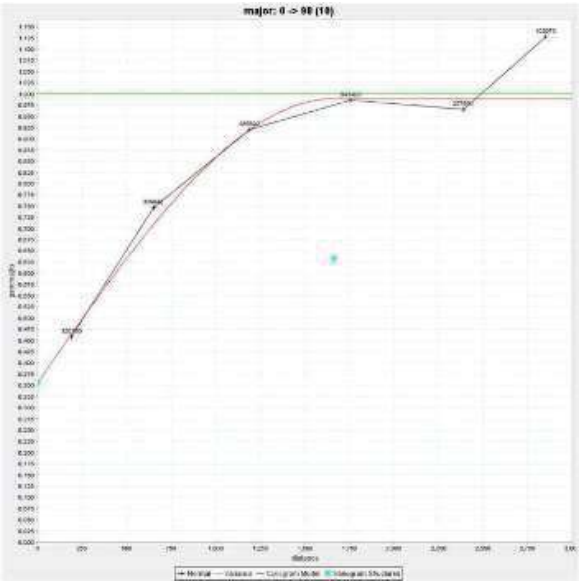


Major Direction

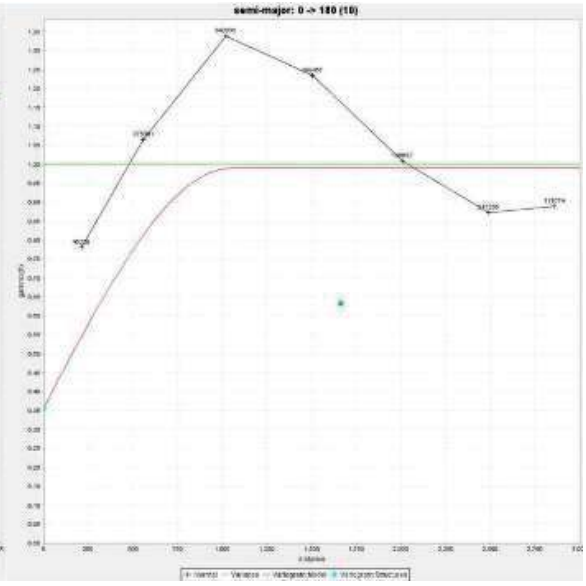


Semi-Major Direction

Arsenic

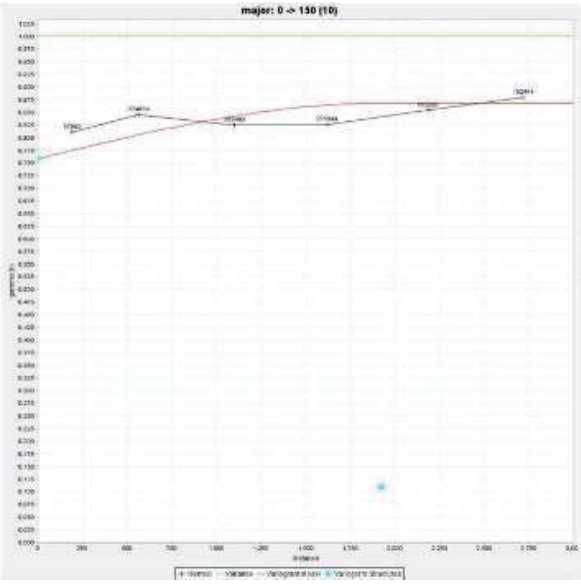


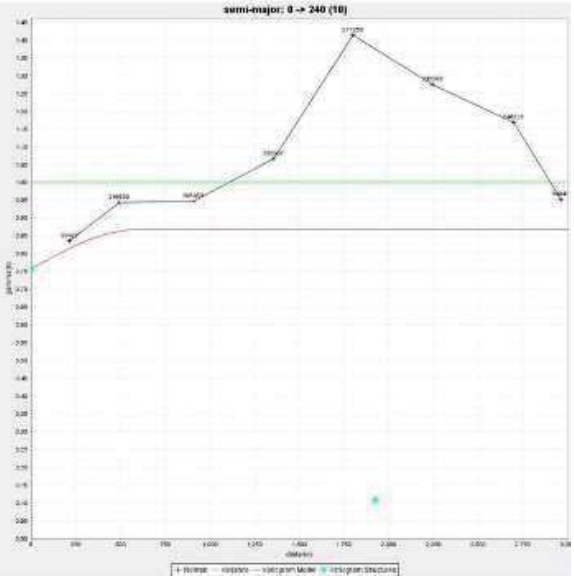
Major Direction



Semi-Major Direction

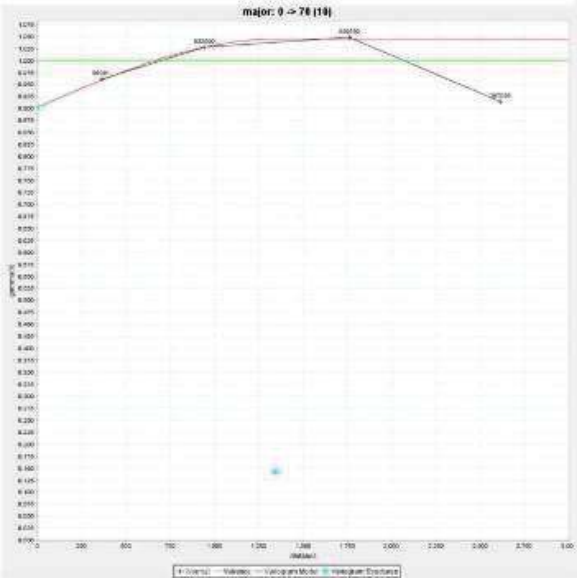
Titanium

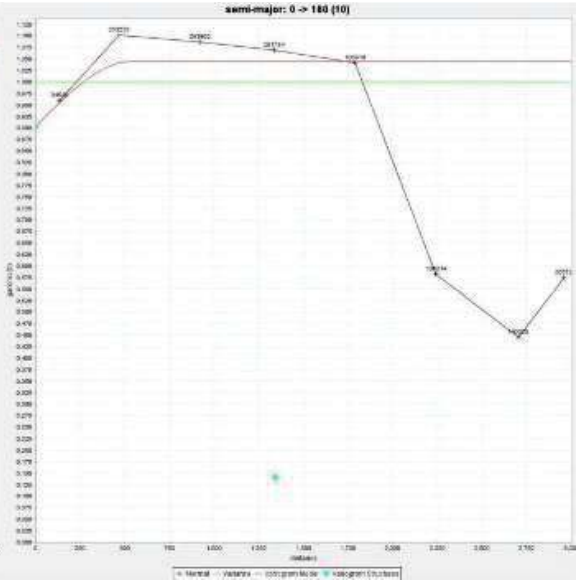




Major Direction Semi-Major Direction

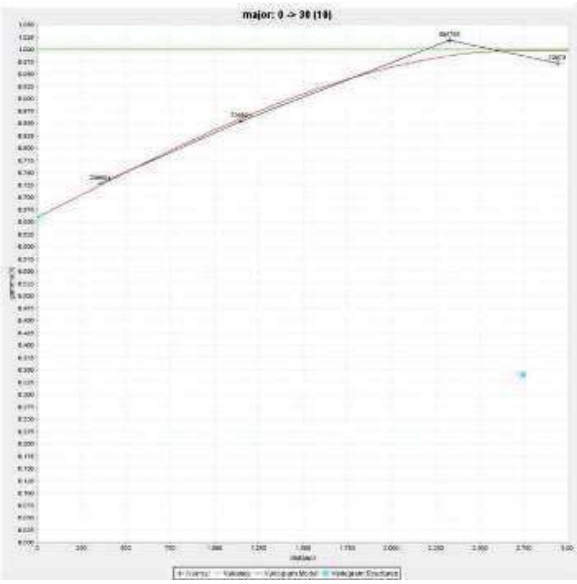
Sulphur



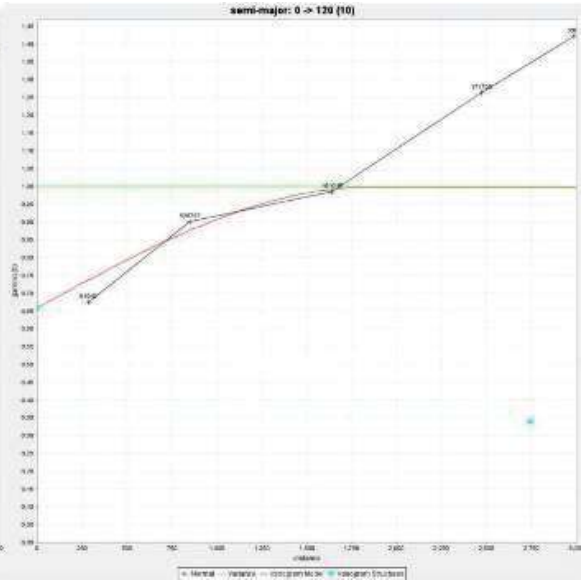


Major Direction Semi-Major Direction

Calcium

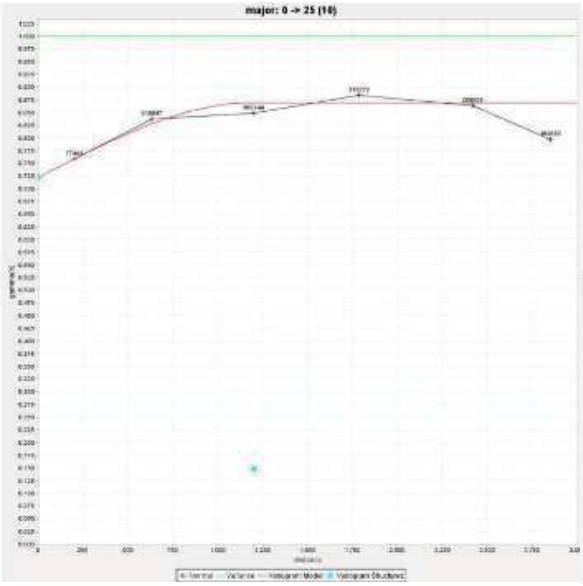


Major Direction

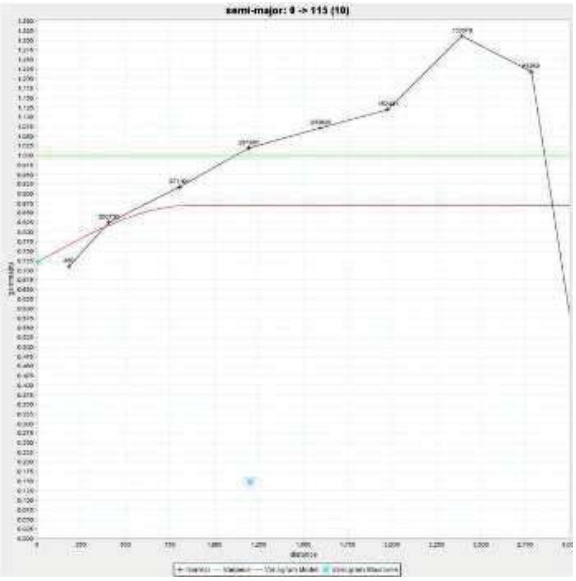


Semi-Major Direction

Strontium

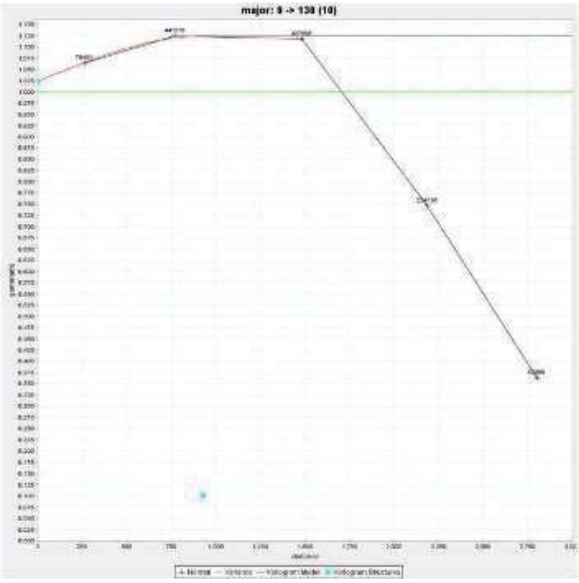


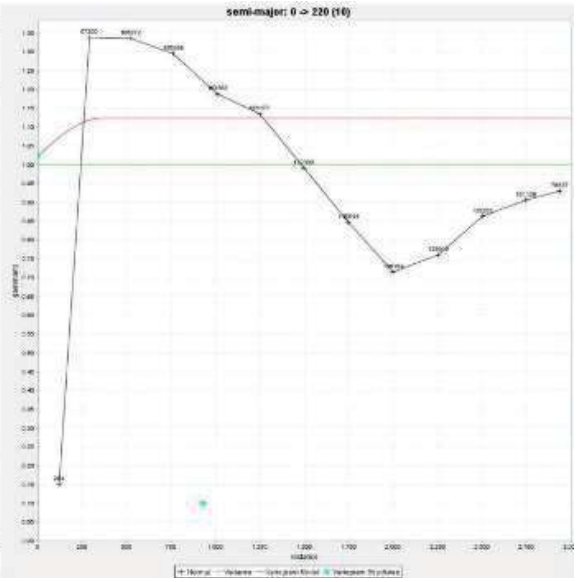
Major Direction



Semi-Major Direction

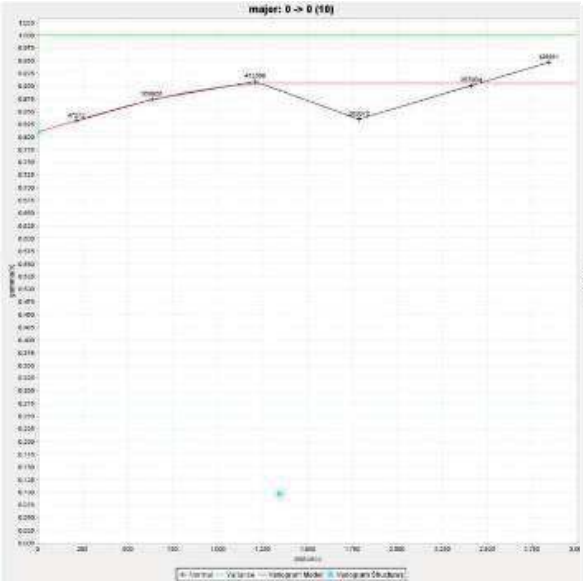
Lead

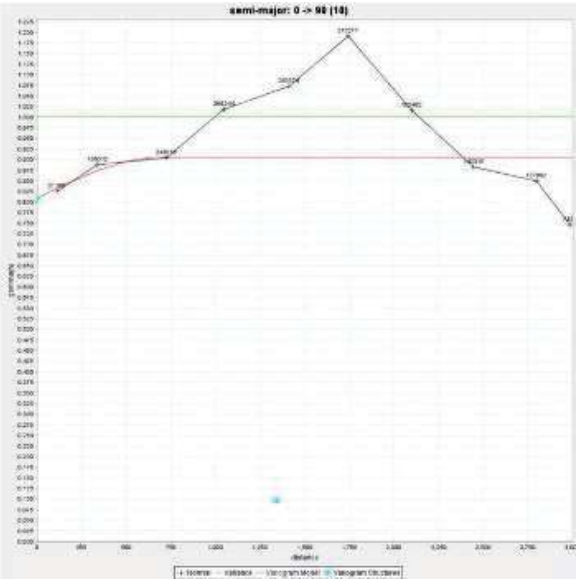




Major Direction Semi-Major Direction

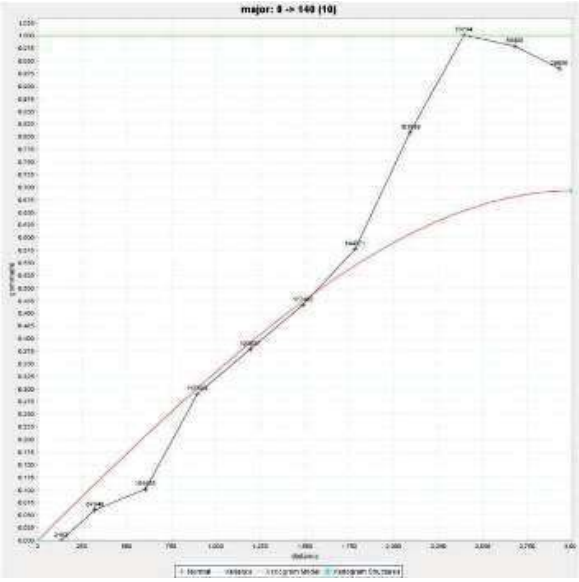
Iron



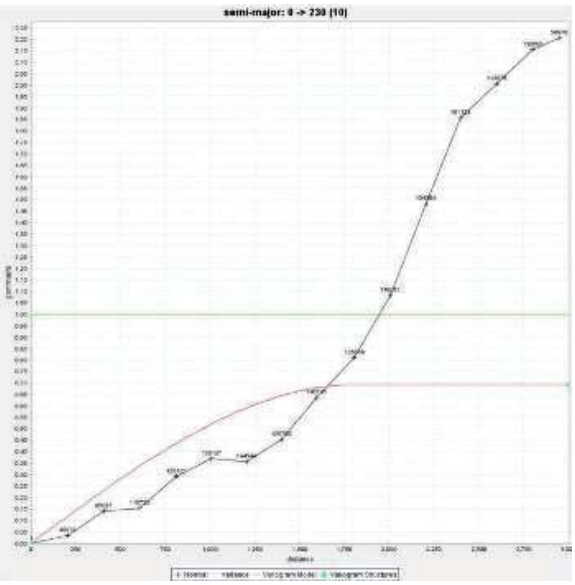


Major Direction Semi-Major Direction

Manganese

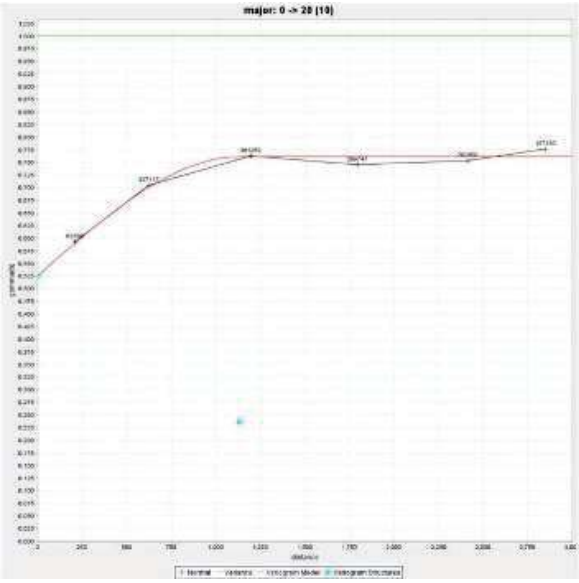


Major Direction

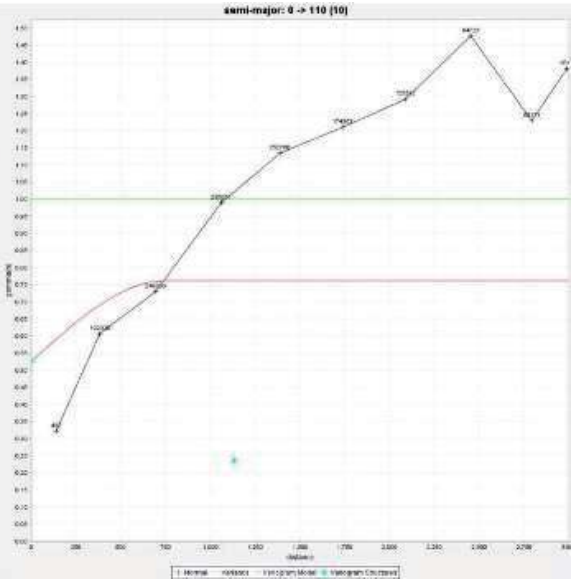


Semi-Major Direction

Magnesium

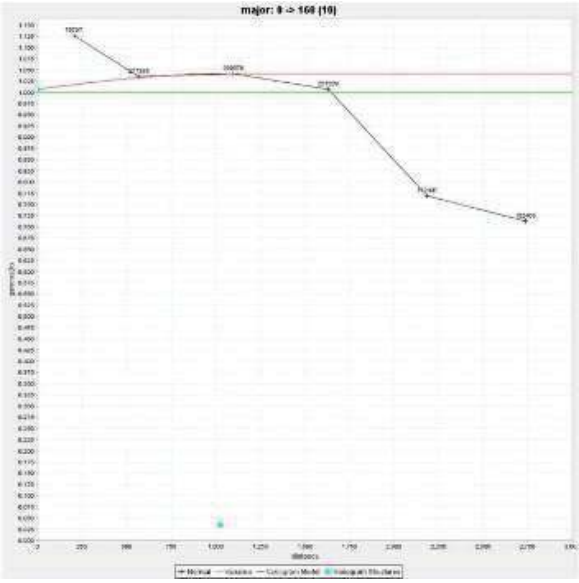


Major Direction

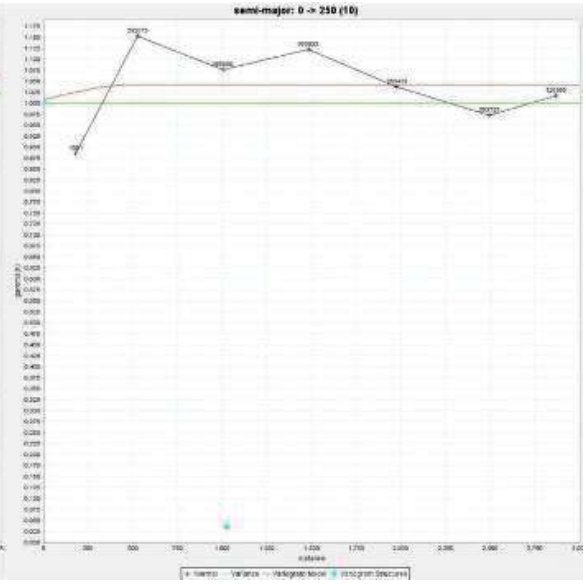


Semi-Major Direction

Aluminium

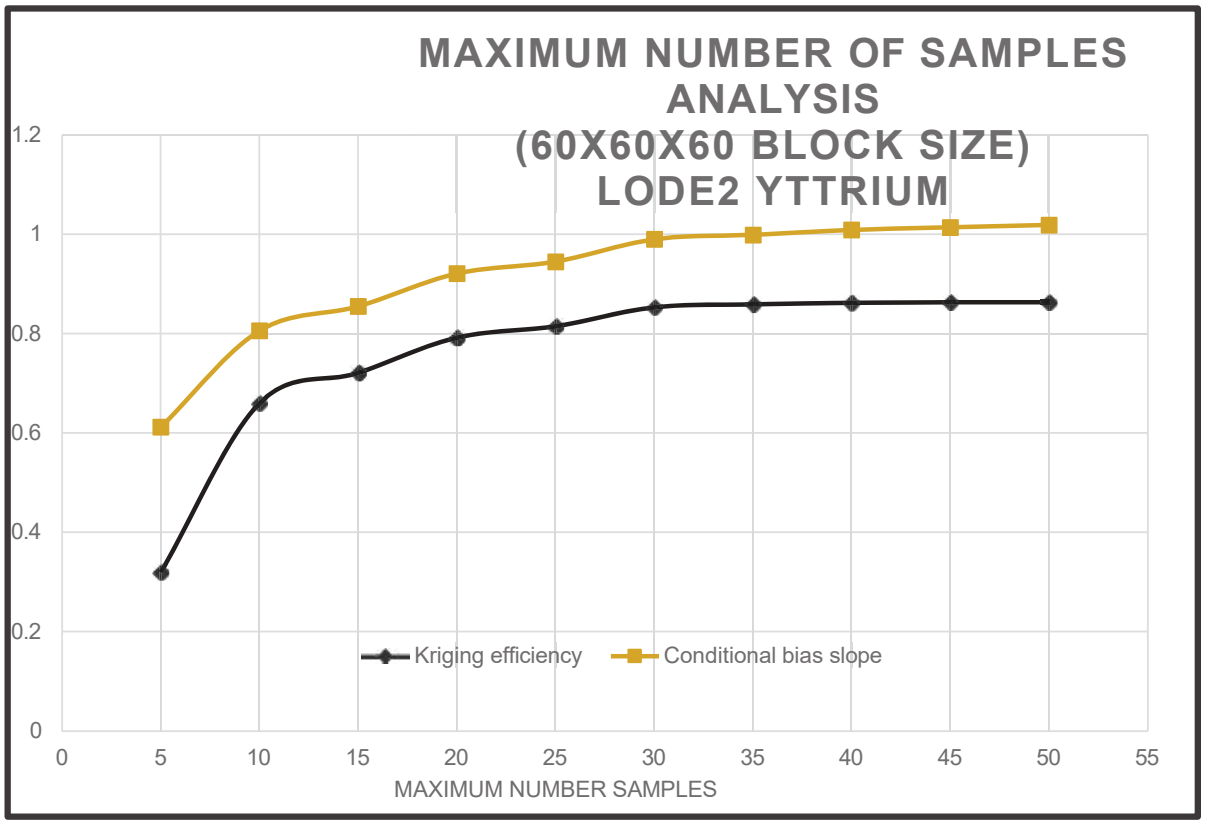


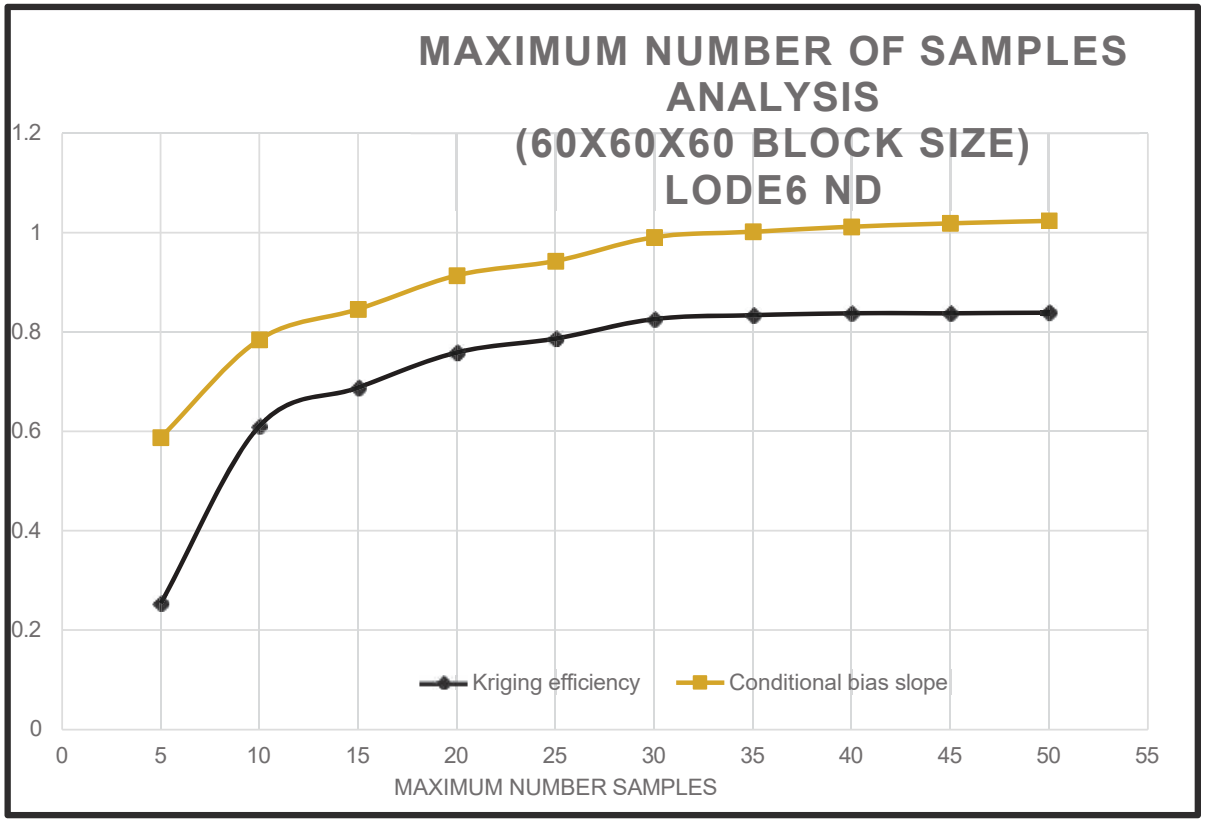
Major Direction

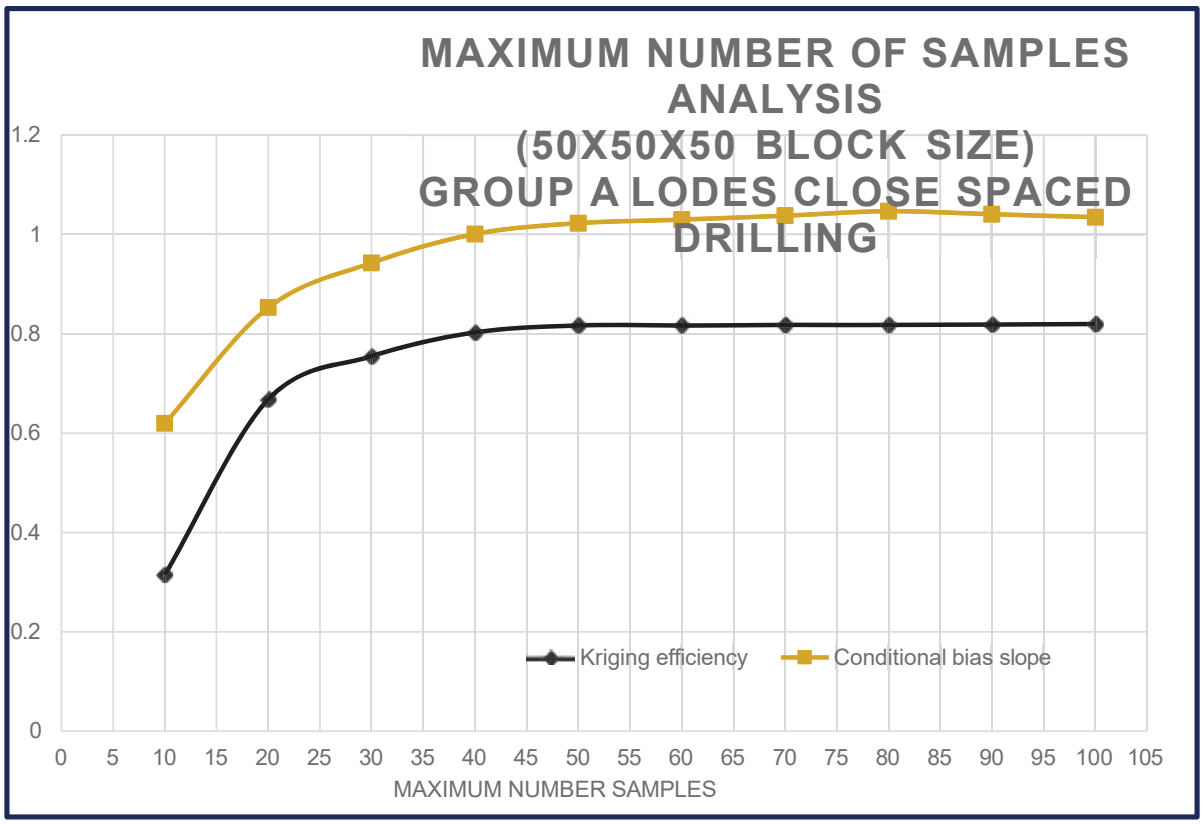


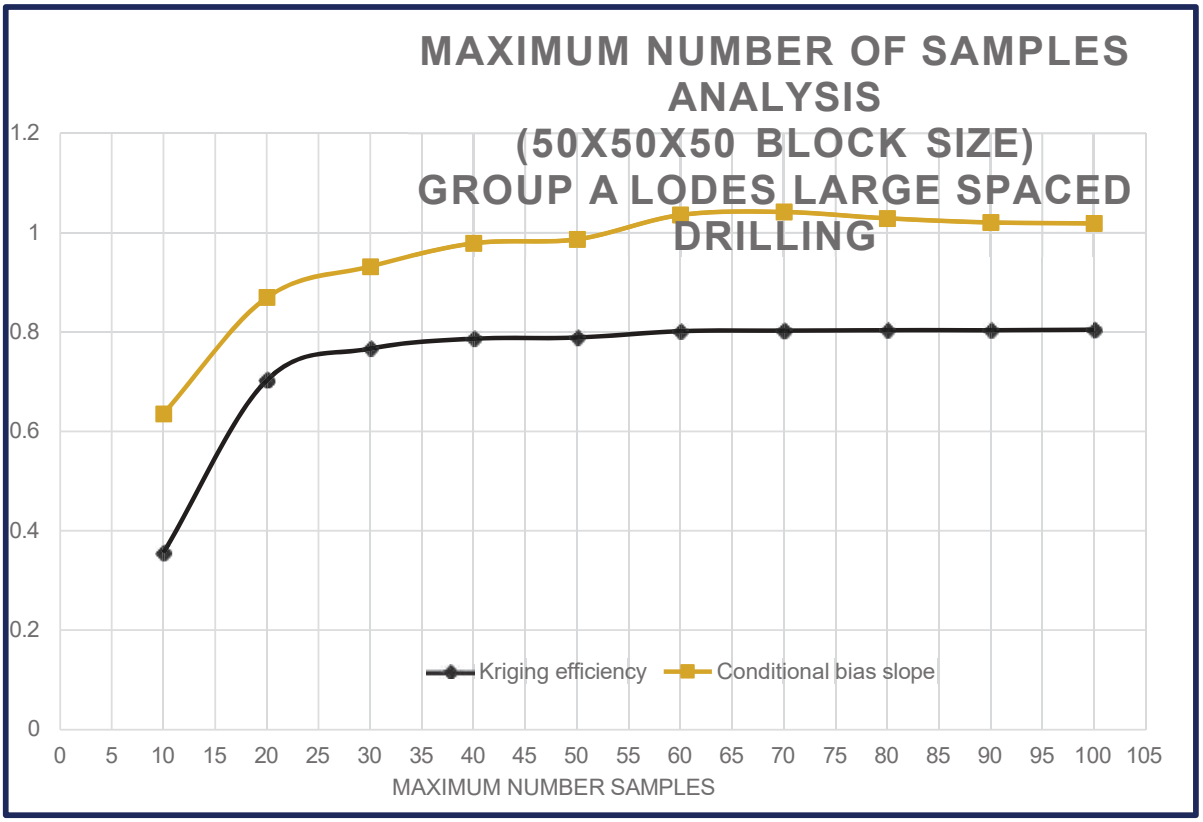
Semi-Major Direction

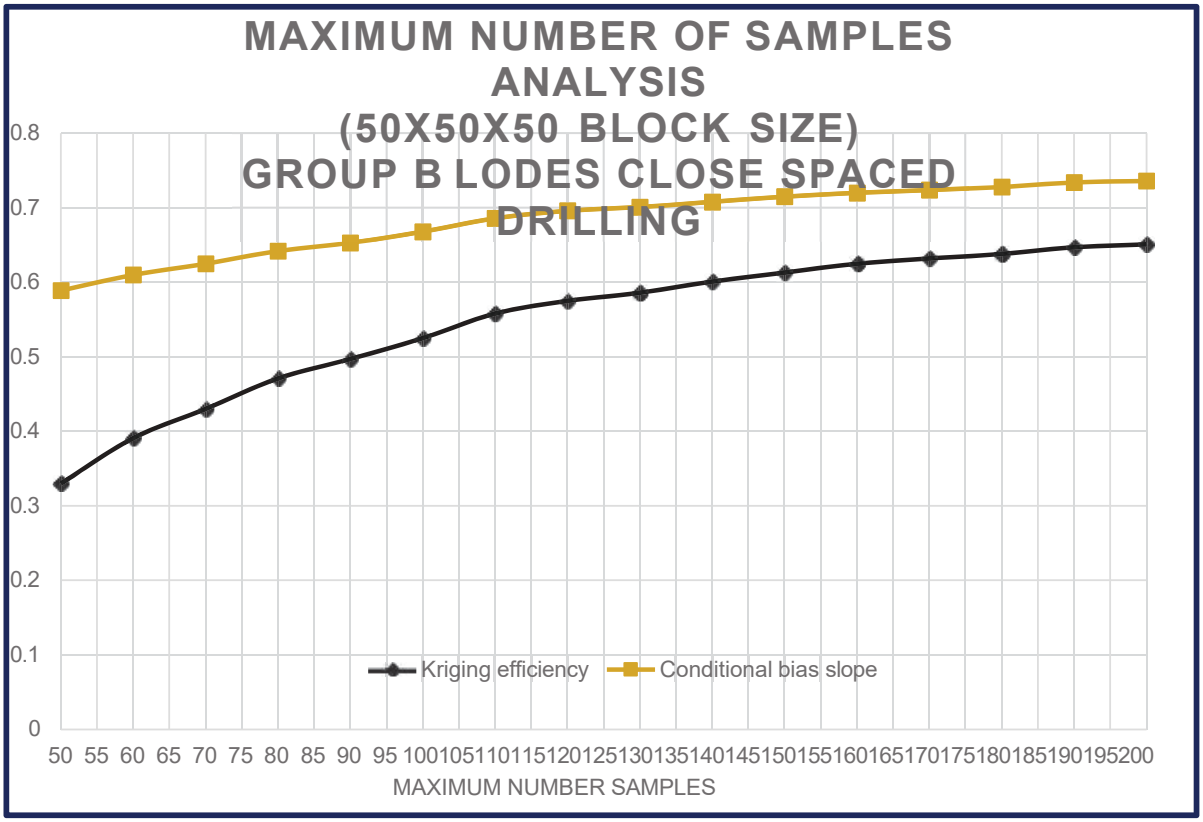
APPENDIX 4: Block Optimisation Study results

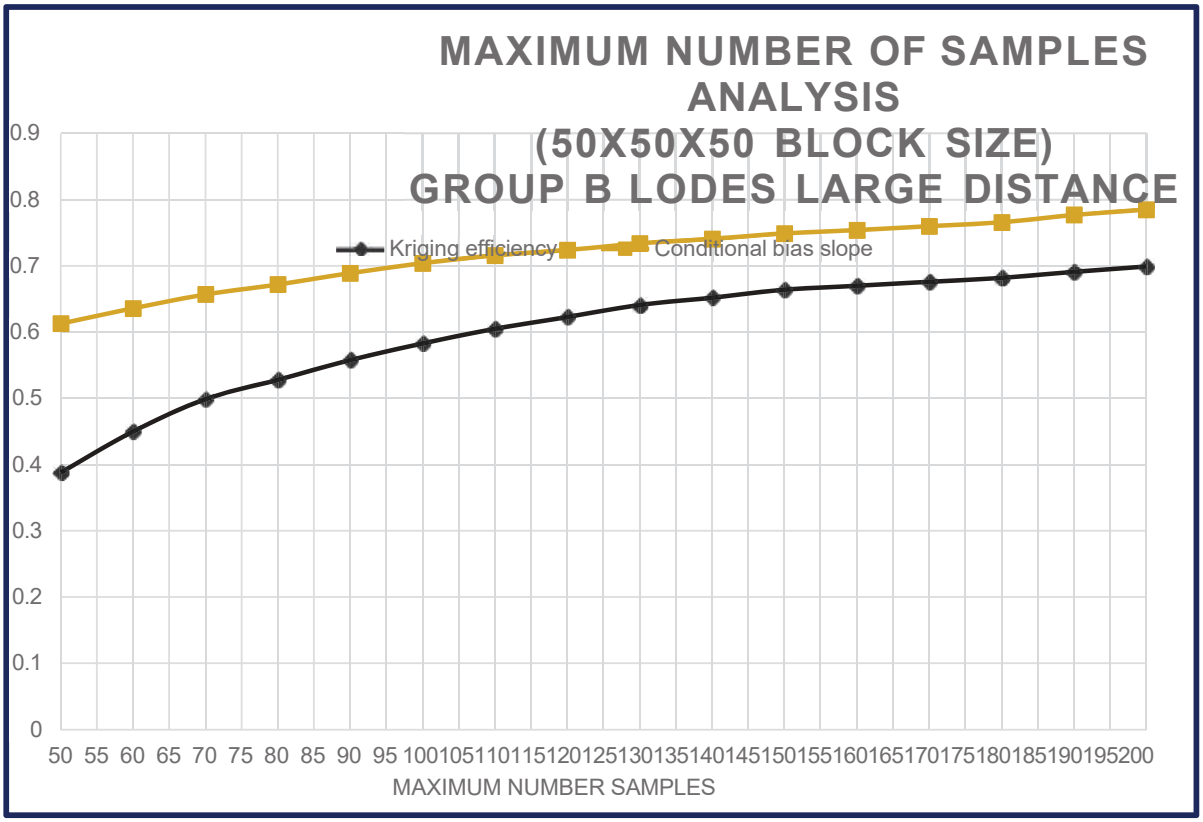

MAXIMUM NUMBER OF SAMPLES ANALYSIS
(60X60X60 BLOCK SIZE)
LODE2 YTTRIUM
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
40
45
50
55
MAXIMUM NUMBER SAMPLES
Kriging efficiency
Conditional bias slope

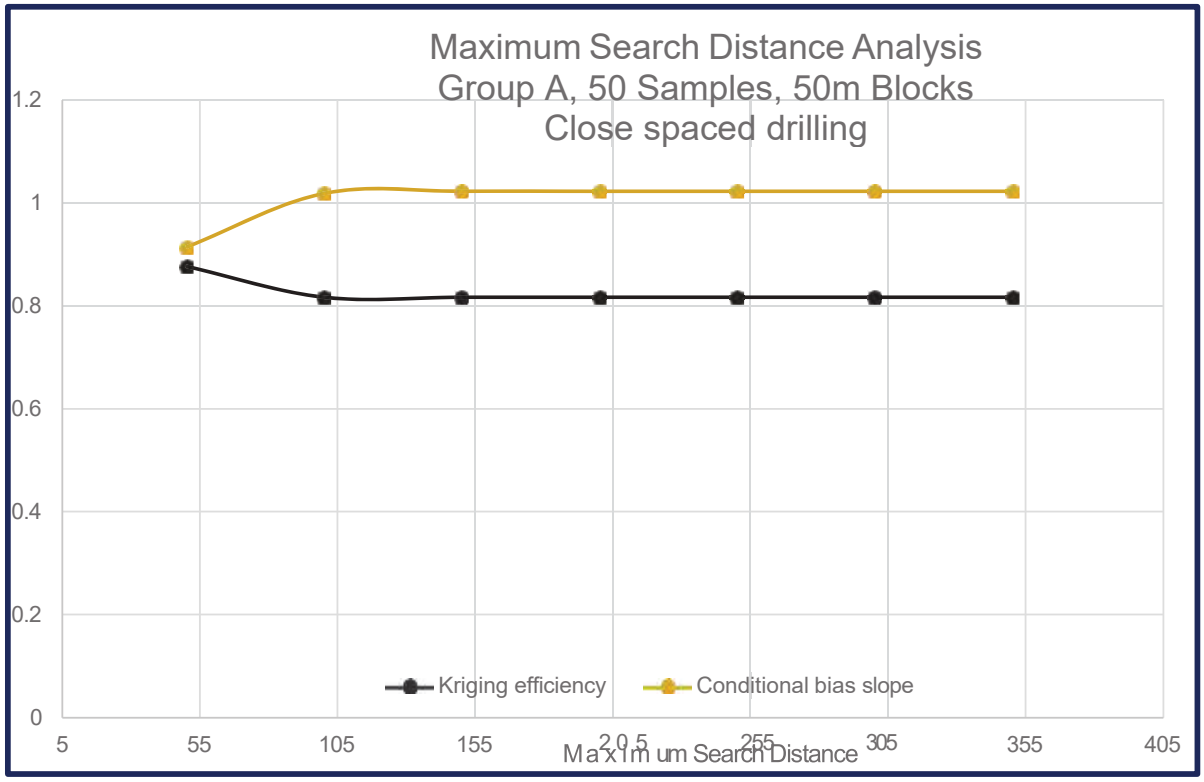

MAXIMUM NUMBER OF SAMPLES ANALYSIS
(60X60X60 BLOCK SIZE)
LODE6 ND
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
40
45
50
55
MAXIMUM NUMBER SAMPLES
Kriging efficiency
Conditional bias slope

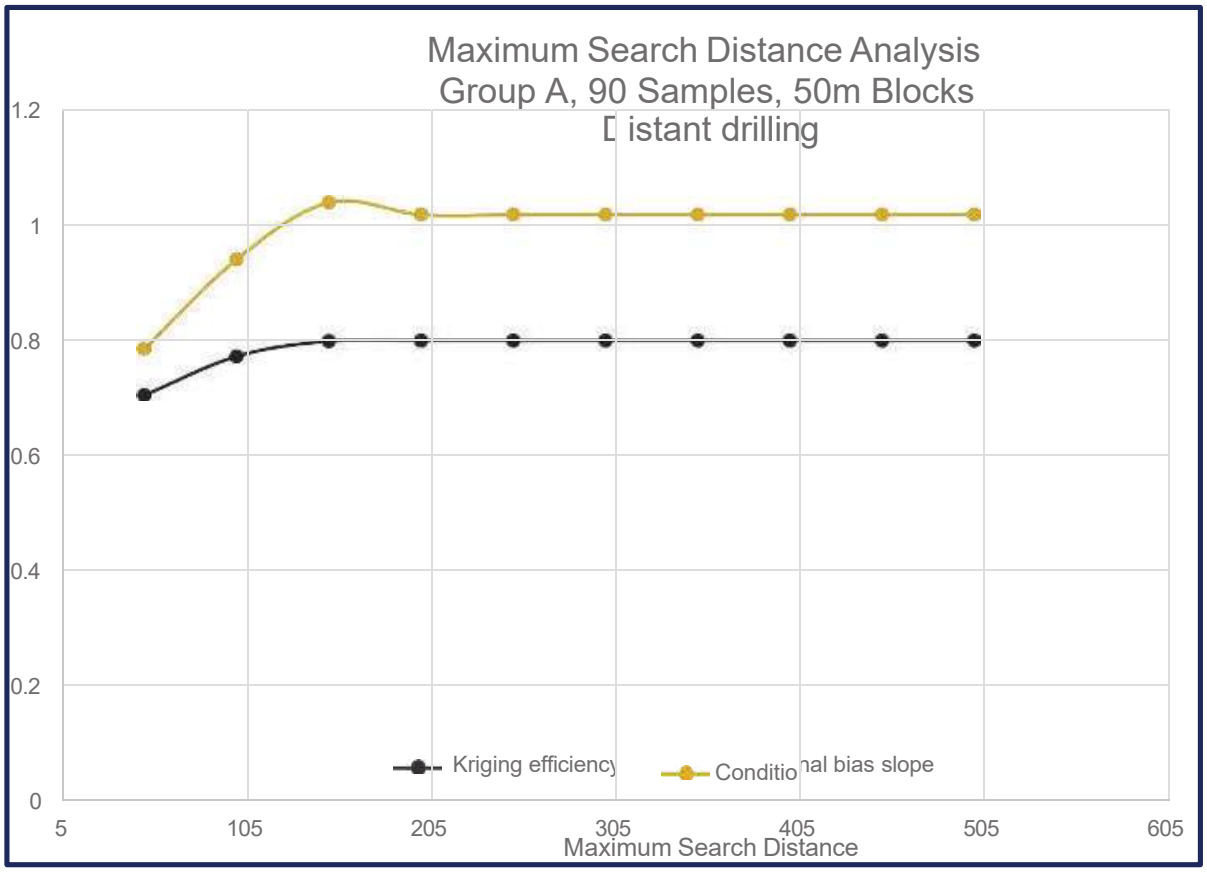

MAXIMUM NUMBER OF SAMPLES ANALYSIS
(50X50X50 BLOCK SIZE)
GROUP A LODES CLOSE SPACED DRILLING
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
MAXIMUM NUMBER SAMPLES
Kriging efficiency
Conditional bias slope

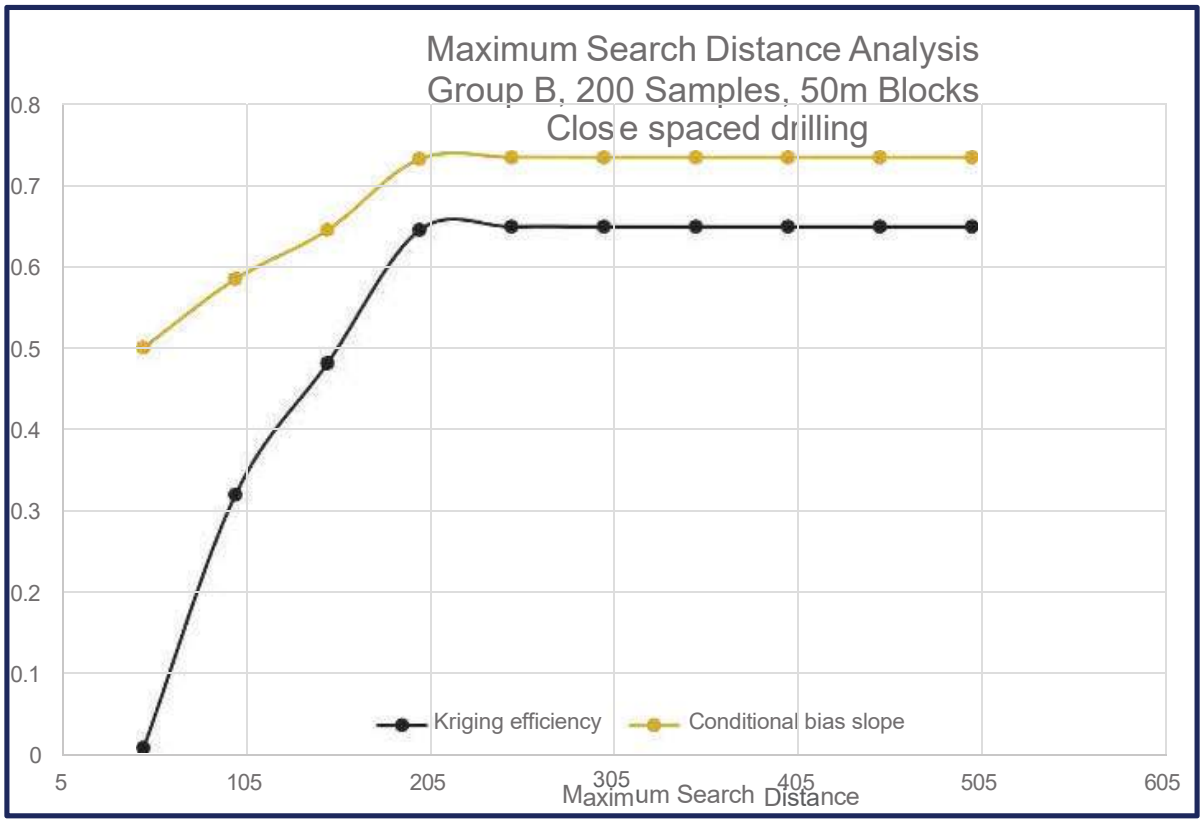

MAXIMUM NUMBER OF SAMPLES ANALYSIS
(50X50X50 BLOCK SIZE)
GROUP A LODES LARGE SPACED DRILLING
1.2
1
0.8
0.6
0.4
0.2
0
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105
MAXIMUM NUMBER SAMPLES
Kriging efficiency
Conditional bias slope

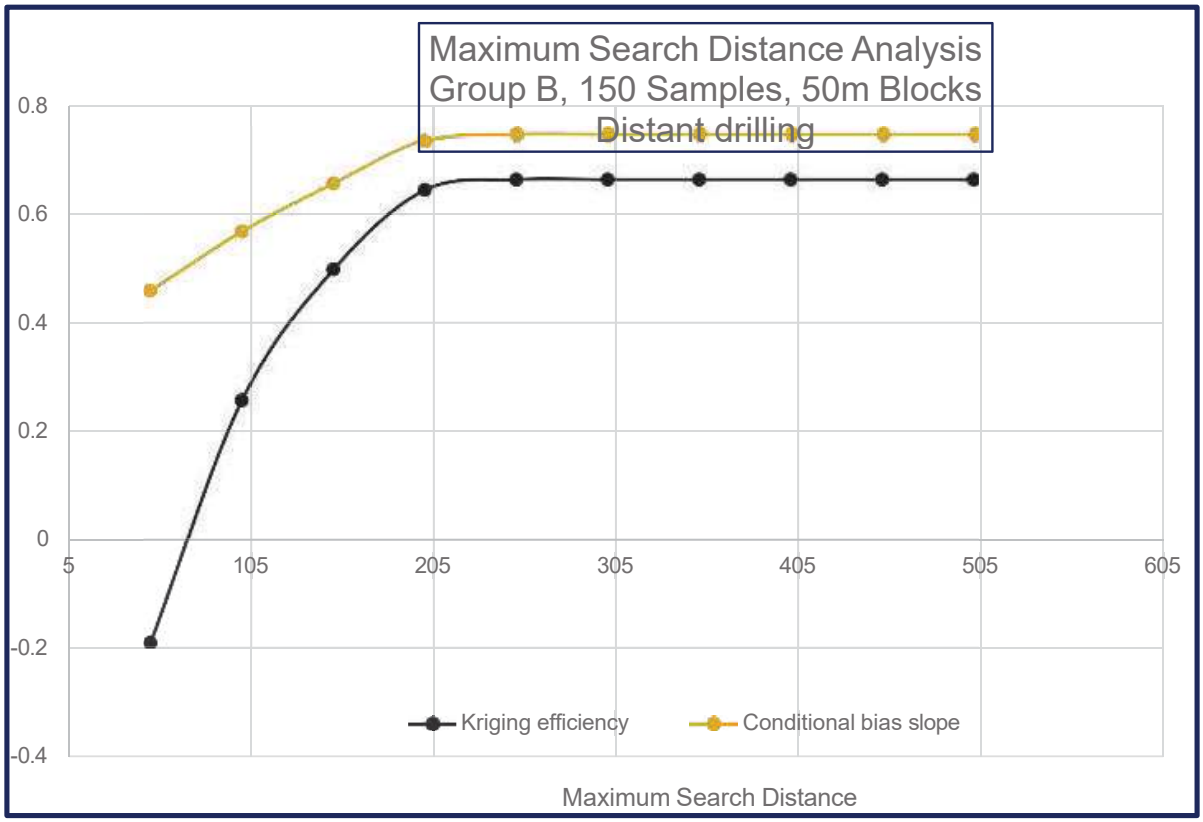

MAXIMUM NUMBER OF SAMPLES ANALYSIS
(50X50X50 BLOCK SIZE)
GROUP B LODES CLOSE SPACED DRILLING
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
50 55 60 65 70 75 80 85 90 95 100105110115120125130135140145150155160165170175180185190195200
MAXIMUM NUMBER SAMPLES
Kriging efficiency
Conditional bias slope


MAXIMUM NUMBER OF SAMPLES ANALYSIS
(50X50X50 BLOCK SIZE)
GROUP B LODES LARGE DISTANCE
Kriging efficiency
Conditional bias slope
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
50 55 60 65 70 75 80 85 90 95 100105110115120125130135140145150155160165170175180185190195200
MAXIMUM NUMBER SAMPLES


Maximum Search Distance Analysis
Group A, 50 Samples, 50m Blocks
Close spaced drilling
1.2
1
0.8
0.6
0.4
0.2
0
Kriging efficiency
Conditional bias slope
5
55
105
155
205
255
305
355
405
Maximum Search Distance


Maximum Search Distance Analysis
Group A, 90 Samples, 50m Blocks
D istant drilling
1.2
1
0.8
0.6
0.4
0.2
0
5
105
205
305
405
505
605
Maximum Search Distance
Kriging efficiency
Conditio nal bias slope


Maximum Search Distance Analysis
Group B, 200 Samples, 50m Blocks
Close spaced drilling
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
105
205
305
405
505
605
Maximum Search Distance
Kriging efficiency
Conditional bias slope


Maximum Search Distance Analysis
Group B, 150 Samples, 50m Blocks
Distant drilling
0.8
0.6
0.4
0.2
0
-0.2
-0.4
5
105
205
305
405
505
605
Kriging efficiency
Conditional bias slope
Maximum Search Distance

APPENDIX 5: JORC Table 1

Appendix A: JORC Code, 2012 Edition – Table 1

SECTION 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *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 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 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. 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:

Criteria	JORC Code explanation	Commentary
		• 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 Ark Mines August to September 2025 Sandy Mitchell programme sampling techniques: • All sampling methodologies were as per the November to December 2023 programme. • The bedrock horizon was determined by geological chip logging supported by driller's run sheet records of penetration and driller's statement of bedrock interception. • Sample for total digest assay were sent to NATA accredited Jinning Test and Inspection for Assay with methodologies matched to that of the previous programmes.
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 102mm and changing to slim line 102mm 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. Ark Mines August to September 2025 Sandy Mitchell programme: • Drill was by AusRoc 4000 multi-purpose rig using 102mm AC and changing to slim line 102mm RC face hammer at depth. • All holes were vertical and drilled to complete the final metre in bedrock.
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*	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.

Criteria	JORC Code explanation	Commentary
	and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• 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: • Recoveries were not estimated and the samples with potential contamination by outside return, are treated as soils. Ark Mines August to September 2025 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 dry 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.
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. Ark Mines August to September 2025 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 2330.5m, excluding 2 failed stubs for 4.3m which were redrilled. • Logging is sufficient to support resource estimation, mining and metallurgical studies.
Sub-sampling techniques and	• *If core, whether cut or sawn and whether quarter, half or all core taken.*	Ark Mines May to June 2023 Sandy Mitchell programme: • All sample passed through the drill cyclone dry.

Criteria	JORC Code explanation	Commentary
sample preparation	• *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 being sampled.*	• 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 funnelled up by spiral flights through a closed steel collar tube, to a collector plate, then funnelled 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. Ark Mines August to September 2025 Sandy Mitchell programme: • All sampling was conducted as per the November to December 2023 programme.
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,*	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.

Criteria	JORC Code explanation	Commentary

	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.*
		• 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 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

Criteria	JORC Code explanation	Commentary
		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. 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.

Criteria	JORC Code explanation	Commentary

		• 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.
		
		Ark Mines August to September 2025 Sandy Mitchell programme:
		• Metre samples were sent to Jinning Test and Inspection for total digest assay:
		• Samples were weighed then kiln dried and re-weighed.
		• 1 in 5 samples was tested for moisture content.
		• 1 in 4 samples was tested for dry loose bulk density.
		• Sample was then pulverization in an LM-5 to 95% passing 75 µm with assay aliquot selected by laboratory splitter.
		• Al, Ca, Cr, Fe, K, Mg, Mn, Na, P, S, and Ti were assayed by four acid digest 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, As, Sn, W and Si were assayed by sodium peroxide fusion under agitation in nickel crucibles with ICP-MS finish.

Criteria	JORC Code explanation	Commentary

		• Field duplicates were taken at 1:40 by 12.5:87.5 riffle split of the total reject.
		• For total digest samples:
		  • Laboratory repeats were assayed at than 1 in 12.
		  • Standard insertion was carried out by the laboratory at 1 in 14.
		• Assay of blank quartz flushes was carried out at 1 in 40.
		• All raw assay and QAQC data including the typically unreported fusion calibration standards were sent to independent chartered analytical chemist Ray Wooldridge of Kurrason Pty Ltd for analysis with subsequent direct requests to Jinning for partial or whole batch refusing, further repeats, methodology updates and any other measures necessary to ensure the highest precision and consistency of results.
		• Final passed data was then databased and reported by Scion Consulting, independent mineral and met data consultant Dan Nicholson.
		• Reported assays were then validated against drill logs and analysed against each batch and against the maiden MRE data set by Empirical Earth Science.
		• These extra QC measures were emplaced by Ark to ensure the highest precision, accuracy and data compatibility after changing laboratories for this round of drill sample assaying.

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) protocols.*
	• *Discuss any adjustment to assay data.*
		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 both resource and reconnaissance works.
		• Data was entered into MS excel then verified against hard copy data, followed by import into Datamine Studio RM for validation.
		• Primary data is stored as hard copy, electronic tables in CSV format and Datamine format.
		• Assay data yielding elemental concentrations for rare earths (REE) within the sample are converted to their stoichiometric oxides (REO) in a calculation performed using the conversion factors in the table below.
		• Rare Earth oxide is the industry accepted form for reporting rare earths. The following calculations have been used for reporting:
		  • 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

Criteria	JORC Code explanation	Commentary
		• 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, ilmenite, garnet, muscovite and biotite are potentially marketable materials contained in the mineralisation as demonstrated by IHC pan concentrate, gravity and MSP work and Downer Mineral Technologies met and IHC Mining work to date. • Assay data yielding elemental concentrations for rare earths (REE), Zr, Hf, Ti, Pb, Ca, Sr, U, Th, As, Fe, Mn, Mg and Al within the sample are converted to their stoichiometric 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 SGS (SGS Oretest Job No: S0580, 2010 for JOGMEC) 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 = (0 / 100 * Sc) * 3.1125 + (31.68 / 100 * Y) * 2.0682 + (99.27 / 100 * La) * 1.6837 + (99.17 / 100 * Ce) * 1.6778 + (99.6 /100 * Pr) * 1.6740 + (98.74 / 100 * Nd) * 1.6584 + (96.75 / 100 * Sm) * 1.6316 + (90.99 / 100 * Eu) * 1.6250 + (87.96 / 100 * Gd) * 1.6039 + (73.26 / 100 * Tb) * 1.5976 + (54.32 / 100 * Dy) * 1.5844 + (36.49 / 100 * Ho) * 1.5758 + (20.76 / 100 * Er) * 1.5678 + (9.84 / 100 * Tm) * 1.5622 + (5.27 / 100 * Yb) * 1.5488 + (3.10 / 100 * Lu) * 1.5428 + (64.20 / 100 * Pb) * 1.4583 + (98.98 / 100 * Th) * 1.4093 + (71.35 / 100 * U) * 1.3990 + (0.97 / 100 * Ca) * 3.3696 + (6.35 / 100 * Sr) * 2.0839 • Xenotime = (0.51 / 100 * Sc) * 3.1125 + (63.53 / 100 * Y) * 2.0682 + (0.01 / 100 * La) * 1.6837 + (0.04 / 100 * Ce) * 1.6778 + (0.11 /100 * Pr) * 1.6740 + (0.33 / 100 * Nd) * 1.6584 + (2.4 / 100 * Sm) * 1.6316 + (5.47 / 100 * Eu) * 1.6250 + (10.5 / 100 * Gd) * 1.6039 + (24.31 / 100 * Tb) * 1.5976 + (42.37 / 100 * Dy) * 1.5844 + (59.16 / 100 * Ho) * 1.5758 + (73.73 / 100 * Er) * 1.5678 + (83.07 / 100 * Tm) * 1.5622 + (85.42 / 100 * Yb) * 1.5488 + (85.38 / 100 * Lu) * 1.5428 + (0.19 / 100 * Pb) * 1.4583 + (0.62 / 100 * Th) * 1.4093 + (16.95 / 100

Criteria	JORC Code explanation	Commentary

* U) * 1.3990 + (0 / 100 * Ca) * 3.3696 + (0.12 / 100 * Sr) * 2.0839
  - Zircon = (100 / 100 * Hf) * 1.5159 + (100 / 100 * Zr) * 2.0094
  - Rutile = (1.23 / 100 * Ti) * 1.6685
  - Hi Ti Leucoxene ppm = (3.03 / 100 * Ti) * 1.9507
  - Lo Ti Leucoxene ppm = (1.84 / 100 * Ti) * 2.0448
  - Ilmenite = (2.09 / 100 * Ti) * 3.1694
  - Garnet = ((12.95 / 100 * Fe) * 2.9710 + (64.05 / 100 * Mn) * 3.0035 + (5.69 / 100 * Mg) * 5.5287 + (8.72 / 100 * Ca) * 3.7464)/10000
  - Muscovite = ((5.09 / 100 * Al) * 4.9206 * 0.6295)/10000
  - Biotite = (50.78 / 100 * Fe) * 6.0896)/10000
- 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	**Formula**	**Key Element**	**Stoichiometric Factor**
Monazite	$Ca(PO_4)$	Ca	3.3696
Xenotime	$Ca(PO_4)$	Ca	3.3696
Monazite	$Sr(PO_4)$	Sr	2.0839
Xenotime	$Sr(PO_4)$	Sr	2.0839
Monazite	$Sc(PO_4)$	Sc	3.1125
Xenotime	$Sc(PO_4)$	Sc	3.1125
Monazite	$Y(PO_4)$	Y	2.0682
Xenotime	$Y(PO_4)$	Y	2.0682
Monazite	$La(PO_4)$	La	1.6837
Xenotime	$La(PO_4)$	La	1.6837
Monazite	$Ce(PO_4)$	Ce	1.6778
Xenotime	$Ce(PO_4)$	Ce	1.6778

Criteria	JORC Code explanation	Commentary			
		Monazite	$Pr(PO_4)$	Pr	1.6740
		Xenotime	$Pr(PO_4)$	Pr	1.6740
		Monazite	$Nd(PO_4)$	Nd	1.6584
		Xenotime	$Nd(PO_4)$	Nd	1.6584
		Monazite	$Sm(PO_4)$	Sm	1.6316
		Xenotime	$Sm(PO_4)$	Sm	1.6316
		Monazite	$Eu(PO_4)$	Eu	1.6250
		Xenotime	$Eu(PO_4)$	Eu	1.6250
		Monazite	$Gd(PO_4)$	Gd	1.6039
		Xenotime	$Gd(PO_4)$	Gd	1.6039
		Monazite	$Tb(PO_4)$	Tb	1.5976
		Xenotime	$Tb(PO_4)$	Tb	1.5976
		Monazite	$Dy(PO_4)$	Dy	1.5844
		Xenotime	$Dy(PO_4)$	Dy	1.5844
		Monazite	$Ho(PO_4)$	Ho	1.5758
		Xenotime	$Ho(PO_4)$	Ho	1.5758
		Monazite	$Er(PO_4)$	Er	1.5678
		Xenotime	$Er(PO_4)$	Er	1.5678
		Monazite	$Tm(PO_4)$	Tm	1.5622
		Xenotime	$Tm(PO_4)$	Tm	1.5622
		Monazite	$Yb(PO_4)$	Yb	1.5488
		Xenotime	$Yb(PO_4)$	Yb	1.5488
		Monazite	$Lu(PO_4)$	Lu	1.5428
		Xenotime	$Lu(PO_4)$	Lu	1.5428
		Monazite	$Pb(PO_4)$	Pb	1.4583
		Xenotime	$Pb(PO_4)$	Pb	1.4583
		Monazite	$Th(PO_4)$	Th	1.4093
		Xenotime	$Th(PO_4)$	Th	1.4093
		Monazite	$U(PO_4)$	U	1.3990
		Xenotime	$U(PO_4)$	U	1.3990
		Zircon	$Hf(SiO_4)$	Hf	1.5159
		Zircon	$Zr(SiO_4)$	Zr	2.0094
		Rutile	TiO_2	Ti	1.6685
		Hi Ti Leucoxene	$Ti_3O_3(OH)_6.TiO_2$	Ti	1.9507
		Lo Ti Leucoxene	$Ti_3O_3(OH)_6$	Ti	2.0448
		Altered Ilmenite	$Fe_2Ti_3O_9$	Ti	2.7805
		Ilmenite	$FeTiO_3$	Ti	3.1694
		Almandine	$Fe_3Al_2Si_3O_{12}$	Fe	2.9710
		Spessartine	$Mn_3Al_2Si_3O_{12}$	Mn	3.0035
		Pyrope	$Mg_3Al_2Si_3O_{12}$	Mg	5.5287
		Grossular	$Ca_3Al_2Si_3O_{12}$	Ca	3.7464
		Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$	Al	4.9206
		Biotite	$K_{0.9}Na_{0.03}Ca_{0.02}(Fe_{1.34}Mg_{0.94}Ti_{0.22}Al_{0.23})(Al_{1.58}Si_{2.42})0_{10}(OH)_2$	Fe	6.0896

Criteria	JORC Code explanation	Commentary
		• 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 lesser extent Zr, can occur in other minerals not included in calculation, the calculated mineralogy for these elements should be considered a maximum. This also applies to Fe, Mn, Mg, Ca and Al in garnet, and both micas. However, QEM Scan conducted by ALS in 2024 and supported by laser ablation ICP-MS grain assays conducted by CODES in 2024, have provided elemental deportments into each mineral species and these deportments have been used to calculate the percentage of the critical element that contributes to each mineral. Ark Mines August to September 2025 Sandy Mitchell programme: • Significant intersections have not been separately determined or reported. • 3 further twin holes were completed in addition to the previous 11 twins, two of which are stubs at less than full length. • Log data was entered into MS excel then verified against hard copy data, followed by import into Datamine Studio RM for validation. • Assay data was directly imported from the final lab reports into MS excel followed by import into Datamine Studio RM for validation. • Primary data is stored as hard copy, electronic tables in CSV format and Datamine format. • Assay with respect to oxides and mineralogy are as reported above for the Ark Mines May to June 2023 and November to December 2023 Sandy Mitchell programme, ie the same schema is applied throughout.
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.

Criteria	JORC Code explanation	Commentary
		Ark Mines August to September 2025 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. • Survey data is recorded in MGA 2020 UTM zone 54.
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 applied.*	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: • 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. Ark Mines August to September 2025 Sandy Mitchell programme: • Data spacing for 18 lines of drilling is 280m x 2800m, staggered. • No compositing has been applied to 1m samples. • Variographic analysis of the May to June 2023 and November to December 2023 programme data shows the sample spacing and distribution is appropriate for geological and grade continuity to support future mineral resource estimation.
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*	Ark Mines May to June 2023, November to December 2023 (including auger), and August to September 2025 Sandy Mitchell programme: • 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.

Criteria	JORC Code explanation	Commentary
	should be assessed and reported if material.	
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. Ark Mines August to September 2025 Sandy Mitchell programme: • Samples were collected after logging and transported at the end of each day to storage on site, then periodically transported in bulk to the company locked storage in Chillagoe.
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 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.

Criteria	JORC Code explanation	Commentary
		• EES noted that the extensive QAQC was of good quality without significant bias, and showed that the data was fit for use in resource estimation. • EES noted that the 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. Ark Mines August to September 2025 Sandy Mitchell programme: • Full audit of sampling and logging techniques has been carried out by geological consultants, Empirical Earth Science. • Assay and QAQC data including the typically unreported fusion calibration standards were sent to independent chartered analytical chemist Ray Wooldridge of Kurrason Pty Ltd for analysis with subsequent direct requests to Jinning for partial or whole batch refusing, further repeats, methodology updates and any other measures necessary to ensure the highest precision and consistency of results • Further audits by EES are ongoing but no anomalies or systemic errors have been identified to date

SECTION 2 REPORTING OF EXPLORATION RESULTS

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

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. • A subsection of EPM 28013 was converted to mining lease ML 100409 on 15th October 2025 with an area of 405.57 ha encompassing the whole maiden MRE. • ML 100409 is subject to a landholder compensation agreement under Section 279 of the Mineral Resources Act 1989
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

Criteria	JORC Code explanation	Commentary
		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 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

Criteria	JORC Code explanation	Commentary
		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). 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. • Work after 2012 was carried out by Ark Mines Ltd and is detailed herein.

Criteria	JORC Code explanation	Commentary
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 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 appears largely gold deficient to date, except for the gold reporting to sediments within the Palmer River to the north. Recent Governmental radiometric surveys have highlighted areas of anomalous 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 33m, average 10.0m (stage 3 & 4 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, garnet and micas. 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:* ○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *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.*	• A full list of drilling information is listed ASX Announcement: Ark Mines Limited. 20 August 2026. *Sandy Mitchell Stage 3 Resource Expansion Drilling Results* [Progress Report], Ark Mines Limited; Sydney – Appendix B: Drill Data Table. • *https://asx.api.cmfyapp.com/asx-research/1.0/file/2924-03123521-2A1690691&v=undefined*

Criteria	JORC Code explanation	Commentary
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 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.*	Ark Mines May to June 2023, November to December 2023 and August to September 2025 Sandy Mitchell programme: • High grade cutting was conducted on all interpolated elements. These were calculated using histograms and probability plots. Full details are in the core of the report

Element	High Grade Cut Used
Sc	50
Y	87
La	220
Ce	410
Pr	60
Nd	170
Sm	35
Eu	4
Gd	24
Tb	6
Dy	22
Ho	No cutting
Er	19
Tm	No Cutting
Yb	20
Lu	No cutting
Th	100
U	10
Zr	1350
Hf	50
Nb	74
As	40
Ti	14200
S	5300
Ca	134000
Sr	760
Pb	129
Fe	149000
Mn	1836
Mg	70000
Al	155000

• Calculated mineralogy reduced by the deportment percentages (discussed and shown in Table 1 Part 1) is used to derive a monazite equivalent, which represents the economic heavy minerals proportional to their value

Criteria	JORC Code explanation	Commentary

(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 ilmenite, ilmenite, garnet, muscovite and biotite 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
garnet		0.058
muscovite		0.026
biotite		0.015

- 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 + 0.058 * garnet + 0.026 * muscovite + 0.015 * biotite

- The basket of 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.
- THM % (Total Heavy Minerals) is a simple mineral summation used in the mineral sands industry and has

Criteria	JORC Code explanation	Commentary
		been adopted due to its familiarity. THM% is the unit invariant summation of monazite, xenotime, zircon, rutile, low Ti leucoxene, high Ti leucoxene, altered ilmenite, ilmenite and garnet. By convention it excludes the micas: THM % = (monazite ppm + xenotime ppm + zircon ppm + rutile ppm + hi_Ti_leucoxene ppm + lo_Ti_leucoxene ppm + altered_ilmenite ppm + ilmenite ppm)/10000 + garnet% • TCM% (Total Commercial Minerals) is a less common but still recognised simple mineral summation which allows capture of the micas along with the HM basket captured in THM%: TCM % = (monazite ppm + xenotime ppm + zircon ppm + rutile ppm + hi_Ti_leucoxene ppm + lo_Ti_leucoxene ppm + altered_ilmenite ppm + ilmenite ppm)/10000 + garnet % + muscovite % + biotite % • The cutoff grade is calculated on monazite equivalent (MzEq) 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 1957 ppm MzEq which correlates to the mixed population low grade left tail of the grade distribution affected by the input of non-ore grade background element assay. This equates to a geological domain boundary, not an economic boundary.
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 and November to December 2023 Sandy Mitchell programme 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 depositional 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. • These relationships hold true for the 2025 data, as would be expected for the same mineralisation system, as seen in logging and assay results.
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 report/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.*	• A full list of drilling information is listed ASX Announcement: Ark Mines Limited. 20 August 2026. *Sandy Mitchell Stage 3 Resource Expansion Drilling Results* [Progress Report], Ark Mines Limited; Sydney – Appendix B: Drill Data Table. • *https://asx.api.cmfyapp.com/asx-research/1.0/file/2924-03123521-2A1690691&v=undefined*
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 August to September 2025 drilling. • Ark plans further resource extension drilling to the north, west and south of the resource described in this report. • Ark plans further metallurgical test work on a larger sample basis, investigating several different techniques to determine optimal processing. This work commenced in 2025 with provision of a 2.25 DMt ROM grade sample and recharacterization by IHC Mining Yatala, followed by flow sheet development and commencement of full met test work programme in 2026. • Ark also plans pilot plant test work and prefeasibility studies. • Ark plans further drill testing works across the tenement.

SECTION 3 ESTIMATION AND REPORTING OF MINERAL RESOURCES

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

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

Criteria	JORC Code explanation	Commentary
	• *Data validation procedures used.*	
Site visits	• *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.*	• Andrew Hawker, principal geologist for HGS undertook a site visit in November 2025. Details are in the core of the report

Geological interpretation	• *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.*
		• 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 1957ppm MzEq lower cut-off grade with flexibility for geological continuity.
		  • Sections extended half the distance from the previous section.

Dimensions	• *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.*	• Mineralised outlines were interpreted by HGS within the coordinates:
		  ○ 8193000N – 8198200N
		  ○ 812300E – 817400E
		  ○ 140mRL – 189mRL

Estimation and modelling techniques	• *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 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.*	• 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:

Element	High Grade Cut Used
Sc	50
Y	87
La	220
Ce	410
Pr	60
Nd	170
Sm	35
Eu	4
Gd	24
Tb	6
Dy	22
Ho	No cutting
Er	19

Criteria	JORC Code explanation	Commentary

- *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.*

Tm	No Cutting
Yb	20
Lu	No cutting
Th	100
U	10
Zr	1350
Hf	50
Nb	74
As	40
Ti	14200
S	5300
Ca	134000
Sr	760
Pb	129
Fe	149000
Mn	1836
Mg	70000
Al	155000

- Model sizes and parameters are:

Type	Northing	Easting	Elevation
Minimum Coordinates	8193000	812300	115
Maximum Coordinates	8198200	817400	205
User Block Size	50	25	2
Min. Block Size	12.5	6.25	0.5
Rotation	0	0	0
Total Blocks	1507629		
Storage Efficiency %	97.53		

Attribute Name	Type	Decimals	Background	Description
alt_ilmenite	Float	2	0	Calculation for Altered Ilmenite

Criteria	JORC Code explanation	Commentary				
		hi_ti_leucoxene	Float	2	0	Calculated Hi Ti Leucoxene
		hreo	Float	2	0	calculated HREO
		ilmenite	Float	2	0	Calculated Ilmenite
		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

Criteria	JORC Code explanation	Commentary

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
rutile	Real	-	0	calculated rutile
sg	Float	2	0	interpolated density data
treo	Float	2	0	calculated TREO
treo_y_sc	Float	2	0	calculated TREO + Y + Sc
xenotime	Float	2	0	calculated xenotime
zircon	Float	2	0	calculated zircon

- The interpolation pass parameters used are as follows for all elements:
  - Pass 1: 20-200 samples 200m max search
  - Pass 2: 10-200 samples 400m max search
  - Pass 3: 1-200 samples 800m 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 1957ppm MzEq • The resource is flat and exposes the surface to a max depth of 25.5m. The anticipated mining method will be either loader, excavator, continuous miner or dozer push. Blasting is not required. A large scale low cost mining method can be employed and all mineralisation will be considered for this evaluation.
Metallurgical factors or assumptions	• *The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part*	**Background and Scope** • Phase 2 metallurgical testwork (Variation 1) was conducted by IHC Mining (IHC) on a composite heavy mineral concentrate

Criteria	JORC Code explanation	Commentary
	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.	(HMC) sample derived from Ark Mines' Sandy Mitchell project (EPM28013), North Queensland. The testwork comprised Tests T01–T17 and T101–T112 on the -0.15mm and -0.5+0.15mm HMC size fractions respectively. • The objective of Variation 1 was to evaluate an alternative processing flowsheet to further upgrade rare earth element (REE) products, particularly through triboelectrostatic separation, to achieve higher Total Rare Earth Oxide (TREO) grades. **Sample** • Variation 1 Metallurgical test samples were composited from representative drill hole material. Relevant drill data, refer to ASX: AHK 2 OCT 2024, Sandy Mitchell Measured Resource of 71.8Mt @ 1,732.7ppm MzEq, table in Appendix C: Sandy Mitchell Stage 1 complete assay return. • Representative sample was deslimed, wet gravity concentrated over shaker table and electrostatically separated by Currumbin Minerals. • Sample preparation was conducted by IHC Mining in accordance with standard laboratory protocols. Feed material was dried and weighed at each stage of the flowsheet, with mass distributions calculated by weighing of all products and tailings • Variation 1 testwork was conducted at bench scale. Scale-up factors and plant-scale variability have not yet been characterised and will be subject to further testwork including pilot plant studies. • The sample volume used is considered appropriate for the current stage of project development (proof-of-concept and flowsheet optimisation). **Test Methods** • Tests T01–T17 addressed the -0.15mm HMC fraction; Tests T101–T112 addressed the -0.5+0.15mm HMC fraction. • Separation stages applied: (1) Wet screening at 0.5mm and 0.15mm; (2) Dry RE drum magnetic separation (REDMS, 1–2 passes); (3) Wet shaking tables (up to 4 stages); (4) Dry induced roll magnetic separation (IRMS, 1–8 passes); (5) High tension roll separation (HTRS, 3 passes with nonconductor retreatment); (6) Heavy liquid separation (HLS) at 4.05 SG (applied to selected -0.5+0.15mm streams); (7) Tribo-electrostatic separation (Tribo-ESPS, 1–2 passes). • All mass distributions, XRF assays (TiO_2, ZrO_2) and ICP assays (Ce, Y, and full REE suite) were determined on product and tailing streams from each separation stage. • Assay methods: XRF for major oxides (TiO_2, ZrO_2, SiO_2, Fe_2O_3, Al_2O_3 and others); ICP-MS/ICP-OES for full REE suite (La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y), Th, U and trace elements. **Flowsheet Overview** • The Variation 1 flowsheet (IHC Project 2734) applied sequential separation stages to both the -0.15mm and -0.5+0.15mm HMC fractions, including: wet screening and drying; dry magnetic

Criteria	JORC Code explanation	Commentary
		separation (REDMS); wet shaking tables; induced roll magnetic separation (IRMS, multiple passes); high-tension roll separation (HTRS); heavy liquid separation (HLS) at 4.05 SG (applied to selected -0.5+0.15mm streams); and triboelectrostatic separation (Tribo-ESPS, applied to -0.15mm REE concentrate streams). **REE Product Grades and Mass** • Four final REE product/concentrate streams were generated: • -0.15mm REE product: 0.29% mass distribution, 20.6% Ce, TREO 54.8% — the highest-grade product achieved, produced via reverse magnetic separation followed by triboelectrostatic separation. • -0.15mm REE concentrate 1: 0.08% mass distribution, 15.3% Ce, TREO 41.3%. • -0.15mm REE concentrate 2: 0.08% mass distribution, 17.1% Ce, TREO 46.4%. • -0.5+0.15mm REE product: 0.23% mass distribution, 19.7% Ce, TREO 52.6%. • Combined total mass of all four REE product/concentrate streams is approximately 570 g (0.67% of head feed). The expected blended TREO grade of all four streams combined is approximately 52.2% TREO. **Key Metallurgical Findings** • Triboelectrostatic separation (Tribo-ESPS) was proven as an effective and preferred method for separating REE minerals from magnetically similar zircon in the -0.15mm fraction, achieving >54% TREO in the final REE product. This method is considered superior to wet gravity separation and flotation for this application. • Magnetic zircon (zircon with elevated magnetic susceptibility) was identified as the primary challenge limiting achievement of high-grade (>54% TREO) REE products. • The -0.15mm REE product (54.8% TREO) was achieved by combining "reverse" magnetic separation with triboelectrostatic separation of lower-grade (37–48% TREO) REE concentrates. • Triboelectrostatic separation may also be applicable to ultrafine (-0.045mm) particle size fractions, providing a prospective processing method for Sandy Mitchell ultrafine product streams. • Gravity separation of all -0.15mm product streams was conducted using wet shaking tables only (without HLS). HLS was applied to one -0.5+0.15mm product stream for operational efficiency. • Generation of saleable REE products from the -0.5+0.15mm HMC was demonstrated without requiring grinding of the entire fraction. Only selected final by-products may require grinding for improved mineral liberation and reprocessing. • Generation of a >70% TiO2 product within the -0.15mm process circuit was demonstrated, confirming potential for saleable titanium dioxide products. **Recovery of Cerium (Ce)**

Criteria	JORC Code explanation	Commentary
		• Overall recovery of Ce into the four REE product streams was 65.43% (42.63% from the -0.15mm fraction and 22.80% from the -0.5+0.15mm fraction). • Particle-size based Ce recovery was 70.79% in the -0.15mm process circuit and 58.36% in the -0.5+0.15mm circuit (reflecting lower mineral liberation in the coarser fraction). • These recovery levels are expected to be increased under plant conditions through recirculation of intermediate streams and/or grinding and reprocessing of selected -0.5+0.15mm final product streams. **REE Product Elemental Composition** • The -0.15mm REE product (highest grade, 54.8% TREO) contains: Ce 20.6%, La 10.0%, Nd 8.57%, Pr 2.31%, Sm 1.50%, Y 1.17%, Dy 3,527 ppm, Gd 8,460 ppm, Er 820 ppm, Eu 326 ppm. • Heavy rare earth oxide (HREO) content of the combined -0.15mm REE product streams is approximately 2.2%; medium REE oxides (MREO) approximately 0.5%; light REE oxides (LREO) approximately 49.8%; with Nd2O3+Pr6O11 approximately 12.8%. • Gangue mineralogy in the -0.15mm REE product includes: SiO2 26.2%, TiO2 5.17%, ZrO2 6.55%, Fe2O3 0.6%, with minor Al2O3, CaO, Cr2O3, HfO2. **Metallurgical Balance Summary (-0.15mm HMC)** • -0.15mm REE product: 1.56% mass, Ce distribution 49.71%, TREO 54.8%. • -0.15mm REE concentrate 1 + 2: 0.84% combined mass, Ce distribution ~18% combined. • -0.15mm HTRS conductors: 6.29% mass, TiO2 73.5%, high-grade titanium product stream. • -0.15mm IRMS nonmagnetics 1: 18.98% mass, ZrO2 48.9%, primary zircon stream. **Metallurgical Balance Summary (-0.5+0.15mm HMC)** • -0.5+0.15mm REE product: 0.30% mass (of -0.5+0.15mm HMC), Ce distribution 58.36%. • -0.5+0.15mm IRMS nonmagnetics 1: 3.74% mass, ZrO2 17.3%, primary zircon stream. • -0.5+0.15mm HTRS conductors 1 & 2: combined 0.48% mass, HTRS conductors 1 assays 37.1% TiO2 and conductors 2 assays 104,000 ppm Ce. **Recovery** • Recovery levels are considered conservative relative to expected plant-scale performance, as intermediate product streams that were retained as separate fractions in bench-scale testing would normally be recycled in a continuous plant operation. • Previous Phase 1 testwork (Mineral Technologies, 2024) indicated overall Ce recovery of approximately 71.7% (direct) to 83.8% (including recycling of intermediate streams). Phase 2 Variation 1 results are consistent with and build upon these findings. **Implications for Resource Reporting**

Criteria	JORC Code explanation	Commentary
		• The testwork confirms that REE mineral products meeting commercial grade thresholds can be produced from the Sandy Mitchell HMC without full-stream grinding, supporting the economic basis for the existing Mineral Resource Estimate. • The testwork re-prioritises the -0.5+0.15mm process circuit (from second to first priority) within the overall test program, given demonstrated production of saleable REE products without grinding of the full stream. • The testwork confirms the need to reassess production of saleable TiO2 products as part of the overall project processing strategy. The metallurgical assumptions underpinning the current Mineral Resource Estimate remain reasonable and consistent with Phase 2 Variation 1 results. Further testwork will be used to refine metallurgical factors in subsequent resource updates and feasibility studies.
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 should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.*	• No assessments have been made yet, an independent EIS is currently in planning.
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*	• The database contains 1893 density measurements ranging from 0.48t/m³ to 2.41t/m³ with an average of 1.53t/m³. • The data was interpolated into the model using a nearest neighbour algorithm

Criteria	JORC Code explanation	Commentary
	between rock and alteration zones within the deposit. • *Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.*	
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, indicated and inferred. The reasons are: • The 3 programs conducted by Ark over the years has shown consistency in mineralisation and continuity in grade with 3 varying drill grid patterns of 100m x 50m, 100m x 100m staggered pattern and the current program of approximately 280m x 280m staggered grid. Variability in grade and mineralisation has rarely changed. • Consistency of 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. • There is a strong recognition of geological controls on mineralisation. • Variability in the grade distribution is sufficient to create quality variograms. • A high degree of metallurgical understanding. • 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.*	• No 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*	• The competent person has confidence in the interpretation with regards to accuracy for the classification announced. • The interpolation process was run ordinary Kriging. • Past resource work has included uncut kriging and inverse distance squared interpolations for comparison. This proved to be consistently close with minimal outlier high grades affecting the overall average grades. This was not conducted this time doe to the past reporting

Criteria	JORC Code explanation	Commentary
	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.*	

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00035	814555.64	8193860.20	163.94	0.0	1.0	20.0	5099.4	2.5	18.5	750.9	37.6	1067.5	84.5	243.5	155.0	252.0	272.8	2.2	15.0	1.0	386.6	409.1	375.2	11.4
SMDH 00035	814555.64	8193860.20	163.94	1.0	2.0	40.0	4788.7	2.3	17.2	733.9	39.8	990.6	81.7	235.2	149.7	243.4	263.6	2.0	13.7	1.2	417.1	441.9	405.7	11.4
SMDH 00035	814555.64	8193860.20	163.94	2.0	3.0	40.0	5631.5	3.1	13.7	1882.9	41.1	854.5	70.0	201.6	128.3	208.6	225.9	2.8	9.7	1.0	419.6	445.3	407.9	11.6
SMDH 00035	814555.64	8193860.20	163.94	3.0	4.0	50.0	5396.8	3.3	10.7	2196.2	31.1	485.1	44.2	127.2	81.0	131.6	142.5	3.0	6.7	0.7	282.9	302.0	273.9	9.0
SMDH 00035	814555.64	8193860.20	163.94	4.0	5.0	70.0	4525.2	2.5	12.1	1370.0	34.2	545.4	58.3	168.0	106.9	173.8	188.3	2.2	8.6	0.9	391.3	411.7	380.9	10.4
SMDH 00035	814555.64	8193860.20	163.94	5.0	6.0	50.0	4608.1	2.6	11.2	1545.0	39.0	580.4	54.2	156.0	99.3	161.4	174.8	2.3	7.7	0.9	359.4	383.9	348.4	11.0
SMDH 00035	814555.64	8193860.20	163.94	6.0	7.0	75.0	3697.9	1.9	11.1	944.8	45.9	457.2	48.5	139.6	88.9	144.5	156.5	1.7	8.3	0.9	357.6	386.2	344.2	13.5
SMDH 00035	814555.64	8193860.20	163.94	7.0	8.0	90.0	3858.6	2.1	10.3	1189.8	37.8	514.5	39.4	113.5	72.2	117.4	127.2	1.9	7.4	0.8	338.8	362.6	328.2	10.6
SMDH 00035	814555.64	8193860.20	163.94	8.0	9.0	90.0	5178.9	2.9	12.1	1861.3	39.0	690.1	41.5	119.4	76.0	123.6	133.8	2.6	8.4	0.8	419.6	443.8	408.6	11.0
SMDH 00035	814555.64	8193860.20	163.94	9.0	10.0	70.0	4974.3	2.8	14.7	1237.3	45.4	702.6	63.3	182.3	116.1	188.7	204.4	2.5	11.0	0.9	350.4	378.8	337.5	12.9
SMDH 00035	814555.64	8193860.20	163.94	10.0	11.0	98.0	5376.8	3.0	15.4	1442.2	51.6	650.4	65.9	189.8	120.8	196.4	212.7	2.7	11.3	1.1	362.2	394.4	346.7	15.5
SMDH 00035	814555.64	8193860.20	163.94	11.0	12.0	80.0	5428.2	2.9	16.6	1338.2	61.1	584.9	70.9	204.2	130.0	211.3	228.8	2.7	12.4	1.2	443.8	481.7	425.6	18.2
SMDH 00035	814555.64	8193860.20	163.94	12.0	13.0	90.0	4562.4	2.5	13.3	1233.1	45.3	536.6	58.4	168.1	107.0	174.0	188.4	2.2	9.9	0.9	391.8	420.0	378.9	12.9
SMDH 00035	814555.64	8193860.20	163.94	13.0	14.0	85.0	4309.9	2.6	12.8	1041.8	20.8	475.8	54.7	157.4	100.2	162.9	176.4	2.4	9.4	0.8	171.9	184.3	165.9	6.1
SMDH 00035	814555.64	8193860.20	163.94	14.0	15.0	90.0	3052.1	1.8	8.0	878.4	8.3	304.2	35.1	101.0	64.3	104.5	113.2	1.7	5.2	1.0	58.8	63.1	56.3	2.5
SMDH 00035	814555.64	8193860.20	163.94	15.0	15.5	50.0	3320.2	2.0	8.0	1018.2	7.1	463.7	36.7	105.7	67.3	109.4	118.5	1.8	4.8	1.1	47.6	50.9	45.4	2.3
SMDH 00035	814555.64	8193860.20	163.94	15.5	16.0	50.0	3320.2	2.0	8.0	1018.2	7.1	463.7	36.7	105.7	67.3	109.4	118.5	1.8	4.8	1.1	47.6	50.9	45.4	2.3
SMDH 00036	814439.19	8193866.40	163.05	0.0	1.0	30.0	4256.0	2.3	12.4	1114.8	31.4	508.3	65.1	187.4	119.3	194.0	210.0	2.1	8.9	1.2	301.0	319.9	291.8	9.1
SMDH 00036	814439.19	8193866.40	163.05	1.0	2.0	60.0	2902.8	1.2	7.9	729.4	53.1	957.6	88.3	254.3	161.9	263.2	285.0	1.0	5.9	0.8	401.4	435.2	386.3	15.1
SMDH 00036	814439.19	8193866.40	163.05	2.0	3.0	50.0	4650.7	2.4	15.9	839.0	33.2	860.7	65.9	189.7	120.8	196.4	212.6	2.2	12.6	0.9	328.5	348.9	319.0	9.5
SMDH 00036	814439.19	8193866.40	163.05	3.0	4.0	60.0	7058.3	4.9	12.1	3022.8	21.5	403.7	61.9	178.2	113.4	184.4	199.6	4.5	6.2	1.0	189.2	201.8	182.9	6.3
SMDH 00036	814439.19	8193866.40	163.05	4.0	5.0	60.0	4777.5	2.7	15.9	877.0	22.4	571.8	88.5	254.9	162.2	263.8	285.6	2.5	11.8	1.3	260.9	273.7	254.3	6.6
SMDH 00036	814439.19	8193866.40	163.05	5.0	6.0	80.0	6280.5	4.2	15.1	2031.9	14.9	393.8	65.3	188.2	119.8	194.8	210.9	3.9	9.8	1.0	183.5	191.6	179.0	4.6
SMDH 00036	814439.19	8193866.40	163.05	6.0	7.0	60.0	8238.6	5.8	18.8	2890.5	17.1	255.6	41.7	120.2	76.5	124.4	134.7	5.5	12.4	0.6	182.5	192.2	177.5	5.0
SMDH 00036	814439.19	8193866.40	163.05	7.0	8.0	80.0	4903.7	3.1	13.6	1314.5	11.5	403.4	69.1	198.9	126.6	205.8	222.9	2.8	9.4	1.1	151.7	157.8	148.4	3.3
SMDH 00036	814439.19	8193866.40	163.05	8.0	9.0	98.0	4492.2	2.5	10.5	1453.2	26.2	776.1	83.1	239.3	152.3	247.6	268.1	2.2	6.8	1.2	338.5	353.7	330.9	7.6
SMDH 00036	814439.19	8193866.40	163.05	9.0	10.0	70.0	3295.0	1.9	7.0	1152.1	8.9	404.0	64.1	184.7	117.5	191.1	206.9	1.7	3.8	1.3	99.0	103.9	96.5	2.5
SMDH 00036	814439.19	8193866.40	163.05	10.0	11.0	90.0	4093.8	2.4	10.3	1248.4	15.2	443.0	79.5	228.9	145.7	236.9	256.5	2.1	6.7	1.2	167.2	175.8	162.9	4.3
SMDH 00036	814439.19	8193866.40	163.05	11.0	12.0	95.0	5572.8	3.1	14.4	1667.6	33.2	850.5	119.9	345.2	219.8	357.3	386.9	2.7	10.0	1.3	445.8	465.0	435.4	10.3
SMDH 00036	814439.19	8193866.40	163.05	12.0	13.0	80.0	6218.9	3.7	16.0	1759.6	21.6	915.3	130.0	374.5	238.4	387.6	419.7	3.3	10.8	1.5	220.8	233.5	214.5	6.2
SMDH 00036	814439.19	8193866.40	163.05	13.0	14.0	98.0	5278.7	2.9	13.3	1689.5	35.6	699.9	84.2	242.5	154.4	251.0	271.8	2.6	9.2	1.3	401.5	423.2	391.4	10.1
SMDH 00036	814439.19	8193866.40	163.05	14.0	15.0	90.0	4765.7	2.7	14.6	1151.8	30.6	340.5	73.0	210.2	133.8	217.6	235.6	2.5	10.8	1.2	263.6	281.8	254.4	9.2
SMDH 00036	814439.19	8193866.40	163.05	15.0	16.0	80.0	4663.0	2.5	13.6	1267.0	45.8	390.9	62.2	179.2	114.1	185.5	200.8	2.3	9.9	1.2	363.3	391.5	349.7	13.7
SMDH 00036	814439.19	8193866.40	163.05	16.0	17.0	90.0	5592.9	3.1	15.9	1523.4	34.6	668.7	76.0	218.8	139.2	226.4	245.2	2.8	11.7	1.1	386.4	407.6	376.8	9.7
SMDH 00036	814439.19	8193866.40	163.05	17.0	18.0	95.0	6011.0	3.6	15.4	1821.4	36.8	735.5	92.7	267.0	170.0	276.3	299.2	3.2	10.7	1.1	362.1	385.2	352.2	9.9
SMDH 00036	814439.19	8193866.40	163.05	18.0	18.5	90.0	6491.3	3.8	18.2	1658.6	47.8	1031.3	106.9	307.8	195.9	318.5	344.9	3.4	13.2	1.1	277.5	308.0	264.3	13.3
SMDH 00036	814439.19	8193866.40	163.05	18.5	19.0	90.0	6491.3	3.8	18.2	1658.6	47.8	1031.3	106.9	307.8	195.9	318.5	344.9	3.4	13.2	1.1	277.5	308.0	264.3	13.3
SMDH 00037	814316.80	8193860.85	164.99	0.0	1.0	20.0	3255.2	1.2	7.9	938.2	50.8	1833.2	37.3	107.3	68.3	111.1	120.3	0.9	6.4	0.3	579.4	610.4	564.7	14.7
SMDH 00037	814316.80	8193860.85	164.99	1.0	2.0	40.0	4415.9	2.0	13.5	1091.7	56.8	865.1	70.4	202.7	129.1	209.8	227.2	1.7	10.2	1.3	539.2	575.1	523.0	16.1
SMDH 00037	814316.80	8193860.85	164.99	2.0	3.0	50.0	3692.6	2.0	9.4	1117.1	22.6	584.0	50.2	144.5	92.0	149.6	162.0	1.8	6.1	1.2	224.3	237.8	218.1	6.3
SMDH 00037	814316.80	8193860.85	164.99	3.0	4.0	80.0	6063.6	3.7	12.8	2421.3	21.9	367.7	56.7	163.4	104.0	169.1	183.2	3.3	8.1	1.0	354.3	366.7	347.9	6.4
SMDH 00037	814316.80	8193860.85	164.99	4.0	5.0	80.0	6385.9	3.8	14.0	2434.1	33.6	539.5	74.3	214.1	136.3	221.6	239.9	3.4	9.2	1.0	445.3	465.1	435.1	10.1
SMDH 00037	814316.80	8193860.85	164.99	5.0	6.0	70.0	4130.2	2.4	10.1	1358.1	13.6	409.6	55.9	161.1	102.6	166.8	180.6	2.2	6.5	1.1	227.5	235.0	223.7	3.8
SMDH 00037	814316.80	8193860.85	164.99	6.0	7.0	60.0	3664.1	2.1	9.4	1140.0	12.6	364.7	49.6	143.0	91.0	148.0	160.2	1.9	6.2	1.1	198.4	205.2	194.8	3.7
SMDH 00037	814316.80	8193860.85	164.99	7.0	8.0	98.0	5985.2	3.4	15.4	1896.8	29.3	708.4	91.4	263.3	167.6	272.5	295.0	3.0	10.9	1.1	482.3	499.3	473.5	8.7
SMDH 00037	814316.80	8193860.85	164.99	8.0	9.0	90.0	3485.5	1.9	8.7	1167.7	18.8	362.9	44.7	128.6	81.9	133.1	144.1	1.7	5.7	1.1	332.3	342.3	326.0	6.3
SMDH 00037	814316.80	8193860.85	164.99	9.0	10.0	70.0	3867.5	2.0	11.7	957.0	32.8	558.3	63.5	182.8	116.4	189.2	204.9	1.8	8.7	1.0	376.8	396.1	366.8	10.0
SMDH 00037	814316.80	8193860.85	164.99	10.0	11.0	95.0	5570.9	3.0	16.7	1434.5	20.7	703.4	108.7	313.2	199.3	324.1	350.9	2.6	12.5	1.1	531.6	542.7	525.6	6.0
SMDH 00037	814316.80	8193860.85	164.99	11.0	12.0	85.0	4169.7	2.2	12.7	1048.9	23.3	370.0	63.5	182.8	116.4	189.2	204.9	2.0	9.2	1.2	311.9	325.2	304.5	7.3
SMDH 00037	814316.80	8193860.85	164.99	12.0	13.0	70.0	5265.2	2.8	16.0	1334.6	17.1	606.1	95.1	273.8	174.3	283.4	306.9	2.5	12.0	1.2	505.8	514.5	500.4	5.5
SMDH 00037	814316.80	8193860.85	164.99	13.0	14.0	80.0	3530.5	1.7	12.9	541.4	30.3	868.1	40.4	116.4	74.1	120.5	130.5	1.5	10.9	0.3	315.5	334.0	306.7	8.8
SMDH 00037	814316.80	8193860.85	164.99	14.0	14.5	70.0	5031.7	2.7	15.6	1209.4	31.2	576.2	84.1	242.2	154.2	250.7	271.5	2.4	11.6	1.2	436.9	455.3	427.9	9.0
SMDH 00037	814316.80	8193860.85	164.99	14.5	15.0	70.0	5031.7	2.7	15.6	1209.4	31.2	576.2	84.1	242.2	154.2	250.7	271.5	2.4	11.6	1.2	436.9	455.3	427.9	9.0
SMDH 00038	814196.89	8193861.06	167.12	0.0	1.0	10.0	4791.5	2.1	15.3	886.9	65.6	1748.1	68.3	196.8	125.3	203.6	220.5	1.7	12.1	1.1	532.0	575.2	515.0	17.0
SMDH 00038	814196.89	8193861.06	167.12	1.0	2.0	50.0	4297.4	1.9	12.5	1054.9	64.5	1257.1	65.5	188.7	120.1	195.3	211.4	1.6	9.4	1.1	560.4	602.5	543.9	16.5
SMDH 00038	814196.89	8193861.06	167.12	2.0	3.0	50.0	4236.2	2.1	12.1	1183.8	36.1	557.8	68.9	198.4	126.3	205.4	222.4	1.8	8.7	1.3	480.5	502.3	470.8	9.7
SMDH 00038	814196.89	8193861.06	167.12	3.0	4.0	30.0	3007.9	1.5	8.3	940.7	20.3	272.2	36.3	104.4	66.5	108.1	117.0	1.3	5.8	1.1	336.6	348.0	330.9	5.8
SMDH 00038	814196.89	8193861.06	167.12	4.0	5.0	40.0	3456.6	1.8	8.8	1201.9	19.6	221.6	42.5	122.3	77.8	126.6	137.1	1.6	5.9	1.1	348.0	359.4	343.0	5.0
SMDH 00038	814196.89	8193861.06	167.12	5.0	6.0	70.0	4190.1	2.3	9.5	1601.7	20.8	356.1	49.5	142.5	90.7	147.5	159.7	2.0	6.1	1.0	418.1	429.9	412.6	5.5
SMDH 00038	814196.89	8193861.06	167.12	6.0	7.0	50.0	3930.7	2.1	9.5	1394.2	17.1	378.6	47.7	137.5	87.5	142.3	154.1	1.9	6.3	1.1	409.3	418.7	404.4	4.9
SMDH 00038	814196.89	8193861.06	167.12	7.0	8.0	98.0	5073.3	3.0	12.9	1525.6	12.8	637.8	72.7	209.3	133.2	216.6	234.6	2.7	8.7	1.2	247.3	253.9	243.6	3.7
SMDH 00038	814196.89	8193861.06	167.12	8.0	9.0	70.0	3520.6	1.7	8.8	1318.0	18.9	270.5	27.5	79.3	50.5	82.1	88.9	1.5	6.1	1.0	474.0	484.7	469.0	5.0
SMDH 00038	814196.89	8193861.06	167.12	9.0	10.0	60.0	3531.5	1.8	7.1	1530.7	19.5	355.2	39.0	112.2	71.4	116.2	125.8	1.5	4.3	1.0	506.9	517.9	501.9	5.1
SMDH 00039	814076.24	8193864.24	169.18	0.0	1.0	20.0	5137.6	2.4	17.9	719.6	32.9	1590.2	83.4	240.3	153.0	248.7	269.3	2.0	13.9	1.7	399.4	418.2	388.6	10.8
SMDH 00039	814076.24	8193864.24	169.18	1.0	2.0	40.0	4106.1	1.9	12.6	929.3	66.6	865.3	79.8	229.8	146.2	237.8	257.5	1.6	9.2	1.5	515.9	557.4	496.1	19.8
SMDH 00039	814076.24	8193864.24	169.18	2.0	3.0	50.0	5478.6	2.8	18.0	1108.1	45.0	866.8	105.3	303.2	193.0	313.7	339.7	2.5	13.9	1.3	539.8	567.2	526.8	13.1
SMDH 00039	814076.24	8193864.24	169.18	3.0	4.0	20.0	4582.0	2.3	14.9	897.2	25.3	957.5	87.5	252.0	160.4	260.8	282.4	2.0	11.4	1.1	439.4	453.7	431.9	7.6
SMDH 00039	814076.24	8193864.24	169.18	4.0	5.0	80.0	3563.9	1.8	12.1	625.0	24.3	539.9	74.8	215.6	137.2	223.1	241.6	1.6	9.1	1.2	312.3	327.3	305.8	6.5
SMDH 00039	814076.24	8193864.24	169.18	5.0	6.0	85.0	5384.7	2.9	15.9	1381.6	58.0	732.9	80.0	230.5	146.7	238.6	258.3	2.6	12.0	1.1	513.3	548.9	496.2	17.1
SMDH 00039	814076.24	8193864.24	169.18	6.0	7.0	40.0	3876.1	2.0	9.2	1330.5	29.3	634.0	40.4	116.4	74.1	120.4	130.4	1.8	6.0	1.1	418.4	435.3	409.3	9.1
SMDH 00039	814076.24	8193864.24	169.18	7.0	8.0	50.0	4551.2	2.4	11.8	1415.4	30.7	586.1	64.9	186.8	118.9	193.3	209.3	2.2	8.2	1.3	464.0	481.7	454.4	9.6
SMDH 00039	814076.24	8193864.24	169.18	8.0	9.0	40.0	5315.2	2.8	15.2	1448.9	58.0	700.9	81.6	235.0	149.6	243.2	263.3	2.5	11.1	1.3	521.2	557.3	504.2	17.0
SMDH 00039	814076.24	8193864.24	169.18	9.0	10.0	40.0	5330.5	2.8	16.6	1255.3	77.7	657.7	91.6	263.9	168.0	273.1	295.7	2.4	12.6	1.3	569.7	618.9	547.3	22.4
SMDH 00039	814076.24	8193864.24	169.18	10.0	11.0	40.0	5359.8	2.8	16.3	1257.0	72.6	800.9	92.9	267.6	170.3	276.9	299.9	2.5	12.2	1.2	487.1	532.4	465.4	21.7
SMDH 00039	814076.24	8193864.24	169.18	11.0	12.0	50.0	5739.4	3.0	17.5	1346.8	70.2	854.0	103.7	298.8	190.2	309.2	334.8	2.7	13.2	1.3	572.7	619.0	554.7	18.0
SMDH 00039	814076.24	8193864.24	169.18	12.0	13.0	40.0	4741.9	2.5	11.9	1471.9	55.3	773.7	98.1	282.7	179.9	292.5	316.8	2.1	8.2	1.2	552.9	587.1	537.0	15.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00039	814076.24	8193864.24	169.18	13.0	14.0	80.0	5490.9	2.9	15.7	1460.0	55.5	795.2	98.2	282.8	180.0	292.6	316.9	2.6	11.7	1.1	553.0	588.1	537.9	15.1
SMDH 00039	814076.24	8193864.24	169.18	14.0	15.0	30.0	5654.5	2.9	16.5	1501.2	64.1	769.7	94.5	272.1	173.2	281.6	304.9	2.6	12.2	1.3	607.7	647.8	589.6	18.2
SMDH 00040	813954.77	8193860.78	169.78	0.0	1.0	20.0	3614.3	1.2	7.1	1473.1	61.1	1636.5	38.0	109.5	69.7	113.3	122.7	0.9	5.4	0.4	896.3	934.1	879.3	17.1
SMDH 00040	813954.77	8193860.78	169.78	1.0	2.0	40.0	5364.9	2.4	16.0	1436.5	61.3	1267.1	69.6	200.4	127.5	207.4	224.6	2.0	12.6	1.0	832.6	871.3	816.3	16.2
SMDH 00040	813954.77	8193860.78	169.78	2.0	3.0	60.0	6668.7	3.4	20.5	1731.3	51.7	875.1	93.9	270.5	172.2	280.0	303.2	3.0	15.9	1.2	782.9	814.6	768.4	14.5
SMDH 00040	813954.77	8193860.78	169.78	3.0	4.0	40.0	6197.6	3.1	17.3	1893.3	69.1	871.3	77.9	224.4	142.9	232.3	251.5	2.7	13.2	1.1	852.1	895.8	833.7	18.4
SMDH 00040	813954.77	8193860.78	169.78	4.0	5.0	70.0	4313.5	2.3	12.3	1213.9	35.2	362.3	56.6	163.0	103.7	168.6	182.6	2.1	8.8	1.2	326.3	348.5	317.1	9.2
SMDH 00040	813954.77	8193860.78	169.78	5.0	6.0	98.0	7277.2	4.1	18.8	2439.1	79.4	474.0	64.5	185.7	118.2	192.1	208.1	3.7	13.5	1.2	559.8	611.3	538.3	21.4
SMDH 00040	813954.77	8193860.78	169.78	6.0	7.0	50.0	5419.4	3.0	15.4	1475.1	21.7	701.7	88.1	253.6	161.4	262.5	284.2	2.7	11.0	1.3	360.4	372.5	353.8	6.6
SMDH 00040	813954.77	8193860.78	169.78	7.0	8.0	98.0	5726.5	3.2	14.2	1860.1	54.5	748.2	79.3	228.5	145.5	236.5	256.1	2.8	9.7	1.3	504.6	540.0	490.2	14.4
SMDH 00040	813954.77	8193860.78	169.78	8.0	9.0	95.0	5163.9	2.5	10.6	2105.4	60.7	910.3	76.3	219.7	139.9	227.4	246.2	2.1	7.1	1.1	751.1	788.1	733.6	17.5
SMDH 00040	813954.77	8193860.78	169.78	9.0	10.0	75.0	7328.9	4.0	21.6	1786.0	18.8	1298.1	171.5	494.0	314.4	511.2	553.6	3.5	16.2	1.4	529.4	538.8	523.7	5.7
SMDH 00040	813954.77	8193860.78	169.78	10.0	11.0	80.0	6925.0	3.7	18.4	2151.7	51.9	964.1	110.1	317.2	201.9	328.3	355.5	3.2	13.5	1.3	668.7	699.9	653.2	15.6
SMDH 00040	813954.77	8193860.78	169.78	11.0	12.0	80.0	6141.6	3.0	17.4	1704.5	64.7	1080.6	107.1	308.4	196.3	319.2	345.6	2.6	13.0	1.4	709.7	749.0	690.4	19.3
SMDH 00040	813954.77	8193860.78	169.78	12.0	13.0	60.0	4961.0	2.4	14.3	1394.7	65.8	687.4	85.0	244.8	155.8	253.3	274.3	2.1	10.7	1.2	615.9	658.2	598.2	17.7
SMDH 00040	813954.77	8193860.78	169.78	13.0	14.0	80.0	5864.8	2.9	17.0	1617.7	65.9	881.7	106.2	305.8	194.6	316.4	342.7	2.5	12.7	1.4	685.6	726.0	666.1	19.6
SMDH 00040	813954.77	8193860.78	169.78	14.0	14.5	50.0	3337.4	1.9	8.6	1030.7	11.5	252.4	48.5	139.6	88.9	144.5	156.5	1.7	5.4	1.4	119.1	125.1	115.5	3.6
SMDH 00040	813954.77	8193860.78	169.78	14.5	15.0	50.0	3337.4	1.9	8.6	1030.7	11.5	252.4	48.5	139.6	88.9	144.5	156.5	1.7	5.4	1.4	119.1	125.1	115.5	3.6
SMDH 00041	813837.28	8193861.85	168.67	0.0	1.0	20.0	3536.1	2.1	14.4	337.9			57.8	166.6	106.0	172.4	186.7	1.9	11.2	1.2				
SMDH 00041	813837.28	8193861.85	168.67	1.0	2.0	60.0	5182.1	2.7	17.8	1055.0	48.0	408.9	66.8	192.5	122.5	199.2	215.7	2.5	13.8	1.3	357.9	388.8	344.8	13.1
SMDH 00041	813837.28	8193861.85	168.67	2.0	3.0	30.0	6092.9	3.4	15.8	1961.6	53.2	491.6	70.2	202.1	128.6	209.1	226.5	3.1	11.1	1.3	378.9	412.3	363.6	15.2
SMDH 00041	813837.28	8193861.85	168.67	3.0	4.0	70.0	4627.8	2.4	13.4	1304.4	50.9	539.2	61.6	177.5	113.0	183.7	198.9	2.1	9.9	1.1	475.6	507.4	461.1	14.5
SMDH 00041	813837.28	8193861.85	168.67	4.0	5.0	75.0	4905.2	2.6	13.2	1529.6	59.5	512.2	70.4	202.9	129.1	209.9	227.3	2.3	9.5	1.1	526.3	562.8	508.9	17.4
SMDH 00041	813837.28	8193861.85	168.67	5.0	6.0	80.0	4805.7	2.4	15.1	1140.4	48.8	586.2	82.4	237.4	151.1	245.7	266.1	2.2	11.5	1.2	514.7	544.7	500.4	14.3
SMDH 00041	813837.28	8193861.85	168.67	6.0	7.0	60.0	4963.9	2.7	14.4	1340.7	46.8	588.6	70.2	202.1	128.6	209.1	226.5	2.4	10.6	1.1	428.1	457.3	415.0	13.2
SMDH 00041	813837.28	8193861.85	168.67	7.0	8.0	98.0	6758.2	3.9	18.8	1852.4	56.5	784.2	100.0	288.1	183.4	298.2	322.9	3.5	13.5	1.4	418.7	453.6	402.3	16.3
SMDH 00041	813837.28	8193861.85	168.67	8.0	9.0	75.0	4318.7	2.3	11.2	1380.6	55.6	458.6	54.4	156.8	99.8	162.2	175.7	2.1	7.8	1.0	397.1	432.2	381.6	15.5
SMDH 00041	813837.28	8193861.85	168.67	9.0	10.0	80.0	6627.9	3.6	18.0	1929.4	71.5	868.4	98.4	283.4	180.4	293.3	317.6	3.2	13.0	1.4	619.4	663.1	597.8	21.6
SMDH 00041	813837.28	8193861.85	168.67	10.0	11.0	95.0	4546.3	2.4	13.3	1195.7	45.4	654.1	72.3	208.2	132.6	215.5	233.4	2.1	9.8	1.2	459.4	487.0	445.9	13.5
SMDH 00041	813837.28	8193861.85	168.67	11.0	12.0	80.0	4930.2	2.6	14.9	1230.0	46.8	591.7	76.6	220.6	140.4	228.3	247.2	2.3	11.0	1.3	442.5	471.9	429.4	13.2
SMDH 00041	813837.28	8193861.85	168.67	12.0	13.0	75.0	5233.7	2.7	15.4	1432.2	49.4	626.5	78.0	224.6	143.0	232.4	251.7	2.4	11.5	1.2	567.2	598.1	553.5	13.7
SMDH 00041	813837.28	8193861.85	168.67	13.0	14.0	80.0	5623.6	3.0	17.7	1272.6	44.3	665.1	92.5	266.5	169.6	275.8	298.6	2.7	13.2	1.4	436.4	463.9	424.0	12.4
SMDH 00041	813837.28	8193861.85	168.67	14.0	15.0	90.0	5430.9	2.8	15.4	1488.2	36.9	903.3	83.9	241.5	153.7	249.9	270.7	2.5	11.3	1.2	563.0	584.3	551.9	11.1
SMDH 00041	813837.28	8193861.85	168.67	15.0	16.0	75.0	5115.1	2.7	14.7	1426.6	39.2	546.1	80.2	231.1	147.1	239.1	258.9	2.4	10.8	1.2	519.6	543.3	508.2	11.3
SMDH 00041	813837.28	8193861.85	168.67	16.0	17.0	95.0	5581.9	2.7	14.6	1624.1	64.4	1480.7	71.2	205.0	130.5	212.2	229.8	2.3	10.7	1.1	659.2	698.7	640.9	18.3
SMDH 00041	813837.28	8193861.85	168.67	17.0	17.5	95.0	5099.2	2.8	13.7	1535.0	31.9	590.3	70.7	203.7	129.7	210.9	228.3	2.5	9.9	1.1	424.1	442.4	414.4	9.8
SMDH 00041	813837.28	8193861.85	168.67	17.5	18.0	95.0	5099.2	2.8	13.7	1535.0	31.9	590.3	70.7	203.7	129.7	210.9	228.3	2.5	9.9	1.1	424.1	442.4	414.4	9.8
SMDH 00042	813714.28	8193864.27	164.78	0.0	1.0	10.0	4205.3	2.0	14.7	823.7	45.1	553.4	60.4	173.9	110.7	180.0	194.9	1.7	11.6	1.2	460.7	489.3	448.6	12.1
SMDH 00042	813714.28	8193864.27	164.78	1.0	2.0	10.0	4782.0	2.4	16.7	886.6	55.5	535.7	79.1	227.7	144.9	235.6	255.2	2.1	13.0	1.4	450.5	486.4	435.5	15.0
SMDH 00042	813714.28	8193864.27	164.78	2.0	3.0	25.0	7054.5	4.0	19.5	2064.5	54.1	688.5	77.9	224.4	142.8	232.2	251.4	3.7	14.3	1.2	449.7	484.8	435.1	14.7
SMDH 00042	813714.28	8193864.27	164.78	3.0	4.0	40.0	6913.2	4.1	14.4	2802.5	44.5	484.1	66.5	191.6	121.9	198.3	214.7	3.7	9.3	1.0	481.1	509.9	469.6	11.5
SMDH 00042	813714.28	8193864.27	164.78	4.0	5.0	80.0	4660.2	2.3	14.8	1089.4	66.7	527.7	78.1	225.0	143.2	232.9	252.2	2.1	11.2	1.3	503.7	547.6	486.5	17.3
SMDH 00042	813714.28	8193864.27	164.78	5.0	6.0	70.0	6191.6	3.6	15.4	2109.1	56.7	432.9	68.6	197.5	125.7	204.4	221.3	3.2	10.6	1.2	402.4	439.6	387.5	14.9
SMDH 00042	813714.28	8193864.27	164.78	6.0	7.0	90.0	6270.1	3.5	17.2	1883.3	53.7	599.9	66.8	192.5	122.5	199.2	215.7	3.2	12.5	1.2	460.2	494.1	444.6	15.5
SMDH 00042	813714.28	8193864.27	164.78	7.0	8.0	100.0	5613.0	3.1	18.1	1282.5	60.0	440.9	78.5	226.0	143.8	233.9	253.2	2.8	13.8	1.2	443.8	481.8	426.6	17.2
SMDH 00042	813714.28	8193864.27	164.78	8.0	9.0	70.0	5093.2	2.7	16.8	1081.0	60.1	503.3	76.3	219.7	139.9	227.4	246.2	2.4	12.9	1.3	454.0	492.3	436.9	17.0
SMDH 00042	813714.28	8193864.27	164.78	9.0	10.0	80.0	4685.7	2.4	15.0	1069.7	58.6	514.5	67.6	194.6	123.9	201.4	218.1	2.2	11.4	1.2	450.3	486.7	432.7	17.6
SMDH 00042	813714.28	8193864.27	164.78	10.0	11.0	70.0	4849.2	2.4	15.2	1179.5	52.2	544.6	74.4	214.1	136.3	221.6	240.0	2.2	11.5	1.3	533.6	565.7	518.5	15.2
SMDH 00042	813714.28	8193864.27	164.78	11.0	12.0	80.0	5307.0	2.7	16.9	1238.9	61.2	592.3	82.1	236.4	150.5	244.7	265.0	2.4	12.8	1.3	550.9	588.8	533.1	17.8
SMDH 00042	813714.28	8193864.27	164.78	12.0	13.0	80.0	4400.1	2.2	13.7	1091.6	47.3	452.7	64.4	185.5	118.1	192.0	207.9	2.0	10.3	1.2	458.8	488.3	445.3	13.5
SMDH 00042	813714.28	8193864.27	164.78	13.0	14.0	80.0	4561.1	2.4	14.0	1116.2	51.4	518.2	66.1	190.4	121.2	197.0	213.4	2.1	10.4	1.2	434.5	466.5	419.6	14.9
SMDH 00043	813597.02	8193860.33	161.44	0.0	1.0	10.0	3080.2	1.3	9.0	820.5	54.2	804.2	47.3	136.1	86.7	140.9	152.6	1.1	7.1	0.6	475.9	510.3	460.5	15.4
SMDH 00043	813597.02	8193860.33	161.44	1.0	2.0	20.0	4041.9	1.7	10.5	1302.2	87.9	972.3	64.1	184.5	117.4	190.9	206.7	1.4	7.9	0.9	700.8	755.1	674.4	26.4
SMDH 00043	813597.02	8193860.33	161.44	2.0	3.0	30.0	5800.0	2.8	14.9	1892.4	80.0	1095.4	83.3	240.0	152.8	248.4	268.9	2.4	11.0	1.1	860.7	910.5	837.4	23.3
SMDH 00043	813597.02	8193860.33	161.44	3.0	4.0	50.0	4198.4	2.3	12.0	1048.0	16.9	779.7	64.9	186.8	118.9	193.4	209.4	2.0	8.5	1.1	232.7	242.6	228.4	4.4
SMDH 00043	813597.02	8193860.33	161.44	4.0	5.0	60.0	4592.7	2.6	13.1	1172.3	23.6	751.9	79.2	228.0	145.2	236.0	255.6	2.3	9.5	1.1	285.3	299.5	278.6	6.7
SMDH 00043	813597.02	8193860.33	161.44	5.0	6.0	70.0	4954.9	2.7	14.8	1216.5	35.2	727.4	88.5	254.9	162.3	263.8	285.7	2.4	10.9	1.2	398.7	420.1	388.3	10.4
SMDH 00043	813597.02	8193860.33	161.44	6.0	7.0	60.0	5927.4	3.3	14.4	2022.6	55.7	656.0	81.9	235.8	150.1	244.1	264.3	2.9	9.9	1.2	490.0	525.3	474.2	15.8
SMDH 00043	813597.02	8193860.33	161.44	7.0	8.0	100.0	6811.0	3.7	20.5	1766.5	65.1	679.2	97.3	280.2	178.3	290.0	314.0	3.3	15.4	1.3	561.1	603.5	544.3	16.8
SMDH 00043	813597.02	8193860.33	161.44	8.0	9.0	100.0	6597.7	3.5	21.4	1441.5	70.3	697.4	104.8	301.8	192.1	312.3	338.2	3.2	16.5	1.3	550.3	596.5	532.1	18.2
SMDH 00043	813597.02	8193860.33	161.44	9.0	9.5	90.0	6196.7	3.2	18.1	1705.7	45.2	730.2	104.8	301.8	192.1	312.3	338.2	2.9	13.5	1.3	699.5	727.0	686.7	12.8
SMDH 00043	813597.02	8193860.33	161.44	9.5	10.0	90.0	6196.7	3.2	18.1	1705.7	45.2	730.2	104.8	301.8	192.1	312.3	338.2	2.9	13.5	1.3	699.5	727.0	686.7	12.8
SMDH 00044	813480.46	8193864.03	160.04	0.0	1.0	15.0	3792.5	1.7	10.7	1064.2	61.9	818.4	54.8	157.8	100.4	163.3	176.8	1.5	8.1	0.8	514.5	553.0	496.2	18.4
SMDH 00044	813480.46	8193864.03	160.04	1.0	2.0	10.0	4472.9	2.2	12.4	1301.2	75.9	664.3	69.2	199.2	126.8	206.1	223.2	1.9	9.0	1.2	567.8	614.8	545.0	22.8
SMDH 00044	813480.46	8193864.03	160.04	2.0	3.0	45.0	6302.1	3.6	16.1	1963.7	113.7	672.1	77.8	224.1	142.7	232.0	251.2	3.2	11.4	1.1	460.3	532.1	426.6	33.7
SMDH 00044	813480.46	8193864.03	160.04	3.0	4.0	80.0	4315.4	2.5	11.8	1185.1	42.0	517.5	62.5	179.9	114.5	186.1	201.6	2.2	8.1	1.2	238.5	264.4	226.1	12.5
SMDH 00044	813480.46	8193864.03	160.04	4.0	5.0	100.0	6837.3	3.8	21.2	1529.3	91.1	838.7	112.5	324.0	206.3	335.3	363.1	3.4	16.0	1.4	469.3	526.6	442.2	27.0
SMDH 00044	813480.46	8193864.03	160.04	5.0	6.0	100.0	5495.3	3.1	15.4	1467.1	36.1	765.6	84.3	242.9	154.6	251.4	272.2	2.8	11.1	1.2	370.2	392.5	360.0	10.2
SMDH 00044	813480.46	8193864.03	160.04	6.0	7.0	80.0	5995.7	3.4	17.1	1621.1	63.3	661.0	80.2	230.9	147.0	239.0	258.8	3.1	12.5	1.2	418.1	457.0	398.9	19.2
SMDH 00044	813480.46	8193864.03	160.04	7.0	8.0	100.0	5125.6	2.6	16.0	1213.9	52.9	660.4	83.3	240.0	152.8	248.4	269.0	2.4	12.0	1.3	518.2	550.4	502.1	16.1
SMDH 00044	813480.46	8193864.03	160.04	8.0	9.0	100.0	4552.4	2.4	13.6	1111.2	47.6	615.7	80.4	231.6	147.5	239.7	259.6	2.2	9.9	1.2	363.7	394.1	350.6	13.1
SMDH 00044	813480.46	8193864.03	160.04	9.0	9.5	15.0	5337.6	2.8	16.3	1246.5	54.5	743.6	88.5	254.9	162.3	263.8	285.7	2.5	12.1	1.4	426.1	460.2	410.5	15.6
SMDH 00044	813480.46	8193864.03	160.04	9.5	10.0	15.0	5337.6	2.8	16.3	1246.5	54.5	743.6	88.5	254.9	162.3	263.8	285.7	2.5	12.1	1.4	426.1	460.2	410.5	15.6
SMDH 00045	813357.52	8193862.87	158.88	0.0	1.0	10.0	3342.6	1.4	9.3	887.5	62.6	1023.3	70.2	202.1	128.7	209.2	226.5	1.1	7.1	0.7	483.2	522.5	465.3	17.9
SMDH 00045	813357.52	8193862.87	158.88	1.0	2.0	10.0	4278.5	2.0	10.6	1275.5	69.7	1342.3	72.3	208.1	132.5	215.4	233.2	1.6	7.7	0.9	554.5	597.7	534.2	20.3
SMDH 00045	813357.52	8193862.87	158.88	2.0	3.0	25.0	5161.4	2.3	11.7	1990.6	78.1	1052.1	51.7	148.9	94.8	154.1	166.9	1.9	8.5	0.9	891.6	939.4	867.9	23.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00045	813357.52	8193862.87	158.88	3.0	4.0	30.0	3627.3	1.8	10.4	974.0	63.0	525.0	61.0	175.5	111.7	181.7	196.7	1.6	7.6	1.0	388.3	428.8	370.7	17.6
SMDH 00045	813357.52	8193862.87	158.88	4.0	5.0	100.0	4960.9	2.7	14.1	1328.3	71.7	584.6	81.5	234.7	149.4	242.9	263.0	2.4	10.2	1.2	443.2	489.8	423.7	19.5
SMDH 00045	813357.52	8193862.87	158.88	5.0	6.0	80.0	5204.5	2.7	15.6	1266.3	96.0	668.4	96.2	277.0	176.3	286.6	310.4	2.4	11.5	1.3	470.5	533.7	444.7	25.8
SMDH 00045	813357.52	8193862.87	158.88	6.0	7.0	100.0	5313.4	2.7	15.1	1479.2	69.7	806.0	93.9	270.5	172.2	279.9	303.1	2.3	11.2	1.2	630.0	674.7	611.0	19.1
SMDH 00045	813357.52	8193862.87	158.88	7.0	8.0	100.0	6898.2	3.8	22.3	1307.6	40.2	1308.8	153.5	442.1	281.4	457.6	495.5	3.4	17.2	1.2	505.9	530.7	494.5	11.4
SMDH 00045	813357.52	8193862.87	158.88	8.0	9.0	90.0	6125.1	3.3	19.0	1311.8	45.8	1170.0	131.2	377.8	240.5	390.9	423.3	2.9	14.4	1.3	551.4	579.1	537.4	14.0
SMDH 00045	813357.52	8193862.87	158.88	9.0	10.0	80.0	6617.6	3.5	21.2	1369.3	92.8	1011.8	132.5	381.7	242.9	395.0	427.7	3.1	16.4	1.3	605.1	663.5	578.1	27.1
SMDH 00045	813357.52	8193862.87	158.88	10.0	11.0	80.0	5276.1	2.8	16.0	1289.7	64.5	611.1	93.9	270.5	172.2	279.9	303.1	2.5	11.9	1.3	436.8	477.1	417.7	19.2
SMDH 00045	813357.52	8193862.87	158.88	11.0	12.0	70.0	5095.2	2.9	11.9	1828.5	28.6	499.5	65.9	189.9	120.9	196.5	212.8	2.6	8.1	0.9	320.4	337.8	312.0	8.4
SMDH 00045	813357.52	8193862.87	158.88	12.0	13.0	50.0	4785.5	2.6	14.9	1077.6	61.5	573.8	85.4	246.1	156.6	254.7	275.8	2.3	11.2	1.1	327.9	366.9	310.4	17.5
SMDH 00046	813238.99	8193860.81	159.30	0.0	1.0	5.0	1301.9	0.6	3.9	316.7	16.9	341.7	19.2	55.3	35.2	57.2	61.9	0.5	3.0	0.2	124.9	135.2	120.1	4.9
SMDH 00046	813238.99	8193860.81	159.30	1.0	2.0	10.0	2527.1	1.3	6.6	762.3	27.7	462.0	52.0	149.9	95.4	155.1	168.0	1.1	4.8	0.5	219.7	236.4	211.4	8.3
SMDH 00046	813238.99	8193860.81	159.30	2.0	3.0	10.0	4220.2	2.0	11.6	1162.7	60.4	999.8	106.7	307.3	195.6	318.0	344.4	1.6	8.7	0.9	598.6	636.6	581.6	17.0
SMDH 00046	813238.99	8193860.81	159.30	3.0	4.0	20.0	4601.4	2.1	11.6	1509.4	61.3	1110.9	50.2	144.5	92.0	149.6	162.0	1.8	8.7	0.8	666.1	704.6	648.9	17.2
SMDH 00046	813238.99	8193860.81	159.30	4.0	5.0	20.0	5810.6	2.8	14.2	1879.2	89.2	1410.6	108.0	311.0	198.0	321.9	348.6	2.4	10.4	0.9	825.2	881.0	799.4	25.8
SMDH 00046	813238.99	8193860.81	159.30	5.0	6.0	15.0	6481.3	3.6	15.3	2327.6	69.1	536.1	99.5	286.7	182.5	296.7	321.3	3.2	10.6	1.1	852.5	895.2	833.4	19.1
SMDH 00046	813238.99	8193860.81	159.30	6.0	7.0	40.0	5981.4	4.0	16.5	1517.6	29.2	360.4	122.0	351.3	223.6	363.6	393.7	3.7	11.4	1.1	287.4	304.7	279.2	8.2
SMDH 00046	813238.99	8193860.81	159.30	7.0	8.0	40.0	5277.7	3.4	14.7	1315.9	26.1	429.8	97.6	281.1	178.9	290.9	315.0	3.1	10.1	1.2	268.2	283.6	260.7	7.4
SMDH 00046	813238.99	8193860.81	159.30	8.0	9.0	50.0	5360.4	3.2	15.8	1253.5	34.6	599.2	87.4	251.9	160.3	260.6	282.3	3.0	11.3	1.2	345.1	366.0	335.4	9.7
SMDH 00046	813238.99	8193860.81	159.30	9.0	10.0	50.0	4677.1	2.6	15.6	841.0	40.8	624.7	73.9	212.8	135.4	220.2	238.5	2.3	11.7	1.3	278.2	303.6	266.6	11.6
SMDH 00046	813238.99	8193860.81	159.30	10.0	11.0	90.0	5220.0	2.9	17.1	1043.9	68.1	550.1	79.9	230.1	146.5	238.1	257.9	2.6	12.9	1.3	344.4	386.5	324.6	19.8
SMDH 00046	813238.99	8193860.81	159.30	11.0	12.0	100.0	4782.3	2.6	15.1	1082.5	60.4	414.1	72.0	207.4	132.0	214.6	232.4	2.3	11.1	1.4	356.3	393.6	338.4	17.9
SMDH 00046	813238.99	8193860.81	159.30	12.0	13.0	90.0	4790.6	2.6	15.8	998.1	55.6	455.3	79.6	229.4	146.0	237.4	257.1	2.3	12.0	1.2	399.3	433.1	382.6	16.6
SMDH 00046	813238.99	8193860.81	159.30	13.0	14.0	100.0	5034.6	2.8	16.9	959.6	46.8	481.6	89.6	258.0	164.2	267.0	289.1	2.5	12.8	1.3	353.6	382.1	339.7	14.0
SMDH 00047	813118.91	8193864.37	158.79	0.0	1.0	10.0	2559.3	1.2	7.8	602.4	31.7	674.7	42.5	122.4	77.9	126.6	137.1	1.0	6.0	0.6	316.8	335.6	306.4	10.4
SMDH 00047	813118.91	8193864.37	158.79	1.0	2.0	20.0	4033.5	2.1	10.3	1292.0	42.6	726.5	51.2	147.6	93.9	152.7	165.4	1.8	7.5	0.8	462.9	489.5	451.1	11.8
SMDH 00047	813118.91	8193864.37	158.79	2.0	3.0	20.0	4274.2	2.0	12.8	1225.4	41.3	611.5	45.4	130.7	83.2	135.3	146.5	1.8	10.1	0.8	614.7	639.4	602.7	12.0
SMDH 00047	813118.91	8193864.37	158.79	3.0	4.0	40.0	5081.9	2.9	17.6	884.0	31.5	444.5	81.1	233.7	148.7	241.8	261.8	2.7	13.4	1.3	280.5	300.4	271.8	8.7
SMDH 00047	813118.91	8193864.37	158.79	4.0	5.0	80.0	5474.1	3.3	16.5	1338.2	30.9	460.4	71.7	206.5	131.4	213.7	231.4	3.0	12.1	1.1	272.3	291.5	263.8	8.5
SMDH 00047	813118.91	8193864.37	158.79	5.0	6.0	100.0	6973.1	4.4	16.8	2335.2	33.0	530.6	74.8	215.5	137.2	223.0	241.5	4.0	11.3	1.1	299.7	319.7	290.2	9.4
SMDH 00047	813118.91	8193864.37	158.79	6.0	7.0	100.0	4012.0	2.2	12.4	975.5	28.1	289.3	57.5	165.7	105.5	171.5	185.7	2.0	9.0	1.2	276.8	293.9	268.9	7.9
SMDH 00047	813118.91	8193864.37	158.79	7.0	8.0	100.0	5325.8	3.0	17.2	1114.7	60.5	499.2	89.2	256.9	163.6	265.9	287.9	2.7	13.0	1.3	380.8	419.6	363.8	17.0
SMDH 00047	813118.91	8193864.37	158.79	8.0	9.0	80.0	4175.9	2.3	13.7	863.0	29.8	411.9	73.5	211.7	134.7	219.1	237.2	2.0	10.3	1.2	282.7	301.0	274.5	8.2
SMDH 00047	813118.91	8193864.37	158.79	9.0	10.0	100.0	4912.6	2.9	15.4	1008.8	34.8	513.0	116.4	335.4	213.5	347.1	375.8	2.6	11.3	1.2	310.9	331.9	300.8	10.1
SMDH 00047	813118.91	8193864.37	158.79	10.0	11.0	60.0	4588.8	2.6	13.9	999.4	25.8	675.6	104.4	300.7	191.4	311.2	337.0	2.3	10.1	1.2	311.1	326.8	304.2	6.9
SMDH 00048	812995.11	8193863.97	160.07	0.0	1.0	20.0	4578.7	2.1	16.2	775.4	42.6	919.8	63.8	183.7	116.9	190.1	205.9	1.9	12.7	1.3	430.3	457.2	418.6	11.7
SMDH 00048	812995.11	8193863.97	160.07	1.0	2.0	20.0	7176.1	4.3	16.0	2732.7	40.8	491.0	60.5	174.2	110.9	180.3	195.2	3.9	10.6	1.2	354.0	380.4	343.3	10.8
SMDH 00048	812995.11	8193863.97	160.07	2.0	3.0	40.0	6900.1	4.9	13.8	2608.3	31.7	327.6	51.6	148.7	94.7	153.9	166.7	4.5	8.0	0.9	191.0	210.9	182.8	8.2
SMDH 00048	812995.11	8193863.97	160.07	3.0	4.0	70.0	5765.3	3.7	15.3	1625.9	42.5	468.8	60.3	173.5	110.5	179.6	194.5	3.4	10.5	1.1	254.2	280.7	242.3	11.9
SMDH 00048	812995.11	8193863.97	160.07	4.0	5.0	90.0	6332.9	4.0	15.0	2060.1	80.0	533.6	58.0	167.2	106.4	173.0	187.3	3.7	9.9	1.1	400.4	449.6	376.8	23.6
SMDH 00048	812995.11	8193863.97	160.07	5.0	6.0	80.0	5696.5	3.3	17.5	1362.0	47.6	571.7	64.1	184.7	117.5	191.1	206.9	3.0	13.2	1.0	342.5	371.9	328.6	13.9
SMDH 00048	812995.11	8193863.97	160.07	6.0	7.0	98.0	6451.8	3.6	22.1	1202.7	41.5	659.6	83.6	240.9	153.3	249.3	269.9	3.3	17.1	1.4	346.1	371.4	333.8	12.3
SMDH 00048	812995.11	8193863.97	160.07	7.0	8.0	95.0	5812.2	3.1	18.8	1277.1	38.0	691.2	85.7	246.8	157.1	255.4	276.6	2.8	14.4	1.2	394.9	417.6	383.6	11.3
SMDH 00048	812995.11	8193863.97	160.07	8.0	9.0	85.0	4931.8	2.6	14.6	1257.6	24.8	709.9	67.9	195.6	124.5	202.4	219.2	2.4	10.8	1.2	357.2	371.3	349.9	7.3
SMDH 00048	812995.11	8193863.97	160.07	9.0	10.0	80.0	4788.5	2.6	16.1	900.0	35.4	636.8	73.8	212.7	135.4	220.1	238.3	2.3	12.3	1.2	262.3	284.0	252.0	10.3
SMDH 00048	812995.11	8193863.97	160.07	10.0	11.0	90.0	4552.6	2.4	15.4	840.8	31.9	653.9	67.9	195.6	124.5	202.4	219.2	2.2	11.7	1.2	260.4	279.4	250.7	9.8
SMDH 00048	812995.11	8193863.97	160.07	11.0	11.5	70.0	5070.8	2.9	16.2	1065.1	42.8	561.2	90.4	260.5	165.8	269.6	291.9	2.6	12.2	1.2	258.8	285.1	246.3	12.5
SMDH 00048	812995.11	8193863.97	160.07	11.5	12.0	70.0	5070.8	2.9	16.2	1065.1	42.8	561.2	90.4	260.5	165.8	269.6	291.9	2.6	12.2	1.2	258.8	285.1	246.3	12.5
SMDH 00049	812870.61	8193862.42	159.07	0.0	1.0	30.0	1313.2	0.6	4.4	273.4	14.6	263.0	13.6	39.2	24.9	40.6	43.9	0.5	3.5	0.3	122.1	131.1	117.8	4.3
SMDH 00049	812870.61	8193862.42	159.07	1.0	2.0	50.0	2009.4	0.9	6.7	398.6	23.9	421.6	32.0	92.3	58.7	95.5	103.4	0.8	5.2	0.5	204.1	219.2	197.6	6.5
SMDH 00049	812870.61	8193862.42	159.07	2.0	3.0	40.0	2999.7	1.5	9.3	688.3	28.5	538.0	45.0	129.6	82.5	134.1	145.3	1.3	6.9	0.9	250.7	268.3	242.6	8.2
SMDH 00049	812870.61	8193862.42	159.07	3.0	4.0	50.0	4749.7	2.8	12.0	1460.3	13.6	364.7	51.5	148.3	94.4	153.5	166.2	2.5	7.3	2.0	81.1	88.4	77.7	3.5
SMDH 00049	812870.61	8193862.42	159.07	4.0	5.0	80.0	5266.6	3.1	13.5	1594.5	13.7	365.5	58.8	169.4	107.8	175.3	189.8	2.8	8.2	2.2	82.9	90.2	79.3	3.7
SMDH 00049	812870.61	8193862.42	159.07	5.0	6.0	80.0	5578.9	3.7	8.3	2694.6	10.0	193.4	29.3	84.4	53.7	87.4	94.6	3.4	3.6	0.9	130.0	135.2	127.2	2.8
SMDH 00049	812870.61	8193862.42	159.07	6.0	7.0	70.0	6723.9	4.6	9.2	3363.1	16.1	229.4	30.1	86.8	55.3	89.9	97.3	4.2	3.7	0.9	188.9	198.6	184.7	4.2
SMDH 00049	812870.61	8193862.42	159.07	7.0	8.0	90.0	4385.3	2.4	13.4	867.9	20.1	976.7	80.3	231.3	147.2	239.4	259.2	2.2	9.7	1.2	228.8	240.6	223.0	5.8
SMDH 00049	812870.61	8193862.42	159.07	8.0	9.0	80.0	3127.8	1.6	9.2	787.8	22.5	443.7	52.7	151.9	96.7	157.2	170.2	1.4	6.5	1.1	276.3	289.7	269.8	6.5
SMDH 00049	812870.61	8193862.42	159.07	9.0	10.0	95.0	4009.1	2.1	12.0	1000.6	29.6	479.1	64.9	186.9	119.0	193.4	209.5	1.9	8.7	1.2	357.2	375.2	348.6	8.7
SMDH 00049	812870.61	8193862.42	159.07	10.0	11.0	90.0	4351.3	2.3	12.9	1140.0	24.7	488.0	75.2	216.5	137.8	224.0	242.6	2.1	9.4	1.2	414.2	428.8	407.1	7.1
SMDH 00049	812870.61	8193862.42	159.07	11.0	12.0	98.0	4917.5	2.6	16.9	864.5	32.7	717.2	93.4	268.9	171.2	278.3	301.4	2.3	13.0	1.2	403.4	423.0	393.8	9.6
SMDH 00049	812870.61	8193862.42	159.07	12.0	13.0	60.0	4757.5	2.5	15.7	903.6	21.1	647.3	78.8	227.0	144.5	234.9	254.4	2.3	11.4	1.8	354.8	366.8	348.6	6.2
SMDH 00049	812870.61	8193862.42	159.07	13.0	14.0	70.0	4191.8	2.1	14.0	847.3	24.1	569.7	81.7	235.2	149.7	243.5	263.6	1.9	10.6	1.2	449.5	463.1	442.2	7.3
SMDH 00050	812755.82	8193866.49	159.19	0.0	1.0	20.0	3613.3	1.7	10.9	884.1	41.3	790.7	54.6	157.3	100.2	162.8	176.3	1.4	8.4	0.9	424.4	450.6	412.9	11.6
SMDH 00050	812755.82	8193866.49	159.19	1.0	2.0	40.0	5294.6	3.1	9.7	2322.9	30.3	439.9	40.6	117.0	74.5	121.1	131.1	2.8	5.6	1.0	312.5	331.2	303.9	8.6
SMDH 00050	812755.82	8193866.49	159.19	2.0	3.0	30.0	6549.9	4.1	13.0	2721.2	29.0	364.5	50.0	144.1	91.7	149.1	161.5	3.8	8.1	0.8	236.0	254.2	227.8	8.1
SMDH 00050	812755.82	8193866.49	159.19	3.0	4.0	75.0	5148.3	3.1	13.4	1581.2	33.9	487.2	59.7	172.0	109.5	178.0	192.8	2.8	9.3	1.0	253.0	274.9	243.8	9.1
SMDH 00050	812755.82	8193866.49	159.19	4.0	5.0	95.0	4826.1	2.7	14.2	1254.4	32.5	428.3	69.9	201.4	128.2	208.4	225.7	2.4	10.3	1.3	332.9	353.2	323.9	9.0
SMDH 00050	812755.82	8193866.49	159.19	5.0	6.0	98.0	5490.7	3.1	16.3	1396.3	31.6	428.8	82.7	238.2	151.6	246.5	266.9	2.9	11.7	1.5	333.2	352.8	324.3	8.9
SMDH 00050	812755.82	8193866.49	159.19	6.0	7.0	90.0	5324.7	3.1	14.5	1514.9	25.2	525.3	69.7	200.7	127.8	207.7	225.0	2.8	10.1	1.3	274.6	289.7	267.5	7.1
SMDH 00050	812755.82	8193866.49	159.19	7.0	8.0	95.0	4362.0	2.4	14.2	903.3	18.8	504.0	69.8	201.0	127.9	208.0	225.2	2.2	10.6	1.1	307.0	317.8	301.4	5.6
SMDH 00050	812755.82	8193866.49	159.19	8.0	9.0	95.0	3911.5	2.2	13.4	704.5	19.5	288.6	70.8	203.9	129.8	211.0	228.5	2.0	9.9	1.3	214.6	226.1	209.1	5.5
SMDH 00050	812755.82	8193866.49	159.19	9.0	10.0	90.0	4193.9	2.3	13.3	983.8	24.8	128.2	76.5	220.5	140.3	228.2	247.1	2.1	9.6	1.4	309.4	324.1	302.1	7.2
SMDH 00051	812640.75	8193860.24	159.57	0.0	1.0	40.0	4011.5	1.5	8.9	1542.1	57.6	1470.2	46.3	133.3	84.9	138.0	149.4	1.1	6.8	0.6	915.9	951.1	899.5	16.4
SMDH 00051	812640.75	8193860.24	159.57	1.0	2.0	30.0	3249.9	1.6	11.2	581.2	24.2	530.3	47.6	137.1	87.3	141.9	153.7	1.5	8.7	0.9	286.8	301.2	279.5	7.3
SMDH 00051	812640.75	8193860.24	159.57	2.0	3.0	60.0	8322.0	5.4	18.7	2973.0	27.5	454.3	76.8	221.1	140.7	228.8	247.7	4.9	11.8	1.6	220.4	237.6	212.5	7.9
SMDH 00051	812640.75	8193860.24	159.57	3.0	4.0	75.0	5012.1	2.8	15.4	1109.8	43.3	644.8	79.1	227.8	145.0	235.8	255.3	2.6	11.2	1.3	318.5	346.3	306.5	12.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00051	812640.75	8193860.24	159.57	4.0	5.0	98.0	6397.3	3.9	17.0	1908.3	27.5	399.7	80.3	231.3	147.2	239.4	259.2	3.6	11.6	1.5	242.3	259.4	234.5	7.8
SMDH 00051	812640.75	8193860.24	159.57	5.0	6.0	95.0	6108.7	3.7	14.9	2079.2	32.0	438.6	63.9	184.1	117.2	190.5	206.3	3.4	10.0	1.2	295.3	315.4	286.3	9.0
SMDH 00051	812640.75	8193860.24	159.57	6.0	7.0	85.0	4700.8	2.6	14.6	1057.8	26.7	563.6	81.0	233.4	148.5	241.5	261.5	2.4	10.7	1.3	357.0	373.3	349.3	7.7
SMDH 00051	812640.75	8193860.24	159.57	7.0	8.0	70.0	4643.1	2.6	14.3	1059.8	59.3	502.1	70.9	204.2	130.0	211.3	228.9	2.3	10.4	1.3	351.6	390.7	335.9	15.6
SMDH 00051	812640.75	8193860.24	159.57	8.0	9.0	90.0	4555.9	2.6	13.4	1094.6	40.5	587.9	67.5	194.5	123.8	201.3	217.9	2.3	9.5	1.3	258.1	284.2	247.0	11.1
SMDH 00051	812640.75	8193860.24	159.57	9.0	10.0	85.0	4482.2	2.4	14.7	858.7	38.9	594.3	81.9	235.8	150.1	244.1	264.3	2.2	11.0	1.3	355.5	379.8	344.6	10.9
SMDH 00052	814495.90	8193985.06	164.78	0.0	1.0	20.0	4934.1	2.4	17.5	763.9	36.5	1261.5	92.8	267.2	170.1	276.5	299.4	2.1	14.4	0.7	422.3	444.1	411.1	11.2
SMDH 00052	814495.90	8193985.06	164.78	1.0	2.0	30.0	4630.0	2.4	18.9	370.2	22.7	586.5	91.1	262.5	167.1	271.7	294.2	2.2	15.0	1.5	182.7	196.1	175.5	7.2
SMDH 00052	814495.90	8193985.06	164.78	2.0	3.0	50.0	6702.4	4.0	15.8	2359.9	45.7	682.8	51.9	149.4	95.1	154.6	167.5	3.6	10.8	0.9	325.1	354.4	312.7	12.4
SMDH 00052	814495.90	8193985.06	164.78	3.0	4.0	60.0	4318.9	2.6	10.8	1359.4	22.1	481.1	49.2	141.7	90.2	146.6	158.8	2.3	7.2	1.0	109.2	123.1	103.1	6.1
SMDH 00052	814495.90	8193985.06	164.78	4.0	5.0	70.0	6907.1	4.2	16.4	2396.5	45.3	556.4	86.5	249.1	158.6	257.8	279.2	3.8	11.3	1.0	249.1	278.3	236.5	12.6
SMDH 00052	814495.90	8193985.06	164.78	5.0	6.0	85.0	4858.1	2.9	13.3	1357.9	37.4	452.7	59.9	172.4	109.8	178.4	193.2	2.7	9.4	1.0	123.3	146.0	111.5	11.8
SMDH 00052	814495.90	8193985.06	164.78	6.0	7.0	60.0	4112.5	2.5	10.3	1243.7	28.5	517.1	40.2	115.7	73.7	119.8	129.7	2.3	6.8	1.0	72.3	90.2	64.2	8.1
SMDH 00052	814495.90	8193985.06	164.78	7.0	8.0	75.0	4586.7	2.6	13.2	1200.3	40.1	512.5	64.8	186.6	118.8	193.1	209.1	2.3	9.5	1.1	228.7	254.0	217.1	11.6
SMDH 00052	814495.90	8193985.06	164.78	8.0	9.0	60.0	5532.9	3.2	14.2	1751.3	38.0	522.0	70.4	202.9	129.1	209.9	227.3	2.9	9.9	1.2	315.0	338.3	303.9	11.0
SMDH 00052	814495.90	8193985.06	164.78	9.0	10.0	50.0	4462.2	2.5	12.1	1285.9	31.5	605.8	63.5	182.8	116.3	189.1	204.8	2.2	8.5	1.1	261.4	280.5	252.0	9.4
SMDH 00052	814495.90	8193985.06	164.78	10.0	11.0	80.0	5819.0	3.4	13.4	2130.5	39.3	480.6	61.0	175.8	111.9	181.9	197.0	3.1	8.9	1.1	354.9	379.4	343.9	10.9
SMDH 00052	814495.90	8193985.06	164.78	11.0	12.0	80.0	11280.5	7.2	25.3	4170.5	32.5	507.5	122.3	352.3	224.2	364.6	394.8	6.6	16.3	1.7	283.4	303.7	275.0	8.5
SMDH 00052	814495.90	8193985.06	164.78	12.0	13.0	60.0	4982.5	2.9	14.1	1352.4	31.1	515.4	68.4	197.1	125.5	204.0	220.9	2.6	10.3	1.0	259.8	278.8	250.6	9.2
SMDH 00052	814495.90	8193985.06	164.78	13.0	14.0	50.0	6340.1	3.7	18.2	1709.9	38.6	516.2	87.2	251.1	159.9	259.9	281.5	3.4	13.2	1.3	335.1	359.4	324.7	10.4
SMDH 00052	814495.90	8193985.06	164.78	14.0	15.0	70.0	6714.9	4.0	19.9	1626.8	30.1	751.9	106.5	306.8	195.3	317.5	343.9	3.6	14.4	1.5	307.0	324.5	297.9	9.1
SMDH 00052	814495.90	8193985.06	164.78	15.0	16.0	85.0	6803.9	4.0	21.6	1496.6	27.2	571.6	101.7	293.0	186.5	303.2	328.4	3.7	16.1	1.5	285.7	301.7	278.0	7.7
SMDH 00052	814495.90	8193985.06	164.78	16.0	17.0	85.0	6549.8	3.9	20.3	1495.3	25.5	579.3	94.9	273.4	174.1	283.0	306.4	3.6	15.1	1.4	273.3	288.2	265.7	7.6
SMDH 00052	814495.90	8193985.06	164.78	17.0	18.0	80.0	6868.2	4.1	21.3	1574.9	27.3	624.8	90.8	261.4	166.4	270.6	293.0	3.7	15.8	1.4	291.6	308.1	284.0	7.6
SMDH 00052	814495.90	8193985.06	164.78	18.0	19.0	75.0	6527.7	3.9	19.9	1560.1	25.7	473.1	96.4	277.7	176.8	287.4	311.2	3.6	14.6	1.4	253.3	268.6	245.6	7.7
SMDH 00052	814495.90	8193985.06	164.78	19.0	20.0	80.0	5806.2	3.5	17.9	1268.6	22.5	592.0	84.8	244.3	155.5	252.8	273.8	3.2	13.1	1.3	202.0	215.4	195.7	6.3
SMDH 00052	814495.90	8193985.06	164.78	20.0	21.0	90.0	6849.7	4.1	22.4	1342.3	25.7	663.7	112.8	324.9	206.8	336.2	364.1	3.7	16.7	1.6	333.4	348.8	326.3	7.1
SMDH 00052	814495.90	8193985.06	164.78	21.0	21.5	70.0	4920.9	2.8	15.5	1052.5	38.6	628.6	62.3	179.4	114.2	185.7	201.0	2.5	11.5	1.2	296.5	320.0	284.5	11.9
SMDH 00052	814495.90	8193985.06	164.78	21.5	22.0	70.0	4920.9	2.8	15.5	1052.5	38.6	628.6	62.3	179.4	114.2	185.7	201.0	2.5	11.5	1.2	296.5	320.0	284.5	11.9
SMDH 00053	814379.78	8193987.63	163.88	0.0	1.0	75.0	4014.6	1.8	12.5	870.5	52.7	1401.6	59.2	170.5	108.5	176.4	191.0	1.4	10.3	0.5	525.8	558.8	511.0	14.8
SMDH 00053	814379.78	8193987.63	163.88	1.0	2.0	30.0	4435.8	2.2	17.0	557.1	32.5	897.6	52.4	151.0	96.1	156.2	169.2	2.0	14.1	0.7	323.6	343.6	314.2	9.3
SMDH 00053	814379.78	8193987.63	163.88	2.0	3.0	43.0	3852.0	1.8	13.2	728.9	40.7	668.3	70.0	201.5	128.3	208.5	225.8	1.6	10.3	1.1	417.7	443.1	406.1	11.5
SMDH 00053	814379.78	8193987.63	163.88	3.0	4.0	50.0	5563.6	3.1	15.0	1646.3	52.0	680.3	75.1	216.3	137.7	223.8	242.4	2.8	10.7	1.2	399.4	432.9	385.5	13.9
SMDH 00053	814379.78	8193987.63	163.88	4.0	5.0	50.0	7256.8	4.5	15.7	2772.1	27.6	501.7	66.2	190.7	121.4	197.3	213.7	4.1	10.0	1.1	260.1	277.7	252.6	7.5
SMDH 00053	814379.78	8193987.63	163.88	5.0	6.0	40.0	7100.9	4.6	15.0	2675.6	12.6	438.1	67.6	194.8	124.0	201.6	218.3	4.3	9.2	1.2	83.9	91.4	80.1	3.8
SMDH 00053	814379.78	8193987.63	163.88	6.0	7.0	50.0	7002.9	4.5	17.7	2073.6	12.0	750.8	95.0	273.5	174.1	283.1	306.6	4.1	11.8	1.4	58.6	65.7	55.4	3.2
SMDH 00053	814379.78	8193987.63	163.88	7.0	8.0	85.0	5913.3	3.6	14.6	1910.6	36.1	650.1	68.0	195.7	124.6	202.5	219.3	3.2	10.0	1.0	317.6	340.1	307.4	10.2
SMDH 00053	814379.78	8193987.63	163.88	8.0	9.0	50.0	6121.0	3.6	17.9	1483.9	49.3	816.5	84.7	243.8	155.2	252.3	273.2	3.3	13.1	1.2	259.3	290.7	245.2	14.1
SMDH 00053	814379.78	8193987.63	163.88	9.0	10.0	60.0	5303.2	3.0	14.2	1550.2	58.5	663.9	71.8	206.9	131.7	214.2	231.9	2.7	10.1	1.1	385.4	422.0	369.0	16.4
SMDH 00053	814379.78	8193987.63	163.88	10.0	11.0	80.0	4862.7	2.8	13.8	1247.7	48.2	674.9	75.1	216.4	137.7	223.9	242.5	2.5	10.0	1.1	299.7	330.4	286.3	13.4
SMDH 00053	814379.78	8193987.63	163.88	11.0	12.0	80.0	4468.6	2.8	12.9	1015.1	11.3	646.8	84.4	243.1	154.8	251.6	272.4	2.5	9.0	1.1	75.7	82.1	72.2	3.6
SMDH 00053	814379.78	8193987.63	163.88	12.0	13.0	80.0	4158.7	2.3	12.0	1066.1	37.5	552.8	63.8	183.7	116.9	190.1	205.9	2.1	8.7	1.0	274.4	297.9	263.6	10.8
SMDH 00053	814379.78	8193987.63	163.88	13.0	14.0	75.0	4876.5	2.6	15.0	1135.9	42.0	670.9	80.3	231.4	147.3	239.5	259.3	2.4	11.2	1.1	379.5	406.4	368.1	11.4
SMDH 00053	814379.78	8193987.63	163.88	14.0	15.0	70.0	5406.6	3.0	16.6	1265.9	45.8	632.9	83.5	240.4	153.1	248.8	269.5	2.7	12.3	1.3	332.0	360.9	319.0	13.0
SMDH 00053	814379.78	8193987.63	163.88	15.0	16.0	70.0	4503.9	2.5	13.4	1082.5	33.8	580.5	72.1	207.7	132.2	215.0	232.8	2.3	9.7	1.1	249.1	270.4	239.6	9.5
SMDH 00053	814379.78	8193987.63	163.88	16.0	17.0	80.0	4259.9	2.2	12.1	1202.1	64.1	505.9	66.1	190.4	121.2	197.0	213.4	1.9	8.8	1.1	428.9	469.0	410.0	18.8
SMDH 00053	814379.78	8193987.63	163.88	17.0	18.0	75.0	5508.6	3.1	17.7	1176.1	39.4	613.4	82.3	236.9	150.8	245.2	265.5	2.8	13.4	1.1	332.9	357.3	321.4	11.5
SMDH 00053	814379.78	8193987.63	163.88	18.0	19.0	80.0	6402.8	3.7	18.8	1670.5	58.5	616.5	80.0	230.4	146.7	238.4	258.2	3.3	14.0	1.1	386.9	424.1	370.7	16.2
SMDH 00053	814379.78	8193987.63	163.88	19.0	20.0	98.0	4951.6	2.8	15.3	1151.1	45.9	584.4	77.8	224.0	142.6	231.8	251.0	2.5	11.5	1.0	316.5	344.9	303.0	13.5
SMDH 00053	814379.78	8193987.63	163.88	20.0	20.5	98.0	5345.4	3.0	17.0	1149.7	51.1	572.8	79.8	229.8	146.2	237.8	257.5	2.8	12.9	1.1	316.8	348.8	302.2	14.6
SMDH 00053	814379.78	8193987.63	163.88	20.5	21.0	98.0	5345.4	3.0	17.0	1149.7	51.1	572.8	79.8	229.8	146.2	237.8	257.5	2.8	12.9	1.1	316.8	348.8	302.2	14.6
SMDH 00054	814258.11	8193993.60	164.41	0.0	1.0	60.0	2679.7	1.1	8.2	611.0	44.4	946.8	49.8	143.4	91.3	148.4	160.7	0.9	6.8	0.3	388.5	416.1	375.7	12.8
SMDH 00054	814258.11	8193993.60	164.41	1.0	2.0	75.0	3555.8	1.9	13.7	407.6	36.8	398.0	68.9	198.5	126.4	205.5	222.5	1.7	11.0	0.9	181.1	204.8	171.0	10.2
SMDH 00054	814258.11	8193993.60	164.41	2.0	3.0	75.0	5209.1	2.5	17.8	1091.5	54.6	777.1	66.6	191.7	122.1	198.4	214.9	2.2	14.3	1.0	554.9	588.1	538.5	16.3
SMDH 00054	814258.11	8193993.60	164.41	3.0	4.0	70.0	5822.7	3.1	18.1	1309.0	59.4	884.6	100.5	289.3	184.2	299.4	324.2	2.7	13.6	1.4	516.6	551.2	497.8	18.8
SMDH 00054	814258.11	8193993.60	164.41	4.0	5.0	85.0	4812.2	2.5	12.7	1536.5	33.8	527.9	66.7	192.0	122.2	198.7	215.1	2.2	9.0	1.2	513.7	533.6	503.9	9.8
SMDH 00054	814258.11	8193993.60	164.41	5.0	6.0	98.0	5340.3	3.0	14.7	1524.7	40.1	642.7	76.5	220.3	140.2	228.0	246.9	2.7	10.6	1.1	430.9	455.2	419.4	11.5
SMDH 00054	814258.11	8193993.60	164.41	6.0	7.0	60.0	4998.3	2.8	14.9	1286.6	41.3	479.0	81.5	234.8	149.4	243.0	263.1	2.5	11.2	1.0	460.4	483.6	446.3	14.1
SMDH 00054	814258.11	8193993.60	164.41	7.0	8.0	75.0	3936.4	2.0	13.5	703.6	32.1	501.6	77.3	222.7	141.8	230.5	249.6	1.8	10.4	1.1	318.7	337.0	308.1	10.5
SMDH 00054	814258.11	8193993.60	164.41	8.0	9.0	80.0	5399.9	2.9	17.2	1176.6	48.6	679.7	92.0	264.9	168.6	274.1	296.8	2.6	13.1	1.2	494.6	522.3	478.3	16.3
SMDH 00054	814258.11	8193993.60	164.41	9.0	10.0	75.0	5823.8	3.4	16.9	1466.4	46.0	671.4	83.6	240.8	153.3	249.2	269.9	3.1	12.2	1.2	426.2	452.2	410.4	15.8
SMDH 00054	814258.11	8193993.60	164.41	10.0	11.0	95.0	4701.8	2.6	14.7	1068.5	34.7	541.9	78.8	227.0	144.5	235.0	254.4	2.3	11.0	1.2	346.4	366.1	334.6	11.9
SMDH 00054	814258.11	8193993.60	164.41	11.0	12.0	98.0	5219.0	2.8	16.4	1228.5	36.5	582.7	93.2	268.3	170.8	277.7	300.7	2.5	12.4	1.2	520.6	540.8	508.3	12.3
SMDH 00054	814258.11	8193993.60	164.41	12.0	13.0	70.0	6448.0	3.4	20.4	1270.5	44.1	1576.5	106.9	307.9	196.0	318.6	345.0	3.0	15.8	1.2	559.4	584.4	544.7	14.7
SMDH 00054	814258.11	8193993.60	164.41	13.0	14.0	98.0	5842.1	3.1	18.1	1369.4	76.1	767.4	101.3	291.8	185.8	302.0	327.0	2.7	13.8	1.3	584.0	629.4	560.3	23.7
SMDH 00054	814258.11	8193993.60	164.41	14.0	15.0	95.0	5441.7	2.9	16.4	1398.2	26.0	638.6	97.1	279.5	177.9	289.3	313.3	2.6	12.3	1.2	590.9	604.4	582.2	8.7
SMDH 00054	814258.11	8193993.60	164.41	15.0	15.5	50.0	4631.4	2.5	12.9	1250.6	23.4	727.3	80.3	231.2	147.2	239.2	259.1	2.2	9.2	1.1	475.2	487.4	467.4	7.8
SMDH 00054	814258.11	8193993.60	164.41	15.5	16.0	50.0	4631.4	2.5	12.9	1250.6	23.4	727.3	80.3	231.2	147.2	239.2	259.1	2.2	9.2	1.1	475.2	487.4	467.4	7.8
SMDH 00055	814138.99	8193975.66	166.55	0.0	1.0	40.0	2417.3	0.8	4.7	801.9	51.6	1644.2	46.3	133.3	84.8	137.9	149.4	0.5	3.7	0.2	507.5	539.1	492.3	15.3
SMDH 00055	814138.99	8193975.66	166.55	1.0	2.0	60.0	4594.1	2.1	16.1	755.1	50.7	1043.1	87.0	250.4	159.4	259.2	280.7	1.8	12.9	1.1	446.1	477.4	431.0	15.1
SMDH 00055	814138.99	8193975.66	166.55	2.0	3.0	75.0	4009.9	1.9	14.2	748.4	56.8	433.2	66.2	190.7	121.4	197.3	213.7	1.7	11.2	1.1	399.1	436.4	383.8	15.4
SMDH 00055	814138.99	8193975.66	166.55	3.0	4.0	75.0	4113.3	2.2	10.4	1419.5	24.5	403.9	51.9	149.4	95.1	154.6	167.5	1.9	7.4	0.9	389.2	403.5	381.9	7.3
SMDH 00055	814138.99	8193975.66	166.55	4.0	5.0	85.0	7068.2	4.4	13.6	2995.7	33.1	491.7	54.1	155.9	99.3	161.4	174.7	4.0	8.3	0.9	388.7	408.9	378.9	9.8
SMDH 00055	814138.99	8193975.66	166.55	5.0	6.0	95.0	5219.4	2.9	13.7	1701.9	34.1	468.7	61.1	176.1	112.1	182.2	197.3	2.6	9.8	1.1	498.1	518.9	488.4	9.6
SMDH 00055	814138.99	8193975.66	166.55	6.0	7.0	80.0	3461.5	1.7	9.4	1100.6	26.0	316.0	38.2	109.9	69.9	113.7	123.1	1.5	6.6	1.1	426.0	441.3	418.3	7.8
SMDH 00055	814138.99	8193975.66	166.55	7.0	8.0	90.0	4587.4	2.6	12.7	1340.7	40.3	370.4	53.3	153.5	97.7	158.9	172.0	2.4	9.1	1.0	341.9	367.5	330.6	11.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00055	814138.99	8193975.66	166.55	8.0	9.0	95.0	5189.2	2.8	15.1	1466.3	43.2	420.7	62.8	181.0	115.2	187.3	202.8	2.6	11.2	1.1	424.8	451.3	411.8	13.0
SMDH 00055	814138.99	8193975.66	166.55	9.0	10.0	85.0	5580.0	3.1	16.5	1437.2	28.0	522.2	79.8	229.7	146.2	237.7	257.4	2.9	12.0	1.4	341.1	357.9	333.1	7.9
SMDH 00055	814138.99	8193975.66	166.55	10.0	11.0	95.0	3837.8	2.0	10.8	1098.8	25.2	373.6	66.6	191.7	122.0	198.4	214.8	1.8	7.7	1.1	351.3	366.4	343.8	7.5
SMDH 00055	814138.99	8193975.66	166.55	11.0	12.0	90.0	4928.1	2.6	13.3	1481.5	49.2	640.3	68.5	197.2	125.6	204.1	221.0	2.3	9.5	1.1	469.6	500.3	455.7	13.9
SMDH 00055	814138.99	8193975.66	166.55	12.0	13.0	80.0	4656.0	2.4	13.1	1364.8	41.2	543.2	63.0	181.4	115.5	187.7	203.3	2.2	9.7	1.0	505.0	529.8	492.8	12.2
SMDH 00055	814138.99	8193975.66	166.55	13.0	14.0	95.0	4441.9	2.3	11.6	1435.5	32.2	572.2	54.1	155.7	99.1	161.1	174.5	2.0	8.3	1.0	498.2	516.9	488.3	9.8
SMDH 00055	814138.99	8193975.66	166.55	14.0	15.0	95.0	5472.8	3.1	16.4	1366.1	31.6	560.7	119.7	344.7	219.4	356.7	386.2	2.7	12.3	1.0	365.0	383.7	355.4	9.6
SMDH 00055	814138.99	8193975.66	166.55	15.0	16.0	95.0	4047.6	2.2	10.8	1268.4	33.9	395.9	51.8	149.2	95.0	154.4	167.2	1.9	7.6	1.1	385.2	405.0	374.7	10.5
SMDH 00055	814138.99	8193975.66	166.55	16.0	16.5	98.0	3979.6	1.6	10.7	930.7	51.1	2295.8	43.8	126.0	80.2	130.4	141.2	1.2	8.7	0.5	603.5	633.5	587.5	16.0
SMDH 00055	814138.99	8193975.66	166.55	16.5	17.0	98.0	3979.6	1.6	10.7	930.7	51.1	2295.8	43.8	126.0	80.2	130.4	141.2	1.2	8.7	0.5	603.5	633.5	587.5	16.0
SMDH 00056	814014.55	8193985.75	168.38	0.0	1.0	20.0	5382.8	2.5	20.4	708.9	41.0	1008.7	71.9	207.1	131.8	214.3	232.1	2.2	16.3	1.6	454.5	478.7	441.7	12.8
SMDH 00056	814014.55	8193985.75	168.38	1.0	2.0	40.0	4965.4	2.1	15.4	1198.0	80.8	1079.2	78.2	225.2	143.4	233.1	252.4	1.8	12.0	1.3	710.1	758.9	684.9	25.2
SMDH 00056	814014.55	8193985.75	168.38	2.0	3.0	75.0	5187.3	2.7	13.5	1659.7	61.2	707.8	70.4	202.7	129.1	209.8	227.2	2.4	9.8	1.0	470.1	507.3	451.4	18.7
SMDH 00056	814014.55	8193985.75	168.38	3.0	4.0	60.0	4681.6	2.6	11.2	1666.1	28.6	472.6	56.6	162.9	103.7	168.6	182.6	2.3	7.6	1.0	436.2	453.4	428.2	8.1
SMDH 00056	814014.55	8193985.75	168.38	4.0	5.0	90.0	5909.9	3.1	16.4	1735.5	64.6	706.4	87.0	250.6	159.5	259.3	280.8	2.8	12.2	1.1	514.4	553.5	494.5	19.8
SMDH 00056	814014.55	8193985.75	168.38	5.0	6.0	95.0	6265.9	3.4	15.8	2042.3	69.4	867.7	92.0	265.0	168.7	274.3	297.0	3.0	11.4	1.1	495.2	540.0	476.0	19.2
SMDH 00056	814014.55	8193985.75	168.38	6.0	7.0	50.0	4991.1	2.6	13.5	1499.3	58.1	746.6	83.8	241.4	153.7	249.8	270.5	2.2	9.8	1.1	469.2	506.0	452.6	16.6
SMDH 00056	814014.55	8193985.75	168.38	7.0	8.0	90.0	5437.4	2.9	14.7	1644.3	55.4	728.4	83.3	239.9	152.7	248.2	268.8	2.5	10.7	1.1	457.5	492.4	441.7	15.8
SMDH 00056	814014.55	8193985.75	168.38	8.0	9.0	85.0	4160.3	2.2	11.9	1074.8	24.9	710.4	74.8	215.4	137.1	223.0	241.4	1.9	8.5	1.2	287.9	302.9	280.7	7.2
SMDH 00056	814014.55	8193985.75	168.38	9.0	10.0	80.0	4131.6	2.4	10.2	1313.4	17.3	501.9	69.1	199.0	126.6	205.9	223.0	2.1	6.7	1.1	215.5	225.5	210.4	5.2
SMDH 00056	814014.55	8193985.75	168.38	10.0	11.0	85.0	5033.1	2.9	14.6	1262.6	21.0	707.7	82.7	238.3	151.7	246.6	267.0	2.6	10.6	1.1	247.9	260.4	242.0	5.9
SMDH 00056	814014.55	8193985.75	168.38	11.0	12.0	85.0	5605.8	2.9	16.9	1387.3	48.1	923.8	95.0	273.7	174.2	283.2	306.7	2.5	12.9	1.1	540.4	570.1	526.5	13.9
SMDH 00056	814014.55	8193985.75	168.38	12.0	13.0	80.0	5385.2	2.8	16.3	1342.4	64.4	702.5	92.6	266.6	169.7	275.9	298.7	2.5	12.3	1.2	509.2	550.3	491.2	18.0
SMDH 00056	814014.55	8193985.75	168.38	13.0	14.0	90.0	4117.3	2.1	12.0	1120.2	50.4	525.1	66.5	191.4	121.8	198.1	214.5	1.9	9.0	0.8	429.9	460.2	414.2	15.7
SMDH 00056	814014.55	8193985.75	168.38	14.0	15.0	90.0	5288.2	3.2	13.1	1736.6	28.1	393.1	69.6	200.6	127.7	207.6	224.8	2.9	8.9	1.0	344.1	361.1	335.9	8.2
SMDH 00056	814014.55	8193985.75	168.38	15.0	16.0	80.0	4844.1	2.6	13.6	1300.7	46.7	744.7	78.4	225.8	143.8	233.7	253.1	2.3	9.8	1.2	447.8	476.5	434.2	13.6
SMDH 00056	814014.55	8193985.75	168.38	16.0	17.0	90.0	5546.7	3.0	15.9	1464.4	54.4	806.6	87.3	251.5	160.1	260.3	281.9	2.7	11.6	1.2	472.9	507.9	458.0	14.9
SMDH 00056	814014.55	8193985.75	168.38	17.0	18.0	85.0	4962.5	2.6	14.3	1334.1	54.2	609.4	77.9	224.3	142.7	232.1	251.3	2.4	10.4	1.2	451.9	487.2	437.3	14.6
SMDH 00056	814014.55	8193985.75	168.38	18.0	19.0	85.0	5060.6	2.7	14.5	1334.4	49.4	709.0	78.1	225.1	143.3	232.9	252.2	2.4	10.6	1.3	429.0	460.6	415.0	14.1
SMDH 00056	814014.55	8193985.75	168.38	19.0	20.0	90.0	4913.4	2.5	15.6	1116.8	42.2	659.2	80.1	230.6	146.8	238.7	258.5	2.3	11.8	1.2	417.2	443.6	405.1	12.1
SMDH 00057	813897.56	8193984.94	168.19	0.0	1.0	20.0	3762.0	1.9	13.3	589.1	42.4	922.2	48.4	139.4	88.7	144.2	156.2	1.6	10.8	0.6	308.9	335.8	296.6	12.4
SMDH 00057	813897.56	8193984.94	168.19	1.0	2.0	40.0	5028.9	2.9	13.5	1487.3	41.3	454.6	68.1	196.2	124.9	203.1	219.9	2.6	9.5	1.2	381.8	407.4	370.1	11.7
SMDH 00057	813897.56	8193984.94	168.19	2.0	3.0	75.0	6470.0	3.4	21.1	1296.6	89.4	995.2	123.5	355.6	226.4	368.0	398.5	3.0	16.3	1.4	624.1	679.2	597.4	26.7
SMDH 00057	813897.56	8193984.94	168.19	3.0	4.0	80.0	5797.4	3.3	16.5	1554.3	46.8	724.6	91.5	263.6	167.8	272.8	295.4	2.9	12.0	1.2	456.2	484.7	442.7	13.5
SMDH 00057	813897.56	8193984.94	168.19	4.0	5.0	85.0	5973.9	3.2	18.9	1310.5	46.7	968.0	112.9	325.3	207.0	336.6	364.5	2.8	14.5	1.2	586.7	614.9	573.4	13.4
SMDH 00057	813897.56	8193984.94	168.19	5.0	6.0	80.0	6113.7	3.1	18.2	1591.5	80.6	853.0	98.7	284.1	180.9	294.0	318.4	2.8	13.7	1.3	689.1	738.7	665.6	23.6
SMDH 00057	813897.56	8193984.94	168.19	6.0	7.0	80.0	6094.5	3.2	18.2	1523.7	74.8	783.8	94.8	273.1	173.9	282.7	306.1	2.9	13.6	1.4	586.2	632.5	564.4	21.7
SMDH 00057	813897.56	8193984.94	168.19	7.0	8.0	90.0	6181.3	3.3	20.0	1240.2	90.7	986.7	112.9	325.0	206.9	336.4	364.3	2.9	15.6	1.1	540.9	598.0	514.8	26.1
SMDH 00057	813897.56	8193984.94	168.19	8.0	9.0	98.0	6299.0	3.2	18.3	1662.8	97.9	882.3	105.8	304.6	193.9	315.3	341.4	2.9	13.7	1.4	734.3	794.5	705.4	28.9
SMDH 00057	813897.56	8193984.94	168.19	9.0	10.0	85.0	7673.1	4.2	23.1	1827.3	89.1	1087.7	136.0	391.6	249.3	405.3	438.8	3.8	17.4	1.5	695.4	750.3	669.3	26.1
SMDH 00057	813897.56	8193984.94	168.19	10.0	11.0	90.0	5017.8	2.7	13.3	1545.4	41.6	588.7	68.3	196.7	125.2	203.6	220.4	2.4	9.3	1.4	480.0	504.6	467.8	12.1
SMDH 00057	813897.56	8193984.94	168.19	11.0	12.0	98.0	5184.2	2.6	14.2	1520.2	53.0	793.3	91.4	263.1	167.5	272.3	294.9	2.3	10.3	1.3	674.5	706.4	659.0	15.5
SMDH 00057	813897.56	8193984.94	168.19	12.0	13.0	85.0	6007.7	3.4	19.7	1094.5	55.3	876.0	109.6	315.6	200.9	326.7	353.7	3.1	14.9	1.3	326.4	360.2	310.0	16.4
SMDH 00057	813897.56	8193984.94	168.19	13.0	14.0	90.0	5316.8	3.0	16.0	1218.8	25.2	786.8	99.8	287.4	183.0	297.5	322.1	2.7	11.7	1.3	392.8	407.7	386.0	6.8
SMDH 00058	813777.81	8193986.50	165.81	0.0	1.0	10.0	4376.5	1.9	13.5	1047.9	60.6	1023.2	66.1	190.3	121.2	197.0	213.3	1.6	10.4	1.3	604.7	642.9	587.6	17.1
SMDH 00058	813777.81	8193986.50	165.81	1.0	2.0	40.0	5026.7	2.7	15.4	1214.5	42.5	580.0	84.3	242.8	154.6	251.3	272.1	2.4	11.4	1.3	414.2	440.3	402.2	12.0
SMDH 00058	813777.81	8193986.50	165.81	2.0	3.0	70.0	5221.2	2.7	17.6	997.7	64.2	626.3	89.2	256.9	163.5	265.8	287.9	2.4	13.4	1.5	449.8	489.9	431.2	18.5
SMDH 00058	813777.81	8193986.50	165.81	3.0	4.0	85.0	5064.9	2.6	14.2	1390.9	79.0	813.1	78.5	226.1	143.9	234.0	253.4	2.3	10.4	1.3	536.8	585.8	513.1	23.7
SMDH 00058	813777.81	8193986.50	165.81	4.0	5.0	95.0	4969.9	2.7	13.3	1434.1	63.9	711.1	75.8	218.3	138.9	225.9	244.6	2.4	9.4	1.2	397.9	438.3	379.8	18.2
SMDH 00058	813777.81	8193986.50	165.81	5.0	6.0	95.0	4693.9	2.6	12.3	1467.4	44.8	490.5	67.0	192.9	122.8	199.6	216.1	2.3	8.6	1.1	410.2	438.0	397.3	12.8
SMDH 00058	813777.81	8193986.50	165.81	6.0	7.0	85.0	5525.6	2.8	16.7	1310.9	69.7	988.9	95.4	274.8	174.9	284.4	308.0	2.5	12.7	1.2	581.6	623.2	559.8	21.8
SMDH 00058	813777.81	8193986.50	165.81	7.0	8.0	95.0	5183.2	2.6	14.3	1522.4	77.1	732.0	85.3	245.6	156.3	254.2	275.2	2.3	10.6	1.1	656.2	703.8	633.6	22.6
SMDH 00058	813777.81	8193986.50	165.81	8.0	9.0	95.0	4068.3	2.0	11.8	1035.8	79.5	735.7	71.4	205.8	131.0	212.9	230.6	1.7	8.8	1.0	457.4	508.3	435.2	22.2
SMDH 00058	813777.81	8193986.50	165.81	9.0	10.0	90.0	4284.0	1.9	11.1	1442.5	104.4	595.9	69.4	199.8	127.2	206.8	224.0	1.6	8.1	1.1	726.5	792.5	696.6	29.9
SMDH 00058	813777.81	8193986.50	165.81	10.0	11.0	90.0	3700.9	1.8	10.3	1072.5	85.7	484.9	56.9	164.0	104.4	169.7	183.8	1.6	7.5	1.0	436.8	491.5	412.4	24.5
SMDH 00058	813777.81	8193986.50	165.81	11.0	12.0	95.0	3658.4	1.8	10.3	975.6	72.9	653.7	59.9	172.4	109.8	178.4	193.2	1.5	7.5	1.0	394.5	440.7	373.7	20.8
SMDH 00058	813777.81	8193986.50	165.81	12.0	13.0	95.0	4216.0	2.0	11.9	1207.6	43.7	682.6	72.3	208.4	132.6	215.6	233.5	1.8	8.8	1.0	557.2	583.4	544.2	13.0
SMDH 00058	813777.81	8193986.50	165.81	13.0	14.0	85.0	3403.2	1.7	10.3	797.5	69.9	493.0	61.7	177.7	113.1	183.9	199.1	1.5	7.5	1.1	320.2	363.2	299.3	20.9
SMDH 00058	813777.81	8193986.50	165.81	14.0	15.0	95.0	4278.6	1.3	7.2	1912.5	114.1	2124.4	51.2	147.6	93.9	152.7	165.4	0.8	5.4	0.5	1217.0	1286.8	1182.7	34.3
SMDH 00058	813777.81	8193986.50	165.81	15.0	15.5	80.0	4100.0	2.0	11.9	1092.4	68.1	670.2	69.8	201.1	128.0	208.2	225.4	1.7	8.9	1.0	522.0	565.2	503.0	19.0
SMDH 00058	813777.81	8193986.50	165.81	15.5	16.0	80.0	4100.0	2.0	11.9	1092.4	68.1	670.2	69.8	201.1	128.0	208.2	225.4	1.7	8.9	1.0	522.0	565.2	503.0	19.0
SMDH 00059	813660.88	8193986.93	162.90	0.0	1.0	20.0	4099.2	2.1	12.9	948.4	46.3	606.5	56.2	161.8	103.0	167.5	181.4	1.9	9.9	0.8	350.9	380.2	337.8	13.1
SMDH 00059	813660.88	8193986.93	162.90	1.0	2.0	15.0	3389.3	1.7	12.1	590.5	37.9	538.1	45.4	130.7	83.2	135.3	146.5	1.5	9.9	0.6	316.1	340.0	305.4	10.6
SMDH 00059	813660.88	8193986.93	162.90	2.0	3.0	50.0	5103.4	2.6	15.3	1268.2	57.9	983.1	66.7	192.2	122.4	198.9	215.4	2.3	11.6	1.1	556.2	593.1	540.6	15.7
SMDH 00059	813660.88	8193986.93	162.90	3.0	4.0	50.0	6781.2	3.8	20.3	1740.6	67.7	681.9	95.1	273.8	174.3	283.3	306.8	3.4	15.2	1.3	606.1	648.8	586.9	19.2
SMDH 00059	813660.88	8193986.93	162.90	4.0	5.0	90.0	4817.2	2.5	13.8	1262.5	49.7	882.4	77.1	222.2	141.4	229.9	249.0	2.2	10.3	1.0	498.8	530.2	485.0	13.8
SMDH 00059	813660.88	8193986.93	162.90	5.0	6.0	98.0	4751.1	2.7	12.1	1494.6	22.2	619.4	66.7	192.2	122.3	198.9	215.3	2.4	8.2	1.2	343.1	355.8	336.6	6.6
SMDH 00059	813660.88	8193986.93	162.90	6.0	7.0	80.0	3216.8	1.5	8.1	1079.4	44.5	530.5	42.5	122.4	77.9	126.6	137.1	1.3	5.8	0.8	443.8	471.1	430.8	13.0
SMDH 00059	813660.88	8193986.93	162.90	7.0	8.0	95.0	4915.7	2.7	12.3	1654.1	42.0	508.9	52.8	152.0	96.8	157.3	170.4	2.4	8.4	1.2	398.7	425.2	387.2	11.6
SMDH 00059	813660.88	8193986.93	162.90	8.0	9.0	60.0	4985.0	2.6	13.7	1485.9	57.6	593.8	71.5	206.0	131.2	213.2	230.9	2.3	9.9	1.3	518.7	555.6	502.9	15.8
SMDH 00059	813660.88	8193986.93	162.90	9.0	10.0	75.0	5143.4	2.4	12.5	1813.1	79.6	963.5	74.8	215.4	137.1	223.0	241.4	2.0	9.1	1.0	799.3	852.7	779.5	19.7
SMDH 00059	813660.88	8193986.93	162.90	10.0	11.0	90.0	7352.8	4.5	14.3	3141.5	38.1	429.1	64.9	186.9	119.0	193.4	209.5	4.1	8.8	1.0	393.2	418.0	383.2	10.0
SMDH 00059	813660.88	8193986.93	162.90	11.0	12.0	85.0	7354.5	4.0	24.5	1555.6	59.5	661.3	97.4	280.4	178.5	290.2	314.2	3.7	19.0	1.5	497.6	535.8	481.2	16.4
SMDH 00059	813660.88	8193986.93	162.90	12.0	13.0	60.0	7756.0	4.3	25.9	1614.7	52.9	712.1	95.0	273.5	174.1	283.1	306.6	4.0	20.0	1.5	474.6	508.2	459.7	14.9
SMDH 00059	813660.88	8193986.93	162.90	13.0	14.0	98.0	9157.5	5.3	29.1	2056.4	70.4	759.3	116.8	336.5	214.2	348.2	377.1	4.9	22.0	1.7	561.8	607.6	542.3	19.5
SMDH 00059	813660.88	8193986.93	162.90	14.0	15.0	75.0	10114.9	6.4	30.4	2259.2	70.2	884.2	140.9	405.7	258.3	419.9	454.7	6.0	22.0	2.0	602.4	646.0	580.9	21.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00060	813541.24	8193978.30	161.61	0.0	1.0	30.0	3042.5	1.1	6.8	1176.9	55.7	949.4	37.1	107.0	68.1	110.7	119.9	0.9	5.2	0.5	683.9	718.8	667.7	16.2
SMDH 00060	813541.24	8193978.30	161.61	1.0	2.0	30.0	4391.7	2.2	14.4	956.8	37.0	564.4	72.0	207.2	131.9	214.5	232.2	1.9	11.0	1.2	433.7	456.7	423.1	10.6
SMDH 00060	813541.24	8193978.30	161.61	2.0	3.0	40.0	4506.5	2.4	13.9	1069.9	44.5	574.6	73.0	210.2	133.8	217.5	235.6	2.1	10.3	1.2	379.1	407.4	366.9	12.2
SMDH 00060	813541.24	8193978.30	161.61	3.0	4.0	75.0	4996.2	2.7	12.0	1757.2	46.7	617.7	56.9	163.8	104.3	169.6	183.6	2.4	8.3	1.0	493.4	522.6	480.2	13.2
SMDH 00060	813541.24	8193978.30	161.61	4.0	5.0	98.0	5235.3	2.9	14.1	1579.1	43.3	623.6	68.9	198.5	126.3	205.4	222.4	2.6	10.2	1.1	440.3	466.2	426.7	13.6
SMDH 00060	813541.24	8193978.30	161.61	5.0	6.0	90.0	4217.2	2.1	10.2	1516.3	59.5	560.4	61.9	178.2	113.4	184.4	199.6	1.8	7.3	0.9	626.5	664.2	609.9	16.6
SMDH 00060	813541.24	8193978.30	161.61	6.0	7.0	80.0	3801.6	1.9	8.9	1322.3	69.7	662.0	52.3	150.5	95.8	155.8	168.7	1.6	6.2	0.8	464.4	509.7	445.4	19.0
SMDH 00060	813541.24	8193978.30	161.61	7.0	8.0	90.0	4170.5	2.1	11.3	1242.6	67.6	650.3	67.6	194.6	123.9	201.4	218.1	1.8	8.3	0.9	510.3	554.4	492.1	18.2
SMDH 00060	813541.24	8193978.30	161.61	8.0	9.0	80.0	4578.0	2.4	14.3	1023.2	60.3	601.5	74.7	215.2	137.0	222.7	241.1	2.2	10.7	1.2	348.0	386.7	331.8	16.2
SMDH 00061	813410.97	8193986.84	161.20	0.0	1.0	5.0	3312.2	1.4	9.8	893.1	49.7	759.5	44.6	128.6	81.8	133.0	144.1	1.2	7.7	0.7	509.9	541.7	496.0	13.9
SMDH 00061	813410.97	8193986.84	161.20	1.0	2.0	10.0	6483.6	3.6	16.7	2114.6	53.5	635.9	93.1	268.2	170.7	277.6	300.6	3.2	12.0	1.2	582.6	615.8	567.1	15.6
SMDH 00061	813410.97	8193986.84	161.20	2.0	3.0	15.0	5768.4	3.3	16.6	1501.4	73.2	684.5	79.8	229.8	146.2	237.8	257.5	2.9	12.1	1.2	354.7	401.6	334.5	20.2
SMDH 00061	813410.97	8193986.84	161.20	3.0	4.0	90.0	6554.9	3.9	12.9	2709.6	35.2	644.7	66.6	191.7	122.0	198.4	214.8	3.4	7.9	1.1	427.0	448.8	417.4	9.6
SMDH 00061	813410.97	8193986.84	161.20	4.0	5.0	100.0	6008.3	3.4	14.8	2021.3	45.1	703.6	81.0	233.2	148.4	241.3	261.3	3.0	10.2	1.2	512.8	540.8	500.3	12.5
SMDH 00061	813410.97	8193986.84	161.20	5.0	6.0	90.0	5271.8	2.9	14.7	1468.1	34.4	675.9	90.2	259.7	165.3	268.7	291.0	2.5	10.5	1.4	445.3	465.8	435.5	9.7
SMDH 00061	813410.97	8193986.84	161.20	6.0	7.0	80.0	4946.7	2.9	14.8	1182.4	15.9	481.7	88.9	256.1	163.0	265.0	287.0	2.6	10.5	1.4	225.2	234.1	220.6	4.6
SMDH 00062	813304.61	8193992.38	160.29	0.0	1.0	10.0	5708.8	2.6	16.1	1462.0	83.2	1735.5	108.8	313.4	199.5	324.3	351.2	2.2	12.6	0.9	751.4	802.5	727.0	24.4
SMDH 00062	813304.61	8193992.38	160.29	1.0	2.0	10.0	16663.1	11.5	30.1	7341.6	33.8	308.3	132.4	381.4	242.8	394.7	427.4	10.5	17.9	0.7	106.4	128.1	97.0	9.4
SMDH 00062	813304.61	8193992.38	160.29	2.0	3.0	10.0	12122.6	8.6	31.6	3483.3	38.0	367.4	206.5	594.8	378.6	615.6	666.6	7.9	22.0	1.1	95.3	119.1	84.3	11.1
SMDH 00062	813304.61	8193992.38	160.29	3.0	4.0	30.0	10496.3	7.0	28.5	3043.5	35.6	312.1	160.0	460.9	293.4	476.9	516.5	6.4	20.4	1.1	88.5	111.3	78.7	9.8
SMDH 00062	813304.61	8193992.38	160.29	4.0	5.0	70.0	8373.3	5.7	19.6	2800.2	28.9	459.9	86.6	249.6	158.9	258.3	279.7	5.3	12.7	1.2	93.8	112.4	85.7	8.1
SMDH 00062	813304.61	8193992.38	160.29	5.0	6.0	100.0	7237.3	4.7	16.4	2552.6	61.3	212.9	91.2	262.8	167.3	272.0	294.5	4.3	10.3	1.4	190.4	231.9	173.6	16.8
SMDH 00062	813304.61	8193992.38	160.29	6.0	7.0	60.0	4576.3	2.4	14.5	977.9	77.6	514.5	81.5	234.8	149.5	243.0	263.2	2.2	10.8	1.3	400.6	450.4	379.3	21.3
SMDH 00062	813304.61	8193992.38	160.29	7.0	8.0	100.0	4107.2	1.8	12.2	1062.2	53.4	1048.5	69.1	199.0	126.6	205.9	223.0	1.5	9.4	1.0	616.0	649.5	601.2	14.8
SMDH 00062	813304.61	8193992.38	160.29	8.0	8.5	30.0	5930.1	3.6	16.0	1660.3	113.5	305.1	95.6	275.4	175.3	285.0	308.6	3.3	11.0	1.5	258.7	336.6	227.0	31.7
SMDH 00062	813304.61	8193992.38	160.29	8.5	9.0	30.0	5930.1	3.6	16.0	1660.3	113.5	305.1	95.6	275.4	175.3	285.0	308.6	3.3	11.0	1.5	258.7	336.6	227.0	31.7
SMDH 00063	813180.81	8193979.51	158.45	0.0	1.0	10.0	2186.5	1.1	6.5	568.7	26.3	344.4	30.1	86.7	55.2	89.7	97.2	0.9	4.8	0.6	212.8	229.6	205.7	7.1
SMDH 00063	813180.81	8193979.51	158.45	1.0	2.0	15.0	7630.9	5.1	12.6	3447.0	40.3	483.6	52.9	152.3	96.9	157.6	170.6	4.6	6.6	0.9	322.3	347.4	311.1	11.2
SMDH 00063	813180.81	8193979.51	158.45	2.0	3.0	30.0	7837.5	5.8	13.9	3069.3	30.1	577.0	59.5	171.5	109.1	177.5	192.2	5.4	7.2	0.9	341.5	358.9	333.2	8.3
SMDH 00063	813180.81	8193979.51	158.45	3.0	4.0	50.0	4911.3	3.0	12.6	1421.7	27.8	549.6	71.0	204.6	130.2	211.7	229.3	2.7	8.4	1.3	297.0	313.3	288.7	8.3
SMDH 00063	813180.81	8193979.51	158.45	4.0	5.0	70.0	6334.0	3.6	13.3	2411.0	66.8	1050.4	66.0	190.0	120.9	196.6	212.9	3.1	8.8	0.9	508.9	551.3	490.3	18.6
SMDH 00063	813180.81	8193979.51	158.45	5.0	6.0	80.0	5052.5	2.8	15.8	1062.7	53.3	779.8	83.2	239.6	152.5	248.0	268.5	2.5	11.7	1.3	466.6	499.6	451.1	15.5
SMDH 00063	813180.81	8193979.51	158.45	6.0	7.0	100.0	5331.6	3.0	16.8	1112.7	54.1	754.1	91.3	263.1	167.5	272.3	294.8	2.7	12.5	1.3	409.6	444.2	394.7	14.9
SMDH 00063	813180.81	8193979.51	158.45	7.0	8.0	100.0	7089.2	4.7	21.5	1630.5	23.1	270.3	84.2	242.6	154.5	251.1	271.9	4.4	15.4	1.4	80.4	94.7	74.0	6.5
SMDH 00063	813180.81	8193979.51	158.45	8.0	9.0	100.0	5509.5	3.0	17.2	1212.7	55.4	763.9	100.3	288.9	183.9	299.0	323.8	2.6	12.9	1.4	494.3	528.9	478.4	15.9
SMDH 00063	813180.81	8193979.51	158.45	9.0	10.0	80.0	4959.3	2.6	16.0	1043.8	62.6	597.0	93.0	267.8	170.5	277.2	300.1	2.3	12.1	1.3	433.3	473.6	416.6	16.8
SMDH 00063	813180.81	8193979.51	158.45	10.0	11.0	100.0	5504.6	2.9	16.9	1307.1	78.4	731.4	98.4	283.5	180.4	293.4	317.7	2.5	12.8	1.3	558.9	609.9	538.1	20.8
SMDH 00063	813180.81	8193979.51	158.45	11.0	12.0	100.0	4874.9	2.5	14.9	1248.1	65.3	411.2	68.2	196.5	125.1	203.3	220.2	2.2	11.0	1.4	517.7	559.2	500.1	17.6
SMDH 00064	813058.00	8193977.83	158.31	0.0	1.0	5.0	4139.8	1.9	13.0	895.6	70.5	612.8	135.9	391.5	249.2	405.2	438.8	1.6	9.5	1.6	481.3	527.4	462.3	19.0
SMDH 00064	813058.00	8193977.83	158.31	1.0	2.0	15.0	6008.5	3.2	16.9	1622.2	63.1	780.9	120.4	346.7	220.7	358.8	388.5	2.9	12.2	1.5	483.1	524.4	466.2	16.9
SMDH 00064	813058.00	8193977.83	158.31	2.0	3.0	10.0	3406.7	1.7	10.0	857.8	46.9	685.4	48.6	140.0	89.1	144.9	156.9	1.5	7.5	0.8	353.8	383.8	340.7	13.2
SMDH 00064	813058.00	8193977.83	158.31	3.0	4.0	90.0																		
SMDH 00064	813058.00	8193977.83	158.31	4.0	5.0	100.0	7290.8	5.3	12.9	2932.4	45.3	303.9	54.7	157.6	100.3	163.1	176.7	5.0	6.5	1.1	346.4	374.9	334.2	12.2
SMDH 00064	813058.00	8193977.83	158.31	5.0	6.0	80.0																		
SMDH 00064	813058.00	8193977.83	158.31	6.0	7.0	80.0	5215.2	2.7	15.0	1430.1	66.0	485.1	95.3	274.4	174.7	284.0	307.5	2.4	10.6	1.7	640.9	682.4	621.8	19.1
SMDH 00064	813058.00	8193977.83	158.31	7.0	8.0	90.0	4669.5	2.1	13.4	1401.8	95.8	384.1	65.7	189.2	120.4	195.8	212.0	1.9	9.9	1.4	749.2	809.7	721.3	27.8
SMDH 00064	813058.00	8193977.83	158.31	8.0	9.0	90.0	4640.6	2.4	13.6	1225.2	51.9	495.8	62.0	178.4	113.6	184.7	200.0	2.2	9.9	1.3	496.2	529.0	481.4	14.8
SMDH 00064	813058.00	8193977.83	158.31	9.0	10.0	90.0	3519.1	1.5	10.3	1027.5	43.5	427.9	58.7	169.0	107.6	174.9	189.4	1.3	7.5	1.3	636.6	663.3	624.0	12.6
SMDH 00064	813058.00	8193977.83	158.31	10.0	11.0	90.0	5513.2	2.8	20.4	831.7	72.0	532.8	96.7	278.4	177.2	288.1	312.0	2.5	15.9	1.7	496.2	541.6	475.5	20.8
SMDH 00064	813058.00	8193977.83	158.31	11.0	11.5	50.0	3037.0	1.5	10.3	539.0	44.3	308.5	56.4	162.4	103.4	168.0	182.0	1.3	7.4	1.5	266.4	295.4	254.7	11.7
SMDH 00064	813058.00	8193977.83	158.31	11.5	12.0	50.0	3037.0	1.5	10.3	539.0	44.3	308.5	56.4	162.4	103.4	168.0	182.0	1.3	7.4	1.5	266.4	295.4	254.7	11.7
SMDH 00065	812941.56	8193984.69	158.36	0.0	1.0	10.0	1453.0	0.7	5.2	243.6	12.7	294.8	13.7	39.4	25.1	40.8	44.2	0.6	4.2	0.3	125.7	133.2	121.9	3.8
SMDH 00065	812941.56	8193984.69	158.36	1.0	2.0	15.0	3785.8	1.7	12.5	824.6	49.1	710.3	58.5	168.5	107.2	174.3	188.8	1.5	10.1	0.7	466.1	497.1	452.4	13.7
SMDH 00065	812941.56	8193984.69	158.36	2.0	3.0	20.0	5840.4	3.0	13.5	2221.4	66.9	817.5	47.2	135.9	86.5	140.6	152.3	2.6	9.7	0.9	919.4	960.5	900.7	18.7
SMDH 00065	812941.56	8193984.69	158.36	3.0	4.0	15.0	7201.5	4.7	18.6	2099.6	33.1	759.3	88.1	253.8	161.6	262.7	284.4	4.3	13.0	0.9	493.0	511.5	483.5	9.5
SMDH 00065	812941.56	8193984.69	158.36	4.0	5.0	30.0	6160.9	3.9	15.9	1880.4	31.1	490.8	76.0	219.0	139.4	226.6	245.4	3.5	11.0	1.0	432.5	450.4	423.5	9.0
SMDH 00065	812941.56	8193984.69	158.36	5.0	6.0	40.0	5807.0	3.4	15.4	1725.9	48.3	592.8	74.1	213.4	135.8	220.8	239.1	3.1	10.9	1.2	479.2	509.0	465.5	13.7
SMDH 00065	812941.56	8193984.69	158.36	6.0	7.0	50.0	4605.4	2.8	12.8	1218.8	18.6	409.7	62.6	180.3	114.8	186.6	202.0	2.6	8.7	1.3	268.8	279.1	263.2	5.6
SMDH 00065	812941.56	8193984.69	158.36	7.0	8.0	60.0	4796.4	2.7	12.1	1547.8	23.6	446.2	58.1	167.3	106.5	173.2	187.5	2.5	8.1	1.3	403.7	416.9	396.9	6.8
SMDH 00065	812941.56	8193984.69	158.36	8.0	9.0	80.0	5235.2	2.9	16.2	1197.6	29.5	644.1	94.8	272.9	173.7	282.4	305.8	2.6	12.1	1.2	423.5	440.5	414.9	8.7
SMDH 00065	812941.56	8193984.69	158.36	9.0	10.0	100.0	6629.0	3.8	20.1	1511.9	114.8	853.3	91.1	262.3	166.9	271.4	293.9	3.4	15.1	1.2	505.4	575.9	471.2	34.2
SMDH 00065	812941.56	8193984.69	158.36	10.0	11.0	80.0	5325.2	2.9	17.9	974.7	71.7	660.8	95.8	275.8	175.6	285.4	309.1	2.6	13.7	1.3	366.6	412.2	347.0	19.6
SMDH 00065	812941.56	8193984.69	158.36	11.0	12.0	100.0	3572.6	1.8	12.6	589.2	31.9	478.9	56.7	163.4	104.0	169.1	183.2	1.6	9.6	1.3	279.0	298.7	270.2	8.7
SMDH 00065	812941.56	8193984.69	158.36	12.0	13.0	90.0	5186.2	2.7	17.7	945.0	73.0	680.3	86.6	249.4	158.8	258.1	279.5	2.4	13.7	1.3	443.8	490.5	424.3	19.5
SMDH 00066	812813.93	8193980.69	157.42	0.0	1.0	20.0	3176.8	1.4	9.3	772.9	45.4	887.3	63.1	181.7	115.7	188.0	203.6	1.2	7.0	0.8	403.8	431.1	389.8	14.0
SMDH 00066	812813.93	8193980.69	157.42	1.0	2.0	40.0	2663.5	1.3	8.5	570.1	32.2	517.1	46.0	132.5	84.3	137.1	148.4	1.1	6.6	0.6	255.9	276.0	246.7	9.2
SMDH 00066	812813.93	8193980.69	157.42	2.0	3.0	50.0	3978.9	2.0	11.6	1030.4	33.5	696.0	55.9	160.9	102.4	166.5	180.3	1.8	8.6	1.0	422.4	442.0	412.2	10.2
SMDH 00066	812813.93	8193980.69	157.42	3.0	4.0	70.0	6123.7	3.9	15.9	1861.6	24.1	370.0	77.5	223.2	142.1	231.0	250.2	3.5	10.8	1.2	318.5	331.9	311.2	7.3
SMDH 00066	812813.93	8193980.69	157.42	4.0	5.0	80.0	4898.2	3.1	11.4	1622.1	22.5	386.4	56.1	161.5	102.8	167.2	181.0	2.9	7.2	1.1	245.4	258.2	239.0	6.4
SMDH 00066	812813.93	8193980.69	157.42	5.0	6.0	80.0	4694.3	2.7	14.1	1108.1	34.6	509.4	76.8	221.2	140.8	229.0	247.9	2.5	10.1	1.2	336.3	356.5	325.5	10.7
SMDH 00066	812813.93	8193980.69	157.42	6.0	7.0	80.0	5135.0	2.8	16.7	1096.3	37.4	472.7	78.6	226.3	144.0	234.2	253.6	2.6	12.5	1.4	374.7	397.8	364.3	10.4
SMDH 00066	812813.93	8193980.69	157.42	7.0	8.0	100.0	3523.6	1.7	8.6	1274.8	24.8	338.6	36.0	103.6	66.0	107.2	116.1	1.5	5.7	1.2	438.8	453.1	431.9	6.9
SMDH 00066	812813.93	8193980.69	157.42	8.0	9.0	80.0	4719.4	2.5	14.2	1199.9	38.6	503.9	69.1	199.0	126.6	205.9	223.0	2.3	10.5	1.2	406.2	429.6	395.1	11.1
SMDH 00067	812699.97	8193988.00	157.33	0.0	1.0	40.0	3744.1	1.8	11.0	940.9	57.4	703.0	81.0	233.4	148.6	241.6	261.6	1.5	8.3	1.0	444.1	480.9	428.4	15.7
SMDH 00067	812699.97	8193988.00	157.33	1.0	2.0	60.0	5828.8	3.6	9.6	2668.0	41.8	600.8	56.1	161.6	102.9	167.2	181.1	3.2	5.2	0.8	375.0	401.0	363.6	11.4
SMDH 00067	812699.97	8193988.00	157.33	2.0	3.0	40.0	8517.0	5.9	12.2	4164.1	29.7	328.0	51.9	149.6	95.2	154.8	167.7	5.3	5.5	0.8	168.6	187.4	160.3	8.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00067	812699.97	8193988.00	157.33	3.0	4.0	85.0	8450.0	6.2	12.0	3963.6	29.3	369.2	54.0	155.5	99.0	160.9	174.3	5.7	5.1	0.7	180.8	198.9	173.1	7.6
SMDH 00067	812699.97	8193988.00	157.33	4.0	5.0	80.0	4807.2	3.0	11.1	1652.6	16.9	379.7	64.4	185.6	118.1	192.1	208.0	2.7	6.9	1.2	300.7	310.2	296.0	4.7
SMDH 00067	812699.97	8193988.00	157.33	5.0	6.0	98.0	5231.2	3.1	11.2	2011.6	14.6	382.8	63.0	181.4	115.5	187.7	203.3	2.8	6.8	1.3	322.6	330.5	318.7	4.0
SMDH 00067	812699.97	8193988.00	157.33	6.0	6.5	70.0	3854.8	2.2	11.0	966.4	12.0	470.3	73.7	212.3	135.1	219.7	237.9	2.0	7.4	1.3	221.0	227.4	217.6	3.4
SMDH 00067	812699.97	8193988.00	157.33	6.5	7.0	70.0	3854.8	2.2	11.0	966.4	12.0	470.3	73.7	212.3	135.1	219.7	237.9	2.0	7.4	1.3	221.0	227.4	217.6	3.4
SMDH 00068	812584.20	8193992.38	156.48	0.0	1.0	40.0	2741.1	1.2	6.9	766.1	53.5	1021.0	67.4	194.0	123.5	200.8	217.4	0.9	5.0	0.7	386.9	421.4	372.2	14.7
SMDH 00068	812584.20	8193992.38	156.48	1.0	2.0	75.0	7444.0	4.6	11.7	3554.2	47.1	616.8	54.0	155.5	99.0	160.9	174.3	4.1	6.3	0.8	428.5	458.1	415.6	12.9
SMDH 00068	812584.20	8193992.38	156.48	2.0	3.0	80.0	7800.2	5.3	14.6	3222.0	60.2	395.4	60.6	174.4	111.0	180.5	195.5	4.8	8.4	0.9	265.2	303.2	248.6	16.6
SMDH 00068	812584.20	8193992.38	156.48	3.0	4.0	80.0	7379.9	4.6	14.1	3104.4	56.1	523.8	58.9	169.5	107.9	175.4	190.0	4.2	8.5	0.9	250.8	286.0	234.6	16.2
SMDH 00068	812584.20	8193992.38	156.48	4.0	5.0	98.0	4866.0	2.9	10.6	1828.9	38.3	387.7	55.9	160.9	102.4	166.5	180.3	2.6	6.7	1.0	214.5	238.6	203.4	11.2
SMDH 00068	812584.20	8193992.38	156.48	5.0	6.0	90.0	4726.6	2.7	11.7	1551.6	55.7	449.1	68.0	195.9	124.7	202.8	219.6	2.4	7.9	1.1	279.7	315.2	263.8	15.9
SMDH 00068	812584.20	8193992.38	156.48	6.0	7.0	90.0	5310.9	3.1	13.0	1818.7	29.3	349.2	59.0	170.1	108.2	176.0	190.6	2.9	8.8	1.1	281.2	299.1	272.6	8.6
SMDH 00068	812584.20	8193992.38	156.48	7.0	8.0	95.0	4137.9	2.3	10.2	1413.1	20.3	245.8	67.8	195.3	124.3	202.1	218.9	2.1	6.6	1.3	295.6	307.5	290.1	5.5
SMDH 00068	812584.20	8193992.38	156.48	8.0	9.0	98.0	3762.9	2.1	9.7	1197.7	28.0	293.9	66.2	190.7	121.4	197.3	213.7	1.8	6.5	1.2	302.7	319.2	294.6	8.1
SMDH 00068	812584.20	8193992.38	156.48	9.0	10.0	60.0	4318.4	2.4	12.2	1193.6	52.8	271.3	75.2	216.5	137.8	224.0	242.6	2.2	8.5	1.3	294.7	327.7	279.5	15.1
SMDH 00069	814554.55	8194101.71	166.85	0.0	1.0	40.0	5191.0	2.4	15.6	1008.2	47.7	2394.5	102.5	295.2	187.9	305.5	330.8	1.9	12.9	0.3	518.6	547.7	504.6	14.0
SMDH 00069	814554.55	8194101.71	166.85	1.0	2.0	50.0	7143.6	4.2	27.5	726.7	46.9	827.7	123.4	355.4	226.2	367.8	398.2	3.9	22.0	1.3	368.0	397.0	354.1	13.9
SMDH 00069	814554.55	8194101.71	166.85	2.0	3.0	50.0	7036.3	4.2	17.3	2318.1	66.0	645.9	87.3	251.5	160.1	260.3	281.9	3.8	12.0	1.1	418.0	460.4	399.7	18.3
SMDH 00069	814554.55	8194101.71	166.85	3.0	4.0	70.0	4975.5	2.8	15.1	1215.9	60.9	504.3	66.4	191.3	121.8	197.9	214.4	2.5	11.3	1.0	336.9	374.9	318.6	18.3
SMDH 00069	814554.55	8194101.71	166.85	4.0	5.0	85.0	4971.3	2.6	17.1	870.0	56.9	690.6	89.0	256.4	163.2	265.4	287.4	2.4	13.4	1.1	348.5	383.8	331.5	17.0
SMDH 00069	814554.55	8194101.71	166.85	5.0	6.0	95.0	7976.9	5.0	16.8	3061.8	65.3	583.0	73.3	211.1	134.4	218.4	236.5	4.6	10.7	1.1	315.5	357.4	297.2	18.3
SMDH 00069	814554.55	8194101.71	166.85	6.0	7.0	85.0	6189.9	3.5	18.2	1554.7	77.4	745.9	99.5	286.5	182.4	296.5	321.1	3.1	13.6	1.1	453.5	501.8	430.7	22.8
SMDH 00069	814554.55	8194101.71	166.85	7.0	8.0	95.0	6395.7	3.7	17.1	1874.4	67.2	709.1	94.0	270.7	172.3	280.2	303.4	3.4	12.3	1.0	396.5	438.7	377.1	19.4
SMDH 00069	814554.55	8194101.71	166.85	8.0	9.0	95.0	5912.7	3.3	17.5	1409.9	76.7	899.7	107.6	309.8	197.2	320.6	347.2	2.9	13.2	1.1	447.9	496.8	426.1	21.8
SMDH 00069	814554.55	8194101.71	166.85	9.0	10.0	90.0	5876.0	3.4	16.2	1658.5	77.7	579.8	85.1	245.0	156.0	253.6	274.6	3.1	11.8	1.1	368.0	417.5	346.0	22.0
SMDH 00069	814554.55	8194101.71	166.85	10.0	11.0	85.0	5018.8	2.8	14.6	1305.1	64.0	553.1	80.7	232.5	148.0	240.6	260.6	2.5	10.7	1.1	410.8	451.3	392.7	18.1
SMDH 00069	814554.55	8194101.71	166.85	11.0	12.0	90.0	5635.6	3.2	17.2	1308.3	67.2	661.5	103.5	298.1	189.8	308.5	334.1	2.8	13.0	1.1	415.5	458.1	396.6	18.9
SMDH 00069	814554.55	8194101.71	166.85	12.0	13.0	90.0	5517.0	3.1	16.1	1383.1	79.8	701.9	90.5	260.8	166.0	269.9	292.3	2.7	11.9	1.1	422.6	472.7	399.2	23.3
SMDH 00069	814554.55	8194101.71	166.85	13.0	14.0	98.0	6210.2	3.4	19.5	1422.1	80.8	739.9	93.1	268.2	170.7	277.6	300.6	3.1	15.0	1.1	488.8	539.4	464.9	23.9
SMDH 00069	814554.55	8194101.71	166.85	14.0	15.0	95.0	5229.1	2.9	15.5	1283.8	64.7	657.4	91.1	262.4	167.1	271.6	294.1	2.6	11.5	1.1	396.7	436.8	377.8	18.9
SMDH 00069	814554.55	8194101.71	166.85	15.0	16.0	90.0	5040.4	2.7	15.6	1143.0	70.8	642.6	76.6	220.6	140.5	228.4	247.3	2.4	11.6	1.2	380.2	424.3	359.2	21.0
SMDH 00069	814554.55	8194101.71	166.85	16.0	17.0	95.0	5797.8	3.3	18.1	1268.4	66.6	639.4	96.8	278.8	177.5	288.5	312.5	3.0	13.5	1.3	347.2	388.8	327.7	19.5
SMDH 00069	814554.55	8194101.71	166.85	17.0	18.0	95.0	4558.5	2.5	13.9	1079.5	60.9	569.0	68.4	196.9	125.3	203.8	220.6	2.2	10.3	1.1	346.9	385.1	329.6	17.4
SMDH 00069	814554.55	8194101.71	166.85	18.0	19.0	85.0	3788.2	2.0	11.5	934.5	54.1	484.1	57.7	166.2	105.8	172.0	186.3	1.8	8.7	0.7	350.6	384.1	334.8	15.8
SMDH 00070	814437.38	8194104.36	166.52	0.0	1.0	40.0	6119.5	3.2	25.7	513.8	29.9	765.1	69.9	201.3	128.1	208.3	225.5	3.0	21.6	0.9	277.8	295.3	268.3	9.4
SMDH 00070	814437.38	8194104.36	166.52	1.0	2.0	50.0	4208.9	2.2	11.3	1276.2	56.2	552.5	67.7	195.0	124.1	201.8	218.5	1.9	8.2	0.9	395.8	430.0	378.1	17.6
SMDH 00070	814437.38	8194104.36	166.52	2.0	3.0	60.0	5882.5	3.1	23.0	667.7	75.7	486.6	215.2	619.8	394.5	641.4	694.6	2.7	18.8	1.1	401.5	449.6	378.7	22.7
SMDH 00070	814437.38	8194104.36	166.52	3.0	4.0	60.0	4055.6	2.1	11.6	1116.0	39.3	620.2	64.6	186.1	118.4	192.6	208.5	1.8	8.7	0.8	342.0	365.6	329.9	12.1
SMDH 00070	814437.38	8194104.36	166.52	4.0	5.0	80.0	5904.5	3.4	16.3	1679.3	32.4	680.6	81.2	233.9	148.9	242.1	262.1	3.1	11.7	1.1	243.3	263.2	233.7	9.7
SMDH 00070	814437.38	8194104.36	166.52	5.0	6.0	90.0	2389.3	1.2	10.5	165.9	13.9	158.3	11.8	34.0	21.7	35.2	38.2	1.2	8.8	0.5	75.1	83.1	70.9	4.2
SMDH 00070	814437.38	8194104.36	166.52	6.0	7.0	75.0	5671.9	3.4	13.3	2011.5	36.9	453.9	60.6	174.5	111.1	180.6	195.5	3.1	9.1	0.8	233.8	256.5	222.7	11.1
SMDH 00070	814437.38	8194104.36	166.52	7.0	8.0	95.0	4393.4	2.4	13.9	974.6	47.9	541.8	72.9	210.0	133.7	217.3	235.4	2.1	10.5	1.0	305.8	335.5	291.6	14.2
SMDH 00070	814437.38	8194104.36	166.52	8.0	9.0	80.0	5514.4	2.9	21.1	593.9	30.0	842.7	172.7	497.4	316.7	514.8	557.5	2.6	17.0	1.2	255.2	272.9	245.7	9.5
SMDH 00070	814437.38	8194104.36	166.52	9.0	10.0	85.0	5083.9	2.8	15.2	1256.7	50.3	688.2	76.4	220.1	140.1	227.8	246.7	2.5	11.3	1.1	328.4	359.8	313.8	14.6
SMDH 00070	814437.38	8194104.36	166.52	10.0	11.0	90.0	4735.8	2.6	13.9	1245.5	53.3	564.6	60.3	173.8	110.6	179.8	194.7	2.3	10.3	1.1	324.9	357.5	308.7	16.2
SMDH 00070	814437.38	8194104.36	166.52	11.0	12.0	95.0	4925.1	2.7	14.6	1261.6	44.5	582.1	68.1	196.1	124.8	203.0	219.8	2.4	10.9	1.1	326.8	353.7	313.2	13.7
SMDH 00070	814437.38	8194104.36	166.52	12.0	13.0	90.0	4899.2	2.7	13.2	1477.2	45.2	520.5	60.0	172.8	110.0	178.8	193.6	2.5	9.5	0.9	315.1	342.2	301.2	14.0
SMDH 00070	814437.38	8194104.36	166.52	13.0	14.0	85.0	4203.9	2.2	12.6	952.2	41.5	889.9	54.9	158.2	100.7	163.7	177.3	2.0	9.4	1.0	241.3	266.4	228.3	13.0
SMDH 00070	814437.38	8194104.36	166.52	14.0	15.0	95.0	4372.8	2.4	14.0	951.4	39.0	511.8	66.6	191.7	122.1	198.4	214.9	2.2	10.5	1.1	263.4	286.9	251.4	12.1
SMDH 00070	814437.38	8194104.36	166.52	15.0	16.0	80.0	5808.3	3.2	16.3	1484.8	77.4	1051.2	74.7	215.2	137.0	222.7	241.2	2.9	12.0	1.1	415.0	464.0	393.0	22.0
SMDH 00070	814437.38	8194104.36	166.52	16.0	17.0	95.0	5478.2	3.1	15.3	1494.0	54.7	668.0	73.9	212.7	135.4	220.2	238.4	2.8	11.0	1.1	339.9	374.8	324.7	15.2
SMDH 00070	814437.38	8194104.36	166.52	17.0	18.0	95.0	6076.0	3.9	12.5	2293.4	18.2	620.9	57.3	164.9	105.0	170.7	184.8	3.5	7.6	1.0	96.6	107.6	91.3	5.3
SMDH 00071	814312.48	8194101.78	165.89	0.0	1.0	30.0	2823.5	1.3	9.1	550.4	29.2	989.2	33.8	97.2	61.9	100.6	109.0	1.1	7.5	0.4	316.1	334.0	307.5	8.6
SMDH 00071	814312.48	8194101.78	165.89	1.0	2.0	50.0	4008.4	1.8	13.5	724.3	42.5	1156.5	58.8	169.5	107.9	175.4	189.9	1.5	10.8	0.9	421.0	447.5	408.8	12.2
SMDH 00071	814312.48	8194101.78	165.89	2.0	3.0	40.0	5775.8	3.1	17.1	1459.2	51.1	802.2	85.5	246.4	156.8	255.0	276.1	2.8	12.6	1.4	420.5	453.5	406.8	13.7
SMDH 00071	814312.48	8194101.78	165.89	3.0	4.0	80.0	5546.1	3.1	17.0	1313.5	52.2	532.5	90.0	259.3	165.1	268.4	290.6	2.8	12.6	1.4	382.7	416.3	368.0	14.7
SMDH 00071	814312.48	8194101.78	165.89	4.0	5.0	60.0	5293.1	2.9	15.7	1303.9	44.3	629.3	80.6	232.0	147.7	240.1	260.0	2.7	11.3	1.4	314.1	342.8	301.9	12.2
SMDH 00071	814312.48	8194101.78	165.89	5.0	6.0	70.0	6835.2	4.4	15.1	2503.7	38.5	419.8	62.5	180.0	114.6	186.3	201.8	4.0	9.5	1.2	261.6	286.5	251.0	10.6
SMDH 00071	814312.48	8194101.78	165.89	6.0	7.0	60.0	4237.7	2.4	12.8	1033.4	26.7	505.7	65.0	187.2	119.2	193.7	209.8	2.1	9.5	0.9	320.3	336.2	312.3	8.1
SMDH 00071	814312.48	8194101.78	165.89	7.0	8.0	90.0	6482.2	4.0	15.1	2190.5	38.5	599.2	74.1	213.4	135.8	220.8	239.1	3.7	9.9	1.2	262.0	287.3	251.7	10.3
SMDH 00071	814312.48	8194101.78	165.89	8.0	9.0	90.0	6837.4	4.1	21.4	1400.1	64.1	810.9	99.0	285.0	181.4	295.0	319.4	3.8	15.9	1.4	227.6	270.0	210.5	17.1
SMDH 00071	814312.48	8194101.78	165.89	9.0	10.0	85.0	6004.2	3.3	17.2	1624.0	42.9	661.2	93.2	268.3	170.8	277.7	300.7	3.0	12.4	1.4	465.2	492.0	453.2	12.0
SMDH 00071	814312.48	8194101.78	165.89	10.0	11.0	85.0	4680.7	2.5	14.4	1041.4	47.2	767.7	77.3	222.5	141.7	230.3	249.4	2.2	10.5	1.4	362.4	392.9	349.2	13.2
SMDH 00071	814312.48	8194101.78	165.89	11.0	11.5	75.0	4931.2	2.6	15.4	1112.6	57.3	619.8	74.2	213.8	136.1	221.3	239.6	2.3	11.3	1.4	370.3	408.0	354.5	15.7
SMDH 00071	814312.48	8194101.78	165.89	11.5	12.0	75.0	4931.2	2.6	15.4	1112.6	57.3	619.8	74.2	213.8	136.1	221.3	239.6	2.3	11.3	1.4	370.3	408.0	354.5	15.7
SMDH 00072	814196.46	8194101.41	166.32	0.0	1.0	30.0	4777.0	2.2	17.2	794.1	34.0	1042.6	46.3	133.3	84.9	138.0	149.4	2.0	14.1	0.9	449.0	469.3	438.6	10.4
SMDH 00072	814196.46	8194101.41	166.32	1.0	2.0	40.0	4725.6	2.1	15.3	1015.9	52.9	1047.3	69.1	198.9	126.6	205.8	222.9	1.9	12.0	1.2	560.0	593.4	545.0	15.0
SMDH 00072	814196.46	8194101.41	166.32	2.0	3.0	60.0	5168.3	2.9	14.3	1447.6	40.6	677.7	67.8	195.2	124.3	202.0	218.8	2.6	10.3	1.1	434.5	460.1	423.5	11.0
SMDH 00072	814196.46	8194101.41	166.32	3.0	4.0	40.0	7572.2	5.1	12.9	3340.7	33.7	572.7	47.2	136.1	86.6	140.8	152.5	4.6	7.2	0.6	320.5	341.3	310.9	9.6
SMDH 00072	814196.46	8194101.41	166.32	4.0	5.0	90.0	5045.0	2.9	12.5	1668.6	39.9	618.6	60.5	174.3	111.0	180.4	195.3	2.6	8.8	0.8	432.7	457.4	421.3	11.3
SMDH 00072	814196.46	8194101.41	166.32	5.0	6.0	60.0	3898.5	2.1	12.1	923.3	45.7	488.6	51.7	148.8	94.7	154.0	166.8	1.9	9.1	0.9	358.3	387.6	345.6	12.7
SMDH 00072	814196.46	8194101.41	166.32	6.0	7.0	50.0	4714.8	2.7	11.8	1574.7	40.9	414.2	43.8	126.1	80.3	130.5	141.3	2.5	8.2	0.8	320.7	347.0	309.2	11.5
SMDH 00072	814196.46	8194101.41	166.32	7.0	8.0	75.0	5084.7	2.8	15.0	1380.3	40.0	441.4	70.8	203.9	129.8	211.0	228.5	2.5	11.0	1.2	429.7	455.3	419.0	10.7
SMDH 00072	814196.46	8194101.41	166.32	8.0	9.0	85.0	5015.9	2.9	11.6	1828.3	32.2	396.7	47.8	137.7	87.7	142.5	154.3	2.6	7.7	1.0	294.7	315.3	286.1	8.6
SMDH 00072	814196.46	8194101.41	166.32	9.0	10.0	85.0	3438.8	1.8	8.3	1219.4	43.7	305.9	31.8	91.6	58.3	94.8	102.7	1.6	5.4	1.2	317.7	346.3	306.3	11.4
SMDH 00072	814196.46	8194101.41	166.32	10.0	11.0	80.0	3964.1	2.1	10.4	1254.9	46.7	406.6	48.6	140.1	89.2	145.0	157.0	1.9	7.3	1.0	319.9	350.6	307.6	12.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00072	814196.46	8194101.41	166.32	11.0	12.0	75.0	4269.2	2.1	11.5	1326.1	50.6	554.1	61.8	177.9	113.3	184.1	199.4	1.9	8.3	1.1	451.2	483.6	437.2	14.1
SMDH 00072	814196.46	8194101.41	166.32	12.0	13.0	60.0	4810.9	2.5	14.5	1207.8	48.9	488.6	75.7	218.1	138.8	225.7	244.4	2.3	10.6	1.4	363.3	395.3	350.4	12.8
SMDH 00072	814196.46	8194101.41	166.32	13.0	14.0	90.0	4568.4	2.4	13.2	1229.7	63.6	537.8	72.9	209.8	133.6	217.2	235.2	2.1	9.5	1.3	394.8	436.6	377.8	17.0
SMDH 00072	814196.46	8194101.41	166.32	14.0	15.0	70.0	4296.2	2.3	11.8	1283.9	52.7	493.8	54.9	158.1	100.6	163.6	177.1	2.0	8.5	1.0	421.1	455.0	406.8	14.3
SMDH 00072	814196.46	8194101.41	166.32	15.0	15.5	80.0	4048.3	2.1	11.2	1194.0	44.4	499.3	53.0	152.6	97.1	157.9	171.0	1.8	7.9	1.1	383.3	411.9	371.4	11.9
SMDH 00072	814196.46	8194101.41	166.32	15.5	16.0	80.0	4048.3	2.1	11.2	1194.0	44.4	499.3	53.0	152.6	97.1	157.9	171.0	1.8	7.9	1.1	383.3	411.9	371.4	11.9
SMDH 00073	814079.82	8194105.21	166.47	0.0	1.0	20.0	3194.7	1.3	10.1	722.2	37.9	814.7	48.9	140.7	89.6	145.6	157.7	1.1	7.8	1.0	425.0	448.3	413.7	11.2
SMDH 00073	814079.82	8194105.21	166.47	1.0	2.0	50.0	4215.4	2.0	10.9	1327.5	49.2	962.4	54.2	156.2	99.4	161.7	175.1	1.7	8.0	0.9	543.3	574.5	529.8	13.5
SMDH 00073	814079.82	8194105.21	166.47	2.0	3.0	60.0	5204.8	2.6	17.0	1110.2	39.2	854.5	93.5	269.4	171.5	278.8	301.9	2.3	13.3	1.1	583.7	607.5	572.3	11.4
SMDH 00073	814079.82	8194105.21	166.47	3.0	4.0	50.0	3823.2	2.1	8.6	1389.4	31.1	628.9	41.0	118.0	75.1	122.2	132.3	1.9	5.8	0.7	385.3	404.2	376.4	9.0
SMDH 00073	814079.82	8194105.21	166.47	4.0	5.0	60.0	4718.6	2.9	10.0	1758.2	26.9	589.2	45.3	130.5	83.1	135.1	146.3	2.6	6.4	0.7	405.6	421.3	397.6	8.0
SMDH 00073	814079.82	8194105.21	166.47	5.0	6.0	70.0	4707.1	2.5	11.6	1587.2	39.5	704.4	60.0	172.8	110.0	178.8	193.6	2.2	8.3	0.8	497.6	522.0	486.3	11.3
SMDH 00073	814079.82	8194105.21	166.47	6.0	7.0	60.0	8154.2	5.6	15.5	3270.5	33.2	511.0	62.2	179.2	114.0	185.4	200.8	5.2	9.0	0.8	328.3	348.9	319.3	9.0
SMDH 00073	814079.82	8194105.21	166.47	7.0	8.0	98.0	4663.3	2.8	12.1	1449.4	43.9	308.5	53.1	152.8	97.3	158.1	171.2	2.5	8.2	1.1	307.4	336.0	295.7	11.6
SMDH 00073	814079.82	8194105.21	166.47	8.0	9.0	90.0	4917.4	2.5	16.2	1015.5	65.3	532.5	72.6	209.1	133.1	216.4	234.3	2.3	12.1	1.5	335.2	377.4	317.3	17.9
SMDH 00073	814079.82	8194105.21	166.47	9.0	10.0	75.0	4851.5	2.6	14.8	1259.2	42.8	290.7	59.3	170.8	108.7	176.7	191.4	2.4	10.8	1.4	338.2	365.6	326.4	11.7
SMDH 00073	814079.82	8194105.21	166.47	10.0	11.0	95.0	5783.7	3.2	18.1	1374.5	64.6	443.6	78.3	225.4	143.5	233.3	252.6	2.9	13.6	1.4	379.3	420.8	361.4	17.9
SMDH 00073	814079.82	8194105.21	166.47	11.0	12.0	70.0	5155.3	2.8	13.9	1575.9	19.5	486.3	72.0	207.5	132.1	214.7	232.5	2.5	9.7	1.4	413.4	424.2	407.6	5.9
SMDH 00073	814079.82	8194105.21	166.47	12.0	13.0	80.0	5446.9	2.9	12.9	2029.3	22.1	395.4	61.8	178.0	113.3	184.2	199.5	2.6	8.5	1.5	574.1	586.1	567.6	6.5
SMDH 00073	814079.82	8194105.21	166.47	13.0	13.5	60.0	3678.9	1.8	8.6	1418.1	20.3	344.4	25.0	71.9	45.8	74.4	80.6	1.6	5.6	1.2	466.0	477.2	460.0	6.1
SMDH 00073	814079.82	8194105.21	166.47	13.5	14.0	60.0	3678.9	1.8	8.6	1418.1	20.3	344.4	25.0	71.9	45.8	74.4	80.6	1.6	5.6	1.2	466.0	477.2	460.0	6.1
SMDH 00074	813958.74	8194101.90	168.02	0.0	1.0	20.0	6337.9	3.4	26.2	609.4	33.0	797.6	45.5	131.1	83.5	135.7	146.9	3.2	22.0	0.8	338.2	356.8	327.1	11.1
SMDH 00074	813958.74	8194101.90	168.02	1.0	2.0	85.0	4126.7	2.0	13.5	884.9	35.5	708.9	56.2	161.8	103.0	167.4	181.3	1.7	10.3	1.2	361.6	382.1	350.1	11.4
SMDH 00074	813958.74	8194101.90	168.02	2.0	3.0	80.0	3073.0	1.3	9.1	818.9	54.6	630.8	56.4	162.5	103.4	168.2	182.1	1.0	6.9	1.0	505.4	538.5	488.6	16.8
SMDH 00074	813958.74	8194101.90	168.02	3.0	4.0	75.0	4824.1	2.6	11.1	1786.0	45.6	626.2	59.8	172.3	109.7	178.3	193.1	2.2	7.7	0.9	443.6	471.1	430.2	13.5
SMDH 00074	813958.74	8194101.90	168.02	4.0	5.0	90.0	4033.1	2.0	10.5	1277.8	42.4	645.1	63.8	183.7	116.9	190.1	205.9	1.7	7.5	1.0	403.9	429.2	390.9	13.1
SMDH 00074	813958.74	8194101.90	168.02	5.0	6.0	80.0	4888.1	2.6	12.9	1462.1	58.0	724.9	74.5	214.6	136.6	222.1	240.5	2.3	9.3	1.1	364.9	400.2	347.1	17.8
SMDH 00074	813958.74	8194101.90	168.02	6.0	7.0	75.0	4594.1	2.4	12.4	1346.0	51.7	687.2	76.5	220.2	140.2	227.9	246.8	2.1	8.8	1.2	360.9	392.7	345.5	15.3
SMDH 00074	813958.74	8194101.90	168.02	7.0	8.0	80.0	4866.0	2.6	16.0	833.1	47.0	990.7	103.8	299.1	190.4	309.5	335.2	2.3	12.2	1.1	208.6	237.1	194.2	14.4
SMDH 00074	813958.74	8194101.90	168.02	8.0	9.0	90.0	4268.7	2.2	12.9	985.7	32.4	771.2	93.7	269.8	171.8	279.2	302.4	1.9	9.6	1.0	327.4	346.4	317.6	9.8
SMDH 00074	813958.74	8194101.90	168.02	9.0	10.0	80.0	5222.8	2.7	16.8	1134.9	40.2	739.9	104.4	300.7	191.4	311.2	337.0	2.3	12.8	1.4	451.3	474.6	438.9	12.4
SMDH 00074	813958.74	8194101.90	168.02	10.0	11.0	95.0	6779.3	3.7	21.5	1529.3	44.1	653.2	132.6	382.0	243.2	395.3	428.1	3.3	16.1	1.7	431.3	457.7	417.6	13.7
SMDH 00074	813958.74	8194101.90	168.02	11.0	12.0	95.0	5098.7	2.8	14.1	1400.0	47.2	757.4	97.9	282.0	179.5	291.8	316.0	2.4	10.1	1.2	445.7	474.2	431.6	14.1
SMDH 00074	813958.74	8194101.90	168.02	12.0	13.0	95.0	4133.1	2.1	12.7	1026.1	49.2	593.3	65.8	189.5	120.6	196.1	212.4	1.8	9.7	0.9	423.7	453.7	408.7	15.0
SMDH 00074	813958.74	8194101.90	168.02	13.0	14.0	98.0	4484.7	2.3	12.5	1272.9	61.3	629.6	68.4	197.1	125.5	204.0	220.9	2.0	9.2	1.0	435.9	473.8	417.5	18.4
SMDH 00074	813958.74	8194101.90	168.02	14.0	15.0	98.0	3824.7	1.9	11.1	1066.8	45.9	547.8	62.7	180.5	114.9	186.8	202.3	1.6	8.3	0.9	434.1	461.6	419.6	14.5
SMDH 00074	813958.74	8194101.90	168.02	15.0	16.0	98.0	3578.8	1.7	10.2	1038.5	38.9	574.9	53.3	153.5	97.7	158.9	172.0	1.5	7.7	0.8	459.5	482.1	446.9	12.6
SMDH 00074	813958.74	8194101.90	168.02	16.0	17.0	98.0	3678.1	1.8	10.3	1056.0	36.5	552.8	60.5	174.2	110.9	180.3	195.3	1.6	7.5	0.9	392.3	414.1	380.9	11.4
SMDH 00074	813958.74	8194101.90	168.02	17.0	18.0	90.0	4518.9	2.4	13.8	1105.6	33.4	506.7	84.8	244.1	155.4	252.6	273.6	2.1	10.1	1.3	353.5	373.3	342.9	10.6
SMDH 00074	813958.74	8194101.90	168.02	18.0	18.5	75.0	4362.1	2.3	12.7	1142.5	34.8	545.4	75.6	217.9	138.7	225.5	244.2	2.0	9.2	1.2	375.3	396.0	364.4	10.9
SMDH 00074	813958.74	8194101.90	168.02	18.5	19.0	75.0	4362.1	2.3	12.7	1142.5	34.8	545.4	75.6	217.9	138.7	225.5	244.2	2.0	9.2	1.2	375.3	396.0	364.4	10.9
SMDH 00075	813837.89	8194101.10	167.90	0.0	1.0	30.0	3957.7	1.8	12.8	774.6	44.2	1108.0	64.2	185.0	117.8	191.5	207.3	1.6	10.2	0.8	428.2	456.0	415.5	12.7
SMDH 00075	813837.89	8194101.10	167.90	1.0	2.0	50.0	5192.1	2.8	13.7	1539.9	65.1	855.9	66.2	190.6	121.3	197.3	213.6	2.5	10.0	0.9	428.8	470.9	410.6	18.2
SMDH 00075	813837.89	8194101.10	167.90	2.0	3.0	50.0	5993.6	3.4	15.4	1875.7	59.7	715.2	78.4	225.8	143.8	233.7	253.1	3.0	10.9	1.1	424.8	463.0	407.8	17.1
SMDH 00075	813837.89	8194101.10	167.90	3.0	4.0	90.0	5841.1	3.2	16.7	1534.1	64.2	928.9	92.0	265.1	168.7	274.4	297.1	2.8	12.3	1.2	559.4	598.9	540.5	18.9
SMDH 00075	813837.89	8194101.10	167.90	4.0	5.0	85.0	4582.9	2.4	13.3	1159.6	56.6	759.1	72.3	208.2	132.6	215.5	233.4	2.2	9.8	1.1	403.5	439.4	387.4	16.0
SMDH 00075	813837.89	8194101.10	167.90	5.0	6.0	95.0	5240.1	2.8	14.5	1442.5	51.6	936.1	79.5	229.0	145.8	237.0	256.7	2.4	10.7	1.1	538.8	570.0	523.2	15.6
SMDH 00075	813837.89	8194101.10	167.90	6.0	7.0	75.0	5784.8	3.0	15.9	1609.2	43.5	1091.0	96.5	277.9	176.9	287.6	311.5	2.7	11.7	1.2	640.9	666.9	628.0	12.9
SMDH 00075	813837.89	8194101.10	167.90	7.0	8.0	95.0	6242.0	3.5	17.1	1727.0	51.0	949.2	97.3	280.3	178.5	290.1	314.2	3.1	12.5	1.2	622.8	653.7	607.5	15.3
SMDH 00075	813837.89	8194101.10	167.90	8.0	9.0	75.0	5876.8	3.3	17.1	1520.6	42.2	811.8	90.4	260.3	165.7	269.4	291.7	2.9	12.7	1.1	489.0	515.1	476.8	12.2
SMDH 00075	813837.89	8194101.10	167.90	9.0	10.0	98.0	4713.9	2.5	13.3	1337.9	56.0	559.1	69.3	199.6	127.1	206.6	223.7	2.2	9.7	1.1	472.5	507.7	456.3	16.2
SMDH 00075	813837.89	8194101.10	167.90	10.0	11.0	98.0	4492.6	2.4	13.9	1072.2	47.3	588.7	63.0	181.3	115.4	187.7	203.2	2.1	10.4	1.1	387.4	416.9	373.7	13.7
SMDH 00075	813837.89	8194101.10	167.90	11.0	12.0	85.0	4581.4	2.2	13.1	1275.2	74.1	698.2	72.0	207.2	131.9	214.5	232.2	1.9	9.7	1.2	597.1	642.5	574.7	22.4
SMDH 00075	813837.89	8194101.10	167.90	12.0	13.0	85.0	4255.6	2.1	11.2	1351.4	50.7	609.8	60.8	175.3	111.6	181.4	196.4	1.9	8.2	0.9	557.1	588.0	542.4	14.6
SMDH 00075	813837.89	8194101.10	167.90	13.0	14.0	90.0	5080.3	2.8	14.4	1374.2	20.1	662.7	101.0	290.8	185.1	301.0	325.9	2.4	10.4	1.3	436.8	447.5	430.4	6.4
SMDH 00075	813837.89	8194101.10	167.90	14.0	15.0	75.0	3869.6	2.0	10.4	1114.2	55.5	707.3	65.9	189.8	120.8	196.4	212.7	1.7	7.5	0.8	483.2	516.4	466.0	17.3
SMDH 00075	813837.89	8194101.10	167.90	15.0	16.0	80.0	4437.1	2.6	12.5	973.3	14.6	981.7	101.2	291.5	185.6	301.7	326.7	2.3	8.6	1.4	168.0	175.7	163.4	4.5
SMDH 00075	813837.89	8194101.10	167.90	16.0	17.0	90.0	5050.8	2.7	12.8	1647.6	45.3	712.7	85.8	247.1	157.3	255.8	277.0	2.3	9.1	1.1	569.8	596.1	555.2	14.7
SMDH 00075	813837.89	8194101.10	167.90	17.0	18.0	75.0	4730.7	2.5	13.4	1250.8	44.0	803.9	81.8	235.5	149.9	243.8	264.0	2.2	9.8	1.2	468.8	494.6	455.2	13.6
SMDH 00075	813837.89	8194101.10	167.90	18.0	18.5	80.0	4567.6	2.4	13.0	1197.9	53.5	807.3	86.3	248.5	158.2	257.2	278.5	2.1	9.5	1.1	493.6	524.4	476.0	17.6
SMDH 00075	813837.89	8194101.10	167.90	18.5	19.0	80.0	4567.6	2.4	13.0	1197.9	53.5	807.3	86.3	248.5	158.2	257.2	278.5	2.1	9.5	1.1	493.6	524.4	476.0	17.6
SMDH 00076	813717.01	8194099.72	164.40	0.0	1.0	50.0	2624.5	1.2	7.8	597.6	36.1	858.8	45.4	130.7	83.2	135.2	146.5	1.0	6.2	0.5	322.4	344.3	311.5	10.9
SMDH 00076	813717.01	8194099.72	164.40	1.0	2.0	15.0	3922.6	1.7	11.6	833.1	48.9	1695.8	61.1	175.8	111.9	182.0	197.1	1.3	9.3	0.7	521.2	551.1	506.8	14.5
SMDH 00076	813717.01	8194099.72	164.40	2.0	3.0	80.0	5222.3	2.9	18.5	592.5	28.3	1457.9	97.9	281.9	179.5	291.8	316.0	2.5	14.6	1.0	198.6	215.8	190.2	8.4
SMDH 00076	813717.01	8194099.72	164.40	3.0	4.0	80.0	5547.5	3.3	15.5	1356.2	32.1	1003.9	83.6	240.8	153.3	249.2	269.9	3.0	11.2	1.0	158.3	178.4	149.1	9.2
SMDH 00076	813717.01	8194099.72	164.40	4.0	5.0	90.0	8190.5	5.2	26.7	1601.4	38.5	530.1	144.4	415.8	264.7	430.3	466.0	4.8	20.2	1.4	176.4	200.8	165.3	11.0
SMDH 00076	813717.01	8194099.72	164.40	5.0	6.0	98.0	6297.9	4.0	20.7	1223.6	15.6	303.0	104.8	301.7	192.1	312.3	338.2	3.7	15.5	1.2	81.9	90.7	77.2	4.7
SMDH 00076	813717.01	8194099.72	164.40	6.0	6.5	90.0	7542.4	4.8	25.5	1286.5	18.0	574.9	136.4	392.8	250.1	406.5	440.2	4.5	19.3	1.3	92.6	102.6	86.8	5.7
SMDH 00076	813717.01	8194099.72	164.40	6.5	7.0	90.0	7542.4	4.8	25.5	1286.5	18.0	574.9	136.4	392.8	250.1	406.5	440.2	4.5	19.3	1.3	92.6	102.6	86.8	5.7
SMDH 00077	813597.11	8194101.14	163.88	0.0	1.0	75.0	3485.1	2.0	10.1	802.6	12.3	608.5	63.1	181.8	115.7	188.1	203.7	1.8	7.0	1.1	155.5	162.2	151.7	3.8
SMDH 00077	813597.11	8194101.14	163.88	1.0	2.0	60.0	4906.3	2.3	16.2	993.0	56.9	923.1	85.1	245.1	156.0	253.7	274.7	2.0	12.6	1.3	546.8	581.8	529.9	16.9
SMDH 00077	813597.11	8194101.14	163.88	2.0	3.0	80.0	5953.9	3.1	18.9	1292.2	70.0	886.8	107.7	310.2	197.5	321.0	347.6	2.7	14.3	1.5	564.5	607.3	543.5	21.0
SMDH 00077	813597.11	8194101.14	163.88	3.0	4.0	70.0	5169.1	2.7	14.3	1479.5	48.2	752.6	84.8	244.3	155.5	252.8	273.8	2.3	10.4	1.3	597.4	626.0	583.1	14.2
SMDH 00077	813597.11	8194101.14	163.88	4.0	5.0	85.0	4661.2	2.4	11.2	1664.4	33.2	550.7	66.6	191.9	122.1	198.6	215.0	2.1	7.7	1.1	576.1	595.5	566.5	9.6
SMDH 00077	813597.11	8194101.14	163.88	5.0	6.0	98.0	5348.2	3.0	15.1	1398.2	45.7	781.3	94.2	271.3	172.7	280.8	304.0	2.6	10.9	1.2	404.8	432.5	391.3	13.4
SMDH 00077	813597.11	8194101.14	163.88	6.0	7.0	80.0	5137.9	2.8	14.6	1448.9	59.2	447.9	81.9	235.8	150.1	244.1	264.3	2.5	10.7	1.2	479.6	516.0	462.0	17.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00077	813597.11	8194101.14	163.88	7.0	8.0	98.0	6023.8	3.2	17.4	1575.4	70.7	886.8	104.5	300.9	191.5	311.4	337.2	2.8	12.9	1.4	602.6	645.6	581.0	21.6
SMDH 00077	813597.11	8194101.14	163.88	8.0	9.0	85.0	5274.3	3.0	14.9	1364.8	31.4	689.5	88.9	256.1	163.0	265.1	287.0	2.6	10.3	1.6	310.6	329.0	301.3	9.3
SMDH 00077	813597.11	8194101.14	163.88	9.0	10.0	85.0	4748.9	2.8	11.1	1690.8	21.9	311.3	44.0	126.7	80.7	131.2	142.0	2.5	6.9	1.4	215.2	227.9	208.8	6.4
SMDH 00077	813597.11	8194101.14	163.88	10.0	11.0	75.0	4995.6	2.8	13.5	1399.0	17.5	675.0	84.1	242.3	154.3	250.8	271.6	2.5	9.4	1.3	350.4	359.7	345.1	5.3
SMDH 00078	813488.28	8194118.61	162.86	0.0	1.0	5.0	3336.1	0.9	4.3	1657.1	100.6	1729.8	52.6	151.6	96.5	156.9	169.9	0.5	2.7	0.7	1034.0	1095.3	1003.4	30.7
SMDH 00078	813488.28	8194118.61	162.86	1.0	2.0	15.0	3122.4	1.4	7.2	1079.4	44.9	641.3	76.2	219.5	139.7	227.1	246.0	1.1	4.6	1.3	526.0	553.1	512.6	13.4
SMDH 00078	813488.28	8194118.61	162.86	2.0	3.0	30.0	3350.7	1.5	7.1	1241.4	58.6	748.6	75.4	217.0	138.2	224.6	243.2	1.2	4.5	1.2	559.8	596.4	543.1	16.6
SMDH 00078	813488.28	8194118.61	162.86	3.0	4.0	80.0	3568.3	1.8	8.5	1133.5	54.2	709.6	90.1	259.4	165.1	268.4	290.7	1.5	5.5	1.2	476.7	510.2	460.6	16.1
SMDH 00078	813488.28	8194118.61	162.86	4.0	5.0	40.0	3344.3	1.7	7.6	1109.7	50.6	660.8	81.7	235.4	149.9	243.6	263.8	1.4	4.6	1.2	415.2	446.5	400.3	14.9
SMDH 00078	813488.28	8194118.61	162.86	5.0	6.0	100.0	5452.7	2.9	14.6	1599.5	54.9	822.0	98.8	284.5	181.1	294.4	318.8	2.5	10.4	1.4	564.5	598.6	548.9	15.6
SMDH 00078	813488.28	8194118.61	162.86	6.0	7.0	50.0	5386.2	2.6	13.4	1863.6	71.3	697.2	93.1	268.1	170.7	277.5	300.5	2.3	9.4	1.4	767.7	811.6	746.8	20.9
SMDH 00078	813488.28	8194118.61	162.86	7.0	8.0	70.0	4022.0	2.1	9.9	1230.4	52.0	745.2	94.6	272.5	173.5	282.1	305.4	1.7	6.5	1.3	448.1	480.9	433.3	14.8
SMDH 00078	813488.28	8194118.61	162.86	8.0	9.0	60.0	4808.0	2.4	14.3	1215.4	55.2	714.9	85.7	246.8	157.1	255.4	276.6	2.1	10.6	1.3	515.6	549.2	498.8	16.8
SMDH 00079	813357.80	8194106.36	160.22	0.0	1.0	10.0	1427.9	0.4	2.4	660.9	43.0	574.7	26.9	77.6	49.4	80.3	87.0	0.3	1.7	0.3	406.9	434.0	394.6	12.3
SMDH 00079	813357.80	8194106.36	160.22	1.0	2.0	15.0	2722.9	1.3	6.9	848.1	47.7	520.5	58.2	167.7	106.8	173.6	188.0	1.1	4.8	0.8	343.9	374.0	330.2	13.7
SMDH 00079	813357.80	8194106.36	160.22	2.0	3.0	15.0	4365.1	1.8	7.8	1921.2	100.5	1326.4	49.3	141.9	90.3	146.8	159.0	1.4	5.2	0.8	994.1	1056.0	964.0	30.1
SMDH 00079	813357.80	8194106.36	160.22	3.0	4.0	50.0	5291.9	3.0	13.0	1628.8	78.8	722.9	104.9	302.2	192.4	312.8	338.7	2.6	8.7	1.3	482.0	530.7	458.5	23.4
SMDH 00079	813357.80	8194106.36	160.22	4.0	5.0	70.0	4359.4	2.4	10.9	1315.3	61.2	702.1	92.6	266.8	169.8	276.1	298.9	2.0	7.2	1.3	432.8	470.8	415.0	17.8
SMDH 00079	813357.80	8194106.36	160.22	5.0	6.0	100.0	4422.6	2.4	9.5	1606.9	60.4	616.5	83.4	240.2	152.9	248.6	269.2	2.1	5.8	1.3	387.9	426.0	370.6	17.3
SMDH 00079	813357.80	8194106.36	160.22	6.0	7.0	80.0	3697.3	1.9	8.6	1205.2	69.1	602.8	86.4	249.0	158.5	257.7	279.0	1.6	5.5	1.2	388.0	432.7	369.0	19.0
SMDH 00079	813357.80	8194106.36	160.22	7.0	8.0	90.0	3748.4	1.9	9.0	1144.7	86.2	658.5	88.1	253.7	161.5	262.6	284.4	1.6	5.8	1.4	417.4	472.3	392.7	24.7
SMDH 00079	813357.80	8194106.36	160.22	8.0	9.0	10.0	4168.5	2.2	10.1	1275.5	73.5	757.1	103.6	298.4	190.0	308.9	334.4	1.8	6.6	1.3	474.8	521.4	453.7	21.1
SMDH 00080	813236.69	8194094.86	159.60	0.0	1.0	10.0	4309.3	2.2	14.0	874.4	48.7	693.8	74.3	213.9	136.2	221.4	239.7	1.9	10.6	1.3	396.2	427.1	382.4	13.8
SMDH 00080	813236.69	8194094.86	159.60	1.0	2.0	10.0																		
SMDH 00080	813236.69	8194094.86	159.60	2.0	3.0	10.0	8154.0	5.0	15.3	3522.6	68.9	486.2	60.6	174.6	111.1	180.7	195.7	4.6	9.2	1.0	457.5	500.0	437.4	20.1
SMDH 00080	813236.69	8194094.86	159.60	3.0	4.0	80.0	6896.8	4.8	9.0	3345.7	22.8	512.2	78.3	225.5	143.5	233.4	252.7	4.3	3.2	1.0	319.9	331.8	312.4	7.4
SMDH 00080	813236.69	8194094.86	159.60	4.0	5.0	90.0	5157.4	3.2	12.1	1701.7	14.7	541.5	84.1	242.3	154.3	250.8	271.6	2.9	7.7	1.2	320.9	328.7	316.6	4.3
SMDH 00080	813236.69	8194094.86	159.60	5.0	6.0	90.0	4132.4	2.5	11.6	1009.0	14.5	531.8	75.9	218.7	139.2	226.3	245.1	2.2	7.8	1.3	163.0	171.3	158.9	4.1
SMDH 00080	813236.69	8194094.86	159.60	6.0	7.0	80.0	3244.0	1.9	7.8	1008.0	8.9	395.1	53.1	153.0	97.4	158.3	171.4	1.7	4.6	1.2	71.4	75.9	69.0	2.4
SMDH 00081	813119.35	8194102.14	158.61	0.0	1.0	10.0	3334.7	1.6	9.5	981.1	31.0	429.6	45.4	130.8	83.3	135.4	146.6	1.4	6.9	0.9	428.7	447.2	419.3	9.4
SMDH 00081	813119.35	8194102.14	158.61	1.0	2.0	10.0	5210.2	3.1	12.1	1864.6	19.9	410.9	58.1	167.4	106.6	173.2	187.6	2.8	7.9	1.2	420.9	432.0	415.6	5.3
SMDH 00081	813119.35	8194102.14	158.61	2.0	3.0	20.0	5333.6	2.9	14.0	1707.3	32.2	460.3	77.0	221.9	141.2	229.6	248.7	2.6	9.8	1.3	578.0	596.5	568.3	9.8
SMDH 00081	813119.35	8194102.14	158.61	3.0	4.0	80.0	5625.7	3.1	18.3	1145.0	53.8	595.0	92.4	266.2	169.4	275.5	298.3	2.8	13.8	1.4	398.5	432.9	383.5	15.0
SMDH 00081	813119.35	8194102.14	158.61	4.0	5.0	80.0	4094.7	2.2	12.4	988.6	26.4	451.4	62.2	179.1	114.0	185.3	200.7	2.0	8.9	1.3	301.8	317.7	294.1	7.7
SMDH 00081	813119.35	8194102.14	158.61	5.0	6.0	70.0	4426.5	2.4	13.9	973.5	32.9	529.1	70.9	204.2	130.0	211.3	228.9	2.2	10.2	1.2	315.0	335.3	305.8	9.2
SMDH 00081	813119.35	8194102.14	158.61	6.0	7.0	90.0	5021.8	2.6	15.4	1192.1	57.4	646.6	78.5	226.1	144.0	234.0	253.4	2.3	11.5	1.3	479.3	514.9	463.0	16.2
SMDH 00081	813119.35	8194102.14	158.61	7.0	8.0	100.0	5092.8	2.7	16.4	1088.7	44.4	550.2	87.2	251.3	159.9	260.0	281.6	2.5	12.2	1.4	413.8	441.3	401.3	12.5
SMDH 00081	813119.35	8194102.14	158.61	8.0	9.0	100.0	4368.5	2.4	15.0	773.6	37.3	492.2	75.4	217.1	138.2	224.7	243.3	2.1	11.3	1.3	293.3	316.8	283.1	10.2
SMDH 00081	813119.35	8194102.14	158.61	9.0	10.0	100.0	4088.0	2.2	13.3	849.3	40.9	484.7	66.4	191.3	121.8	198.0	214.4	2.0	9.9	1.2	316.3	342.1	304.5	11.9
SMDH 00082	812999.68	8194094.53	158.14	0.0	1.0	5.0	5489.4	3.0	15.4	1485.7	60.2	717.9	85.4	246.0	156.6	254.6	275.7	2.7	11.2	1.2	492.1	530.4	475.6	16.5
SMDH 00082	812999.68	8194094.53	158.14	1.0	2.0	10.0	6637.8	4.0	14.5	2519.8	57.8	453.1	82.2	236.8	150.8	245.1	265.4	3.6	9.4	1.2	401.6	438.7	385.6	16.0
SMDH 00082	812999.68	8194094.53	158.14	2.0	3.0	10.0	6471.5	3.8	16.4	2163.3	62.7	365.5	72.0	207.3	132.0	214.5	232.3	3.4	11.4	1.2	448.8	489.4	431.3	17.5
SMDH 00082	812999.68	8194094.53	158.14	3.0	4.0	70.0	5345.0	3.0	15.7	1368.5	80.4	415.8	83.1	239.2	152.3	247.6	268.1	2.7	11.4	1.3	381.7	433.5	358.6	23.0
SMDH 00082	812999.68	8194094.53	158.14	4.0	5.0	80.0	5644.0	3.3	13.7	1696.1	67.1	1160.1	65.2	187.8	119.6	194.4	210.5	2.9	9.3	1.2	273.5	317.2	255.0	18.5
SMDH 00082	812999.68	8194094.53	158.14	5.0	6.0	100.0	4689.5	2.6	15.2	935.4	98.8	377.9	78.3	225.4	143.5	233.2	252.6	2.4	11.3	1.3	302.7	367.9	275.6	27.2
SMDH 00082	812999.68	8194094.53	158.14	6.0	7.0	50.0	4730.9	2.6	14.4	1091.0	98.4	445.2	66.1	190.4	121.2	197.1	213.4	2.4	10.5	1.3	305.4	370.8	278.5	26.9
SMDH 00082	812999.68	8194094.53	158.14	7.0	8.0	100.0	5636.7	3.1	16.6	1435.8	93.8	585.9	84.4	243.1	154.7	251.5	272.4	2.8	12.2	1.3	483.1	545.3	457.7	25.5
SMDH 00082	812999.68	8194094.53	158.14	8.0	9.0	70.0	4858.5	2.8	13.3	1395.4	59.3	373.6	61.2	176.4	112.3	182.5	197.7	2.5	9.2	1.2	280.6	319.1	263.8	16.8
SMDH 00082	812999.68	8194094.53	158.14	9.0	10.0	60.0	4548.6	2.5	15.5	768.9	62.9	559.0	80.8	232.8	148.2	241.0	260.9	2.3	11.7	1.3	308.7	349.8	291.1	17.7
SMDH 00082	812999.68	8194094.53	158.14	10.0	11.0	50.0	4932.9	2.7	16.0	969.6	62.2	678.1	82.2	236.7	150.7	244.9	265.2	2.4	12.1	1.3	388.5	428.0	370.0	18.5
SMDH 00082	812999.68	8194094.53	158.14	11.0	12.0	100.0	3696.6	2.0	10.0	950.3	54.9	526.0	88.0	253.3	161.3	262.2	283.9	1.8	6.7	1.3	304.4	340.2	289.2	15.3
SMDH 00083	812880.86	8194105.47	157.92	0.0	1.0	10.0	3731.7	2.0	14.5	416.1	27.0	471.8	63.0	181.4	115.5	187.7	203.3	1.9	11.7	0.8	157.2	174.2	149.6	7.6
SMDH 00083	812880.86	8194105.47	157.92	1.0	2.0	15.0	3109.6	1.6	10.8	519.7	28.9	476.2	62.4	179.8	114.5	186.1	201.5	1.4	8.4	0.8	235.0	252.7	226.5	8.5
SMDH 00083	812880.86	8194105.47	157.92	2.0	3.0	20.0	4880.4	2.7	15.5	1085.2	34.1	546.0	75.0	216.0	137.5	223.6	242.1	2.4	11.8	1.1	340.6	361.4	330.8	9.8
SMDH 00083	812880.86	8194105.47	157.92	3.0	4.0	60.0	4254.5	2.3	12.3	1147.8	20.1	468.0	58.4	168.2	107.1	174.1	188.5	2.1	8.8	1.1	314.3	325.6	308.2	6.1
SMDH 00083	812880.86	8194105.47	157.92	4.0	5.0	100.0	4902.2	2.8	15.3	1088.1	20.1	554.8	75.2	216.6	137.9	224.1	242.7	2.6	11.2	1.2	274.7	286.1	268.3	6.4
SMDH 00083	812880.86	8194105.47	157.92	5.0	6.0	100.0	4864.6	2.6	16.5	968.7	24.3	476.8	67.3	193.9	123.4	200.7	217.3	2.4	12.6	1.2	345.4	360.2	338.9	6.5
SMDH 00083	812880.86	8194105.47	157.92	6.0	7.0	90.0	4557.2	2.5	15.1	961.4	20.9	384.2	61.0	175.5	111.7	181.7	196.7	2.3	11.4	1.2	298.8	310.8	292.5	6.3
SMDH 00083	812880.86	8194105.47	157.92	7.0	8.0	100.0	3805.3	2.0	12.7	749.9	16.0	381.8	54.6	157.2	100.1	162.7	176.2	1.9	9.4	1.3	230.2	239.0	225.3	4.9
SMDH 00084	812764.04	8194108.83	157.68	0.0	1.0	10.0	2506.3	1.1	6.7	651.0	53.1	882.9	58.4	168.3	107.1	174.2	188.6	0.9	5.1	0.5	352.4	386.4	337.4	15.0
SMDH 00084	812764.04	8194108.83	157.68	1.0	2.0	20.0	1818.2	0.9	6.2	345.6	20.1	287.0	31.0	89.3	56.9	92.4	100.1	0.8	4.9	0.4	169.7	182.2	164.1	5.6
SMDH 00084	812764.04	8194108.83	157.68	2.0	3.0	30.0	2550.5	1.3	8.8	451.9	30.9	382.2	52.4	151.0	96.1	156.3	169.2	1.1	6.7	0.7	223.5	242.9	214.5	9.0
SMDH 00084	812764.04	8194108.83	157.68	3.0	4.0	70.0	3107.9	1.5	8.6	812.7	40.1	836.7	46.6	134.3	85.5	139.0	150.5	1.3	6.3	0.8	339.7	364.2	327.7	12.0
SMDH 00084	812764.04	8194108.83	157.68	4.0	5.0	70.0	4141.4	2.2	14.5	618.8	38.2	605.1	92.2	265.7	169.1	275.0	297.8	2.0	11.0	1.3	270.7	294.8	260.0	10.8
SMDH 00084	812764.04	8194108.83	157.68	5.0	6.0	70.0	5240.0	2.3	13.6	1568.7	86.3	1530.0	79.8	229.9	146.4	238.0	257.7	1.9	10.2	1.2	848.6	902.9	823.9	24.6
SMDH 00084	812764.04	8194108.83	157.68	6.0	7.0	100.0	3955.6	1.6	10.1	1522.1	57.1	493.0	46.4	133.7	85.1	138.4	149.8	1.3	7.5	1.0	884.2	918.2	867.1	17.1
SMDH 00084	812764.04	8194108.83	157.68	7.0	8.0	100.0	3394.3	1.8	13.0	452.1	14.4	312.8	45.6	131.4	83.6	136.0	147.3	1.6	10.2	1.0	176.5	184.7	172.2	4.2
SMDH 00084	812764.04	8194108.83	157.68	8.0	9.0	80.0	4357.8	2.4	12.9	1214.9	16.3	297.4	38.2	109.9	70.0	113.8	123.2	2.2	9.4	1.0	291.6	300.6	286.6	5.0
SMDH 00084	812764.04	8194108.83	157.68	9.0	10.0	70.0	5353.7	3.2	13.1	1855.2	12.0	185.6	47.7	137.4	87.5	142.2	154.0	3.0	8.6	1.3	198.1	204.3	194.3	3.8
SMDH 00084	812764.04	8194108.83	157.68	10.0	11.0	40.0	3209.3	1.7	7.9	1050.2	11.0	380.7	34.2	98.5	62.7	102.0	110.4	1.5	4.9	1.3	173.6	179.7	170.8	2.8
SMDH 00085	812646.43	8194098.97	157.49	0.0	1.0	30.0	3050.8	1.5	9.5	642.6	47.1	587.0	72.0	207.5	132.1	214.7	232.5	1.3	7.2	0.8	272.0	301.9	258.6	13.4
SMDH 00085	812646.43	8194098.97	157.49	1.0	2.0	75.0	4637.8	2.6	14.2	1062.7	56.3	461.1	106.1	305.6	194.5	316.3	342.5	2.3	10.5	1.2	275.8	311.7	259.8	16.0
SMDH 00085	812646.43	8194098.97	157.49	2.0	3.0	75.0	4389.0	2.3	16.6	544.6	51.4	346.0	107.2	308.7	196.5	319.4	345.9	2.1	13.0	1.3	257.6	290.6	243.1	14.5
SMDH 00085	812646.43	8194098.97	157.49	3.0	4.0	40.0	2644.0	1.1	6.5	823.1	49.9	949.3	35.5	102.3	65.1	105.8	114.6	0.8	4.8	0.7	439.7	470.9	425.4	14.4
SMDH 00085	812646.43	8194098.97	157.49	4.0	5.0	80.0	2925.0	1.4	7.2	933.8	45.9	684.8	43.5	125.4	79.8	129.7	140.5	1.2	5.0	0.8	395.8	424.8	383.0	12.8
SMDH 00085	812646.43	8194098.97	157.49	5.0	6.0	70.0	2552.6	0.9	5.5	1044.3	53.1	610.3	41.1	118.5	75.4	122.6	132.8	0.7	3.9	0.7	606.8	639.5	591.0	15.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00085	812646.43	8194098.97	157.49	6.0	7.0	90.0	5280.2	1.5	7.5	3151.1	140.8	960.6	41.1	118.5	75.4	122.6	132.8	1.0	5.3	0.7	1911.5	1997.7	1869.9	41.6
SMDH 00085	812646.43	8194098.97	157.49	7.0	8.0	80.0	4399.3	2.1	12.6	1296.0	43.1	563.7	48.1	138.4	88.1	143.3	155.1	1.9	9.4	1.0	629.0	654.7	616.1	12.9
SMDH 00085	812646.43	8194098.97	157.49	8.0	9.0	75.0	3308.2	1.8	7.9	1092.2	26.8	508.8	51.3	147.8	94.1	152.9	165.6	1.6	5.2	0.9	344.4	359.8	336.3	8.2
SMDH 00085	812646.43	8194098.97	157.49	9.0	10.0	60.0	4091.4	2.1	10.4	1303.1	37.0	561.8	67.6	194.8	124.0	201.6	218.3	1.9	7.1	1.2	478.1	500.0	467.2	10.9
SMDH 00085	812646.43	8194098.97	157.49	10.0	11.0	90.0	3744.6	2.1	12.0	751.9	21.4	462.8	69.7	200.8	127.8	207.9	225.1	1.9	8.7	1.2	250.5	263.4	244.5	6.0
SMDH 00085	812646.43	8194098.97	157.49	11.0	12.0	95.0	3969.6	2.2	11.5	964.8	26.6	606.6	72.3	208.1	132.5	215.4	233.2	1.9	8.1	1.3	270.2	286.4	262.4	7.7
SMDH 00085	812646.43	8194098.97	157.49	12.0	13.0	98.0	4118.8	2.3	12.4	931.2	26.8	594.0	87.3	251.4	160.0	260.2	281.7	2.0	8.9	1.2	305.7	321.9	297.9	7.8
SMDH 00085	812646.43	8194098.97	157.49	13.0	14.0	70.0	3415.7	1.9	9.4	942.4	12.1	405.6	61.9	178.2	113.4	184.4	199.7	1.6	6.3	1.3	234.8	241.6	231.8	3.0
SMDH 00086	814493.28	8194226.32	168.49	0.0	1.0	10.0	4711.2	2.3	17.7	536.8	35.0	1015.3	151.5	436.3	277.7	451.6	489.0	2.0	14.4	0.9	304.4	325.9	294.2	10.2
SMDH 00086	814493.28	8194226.32	168.49	1.0	2.0	40.0	5334.3	2.6	20.4	666.6	42.4	783.4	132.9	382.7	243.6	396.1	428.9	2.3	16.2	1.6	392.2	418.2	379.8	12.4
SMDH 00086	814493.28	8194226.32	168.49	2.0	3.0	60.0	3975.0	1.9	14.8	572.1	38.5	512.2	79.9	230.2	146.5	238.2	257.9	1.7	11.6	1.2	307.3	331.6	296.5	10.8
SMDH 00086	814493.28	8194226.32	168.49	3.0	4.0	60.0																		
SMDH 00086	814493.28	8194226.32	168.49	4.0	5.0	75.0	5452.0	3.1	14.3	1736.9	43.1	447.5	72.4	208.4	132.7	215.7	233.6	2.8	10.1	1.1	299.7	326.5	287.4	12.2
SMDH 00086	814493.28	8194226.32	168.49	5.0	6.0	75.0	4716.7	2.5	13.1	1367.1	54.8	502.1	71.9	207.0	131.8	214.2	232.0	2.2	9.5	1.1	322.3	356.7	306.6	15.7
SMDH 00086	814493.28	8194226.32	168.49	6.0	7.0	80.0	8157.5	5.1	16.6	3348.6	43.9	463.3	58.1	167.5	106.6	173.3	187.7	4.7	10.6	0.8	248.2	276.0	235.8	12.4
SMDH 00086	814493.28	8194226.32	168.49	7.0	8.0	98.0	3668.3	1.8	12.7	695.2	39.0	479.6	64.9	187.0	119.0	193.5	209.6	1.6	9.8	1.1	340.5	364.2	328.9	11.6
SMDH 00086	814493.28	8194226.32	168.49	8.0	9.0	80.0	4620.6	2.3	17.1	708.1	43.1	540.9	91.1	262.3	167.0	271.5	294.0	2.0	13.5	1.3	368.8	395.3	356.6	12.2
SMDH 00086	814493.28	8194226.32	168.49	9.0	10.0	80.0	4477.4	2.2	15.6	847.4	48.6	498.6	79.3	228.5	145.5	236.5	256.1	2.0	12.2	1.2	353.1	382.3	338.1	15.0
SMDH 00086	814493.28	8194226.32	168.49	10.0	11.0	80.0	3298.3	1.5	10.7	708.4	38.1	481.7	77.8	224.2	142.7	232.0	251.3	1.3	8.0	1.2	348.7	371.7	337.5	11.2
SMDH 00086	814493.28	8194226.32	168.49	11.0	12.0	90.0	2928.1	1.3	9.2	644.2	31.0	616.9	56.6	163.0	103.7	168.6	182.6	1.1	6.9	1.0	318.1	336.8	309.1	9.0
SMDH 00086	814493.28	8194226.32	168.49	12.0	13.0	75.0	4021.8	2.1	12.3	978.3	24.3	508.6	65.9	189.7	120.8	196.4	212.6	1.9	9.1	1.1	238.8	253.6	232.0	6.8
SMDH 00086	814493.28	8194226.32	168.49	13.0	14.0	98.0	5392.2	3.0	14.5	1644.7	32.1	528.6	72.7	209.4	133.3	216.7	234.7	2.7	10.4	1.0	289.8	309.5	280.7	9.1
SMDH 00086	814493.28	8194226.32	168.49	14.0	15.0	98.0	5397.9	2.9	14.1	1656.6	55.1	723.9	80.0	230.5	146.7	238.5	258.3	2.6	10.0	1.1	345.5	379.9	329.6	15.9
SMDH 00086	814493.28	8194226.32	168.49	15.0	15.5	95.0	3106.0	1.6	8.5	956.1	13.4	283.3	39.8	114.7	73.0	118.7	128.5	1.4	5.8	1.1	251.5	258.8	247.5	4.0
SMDH 00086	814493.28	8194226.32	168.49	15.5	16.0	95.0	3106.0	1.6	8.5	956.1	13.4	283.3	39.8	114.7	73.0	118.7	128.5	1.4	5.8	1.1	251.5	258.8	247.5	4.0
SMDH 00087	814380.83	8194222.00	168.37	0.0	1.0	40.0	3605.6	1.3	8.6	1048.6	49.6	2091.2	51.1	147.3	93.8	152.4	165.1	1.0	7.0	0.3	656.1	685.6	641.2	14.8
SMDH 00087	814380.83	8194222.00	168.37	1.0	2.0	30.0	3381.4	1.6	10.2	838.3	38.9	513.9	54.0	155.4	98.9	160.8	174.1	1.4	7.5	1.1	336.5	360.1	324.7	11.8
SMDH 00087	814380.83	8194222.00	168.37	2.0	3.0	70.0	4618.9	2.1	13.8	1088.0	58.2	1420.8	76.9	221.5	141.0	229.2	248.2	1.8	11.0	0.7	604.3	640.3	587.5	16.8
SMDH 00087	814380.83	8194222.00	168.37	3.0	4.0	85.0	5036.6	2.5	15.5	1264.6	54.9	681.8	93.6	269.5	171.5	278.9	302.0	2.2	12.0	1.1	581.3	614.6	565.1	16.3
SMDH 00087	814380.83	8194222.00	168.37	4.0	5.0	85.0	6682.2	3.5	20.0	1627.4	72.6	1226.6	121.5	349.8	222.7	362.0	392.0	3.0	15.4	1.1	696.2	740.8	674.7	21.5
SMDH 00087	814380.83	8194222.00	168.37	5.0	6.0	75.0	5014.3	2.6	14.7	1338.0	50.9	654.3	80.5	231.9	147.6	240.0	259.9	2.3	10.9	1.2	502.2	533.0	487.1	15.1
SMDH 00087	814380.83	8194222.00	168.37	6.0	7.0	80.0	5603.0	3.0	17.1	1354.7	89.2	687.1	94.6	272.5	173.5	282.0	305.4	2.7	12.9	1.1	508.3	563.0	481.0	27.3
SMDH 00087	814380.83	8194222.00	168.37	7.0	8.0	80.0	5727.9	3.0	17.7	1364.6	75.9	734.8	104.5	301.0	191.6	311.5	337.4	2.6	13.6	1.2	575.6	622.0	552.5	23.1
SMDH 00087	814380.83	8194222.00	168.37	8.0	9.0	80.0	6395.6	3.4	19.4	1499.0	80.4	1101.2	110.8	319.1	203.1	330.2	357.6	3.0	14.7	1.3	568.1	617.6	544.3	23.9
SMDH 00087	814380.83	8194222.00	168.37	9.0	10.0	90.0	5235.4	2.7	15.2	1380.2	67.7	756.8	79.0	227.4	144.8	235.4	254.9	2.4	11.4	1.1	515.4	556.2	494.4	21.1
SMDH 00087	814380.83	8194222.00	168.37	10.0	11.0	90.0	5694.0	3.0	16.0	1578.9	57.7	776.7	95.4	274.7	174.8	284.3	307.8	2.7	11.7	1.3	553.9	588.1	536.1	17.8
SMDH 00087	814380.83	8194222.00	168.37	11.0	12.0	80.0	6391.3	3.3	19.5	1563.8	79.2	894.9	111.4	320.7	204.2	331.9	359.4	2.9	15.0	1.2	652.4	700.3	628.3	24.1
SMDH 00087	814380.83	8194222.00	168.37	12.0	13.0	95.0	6235.5	3.2	18.5	1650.5	106.2	743.1	82.8	238.6	151.9	246.9	267.4	2.9	14.1	1.1	683.2	748.2	650.7	32.5
SMDH 00087	814380.83	8194222.00	168.37	13.0	14.0	95.0	5234.0	2.8	15.3	1363.2	47.6	704.2	86.8	250.1	159.2	258.8	280.3	2.5	11.4	1.1	463.0	491.2	448.4	14.7
SMDH 00087	814380.83	8194222.00	168.37	14.0	15.0	95.0	4798.2	2.4	13.6	1321.5	65.9	814.0	73.2	211.0	134.3	218.3	236.4	2.1	10.2	1.0	552.2	590.8	530.7	21.5
SMDH 00087	814380.83	8194222.00	168.37	15.0	16.0	50.0	4405.2	2.2	11.9	1343.3	62.2	654.7	65.5	188.7	120.1	195.3	211.5	1.9	8.8	1.0	588.8	625.9	569.8	19.0
SMDH 00088	814265.68	8194223.44	167.97	0.0	1.0	45.0	2780.8	0.9	5.8	937.0	54.7	1737.4	29.2	84.2	53.6	87.2	94.4	0.6	4.7	0.2	603.5	635.9	586.2	17.2
SMDH 00088	814265.68	8194223.44	167.97	1.0	2.0	50.0	7036.1	3.7	26.2	1090.7	42.2	781.7	79.0	227.6	144.9	235.6	255.1	3.4	21.2	1.3	376.6	402.9	364.4	12.2
SMDH 00088	814265.68	8194223.44	167.97	2.0	3.0	50.0	4211.1	2.1	12.6	1095.3	70.9	412.1	66.7	192.1	122.3	198.8	215.3	1.9	9.2	1.2	409.1	455.5	389.5	19.6
SMDH 00088	814265.68	8194223.44	167.97	3.0	4.0	60.0	2893.4	1.4	8.1	809.5	39.4	405.0	44.6	128.4	81.8	132.9	143.9	1.2	5.6	1.1	272.7	297.9	261.8	11.0
SMDH 00088	814265.68	8194223.44	167.97	4.0	5.0	75.0	5664.2	3.0	16.1	1547.1	74.5	700.5	112.6	324.4	206.5	335.8	363.6	2.6	11.9	1.2	542.6	590.4	521.4	21.2
SMDH 00088	814265.68	8194223.44	167.97	5.0	6.0	80.0	5693.9	3.0	15.0	1689.6	58.5	1090.6	105.9	305.0	194.1	315.6	341.8	2.6	11.0	1.1	596.1	632.7	579.3	16.7
SMDH 00088	814265.68	8194223.44	167.97	6.0	7.0	75.0	4919.0	2.5	13.9	1403.7	46.2	651.6	98.9	285.0	181.4	294.9	319.3	2.2	10.1	1.2	543.6	572.0	530.1	13.5
SMDH 00088	814265.68	8194223.44	167.97	7.0	8.0	98.0	4160.3	2.1	11.6	1214.7	40.7	428.8	65.4	188.3	119.8	194.8	211.0	1.9	8.3	1.2	358.9	384.4	347.3	11.6
SMDH 00088	814265.68	8194223.44	167.97	8.0	9.0	98.0	3475.2	1.7	9.0	1124.4	37.6	348.4	46.1	132.6	84.4	137.3	148.6	1.5	6.0	1.3	330.8	354.5	320.3	10.5
SMDH 00088	814265.68	8194223.44	167.97	9.0	10.0	80.0	5724.2	2.8	14.9	1827.0	81.4	961.5	88.5	254.9	162.2	263.8	285.6	2.4	10.9	1.2	757.6	808.8	734.5	23.1
SMDH 00088	814265.68	8194223.44	167.97	10.0	11.0	98.0	5920.9	3.1	16.1	1799.5	74.5	678.1	82.5	237.5	151.2	245.8	266.2	2.8	11.7	1.3	577.5	624.6	556.3	21.2
SMDH 00088	814265.68	8194223.44	167.97	11.0	12.0	95.0	4452.1	2.4	12.4	1216.5	40.2	729.0	64.2	184.8	117.6	191.2	207.1	2.1	8.9	1.1	343.7	369.2	332.5	11.1
SMDH 00088	814265.68	8194223.44	167.97	12.0	13.0	60.0	4093.4	2.0	11.5	975.2	74.9	1081.7	69.4	199.8	127.2	206.8	224.0	1.7	8.4	1.1	315.2	364.3	294.7	20.4
SMDH 00088	814265.68	8194223.44	167.97	13.0	14.0	95.0	6425.5	3.7	21.8	1034.1	79.1	866.5	124.6	358.7	228.3	371.2	402.0	3.3	16.5	1.6	158.8	211.1	137.3	21.6
SMDH 00088	814265.68	8194223.44	167.97	14.0	15.0	90.0	5635.3	3.2	18.1	995.2	43.6	1125.2	108.4	312.2	198.7	323.1	349.9	2.9	13.7	1.2	184.6	211.0	170.9	13.6
SMDH 00088	814265.68	8194223.44	167.97	15.0	16.0	95.0	4885.6	2.7	14.3	1245.1	22.9	628.8	88.5	254.9	162.2	263.8	285.6	2.4	10.3	1.3	318.6	332.1	312.3	6.4
SMDH 00088	814265.68	8194223.44	167.97	16.0	17.0	98.0	4692.7	2.2	12.4	1486.7	46.9	845.2	84.7	243.9	155.3	252.5	273.4	1.9	9.2	0.9	662.6	690.6	648.6	13.9
SMDH 00089	814141.16	8194223.37	169.04	0.0	1.0	30.0	3358.1	1.5	12.1	511.2	27.3	871.7	45.7	131.7	83.8	136.3	147.6	1.4	9.8	0.7	298.7	315.0	290.4	8.3
SMDH 00089	814141.16	8194223.37	169.04	1.0	2.0	50.0	2266.7	1.0	7.0	508.4	27.1	626.1	34.7	100.0	63.7	103.5	112.1	0.8	5.4	0.6	266.4	283.0	258.4	8.1
SMDH 00089	814141.16	8194223.37	169.04	2.0	3.0	75.0	3149.8	1.5	10.1	714.5	47.8	470.6	52.9	152.3	96.9	157.6	170.6	1.3	7.6	1.0	358.6	388.9	345.1	13.5
SMDH 00089	814141.16	8194223.37	169.04	3.0	4.0	75.0	4035.4	2.1	11.3	1178.0	63.1	393.0	57.3	165.0	105.0	170.8	184.9	1.8	8.1	1.2	347.3	388.4	329.8	17.4
SMDH 00089	814141.16	8194223.37	169.04	4.0	5.0	70.0	3649.1	1.8	10.0	1080.4	62.2	534.9	52.5	151.1	96.2	156.4	169.4	1.5	7.1	1.1	388.7	429.2	371.7	17.0
SMDH 00089	814141.16	8194223.37	169.04	5.0	6.0	60.0	3558.7	1.9	8.2	1279.1	44.3	377.6	36.0	103.7	66.0	107.3	116.2	1.7	5.2	1.0	252.2	281.1	240.1	12.1
SMDH 00089	814141.16	8194223.37	169.04	6.0	7.0	75.0	3569.2	1.8	10.1	1015.5	50.6	361.1	53.4	153.9	97.9	159.2	172.4	1.6	7.2	1.1	300.7	334.1	287.5	13.3
SMDH 00089	814141.16	8194223.37	169.04	7.0	8.0	75.0	3077.7	1.6	9.1	806.6	45.3	308.4	46.3	133.4	84.9	138.1	149.5	1.4	6.5	1.1	249.2	278.9	237.1	12.1
SMDH 00089	814141.16	8194223.37	169.04	8.0	9.0	98.0	4063.9	2.3	9.9	1374.0	56.6	440.3	36.4	104.9	66.8	108.6	117.6	2.0	6.6	1.0	264.3	301.4	248.9	15.4
SMDH 00089	814141.16	8194223.37	169.04	9.0	10.0	70.0	4903.2	2.9	9.5	2078.0	50.9	315.9	39.6	114.0	72.6	118.0	127.8	2.6	5.7	0.9	312.0	345.6	298.6	13.4
SMDH 00089	814141.16	8194223.37	169.04	10.0	11.0	98.0	3353.6	1.7	9.5	962.3	43.7	261.4	46.7	134.5	85.6	139.2	150.7	1.6	6.7	1.0	254.5	283.1	242.8	11.6
SMDH 00089	814141.16	8194223.37	169.04	11.0	12.0	85.0	3381.0	1.7	9.2	1009.9	65.6	399.0	40.5	116.7	74.3	120.8	130.8	1.5	6.6	0.9	313.2	356.8	296.0	17.2
SMDH 00089	814141.16	8194223.37	169.04	12.0	13.0	98.0	2885.4	1.4	7.6	900.6	57.4	409.7	33.8	97.4	62.0	100.7	109.1	1.2	5.3	0.8	314.3	352.2	299.0	15.3
SMDH 00089	814141.16	8194223.37	169.04	13.0	14.0	85.0	5969.5	3.4	20.6	1090.8	64.2	365.0	148.5	427.6	272.2	442.6	479.2	3.1	16.3	0.9	243.1	284.7	225.0	18.1
SMDH 00089	814141.16	8194223.37	169.04	14.0	15.0	98.0	5300.2	3.0	15.8	1415.0	44.1	342.3	84.4	243.0	154.7	251.5	272.3	2.8	12.0	0.8	254.3	281.7	240.8	13.5
SMDH 00089	814141.16	8194223.37	169.04	15.0	16.0	98.0	6461.1	3.7	22.2	1200.8	67.3	382.0	168.0	484.0	308.1	500.9	542.4	3.4	17.6	0.9	271.6	313.4	250.6	21.0
SMDH 00089	814141.16	8194223.37	169.04	16.0	17.0	98.0	4226.1	2.3	13.1	1025.3	64.7	341.5	76.4	220.1	140.1	227.8	246.7	2.1	9.9	0.9	315.5	355.3	295.3	20.2
SMDH 00089	814141.16	8194223.37	169.04	17.0	18.0	85.0	3945.6	2.1	11.6	994.8	62.4	427.3	98.4	283.5	180.4	293.4	317.7	1.8	8.6	0.9	342.2	380.8	323.1	19.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00090	814018.24	8194230.88	168.31	0.0	1.0	20.0	4098.4	2.2	18.5	253.9	14.6	266.3	25.9	74.5	47.4	77.1	83.5	2.1	16.0	0.2	162.5	170.8	157.5	5.0
SMDH 00090	814018.24	8194230.88	168.31	1.0	2.0	50.0	5715.7	2.7	21.4	894.4	55.6	1015.2	65.2	187.7	119.5	194.3	210.4	2.5	17.9	0.8	552.7	587.7	536.8	15.9
SMDH 00090	814018.24	8194230.88	168.31	2.0	3.0	60.0	3941.2	2.2	10.0	1317.9	44.5	279.3	38.3	110.2	70.2	114.1	123.5	2.0	6.8	1.0	240.9	270.0	228.8	12.0
SMDH 00090	814018.24	8194230.88	168.31	3.0	4.0	40.0	7268.2	4.5	14.4	3075.3	26.7	442.9	51.1	147.2	93.7	152.4	165.0	4.1	9.0	0.9	305.5	321.5	297.3	8.2
SMDH 00090	814018.24	8194230.88	168.31	4.0	5.0	70.0	4427.7	2.4	9.7	1684.5	21.7	572.0	55.0	158.5	100.9	164.0	177.6	2.1	6.4	0.9	348.8	361.7	342.8	5.9
SMDH 00090	814018.24	8194230.88	168.31	5.0	6.0	90.0	3794.5	2.0	8.8	1385.1	36.1	501.8	44.8	129.1	82.2	133.7	144.7	1.7	6.0	0.8	345.2	367.6	335.1	10.1
SMDH 00090	814018.24	8194230.88	168.31	6.0	7.0	70.0	4901.7	2.7	11.6	1702.8	64.2	608.1	63.5	182.9	116.4	189.3	204.9	2.4	8.0	0.9	356.1	397.6	338.5	17.6
SMDH 00090	814018.24	8194230.88	168.31	7.0	8.0	95.0	3781.1	2.0	10.4	1090.5	53.3	508.2	56.6	163.0	103.8	168.7	182.7	1.7	7.4	1.0	305.1	339.8	290.7	14.4
SMDH 00090	814018.24	8194230.88	168.31	8.0	9.0	90.0	2930.3	1.5	6.8	1077.1	23.4	222.8	26.1	75.1	47.8	77.7	84.2	1.4	4.2	1.1	221.1	235.6	214.7	6.4
SMDH 00090	814018.24	8194230.88	168.31	9.0	10.0	85.0	3294.4	1.7	8.0	1201.0	24.9	212.8	39.2	113.0	71.9	116.9	126.6	1.5	5.1	1.2	331.4	346.4	324.3	7.1
SMDH 00090	814018.24	8194230.88	168.31	10.0	11.0	85.0	2653.9	1.4	7.1	784.2	18.2	288.9	39.8	114.7	73.0	118.7	128.5	1.2	4.6	1.1	185.6	196.6	180.5	5.1
SMDH 00090	814018.24	8194230.88	168.31	11.0	12.0	80.0	3659.5	1.9	10.9	911.0	34.4	487.2	64.9	186.9	119.0	193.4	209.5	1.6	7.8	1.2	291.2	312.2	281.1	10.1
SMDH 00090	814018.24	8194230.88	168.31	12.0	13.0	80.0	2931.7	1.5	8.3	799.5	26.7	429.2	40.4	116.4	74.1	120.5	130.5	1.3	5.8	1.1	232.9	249.4	225.5	7.4
SMDH 00090	814018.24	8194230.88	168.31	13.0	14.0	98.0	3426.0	1.7	10.4	832.4	34.2	668.3	60.4	174.1	110.8	180.1	195.1	1.4	7.8	0.9	361.4	382.1	351.3	10.1
SMDH 00090	814018.24	8194230.88	168.31	14.0	15.0	90.0	3449.0	1.7	9.2	1023.1	24.5	635.3	61.6	177.4	112.9	183.6	198.8	1.5	6.6	0.9	384.5	398.9	377.5	7.0
SMDH 00090	814018.24	8194230.88	168.31	15.0	16.0	50.0	4664.0	2.7	10.8	1667.7	36.1	422.4	49.6	142.9	91.0	147.9	160.2	2.5	7.1	1.0	281.0	304.0	271.1	9.9
SMDH 00090	814018.24	8194230.88	168.31	16.0	17.0	98.0	3660.3	1.8	10.4	998.1	57.3	509.7	60.7	174.8	111.3	180.9	195.9	1.6	7.5	1.0	331.2	368.8	315.8	15.4
SMDH 00090	814018.24	8194230.88	168.31	17.0	18.0	95.0	4864.7	2.5	14.5	1180.0	64.2	770.5	81.3	234.2	149.1	242.4	262.5	2.3	10.7	1.2	411.8	453.5	394.1	17.7
SMDH 00091	813902.58	8194222.70	169.54	0.0	1.0	10.0	4213.1	2.2	17.2	404.7	18.3	659.1	41.8	120.5	76.7	124.7	135.1	2.0	14.4	0.7	210.8	221.6	205.4	5.4
SMDH 00091	813902.58	8194222.70	169.54	1.0	2.0	40.0	3954.8	1.9	13.8	639.8	39.4	842.7	65.5	188.6	120.1	195.2	211.4	1.6	10.6	1.3	313.5	339.0	303.0	10.5
SMDH 00091	813902.58	8194222.70	169.54	2.0	3.0	60.0	4805.4	2.3	14.5	1178.5	64.4	1026.3	86.8	250.0	159.1	258.7	280.1	1.9	11.3	0.9	528.4	568.6	509.8	18.6
SMDH 00091	813902.58	8194222.70	169.54	3.0	4.0	75.0	3984.3	1.9	10.0	1398.9	20.0	468.5	65.7	189.2	120.4	195.8	212.0	1.7	7.0	1.1	489.8	500.8	483.9	5.9
SMDH 00091	813902.58	8194222.70	169.54	4.0	5.0	75.0	3405.3	1.7	8.8	1114.9	15.6	495.3	54.9	158.2	100.7	163.8	177.3	1.5	6.3	0.9	365.1	373.4	360.4	4.6
SMDH 00091	813902.58	8194222.70	169.54	5.0	6.0	98.0	4373.0	2.2	13.2	1089.6	44.9	811.4	70.3	202.4	128.8	209.4	226.8	1.9	10.2	0.8	482.7	509.8	469.5	13.2
SMDH 00091	813902.58	8194222.70	169.54	6.0	7.0	95.0	4217.0	2.2	11.9	1168.8	32.7	545.9	66.5	191.5	121.9	198.2	214.6	2.0	8.6	1.1	390.2	410.0	380.9	9.3
SMDH 00091	813902.58	8194222.70	169.54	7.0	8.0	95.0	3296.6	1.6	8.8	1079.2	21.2	362.4	57.1	164.6	104.7	170.3	184.4	1.3	6.2	1.1	433.9	446.1	427.8	6.0
SMDH 00091	813902.58	8194222.70	169.54	8.0	9.0	98.0	2841.3	1.5	7.1	956.9	16.4	135.8	35.4	102.1	65.0	105.6	114.4	1.4	4.5	1.1	181.6	191.7	177.2	4.4
SMDH 00091	813902.58	8194222.70	169.54	9.0	10.0	98.0	4205.0	2.0	12.8	1052.5	50.3	757.3	73.4	211.5	134.6	218.9	237.0	1.7	9.7	1.0	465.2	495.9	450.3	14.9
SMDH 00091	813902.58	8194222.70	169.54	10.0	11.0	85.0	5128.7	2.5	15.6	1301.5	53.1	766.3	93.7	269.8	171.8	279.2	302.4	2.2	11.9	1.2	530.1	562.7	514.4	15.7
SMDH 00091	813902.58	8194222.70	169.54	11.0	12.0	90.0	5862.7	3.2	21.7	873.0	42.6	428.2	118.7	341.8	217.5	353.7	383.0	3.0	17.2	1.3	247.1	273.9	234.9	12.1
SMDH 00091	813902.58	8194222.70	169.54	12.0	13.0	85.0	5361.7	3.0	18.1	938.6	42.7	694.0	102.7	295.7	188.2	306.0	331.3	2.7	13.9	1.2	251.8	279.2	240.1	11.7
SMDH 00091	813902.58	8194222.70	169.54	13.0	14.0	90.0	4827.2	2.8	16.4	833.6	36.5	643.5	83.2	239.7	152.6	248.1	268.7	2.5	12.7	0.9	209.8	232.7	199.4	10.4
SMDH 00091	813902.58	8194222.70	169.54	14.0	15.0	90.0	5735.5	3.1	18.4	1248.8	47.5	734.4	102.4	295.1	187.8	305.4	330.7	2.8	14.1	1.2	425.3	454.8	411.7	13.6
SMDH 00091	813902.58	8194222.70	169.54	15.0	16.0	98.0	4527.3	2.4	13.0	1230.0	35.2	549.1	78.2	225.3	143.4	233.2	252.5	2.1	9.4	1.1	382.2	403.7	371.9	10.2
SMDH 00091	813902.58	8194222.70	169.54	16.0	17.0	98.0	5924.6	3.2	17.5	1502.2	56.1	874.2	107.5	309.5	197.0	320.3	346.8	2.8	13.1	1.2	514.1	549.3	498.0	16.1
SMDH 00091	813902.58	8194222.70	169.54	17.0	18.0	85.0	6388.3	3.5	19.9	1458.1	53.2	749.9	115.4	332.4	211.6	344.0	372.5	3.2	15.0	1.3	467.8	501.5	452.9	14.9
SMDH 00092	813773.47	8194222.72	167.08	0.0	1.0	30.0	2939.8	1.1	7.8	793.7	43.3	1423.5	42.4	122.0	77.7	126.3	136.7	0.9	6.3	0.3	506.3	532.8	493.6	12.7
SMDH 00092	813773.47	8194222.72	167.08	1.0	2.0	50.0	4671.0	2.6	10.6	1571.2	49.5	914.8	64.6	186.2	118.5	192.7	208.7	2.3	7.1	0.9	427.3	457.7	413.1	14.2
SMDH 00092	813773.47	8194222.72	167.08	2.0	3.0	75.0	4886.9	2.6	11.9	1636.0	63.9	725.4	66.2	190.6	121.3	197.3	213.6	2.3	8.4	0.9	567.0	605.7	547.5	19.5
SMDH 00092	813773.47	8194222.72	167.08	3.0	4.0	50.0	5194.4	2.8	14.3	1449.2	55.9	759.1	97.4	280.6	178.6	290.4	314.5	2.5	10.4	1.1	536.9	572.2	521.3	15.6
SMDH 00092	813773.47	8194222.72	167.08	4.0	5.0	75.0	3065.6	1.5	6.3	1198.3	35.6	591.9	68.9	198.5	126.3	205.4	222.4	1.3	4.0	0.7	455.4	477.0	445.4	10.0
SMDH 00092	813773.47	8194222.72	167.08	5.0	6.0	75.0	3585.3	1.7	8.6	1250.0	36.1	484.2	67.2	193.6	123.2	200.3	216.9	1.5	5.6	1.3	487.7	509.6	477.7	10.0
SMDH 00092	813773.47	8194222.72	167.08	6.0	7.0	80.0	4174.7	2.3	9.2	1599.5	23.9	457.2	55.2	158.9	101.1	164.4	178.1	2.0	5.9	1.0	428.6	442.6	422.0	6.6
SMDH 00092	813773.47	8194222.72	167.08	7.0	8.0	95.0	3273.8	1.7	7.6	1095.5	26.4	625.3	68.1	196.1	124.8	202.9	219.7	1.4	4.8	1.1	407.5	422.9	399.8	7.7
SMDH 00092	813773.47	8194222.72	167.08	8.0	9.0	90.0	2081.3	1.1	2.9	980.9	11.9	342.2	39.5	113.8	72.5	117.8	127.6	0.9	0.6	1.2	241.9	248.5	238.7	3.3
SMDH 00092	813773.47	8194222.72	167.08	9.0	10.0	98.0	4118.2	2.2	9.5	1412.1	21.8	826.6	65.8	189.4	120.6	196.0	212.2	1.9	6.4	0.9	499.7	511.8	493.6	6.2
SMDH 00092	813773.47	8194222.72	167.08	10.0	11.0	60.0	3681.4	1.6	11.7	806.9	45.3	942.7	57.1	164.6	104.7	170.3	184.4	1.4	9.2	0.9	483.4	511.1	470.2	13.2
SMDH 00092	813773.47	8194222.72	167.08	11.0	12.0	98.0	4020.7	1.8	9.5	1435.5	63.1	655.3	82.3	237.0	150.9	245.3	265.6	1.5	6.5	1.2	707.7	747.2	690.0	17.8
SMDH 00092	813773.47	8194222.72	167.08	12.0	13.0	95.0	4252.9	2.0	11.3	1303.0	60.8	891.6	68.2	196.4	125.0	203.2	220.1	1.7	8.4	0.9	672.0	709.2	654.4	17.6
SMDH 00092	813773.47	8194222.72	167.08	13.0	14.0	80.0	4434.6	2.2	10.1	1636.9	71.3	751.7	56.3	162.0	103.1	167.7	181.6	1.9	7.0	0.8	659.3	703.3	638.5	20.8
SMDH 00092	813773.47	8194222.72	167.08	14.0	15.0	90.0	5039.8	2.8	10.6	1981.7	75.9	662.0	57.6	165.9	105.6	171.6	185.9	2.4	7.1	0.7	602.9	649.6	580.2	22.7
SMDH 00092	813773.47	8194222.72	167.08	15.0	16.0	95.0	5159.6	2.8	10.8	2069.8	71.5	590.8	67.1	193.2	123.0	199.9	216.5	2.4	7.0	1.0	601.7	646.5	580.9	20.8
SMDH 00092	813773.47	8194222.72	167.08	16.0	17.0	95.0	4993.0	2.6	11.3	1813.0	54.6	661.6	92.2	265.6	169.1	274.9	297.7	2.3	7.4	1.3	585.5	619.8	570.1	15.3
SMDH 00092	813773.47	8194222.72	167.08	17.0	18.0	95.0	4676.5	2.4	8.7	2022.3	70.2	808.4	60.5	174.1	110.8	180.2	195.1	2.0	5.6	0.8	628.3	670.6	606.6	21.7
SMDH 00092	813773.47	8194222.72	167.08	18.0	19.0	95.0	2641.4	1.1	4.7	1153.1	47.1	607.5	45.2	130.3	82.9	134.8	146.0	0.9	2.8	0.8	473.0	502.5	459.6	13.3
SMDH 00092	813773.47	8194222.72	167.08	19.0	20.0	85.0	4712.3	2.4	10.3	1795.6	63.9	631.5	79.2	228.1	145.2	236.1	255.6	2.1	6.8	1.1	588.9	629.1	570.8	18.1
SMDH 00092	813773.47	8194222.72	167.08	20.0	21.0	75.0	4642.5	2.4	13.3	1260.9	76.3	676.6	79.0	227.4	144.7	235.3	254.8	2.1	9.9	1.0	597.1	643.0	573.2	23.8
SMDH 00093	813661.04	8194227.14	166.91	0.0	1.0	5.0	4188.1	2.0	13.0	924.9	42.0	1082.2	60.8	175.1	111.4	181.2	196.2	1.7	9.9	1.1	470.4	496.4	459.0	11.4
SMDH 00093	813661.04	8194227.14	166.91	1.0	2.0	10.0	3136.3	1.7	9.1	799.6	18.5	431.4	46.4	133.5	85.0	138.2	149.6	1.5	6.4	1.1	217.2	227.7	211.8	5.4
SMDH 00093	813661.04	8194227.14	166.91	2.0	3.0	90.0	5655.7	3.1	16.2	1537.9	51.1	687.9	74.2	213.6	136.0	221.1	239.4	2.8	11.8	1.3	433.4	465.5	419.1	14.2
SMDH 00093	813661.04	8194227.14	166.91	3.0	4.0	90.0	5849.2	3.1	19.0	1286.9	48.3	667.3	81.1	233.7	148.7	241.8	261.8	2.8	14.5	1.3	473.7	504.3	460.7	13.1
SMDH 00093	813661.04	8194227.14	166.91	4.0	5.0	80.0	5056.6	2.6	15.9	1172.1	64.1	706.4	68.3	196.6	125.1	203.5	220.3	2.3	12.0	1.3	500.9	541.6	483.3	17.6
SMDH 00093	813661.04	8194227.14	166.91	5.0	6.0	100.0	3762.5	1.8	11.7	983.7	54.0	378.6	48.4	139.4	88.8	144.3	156.3	1.6	8.9	1.0	476.7	512.1	462.6	14.0
SMDH 00093	813661.04	8194227.14	166.91	6.0	7.0	100.0	4941.6	2.4	14.6	1281.9	72.0	874.6	66.2	190.6	121.3	197.3	213.6	2.1	11.0	1.3	586.5	632.8	566.3	20.2
SMDH 00093	813661.04	8194227.14	166.91	7.0	7.5	70.0	4947.4	2.3	18.0	853.3	53.2	729.5	64.4	185.5	118.1	192.0	207.9	2.1	14.6	1.1	512.5	545.1	496.6	15.9
SMDH 00093	813661.04	8194227.14	166.91	7.5	8.0	70.0	4947.4	2.3	18.0	853.3	53.2	729.5	64.4	185.5	118.1	192.0	207.9	2.1	14.6	1.1	512.5	545.1	496.6	15.9
SMDH 00094	813527.27	8194226.27	164.04	0.0	1.0	10.0	4720.5	1.5	8.9	1960.3	114.4	2231.9	54.4	156.6	99.7	162.1	175.5	1.0	6.9	0.5	1251.6	1321.5	1216.8	34.8
SMDH 00094	813527.27	8194226.27	164.04	1.0	2.0	20.0	5808.8	2.6	18.7	1313.3	72.1	1256.5	95.3	274.6	174.8	284.2	307.8	2.2	14.8	1.3	837.2	881.2	815.5	21.6
SMDH 00094	813527.27	8194226.27	164.04	2.0	3.0	40.0	5696.0	3.1	15.6	1686.8	49.1	598.8	82.5	237.6	151.2	245.8	266.2	2.8	11.2	1.3	491.2	521.4	477.1	14.0
SMDH 00094	813527.27	8194226.27	164.04	3.0	4.0	40.0	5251.0	2.9	13.5	1694.1	48.2	583.8	63.6	183.1	116.6	189.5	205.2	2.6	9.5	1.2	429.2	458.3	414.5	14.7
SMDH 00094	813527.27	8194226.27	164.04	4.0	5.0	60.0	4288.6	1.9	12.0	1127.0	62.0	1158.5	87.1	251.0	159.8	259.7	281.3	1.6	8.9	1.1	613.2	651.0	594.6	18.6
SMDH 00094	813527.27	8194226.27	164.04	5.0	6.0	70.0	3858.9	2.3	11.0	957.2	8.3	441.5	67.4	194.2	123.6	201.0	217.7	2.1	7.5	1.1	92.1	96.5	89.8	2.4
SMDH 00094	813527.27	8194226.27	164.04	6.0	7.0	90.0	5231.7	3.0	12.5	1760.6	39.0	611.6	73.8	212.6	135.3	220.0	238.2	2.7	8.4	1.1	324.9	348.7	313.4	11.5
SMDH 00094	813527.27	8194226.27	164.04	7.0	8.0	100.0	5022.1	2.6	13.2	1590.5	58.2	617.7	84.0	241.9	154.0	250.4	271.1	2.3	9.5	1.1	589.5	624.8	571.9	17.6
SMDH 00094	813527.27	8194226.27	164.04	8.0	8.5	60.0	4995.5	2.7	13.9	1410.5	44.3	663.9	83.0	238.9	152.1	247.3	267.7	2.4	10.0	1.1	463.5	489.9	450.1	13.5
SMDH 00094	813527.27	8194226.27	164.04	8.5	9.0	60.0	4995.5	2.7	13.9	1410.5	44.3	663.9	83.0	238.9	152.1	247.3	267.7	2.4	10.0	1.1	463.5	489.9	450.1	13.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00095	813418.70	8194221.62	161.93	0.0	1.0	10.0	1874.9	0.9	6.3	404.9	28.4	334.2	33.0	95.0	60.5	98.3	106.4	0.7	5.2	0.3	237.5	255.1	229.0	8.5
SMDH 00095	813418.70	8194221.62	161.93	1.0	2.0	20.0	2610.5	1.6	10.8	201.7	2.3	26.3	55.7	160.4	102.1	166.0	179.8	1.5	8.5	0.7	4.5	4.8	2.6	1.9
SMDH 00095	813418.70	8194221.62	161.93	2.0	3.0	50.0	5195.4	2.8	15.1	1337.9	52.0	813.9	91.1	262.3	166.9	271.4	293.9	2.4	11.1	1.2	481.1	513.3	466.2	14.9
SMDH 00095	813418.70	8194221.62	161.93	3.0	4.0	70.0	4961.1	2.6	13.9	1453.4	44.0	537.7	81.6	235.1	149.7	243.3	263.5	2.3	10.1	1.1	512.5	539.1	499.4	13.1
SMDH 00095	813418.70	8194221.62	161.93	4.0	5.0	80.0	4325.7	2.3	12.3	1185.5	26.9	597.4	65.8	189.4	120.6	196.0	212.2	2.1	8.9	1.0	391.2	407.6	383.8	7.4
SMDH 00095	813418.70	8194221.62	161.93	5.0	6.0	80.0	4970.2	2.6	14.0	1362.8	32.5	779.7	104.3	300.5	191.3	311.0	336.8	2.3	10.3	1.0	516.4	536.2	507.6	8.8
SMDH 00095	813418.70	8194221.62	161.93	6.0	7.0	70.0	4774.1	2.6	13.9	1268.5	28.1	671.7	76.8	221.3	140.9	229.0	248.0	2.3	10.2	1.0	464.6	481.6	456.8	7.8
SMDH 00095	813418.70	8194221.62	161.93	7.0	8.0	100.0	5029.4	2.8	15.6	1191.6	22.5	524.4	85.0	244.7	155.8	253.2	274.2	2.5	11.7	1.1	386.8	399.8	380.3	6.5
SMDH 00095	813418.70	8194221.62	161.93	8.0	9.0	100.0	6232.9	3.5	16.7	1826.0	36.1	913.3	86.7	249.7	158.9	258.4	279.8	3.1	12.0	1.2	500.6	523.1	490.9	9.7
SMDH 00095	813418.70	8194221.62	161.93	9.0	9.5	100.0	4572.4	2.5	13.4	1144.8	28.9	663.7	68.0	195.8	124.6	202.6	219.4	2.2	9.8	1.1	327.9	345.7	319.8	8.1
SMDH 00095	813418.70	8194221.62	161.93	9.5	10.0	100.0	4572.4	2.5	13.4	1144.8	28.9	663.7	68.0	195.8	124.6	202.6	219.4	2.2	9.8	1.1	327.9	345.7	319.8	8.1
SMDH 00096	813296.78	8194217.86	162.02	0.0	1.0	10.0	4111.8	2.1	14.6	710.2	32.4	510.5	85.2	245.4	156.2	254.0	275.0	1.9	11.8	0.7	286.6	307.2	277.8	8.8
SMDH 00096	813296.78	8194217.86	162.02	1.0	2.0	30.0	4320.3	2.4	13.4	1007.0	37.1	486.6	60.6	174.5	111.1	180.6	195.5	2.2	10.1	0.9	316.1	339.5	305.9	10.2
SMDH 00096	813296.78	8194217.86	162.02	2.0	3.0	40.0	4778.0	2.6	15.4	993.3	55.4	620.0	80.5	231.9	147.6	240.0	259.9	2.3	11.7	1.0	335.0	370.7	319.8	15.2
SMDH 00096	813296.78	8194217.86	162.02	3.0	4.0	70.0	5831.7	3.0	21.0	951.2	51.3	701.3	120.9	348.1	221.6	360.2	390.1	2.7	16.7	1.2	414.4	447.2	400.3	14.1
SMDH 00096	813296.78	8194217.86	162.02	4.0	5.0	90.0	5063.9	2.7	15.6	1178.5	64.1	687.0	81.4	234.5	149.3	242.7	262.8	2.4	11.7	1.2	458.1	499.1	440.4	17.7
SMDH 00096	813296.78	8194217.86	162.02	5.0	6.0	90.0	4977.4	2.7	15.1	1203.2	44.8	614.2	79.2	228.2	145.3	236.2	255.8	2.4	11.2	1.2	392.6	421.0	380.4	12.2
SMDH 00096	813296.78	8194217.86	162.02	6.0	7.0	100.0	5264.0	2.8	16.4	1242.5	43.2	640.8	85.0	244.9	155.9	253.5	274.5	2.5	12.4	1.2	470.3	497.1	457.9	12.3
SMDH 00096	813296.78	8194217.86	162.02	7.0	8.0	100.0	3987.6	2.0	11.9	1013.5	49.1	564.5	66.4	191.3	121.8	198.0	214.4	1.8	8.9	1.0	412.7	444.3	399.3	13.4
SMDH 00096	813296.78	8194217.86	162.02	8.0	9.0	90.0	5354.4	2.8	16.4	1204.2	48.2	1060.3	92.5	266.3	169.5	275.6	298.4	2.5	12.5	1.1	503.3	533.5	490.1	13.2
SMDH 00096	813296.78	8194217.86	162.02	9.0	9.5	80.0	3093.9	1.6	8.1	940.3	36.8	492.8	41.4	119.3	75.9	123.4	133.7	1.4	5.6	0.9	314.9	338.4	305.1	9.8
SMDH 00096	813296.78	8194217.86	162.02	9.5	10.0	80.0	3093.9	1.6	8.1	940.3	36.8	492.8	41.4	119.3	75.9	123.4	133.7	1.4	5.6	0.9	314.9	338.4	305.1	9.8
SMDH 00097	813177.52	8194221.15	161.01	0.0	1.0	10.0	2184.4	1.0	6.7	522.1	34.9	550.5	32.2	92.8	59.1	96.0	104.0	0.8	5.2	0.5	285.9	308.5	276.7	9.2
SMDH 00097	813177.52	8194221.15	161.01	1.0	2.0	30.0	3854.9	1.9	11.5	937.3	40.6	782.9	85.8	247.1	157.3	255.7	276.9	1.6	8.7	0.8	381.9	408.0	371.2	10.6
SMDH 00097	813177.52	8194221.15	161.01	2.0	3.0	40.0	9836.2	6.2	18.4	4238.4	43.8	675.8	74.8	215.3	137.1	222.8	241.3	5.6	11.1	1.1	374.2	400.9	361.0	13.2
SMDH 00097	813177.52	8194221.15	161.01	3.0	4.0	40.0	8615.6	5.3	18.2	3231.5	55.5	1064.5	77.7	223.7	142.4	231.5	250.7	4.8	11.6	1.3	379.3	413.5	363.0	16.3
SMDH 00097	813177.52	8194221.15	161.01	4.0	5.0	100.0	4698.3	2.5	14.1	1127.9	68.0	646.9	67.0	193.1	122.9	199.8	216.4	2.3	10.5	1.1	402.0	443.6	381.4	20.6
SMDH 00097	813177.52	8194221.15	161.01	5.0	6.0	100.0	4172.6	2.4	11.2	1191.5	46.3	614.4	51.4	147.9	94.2	153.1	165.8	2.1	7.9	0.8	307.3	335.1	293.0	14.3
SMDH 00097	813177.52	8194221.15	161.01	6.0	7.0	80.0	6595.1	3.8	17.9	1884.3	46.9	752.2	94.1	270.9	172.4	280.3	303.6	3.4	12.7	1.3	412.3	440.7	398.2	14.1
SMDH 00097	813177.52	8194221.15	161.01	7.0	8.0	70.0	4103.7	2.2	10.7	1243.1	52.8	532.5	53.5	154.2	98.2	159.6	172.8	2.0	7.4	1.0	279.0	312.0	263.8	15.2
SMDH 00097	813177.52	8194221.15	161.01	8.0	9.0	70.0	4259.9	2.4	10.1	1501.4	23.8	501.4	50.2	144.5	92.0	149.5	161.9	2.1	6.7	1.0	353.0	366.9	346.1	6.9
SMDH 00097	813177.52	8194221.15	161.01	9.0	10.0	70.0	4735.8	2.6	12.1	1497.3	34.9	584.1	69.7	200.7	127.8	207.7	225.0	2.3	8.3	1.1	347.7	368.5	337.0	10.6
SMDH 00097	813177.52	8194221.15	161.01	10.0	11.0	70.0	6944.3	4.0	20.0	1843.7	25.4	580.9	115.4	332.4	211.6	344.0	372.5	3.6	14.3	1.7	364.9	380.1	357.9	7.0
SMDH 00097	813177.52	8194221.15	161.01	11.0	12.0	80.0	7113.7	4.1	20.8	1649.6	19.3	1449.9	122.7	353.3	224.9	365.7	396.0	3.6	15.3	1.4	307.7	318.8	302.5	5.2
SMDH 00097	813177.52	8194221.15	161.01	12.0	13.0	80.0	4492.5	2.4	12.7	1321.1	18.9	413.5	64.4	185.4	118.0	191.8	207.7	2.1	9.1	1.2	400.4	410.9	394.8	5.6
SMDH 00097	813177.52	8194221.15	161.01	13.0	14.0	80.0	5049.8	2.7	15.3	1244.3	25.0	589.3	80.9	232.9	148.2	241.0	261.0	2.4	11.1	1.4	368.2	383.3	361.4	6.8
SMDH 00097	813177.52	8194221.15	161.01	14.0	15.0	90.0	5438.7	3.0	17.4	1236.1	25.1	478.2	95.0	273.7	174.2	283.3	306.8	2.7	13.0	1.4	356.4	371.5	349.7	6.7
SMDH 00097	813177.52	8194221.15	161.01	15.0	16.0	90.0	5240.0	2.9	16.8	1171.2	35.6	516.3	82.0	236.2	150.3	244.4	264.7	2.6	12.6	1.3	333.9	355.9	323.7	10.1
SMDH 00098	813051.07	8194220.07	159.65	0.0	1.0	10.0	3795.2	1.8	12.5	865.9	32.5	607.3	55.7	160.4	102.1	166.0	179.8	1.6	9.8	0.8	458.0	477.4	448.1	9.9
SMDH 00098	813051.07	8194220.07	159.65	1.0	2.0	20.0	4015.6	2.2	12.5	971.8	16.6	360.0	58.8	169.3	107.8	175.2	189.7	2.0	9.2	1.0	233.3	242.9	228.6	4.7
SMDH 00098	813051.07	8194220.07	159.65	2.0	3.0	40.0	7979.2	5.1	16.6	3117.6	17.9	540.0	67.5	194.3	123.7	201.1	217.7	4.7	10.4	1.1	199.5	209.4	194.2	5.3
SMDH 00098	813051.07	8194220.07	159.65	3.0	4.0	50.0	8363.0	5.5	15.6	3551.6	29.1	316.0	65.9	189.9	120.9	196.5	212.8	5.1	9.0	1.1	216.6	234.4	208.4	8.2
SMDH 00098	813051.07	8194220.07	159.65	4.0	5.0	90.0	5396.4	3.1	16.4	1299.3	67.9	450.3	80.5	231.8	147.6	239.9	259.8	2.8	12.1	1.2	302.4	345.5	283.0	19.4
SMDH 00098	813051.07	8194220.07	159.65	5.0	6.0	90.0	4556.8	2.7	13.4	1163.5	32.5	373.0	60.0	172.9	110.1	179.0	193.8	2.5	9.7	1.0	201.8	221.6	192.3	9.5
SMDH 00098	813051.07	8194220.07	159.65	6.0	7.0	100.0	4089.5	2.3	12.0	1042.6	35.2	333.4	66.5	191.4	121.9	198.1	214.6	2.1	8.5	1.2	241.4	263.7	231.6	9.8
SMDH 00098	813051.07	8194220.07	159.65	7.0	8.0	100.0	5482.0	3.3	16.8	1240.2	57.0	405.7	93.2	268.4	170.9	277.8	300.8	3.0	12.2	1.4	189.4	227.4	174.3	15.1
SMDH 00099	812941.05	8194223.91	159.01	0.0	1.0	10.0	4597.7	2.1	15.5	950.6	51.2	838.7	76.2	219.3	139.6	227.0	245.8	1.8	12.3	1.2	560.3	592.9	546.1	14.2
SMDH 00099	812941.05	8194223.91	159.01	1.0	2.0	40.0	4439.3	2.0	15.4	858.8	43.2	774.6	76.6	220.5	140.4	228.2	247.1	1.7	12.2	1.2	527.7	554.2	514.7	13.0
SMDH 00099	812941.05	8194223.91	159.01	2.0	3.0	70.0	4895.5	2.5	16.6	935.9	39.2	697.8	87.3	251.4	160.1	260.2	281.8	2.2	12.8	1.2	408.7	432.8	397.0	11.7
SMDH 00099	812941.05	8194223.91	159.01	3.0	4.0	100.0	3881.4	2.1	11.1	1046.3	19.5	456.0	65.6	189.0	120.3	195.6	211.8	1.9	8.1	0.9	262.8	274.3	257.1	5.6
SMDH 00099	812941.05	8194223.91	159.01	4.0	5.0	100.0	4951.8	2.8	14.5	1286.4	33.3	519.2	72.0	207.2	131.9	214.5	232.2	2.5	10.5	1.2	286.0	306.5	276.4	9.6
SMDH 00100	812819.74	8194224.68	158.28	0.0	1.0	10.0	4076.0	1.9	13.6	856.6	45.7	667.4	64.2	184.8	117.6	191.2	207.1	1.7	10.7	1.0	428.0	456.5	414.7	13.3
SMDH 00100	812819.74	8194224.68	158.28	1.0	2.0	15.0	5752.0	3.3	14.6	1860.1	51.7	621.6	56.2	161.8	103.0	167.4	181.3	3.0	10.3	1.0	324.3	357.8	310.2	14.1
SMDH 00100	812819.74	8194224.68	158.28	2.0	3.0	30.0	3942.4	2.3	8.0	1446.2	36.7	568.5	66.4	191.2	121.7	197.9	214.3	2.0	4.5	1.2	264.8	288.8	255.5	9.3
SMDH 00100	812819.74	8194224.68	158.28	3.0	4.0	70.0	2962.8	1.7	7.6	699.5	53.6	665.0	65.9	189.8	120.8	196.4	212.7	1.5	4.7	1.2	204.3	239.1	190.0	14.3
SMDH 00100	812819.74	8194224.68	158.28	4.0	5.0	90.0	3364.7	2.2	6.6	1199.9	38.2	482.8	39.2	112.8	71.8	116.7	126.4	1.9	3.4	1.0	277.0	301.3	267.1	9.9
SMDH 00100	812819.74	8194224.68	158.28	5.0	6.0	80.0	7019.1	4.2	24.0	1243.3	28.6	575.6	102.0	293.8	187.0	304.0	329.2	3.9	18.3	1.5	295.9	313.5	288.2	7.7
SMDH 00100	812819.74	8194224.68	158.28	6.0	7.0	70.0	6079.7	3.6	20.0	1226.3	27.4	397.3	81.7	235.3	149.8	243.5	263.7	3.3	15.0	1.5	250.8	267.7	243.5	7.3
SMDH 00100	812819.74	8194224.68	158.28	7.0	8.0	80.0	4803.2	2.8	15.6	997.5	28.1	389.0	71.1	204.7	130.3	211.9	229.5	2.5	11.6	1.2	251.8	269.6	244.7	7.1
SMDH 00100	812819.74	8194224.68	158.28	8.0	9.0	100.0	5323.2	3.1	18.1	1014.0	21.7	347.8	78.8	227.0	144.5	235.0	254.4	2.8	13.7	1.3	262.5	275.8	256.8	5.6
SMDH 00100	812819.74	8194224.68	158.28	9.0	10.0	80.0	4872.3	2.8	16.3	929.3	23.4	387.6	72.5	208.9	133.0	216.2	234.2	2.6	12.2	1.3	235.5	249.9	229.4	6.1
SMDH 00100	812819.74	8194224.68	158.28	10.0	11.0	100.0	4220.7	2.4	14.0	855.2	15.5	308.4	62.9	181.0	115.2	187.4	202.9	2.2	10.4	1.2	216.8	226.2	213.0	3.8
SMDH 00100	812819.74	8194224.68	158.28	11.0	12.0	100.0	6052.7	3.5	20.4	1126.8	19.6	610.9	114.7	330.4	210.3	341.9	370.2	3.2	15.6	1.4	363.0	373.6	356.9	6.1
SMDH 00100	812819.74	8194224.68	158.28	12.0	13.0	80.0	8860.8	6.4	29.9	781.6	18.1	1608.6	287.3	827.3	526.6	856.2	927.2	5.9	22.0	1.5	359.1	368.7	353.6	5.5
SMDH 00100	812819.74	8194224.68	158.28	13.0	14.0	100.0	5363.8	3.2	17.0	1071.0	20.5	720.0	92.6	266.6	169.7	275.9	298.8	2.9	12.5	1.3	195.9	207.8	190.0	5.9
SMDH 00101	812702.49	8194224.37	157.76	0.0	1.0	40.0	4924.8	2.4	16.0	979.5	71.2	1037.8	92.8	267.2	170.1	276.5	299.4	2.1	12.5	1.1	470.7	516.6	451.1	19.6
SMDH 00101	812702.49	8194224.37	157.76	1.0	2.0	60.0	5674.2	3.1	19.3	1057.6	60.7	504.8	107.4	309.2	196.8	320.0	346.5	2.8	14.9	1.3	316.1	355.3	299.7	16.5
SMDH 00101	812702.49	8194224.37	157.76	2.0	3.0	60.0	5897.9	3.3	17.7	1486.4	54.0	569.7	86.7	249.8	159.0	258.5	279.9	3.0	13.2	1.2	356.2	391.5	342.1	14.1
SMDH 00101	812702.49	8194224.37	157.76	3.0	4.0	75.0	7970.0	5.0	10.7	4204.8	19.7	388.0	31.9	92.0	58.5	95.2	103.1	4.5	4.8	0.8	436.1	447.0	430.5	5.6
SMDH 00101	812702.49	8194224.37	157.76	4.0	5.0	85.0	5363.4	2.9	11.0	2254.9	22.1	584.6	53.5	154.2	98.2	159.6	172.8	2.5	7.0	1.1	604.4	616.3	598.1	6.3
SMDH 00101	812702.49	8194224.37	157.76	5.0	6.0	80.0	6244.2	3.4	17.2	1706.5	24.2	1178.4	100.3	288.9	183.9	299.0	323.8	3.0	12.6	1.2	497.5	511.2	490.7	6.8
SMDH 00101	812702.49	8194224.37	157.76	6.0	7.0	85.0	4568.6	2.8	10.0	1587.4	8.1	604.4	56.2	161.8	103.0	167.5	181.4	2.5	5.9	1.3	123.6	127.5	121.1	2.5
SMDH 00101	812702.49	8194224.37	157.76	7.0	8.0	80.0	3865.0	2.2	9.6	1217.1	12.3	421.1	66.7	192.2	122.4	198.9	215.4	1.9	6.1	1.4	219.8	226.3	216.2	3.5
SMDH 00102	812576.19	8194224.00	158.08	0.0	1.0	20.0	1870.1	0.8	4.2	550.7	39.7	693.2	55.1	158.6	100.9	164.1	177.7	0.7	2.8	0.6	223.6	248.9	212.2	11.4
SMDH 00102	812576.19	8194224.00	158.08	1.0	2.0	70.0	3882.8	2.1	14.0	530.5	43.5	481.8	93.0	267.9	170.6	277.3	300.3	1.8	10.7	1.3	218.5	246.2	206.0	12.5
SMDH 00102	812576.19	8194224.00	158.08	2.0	3.0	50.0	3587.2	2.0	12.3	601.0	38.8	311.1	82.9	238.9	152.0	247.2	267.7	1.8	9.2	1.1	189.7	214.6	178.8	10.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00102	812576.19	8194224.00	158.08	3.0	4.0	75.0	4736.7	2.5	16.4	772.1	59.3	469.8	126.5	364.4	232.0	377.1	408.4	2.2	12.3	1.6	328.6	366.0	311.4	17.2
SMDH 00102	812576.19	8194224.00	158.08	4.0	5.0	60.0	3210.9	1.6	10.0	690.9	47.6	597.6	73.7	212.3	135.1	219.7	237.9	1.3	7.4	1.0	341.1	371.0	327.1	14.0
SMDH 00102	812576.19	8194224.00	158.08	5.0	6.0	70.0	3404.9	1.8	11.5	578.9	37.9	463.6	82.9	238.9	152.0	247.2	267.7	1.6	8.6	1.2	265.1	288.8	254.3	10.8
SMDH 00102	812576.19	8194224.00	158.08	6.0	7.0	75.0	4870.8	2.6	17.6	680.9	46.5	509.6	121.0	348.4	221.8	360.6	390.5	2.3	13.4	1.6	323.5	353.1	310.6	12.9
SMDH 00102	812576.19	8194224.00	158.08	7.0	8.0	70.0	5171.3	2.4	14.7	1286.3	80.5	1430.5	102.3	294.6	187.5	304.9	330.1	2.0	10.9	1.4	704.6	755.2	681.5	23.1
SMDH 00102	812576.19	8194224.00	158.08	8.0	9.0	70.0	2669.6	0.9	5.0	1309.7	52.3	390.0	28.2	81.2	51.7	84.0	90.9	0.7	3.3	0.8	707.9	740.2	692.7	15.2
SMDH 00102	812576.19	8194224.00	158.08	9.0	10.0	70.0	3579.5	1.7	10.7	986.9	42.2	368.0	53.1	153.0	97.4	158.3	171.4	1.5	7.8	1.1	446.5	472.6	434.4	12.1
SMDH 00102	812576.19	8194224.00	158.08	10.0	11.0	80.0	3490.4	1.9	7.3	1410.5	17.9	297.6	43.9	126.4	80.4	130.8	141.6	1.7	4.3	1.1	322.3	332.5	317.3	5.0
SMDH 00102	812576.19	8194224.00	158.08	11.0	12.0	90.0	2528.7	1.2	4.3	1217.5	17.9	198.2	32.8	94.5	60.1	97.8	105.9	1.0	2.0	1.1	376.3	386.4	371.2	5.0
SMDH 00102	812576.19	8194224.00	158.08	12.0	13.0	50.0	2671.7	1.3	4.2	1332.4	19.8	175.0	33.2	95.8	61.0	99.1	107.3	1.1	1.8	1.1	377.4	388.5	371.7	5.7
SMDH 00103	814554.71	8194341.61	168.79	0.0	1.0	30.0	3425.3	1.6	11.6	531.8	32.8	865.3	120.7	347.7	221.3	359.9	389.7	1.3	8.9	1.1	292.2	312.6	283.0	9.1
SMDH 00103	814554.71	8194341.61	168.79	1.0	2.0	50.0	3571.1	1.9	10.7	816.5	32.3	542.3	55.1	158.8	101.1	164.4	178.0	1.7	7.4	1.3	268.5	288.2	259.5	9.0
SMDH 00103	814554.71	8194341.61	168.79	2.0	3.0	75.0	3367.5	1.5	9.0	906.0	43.2	1074.0	84.1	242.1	154.1	250.6	271.3	1.2	6.5	1.0	495.4	522.1	483.8	11.6
SMDH 00103	814554.71	8194341.61	168.79	3.0	4.0	95.0	4082.7	2.3	12.0	979.2	41.7	571.8	53.6	154.3	98.2	159.7	172.9	2.1	8.6	1.2	231.3	258.2	220.0	11.3
SMDH 00103	814554.71	8194341.61	168.79	4.0	5.0	98.0	4710.0	2.8	10.7	1631.0	29.4	582.1	48.5	139.7	88.9	144.6	156.6	2.5	6.8	1.1	214.6	232.6	206.4	8.2
SMDH 00103	814554.71	8194341.61	168.79	5.0	6.0	95.0	3361.0	1.7	10.2	751.9	38.9	568.1	49.4	142.2	90.5	147.2	159.4	1.5	7.2	1.2	281.9	306.9	271.6	10.3
SMDH 00103	814554.71	8194341.61	168.79	6.0	7.0	98.0	3725.2	2.0	11.4	827.2	39.4	581.8	54.7	157.5	100.2	163.0	176.5	1.8	8.2	1.2	288.3	313.4	277.8	10.5
SMDH 00103	814554.71	8194341.61	168.79	7.0	8.0	90.0	3819.7	2.0	11.2	883.8	52.4	709.0	54.2	156.2	99.4	161.6	175.0	1.8	8.0	1.3	315.6	349.1	301.2	14.4
SMDH 00103	814554.71	8194341.61	168.79	8.0	9.0	85.0	3619.7	1.8	10.4	919.6	61.5	678.8	48.2	138.7	88.3	143.6	155.5	1.6	7.4	1.2	382.6	421.8	365.2	17.3
SMDH 00103	814554.71	8194341.61	168.79	9.0	10.0	95.0	4183.8	2.2	12.8	972.8	75.3	695.9	45.5	130.9	83.3	135.5	146.7	1.9	9.7	0.9	334.4	382.3	312.6	21.7
SMDH 00103	814554.71	8194341.61	168.79	10.0	11.0	95.0	7348.6	3.8	26.8	1142.3	58.8	1091.9	142.8	411.4	261.9	425.7	461.0	3.4	22.0	1.0	558.8	594.9	540.9	17.9
SMDH 00103	814554.71	8194341.61	168.79	11.0	12.0	90.0	4638.1	2.6	15.0	997.2	40.7	490.2	68.2	196.4	125.0	203.3	220.1	2.3	11.4	1.0	300.9	325.9	289.1	11.8
SMDH 00103	814554.71	8194341.61	168.79	12.0	13.0	90.0	8384.8	5.4	28.5	1325.9	55.2	561.4	290.6	837.0	532.8	866.2	938.0	4.8	22.0	1.1	153.4	188.7	137.2	16.2
SMDH 00103	814554.71	8194341.61	168.79	13.0	14.0	85.0	10838.9	8.9	31.8	1653.0	83.2	492.5	483.8	1393.5	887.0	1442.1	1561.6	8.1	22.0	1.0	195.3	249.0	170.8	24.5
SMDH 00104	814428.62	8194340.30	170.00	0.0	1.0	30.0	2949.2	1.2	9.2	529.5	29.4	1362.3	42.0	121.1	77.1	125.3	135.7	1.0	7.2	0.7	342.1	359.5	333.2	8.9
SMDH 00104	814428.62	8194340.30	170.00	1.0	2.0	70.0	3719.6	1.7	11.1	788.2	50.6	1153.5	61.6	177.3	112.9	183.5	198.7	1.4	8.2	1.2	379.5	411.9	365.7	13.8
SMDH 00104	814428.62	8194340.30	170.00	2.0	3.0	95.0	4456.4	2.4	15.0	695.1	37.8	625.0	72.1	207.8	132.3	215.0	232.8	2.2	10.5	2.1	142.5	166.9	132.2	10.4
SMDH 00104	814428.62	8194340.30	170.00	3.0	4.0	75.0	4268.5	2.3	13.2	865.7	54.3	722.4	65.2	187.7	119.5	194.3	210.4	2.1	9.5	1.4	247.6	282.5	232.1	15.5
SMDH 00104	814428.62	8194340.30	170.00	4.0	5.0	80.0	3689.2	1.9	11.0	889.3	39.2	559.2	54.6	157.3	100.1	162.8	176.3	1.7	7.9	1.2	348.8	372.9	337.5	11.4
SMDH 00104	814428.62	8194340.30	170.00	5.0	6.0	85.0	2172.8	1.1	4.6	651.4	33.0	635.1	45.7	131.7	83.8	136.3	147.6	0.9	2.4	1.1	246.8	267.0	237.1	9.7
SMDH 00104	814428.62	8194340.30	170.00	6.0	7.0	75.0	8608.6	6.3	29.7	1124.6	31.8	518.0	58.2	167.6	106.7	173.5	187.9	6.1	22.0	1.3	215.7	235.4	206.8	8.9
SMDH 00104	814428.62	8194340.30	170.00	7.0	8.0	80.0	4838.6	2.8	13.0	1395.7	25.0	564.3	57.4	165.3	105.2	171.1	185.3	2.6	9.0	1.2	207.1	221.9	199.8	7.4
SMDH 00104	814428.62	8194340.30	170.00	8.0	9.0	90.0	3977.0	2.2	12.3	811.6	33.1	672.8	60.0	172.8	110.0	178.8	193.6	2.0	8.9	1.3	244.8	265.0	235.4	9.4
SMDH 00104	814428.62	8194340.30	170.00	9.0	10.0	75.0	4412.5	2.5	12.3	1138.9	36.6	625.5	58.4	168.1	107.0	174.0	188.4	2.3	8.5	1.3	259.8	282.7	249.6	10.2
SMDH 00104	814428.62	8194340.30	170.00	10.0	11.0	85.0	4102.7	2.4	10.0	1274.1	22.7	547.8	52.8	152.2	96.9	157.5	170.6	2.2	6.4	1.2	186.1	200.1	180.0	6.1
SMDH 00104	814428.62	8194340.30	170.00	11.0	12.0	90.0	3685.8	2.0	10.8	885.9	34.9	556.0	58.2	167.6	106.7	173.5	187.9	1.8	7.5	1.3	295.1	316.8	285.5	9.5
SMDH 00104	814428.62	8194340.30	170.00	12.0	13.0	80.0	4224.8	2.4	11.4	1175.8	32.0	502.7	59.2	170.5	108.5	176.4	191.0	2.2	7.6	1.3	267.6	287.4	258.6	9.0
SMDH 00104	814428.62	8194340.30	170.00	13.0	14.0	98.0	3824.7	2.1	11.0	934.1	43.8	543.2	56.1	161.5	102.8	167.2	181.0	1.9	7.6	1.3	277.5	305.0	265.3	12.2
SMDH 00104	814428.62	8194340.30	170.00	14.0	15.0	95.0	4097.8	2.2	12.5	925.4	42.5	558.1	62.9	181.2	115.3	187.5	203.0	2.0	8.9	1.4	328.0	354.4	316.3	11.7
SMDH 00104	814428.62	8194340.30	170.00	15.0	16.0	95.0	3597.0	1.9	10.5	864.7	43.8	631.9	49.9	143.8	91.5	148.8	161.2	1.6	7.4	1.3	314.7	342.5	303.1	11.6
SMDH 00104	814428.62	8194340.30	170.00	16.0	17.0	95.0	3755.8	1.7	13.8	440.6	33.0	816.9	107.1	308.6	196.4	319.4	345.8	1.5	10.6	1.5	267.0	287.5	257.8	9.2
SMDH 00104	814428.62	8194340.30	170.00	17.0	18.0	80.0	4058.7	2.2	11.1	1081.4	28.6	669.4	50.3	144.8	92.1	149.8	162.2	2.0	7.6	1.3	289.0	306.7	281.4	7.6
SMDH 00105	814309.60	8194342.98	169.85	0.0	1.0	10.0	4514.8	2.1	16.1	722.9	35.6	1023.1	57.0	164.1	104.4	169.8	183.9	1.9	12.9	1.1	356.6	378.3	346.0	10.6
SMDH 00105	814309.60	8194342.98	169.85	1.0	2.0	40.0	3952.5	1.9	10.9	1153.4	50.8	639.1	57.2	164.9	104.9	170.6	184.7	1.6	7.7	1.3	422.9	455.5	409.0	13.9
SMDH 00105	814309.60	8194342.98	169.85	2.0	3.0	60.0	4781.4	2.5	13.1	1466.8	46.9	491.4	61.8	178.1	113.4	184.3	199.6	2.2	9.5	1.2	452.1	481.8	439.1	13.0
SMDH 00105	814309.60	8194342.98	169.85	3.0	4.0	90.0	4325.7	2.4	7.0	2061.3	36.0	433.1	56.2	161.9	103.1	167.5	181.4	2.0	3.6	1.1	456.3	477.7	445.6	10.7
SMDH 00105	814309.60	8194342.98	169.85	4.0	5.0	60.0	2242.0	0.9	3.8	971.2	26.5	639.8	40.6	117.0	74.5	121.1	131.2	0.7	2.0	0.9	359.6	375.2	351.8	7.8
SMDH 00105	814309.60	8194342.98	169.85	5.0	6.0	90.0	2794.0	1.4	5.2	1158.7	22.4	520.3	49.6	142.9	90.9	147.9	160.1	1.2	2.9	0.9	288.6	302.0	282.5	6.1
SMDH 00105	814309.60	8194342.98	169.85	6.0	7.0	80.0	2142.9	1.0	4.3	832.1	11.9	434.0	39.7	114.4	72.8	118.4	128.2	0.9	2.4	0.9	212.7	219.0	209.1	3.6
SMDH 00105	814309.60	8194342.98	169.85	7.0	8.0	90.0	2212.1	1.2	3.9	925.2	13.5	356.6	35.0	100.8	64.2	104.4	113.0	1.0	1.9	0.8	140.8	148.7	137.1	3.7
SMDH 00105	814309.60	8194342.98	169.85	8.0	9.0	85.0	4003.5	2.5	6.1	1840.0	17.5	469.8	53.1	153.0	97.4	158.3	171.4	2.2	2.7	0.9	142.5	153.5	138.3	4.2
SMDH 00105	814309.60	8194342.98	169.85	9.0	10.0	75.0	2040.9	1.1	2.0	1081.8	14.9	358.0	38.5	111.0	70.7	114.9	124.4	0.9	0.0	0.9	213.9	222.4	209.7	4.1
SMDH 00105	814309.60	8194342.98	169.85	10.0	11.0	95.0	2963.8	1.9	3.1	1454.4	16.4	482.8	41.8	120.5	76.7	124.7	135.0	1.7	0.3	0.9	158.5	168.2	154.1	4.4
SMDH 00105	814309.60	8194342.98	169.85	11.0	12.0	70.0	4320.9	2.5	7.0	1928.2	31.2	582.5	72.9	209.8	133.6	217.2	235.2	2.1	3.4	1.2	372.3	391.1	363.2	9.1
SMDH 00105	814309.60	8194342.98	169.85	12.0	13.0	50.0	3729.1	1.9	10.0	1093.8	46.5	575.6	49.2	141.7	90.2	146.7	158.8	1.7	6.9	1.1	365.8	395.3	352.9	12.9
SMDH 00105	814309.60	8194342.98	169.85	13.0	14.0	85.0	2268.7	1.1	4.3	931.9	44.9	323.4	38.5	111.0	70.7	114.9	124.4	0.9	2.2	1.0	263.0	291.7	250.3	12.7
SMDH 00105	814309.60	8194342.98	169.85	14.0	15.0	90.0	4050.5	2.1	11.2	1111.8	46.3	510.2	61.7	177.8	113.2	184.0	199.3	1.8	7.4	1.7	309.0	339.1	296.5	12.5
SMDH 00105	814309.60	8194342.98	169.85	15.0	16.0	80.0	3818.1	2.1	10.5	1032.4	19.9	371.2	65.1	187.4	119.3	194.0	210.0	1.8	6.5	1.9	193.4	205.2	187.5	5.9
SMDH 00105	814309.60	8194342.98	169.85	16.0	17.0	90.0	5911.5	3.1	17.2	1556.4	69.4	638.7	96.8	278.7	177.4	288.4	312.3	2.8	12.3	1.7	477.8	521.7	457.8	20.0
SMDH 00105	814309.60	8194342.98	169.85	17.0	18.0	95.0	5862.7	3.1	18.1	1403.2	54.8	515.5	87.0	250.7	159.6	259.4	280.9	2.8	13.0	1.9	460.2	494.5	444.1	16.0
SMDH 00105	814309.60	8194342.98	169.85	18.0	19.0	80.0	4231.0	2.1	11.5	1240.0	62.1	539.4	67.0	192.9	122.8	199.6	216.1	1.9	8.1	1.3	489.0	526.7	469.7	19.3
SMDH 00105	814309.60	8194342.98	169.85	19.0	20.0	95.0	4335.1	2.3	12.0	1248.3	42.2	663.8	60.9	175.3	111.6	181.4	196.5	2.0	8.8	0.9	459.3	485.4	447.3	12.0
SMDH 00105	814309.60	8194342.98	169.85	20.0	21.0	90.0	2363.4	1.3	6.4	484.7	8.2	755.0	39.5	113.9	72.5	117.9	127.6	1.1	4.1	1.0	93.2	97.4	90.4	2.8
SMDH 00105	814309.60	8194342.98	169.85	21.0	22.0	90.0	2559.6	1.4	6.8	637.3	9.3	592.9	41.6	119.8	76.2	123.9	134.2	1.2	4.3	1.2	137.1	142.3	134.6	2.5
SMDH 00105	814309.60	8194342.98	169.85	22.0	23.0	98.0	2786.4	1.5	7.6	714.3	9.7	500.6	50.6	145.6	92.7	150.7	163.2	1.3	4.9	1.3	216.2	221.3	213.1	3.0
SMDH 00105	814309.60	8194342.98	169.85	23.0	24.0	98.0	4850.6	2.5	13.3	1437.4	41.2	736.1	87.4	251.7	160.2	260.5	282.1	2.1	9.7	1.1	610.0	634.4	597.8	12.2
SMDH 00106	814192.71	8194344.32	171.03	0.0	1.0	40.0	3833.0	1.6	11.2	825.8	42.5	1997.7	30.4	87.5	55.7	90.5	98.0	1.2	9.3	0.3	529.5	554.4	516.4	13.1
SMDH 00106	814192.71	8194344.32	171.03	1.0	2.0	50.0	4181.0	2.0	10.6	1335.3	51.2	950.6	56.9	163.8	104.3	169.5	183.6	1.7	7.7	0.9	540.7	571.6	524.9	15.8
SMDH 00106	814192.71	8194344.32	171.03	2.0	3.0	50.0	4249.4	2.0	12.5	1039.6	45.8	1024.0	72.6	209.1	133.1	216.4	234.3	1.7	9.5	1.0	522.1	549.2	508.0	14.1
SMDH 00106	814192.71	8194344.32	171.03	3.0	4.0	85.0	2979.9	1.7	8.4	783.3	13.3	393.9	58.5	168.5	107.3	174.4	188.9	1.5	5.8	0.9	172.3	179.8	168.4	3.9
SMDH 00106	814192.71	8194344.32	171.03	4.0	5.0	90.0	4377.6	2.7	10.4	1427.4	10.2	509.3	62.7	180.5	114.9	186.8	202.2	2.4	6.7	1.1	133.5	138.8	130.1	3.4
SMDH 00106	814192.71	8194344.32	171.03	5.0	6.0	95.0	5772.2	3.6	13.9	1855.1	7.6	628.7	85.0	244.9	155.9	253.4	274.4	3.2	9.1	1.2	127.1	130.7	124.7	2.4
SMDH 00106	814192.71	8194344.32	171.03	6.0	7.0	95.0	4496.7	2.7	11.6	1373.8	7.7	484.6	63.5	182.9	116.4	189.3	204.9	2.4	7.9	1.0	173.6	177.1	171.0	2.6
SMDH 00106	814192.71	8194344.32	171.03	7.0	8.0	95.0	6664.8	3.7	16.5	2232.6	30.6	826.3	92.5	266.3	169.5	275.6	298.5	3.3	11.6	1.3	583.0	600.0	573.4	9.6
SMDH 00106	814192.71	8194344.32	171.03	8.0	9.0	98.0	6534.1	3.5	18.0	2012.9	43.9	638.9	104.5	301.0	191.6	311.5	337.3	3.1	13.2	1.3	692.7	717.9	679.3	13.4
SMDH 00106	814192.71	8194344.32	171.03	9.0	10.0	80.0	5505.9	2.8	16.4	1446.0	63.6	794.5	90.4	260.3	165.7	269.4	291.7	2.4	12.5	1.2	586.8	623.4	565.9	20.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00106	814192.71	8194344.32	171.03	10.0	11.0	85.0	4346.7	2.1	12.4	1245.1	47.7	674.9	72.3	208.2	132.6	215.5	233.4	1.8	9.3	1.0	500.9	528.9	485.9	15.0
SMDH 00106	814192.71	8194344.32	171.03	11.0	12.0	90.0	5734.8	3.0	15.4	1788.9	70.9	664.1	94.3	271.7	172.9	281.1	304.4	2.6	11.4	1.0	606.5	648.4	583.9	22.6
SMDH 00106	814192.71	8194344.32	171.03	12.0	13.0	90.0	3820.3	1.9	9.8	1130.5	39.6	865.5	64.5	185.8	118.3	192.3	208.3	1.6	6.7	1.2	430.3	454.3	418.8	11.4
SMDH 00106	814192.71	8194344.32	171.03	13.0	14.0	90.0	3520.1	1.7	9.2	1017.7	39.8	760.8	56.2	161.8	103.0	167.4	181.3	1.5	6.3	1.2	367.3	392.1	356.3	11.0
SMDH 00106	814192.71	8194344.32	171.03	14.0	15.0	95.0	4650.5	2.2	11.0	1703.2	52.3	675.6	65.6	189.0	120.3	195.6	211.8	1.9	7.5	1.2	657.9	689.6	642.6	15.2
SMDH 00106	814192.71	8194344.32	171.03	15.0	16.0	85.0	4636.7	2.4	12.1	1439.8	55.3	739.1	66.2	190.6	121.3	197.3	213.6	2.0	8.6	1.2	526.9	561.5	511.3	15.6
SMDH 00107	814074.82	8194348.41	171.49	0.0	1.0	50.0	5783.2	2.8	22.0	832.6	41.1	1202.8	52.0	149.7	95.3	154.9	167.8	2.5	18.8	0.4	497.3	522.3	485.0	12.3
SMDH 00107	814074.82	8194348.41	171.49	1.0	2.0	40.0	3720.4	1.6	12.1	743.0	46.1	961.4	69.4	199.9	127.2	206.9	224.0	1.4	9.3	1.2	389.4	418.3	376.2	13.1
SMDH 00107	814074.82	8194348.41	171.49	2.0	3.0	50.0	2042.5	0.9	4.0	815.7	23.5	449.0	34.9	100.4	63.9	103.9	112.5	0.7	2.0	1.1	270.5	284.4	263.3	7.2
SMDH 00107	814074.82	8194348.41	171.49	3.0	4.0	70.0	3260.7	1.6	6.7	1271.7	22.4	582.5	47.1	135.7	86.3	140.4	152.0	1.4	3.8	1.3	338.6	351.7	332.0	6.6
SMDH 00107	814074.82	8194348.41	171.49	4.0	5.0	85.0	3053.0	1.6	7.1	1046.4	15.0	390.4	55.7	160.3	102.0	165.9	179.6	1.4	4.2	1.3	213.2	221.5	208.8	4.3
SMDH 00107	814074.82	8194348.41	171.49	5.0	6.0	90.0	4348.5	2.2	10.9	1484.4	28.0	494.2	78.6	226.3	144.1	234.2	253.6	1.9	7.4	1.2	487.8	503.7	479.4	8.4
SMDH 00107	814074.82	8194348.41	171.49	6.0	7.0	98.0	3826.1	1.8	10.1	1126.7	66.1	839.6	72.5	208.7	132.9	216.0	233.9	1.5	7.2	1.1	453.7	495.9	434.9	18.8
SMDH 00107	814074.82	8194348.41	171.49	7.0	8.0	98.0	4808.7	2.4	12.8	1470.4	65.9	723.7	78.0	224.6	143.0	232.4	251.7	2.1	9.2	1.2	521.2	562.8	501.9	19.3
SMDH 00107	814074.82	8194348.41	171.49	8.0	9.0	95.0	4694.8	2.4	9.4	1843.5	58.1	771.1	98.1	282.6	179.9	292.5	316.7	2.0	5.5	1.5	582.1	618.3	565.5	16.6
SMDH 00107	814074.82	8194348.41	171.49	9.0	10.0	98.0	3488.1	1.7	8.1	1218.0	54.9	496.4	73.3	211.1	134.4	218.4	236.5	1.5	5.3	1.1	377.1	411.9	361.2	15.9
SMDH 00107	814074.82	8194348.41	171.49	10.0	11.0	90.0	3385.0	1.6	7.0	1278.5	52.8	631.0	75.4	217.0	138.2	224.6	243.2	1.4	4.2	1.2	439.2	472.5	424.0	15.2
SMDH 00107	814074.82	8194348.41	171.49	11.0	12.0	95.0	3395.7	1.5	6.6	1472.0	51.3	582.6	59.4	171.1	108.9	177.0	191.7	1.2	4.2	0.9	620.0	651.2	604.4	15.5
SMDH 00107	814074.82	8194348.41	171.49	12.0	13.0	85.0	2637.1	1.3	5.0	1114.0	22.1	350.5	47.9	137.9	87.8	142.7	154.5	1.1	2.5	1.1	302.5	315.5	296.1	6.4
SMDH 00107	814074.82	8194348.41	171.49	13.0	14.0	95.0	3531.3	1.8	7.7	1313.8	45.8	513.2	47.0	135.4	86.2	140.1	151.7	1.6	4.9	1.0	305.9	335.3	293.3	12.6
SMDH 00107	814074.82	8194348.41	171.49	14.0	15.0	80.0	3451.3	1.7	9.7	983.9	56.2	498.8	51.7	149.0	94.8	154.2	166.9	1.5	7.0	1.0	348.6	385.2	333.1	15.5
SMDH 00107	814074.82	8194348.41	171.49	15.0	16.0	80.0	3852.8	1.9	10.2	1181.9	62.4	574.5	60.6	174.4	111.0	180.5	195.5	1.7	7.2	1.1	407.4	447.8	390.3	17.1
SMDH 00107	814074.82	8194348.41	171.49	16.0	17.0	90.0	3791.3	2.0	8.6	1376.2	33.7	549.9	57.5	165.6	105.4	171.3	185.5	1.7	5.6	1.0	390.4	410.5	380.4	10.0
SMDH 00107	814074.82	8194348.41	171.49	17.0	18.0	50.0	3424.9	1.7	5.7	1547.2	48.1	589.0	51.3	147.9	94.1	153.0	165.7	1.5	2.9	1.0	464.1	494.1	450.5	13.6
SMDH 00108	813957.92	8194344.84	171.40	0.0	1.0	20.0	3175.0	1.2	7.8	1076.4	48.6	1286.3	35.2	101.5	64.6	105.0	113.7	0.9	6.3	0.2	649.7	679.2	635.3	14.3
SMDH 00108	813957.92	8194344.84	171.40	1.0	2.0	50.0	3166.5	1.3	9.2	743.1	37.5	987.4	67.4	194.2	123.6	200.9	217.6	1.1	6.7	1.2	396.0	418.3	384.3	11.6
SMDH 00108	813957.92	8194344.84	171.40	2.0	3.0	40.0	3361.6	1.5	9.0	997.4	47.1	568.5	81.9	235.8	150.1	244.0	264.2	1.2	6.1	1.4	481.7	510.6	467.8	13.9
SMDH 00108	813957.92	8194344.84	171.40	3.0	4.0	40.0	6068.2	3.6	10.8	2710.2	40.2	523.3	80.0	230.5	146.7	238.5	258.3	3.1	6.2	1.1	440.3	464.5	428.2	12.1
SMDH 00108	813957.92	8194344.84	171.40	4.0	5.0	75.0	5391.6	3.2	10.1	2300.0	34.1	423.7	68.3	196.7	125.2	203.5	220.4	2.9	5.9	1.0	341.1	361.9	331.3	9.8
SMDH 00108	813957.92	8194344.84	171.40	5.0	6.0	60.0	4384.3	2.4	10.7	1465.0	33.0	550.7	59.4	171.2	109.0	177.2	191.8	2.2	7.3	1.0	353.3	373.2	343.4	9.9
SMDH 00108	813957.92	8194344.84	171.40	6.0	7.0	70.0	4098.8	2.3	8.8	1553.7	26.0	454.1	60.7	174.9	111.3	181.0	196.0	2.0	5.4	1.1	360.5	375.6	352.8	7.7
SMDH 00108	813957.92	8194344.84	171.40	7.0	8.0	80.0	5019.3	2.7	12.0	1700.2	57.5	687.5	86.5	249.2	158.6	257.9	279.3	2.4	8.0	1.3	505.0	539.8	487.7	17.3
SMDH 00108	813957.92	8194344.84	171.40	8.0	9.0	85.0	5251.7	2.9	14.4	1509.7	44.5	602.4	94.1	271.0	172.5	280.5	303.7	2.6	10.2	1.3	395.8	423.5	383.1	12.7
SMDH 00108	813957.92	8194344.84	171.40	9.0	10.0	90.0	2624.8	1.5	6.8	741.3	26.5	239.3	54.2	156.2	99.4	161.6	175.0	1.3	4.3	1.1	98.7	115.6	91.2	7.4
SMDH 00108	813957.92	8194344.84	171.40	10.0	11.0	90.0	3140.0	1.9	7.1	1045.0	12.1	290.2	75.3	216.9	138.1	224.5	243.1	1.6	3.9	1.3	108.3	115.2	104.7	3.6
SMDH 00108	813957.92	8194344.84	171.40	11.0	12.0	98.0	3252.1	1.8	7.8	1023.5	15.8	585.3	50.3	145.0	92.3	150.1	162.5	1.6	5.0	1.0	197.9	206.9	193.3	4.6
SMDH 00108	813957.92	8194344.84	171.40	12.0	13.0	85.0	5146.7	2.7	14.9	1437.1	42.1	557.2	80.1	230.7	146.9	238.8	258.5	2.4	10.9	1.3	483.2	508.9	470.8	12.5
SMDH 00108	813957.92	8194344.84	171.40	13.0	14.0	95.0	2744.1	1.3	2.9	1602.7	23.5	230.2	25.4	73.2	46.6	75.7	82.0	1.1	0.3	1.3	439.4	452.9	432.7	6.6
SMDH 00108	813957.92	8194344.84	171.40	14.0	15.0	98.0	1795.0	0.8	1.9	1006.5	13.6	288.2	13.1	37.6	23.9	38.9	42.1	0.6	0.0	1.1	254.2	261.4	250.3	3.9
SMDH 00108	813957.92	8194344.84	171.40	15.0	16.0	90.0	3114.1	1.4	6.5	1231.3	30.3	542.2	52.9	152.3	96.9	157.6	170.6	1.2	3.8	1.2	413.2	430.7	404.2	9.0
SMDH 00108	813957.92	8194344.84	171.40	16.0	17.0	90.0	4119.0	2.0	8.2	1720.9	31.8	607.6	66.6	191.8	122.1	198.5	215.0	1.7	4.9	1.3	571.0	589.3	561.5	9.5
SMDH 00108	813957.92	8194344.84	171.40	17.0	18.0	98.0	4752.0	2.6	13.1	1385.7	34.9	556.2	65.0	187.2	119.2	193.7	209.8	2.3	9.5	1.1	357.2	378.6	347.3	9.9
SMDH 00108	813957.92	8194344.84	171.40	18.0	19.0	98.0	2821.1	1.4	4.8	1189.8	21.8	600.5	49.7	143.3	91.2	148.3	160.6	1.2	2.2	1.2	312.4	325.3	306.3	6.1
SMDH 00108	813957.92	8194344.84	171.40	19.0	20.0	98.0	4539.6	2.4	11.5	1419.8	35.9	709.9	79.8	229.9	146.3	237.9	257.6	2.1	7.7	1.4	404.2	425.9	393.8	10.3
SMDH 00109	813839.20	8194343.94	170.74	0.0	1.0	40.0	2285.7	0.8	4.3	728.0	45.4	1658.2	45.7	131.5	83.7	136.1	147.4	0.5	3.2	0.3	424.8	453.6	412.0	12.8
SMDH 00109	813839.20	8194343.94	170.74	1.0	2.0	40.0	3083.7	1.3	9.7	675.5	42.8	544.0	85.8	247.2	157.3	255.8	277.0	1.1	7.0	1.4	361.3	388.4	349.0	12.4
SMDH 00109	813839.20	8194343.94	170.74	2.0	3.0	60.0	3637.9	1.7	9.0	1182.5	46.0	800.0	81.8	235.7	150.0	243.9	264.2	1.4	6.3	1.1	485.6	514.6	472.8	12.8
SMDH 00109	813839.20	8194343.94	170.74	3.0	4.0	80.0	2943.3	1.6	6.3	965.7	10.4	526.8	76.3	219.6	139.8	227.3	246.1	1.4	3.1	1.5	112.0	118.1	109.0	3.0
SMDH 00109	813839.20	8194343.94	170.74	4.0	5.0	90.0	3649.8	2.2	6.4	1415.3	13.1	569.1	90.8	261.4	166.4	270.5	292.9	1.9	2.8	1.4	121.4	129.3	117.8	3.7
SMDH 00109	813839.20	8194343.94	170.74	5.0	6.0	95.0	3956.3	2.5	8.6	1217.7	13.2	664.2	110.8	319.2	203.2	330.4	357.8	2.2	4.7	1.4	46.4	54.6	42.7	3.7
SMDH 00109	813839.20	8194343.94	170.74	6.0	7.0	85.0	2878.1	1.7	6.3	860.3	13.7	645.4	83.4	240.2	152.9	248.5	269.1	1.4	3.3	1.3	81.6	90.0	77.6	4.0
SMDH 00109	813839.20	8194343.94	170.74	7.0	8.0	90.0	2844.3	1.6	6.0	919.9	20.0	495.9	66.5	191.4	121.8	198.1	214.5	1.4	3.0	1.3	104.7	117.5	99.4	5.3
SMDH 00109	813839.20	8194343.94	170.74	8.0	9.0	95.0	2472.4	1.4	4.9	879.4	24.8	263.8	64.3	185.1	117.8	191.5	207.4	1.2	2.2	1.3	118.7	135.2	112.5	6.3
SMDH 00109	813839.20	8194343.94	170.74	9.0	10.0	95.0	3292.7	1.7	7.9	1025.1	44.5	733.0	69.7	200.6	127.7	207.6	224.8	1.4	5.3	0.9	332.7	360.7	319.8	13.0
SMDH 00109	813839.20	8194343.94	170.74	10.0	11.0	98.0	4244.2	2.1	10.5	1372.7	60.5	573.0	103.7	298.8	190.2	309.2	334.8	1.8	6.9	1.4	483.3	521.3	465.8	17.5
SMDH 00109	813839.20	8194343.94	170.74	11.0	12.0	98.0	3070.8	1.7	6.7	1043.6	34.4	381.1	79.1	227.7	145.0	235.7	255.2	1.4	3.6	1.4	254.4	276.2	244.6	9.9
SMDH 00109	813839.20	8194343.94	170.74	12.0	13.0	95.0	2811.9	1.6	6.4	835.9	12.8	539.1	68.4	197.1	125.5	204.0	220.9	1.4	3.5	1.3	120.0	127.5	116.2	3.8
SMDH 00109	813839.20	8194343.94	170.74	13.0	14.0	98.0	3776.6	2.1	7.4	1475.8	15.7	501.7	84.1	242.3	154.3	250.8	271.6	1.8	4.0	1.2	401.4	410.2	397.2	4.2
SMDH 00109	813839.20	8194343.94	170.74	14.0	15.0	98.0	4600.7	2.6	10.8	1414.3	38.4	802.7	110.0	316.8	201.7	327.9	355.0	2.2	6.6	1.6	350.2	374.2	339.2	11.0
SMDH 00109	813839.20	8194343.94	170.74	15.0	16.0	85.0	5339.8	3.3	15.5	1374.2	40.0	252.7	116.6	335.8	213.7	347.5	376.3	3.0	11.2	1.1	254.2	279.9	242.9	11.3
SMDH 00110	813720.43	8194340.35	168.91	0.0	1.0	20.0	3917.8	1.5	9.6	1183.4	63.7	1787.9	65.2	187.7	119.5	194.2	210.3	1.1	7.4	0.6	700.6	741.1	683.2	17.4
SMDH 00110	813720.43	8194340.35	168.91	1.0	2.0	30.0	4877.6	2.2	15.9	1061.9	47.4	1035.4	82.2	236.7	150.7	244.9	265.2	1.9	12.5	1.2	612.6	642.4	599.4	13.2
SMDH 00110	813720.43	8194340.35	168.91	2.0	3.0	60.0	4366.7	2.1	13.2	1011.9	57.1	944.0	71.6	206.3	131.3	213.5	231.2	1.9	9.9	1.1	455.5	492.6	440.6	14.9
SMDH 00110	813720.43	8194340.35	168.91	3.0	4.0	60.0	4394.3	2.6	10.8	1445.6	24.7	398.7	54.9	158.1	100.6	163.6	177.1	2.3	7.3	1.0	243.1	258.5	236.6	6.5
SMDH 00110	813720.43	8194340.35	168.91	4.0	5.0	85.0	4737.2	2.7	17.0	760.2	35.7	273.3	78.3	225.5	143.5	233.4	252.7	2.5	13.1	1.2	266.6	289.8	257.0	9.6
SMDH 00110	813720.43	8194340.35	168.91	5.0	6.0	70.0	6976.0	4.4	16.7	2463.3	45.3	294.5	66.2	190.7	121.4	197.4	213.8	4.0	11.4	0.9	279.8	310.1	268.1	11.8
SMDH 00110	813720.43	8194340.35	168.91	6.0	7.0	75.0	3936.6	2.3	13.5	623.3	20.5	464.6	64.9	187.0	119.0	193.5	209.6	2.1	10.1	1.1	112.2	125.1	106.5	5.6
SMDH 00110	813720.43	8194340.35	168.91	7.0	8.0	70.0	2886.4	1.7	7.8	807.7	12.4	211.6	42.1	121.2	77.2	125.5	135.9	1.6	5.0	1.0	60.4	67.8	56.9	3.5
SMDH 00110	813720.43	8194340.35	168.91	8.0	9.0	80.0	5903.4	3.9	18.3	1346.1	16.1	113.4	79.9	230.0	146.4	238.1	257.8	3.6	13.4	1.1	77.7	87.7	73.2	4.5
SMDH 00110	813720.43	8194340.35	168.91	9.0	10.0	80.0	6655.2	4.0	18.0	1923.2	34.3	634.3	97.0	279.3	177.8	289.0	313.0	3.6	12.7	1.3	334.0	355.5	324.7	9.3
SMDH 00110	813720.43	8194340.35	168.91	10.0	11.0	90.0	5326.9	2.8	14.5	1579.3	39.3	819.7	88.1	253.6	161.4	262.5	284.2	2.5	10.7	1.0	605.1	629.4	594.4	10.7
SMDH 00110	813720.43	8194340.35	168.91	11.0	12.0	90.0	6764.7	3.5	20.2	1798.2	81.2	801.2	93.0	267.8	170.4	277.1	300.1	3.1	15.5	1.3	727.1	778.8	704.5	22.5
SMDH 00110	813720.43	8194340.35	168.91	12.0	13.0	90.0	5270.8	2.8	15.6	1360.1	61.3	702.5	77.6	223.4	142.2	231.2	250.4	2.5	11.7	1.2	489.5	529.0	472.8	16.7
SMDH 00110	813720.43	8194340.35	168.91	13.0	14.0	98.0	4455.3	2.2	11.2	1444.1	75.7	830.0	54.7	157.5	100.3	163.0	176.5	1.9	8.1	0.8	521.7	570.7	501.1	20.6
SMDH 00110	813720.43	8194340.35	168.91	14.0	15.0	95.0	4746.4	2.4	13.2	1402.7	52.4	637.3	74.6	214.9	136.8	222.4	240.8	2.1	9.8	1.0	564.4	596.9	549.2	15.1
SMDH 00110	813720.43	8194340.35	168.91	15.0	16.0	75.0	4680.8	2.3	13.0	1337.9	72.4	851.2	67.2	193.6	123.3	200.4	217.0	2.0	9.8	1.0	578.7	624.3	558.2	20.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00110	813720.43	8194340.35	168.91	16.0	17.0	98.0	3997.6	2.0	11.8	1002.3	30.6	787.2	64.9	187.0	119.0	193.5	209.5	1.8	8.8	0.9	414.9	433.5	406.4	8.5
SMDH 00111	813606.18	8194340.77	166.92	0.0	1.0	10.0	4858.8	2.1	14.3	1315.2	70.0	1191.8	72.0	207.4	132.0	214.6	232.4	1.7	11.3	0.9	785.7	828.3	764.9	20.7
SMDH 00111	813606.18	8194340.77	166.92	1.0	2.0	10.0	5033.9	2.5	15.5	1190.0	59.2	802.9	112.8	324.9	206.8	336.3	364.1	2.1	11.6	1.3	592.3	628.3	574.6	17.8
SMDH 00111	813606.18	8194340.77	166.92	2.0	3.0	15.0	5015.4	2.5	13.8	1505.0	44.5	691.7	93.9	270.5	172.2	280.0	303.2	2.2	10.0	1.3	652.6	679.0	639.6	13.1
SMDH 00111	813606.18	8194340.77	166.92	3.0	4.0	60.0	6507.4	3.4	16.2	2168.3	70.2	877.6	115.8	333.6	212.4	345.2	373.9	3.0	11.6	1.2	723.4	766.3	702.7	20.7
SMDH 00111	813606.18	8194340.77	166.92	4.0	5.0	70.0	5781.0	3.0	17.0	1577.6	71.1	632.8	86.2	248.4	158.1	257.0	278.3	2.7	12.7	1.2	633.7	677.8	612.5	21.2
SMDH 00111	813606.18	8194340.77	166.92	5.0	6.0	60.0	5554.7	2.9	16.0	1528.2	79.0	728.2	85.3	245.5	156.3	254.1	275.2	2.5	12.0	1.2	580.3	630.5	557.8	22.6
SMDH 00111	813606.18	8194340.77	166.92	6.0	7.0	70.0	4439.2	2.3	13.3	1107.0	82.4	585.7	70.4	202.7	129.1	209.8	227.2	2.0	9.9	1.1	426.3	478.9	402.4	23.9
SMDH 00111	813606.18	8194340.77	166.92	7.0	8.0	70.0	5073.8	2.6	15.5	1264.1	88.9	532.4	85.0	244.8	155.8	253.3	274.3	2.3	11.6	1.2	496.5	553.7	471.2	25.3
SMDH 00111	813606.18	8194340.77	166.92	8.0	9.0	70.0	4876.7	2.5	14.7	1238.1	74.1	591.6	81.5	234.6	149.3	242.8	262.9	2.2	11.1	1.2	512.1	559.0	490.6	21.5
SMDH 00111	813606.18	8194340.77	166.92	9.0	10.0	70.0	4750.2	2.4	13.9	1249.1	76.7	592.2	74.4	214.3	136.4	221.8	240.2	2.2	10.3	1.2	469.8	518.4	447.6	22.2
SMDH 00111	813606.18	8194340.77	166.92	10.0	11.0	40.0	4468.9	2.3	12.7	1233.0	69.2	536.6	71.9	207.1	131.8	214.3	232.1	2.0	9.2	1.2	432.7	475.9	412.2	20.5
SMDH 00111	813606.18	8194340.77	166.92	11.0	12.0	100.0	6172.3	3.3	18.1	1668.1	77.8	640.4	103.2	297.4	189.3	307.8	333.3	2.9	13.6	1.2	601.8	650.5	579.0	22.8
SMDH 00111	813606.18	8194340.77	166.92	12.0	13.0	70.0	7052.2	3.7	22.5	1567.0	120.2	882.1	115.4	332.4	211.6	344.0	372.5	3.3	17.4	1.3	691.5	764.3	653.9	37.6
SMDH 00112	813469.22	8194338.85	164.40	0.0	1.0	10.0	3914.8	1.7	11.4	920.4	65.5	1350.3	67.2	193.5	123.2	200.3	216.9	1.4	8.9	0.9	546.2	587.7	526.8	19.5
SMDH 00112	813469.22	8194338.85	164.40	1.0	2.0	30.0	5467.4	2.8	15.7	1449.3	65.6	882.2	87.7	252.6	160.8	261.4	283.1	2.5	11.6	1.2	527.3	569.5	509.1	18.2
SMDH 00112	813469.22	8194338.85	164.40	2.0	3.0	50.0	4794.5	2.5	14.6	1167.5	57.5	633.8	72.3	208.3	132.6	215.6	233.4	2.2	10.9	1.2	436.2	472.3	419.3	16.9
SMDH 00112	813469.22	8194338.85	164.40	3.0	4.0	50.0	4667.8	2.5	14.0	1153.8	50.9	592.6	78.0	224.6	143.0	232.4	251.7	2.2	10.3	1.3	402.3	434.4	387.3	14.9
SMDH 00112	813469.22	8194338.85	164.40	4.0	5.0	70.0	4966.2	2.4	16.8	947.9	52.3	729.3	109.0	313.9	199.8	324.9	351.8	2.1	12.9	1.5	514.5	547.5	499.4	15.2
SMDH 00112	813469.22	8194338.85	164.40	5.0	6.0	80.0	4868.2	2.5	12.8	1468.4	82.7	746.1	80.0	230.3	146.6	238.3	258.1	2.2	9.0	1.2	459.1	512.5	435.9	23.2
SMDH 00112	813469.22	8194338.85	164.40	6.0	7.0	100.0	4895.0	2.5	14.8	1184.6	63.2	719.0	84.9	244.5	155.6	253.0	274.0	2.2	11.1	1.3	463.6	503.9	445.8	17.8
SMDH 00112	813469.22	8194338.85	164.40	7.0	8.0	100.0	5061.4	2.6	14.6	1343.0	52.9	686.9	97.2	280.0	178.2	289.8	313.8	2.3	10.6	1.3	488.4	522.0	473.7	14.7
SMDH 00112	813469.22	8194338.85	164.40	8.0	9.0	90.0	4892.7	2.6	12.6	1562.1	69.8	533.0	81.9	235.8	150.1	244.1	264.3	2.3	8.8	1.2	462.1	506.6	441.8	20.3
SMDH 00112	813469.22	8194338.85	164.40	9.0	10.0	70.0	4433.2	2.2	13.5	1045.7	54.1	738.2	93.4	268.9	171.2	278.3	301.4	1.9	10.1	1.3	467.7	502.4	452.7	15.1
SMDH 00113	813366.95	8194347.41	163.84	0.0	1.0	5.0	4549.3	2.3	16.1	671.2	43.8	967.5	81.3	234.1	149.0	242.3	262.4	2.0	12.5	1.3	313.3	341.6	301.1	12.2
SMDH 00113	813366.95	8194347.41	163.84	1.0	2.0	10.0	4242.4	2.2	13.7	778.2	44.8	880.6	74.0	213.0	135.6	220.5	238.7	2.0	10.2	1.2	222.0	250.9	209.4	12.7
SMDH 00113	813366.95	8194347.41	163.84	2.0	3.0	30.0	4929.2	2.9	16.1	878.2	32.4	571.2	95.2	274.1	174.5	283.6	307.2	2.7	11.8	1.4	114.0	135.3	105.8	8.1
SMDH 00113	813366.95	8194347.41	163.84	3.0	4.0	25.0	2045.0	1.0	5.6	586.6	29.2	173.9	23.7	68.3	43.5	70.7	76.6	0.9	3.4	1.1	131.3	149.8	123.4	7.9
SMDH 00113	813366.95	8194347.41	163.84	4.0	5.0	60.0	2806.6	1.6	7.1	841.1	9.6	340.3	36.6	105.4	67.1	109.1	118.2	1.4	4.4	1.2	83.6	89.0	81.0	2.6
SMDH 00113	813366.95	8194347.41	163.84	5.0	6.0	70.0	3552.3	2.1	10.6	743.1	15.2	593.0	62.3	179.6	114.3	185.8	201.2	1.9	7.4	1.1	53.5	62.8	49.4	4.1
SMDH 00113	813366.95	8194347.41	163.84	6.0	7.0	90.0	4238.2	2.2	12.0	1149.6	40.5	611.7	70.7	203.6	129.6	210.7	228.1	1.9	8.5	1.2	398.6	423.9	387.0	11.6
SMDH 00113	813366.95	8194347.41	163.84	7.0	8.0	100.0	4066.7	2.1	11.5	1099.6	39.1	556.9	70.4	202.9	129.1	209.9	227.3	1.9	8.2	1.1	375.5	399.9	364.3	11.1
SMDH 00114	813249.92	8194341.31	162.54	0.0	1.0	5.0	3566.0	1.8	11.2	792.2	29.2	545.5	62.3	179.4	114.2	185.7	201.0	1.6	8.2	1.3	280.4	298.2	271.7	8.7
SMDH 00114	813249.92	8194341.31	162.54	1.0	2.0	20.0	7315.5	4.4	18.2	2401.0	37.5	504.0	105.2	303.0	192.9	313.6	339.6	4.0	12.5	1.3	346.6	369.9	335.8	10.9
SMDH 00114	813249.92	8194341.31	162.54	2.0	3.0	20.0	7557.8	5.0	13.9	3243.1	17.0	274.1	68.6	197.5	125.7	204.4	221.3	4.6	7.7	1.2	115.8	126.0	111.0	4.9
SMDH 00114	813249.92	8194341.31	162.54	3.0	4.0	60.0	6226.0	4.1	15.6	1906.7	8.1	472.4	96.3	277.2	176.5	286.9	310.7	3.7	10.4	1.1	45.3	49.8	43.1	2.3
SMDH 00114	813249.92	8194341.31	162.54	4.0	5.0	100.0	5637.3	3.5	15.2	1538.1	19.6	601.8	87.5	252.1	160.5	260.9	282.5	3.2	10.3	1.4	89.7	101.5	84.1	5.6
SMDH 00114	813249.92	8194341.31	162.54	5.0	6.0	80.0	6976.1	3.9	20.4	1696.2	24.2	1190.3	144.4	415.8	264.7	430.3	466.0	3.4	15.1	1.4	492.9	506.0	486.0	7.0
SMDH 00114	813249.92	8194341.31	162.54	6.0	7.0	100.0	7235.2	4.6	22.2	1613.6	27.3	474.4	133.2	383.5	244.1	396.9	429.8	4.3	16.4	1.2	118.5	135.4	110.4	8.0
SMDH 00114	813249.92	8194341.31	162.54	7.0	8.0	100.0	6590.0	4.1	21.6	1250.4	27.3	406.6	133.6	384.9	245.0	398.3	431.4	3.8	16.2	1.3	153.3	170.5	145.9	7.4
SMDH 00114	813249.92	8194341.31	162.54	8.0	9.0	90.0	7011.2	4.1	16.7	2425.1	39.9	674.3	101.5	292.3	186.1	302.5	327.6	3.7	11.5	1.2	477.8	502.4	466.5	11.3
SMDH 00114	813249.92	8194341.31	162.54	9.0	10.0	100.0	6892.5	3.9	20.3	1795.7	21.2	543.5	151.1	435.2	277.0	450.4	487.7	3.5	14.7	1.6	523.5	534.5	517.0	6.5
SMDH 00115	813123.98	8194344.48	161.46	0.0	1.0	10.0	2385.4	1.2	10.3	178.6	19.6	211.6	12.3	35.5	22.6	36.8	39.8	1.1	8.5	0.6	80.0	91.7	74.4	5.6
SMDH 00115	813123.98	8194344.48	161.46	1.0	2.0	15.0	5444.5	2.9	17.3	1199.2	47.2	654.6	88.4	254.6	162.1	263.5	285.4	2.6	12.9	1.5	445.4	473.9	431.2	14.2
SMDH 00115	813123.98	8194344.48	161.46	2.0	3.0	15.0	6304.1	3.8	14.1	2342.3	23.9	495.3	68.0	195.9	124.7	202.8	219.6	3.4	9.1	1.2	335.0	348.8	327.8	7.2
SMDH 00115	813123.98	8194344.48	161.46	3.0	4.0	15.0	3817.6	2.1	9.9	1193.5	30.6	326.3	47.2	135.8	86.5	140.6	152.2	1.9	6.6	1.3	249.5	267.5	240.0	9.5
SMDH 00115	813123.98	8194344.48	161.46	4.0	5.0	50.0	4768.7	2.7	13.2	1353.7	26.2	399.1	67.3	193.9	123.4	200.6	217.3	2.4	9.1	1.4	275.0	290.5	267.3	7.7
SMDH 00115	813123.98	8194344.48	161.46	5.0	6.0	50.0	4920.7	2.8	14.9	1170.7	28.9	447.4	82.3	236.9	150.8	245.2	265.5	2.6	10.8	1.3	293.0	310.3	284.3	8.7
SMDH 00115	813123.98	8194344.48	161.46	6.0	7.0	50.0	5008.0	2.8	15.6	1112.4	36.0	572.2	85.6	246.5	156.9	255.1	276.2	2.5	11.4	1.4	315.3	336.9	304.2	11.1
SMDH 00115	813123.98	8194344.48	161.46	7.0	8.0	100.0	5025.6	2.8	15.7	1159.7	36.4	395.4	81.1	233.5	148.7	241.7	261.7	2.6	11.5	1.4	351.4	373.7	341.1	10.3
SMDH 00115	813123.98	8194344.48	161.46	8.0	9.0	80.0	4693.7	2.6	14.8	1025.5	29.6	509.0	76.2	219.5	139.7	227.1	246.0	2.4	10.9	1.3	307.0	324.4	298.0	9.0
SMDH 00115	813123.98	8194344.48	161.46	9.0	10.0	70.0	4815.4	2.8	16.0	901.5	17.8	469.8	88.2	253.9	161.6	262.8	284.6	2.5	11.9	1.3	266.4	276.6	261.2	5.2
SMDH 00115	813123.98	8194344.48	161.46	10.0	11.0	90.0	4615.8	2.6	14.4	1017.3	21.5	516.5	73.3	211.0	134.3	218.4	236.5	2.4	10.4	1.4	266.5	279.1	260.6	5.9
SMDH 00115	813123.98	8194344.48	161.46	11.0	12.0	80.0	8173.5	5.7	29.2	926.2	50.7	584.5	103.8	299.0	190.3	309.4	335.0	5.4	22.0	1.5	348.8	380.7	334.7	14.1
SMDH 00115	813123.98	8194344.48	161.46	12.0	13.0	80.0	4493.3	2.5	14.7	883.3	36.0	495.5	78.9	227.2	144.6	235.1	254.6	2.3	10.9	1.3	286.6	309.5	276.7	9.9
SMDH 00115	813123.98	8194344.48	161.46	13.0	14.0	80.0	4871.0	2.8	15.3	1044.5	41.7	474.9	82.0	236.3	150.4	244.6	264.8	2.5	11.2	1.3	268.1	295.1	257.0	11.2
SMDH 00115	813123.98	8194344.48	161.46	14.0	15.0	50.0	5434.1	3.1	17.6	1121.4	42.7	499.4	85.5	246.2	156.7	254.8	275.9	2.9	13.1	1.3	270.7	298.4	259.3	11.4
SMDH 00116	812998.97	8194346.50	160.90	0.0	1.0	5.0	4670.9	2.2	16.1	868.1	36.4	925.3	85.3	245.8	156.4	254.3	275.4	1.9	12.7	1.2	488.2	509.8	477.2	11.0
SMDH 00116	812998.97	8194346.50	160.90	1.0	2.0	15.0	7486.3	4.6	14.2	3234.6	22.5	518.0	63.6	183.1	116.6	189.5	205.2	4.2	8.6	0.9	295.0	308.6	288.7	6.3
SMDH 00116	812998.97	8194346.50	160.90	2.0	3.0	20.0	4843.2	2.6	12.9	1523.1	30.0	403.5	57.8	166.4	106.0	172.3	186.5	2.4	9.0	1.3	320.7	339.4	312.2	8.5
SMDH 00116	812998.97	8194346.50	160.90	3.0	4.0	30.0	5189.5	2.9	15.1	1330.2	28.3	642.2	76.4	220.0	140.0	227.7	246.5	2.6	10.9	1.3	383.8	400.2	375.1	8.7
SMDH 00116	812998.97	8194346.50	160.90	4.0	5.0	40.0	4670.2	2.6	14.9	1047.3	23.2	336.7	69.3	199.7	127.1	206.7	223.8	2.4	11.0	1.3	275.5	289.4	268.8	6.7
SMDH 00116	812998.97	8194346.50	160.90	5.0	6.0	70.0	7111.5	3.8	24.0	1433.6	43.2	777.9	148.1	426.5	271.5	441.4	478.0	3.3	18.8	1.4	584.6	610.6	571.9	12.7
SMDH 00116	812998.97	8194346.50	160.90	6.0	7.0	80.0	5417.9	2.8	17.7	1190.0	36.6	521.0	101.5	292.3	186.1	302.6	327.6	2.5	13.3	1.6	472.5	494.3	461.5	11.0
SMDH 00116	812998.97	8194346.50	160.90	7.0	8.0	100.0	2679.2	1.4	9.1	545.9	22.2	193.5	43.9	126.4	80.4	130.8	141.6	1.3	6.9	0.8	197.9	211.7	191.6	6.3
SMDH 00116	812998.97	8194346.50	160.90	8.0	9.0	90.0	3328.4	1.6	10.6	774.9	20.3	335.2	55.8	160.7	102.3	166.3	180.1	1.5	7.7	1.3	306.5	318.3	300.3	6.2
SMDH 00116	812998.97	8194346.50	160.90	9.0	10.0	100.0	4716.1	2.3	14.4	1246.2	33.9	539.2	76.4	220.0	140.0	227.7	246.5	2.0	10.9	1.3	569.7	589.9	560.2	9.5
SMDH 00116	812998.97	8194346.50	160.90	10.0	11.0	90.0	5223.1	2.5	15.9	1371.2	39.0	691.0	87.8	252.8	160.9	261.6	283.3	2.2	12.1	1.4	641.6	665.0	630.5	11.1
SMDH 00116	812998.97	8194346.50	160.90	11.0	12.0	90.0	4906.2	2.5	16.2	1060.8	25.8	550.4	95.3	274.5	174.7	284.1	307.6	2.2	12.4	1.4	458.4	473.3	450.9	7.5
SMDH 00116	812998.97	8194346.50	160.90	12.0	13.0	90.0	3898.6	2.0	12.4	872.2	21.8	462.9	71.8	206.8	131.6	214.0	231.7	1.8	9.0	1.4	337.5	350.3	330.9	6.6
SMDH 00116	812998.97	8194346.50	160.90	13.0	14.0	90.0	5974.1	3.2	21.3	987.4	17.5	711.8	98.2	282.8	180.0	292.7	317.0	2.9	16.6	1.5	406.1	415.9	401.2	4.9
SMDH 00116	812998.97	8194346.50	160.90	14.0	15.0	90.0	4389.2	2.3	13.9	944.5	26.2	656.2	81.2	233.9	148.9	242.1	262.2	2.1	10.2	1.3	309.9	325.5	302.3	7.6
SMDH 00116	812998.97	8194346.50	160.90	15.0	16.0	80.0	4224.0	2.4	13.6	873.5	29.2	458.6	71.8	206.7	131.6	213.9	231.6	2.2	10.1	1.1	201.1	219.4	192.8	8.3
SMDH 00116	812998.97	8194346.50	160.90	16.0	17.0	90.0	5357.5	3.0	15.9	1368.3	46.5	437.7	80.6	232.1	147.8	240.2	260.1	2.7	11.6	1.3	370.7	399.6	357.4	13.4
SMDH 00116	812998.97	8194346.50	160.90	17.0	18.0	40.0	5471.4	3.0	15.9	1417.6	80.6	646.5	78.7	226.7	144.3	234.6	254.0	2.7	11.6	1.2	412.1	463.4	388.6	23.5
SMDH 00117	812875.42	8194342.16	159.21	0.0	1.0	10.0	2982.3	1.3	10.1	629.0	35.9	481.0	40.6	117.0	74.5	121.1	131.1	1.2	7.9	0.8	358.9	381.5	349.2	9.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00117	812875.42	8194342.16	159.21	1.0	2.0	10.0	4059.0	2.1	12.4	1008.7	38.1	411.2	51.2	147.4	93.8	152.5	165.1	1.9	9.1	1.2	315.8	339.6	305.2	10.7
SMDH 00117	812875.42	8194342.16	159.21	2.0	3.0	20.0	5159.4	3.0	15.2	1306.8	28.6	508.1	58.5	168.6	107.3	174.5	188.9	2.8	11.0	1.2	261.4	279.6	254.2	7.1
SMDH 00117	812875.42	8194342.16	159.21	3.0	4.0	60.0	4671.6	2.6	14.8	1085.8	31.2	376.1	65.1	187.5	119.3	194.0	210.1	2.3	10.9	1.3	383.2	401.6	374.4	8.8
SMDH 00117	812875.42	8194342.16	159.21	4.0	5.0	80.0	5530.6	3.2	18.0	1151.0	41.5	386.2	78.0	224.7	143.0	232.6	251.8	2.9	13.5	1.4	386.9	412.6	375.6	11.3
SMDH 00117	812875.42	8194342.16	159.21	5.0	6.0	100.0	5195.8	2.9	16.4	1175.5	36.1	463.7	74.0	213.3	135.8	220.7	239.0	2.7	12.1	1.3	410.2	432.6	400.4	9.8
SMDH 00117	812875.42	8194342.16	159.21	6.0	7.0	90.0	6900.3	4.0	23.9	1036.3	38.7	1019.1	142.4	410.0	261.0	424.3	459.5	3.7	18.6	1.3	343.7	367.0	332.0	11.7
SMDH 00117	812875.42	8194342.16	159.21	7.0	8.0	90.0	5025.9	2.8	16.3	984.9	38.5	722.5	81.2	233.8	148.8	242.0	262.0	2.5	12.1	1.3	295.4	319.3	284.1	11.2
SMDH 00117	812875.42	8194342.16	159.21	8.0	9.0	80.0	5783.6	3.3	19.7	1091.5	38.0	455.7	81.8	235.5	149.9	243.7	263.9	3.0	15.1	1.3	283.9	307.3	272.5	11.4
SMDH 00117	812875.42	8194342.16	159.21	9.0	10.0	90.0	4780.0	2.9	18.3	601.6	2.3	41.1	79.6	229.2	145.9	237.2	256.9	2.7	14.1	1.3	4.2	4.5	2.3	1.9
SMDH 00117	812875.42	8194342.16	159.21	10.0	11.0	90.0	4852.5	2.7	15.5	1076.3	39.0	439.8	71.7	206.6	131.5	213.9	231.6	2.4	11.5	1.3	253.5	277.3	241.7	11.8
SMDH 00117	812875.42	8194342.16	159.21	11.0	12.0	80.0	5086.9	2.9	16.9	1020.7	41.9	373.0	79.3	228.4	145.4	236.4	256.0	2.6	12.7	1.4	239.4	265.7	227.3	12.2
SMDH 00117	812875.42	8194342.16	159.21	12.0	13.0	100.0	4689.8	2.6	15.4	967.3	38.3	383.2	60.2	173.5	110.4	179.5	194.4	2.4	11.5	1.3	253.3	277.1	242.1	11.2
SMDH 00117	812875.42	8194342.16	159.21	13.0	14.0	100.0	5062.4	2.7	16.3	1134.1	33.1	485.1	75.9	218.6	139.1	226.2	245.0	2.5	12.3	1.3	416.3	435.4	405.8	10.5
SMDH 00118	812751.33	8194351.77	158.33	0.0	1.0	40.0	3316.1	1.5	10.6	705.6	59.2	705.3	78.7	226.7	144.3	234.7	254.1	1.3	8.3	0.7	379.3	417.0	362.4	16.9
SMDH 00118	812751.33	8194351.77	158.33	1.0	2.0	75.0	2224.9	1.1	7.7	412.7	25.3	349.4	39.4	113.4	72.2	117.3	127.0	1.0	6.1	0.5	207.0	222.8	199.7	7.4
SMDH 00118	812751.33	8194351.77	158.33	2.0	3.0	60.0	4924.3	2.7	14.4	1260.1	32.3	644.4	68.0	195.8	124.6	202.6	219.4	2.5	10.5	1.2	359.3	379.0	350.1	9.3
SMDH 00118	812751.33	8194351.77	158.33	3.0	4.0	50.0	6006.3	3.9	13.9	2090.8	20.3	324.2	64.1	184.5	117.5	191.0	206.8	3.6	8.9	1.1	354.1	365.3	348.4	5.7
SMDH 00118	812751.33	8194351.77	158.33	4.0	5.0	80.0	4309.0	2.6	12.0	1187.5	19.9	315.1	55.2	158.9	101.1	164.4	178.1	2.3	8.2	1.2	264.8	276.1	259.1	5.7
SMDH 00118	812751.33	8194351.77	158.33	5.0	6.0	50.0	3818.9	2.3	9.9	1153.0	17.3	228.4	45.4	130.9	83.3	135.4	146.7	2.1	6.4	1.2	191.4	201.3	186.6	4.8
SMDH 00118	812751.33	8194351.77	158.33	6.0	7.0	70.0	3881.5	2.3	11.6	913.1	10.6	313.0	60.4	174.0	110.8	180.1	195.0	2.1	8.0	1.3	135.8	141.6	133.0	2.8
SMDH 00119	812639.93	8194346.18	158.32	0.0	1.0	30.0	4504.7	2.4	16.7	606.4	53.7	507.5	101.1	291.3	185.4	301.5	326.4	2.1	13.3	1.1	263.8	298.5	248.8	15.0
SMDH 00119	812639.93	8194346.18	158.32	1.0	2.0	60.0	4169.2	2.2	15.0	647.2	45.8	437.0	82.0	236.1	150.3	244.3	264.6	2.0	11.7	1.0	255.5	285.0	242.9	12.7
SMDH 00119	812639.93	8194346.18	158.32	2.0	3.0	90.0	4199.9	2.2	14.6	738.5	46.9	490.7	82.5	237.6	151.2	245.8	266.2	2.0	11.3	1.0	290.7	320.8	277.7	13.0
SMDH 00119	812639.93	8194346.18	158.32	3.0	4.0	60.0	4397.7	2.2	15.0	798.2	48.2	735.5	81.2	233.8	148.8	241.9	262.0	1.9	11.7	1.2	394.1	424.8	380.7	13.4
SMDH 00119	812639.93	8194346.18	158.32	4.0	5.0	60.0	4860.2	2.2	14.4	1228.2	63.0	1147.5	75.6	217.9	138.7	225.5	244.2	1.9	11.1	1.0	647.6	686.7	629.6	18.0
SMDH 00119	812639.93	8194346.18	158.32	5.0	6.0	90.0	5303.7	2.9	17.6	1090.5	43.5	501.5	85.4	245.9	156.5	254.5	275.6	2.6	13.4	1.3	436.0	463.1	423.7	12.3
SMDH 00119	812639.93	8194346.18	158.32	6.0	7.0	80.0	5151.3	3.0	16.0	1134.3	21.8	576.0	68.1	196.2	124.9	203.1	219.9	2.8	11.7	1.2	308.2	320.9	302.2	6.0
SMDH 00119	812639.93	8194346.18	158.32	7.0	8.0	80.0	3669.7	2.1	10.6	929.8	16.1	337.8	46.5	133.9	85.3	138.6	150.1	1.9	7.2	1.3	193.6	202.6	189.0	4.6
SMDH 00120	814496.23	8194472.24	169.33	0.0	1.0	20.0	6779.6	3.8	21.5	1497.1	74.2	624.4	100.4	289.1	184.0	299.2	324.0	3.5	16.2	1.4	406.6	452.9	384.8	21.8
SMDH 00120	814496.23	8194472.24	169.33	1.0	2.0	50.0	7435.8	4.0	28.0	938.9	51.3	740.6	173.9	500.9	318.9	518.4	561.4	3.6	22.0	2.0	509.3	540.3	493.5	15.8
SMDH 00120	814496.23	8194472.24	169.33	2.0	3.0	75.0	5309.4	2.7	18.3	983.9	50.8	740.8	91.6	263.7	167.9	272.9	295.6	2.4	14.4	1.1	438.3	469.3	423.1	15.2
SMDH 00120	814496.23	8194472.24	169.33	3.0	4.0	80.0	5448.8	3.0	17.3	1180.6	62.8	680.0	86.4	248.9	158.4	257.6	278.9	2.7	13.2	1.1	354.6	394.3	336.9	17.7
SMDH 00120	814496.23	8194472.24	169.33	4.0	5.0	98.0	6465.6	3.6	20.9	1371.6	54.7	659.9	99.7	287.1	182.8	297.2	321.8	3.3	15.8	1.4	346.5	380.6	330.6	15.9
SMDH 00120	814496.23	8194472.24	169.33	5.0	6.0	98.0	11697.8	8.8	32.1	2750.0	41.9	382.9	288.9	832.0	529.6	861.0	932.4	8.1	22.0	1.3	142.8	168.9	130.3	12.5
SMDH 00120	814496.23	8194472.24	169.33	6.0	7.0	80.0	10720.1	7.9	31.3	2261.6	43.6	327.9	276.8	797.4	507.6	825.2	893.6	7.3	22.0	1.4	152.2	179.8	139.5	12.7
SMDH 00120	814496.23	8194472.24	169.33	7.0	8.0	80.0	6956.8	4.1	23.4	1258.8	32.4	680.7	133.7	385.1	245.1	398.5	431.6	3.7	17.6	1.7	270.7	289.8	261.0	9.7
SMDH 00121	814377.29	8194463.53	170.62	0.0	1.0	20.0	4716.0	2.4	17.9	626.0	25.3	851.8	71.7	206.5	131.5	213.7	231.4	2.2	14.7	0.8	310.6	325.6	303.1	7.5
SMDH 00121	814377.29	8194463.53	170.62	1.0	2.0	40.0	4862.0	2.3	17.8	835.2	37.1	509.7	91.8	264.5	168.4	273.7	296.4	2.1	14.1	1.4	461.3	484.1	450.9	10.4
SMDH 00121	814377.29	8194463.53	170.62	2.0	3.0	75.0	5706.2	3.4	14.9	1737.0	32.2	515.8	78.0	224.6	143.0	232.4	251.7	3.1	10.3	1.1	284.6	304.1	275.2	9.3
SMDH 00121	814377.29	8194463.53	170.62	3.0	4.0	80.0	5378.7	2.9	15.9	1353.4	52.8	717.4	85.8	247.2	157.3	255.8	277.0	2.6	11.8	1.2	411.3	443.6	395.7	15.6
SMDH 00121	814377.29	8194463.53	170.62	4.0	5.0	90.0	4111.7	2.2	12.5	986.7	20.8	578.6	68.3	196.7	125.2	203.6	220.4	1.9	9.1	1.2	304.4	316.5	298.6	5.9
SMDH 00121	814377.29	8194463.53	170.62	5.0	6.0	85.0	2508.8	1.5	6.5	789.4	10.4	93.8	26.8	77.3	49.2	80.0	86.6	1.3	4.1	1.0	84.5	90.5	81.3	3.2
SMDH 00121	814377.29	8194463.53	170.62	6.0	7.0	85.0	4512.7	2.6	13.8	988.6	26.5	727.1	75.6	217.7	138.6	225.3	244.0	2.3	10.3	1.0	242.2	257.8	234.0	8.2
SMDH 00121	814377.29	8194463.53	170.62	7.0	8.0	95.0	4495.6	2.4	13.6	1103.0	38.1	619.1	74.2	213.6	136.0	221.1	239.4	2.1	10.2	1.0	395.1	417.4	383.1	11.9
SMDH 00121	814377.29	8194463.53	170.62	8.0	9.0	95.0	4639.2	2.5	13.6	1194.9	39.1	643.7	73.8	212.4	135.2	219.8	238.1	2.2	10.1	1.0	375.7	398.7	363.5	12.2
SMDH 00121	814377.29	8194463.53	170.62	9.0	10.0	90.0	4793.7	2.5	15.8	976.0	47.5	650.0	85.1	245.2	156.1	253.7	274.8	2.2	12.1	1.1	406.9	435.8	392.2	14.7
SMDH 00121	814377.29	8194463.53	170.62	10.0	11.0	98.0	4278.2	2.6	13.0	913.5	12.1	490.9	72.7	209.5	133.3	216.8	234.8	2.4	9.2	1.2	57.5	64.2	53.8	3.8
SMDH 00121	814377.29	8194463.53	170.62	11.0	12.0	85.0	3785.5	2.3	11.1	863.8	8.1	391.4	69.3	199.5	127.0	206.5	223.6	2.1	7.6	1.2	36.8	41.0	34.3	2.5
SMDH 00122	814259.41	8194460.32	171.85	0.0	1.0	30.0	4981.4	2.5	18.6	748.9	35.0	816.4	64.4	185.5	118.1	192.0	207.9	2.2	15.2	1.0	388.5	409.1	377.3	11.2
SMDH 00122	814259.41	8194460.32	171.85	1.0	2.0	40.0	4136.7	1.9	14.1	735.6	41.0	994.7	75.2	216.5	137.8	224.1	242.6	1.6	11.0	1.2	426.1	450.7	413.4	12.7
SMDH 00122	814259.41	8194460.32	171.85	2.0	3.0	50.0	5097.2	3.0	13.5	1572.0	41.3	425.8	57.7	166.2	105.8	172.0	186.3	2.7	9.5	1.0	315.4	340.7	302.9	12.5
SMDH 00122	814259.41	8194460.32	171.85	3.0	4.0	80.0	5822.8	3.5	12.3	2299.7	39.0	464.8	51.5	148.2	94.4	153.4	166.1	3.1	8.0	0.9	346.2	369.5	334.0	12.2
SMDH 00122	814259.41	8194460.32	171.85	4.0	5.0	75.0	5302.2	2.9	13.0	1827.1	54.2	569.2	60.6	174.6	111.1	180.7	195.7	2.6	9.0	1.1	471.2	504.9	455.2	15.9
SMDH 00122	814259.41	8194460.32	171.85	5.0	6.0	85.0	3915.8	2.4	9.9	1228.1	13.4	280.8	49.2	141.6	90.1	146.6	158.7	2.2	6.4	1.0	109.9	117.6	106.0	4.0
SMDH 00122	814259.41	8194460.32	171.85	6.0	7.0	80.0	4173.1	2.4	11.1	1307.6	20.5	221.7	52.9	152.4	97.0	157.8	170.8	2.2	7.5	1.2	273.1	285.1	267.4	5.7
SMDH 00122	814259.41	8194460.32	171.85	7.0	8.0	85.0	5086.7	2.8	15.9	1221.8	47.6	464.1	65.8	189.6	120.7	196.2	212.5	2.5	12.1	1.1	422.7	451.4	408.2	14.6
SMDH 00122	814259.41	8194460.32	171.85	8.0	9.0	85.0	4087.3	2.2	11.6	1142.8	59.1	410.5	50.4	145.2	92.4	150.3	162.8	2.0	8.3	1.1	366.4	403.1	348.6	17.8
SMDH 00122	814259.41	8194460.32	171.85	9.0	10.0	85.0	3684.7	1.9	11.0	920.5	55.5	452.8	51.0	147.0	93.6	152.1	164.7	1.7	8.1	1.0	329.6	364.2	312.8	16.8
SMDH 00123	814136.81	8194464.87	173.00	0.0	1.0	30.0	3944.6	2.1	12.1	953.2	46.3	456.7	55.2	159.0	101.2	164.5	178.2	1.9	9.0	1.0	347.0	376.2	333.7	13.4
SMDH 00123	814136.81	8194464.87	173.00	1.0	2.0	80.0	3794.2	1.7	12.5	765.0	51.4	758.3	60.6	174.5	111.1	180.6	195.5	1.5	9.6	1.2	411.9	444.3	397.1	14.8
SMDH 00123	814136.81	8194464.87	173.00	2.0	3.0	70.0	3723.5	1.7	11.3	1034.7	35.7	386.0	65.1	187.5	119.3	194.0	210.1	1.4	8.4	1.2	534.4	555.3	523.1	11.3
SMDH 00123	814136.81	8194464.87	173.00	3.0	4.0	75.0	4769.1	2.5	13.6	1369.4	45.0	546.1	66.6	191.8	122.1	198.5	215.0	2.2	9.9	1.2	408.3	435.7	394.8	13.5
SMDH 00123	814136.81	8194464.87	173.00	4.0	5.0	85.0	4137.3	2.0	12.8	1007.1	51.6	584.2	67.8	195.2	124.2	202.0	218.7	1.8	9.6	1.2	373.1	405.7	358.3	14.8
SMDH 00123	814136.81	8194464.87	173.00	5.0	6.0	90.0	4824.8	2.5	14.0	1319.2	46.9	570.0	66.5	191.6	121.9	198.3	214.7	2.3	10.4	1.1	345.7	375.1	331.6	14.1
SMDH 00123	814136.81	8194464.87	173.00	6.0	7.0	90.0	4707.8	2.5	14.8	1124.0	39.7	463.5	74.4	214.2	136.4	221.7	240.1	2.2	11.2	1.2	336.5	361.6	325.3	11.2
SMDH 00123	814136.81	8194464.87	173.00	7.0	8.0	95.0	4996.0	2.6	15.5	1225.0	49.0	574.8	77.8	224.0	142.6	231.8	251.0	2.3	11.8	1.1	381.3	412.7	367.9	13.4
SMDH 00123	814136.81	8194464.87	173.00	8.0	9.0	95.0	4585.8	2.4	13.6	1175.4	59.6	569.3	71.2	205.2	130.6	212.3	229.9	2.1	10.0	1.2	368.1	406.7	351.4	16.7
SMDH 00123	814136.81	8194464.87	173.00	9.0	10.0	90.0	4401.5	2.3	13.6	1085.2	49.7	493.1	70.3	202.6	128.9	209.6	227.0	2.0	10.3	1.1	386.2	417.9	372.2	14.1
SMDH 00123	814136.81	8194464.87	173.00	10.0	11.0	95.0	4823.9	2.5	15.0	1152.0	55.4	646.5	79.5	229.1	145.8	237.1	256.7	2.2	11.4	1.1	435.8	470.8	420.0	15.7
SMDH 00123	814136.81	8194464.87	173.00	11.0	12.0	90.0	5723.2	2.9	17.5	1462.0	46.7	701.3	96.4	277.7	176.8	287.4	311.2	2.6	13.4	1.2	546.3	574.8	532.4	13.9
SMDH 00123	814136.81	8194464.87	173.00	12.0	13.0	90.0	5549.3	2.8	16.5	1505.5	38.1	660.8	91.9	264.7	168.5	274.0	296.7	2.5	12.6	1.1	560.3	583.1	548.9	11.4
SMDH 00124	814013.41	8194466.80	173.64	0.0	1.0	40.0	6199.5	3.2	26.2	515.4	25.9	732.6	59.6	171.5	109.2	177.5	192.2	3.0	21.9	1.0	271.7	287.3	264.0	7.6
SMDH 00124	814013.41	8194466.80	173.64	1.0	2.0	75.0	5923.8	2.9	22.7	710.6	43.1	1145.4	83.5	240.4	153.0	248.8	269.4	2.6	18.4	1.4	389.7	416.2	377.3	12.4
SMDH 00124	814013.41	8194466.80	173.64	2.0	3.0	60.0	4832.0	2.4	18.4	620.2	21.4	724.1	92.1	265.3	168.9	274.6	297.4	2.1	14.6	1.4	349.7	361.9	343.2	6.5
SMDH 00124	814013.41	8194466.80	173.64	3.0	4.0	80.0	4880.8	2.4	16.3	1024.6	31.4	720.6	100.1	288.3	183.5	298.4	323.1	2.1	12.7	1.3	483.1	501.7	473.9	9.2
SMDH 00124	814013.41	8194466.80	173.64	4.0	5.0	90.0	3417.6	1.6	11.4	763.5	32.9	286.3	57.7	166.2	105.8	172.0	186.2	1.4	8.5	1.3	335.7	356.7	326.9	8.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00124	814013.41	8194466.80	173.64	5.0	6.0	95.0	3938.8	1.9	14.2	685.5	32.4	440.3	67.5	194.4	123.7	201.2	217.9	1.7	11.1	1.3	351.9	372.1	343.0	8.9
SMDH 00124	814013.41	8194466.80	173.64	6.0	7.0	95.0	4094.8	2.0	13.9	828.5	40.7	456.2	78.0	224.6	143.0	232.4	251.7	1.8	10.6	1.2	353.6	378.6	341.1	12.4
SMDH 00124	814013.41	8194466.80	173.64	7.0	8.0	5.0	4611.1	2.4	13.7	1228.9	44.2	474.5	66.3	191.1	121.6	197.8	214.2	2.2	10.1	1.1	358.0	385.7	345.1	12.8
SMDH 00124	814013.41	8194466.80	173.64	8.0	9.0	95.0	4672.3	2.4	13.6	1270.8	60.9	552.8	74.6	214.7	136.7	222.2	240.7	2.1	9.9	1.2	381.2	420.6	364.5	16.7
SMDH 00124	814013.41	8194466.80	173.64	9.0	10.0	85.0	4137.1	2.0	13.1	935.2	56.1	682.3	71.6	206.2	131.3	213.4	231.1	1.7	10.0	1.2	399.5	435.3	383.8	15.7
SMDH 00124	814013.41	8194466.80	173.64	10.0	11.0	75.0	4434.7	2.1	13.4	1167.0	73.9	473.1	65.9	189.7	120.8	196.4	212.6	1.9	10.0	1.3	419.7	466.4	398.4	21.4
SMDH 00125	813895.33	8194465.46	173.45	0.0	1.0	10.0	3646.7	1.6	11.9	715.6	38.4	1132.0	44.8	129.1	82.2	133.7	144.7	1.3	9.3	1.0	409.8	433.5	398.8	11.0
SMDH 00125	813895.33	8194465.46	173.45	1.0	2.0	80.0	3178.3	1.3	9.6	797.1	50.6	743.7	52.9	152.3	96.9	157.6	170.6	1.1	7.2	1.0	460.7	492.7	446.3	14.3
SMDH 00125	813895.33	8194465.46	173.45	2.0	3.0	98.0	3489.1	1.6	10.7	850.5	56.6	696.1	52.9	152.3	96.9	157.6	170.6	1.3	8.2	1.0	444.5	480.9	428.9	15.6
SMDH 00125	813895.33	8194465.46	173.45	3.0	4.0	90.0	2984.7	1.3	7.9	934.9	63.1	515.2	50.6	145.6	92.7	150.7	163.2	1.1	5.6	0.9	419.5	460.2	402.0	17.5
SMDH 00125	813895.33	8194465.46	173.45	4.0	5.0	90.0	3553.0	1.7	9.7	1056.8	43.0	619.7	59.9	172.7	109.9	178.7	193.5	1.4	7.0	1.0	421.3	448.2	409.2	12.1
SMDH 00125	813895.33	8194465.46	173.45	5.0	6.0	98.0	5532.1	2.9	15.9	1499.4	52.8	618.0	99.2	285.8	182.0	295.8	320.3	2.6	11.4	1.6	404.9	438.7	389.9	15.0
SMDH 00125	813895.33	8194465.46	173.45	6.0	7.0	85.0	5234.5	2.6	14.4	1568.0	49.5	777.3	89.8	258.7	164.6	267.7	289.9	2.2	10.6	1.3	592.1	622.5	577.6	14.5
SMDH 00125	813895.33	8194465.46	173.45	7.0	8.0	90.0	6171.3	3.3	16.2	1975.8	35.7	774.8	92.5	266.4	169.6	275.7	298.5	2.9	11.6	1.2	543.1	564.2	532.4	10.7
SMDH 00125	813895.33	8194465.46	173.45	8.0	9.0	75.0	5505.1	2.7	14.4	1809.0	57.6	696.8	89.0	256.2	163.1	265.2	287.2	2.4	10.5	1.2	679.7	715.5	662.9	16.8
SMDH 00125	813895.33	8194465.46	173.45	9.0	10.0	75.0	6156.0	3.2	18.4	1663.4	59.2	664.3	98.6	284.0	180.8	293.9	318.3	2.8	13.9	1.3	582.7	619.7	565.5	17.2
SMDH 00125	813895.33	8194465.46	173.45	10.0	11.0	98.0	5610.5	2.9	13.6	1965.0	29.8	903.4	82.2	236.8	150.7	245.1	265.4	2.5	9.6	1.1	580.8	598.2	572.1	8.8
SMDH 00125	813895.33	8194465.46	173.45	11.0	12.0	95.0	5185.8	2.5	14.2	1574.7	81.1	668.9	86.2	248.4	158.1	257.0	278.3	2.2	10.4	1.3	577.9	629.5	554.2	23.7
SMDH 00125	813895.33	8194465.46	173.45	12.0	13.0	80.0	6584.9	3.5	21.3	1447.1	80.4	702.1	110.8	319.1	203.1	330.3	357.6	3.1	16.4	1.5	533.0	585.1	510.3	22.7
SMDH 00125	813895.33	8194465.46	173.45	13.0	14.0	70.0	4840.9	2.6	15.1	1081.9	23.4	689.3	90.6	260.8	166.0	269.9	292.3	2.3	11.1	1.3	321.6	335.1	314.5	7.1
SMDH 00126	813778.05	8194459.24	170.94	0.0	1.0	40.0	5671.5	2.6	18.8	1218.1	60.1	1135.3	78.4	225.9	143.8	233.8	253.2	2.3	14.9	1.3	676.9	713.8	659.2	17.7
SMDH 00126	813778.05	8194459.24	170.94	1.0	2.0	40.0	27322.5	9.3	32.2	828.0	42.4	57610.0	136.5	393.2	250.3	406.9	440.6	3.3	22.0	0.9	437.3	462.1	425.6	11.7
SMDH 00126	813778.05	8194459.24	170.94	2.0	3.0	75.0	5912.3	2.8	20.0	1165.6	66.9	1130.4	93.0	267.9	170.6	277.3	300.3	2.4	15.7	1.4	637.7	679.6	619.0	18.7
SMDH 00126	813778.05	8194459.24	170.94	3.0	4.0	60.0	6610.3	3.8	17.6	2013.4	58.9	589.6	74.2	213.6	136.0	221.1	239.4	3.5	12.5	1.2	546.6	583.4	529.9	16.7
SMDH 00126	813778.05	8194459.24	170.94	4.0	5.0	80.0	5814.0	3.1	17.4	1507.8	50.4	603.0	80.7	232.4	147.9	240.5	260.5	2.8	12.9	1.3	550.2	580.5	535.4	14.8
SMDH 00126	813778.05	8194459.24	170.94	5.0	6.0	85.0	6000.3	3.0	19.4	1400.1	60.0	654.2	93.8	270.1	171.9	279.5	302.7	2.7	14.9	1.5	633.3	670.6	616.3	17.0
SMDH 00126	813778.05	8194459.24	170.94	6.0	7.0	90.0	5761.9	2.8	18.2	1430.0	66.1	653.6	83.7	241.1	153.5	249.5	270.2	2.5	13.9	1.5	660.4	700.5	640.3	20.0
SMDH 00126	813778.05	8194459.24	170.94	7.0	8.0	95.0	5548.9	2.7	18.2	1266.3	66.2	606.0	83.8	241.2	153.5	249.6	270.3	2.4	14.1	1.4	599.9	640.2	579.3	20.6
SMDH 00126	813778.05	8194459.24	170.94	8.0	9.0	98.0	5597.9	2.8	18.0	1325.2	62.8	529.7	83.5	240.6	153.1	249.0	269.6	2.5	13.7	1.4	570.4	609.6	552.2	18.3
SMDH 00126	813778.05	8194459.24	170.94	9.0	10.0	85.0	5728.0	2.8	19.1	1321.4	68.3	520.9	76.8	221.1	140.7	228.8	247.7	2.5	15.0	1.3	631.2	674.0	610.9	20.2
SMDH 00126	813778.05	8194459.24	170.94	10.0	11.0	90.0	6338.6	3.5	18.1	1802.7	59.5	489.1	91.2	262.7	167.2	271.8	294.4	3.2	13.3	1.3	548.2	585.7	531.5	16.7
SMDH 00126	813778.05	8194459.24	170.94	11.0	12.0	90.0	5504.0	2.7	17.9	1153.7	57.4	939.2	108.4	312.1	198.7	323.0	349.7	2.4	13.9	1.3	551.1	586.3	534.2	16.8
SMDH 00126	813778.05	8194459.24	170.94	12.0	13.0	95.0	5259.0	2.5	16.4	1331.2	67.0	668.6	93.0	267.9	170.5	277.2	300.2	2.2	12.6	1.3	663.8	704.3	643.5	20.3
SMDH 00126	813778.05	8194459.24	170.94	13.0	14.0	95.0	5940.2	2.8	18.5	1543.6	82.5	742.6	106.1	305.6	194.5	316.3	342.5	2.4	14.4	1.3	840.2	890.8	815.8	24.4
SMDH 00126	813778.05	8194459.24	170.94	14.0	15.0	95.0	7041.7	3.5	22.4	1685.7	83.2	834.5	132.7	382.3	243.4	395.7	428.4	3.1	17.7	1.2	786.6	837.6	761.7	24.9
SMDH 00126	813778.05	8194459.24	170.94	15.0	16.0	85.0	6157.6	3.0	18.8	1579.9	84.0	841.2	106.3	306.2	194.9	316.9	343.2	2.6	14.5	1.3	758.1	810.6	733.9	24.2
SMDH 00126	813778.05	8194459.24	170.94	16.0	17.0	90.0	6567.9	3.4	19.7	1629.7	69.2	1161.3	123.5	355.6	226.4	368.0	398.5	2.9	15.1	1.2	730.2	772.2	709.4	20.8
SMDH 00126	813778.05	8194459.24	170.94	17.0	18.0	95.0	6075.0	3.0	18.8	1500.8	55.7	812.6	108.8	313.4	199.5	324.3	351.2	2.7	14.4	1.4	693.6	726.2	676.4	17.2
SMDH 00126	813778.05	8194459.24	170.94	18.0	19.0	98.0	5153.2	2.7	15.7	1264.2	40.0	727.0	92.4	266.0	169.3	275.3	298.1	2.4	11.9	1.2	524.0	547.1	511.2	12.8
SMDH 00126	813778.05	8194459.24	170.94	19.0	20.0	85.0	4986.3	2.8	15.5	1137.6	39.1	582.3	76.1	219.3	139.6	226.9	245.8	2.5	11.6	1.2	392.5	416.1	380.5	11.9
SMDH 00126	813778.05	8194459.24	170.94	20.0	21.0	90.0	6089.2	3.1	18.7	1609.4	76.3	522.8	81.8	235.7	150.0	243.9	264.2	2.8	14.5	1.1	740.2	787.9	718.4	21.9
SMDH 00126	813778.05	8194459.24	170.94	21.0	22.0	95.0	5900.0	3.2	18.5	1430.4	60.4	576.4	86.6	249.6	158.9	258.3	279.7	2.9	14.3	1.1	613.2	650.4	595.8	17.4
SMDH 00126	813778.05	8194459.24	170.94	22.0	23.0	80.0	5365.4	2.7	16.1	1430.6	61.7	605.6	81.0	233.4	148.6	241.6	261.6	2.4	12.2	1.1	662.5	700.8	644.8	17.6
SMDH 00126	813778.05	8194459.24	170.94	23.0	24.0	90.0	5051.2	2.6	14.3	1435.7	47.7	773.7	82.0	236.3	150.4	244.6	264.8	2.2	10.7	1.1	644.1	673.1	630.6	13.5
SMDH 00126	813778.05	8194459.24	170.94	24.0	25.0	75.0	4662.7	2.8	12.9	1190.2	15.6	742.5	74.4	214.4	136.5	221.9	240.3	2.5	9.1	0.9	198.7	207.8	194.3	4.4
SMDH 00126	813778.05	8194459.24	170.94	25.0	25.5	90.0	9651.3	6.2	29.4	1795.3	39.9	1794.9	241.3	695.0	442.4	719.3	778.9	5.6	22.0	1.1	267.0	291.5	255.8	11.2
SMDH 00126	813778.05	8194459.24	170.94	25.5	26.0	90.0	9651.3	6.2	29.4	1795.3	39.9	1794.9	241.3	695.0	442.4	719.3	778.9	5.6	22.0	1.1	267.0	291.5	255.8	11.2
SMDH 00127	813655.04	8194458.96	168.41	0.0	1.0	10.0	6360.2	3.5	25.9	670.4	29.8	763.6	42.2	121.6	77.4	125.9	136.3	3.3	22.0	0.5	381.9	400.1	373.4	8.6
SMDH 00127	813655.04	8194458.96	168.41	1.0	2.0	30.0	4474.7	2.1	14.0	1151.3	69.0	435.3	62.6	180.3	114.8	186.6	202.0	1.9	10.6	1.2	565.6	610.4	547.0	18.6
SMDH 00127	813655.04	8194458.96	168.41	2.0	3.0	50.0	5045.2	2.7	14.9	1263.4	35.3	762.9	85.0	244.8	155.8	253.4	274.4	2.4	11.0	1.3	469.8	490.8	459.7	10.1
SMDH 00127	813655.04	8194458.96	168.41	3.0	4.0	50.0	4598.3	2.2	13.1	1371.4	59.2	520.3	71.4	205.8	131.0	212.9	230.6	1.9	9.6	1.3	645.8	682.3	628.3	17.5
SMDH 00127	813655.04	8194458.96	168.41	4.0	5.0	80.0	5047.0	2.6	13.6	1559.2	85.7	509.6	63.9	184.1	117.2	190.5	206.3	2.3	9.7	1.3	542.4	594.0	516.3	26.1
SMDH 00127	813655.04	8194458.96	168.41	5.0	6.0	90.0	6131.2	3.0	16.8	1840.7	207.3	696.5	58.8	169.3	107.8	175.2	189.7	2.7	12.6	1.2	787.2	908.5	719.2	68.0
SMDH 00127	813655.04	8194458.96	168.41	6.0	7.0	90.0	6612.0	3.1	17.4	2230.0	217.7	505.5	69.5	200.2	127.4	207.2	224.4	2.8	13.0	1.3	996.5	1134.9	934.0	62.4
SMDH 00127	813655.04	8194458.96	168.41	7.0	8.0	100.0	5434.5	2.6	15.6	1517.6	87.5	867.8	82.3	237.1	151.0	245.4	265.8	2.3	11.9	1.2	721.9	776.9	696.8	25.1
SMDH 00127	813655.04	8194458.96	168.41	8.0	9.0	100.0	5708.9	2.9	14.0	2038.7	49.2	637.2	83.1	239.2	152.3	247.6	268.1	2.5	9.8	1.2	723.5	753.6	709.7	13.8
SMDH 00127	813655.04	8194458.96	168.41	9.0	10.0	100.0	6055.5	3.0	14.7	2168.2	44.1	976.7	83.8	241.3	153.6	249.8	270.5	2.6	10.6	1.1	866.9	893.2	854.6	12.3
SMDH 00127	813655.04	8194458.96	168.41	10.0	11.0	80.0	5966.6	2.9	15.4	2010.1	49.6	894.6	88.6	255.3	162.5	264.2	286.1	2.5	11.3	1.2	863.3	893.2	849.4	13.9
SMDH 00127	813655.04	8194458.96	168.41	11.0	12.0	90.0	5201.1	2.6	14.1	1584.1	55.9	773.4	83.4	240.2	152.9	248.5	269.1	2.3	10.3	1.2	645.9	680.6	629.7	16.2
SMDH 00127	813655.04	8194458.96	168.41	12.0	13.0	80.0	5804.3	3.0	17.2	1494.9	68.1	856.3	95.5	275.1	175.1	284.8	308.3	2.6	13.0	1.2	618.7	661.2	599.1	19.5
SMDH 00127	813655.04	8194458.96	168.41	13.0	14.0	80.0	4827.4	2.5	13.3	1431.4	50.1	534.8	68.0	195.9	124.7	202.7	219.5	2.2	9.5	1.3	457.5	488.2	442.9	14.6
SMDH 00128	813531.94	8194463.48	166.19	0.0	1.0	10.0	2900.2	1.3	9.6	594.5	31.4	742.6	44.8	128.9	82.1	133.4	144.5	1.1	7.9	0.4	353.9	372.1	343.6	10.3
SMDH 00128	813531.94	8194463.48	166.19	1.0	2.0	30.0	4156.5	1.8	13.5	921.9	59.7	884.3	65.4	188.3	119.8	194.8	211.0	1.6	10.8	0.9	566.2	602.4	547.8	18.4
SMDH 00128	813531.94	8194463.48	166.19	2.0	3.0	30.0	7009.7	4.1	14.1	2953.3	34.3	555.2	70.1	201.9	128.5	209.0	226.3	3.6	8.9	1.0	523.1	542.8	512.8	10.3
SMDH 00128	813531.94	8194463.48	166.19	3.0	4.0	70.0	4652.1	2.5	13.4	1289.8	29.6	563.0	63.9	184.1	117.2	190.5	206.3	2.2	9.8	1.1	391.0	408.3	382.1	8.9
SMDH 00128	813531.94	8194463.48	166.19	4.0	5.0	70.0	6730.4	4.1	14.1	2688.2	22.2	457.4	71.4	205.6	130.9	212.8	230.5	3.7	9.0	1.0	346.0	358.7	339.1	6.9
SMDH 00128	813531.94	8194463.48	166.19	5.0	6.0	70.0	5247.0	2.8	14.6	1571.4	24.8	572.7	82.0	236.1	150.3	244.3	264.6	2.5	10.6	1.1	529.6	543.1	521.7	7.9
SMDH 00128	813531.94	8194463.48	166.19	6.0	7.0	70.0	4856.7	2.5	14.9	1177.8	41.6	686.0	79.2	228.2	145.2	236.1	255.7	2.2	11.2	1.1	466.9	492.0	454.7	12.2
SMDH 00128	813531.94	8194463.48	166.19	7.0	8.0	80.0	5701.9	3.0	17.4	1406.3	47.4	772.7	85.7	246.8	157.1	255.4	276.6	2.7	13.2	1.2	541.5	569.6	527.1	14.4
SMDH 00128	813531.94	8194463.48	166.19	8.0	9.0	90.0	5420.7	2.8	15.9	1490.4	66.5	607.4	87.9	253.2	161.1	262.0	283.7	2.5	11.9	1.1	535.2	575.4	514.9	20.3
SMDH 00128	813531.94	8194463.48	166.19	9.0	10.0	90.0	4932.1	2.5	14.7	1250.4	50.1	776.3	83.3	240.0	152.8	248.4	269.0	2.2	11.1	1.1	510.7	541.1	495.8	14.9
SMDH 00128	813531.94	8194463.48	166.19	10.0	11.0	100.0	5081.4	2.6	14.0	1555.9	29.0	629.6	81.0	233.2	148.5	241.4	261.4	2.3	10.2	1.1	585.3	601.7	576.7	8.6
SMDH 00128	813531.94	8194463.48	166.19	11.0	12.0	90.0	4232.1	2.2	12.5	1110.4	22.1	564.9	76.9	221.4	140.9	229.1	248.1	1.9	9.1	1.2	362.5	375.2	356.1	6.5
SMDH 00128	813531.94	8194463.48	166.19	12.0	13.0	100.0	5200.4	2.6	14.4	1576.9	36.4	679.4	87.4	251.6	160.2	260.4	282.0	2.3	10.6	1.1	598.5	619.7	587.7	10.8
SMDH 00128	813531.94	8194463.48	166.19	13.0	14.0	80.0	3915.7	2.0	11.4	1035.9	15.7	495.2	70.1	201.9	128.5	208.9	226.2	1.8	8.1	1.3	303.8	312.5	299.4	4.3
SMDH 00129	813421.15	8194464.30	164.34	0.0	1.0	10.0	2434.8	1.2	8.4	371.2	29.5	599.8	65.5	188.7	120.1	195.3	211.5	1.0	6.6	0.6	180.6	199.5	172.5	8.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00129	813421.15	8194464.30	164.34	1.0	2.0	20.0	4507.4	2.4	17.1	435.3	58.3	833.4	100.6	289.8	184.5	299.9	324.8	2.1	13.5	1.2	178.5	215.7	161.5	17.0
SMDH 00129	813421.15	8194464.30	164.34	2.0	3.0	40.0	5285.6	2.8	17.7	809.6	97.0	1178.0	118.8	342.2	217.8	354.2	383.5	2.5	13.7	1.1	291.4	353.8	263.2	28.2
SMDH 00129	813421.15	8194464.30	164.34	3.0	4.0	50.0	3117.7	1.8	7.6	1016.7	22.4	301.3	28.6	82.5	52.5	85.4	92.5	1.6	4.9	1.0	74.0	87.7	67.3	6.8
SMDH 00129	813421.15	8194464.30	164.34	4.0	5.0	70.0	6005.8	3.7	11.0	2510.5	36.8	587.3	52.8	152.0	96.7	157.3	170.3	3.4	6.2	1.1	123.0	146.7	112.9	10.2
SMDH 00129	813421.15	8194464.30	164.34	5.0	6.0	70.0	5529.8	3.1	11.9	2113.3	41.4	666.3	73.9	212.9	135.5	220.3	238.6	2.8	7.7	1.0	361.3	386.2	349.0	12.3
SMDH 00129	813421.15	8194464.30	164.34	6.0	7.0	80.0	4562.4	2.5	12.6	1270.1	26.1	673.4	71.8	206.9	131.7	214.2	231.9	2.2	9.0	1.1	268.0	283.6	260.1	7.9
SMDH 00129	813421.15	8194464.30	164.34	7.0	8.0	90.0	3822.8	2.0	9.5	1284.2	33.3	504.4	59.6	171.5	109.2	177.5	192.2	1.7	6.6	0.9	347.5	367.6	337.4	10.1
SMDH 00129	813421.15	8194464.30	164.34	8.0	9.0	100.0	5448.5	2.8	14.4	1692.6	43.9	765.5	80.8	232.6	148.1	240.7	260.7	2.5	10.3	1.3	508.7	535.3	495.9	12.7
SMDH 00129	813421.15	8194464.30	164.34	9.0	10.0	100.0	3475.8	2.2	11.1	748.9	2.3	21.7	70.2	202.1	128.6	209.1	226.5	2.0	7.8	1.1	7.8	8.1	5.9	1.9
SMDH 00130	813304.82	8194470.49	162.28	0.0	1.0	10.0	5984.8	3.7	14.7	1955.3	78.0	208.7	65.0	187.2	119.2	193.7	209.8	3.4	9.6	1.4	215.6	268.0	193.9	21.7
SMDH 00130	813304.82	8194470.49	162.28	1.0	2.0	10.0	3969.7	1.9	9.6	1415.9	53.5	708.5	47.3	136.3	86.8	141.1	152.8	1.6	6.9	0.9	612.7	645.5	597.4	15.2
SMDH 00130	813304.82	8194470.49	162.28	2.0	3.0	40.0	4271.8	2.2	12.7	1042.0	27.1	795.2	74.6	214.9	136.8	222.4	240.8	1.9	9.4	1.1	436.0	451.3	427.9	8.1
SMDH 00130	813304.82	8194470.49	162.28	3.0	4.0	60.0	3470.2	1.7	8.7	1125.7	46.2	695.8	46.6	134.4	85.5	139.0	150.6	1.4	6.3	0.8	449.5	478.0	436.3	13.2
SMDH 00130	813304.82	8194470.49	162.28	4.0	5.0	100.0	4476.4	2.2	15.3	809.0	36.8	798.2	82.6	237.9	151.4	246.2	266.6	2.0	11.9	1.2	421.4	443.3	410.5	11.0
SMDH 00130	813304.82	8194470.49	162.28	5.0	6.0	90.0	3895.8	2.4	10.7	993.6	5.9	520.3	60.8	175.2	111.5	181.3	196.3	2.2	7.3	0.9	37.9	40.8	36.0	1.9
SMDH 00130	813304.82	8194470.49	162.28	6.0	7.0	90.0	3448.6	1.9	10.5	816.7	13.3	452.6	62.1	178.9	113.9	185.1	200.4	1.7	7.7	0.9	270.6	277.4	266.3	4.2
SMDH 00130	813304.82	8194470.49	162.28	7.0	8.0	100.0	5575.0	3.1	16.9	1266.2	19.1	856.4	103.7	298.7	190.2	309.2	334.8	2.8	12.5	1.3	436.3	446.5	430.6	5.7
SMDH 00130	813304.82	8194470.49	162.28	8.0	9.0	90.0	4607.0	2.7	14.1	989.2	9.9	665.2	84.8	244.4	155.5	252.9	273.8	2.4	10.3	1.1	217.3	222.2	214.4	2.8
SMDH 00130	813304.82	8194470.49	162.28	9.0	10.0	70.0	5792.6	3.2	17.5	1337.8	46.6	863.8	93.8	270.2	172.0	279.6	302.8	2.9	12.9	1.4	443.6	471.6	429.8	13.8
SMDH 00130	813304.82	8194470.49	162.28	10.0	11.0	60.0	4749.6	2.5	15.3	985.4	29.6	755.1	82.2	236.8	150.7	245.1	265.4	2.2	11.6	1.2	430.0	446.2	420.5	9.5
SMDH 00131	813192.45	8194453.79	160.17	0.0	1.0	10.0	2378.5	1.2	7.1	539.9	25.4	650.8	37.4	107.8	68.6	111.5	120.8	1.0	5.5	0.5	229.2	244.8	222.1	7.1
SMDH 00131	813192.45	8194453.79	160.17	1.0	2.0	20.0	4174.4	2.1	12.6	936.3	38.5	1021.5	64.8	186.7	118.9	193.2	209.3	1.8	9.5	1.1	414.1	437.0	402.6	11.5
SMDH 00131	813192.45	8194453.79	160.17	2.0	3.0	30.0	6824.7	4.4	14.4	2583.3	25.7	469.0	60.4	174.0	110.7	180.0	194.9	4.0	8.9	1.1	324.4	338.8	316.6	7.8
SMDH 00131	813192.45	8194453.79	160.17	3.0	4.0	50.0	5681.2	3.5	15.3	1568.2	26.2	624.3	70.9	204.3	130.0	211.4	228.9	3.2	10.5	1.2	317.2	332.3	309.9	7.2
SMDH 00131	813192.45	8194453.79	160.17	4.0	5.0	80.0	6534.3	4.4	14.9	2181.7	27.8	560.4	65.4	188.3	119.9	194.9	211.0	4.0	9.4	1.1	390.8	405.8	382.2	8.6
SMDH 00131	813192.45	8194453.79	160.17	5.0	6.0	100.0	5613.3	3.3	16.8	1342.2	36.5	508.1	83.1	239.4	152.4	247.7	268.3	3.1	12.2	1.2	369.2	390.0	357.7	11.5
SMDH 00131	813192.45	8194453.79	160.17	6.0	7.0	90.0	6248.1	3.9	17.2	1710.0	31.6	498.2	79.2	228.2	145.3	236.2	255.8	3.6	12.1	1.2	351.9	370.1	342.2	9.8
SMDH 00131	813192.45	8194453.79	160.17	7.0	8.0	80.0	5328.0	3.0	18.5	906.2	26.9	597.4	87.8	253.0	161.0	261.8	283.5	2.7	14.2	1.4	355.8	371.3	347.5	8.3
SMDH 00131	813192.45	8194453.79	160.17	8.0	9.0	90.0	4641.7	2.4	12.4	1510.7	21.1	317.7	59.8	172.4	109.7	178.4	193.2	2.2	8.6	1.4	494.6	505.8	488.3	6.3
SMDH 00131	813192.45	8194453.79	160.17	9.0	10.0	100.0	4875.5	2.5	13.6	1476.5	23.4	365.4	72.0	207.3	132.0	214.5	232.3	2.3	9.5	1.5	522.4	535.2	515.6	6.8
SMDH 00131	813192.45	8194453.79	160.17	10.0	11.0	100.0	4010.5	2.1	10.0	1427.8	19.3	246.0	47.9	137.9	87.8	142.7	154.5	1.8	6.6	1.4	443.7	454.1	438.0	5.6
SMDH 00132	813056.96	8194452.44	159.02	0.0	1.0	10.0	3758.5	1.9	9.5	1195.7	47.5	803.6	45.7	131.6	83.8	136.2	147.5	1.6	6.9	0.7	418.9	448.4	405.5	13.3
SMDH 00132	813056.96	8194452.44	159.02	1.0	2.0	10.0	6327.4	3.9	14.5	2287.5	16.8	551.5	60.7	174.8	111.3	180.9	195.9	3.5	9.6	1.0	276.1	285.8	271.7	4.4
SMDH 00132	813056.96	8194452.44	159.02	2.0	3.0	15.0	6142.1	4.5	13.2	2084.5	13.4	400.6	51.9	149.4	95.1	154.6	167.5	4.1	7.8	1.0	149.4	156.3	145.6	3.8
SMDH 00132	813056.96	8194452.44	159.02	3.0	4.0	40.0	5598.6	3.9	13.0	1762.0	16.6	538.1	63.7	183.4	116.7	189.8	205.5	3.6	8.2	0.9	215.0	224.3	210.8	4.2
SMDH 00132	813056.96	8194452.44	159.02	4.0	5.0	50.0	6502.8	4.9	14.0	2156.5	28.5	330.1	52.5	151.3	96.3	156.5	169.5	4.6	8.3	0.9	164.0	180.5	156.4	7.6
SMDH 00132	813056.96	8194452.44	159.02	5.0	6.0	70.0	5770.9	3.4	18.5	1202.5	58.1	447.5	83.7	241.1	153.5	249.5	270.2	3.2	13.8	1.3	306.3	343.0	289.9	16.3
SMDH 00132	813056.96	8194452.44	159.02	6.0	7.0	70.0	5743.6	3.4	17.5	1367.1	55.3	502.2	79.4	228.6	145.5	236.6	256.2	3.1	13.0	1.2	368.9	403.6	353.3	15.6
SMDH 00132	813056.96	8194452.44	159.02	7.0	8.0	80.0	4813.6	2.6	16.2	905.7	42.3	535.8	76.9	221.5	141.0	229.2	248.2	2.4	12.3	1.3	307.1	333.6	295.5	11.7
SMDH 00132	813056.96	8194452.44	159.02	8.0	9.0	90.0	5736.5	3.5	17.2	1334.7	56.9	434.9	75.7	217.9	138.7	225.5	244.2	3.2	12.4	1.3	291.7	327.5	275.7	16.0
SMDH 00132	813056.96	8194452.44	159.02	9.0	10.0	90.0	5109.9	2.6	16.3	1066.7	66.5	846.0	76.0	218.8	139.3	226.5	245.2	2.4	12.4	1.3	427.9	469.0	408.4	19.4
SMDH 00132	813056.96	8194452.44	159.02	10.0	11.0	100.0	4813.4	2.6	15.8	982.4	73.8	461.2	76.6	220.6	140.5	228.4	247.3	2.3	11.9	1.4	351.0	396.2	328.7	22.3
SMDH 00132	813056.96	8194452.44	159.02	11.0	12.0	100.0	9323.8	5.1	29.7	1995.7	133.0	911.9	151.8	437.2	278.3	452.4	489.9	4.6	22.0	2.6	734.1	816.2	694.4	39.7
SMDH 00132	813056.96	8194452.44	159.02	12.0	13.0	100.0	4710.7	2.6	15.1	982.4	46.3	522.4	68.4	196.9	125.4	203.8	220.7	2.4	11.2	1.4	254.2	283.3	241.1	13.1
SMDH 00133	812937.37	8194467.44	158.70	0.0	1.0	10.0	1618.4	0.8	5.4	320.3	15.2	258.0	26.7	77.0	49.0	79.6	86.2	0.7	4.2	0.4	132.3	140.8	127.2	5.1
SMDH 00133	812937.37	8194467.44	158.70	1.0	2.0	10.0	2749.6	1.5	8.8	605.7	21.7	292.7	37.1	106.9	68.0	110.6	119.8	1.4	6.8	0.5	147.0	160.7	141.1	5.9
SMDH 00133	812937.37	8194467.44	158.70	2.0	3.0	15.0	7882.1	5.8	15.5	3068.0	25.2	169.4	44.1	127.1	80.9	131.6	142.5	5.4	9.0	0.8	226.5	241.1	218.9	7.5
SMDH 00133	812937.37	8194467.44	158.70	3.0	4.0	30.0	7453.5	4.2	14.6	3327.3	64.0	150.1	151.3	435.6	277.3	450.8	488.2	3.6	9.3	1.1	1342.1	1376.5	1323.6	18.4
SMDH 00133	812937.37	8194467.44	158.70	4.0	5.0	50.0	3737.4	2.0	9.5	1293.9	25.8	116.4	98.1	282.6	179.9	292.5	316.7	1.8	6.5	0.9	539.0	552.2	530.9	8.1
SMDH 00133	812937.37	8194467.44	158.70	5.0	6.0	70.0	6065.6	4.5	18.5	1226.7	23.7	139.6	53.1	153.0	97.4	158.4	171.5	4.3	13.1	0.9	143.7	157.9	136.9	6.8
SMDH 00133	812937.37	8194467.44	158.70	6.0	7.0	70.0	7278.5	5.4	24.0	1196.5	20.0	205.7	46.1	132.7	84.5	137.3	148.7	5.2	17.4	1.2	126.4	138.1	120.4	5.9
SMDH 00133	812937.37	8194467.44	158.70	7.0	8.0	70.0	6045.4	4.5	19.4	1060.6	29.0	131.4	55.9	161.1	102.6	166.8	180.6	4.3	14.0	0.9	111.2	129.6	103.4	7.9
SMDH 00133	812937.37	8194467.44	158.70	8.0	9.0	80.0	4877.8	2.9	13.9	1381.6	37.3	160.4	85.8	247.0	157.2	255.6	276.8	2.6	9.9	1.1	507.8	529.7	497.2	10.6
SMDH 00133	812937.37	8194467.44	158.70	9.0	10.0	100.0	6098.6	3.8	15.7	1946.9	36.0	171.5	77.7	223.9	142.5	231.7	250.9	3.5	10.8	1.1	514.8	535.7	504.4	10.4
SMDH 00133	812937.37	8194467.44	158.70	10.0	11.0	90.0	5649.4	3.5	16.3	1533.3	31.7	173.8	70.0	201.6	128.3	208.6	225.9	3.3	11.7	1.1	373.9	392.7	364.8	9.1
SMDH 00133	812937.37	8194467.44	158.70	11.0	12.0	90.0	5791.3	3.8	19.4	1096.2	19.3	100.4	52.8	152.2	96.9	157.5	170.6	3.6	14.5	1.0	67.5	79.6	62.3	5.2
SMDH 00133	812937.37	8194467.44	158.70	12.0	13.0	100.0	6020.2	4.1	18.2	1410.5	24.0	86.8	50.3	145.0	92.3	150.1	162.5	3.9	13.1	1.1	68.0	82.9	61.3	6.8
SMDH 00133	812937.37	8194467.44	158.70	13.0	14.0	100.0	6174.4	4.0	19.1	1418.0	37.5	159.3	55.3	159.4	101.4	164.9	178.6	3.8	13.8	1.3	170.5	194.6	160.0	10.5
SMDH 00133	812937.37	8194467.44	158.70	14.0	15.0	80.0	7443.5	5.2	21.2	1926.2	27.2	103.2	57.0	164.1	104.5	169.9	183.9	4.9	14.9	1.1	95.2	112.0	87.5	7.7
SMDH 00133	812937.37	8194467.44	158.70	15.0	16.0	90.0	5893.4	4.0	17.6	1435.4	25.3	178.8	45.4	130.7	83.2	135.2	146.5	3.8	12.8	0.8	85.5	101.7	78.6	6.9
SMDH 00133	812937.37	8194467.44	158.70	16.0	17.0	70.0	2569.2	1.2	7.9	577.3	40.9	437.9	45.9	132.3	84.2	136.9	148.2	1.1	5.6	1.0	242.2	267.7	230.2	12.0
SMDH 00134	812823.37	8194467.02	158.80	0.0	1.0	40.0	4117.2	1.8	11.4	1038.1	83.6	1434.4	89.5	257.8	164.1	266.8	288.9	1.4	8.8	0.8	587.1	640.0	563.0	24.1
SMDH 00134	812823.37	8194467.02	158.80	1.0	2.0	80.0	4346.7	2.2	14.2	864.1	68.1	657.6	103.7	298.8	190.2	309.2	334.8	1.9	10.9	1.2	413.5	456.1	393.3	20.2
SMDH 00134	812823.37	8194467.02	158.80	2.0	3.0	30.0	6392.2	4.0	13.6	2489.5	32.7	332.7	67.8	195.4	124.4	202.2	219.0	3.6	8.6	1.0	255.5	275.9	246.3	9.2
SMDH 00134	812823.37	8194467.02	158.80	3.0	4.0	40.0	5505.6	3.5	12.1	2015.0	28.8	425.6	48.1	138.7	88.3	143.5	155.4	3.2	7.6	1.0	181.1	199.1	172.9	8.1
SMDH 00134	812823.37	8194467.02	158.80	4.0	5.0	90.0	4582.7	3.0	10.3	1566.0	32.2	451.3	44.7	128.9	82.0	133.4	144.4	2.7	6.5	0.9	205.4	225.7	196.5	8.9
SMDH 00134	812823.37	8194467.02	158.80	5.0	6.0	95.0	4576.8	2.5	14.2	1039.8	43.0	548.1	79.8	229.8	146.2	237.8	257.5	2.3	10.6	1.1	306.6	334.0	294.9	11.7
SMDH 00134	812823.37	8194467.02	158.80	6.0	7.0	98.0	4889.9	2.8	14.9	1131.1	35.2	482.2	77.2	222.4	141.6	230.2	249.3	2.6	10.7	1.3	227.8	250.1	217.9	9.9
SMDH 00135	812702.91	8194469.20	158.63	0.0	1.0	45.0	4589.2	2.4	16.6	662.2	54.5	579.8	119.3	343.5	218.6	355.5	384.9	2.1	12.9	1.2	299.8	334.0	283.7	16.1
SMDH 00135	812702.91	8194469.20	158.63	1.0	2.0	50.0	4249.8	2.3	14.6	700.1	52.0	606.4	94.8	273.1	173.8	282.6	306.0	2.0	11.3	1.1	265.7	299.7	252.0	13.6
SMDH 00135	812702.91	8194469.20	158.63	2.0	3.0	50.0	4186.3	2.3	15.0	615.0	42.0	445.2	84.6	243.8	155.2	252.3	273.2	2.1	11.6	1.1	211.9	238.4	200.0	11.9
SMDH 00135	812702.91	8194469.20	158.63	3.0	4.0	80.0	6081.1	3.6	14.2	2060.3	39.1	721.5	74.2	213.6	136.0	221.1	239.4	3.3	9.4	1.2	295.1	319.2	283.7	11.4
SMDH 00135	812702.91	8194469.20	158.63	4.0	5.0	70.0	6733.6	4.1	17.5	2071.4	43.9	572.3	80.2	231.0	147.0	239.1	258.9	3.7	12.2	1.1	362.6	389.0	349.1	13.6
SMDH 00135	812702.91	8194469.20	158.63	5.0	6.0	85.0	6441.8	3.9	19.7	1453.6	48.4	519.2	96.5	278.0	177.0	287.7	311.6	3.6	14.2	1.5	292.2	322.2	278.0	14.3
SMDH 00135	812702.91	8194469.20	158.63	6.0	7.0	80.0	5650.3	3.4	16.1	1430.3	32.7	663.4	86.3	248.5	158.2	257.2	278.5	3.1	11.5	1.2	338.0	356.8	327.6	10.4
SMDH 00135	812702.91	8194469.20	158.63	7.0	8.0	90.0	4635.6	2.6	14.4	984.1	23.3	645.5	72.9	209.9	133.6	217.3	235.3	2.4	10.4	1.3	242.3	255.7	235.2	7.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00135	812702.91	8194469.20	158.63	8.0	9.0	90.0	5554.8	3.3	15.7	1457.5	37.5	595.9	83.7	241.0	153.4	249.5	270.1	3.0	11.2	1.2	333.3	355.4	321.7	11.6
SMDH 00135	812702.91	8194469.20	158.63	9.0	10.0	90.0																		
SMDH 00135	812702.91	8194469.20	158.63	10.0	11.0	95.0	4220.5	2.3	13.7	853.6	40.7	542.3	72.6	209.2	133.2	216.5	234.4	2.1	10.3	1.0	296.7	322.8	285.8	10.9
SMDH 00135	812702.91	8194469.20	158.63	11.0	12.0	95.0	4722.7	2.5	15.0	986.3	66.6	792.8	76.6	220.7	140.5	228.4	247.3	2.2	11.4	1.1	429.7	470.8	410.0	19.7
SMDH 00135	812702.91	8194469.20	158.63	12.0	13.0	85.0	4658.8	2.5	15.1	951.7	31.5	576.1	85.3	245.8	156.4	254.3	275.4	2.3	11.2	1.3	355.7	374.8	347.1	8.7
SMDH 00136	812578.81	8194465.47	158.58	0.0	1.0	30.0	2392.1	1.1	7.3	547.9	34.4	560.5	49.9	143.7	91.5	148.8	161.1	1.0	5.6	0.5	260.7	282.4	250.9	9.8
SMDH 00136	812578.81	8194465.47	158.58	1.0	2.0	60.0	3051.8	1.6	9.6	656.2	34.5	433.4	60.2	173.2	110.3	179.3	194.2	1.4	7.2	0.8	195.9	217.8	186.2	9.7
SMDH 00136	812578.81	8194465.47	158.58	2.0	3.0	52.0	3456.6	1.9	10.6	778.1	43.3	494.4	65.7	189.1	120.4	195.7	212.0	1.7	7.9	0.9	232.7	260.6	220.8	11.9
SMDH 00136	812578.81	8194465.47	158.58	3.0	4.0	60.0	4387.9	2.2	14.8	787.7	55.1	682.6	102.1	294.2	187.3	304.4	329.7	2.0	11.3	1.2	373.1	408.3	357.6	15.5
SMDH 00136	812578.81	8194465.47	158.58	4.0	5.0	50.0	4759.6	2.3	14.7	931.5	66.5	1434.6	99.3	286.0	182.0	295.9	320.5	1.9	11.2	1.2	469.1	510.6	449.5	19.6
SMDH 00136	812578.81	8194465.47	158.58	5.0	6.0	50.0	5007.9	2.3	15.5	1010.3	64.7	1542.7	96.7	278.4	177.2	288.1	312.0	2.0	12.0	1.2	547.0	587.1	527.9	19.1
SMDH 00136	812578.81	8194465.47	158.58	6.0	7.0	70.0	5159.2	2.1	12.8	1445.9	81.1	2368.1	88.9	256.0	163.0	264.9	286.9	1.6	9.7	0.9	833.9	884.7	811.1	22.8
SMDH 00136	812578.81	8194465.47	158.58	7.0	8.0	75.0	6259.8	2.5	14.5	2069.2	101.2	2574.1	96.6	278.3	177.2	288.1	311.9	1.9	11.1	0.9	1180.9	1243.8	1151.9	29.0
SMDH 00136	812578.81	8194465.47	158.58	8.0	9.0	75.0	6887.0	3.1	16.8	2659.2	95.2	916.3	83.4	240.2	152.9	248.5	269.1	2.6	12.8	1.0	1303.6	1362.6	1276.6	27.0
SMDH 00136	812578.81	8194465.47	158.58	9.0	10.0	70.0	5655.9	3.2	17.4	1359.5	32.3	493.4	81.9	235.8	150.1	244.0	264.2	3.0	12.9	1.2	397.7	417.3	388.4	9.3
SMDH 00136	812578.81	8194465.47	158.58	10.0	11.0	98.0	4575.5	2.6	14.1	1052.4	31.1	451.3	68.4	196.9	125.3	203.8	220.6	2.4	10.3	1.3	310.2	329.2	301.4	8.8
SMDH 00136	812578.81	8194465.47	158.58	11.0	12.0	90.0	4643.4	2.8	14.1	1060.8	21.2	421.1	67.4	194.0	123.5	200.8	217.4	2.5	10.1	1.2	230.5	243.2	224.6	5.8
SMDH 00136	812578.81	8194465.47	158.58	12.0	13.0	70.0	5558.2	3.4	25.5	228.7	3.4	126.6	3.3	9.4	6.0	9.7	10.5	3.4	22.0	0.1	29.5	30.5	27.7	1.9
SMDH 00136	812578.81	8194465.47	158.58	13.0	14.0	98.0	5158.9	2.9	17.3	951.8	25.8	615.4	89.6	258.2	164.3	267.2	289.3	2.6	13.1	1.3	330.6	345.8	323.3	7.3
SMDH 00136	812578.81	8194465.47	158.58	14.0	15.0	98.0	5585.4	3.0	19.1	1035.0	49.9	576.5	99.7	287.1	182.8	297.2	321.8	2.7	14.6	1.4	432.6	462.7	417.8	14.8
SMDH 00136	812578.81	8194465.47	158.58	15.0	16.0	98.0	5282.8	2.9	18.1	974.5	41.9	430.9	94.5	272.2	173.3	281.8	305.1	2.6	13.7	1.5	353.9	379.9	342.1	11.9
SMDH 00136	812578.81	8194465.47	158.58	16.0	16.5	85.0	5315.6	2.9	18.5	906.1	51.9	572.3	91.9	264.8	168.6	274.0	296.8	2.6	14.2	1.4	366.1	398.8	351.4	14.7
SMDH 00136	812578.81	8194465.47	158.58	16.5	17.0	85.0	5315.6	2.9	18.5	906.1	51.9	572.3	91.9	264.8	168.6	274.0	296.8	2.6	14.2	1.4	366.1	398.8	351.4	14.7
SMDH 00137	814552.35	8194583.05	168.50	0.0	1.0	15.0	4507.4	2.3	16.5	646.4	48.5	753.5	134.9	388.5	247.3	402.1	435.4	1.9	13.6	0.7	360.1	391.3	346.5	13.6
SMDH 00137	814552.35	8194583.05	168.50	1.0	2.0	30.0	6257.4	3.2	25.5	590.5	42.9	647.6	147.2	424.1	270.0	438.9	475.3	2.9	20.9	1.4	320.3	347.7	308.4	11.8
SMDH 00137	814552.35	8194583.05	168.50	2.0	3.0	50.0	7565.9	3.9	27.3	1191.5	67.5	1131.1	155.2	446.9	284.4	462.5	500.8	3.5	22.0	1.4	705.1	746.7	685.1	20.0
SMDH 00137	814552.35	8194583.05	168.50	3.0	4.0	60.0	6111.6	3.5	19.4	1339.0	43.9	630.0	84.3	242.8	154.6	251.3	272.1	3.2	14.7	1.3	323.6	351.9	312.0	11.6
SMDH 00137	814552.35	8194583.05	168.50	4.0	5.0	90.0	6482.9	3.8	21.1	1332.0	51.5	514.0	92.5	266.3	169.5	275.6	298.4	3.5	16.0	1.4	263.5	297.1	249.7	13.8
SMDH 00137	814552.35	8194583.05	168.50	5.0	6.0	90.0	6456.9	3.8	20.5	1370.4	59.0	664.3	86.6	249.4	158.7	258.1	279.5	3.5	15.4	1.4	266.4	305.1	250.7	15.7
SMDH 00137	814552.35	8194583.05	168.50	6.0	7.0	75.0	6464.9	3.7	20.4	1457.0	45.1	520.4	93.5	269.4	171.5	278.8	301.9	3.4	15.3	1.4	328.6	357.0	316.0	12.6
SMDH 00137	814552.35	8194583.05	168.50	7.0	8.0	98.0	5823.7	3.4	18.0	1309.6	57.3	612.4	80.8	232.8	148.2	241.0	260.9	3.1	13.4	1.3	282.3	319.5	266.8	15.5
SMDH 00137	814552.35	8194583.05	168.50	8.0	9.0	98.0	6423.4	3.7	20.5	1378.3	45.3	591.8	100.2	288.6	183.7	298.6	323.4	3.4	15.3	1.4	282.4	311.3	269.9	12.5
SMDH 00137	814552.35	8194583.05	168.50	9.0	10.0	95.0	5969.1	3.5	18.6	1347.6	37.2	602.3	87.0	250.5	159.5	259.2	280.7	3.2	13.9	1.3	302.9	326.5	292.9	10.0
SMDH 00137	814552.35	8194583.05	168.50	10.0	11.0	95.0	6541.7	3.8	20.4	1487.4	63.9	660.9	86.2	248.3	158.0	256.9	278.2	3.5	15.3	1.2	360.2	399.8	341.6	18.6
SMDH 00137	814552.35	8194583.05	168.50	11.0	12.0	95.0	5705.5	3.3	18.1	1237.0	54.5	506.1	80.4	231.6	147.5	239.7	259.6	3.1	13.6	1.2	265.5	301.2	251.1	14.3
SMDH 00137	814552.35	8194583.05	168.50	12.0	12.5	85.0	6242.1	3.7	19.5	1414.1	44.2	555.7	90.7	261.2	166.3	270.3	292.7	3.4	14.5	1.3	338.3	366.2	326.1	12.1
SMDH 00137	814552.35	8194583.05	168.50	12.5	13.0	85.0	6242.1	3.7	19.5	1414.1	44.2	555.7	90.7	261.2	166.3	270.3	292.7	3.4	14.5	1.3	338.3	366.2	326.1	12.1
SMDH 00138	814441.42	8194592.05	169.37	0.0	1.0	40.0	3552.5	2.1	9.6	934.3	6.5	531.4	49.6	142.9	91.0	147.9	160.2	1.9	6.4	1.0	69.6	72.6	67.4	2.3
SMDH 00138	814441.42	8194592.05	169.37	1.0	2.0	20.0	4751.5	2.4	18.2	598.8	39.1	902.5	89.4	257.4	163.8	266.3	288.4	2.1	15.2	0.6	351.7	376.3	340.6	11.2
SMDH 00138	814441.42	8194592.05	169.37	2.0	3.0	60.0	4407.6	2.0	14.3	895.9	74.9	911.8	103.9	299.3	190.5	309.7	335.4	1.7	11.1	1.2	514.2	562.8	493.6	20.6
SMDH 00138	814441.42	8194592.05	169.37	3.0	4.0	60.0	7494.6	4.7	16.4	2847.8	44.4	471.9	65.9	189.9	120.9	196.5	212.8	4.3	10.7	1.0	280.8	309.3	268.9	11.9
SMDH 00138	814441.42	8194592.05	169.37	4.0	5.0	70.0	6355.4	3.8	15.7	2107.1	55.0	528.0	68.2	196.5	125.1	203.4	220.2	3.5	10.9	1.0	284.0	319.7	269.1	14.9
SMDH 00138	814441.42	8194592.05	169.37	5.0	6.0	85.0	5712.7	3.2	17.6	1364.0	59.6	632.6	81.3	234.2	149.1	242.4	262.4	2.9	13.2	1.2	399.9	438.1	383.5	16.3
SMDH 00138	814441.42	8194592.05	169.37	6.0	7.0	80.0	5509.9	3.1	17.2	1265.1	56.9	532.8	80.3	231.3	147.2	239.4	259.2	2.8	12.9	1.2	329.2	366.2	314.1	15.1
SMDH 00138	814441.42	8194592.05	169.37	7.0	8.0	85.0	5855.2	3.3	19.0	1208.0	74.3	623.6	86.1	247.8	157.8	256.5	277.7	3.0	14.4	1.3	340.0	388.2	319.8	20.3
SMDH 00138	814441.42	8194592.05	169.37	8.0	9.0	85.0	5539.5	3.1	17.3	1219.9	57.9	612.5	88.9	256.1	163.0	265.1	287.0	2.8	12.9	1.3	303.2	340.4	287.3	15.9
SMDH 00138	814441.42	8194592.05	169.37	9.0	10.0	50.0	5162.8	2.9	16.2	1169.6	57.5	408.4	75.6	217.6	138.5	225.2	243.9	2.7	12.0	1.3	275.9	313.1	260.4	15.5
SMDH 00138	814441.42	8194592.05	169.37	10.0	11.0	85.0	5876.5	3.3	19.0	1248.7	72.5	551.8	88.5	254.9	162.2	263.8	285.6	3.0	14.4	1.3	348.0	395.4	328.6	19.3
SMDH 00138	814441.42	8194592.05	169.37	11.0	12.0	85.0	4840.8	2.7	15.5	1026.4	55.2	555.3	72.4	208.5	132.7	215.8	233.7	2.4	11.7	1.1	300.3	336.0	285.2	15.1
SMDH 00138	814441.42	8194592.05	169.37	12.0	13.0	75.0	4144.2	2.1	10.6	1330.2	71.7	662.1	36.0	103.6	66.0	107.2	116.1	1.9	7.5	1.0	421.9	467.6	401.8	20.1
SMDH 00138	814441.42	8194592.05	169.37	13.0	14.0	85.0	4980.3	2.7	15.7	1116.7	56.2	492.9	79.6	229.2	145.9	237.2	256.9	2.5	11.8	1.2	325.5	361.6	310.1	15.3
SMDH 00138	814441.42	8194592.05	169.37	14.0	15.0	85.0	5709.7	3.2	18.6	1192.2	70.9	546.9	85.9	247.4	157.5	256.1	277.3	2.9	14.1	1.3	346.4	392.5	327.4	19.0
SMDH 00138	814441.42	8194592.05	169.37	15.0	16.0	90.0	5094.0	2.8	15.8	1137.8	59.6	501.1	133.9	385.6	245.4	399.0	432.1	2.5	11.8	1.2	322.9	360.8	305.9	17.0
SMDH 00138	814441.42	8194592.05	169.37	16.0	17.0	80.0	5423.6	3.0	17.4	1176.7	67.9	569.0	84.5	243.3	154.9	251.8	272.6	2.7	13.2	1.2	367.9	411.7	349.2	18.7
SMDH 00139	814316.83	8194579.51	170.92	0.0	1.0	20.0	3819.5	1.9	15.4	398.8	18.8	398.9	66.7	192.2	122.4	198.9	215.4	1.8	12.4	1.1	198.3	209.6	192.8	5.5
SMDH 00139	814316.83	8194579.51	170.92	1.0	2.0	80.0	4124.4	1.9	15.0	603.1	37.0	568.9	105.9	305.0	194.1	315.6	341.8	1.6	11.3	1.9	321.2	344.2	310.7	10.5
SMDH 00139	814316.83	8194579.51	170.92	2.0	3.0	50.0	3926.6	2.0	9.6	1290.7	27.2	742.2	77.8	224.1	142.6	231.9	251.1	1.7	6.4	1.2	543.4	559.1	535.5	8.0
SMDH 00139	814316.83	8194579.51	170.92	3.0	4.0	80.0	4413.0	2.0	14.1	1053.4	46.1	771.8	73.7	212.1	135.0	219.5	237.7	1.7	11.1	1.1	607.7	635.7	594.2	13.5
SMDH 00139	814316.83	8194579.51	170.92	4.0	5.0	85.0	4747.0	2.6	11.5	1589.7	40.1	647.9	79.4	228.7	145.6	236.7	256.4	2.3	7.9	1.1	494.9	519.3	483.4	11.5
SMDH 00139	814316.83	8194579.51	170.92	5.0	6.0	85.0	4213.6	2.3	10.9	1185.8	35.6	783.6	78.7	226.7	144.3	234.7	254.1	2.0	7.4	1.2	312.2	334.2	302.2	10.0
SMDH 00139	814316.83	8194579.51	170.92	6.0	7.0	90.0	2340.5	1.4	5.1	704.5	5.3	503.4	48.9	141.0	89.7	145.9	158.0	1.2	2.6	1.1	40.7	43.0	38.8	1.9
SMDH 00139	814316.83	8194579.51	170.92	7.0	8.0	80.0	2538.2	1.5	4.5	977.7	5.6	354.8	43.2	124.4	79.2	128.7	139.4	1.3	1.5	1.5	38.9	41.0	37.0	1.9
SMDH 00140	814197.53	8194578.34	173.12	0.0	1.0	50.0	6297.4	2.7	16.8	1728.1	72.2	2385.7	97.0	279.5	177.9	289.2	313.2	2.2	13.0	1.1	884.7	929.5	864.3	20.4
SMDH 00140	814197.53	8194578.34	173.12	1.0	2.0	80.0	5508.3	2.7	19.0	1004.6	45.6	864.4	106.9	307.8	196.0	318.6	345.0	2.3	14.8	1.6	458.3	487.0	445.5	12.7
SMDH 00140	814197.53	8194578.34	173.12	2.0	3.0	60.0	3484.8	1.6	10.9	801.0	34.9	715.5	70.2	202.1	128.7	209.2	226.5	1.3	8.2	1.1	434.7	455.7	424.5	10.2
SMDH 00140	814197.53	8194578.34	173.12	3.0	4.0	60.0	5632.7	3.2	11.1	2296.4	55.8	632.1	71.4	205.7	130.9	212.9	230.5	2.8	6.9	1.1	442.4	479.3	428.3	14.1
SMDH 00140	814197.53	8194578.34	173.12	4.0	5.0	90.0	5217.5	2.9	14.4	1493.4	35.6	609.8	77.9	224.3	142.8	232.1	251.4	2.6	10.3	1.2	445.6	467.1	435.5	10.1
SMDH 00140	814197.53	8194578.34	173.12	5.0	6.0	98.0	3012.5	1.7	5.4	1253.0	21.2	335.3	52.5	151.1	96.2	156.4	169.3	1.5	2.6	1.1	206.7	219.3	200.7	6.0
SMDH 00140	814197.53	8194578.34	173.12	6.0	7.0	85.0	3450.9	1.8	8.9	1029.4	58.9	505.0	66.7	192.2	122.4	198.9	215.4	1.5	5.9	1.2	338.5	376.9	322.3	16.1
SMDH 00140	814197.53	8194578.34	173.12	7.0	8.0	95.0	4880.9	2.6	14.3	1174.3	63.9	881.7	76.5	220.2	140.2	227.9	246.8	2.3	10.6	1.1	437.9	477.9	419.1	18.7
SMDH 00140	814197.53	8194578.34	173.12	8.0	9.0	90.0	5275.2	3.1	13.0	1709.9	47.0	632.9	68.3	196.8	125.3	203.6	220.5	2.7	8.9	1.1	355.3	385.0	342.0	13.3
SMDH 00140	814197.53	8194578.34	173.12	9.0	10.0	70.0	6150.3	3.7	15.7	1902.6	44.7	586.5	82.1	236.5	150.6	244.8	265.1	3.3	10.7	1.3	320.0	348.1	307.1	12.8
SMDH 00140	814197.53	8194578.34	173.12	10.0	11.0	90.0	4242.9	2.2	12.0	1152.5	43.8	658.2	71.5	206.0	131.1	213.2	230.8	1.9	8.7	1.2	475.9	503.1	463.4	12.4
SMDH 00140	814197.53	8194578.34	173.12	11.0	12.0	90.0	2655.4	1.4	5.8	924.6	28.6	383.1	57.6	166.0	105.7	171.8	186.0	1.2	3.3	1.2	241.9	259.8	233.6	8.3
SMDH 00140	814197.53	8194578.34	173.12	12.0	13.0	95.0	3918.7	2.1	10.5	1138.0	31.8	548.1	85.7	246.8	157.1	255.4	276.6	1.8	7.2	1.2	403.5	422.6	394.1	9.4
SMDH 00140	814197.53	8194578.34	173.12	13.0	14.0	90.0	4182.7	2.2	11.8	1150.8	48.3	536.7	88.2	253.9	161.6	262.8	284.6	1.9	8.4	1.2	438.1	467.9	424.1	14.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00141	814077.22	8194586.81	173.80	0.0	1.0	40.0	3519.2	1.5	9.8	929.2	47.8	1175.1	120.2	346.1	220.3	358.2	387.9	1.1	7.9	0.4	568.9	598.8	555.4	13.4
SMDH 00141	814077.22	8194586.81	173.80	1.0	2.0	60.0	3703.3	1.7	12.2	754.2	52.4	678.6	74.4	214.2	136.4	221.7	240.1	1.5	9.3	1.1	410.6	444.4	396.3	14.3
SMDH 00141	814077.22	8194586.81	173.80	2.0	3.0	60.0	4410.7	2.1	13.9	983.3	67.4	728.2	81.7	235.2	149.7	243.5	263.6	1.9	10.6	1.2	471.7	515.9	453.7	18.0
SMDH 00141	814077.22	8194586.81	173.80	3.0	4.0	75.0	3769.2	1.9	10.7	1014.9	51.6	581.3	66.0	190.1	121.0	196.7	213.0	1.6	7.8	1.1	411.0	444.2	396.8	14.2
SMDH 00141	814077.22	8194586.81	173.80	4.0	5.0	90.0	4301.7	2.3	10.1	1484.4	32.2	788.4	65.0	187.3	119.2	193.8	209.8	2.0	6.9	0.9	498.2	517.3	488.9	9.3
SMDH 00141	814077.22	8194586.81	173.80	5.0	6.0	90.0	4297.6	2.2	10.9	1368.6	45.2	620.8	82.5	237.6	151.3	245.9	266.3	1.9	7.5	1.2	502.0	530.1	489.3	12.8
SMDH 00141	814077.22	8194586.81	173.80	6.0	7.0	98.0	4620.7	2.4	12.9	1278.4	38.6	838.1	73.4	211.5	134.6	218.9	237.0	2.1	9.5	1.1	564.0	586.5	552.7	11.4
SMDH 00141	814077.22	8194586.81	173.80	7.0	8.0	95.0	3152.0	1.8	5.9	1241.3	10.1	376.9	49.7	143.3	91.2	148.3	160.6	1.6	2.8	1.3	165.1	170.4	162.2	2.8
SMDH 00141	814077.22	8194586.81	173.80	8.0	9.0	85.0	5604.2	3.0	16.7	1400.7	54.0	785.8	92.1	265.2	168.8	274.4	297.2	2.7	12.6	1.2	552.6	585.2	536.4	16.2
SMDH 00141	814077.22	8194586.81	173.80	9.0	10.0	90.0	5205.6	2.9	13.7	1585.9	42.9	649.5	70.9	204.2	130.0	211.3	228.8	2.6	9.8	1.1	391.0	418.2	379.4	11.7
SMDH 00141	814077.22	8194586.81	173.80	10.0	11.0	80.0	4067.1	2.1	10.9	1196.9	58.7	562.7	77.8	224.1	142.7	232.0	251.2	1.8	7.6	1.2	447.5	485.5	431.6	15.9
SMDH 00141	814077.22	8194586.81	173.80	11.0	12.0	80.0	3968.4	2.0	10.7	1163.2	72.4	527.4	73.4	211.4	134.5	218.7	236.9	1.7	7.6	1.2	450.2	497.4	430.5	19.6
SMDH 00141	814077.22	8194586.81	173.80	12.0	13.0	70.0	4046.3	2.1	9.8	1329.4	60.3	546.5	72.4	208.5	132.7	215.8	233.7	1.8	6.4	1.2	383.7	423.1	367.5	16.3
SMDH 00142	813958.56	8194581.41	173.26	0.0	1.0	15.0	3994.8	2.0	15.2	483.1	26.7	866.1	57.6	166.0	105.7	171.8	186.0	1.8	12.5	0.8	267.2	283.5	259.3	7.9
SMDH 00142	813958.56	8194581.41	173.26	1.0	2.0	40.0	3935.7	1.8	13.6	660.7	43.3	891.4	65.5	188.7	120.1	195.3	211.4	1.6	10.6	1.2	372.8	400.2	360.5	12.3
SMDH 00142	813958.56	8194581.41	173.26	2.0	3.0	40.0	3796.2	1.8	13.9	552.2	38.1	607.4	75.1	216.4	137.7	223.9	242.5	1.6	10.9	1.2	289.1	313.8	278.9	10.2
SMDH 00142	813958.56	8194581.41	173.26	3.0	4.0	70.0	4709.1	2.4	13.0	1358.4	49.2	786.4	76.5	220.4	140.3	228.0	246.9	2.1	9.5	1.0	419.9	451.1	405.9	14.0
SMDH 00142	813958.56	8194581.41	173.26	4.0	5.0	85.0	4991.8	2.7	13.4	1546.0	34.4	507.6	79.8	229.8	146.3	237.8	257.5	2.4	9.6	1.1	419.5	440.2	409.4	10.1
SMDH 00142	813958.56	8194581.41	173.26	5.0	6.0	80.0	4787.0	2.6	13.3	1391.0	42.6	630.9	68.8	198.1	126.1	205.0	222.0	2.3	9.8	0.9	364.9	392.0	352.9	12.0
SMDH 00142	813958.56	8194581.41	173.26	6.0	7.0	40.0	5678.6	3.0	16.5	1489.7	43.8	868.3	101.6	292.7	186.3	302.9	328.0	2.7	12.4	1.1	488.0	514.9	475.6	12.4
SMDH 00142	813958.56	8194581.41	173.26	7.0	8.0	60.0	3642.0	1.8	9.1	1242.7	26.3	519.1	59.8	172.4	109.7	178.4	193.2	1.5	6.3	1.0	488.7	503.9	481.1	7.7
SMDH 00142	813958.56	8194581.41	173.26	8.0	9.0	80.0	4271.8	2.2	11.2	1284.4	50.8	764.4	81.8	235.5	149.9	243.7	263.9	1.8	8.0	1.0	504.7	536.5	490.3	14.4
SMDH 00142	813958.56	8194581.41	173.26	9.0	10.0	75.0	4371.4	2.2	12.5	1198.5	48.2	691.8	83.7	241.2	153.5	249.6	270.3	1.9	9.1	1.2	488.0	518.2	474.3	13.6
SMDH 00142	813958.56	8194581.41	173.26	10.0	11.0	60.0	4169.2	2.1	11.2	1256.4	49.0	629.1	73.5	211.6	134.7	219.0	237.1	1.8	8.0	1.1	434.0	464.9	419.8	14.2
SMDH 00142	813958.56	8194581.41	173.26	11.0	12.0	98.0	2631.8	1.2	6.0	899.4	39.2	591.9	45.8	131.9	84.0	136.5	147.8	1.0	3.9	0.9	342.1	367.4	331.7	10.5
SMDH 00142	813958.56	8194581.41	173.26	12.0	13.0	75.0	4267.7	2.1	10.9	1346.9	55.4	730.9	66.7	192.2	122.4	198.9	215.4	1.8	7.7	1.1	518.7	554.1	503.6	15.0
SMDH 00142	813958.56	8194581.41	173.26	13.0	14.0	85.0	4545.7	2.3	12.8	1296.2	65.2	612.0	73.1	210.7	134.1	218.0	236.1	2.0	9.6	0.9	500.3	542.3	482.2	18.1
SMDH 00142	813958.56	8194581.41	173.26	14.0	15.0	90.0	3885.3	1.9	10.3	1141.5	49.4	721.1	75.4	217.0	138.2	224.6	243.2	1.6	7.2	1.1	470.9	501.8	456.8	14.1
SMDH 00142	813958.56	8194581.41	173.26	15.0	16.0	80.0	4457.8	2.3	14.2	1021.7	50.7	580.9	72.0	207.3	132.0	214.5	232.3	2.0	11.0	0.9	448.6	480.0	434.4	14.2
SMDH 00142	813958.56	8194581.41	173.26	16.0	17.0	80.0	6659.8	3.6	24.9	1071.0	48.1	587.7	72.4	208.5	132.7	215.8	233.7	3.3	20.4	0.9	452.7	482.9	439.3	13.4
SMDH 00142	813958.56	8194581.41	173.26	17.0	18.0	90.0	4441.9	2.3	14.1	1016.8	49.2	727.1	52.9	152.5	97.1	157.8	170.9	2.0	11.1	0.8	425.6	456.7	411.9	13.7
SMDH 00143	813839.35	8194587.41	170.86	0.0	1.0	20.0	4785.6	2.2	16.5	975.9	42.7	996.9	47.7	137.5	87.5	142.3	154.1	1.9	13.7	0.6	569.3	595.1	556.6	12.7
SMDH 00143	813839.35	8194587.41	170.86	1.0	2.0	60.0	5107.5	2.2	16.5	1148.4	61.9	1214.5	70.2	202.1	128.7	209.2	226.5	1.9	13.2	1.2	718.4	756.9	700.3	18.1
SMDH 00143	813839.35	8194587.41	170.86	2.0	3.0	80.0	4755.7	2.3	15.5	1101.4	42.4	538.3	91.7	264.2	168.1	273.4	296.0	2.0	11.9	1.3	538.3	565.4	527.1	11.2
SMDH 00143	813839.35	8194587.41	170.86	3.0	4.0	80.0	3976.7	1.9	11.2	1220.1	55.8	409.7	59.3	170.7	108.7	176.7	191.3	1.7	8.3	1.0	510.5	546.1	495.1	15.4
SMDH 00143	813839.35	8194587.41	170.86	4.0	5.0	90.0	5266.5	2.6	16.6	1271.6	64.6	636.1	97.0	279.4	177.9	289.2	313.1	2.3	12.8	1.3	559.0	598.6	539.3	19.6
SMDH 00143	813839.35	8194587.41	170.86	5.0	6.0	85.0	5030.9	2.4	14.1	1521.9	63.9	657.1	80.8	232.7	148.1	240.8	260.8	2.1	10.5	1.1	636.7	676.4	618.3	18.3
SMDH 00143	813839.35	8194587.41	170.86	6.0	7.0	95.0	4405.5	1.9	11.6	1477.5	32.8	792.2	77.7	223.7	142.4	231.5	250.7	1.6	8.6	1.1	735.4	754.3	725.8	9.6
SMDH 00143	813839.35	8194587.41	170.86	7.0	8.0	90.0	7275.7	4.1	15.0	3042.6	52.6	604.3	74.1	213.6	135.9	221.0	239.3	3.6	9.7	1.2	633.6	665.7	618.2	15.3
SMDH 00143	813839.35	8194587.41	170.86	8.0	9.0	90.0	4950.0	2.4	14.1	1410.0	66.5	701.7	81.1	233.6	148.7	241.7	261.8	2.1	10.6	1.1	526.5	568.4	507.6	18.9
SMDH 00143	813839.35	8194587.41	170.86	9.0	10.0	90.0	5234.9	3.0	11.4	1983.6	15.8	547.8	59.2	170.5	108.5	176.4	191.0	2.7	7.2	1.2	277.0	285.9	272.8	4.2
SMDH 00143	813839.35	8194587.41	170.86	10.0	11.0	95.0	5356.6	2.9	14.7	1457.7	17.6	1030.8	90.2	259.9	165.4	269.0	291.3	2.6	10.6	1.1	400.2	409.9	395.4	4.9
SMDH 00143	813839.35	8194587.41	170.86	11.0	12.0	95.0	5466.9	2.8	16.2	1406.5	25.5	941.9	94.2	271.4	172.8	280.9	304.2	2.5	12.3	1.1	626.7	640.8	619.3	7.4
SMDH 00143	813839.35	8194587.41	170.86	12.0	13.0	75.0	5734.2	2.9	14.8	1876.3	30.3	950.8	86.2	248.3	158.1	257.0	278.3	2.5	10.8	1.1	796.7	813.3	787.7	9.0
SMDH 00144	813718.11	8194577.58	169.14	0.0	1.0	20.0	2933.3	1.3	10.1	513.5	32.4	695.5	43.6	125.7	80.0	130.0	140.8	1.2	8.0	0.8	284.9	304.5	274.9	10.0
SMDH 00144	813718.11	8194577.58	169.14	1.0	2.0	80.0	4197.6	1.9	14.1	814.4	53.8	878.4	67.5	194.3	123.7	201.1	217.7	1.6	10.8	1.4	471.9	506.2	457.0	14.9
SMDH 00144	813718.11	8194577.58	169.14	2.0	3.0	75.0	4676.3	2.3	13.9	1217.2	69.4	669.8	79.2	228.1	145.2	236.1	255.6	2.0	10.4	1.3	471.5	516.1	452.0	19.5
SMDH 00144	813718.11	8194577.58	169.14	3.0	4.0	75.0	4465.4	2.4	11.9	1327.2	42.1	701.4	64.1	184.7	117.6	191.2	207.0	2.1	8.6	1.0	440.0	465.6	427.5	12.5
SMDH 00144	813718.11	8194577.58	169.14	4.0	5.0	85.0	6165.4	3.4	16.3	1878.9	56.2	715.7	89.7	258.5	164.5	267.5	289.7	3.0	11.5	1.4	542.1	577.2	525.8	16.3
SMDH 00144	813718.11	8194577.58	169.14	5.0	6.0	95.0	5557.7	2.9	16.5	1396.7	59.1	858.5	87.0	250.7	159.6	259.4	280.9	2.6	12.4	1.2	513.1	550.1	496.1	17.0
SMDH 00144	813718.11	8194577.58	169.14	6.0	7.0	75.0	4299.6	2.2	12.6	1150.8	39.7	566.8	69.9	201.3	128.1	208.3	225.5	1.9	9.4	1.1	453.1	476.8	441.2	11.9
SMDH 00144	813718.11	8194577.58	169.14	7.0	8.0	80.0	3303.5	1.8	9.0	945.7	12.2	348.3	44.6	128.5	81.8	133.0	144.0	1.6	5.9	1.3	157.6	164.3	154.0	3.7
SMDH 00145	813597.32	8194581.27	167.30	0.0	1.0	10.0	4117.9	1.9	14.1	776.4	33.2	932.5	62.1	178.9	113.9	185.1	200.4	1.7	11.2	0.9	436.0	455.8	426.4	9.5
SMDH 00145	813597.32	8194581.27	167.30	1.0	2.0	40.0	4778.3	2.1	16.0	994.8	70.9	851.7	77.8	224.1	142.6	231.9	251.1	1.8	12.6	1.3	588.8	632.9	568.7	20.1
SMDH 00145	813597.32	8194581.27	167.30	2.0	3.0	50.0	5510.3	2.8	13.2	1976.9	69.7	773.3	62.3	179.6	114.3	185.8	201.2	2.5	9.5	0.9	577.0	620.0	556.7	20.3
SMDH 00145	813597.32	8194581.27	167.30	3.0	4.0	70.0	4591.2	2.2	11.7	1576.4	70.8	594.8	60.7	174.9	111.3	181.0	196.0	1.9	8.6	0.9	604.1	646.3	582.2	21.9
SMDH 00145	813597.32	8194581.27	167.30	4.0	5.0	90.0	5791.9	3.1	12.1	2385.4	52.4	655.9	65.1	187.5	119.4	194.1	210.2	2.7	8.2	0.8	689.4	720.3	673.9	15.5
SMDH 00145	813597.32	8194581.27	167.30	5.0	6.0	85.0	4619.2	2.2	10.8	1698.4	46.3	872.2	63.9	184.2	117.2	190.6	206.4	1.9	7.7	0.9	702.9	730.3	689.8	13.1
SMDH 00145	813597.32	8194581.27	167.30	6.0	7.0	70.0	4444.4	2.1	10.3	1687.6	26.2	712.5	67.2	193.5	123.2	200.3	216.9	1.8	7.2	1.0	700.4	714.5	692.6	7.8
SMDH 00145	813597.32	8194581.27	167.30	7.0	8.0	75.0	3686.4	1.9	9.2	1228.5	23.1	508.9	44.8	129.0	82.1	133.5	144.6	1.7	6.4	0.9	347.6	360.6	341.0	6.6
SMDH 00145	813597.32	8194581.27	167.30	8.0	9.0	90.0	5074.9	2.6	14.7	1401.5	54.5	672.5	85.1	245.1	156.0	253.6	274.6	2.3	11.0	1.2	555.4	587.5	538.7	16.7
SMDH 00145	813597.32	8194581.27	167.30	9.0	10.0	85.0	5476.8	2.8	16.0	1482.6	60.9	742.3	90.3	260.2	165.6	269.3	291.6	2.5	11.9	1.2	583.1	619.0	564.1	18.9
SMDH 00145	813597.32	8194581.27	167.30	10.0	11.0	90.0	4785.1	2.3	12.5	1573.8	68.1	688.0	76.1	219.2	139.6	226.9	245.7	2.0	9.2	1.1	717.3	757.2	696.2	21.2
SMDH 00145	813597.32	8194581.27	167.30	11.0	12.0	90.0	5208.6	2.7	13.8	1614.4	45.1	820.4	74.9	215.6	137.3	223.2	241.6	2.4	10.0	1.1	596.9	623.7	583.8	13.0
SMDH 00145	813597.32	8194581.27	167.30	12.0	13.0	95.0	5222.4	2.8	15.5	1362.4	40.6	661.6	89.1	256.6	163.4	265.6	287.6	2.5	11.7	1.1	487.0	511.7	475.6	11.4
SMDH 00145	813597.32	8194581.27	167.30	13.0	14.0	90.0	5248.8	2.8	16.0	1261.3	59.0	733.8	91.6	263.7	167.9	272.9	295.6	2.4	12.1	1.2	475.8	511.7	458.3	17.5
SMDH 00145	813597.32	8194581.27	167.30	14.0	15.0	98.0	4835.4	2.8	14.9	975.3	43.5	825.5	79.5	229.0	145.8	237.0	256.6	2.5	10.9	1.3	208.6	236.0	196.5	12.1
SMDH 00145	813597.32	8194581.27	167.30	15.0	16.0	90.0	4886.2	3.0	15.0	998.0	13.4	625.3	85.4	245.9	156.6	254.5	275.6	2.7	10.7	1.4	83.5	91.0	79.4	4.2
SMDH 00146	813478.68	8194585.25	165.28	0.0	1.0	20.0	4561.5	2.1	14.3	1037.1	56.7	1121.4	68.2	196.5	125.1	203.4	220.2	1.8	11.2	1.0	572.7	608.4	556.7	16.0
SMDH 00146	813478.68	8194585.25	165.28	1.0	2.0	50.0	4542.2	2.2	16.0	814.3	49.2	700.5	80.2	231.1	147.1	239.2	259.0	1.9	12.6	1.2	457.4	488.4	443.3	14.2
SMDH 00146	813478.68	8194585.25	165.28	2.0	3.0	50.0	7489.9	4.6	12.9	3389.7	42.7	719.2	50.6	145.8	92.8	150.9	163.4	4.1	7.5	0.8	372.6	400.1	361.4	11.2
SMDH 00146	813478.68	8194585.25	165.28	3.0	4.0	70.0	5657.3	3.0	17.1	1425.7	58.5	630.0	96.2	277.1	176.4	286.8	310.5	2.7	12.8	1.2	476.6	513.6	459.9	16.7
SMDH 00146	813478.68	8194585.25	165.28	4.0	5.0	90.0	5796.3	3.1	16.8	1587.2	50.9	606.6	83.9	241.5	153.7	249.9	270.7	2.8	12.5	1.2	446.8	478.3	431.7	15.0
SMDH 00146	813478.68	8194585.25	165.28	5.0	6.0	95.0	5859.9	3.3	14.9	1780.8	42.7	1059.4	71.3	205.3	130.7	212.4	230.1	2.9	10.6	1.1	383.0	409.9	371.0	12.0
SMDH 00146	813478.68	8194585.25	165.28	6.0	7.0	80.0	5363.7	2.8	16.3	1360.5	59.0	641.6	90.1	259.6	165.2	268.7	290.9	2.5	12.3	1.2	545.2	582.4	528.4	16.8
SMDH 00146	813478.68	8194585.25	165.28	7.0	8.0	95.0	5510.6	2.9	16.6	1427.1	53.9	631.0	90.1	259.6	165.2	268.7	290.9	2.6	12.5	1.2	545.0	578.8	529.5	15.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00146	813478.68	8194585.25	165.28	8.0	9.0	98.0	5201.2	2.9	14.5	1486.9	53.8	556.2	76.2	219.3	139.6	227.0	245.8	2.6	10.6	1.1	428.8	463.1	413.5	15.2
SMDH 00146	813478.68	8194585.25	165.28	9.0	10.0	95.0	4768.5	2.5	14.4	1174.1	61.3	632.2	79.9	230.1	146.5	238.1	257.9	2.2	10.8	1.1	457.5	496.2	440.1	17.4
SMDH 00146	813478.68	8194585.25	165.28	10.0	11.0	98.0	4955.6	2.6	15.1	1187.1	48.6	730.2	82.5	237.5	151.2	245.8	266.2	2.3	11.3	1.1	443.4	473.7	429.3	14.2
SMDH 00146	813478.68	8194585.25	165.28	11.0	12.0	75.0	5208.2	2.8	14.9	1410.9	40.8	634.8	85.5	246.2	156.7	254.8	275.9	2.5	10.9	1.2	415.0	440.2	403.3	11.8
SMDH 00146	813478.68	8194585.25	165.28	12.0	13.0	85.0	4608.5	2.3	13.4	1236.3	52.3	671.4	75.7	218.1	138.8	225.7	244.4	2.0	10.0	1.1	517.4	549.2	501.7	15.7
SMDH 00147	813361.08	8194582.56	163.14	0.0	1.0	10.0	4854.8	2.5	16.4	977.9	42.6	946.2	44.6	128.6	81.8	133.0	144.1	2.2	13.3	0.5	385.7	412.1	373.5	12.2
SMDH 00147	813361.08	8194582.56	163.14	1.0	2.0	85.0	5898.2	2.7	19.1	1144.0	74.1	1608.2	88.8	255.8	162.8	264.7	286.7	2.4	15.0	1.4	675.3	721.2	653.7	21.6
SMDH 00147	813361.08	8194582.56	163.14	2.0	3.0	80.0	4955.4	2.8	16.4	1000.2	27.1	475.0	76.9	221.5	141.0	229.3	248.3	2.5	12.3	1.3	333.9	350.2	326.1	7.7
SMDH 00147	813361.08	8194582.56	163.14	3.0	4.0	85.0	5674.5	3.4	16.3	1451.9	41.4	575.6	84.1	242.1	154.1	250.6	271.3	3.1	11.7	1.2	384.8	409.9	372.5	12.3
SMDH 00147	813361.08	8194582.56	163.14	4.0	5.0	90.0	5718.1	3.5	17.3	1293.1	35.6	511.3	85.7	246.8	157.1	255.4	276.6	3.2	12.5	1.3	302.8	324.8	292.7	10.1
SMDH 00147	813361.08	8194582.56	163.14	5.0	6.0	90.0	4648.0	2.6	15.1	938.5	28.8	545.9	76.5	220.3	140.2	228.0	246.9	2.4	11.2	1.3	352.1	369.4	343.8	8.3
SMDH 00147	813361.08	8194582.56	163.14	6.0	7.0	70.0	6203.4	3.7	17.6	1628.2	37.8	688.5	75.4	217.3	138.3	224.9	243.5	3.4	12.6	1.3	336.7	360.2	326.1	10.7
SMDH 00147	813361.08	8194582.56	163.14	7.0	8.0	95.0	5435.0	3.0	16.8	1282.5	46.3	617.2	85.0	244.9	155.9	253.5	274.5	2.7	12.5	1.3	446.1	475.2	433.2	12.9
SMDH 00147	813361.08	8194582.56	163.14	8.0	9.0	98.0	6017.5	3.2	20.3	968.4	51.3	1351.9	94.8	273.1	173.8	282.6	306.0	2.9	15.6	1.4	425.1	457.6	410.7	14.4
SMDH 00147	813361.08	8194582.56	163.14	9.0	10.0	85.0	4740.6	2.6	15.6	982.2	37.5	500.7	73.0	210.2	133.8	217.5	235.6	2.3	11.7	1.3	362.9	386.2	352.3	10.6
SMDH 00147	813361.08	8194582.56	163.14	10.0	11.0	95.0	5545.4	3.1	18.8	988.9	47.5	628.4	95.7	275.6	175.4	285.2	308.8	2.8	14.3	1.5	364.4	394.6	351.3	13.1
SMDH 00147	813361.08	8194582.56	163.14	11.0	12.0	95.0	5732.5	3.3	19.0	1096.9	42.3	632.7	97.4	280.5	178.5	290.3	314.3	3.0	14.5	1.3	376.6	403.3	364.8	11.8
SMDH 00147	813361.08	8194582.56	163.14	12.0	13.0	75.0	5607.5	3.2	19.0	1002.6	33.7	663.0	97.7	281.4	179.1	291.2	315.3	2.9	14.5	1.3	359.0	379.8	349.4	9.6
SMDH 00147	813361.08	8194582.56	163.14	13.0	14.0	85.0	5522.4	3.0	19.3	919.1	40.2	703.2	97.1	279.7	178.0	289.5	313.4	2.7	14.9	1.4	427.2	451.9	415.4	11.8
SMDH 00147	813361.08	8194582.56	163.14	14.0	15.0	80.0	5509.1	3.0	18.7	979.1	30.8	699.8	101.6	292.5	186.2	302.7	327.8	2.7	14.2	1.5	398.3	416.8	389.3	9.0
SMDH 00147	813361.08	8194582.56	163.14	15.0	16.0	95.0	4946.2	2.7	16.0	1057.6	36.8	534.3	86.9	250.1	159.2	258.9	280.3	2.4	12.1	1.2	391.1	413.9	380.8	10.4
SMDH 00148	813240.82	8194578.65	162.05	0.0	1.0	10.0	3959.7	1.8	11.2	1067.9	43.8	1132.8	61.0	175.7	111.8	181.8	196.9	1.5	8.5	0.9	566.1	592.4	553.0	13.1
SMDH 00148	813240.82	8194578.65	162.05	1.0	2.0	20.0	4391.8	2.2	13.3	1074.4	27.7	658.3	99.1	285.4	181.7	295.3	319.8	1.9	9.8	1.3	512.6	528.6	504.4	8.2
SMDH 00148	813240.82	8194578.65	162.05	2.0	3.0	40.0	7093.3	4.3	14.5	2818.1	29.3	621.1	78.2	225.1	143.3	233.0	252.3	3.9	8.9	1.2	366.4	383.9	358.0	8.4
SMDH 00148	813240.82	8194578.65	162.05	3.0	4.0	70.0	4671.8	2.6	12.2	1452.2	29.5	455.5	70.3	202.4	128.9	209.5	226.9	2.3	8.5	1.2	399.3	416.7	390.6	8.7
SMDH 00148	813240.82	8194578.65	162.05	4.0	5.0	100.0	6937.4	3.9	23.1	1274.9	77.8	778.0	142.3	409.9	260.9	424.2	459.4	3.5	17.4	1.7	477.2	524.9	453.9	23.3
SMDH 00148	813240.82	8194578.65	162.05	5.0	6.0	80.0	5517.9	3.1	16.5	1335.8	55.6	566.7	92.2	265.6	169.0	274.8	297.6	2.8	11.8	1.6	412.2	446.5	395.9	16.3
SMDH 00148	813240.82	8194578.65	162.05	6.0	7.0	50.0	5602.1	3.1	17.2	1263.8	46.6	655.7	103.9	299.4	190.6	309.8	335.5	2.8	12.5	1.6	408.9	436.8	394.6	14.3
SMDH 00148	813240.82	8194578.65	162.05	7.0	8.0	70.0	4483.9	2.4	13.9	984.1	53.9	665.3	78.7	226.8	144.4	234.7	254.2	2.1	10.3	1.2	380.9	413.6	364.5	16.4
SMDH 00148	813240.82	8194578.65	162.05	8.0	9.0	90.0	4315.3	2.3	13.9	900.6	51.6	506.6	76.1	219.1	139.5	226.8	245.6	2.0	10.3	1.3	394.0	425.4	378.5	15.5
SMDH 00148	813240.82	8194578.65	162.05	9.0	10.0	90.0	2936.3	1.5	8.8	732.6	39.4	403.5	46.6	134.2	85.4	138.9	150.4	1.3	6.3	1.0	305.0	329.0	293.5	11.5
SMDH 00148	813240.82	8194578.65	162.05	10.0	11.0	100.0	4882.2	2.7	13.3	1448.7	26.9	388.9	73.1	210.7	134.1	218.0	236.1	2.4	9.1	1.6	413.0	428.6	405.0	8.0
SMDH 00148	813240.82	8194578.65	162.05	11.0	12.0	100.0	3645.6	1.9	10.8	950.5	31.2	483.8	54.4	156.8	99.8	162.2	175.7	1.7	7.9	1.0	384.7	403.2	375.7	9.0
SMDH 00148	813240.82	8194578.65	162.05	12.0	13.0	40.0	4611.4	2.3	12.4	1464.8	34.5	563.2	66.0	190.0	120.9	196.6	212.9	2.0	8.9	1.2	582.4	602.2	572.1	10.4
SMDH 00149	813117.06	8194584.07	160.43	0.0	1.0	10.0	4958.1	2.8	17.4	860.1	33.9	395.9	84.3	242.9	154.6	251.4	272.2	2.6	13.7	0.9	240.5	261.3	230.2	10.3
SMDH 00149	813117.06	8194584.07	160.43	1.0	2.0	20.0	6399.3	4.0	22.1	1133.0	40.0	206.6	100.0	287.9	183.3	298.0	322.7	3.8	16.9	1.1	166.8	192.2	155.0	11.8
SMDH 00149	813117.06	8194584.07	160.43	2.0	3.0	30.0	10340.6	6.7	19.1	3981.0	17.2	2048.9	118.1	340.3	216.6	352.2	381.3	5.9	11.2	1.2	230.4	239.6	225.1	5.3
SMDH 00149	813117.06	8194584.07	160.43	3.0	4.0	100.0	3617.7	2.0	7.2	1450.5	41.9	436.6	26.1	75.1	47.8	77.7	84.2	1.8	4.2	1.0	257.0	282.9	245.1	11.9
SMDH 00149	813117.06	8194584.07	160.43	4.0	5.0	60.0	4376.7	2.6	10.5	1254.7	38.9	1036.5	61.9	178.2	113.4	184.4	199.6	2.3	6.8	1.1	133.2	156.8	122.0	11.1
SMDH 00150	812998.35	8194588.06	159.35	0.0	1.0	10.0	3962.5	2.0	14.9	551.3	42.8	310.0	104.1	299.9	190.9	310.4	336.1	1.8	11.7	1.2	257.3	284.7	245.3	11.9
SMDH 00150	812998.35	8194588.06	159.35	1.0	2.0	15.0	4731.8	2.7	14.2	1219.0	33.3	339.5	67.5	194.4	123.7	201.2	217.9	2.4	10.5	1.1	220.1	241.3	210.9	9.2
SMDH 00150	812998.35	8194588.06	159.35	2.0	3.0	25.0	4085.8	2.4	11.8	1048.7	35.0	388.5	58.7	169.2	107.7	175.1	189.6	2.1	8.4	1.0	294.4	316.1	284.1	10.2
SMDH 00150	812998.35	8194588.06	159.35	3.0	4.0	40.0	8224.7	6.0	21.2	2397.6	32.5	133.2	55.1	158.7	101.0	164.2	177.9	5.7	14.3	0.9	113.3	133.6	104.0	9.3
SMDH 00150	812998.35	8194588.06	159.35	4.0	5.0	50.0	5269.1	3.3	13.0	1708.1	28.3	304.7	72.6	209.2	133.2	216.5	234.5	3.0	8.7	1.0	303.3	320.3	295.3	8.0
SMDH 00150	812998.35	8194588.06	159.35	5.0	6.0	70.0	3038.4	1.8	8.5	803.0	19.7	154.6	50.0	143.9	91.6	148.9	161.2	1.7	5.6	1.1	142.2	154.4	137.0	5.2
SMDH 00150	812998.35	8194588.06	159.35	6.0	7.0	90.0	2541.5	1.6	7.0	679.6	21.5	95.0	28.5	82.0	52.2	84.8	91.9	1.5	4.5	0.9	95.2	109.1	89.8	5.4
SMDH 00150	812998.35	8194588.06	159.35	7.0	8.0	100.0	7320.4	5.0	19.8	2020.6	51.3	165.8	93.2	268.5	170.9	277.9	300.9	4.7	13.6	1.2	180.8	214.8	167.0	13.9
SMDH 00150	812998.35	8194588.06	159.35	8.0	9.0	100.0	6214.9	3.2	21.6	1180.2	86.9	412.6	101.7	292.9	186.5	303.2	328.3	2.9	16.6	1.8	483.6	539.2	458.7	24.9
SMDH 00150	812998.35	8194588.06	159.35	9.0	10.0	90.0	7307.1	4.0	26.3	1200.8	74.9	449.6	118.0	339.8	216.3	351.7	380.8	3.7	20.4	1.9	426.1	472.1	403.1	22.9
SMDH 00150	812998.35	8194588.06	159.35	10.0	11.0	80.0	6506.5	3.5	23.9	1012.7	73.7	434.6	96.4	277.6	176.7	287.3	311.1	3.3	18.8	1.6	375.0	421.5	353.5	21.4
SMDH 00150	812998.35	8194588.06	159.35	11.0	12.0	70.0	7603.5	4.4	26.7	1322.7	66.0	396.7	111.5	321.1	204.4	332.3	359.9	4.1	20.5	1.7	349.1	390.3	329.5	19.6
SMDH 00150	812998.35	8194588.06	159.35	12.0	13.0	90.0	8035.8	4.6	28.4	1378.2	80.2	424.0	122.0	351.4	223.7	363.7	393.8	4.3	22.0	1.8	395.2	445.4	371.2	24.1
SMDH 00150	812998.35	8194588.06	159.35	13.0	14.0	100.0	7016.4	4.0	25.2	1166.1	68.1	383.2	105.0	302.5	192.5	313.0	339.0	3.7	19.6	1.7	344.9	387.4	324.5	20.4
SMDH 00150	812998.35	8194588.06	159.35	14.0	15.0	100.0	7383.1	3.9	28.0	1001.9	83.8	438.9	128.2	369.2	235.0	382.1	413.7	3.6	22.0	2.1	399.0	451.8	373.8	25.2
SMDH 00150	812998.35	8194588.06	159.35	15.0	16.0	90.0	6747.5	3.6	24.9	1044.5	79.6	479.0	105.6	304.2	193.7	314.8	340.9	3.3	19.5	1.8	416.9	465.9	392.3	24.6
SMDH 00150	812998.35	8194588.06	159.35	16.0	17.0	70.0	7371.1	4.2	27.9	918.8	90.0	566.9	108.1	311.4	198.2	322.2	349.0	3.9	22.0	1.7	374.5	432.3	348.2	26.3
SMDH 00151	812885.78	8194585.07	158.99	0.0	1.0	20.0	5305.5	2.5	17.2	1078.6	90.5	989.7	131.7	379.3	241.4	392.5	425.1	2.1	13.4	1.3	576.2	634.3	551.1	25.1
SMDH 00151	812885.78	8194585.07	158.99	1.0	2.0	60.0	4324.7	2.1	13.4	1000.7	63.9	795.1	87.6	252.3	160.6	261.1	282.8	1.8	10.3	1.0	461.0	501.6	443.2	17.8
SMDH 00151	812885.78	8194585.07	158.99	2.0	3.0	40.0	4676.6	2.5	11.9	1476.4	49.2	787.9	60.3	173.5	110.5	179.6	194.5	2.2	8.4	1.0	446.2	478.6	434.1	12.1
SMDH 00151	812885.78	8194585.07	158.99	3.0	4.0	40.0	5043.4	3.3	9.6	2094.3	22.9	253.1	35.5	102.3	65.1	105.8	114.6	3.0	5.3	1.0	269.2	282.5	263.0	6.2
SMDH 00151	812885.78	8194585.07	158.99	4.0	5.0	50.0	5816.4	3.8	11.3	2335.4	18.5	423.6	49.2	141.8	90.3	146.7	158.9	3.4	6.4	1.1	420.5	430.3	415.5	4.9
SMDH 00151	812885.78	8194585.07	158.99	5.0	6.0	60.0	7157.9	5.0	15.5	2587.7	12.0	221.8	73.0	210.2	133.8	217.6	235.6	4.6	9.3	1.2	286.0	291.8	282.8	3.2
SMDH 00151	812885.78	8194585.07	158.99	6.0	7.0	50.0	5506.6	3.1	14.3	1755.3	24.2	556.6	73.3	211.1	134.4	218.4	236.5	2.8	10.0	1.2	585.9	598.6	578.8	7.1
SMDH 00151	812885.78	8194585.07	158.99	7.0	8.0	70.0	5010.7	2.7	14.5	1353.5	17.1	691.8	73.9	212.7	135.4	220.2	238.4	2.4	10.6	1.3	499.4	507.7	494.2	5.2
SMDH 00151	812885.78	8194585.07	158.99	8.0	9.0	80.0	3987.2	2.0	11.2	1177.7	14.5	574.3	58.8	169.4	107.8	175.3	189.8	1.8	8.2	1.0	507.2	514.1	502.8	4.4
SMDH 00151	812885.78	8194585.07	158.99	9.0	10.0	80.0	4957.7	2.9	13.6	1305.2	16.6	872.0	63.8	183.9	117.1	190.3	206.1	2.6	9.6	1.2	374.2	383.1	369.4	4.8
SMDH 00151	812885.78	8194585.07	158.99	10.0	11.0	85.0	2487.0	1.2	5.8	876.1	11.5	426.4	25.6	73.7	46.9	76.3	82.6	1.1	3.6	0.9	277.4	283.3	274.2	3.2
SMDH 00151	812885.78	8194585.07	158.99	11.0	12.0	90.0	3627.8	1.9	11.2	832.4	21.5	533.6	62.0	178.6	113.7	184.9	200.2	1.7	8.3	1.0	321.4	333.7	315.3	6.1
SMDH 00151	812885.78	8194585.07	158.99	12.0	13.0	90.0	3654.6	1.9	12.2	729.9	21.8	494.1	61.2	176.3	112.2	182.4	197.5	1.7	9.3	1.0	314.8	327.5	308.5	6.4
SMDH 00151	812885.78	8194585.07	158.99	13.0	14.0	85.0	3968.5	2.1	13.0	741.1	27.3	673.6	71.3	205.2	130.6	212.4	230.0	1.9	9.7	1.1	284.1	300.1	276.0	8.1
SMDH 00151	812885.78	8194585.07	158.99	14.0	15.0	80.0	4215.4	2.1	12.3	1132.5	43.6	582.4	77.7	223.8	142.4	231.6	250.8	1.9	9.1	1.1	507.2	533.6	494.7	12.5
SMDH 00151	812885.78	8194585.07	158.99	15.0	16.0	95.0	4374.8	2.4	11.9	1270.1	47.2	498.1	67.2	193.5	123.2	200.3	216.9	2.2	8.4	1.0	399.8	429.4	386.9	12.9
SMDH 00151	812885.78	8194585.07	158.99	16.0	17.0	95.0	3042.9	1.7	8.2	909.0	14.4	200.9	50.3	145.0	92.3	150.1	162.5	1.5	5.4	1.1	239.7	247.7	235.7	4.0
SMDH 00151	812885.78	8194585.07	158.99	17.0	18.0	80.0	4257.8	2.4	13.2	955.8	52.1	409.1	79.8	229.8	146.2	237.8	257.5	2.1	9.8	1.1	311.6	344.0	296.7	14.9
SMDH 00152	812759.80	8194580.75	158.95	0.0	1.0	75.0	3947.5	1.9	12.1	846.4	72.4	967.2	100.2	288.6	183.7	298.7	323.5	1.6	9.3	0.9	425.7	473.1	406.3	19.5
SMDH 00152	812759.80	8194580.75	158.95	1.0	2.0	50.0	3638.1	1.9	13.0	513.1	36.5	643.5	70.1	202.0	128.6	209.0	226.3	1.7	10.2	0.9	220.9	243.5	210.0	10.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00152	812759.80	8194580.75	158.95	2.0	3.0	50.0	3648.9	2.0	12.4	646.4	15.8	410.1	56.0	161.4	102.7	167.0	180.8	1.9	9.2	1.1	202.8	211.9	198.3	4.6
SMDH 00152	812759.80	8194580.75	158.95	3.0	4.0	60.0	4741.1	2.6	16.9	698.2	52.4	661.3	100.8	290.2	184.7	300.3	325.2	2.3	13.1	1.2	273.5	306.5	258.1	15.4
SMDH 00152	812759.80	8194580.75	158.95	4.0	5.0	60.0	4188.2	2.1	13.5	777.1	44.3	1131.7	61.3	176.4	112.3	182.6	197.7	1.8	10.5	1.0	392.2	419.5	379.5	12.7
SMDH 00152	812759.80	8194580.75	158.95	5.0	6.0	70.0	4090.4	2.4	14.8	596.3	9.7	315.1	64.9	186.9	119.0	193.4	209.5	2.2	11.2	1.2	172.3	177.5	169.7	2.6
SMDH 00152	812759.80	8194580.75	158.95	6.0	7.0	70.0	4953.1	3.4	12.3	1467.8	9.8	409.5	49.1	141.5	90.1	146.4	158.6	3.1	8.0	0.9	189.4	194.4	186.5	2.9
SMDH 00152	812759.80	8194580.75	158.95	7.0	8.0	85.0	4316.3	2.4	15.1	649.0	13.5	707.5	72.6	209.2	133.2	216.5	234.4	2.1	11.4	1.3	242.2	249.8	238.6	3.7
SMDH 00152	812759.80	8194580.75	158.95	8.0	9.0	95.0	4899.3	3.0	14.8	1035.5	16.5	618.8	70.5	203.0	129.2	210.1	227.5	2.8	10.6	1.2	215.8	225.2	211.3	4.5
SMDH 00152	812759.80	8194580.75	158.95	9.0	10.0	60.0	4013.6	2.3	13.7	633.6	12.4	580.2	67.9	195.5	124.5	202.4	219.1	2.1	10.1	1.3	186.9	193.8	183.4	3.5
SMDH 00152	812759.80	8194580.75	158.95	10.0	11.0	95.0	5293.1	3.1	18.2	818.3	13.7	794.7	81.9	235.8	150.1	244.1	264.3	2.8	13.8	1.4	193.1	201.1	189.7	3.4
SMDH 00152	812759.80	8194580.75	158.95	11.0	12.0	95.0	4483.3	2.5	15.5	701.1	16.7	676.6	85.1	245.2	156.1	253.7	274.8	2.3	11.6	1.3	251.0	260.5	246.4	4.6
SMDH 00153	812635.44	8194583.93	159.13	0.0	1.0	45.0	2013.9	1.0	6.4	404.0	32.7	466.5	38.4	110.5	70.4	114.4	123.9	0.8	5.0	0.5	185.0	206.6	176.4	8.7
SMDH 00153	812635.44	8194583.93	159.13	1.0	2.0	70.0	3535.7	1.8	12.5	510.5	42.3	741.2	62.1	178.8	113.8	185.0	200.4	1.6	9.8	0.9	232.8	260.2	221.2	11.6
SMDH 00153	812635.44	8194583.93	159.13	2.0	3.0	40.0	5170.3	2.7	17.7	850.5	57.0	838.3	117.2	337.4	214.8	349.2	378.2	2.4	13.7	1.4	364.6	401.3	348.8	15.8
SMDH 00153	812635.44	8194583.93	159.13	3.0	4.0	70.0	4084.5	2.2	15.2	541.2	45.2	411.5	82.8	238.6	151.9	246.9	267.4	2.0	11.9	1.0	201.2	231.0	189.2	12.0
SMDH 00153	812635.44	8194583.93	159.13	4.0	5.0	75.0	4559.8	2.5	14.4	1020.5	37.6	401.0	75.2	216.5	137.8	224.1	242.6	2.3	10.7	1.2	286.5	310.2	276.0	10.5
SMDH 00153	812635.44	8194583.93	159.13	5.0	6.0	75.0	3848.5	2.1	12.0	897.1	36.5	348.9	62.5	180.1	114.6	186.4	201.8	1.9	8.9	1.0	266.7	290.3	256.9	9.9
SMDH 00153	812635.44	8194583.93	159.13	6.0	7.0	85.0	5445.8	3.3	16.0	1308.0	37.7	540.1	78.3	225.6	143.6	233.5	252.8	3.0	11.5	1.2	240.6	264.7	230.4	10.2
SMDH 00153	812635.44	8194583.93	159.13	7.0	8.0	95.0	4832.2	2.7	15.5	1047.1	41.0	388.8	78.8	226.9	144.4	234.8	254.3	2.5	11.7	1.1	342.3	367.7	330.6	11.7
SMDH 00153	812635.44	8194583.93	159.13	8.0	9.0	90.0	5232.7	3.0	16.4	1080.2	78.4	719.6	75.9	218.5	139.1	226.1	244.8	2.7	12.3	1.2	319.7	371.6	298.8	20.9
SMDH 00153	812635.44	8194583.93	159.13	9.0	10.0	85.0	5255.2	3.0	16.4	1142.2	68.4	631.5	81.7	235.2	149.7	243.5	263.6	2.7	12.1	1.3	332.6	378.0	314.5	18.1
SMDH 00153	812635.44	8194583.93	159.13	10.0	11.0	95.0	6609.5	3.8	21.2	1300.1	90.9	809.9	121.8	350.7	223.2	362.9	393.0	3.4	16.1	1.3	383.4	444.9	359.5	23.9
SMDH 00153	812635.44	8194583.93	159.13	11.0	12.0	90.0	5342.3	2.9	17.3	1068.9	81.0	610.8	92.0	265.0	168.7	274.3	297.0	2.7	13.1	1.3	346.9	401.5	325.7	21.2
SMDH 00153	812635.44	8194583.93	159.13	12.0	13.0	95.0	5150.0	2.8	15.5	1208.2	93.2	589.5	82.5	237.7	151.3	246.0	266.4	2.6	11.4	1.2	336.4	399.6	312.5	23.8
SMDH 00153	812635.44	8194583.93	159.13	13.0	14.0	95.0	5390.3	3.0	17.5	1065.2	78.0	694.4	88.3	254.5	162.0	263.3	285.2	2.7	13.3	1.3	340.1	392.7	319.9	20.2
SMDH 00154	814497.83	8194696.47	170.48	0.0	1.0	10.0	6442.3	3.4	24.6	742.4	57.1	900.9	210.2	605.5	385.4	626.6	678.6	3.0	20.2	1.0	372.3	409.4	356.8	15.5
SMDH 00154	814497.83	8194696.47	170.48	1.0	2.0	30.0	7871.7	5.3	28.9	609.9	51.5	755.7	330.3	951.3	605.5	984.5	1066.1	4.7	22.0	1.6	345.8	376.8	329.1	16.7
SMDH 00154	814497.83	8194696.47	170.48	2.0	3.0	50.0	8452.0	6.3	30.0	551.2	70.6	654.1	361.2	1040.3	662.2	1076.6	1165.8	5.8	22.0	1.7	261.6	306.4	239.9	21.7
SMDH 00154	814497.83	8194696.47	170.48	3.0	4.0	50.0	11693.3	9.4	32.5	2011.3	118.9	693.7	601.1	1731.1	1102.0	1791.6	1940.1	8.4	22.0	1.2	236.6	316.3	204.2	32.4
SMDH 00154	814497.83	8194696.47	170.48	4.0	5.0	98.0	11104.2	8.6	31.7	1952.5	111.1	653.7	516.8	1488.4	947.4	1540.3	1668.0	7.8	22.0	1.1	223.7	297.6	192.8	30.9
SMDH 00154	814497.83	8194696.47	170.48	5.0	6.0	95.0	11036.1	8.5	31.7	1935.6	107.1	626.0	526.0	1514.9	964.3	1567.8	1697.7	7.6	22.0	1.2	220.1	291.7	190.6	29.4
SMDH 00154	814497.83	8194696.47	170.48	6.0	7.0	80.0	10074.7	7.2	30.4	1836.3	105.9	583.5	408.1	1175.3	748.1	1216.3	1317.1	6.4	22.0	1.2	244.9	314.7	215.2	29.7
SMDH 00154	814497.83	8194696.47	170.48	7.0	8.0	98.0	5746.4	3.1	17.1	1469.8	69.8	563.7	89.8	258.6	164.6	267.6	289.8	2.8	12.7	1.3	437.3	482.1	418.0	19.3
SMDH 00154	814497.83	8194696.47	170.48	8.0	9.0	75.0	6114.0	3.4	19.3	1347.2	72.8	630.2	92.7	267.0	170.0	276.4	299.3	3.1	14.6	1.3	359.6	406.9	339.8	19.8
SMDH 00155	814379.41	8194705.93	171.66	0.0	1.0	30.0	4005.7	1.7	10.8	1050.8	44.8	1664.9	125.7	362.1	230.5	374.7	405.8	1.3	8.9	0.2	645.5	672.7	632.8	12.6
SMDH 00155	814379.41	8194705.93	171.66	1.0	2.0	40.0	4841.0	2.3	17.4	678.7	37.5	906.3	154.5	444.9	283.2	460.4	498.6	2.0	13.7	1.4	370.8	393.6	359.7	11.1
SMDH 00155	814379.41	8194705.93	171.66	2.0	3.0	40.0	5051.9	2.6	18.5	692.6	51.1	697.3	120.1	345.8	220.1	357.8	387.5	2.3	14.3	1.6	364.7	397.7	350.8	13.9
SMDH 00155	814379.41	8194705.93	171.66	3.0	4.0	75.0	5335.6	2.9	17.3	1145.8	46.3	524.6	91.2	262.8	167.3	272.0	294.5	2.6	13.1	1.3	376.6	406.1	364.1	12.6
SMDH 00155	814379.41	8194705.93	171.66	4.0	5.0	90.0	5082.0	2.8	15.7	1193.6	67.6	517.7	77.0	221.8	141.2	229.6	248.6	2.5	11.8	1.2	401.7	444.5	382.5	19.2
SMDH 00155	814379.41	8194705.93	171.66	5.0	6.0	90.0	4754.2	2.6	15.0	1041.8	56.6	456.2	79.9	230.2	146.5	238.3	258.0	2.4	11.2	1.2	324.8	360.8	308.6	16.2
SMDH 00155	814379.41	8194705.93	171.66	6.0	7.0	90.0	4267.8	2.4	13.3	955.6	37.5	492.9	65.5	188.7	120.1	195.3	211.4	2.1	9.9	1.1	275.1	298.9	264.8	10.3
SMDH 00155	814379.41	8194705.93	171.66	7.0	8.0	95.0	4086.0	2.2	12.5	979.7	41.9	467.1	63.0	181.4	115.5	187.7	203.3	2.0	9.3	1.0	336.7	362.9	324.8	11.8
SMDH 00155	814379.41	8194705.93	171.66	8.0	9.0	90.0	5323.1	3.0	16.9	1160.1	60.2	577.0	80.7	232.4	147.9	240.5	260.4	2.7	12.8	1.2	366.0	403.6	348.4	17.6
SMDH 00155	814379.41	8194705.93	171.66	9.0	10.0	75.0	5236.7	2.9	16.3	1178.1	66.3	570.1	82.5	237.6	151.2	245.8	266.2	2.6	12.1	1.2	326.3	368.5	307.4	18.9
SMDH 00155	814379.41	8194705.93	171.66	10.0	11.0	98.0	4890.7	2.8	14.7	1173.2	35.6	554.9	79.5	229.1	145.8	237.1	256.7	2.5	10.7	1.2	279.1	301.1	269.2	9.9
SMDH 00155	814379.41	8194705.93	171.66	11.0	12.0	90.0	5868.0	3.3	18.2	1314.8	72.7	680.2	87.3	251.6	160.1	260.3	281.9	3.0	13.7	1.2	382.3	428.7	361.9	20.4
SMDH 00155	814379.41	8194705.93	171.66	12.0	13.0	85.0	5253.0	3.1	15.9	1120.3	23.0	693.2	112.9	325.2	207.0	336.5	364.4	2.8	11.4	1.4	167.5	181.4	161.3	6.3
SMDH 00155	814379.41	8194705.93	171.66	13.0	14.0	90.0	5537.1	3.1	16.4	1371.2	49.8	601.0	91.2	262.8	167.3	272.0	294.5	2.8	11.9	1.3	350.5	382.2	336.9	13.6
SMDH 00155	814379.41	8194705.93	171.66	14.0	14.5	60.0	4580.4	2.5	14.1	995.9	62.0	693.0	74.4	214.1	136.3	221.6	240.0	2.3	10.5	1.0	325.9	365.3	308.3	17.6
SMDH 00155	814379.41	8194705.93	171.66	14.5	15.0	60.0	4580.4	2.5	14.1	995.9	62.0	693.0	74.4	214.1	136.3	221.6	240.0	2.3	10.5	1.0	325.9	365.3	308.3	17.6
SMDH 00156	814255.85	8194706.13	173.06	0.0	1.0	40.0	5756.0	2.7	20.0	1038.3	52.0	1648.1	56.7	163.4	104.0	169.1	183.2	2.3	16.9	0.4	631.1	662.9	615.8	15.3
SMDH 00156	814255.85	8194706.13	173.06	1.0	2.0	40.0	5237.8	2.6	19.5	758.9	49.1	841.3	74.9	215.6	137.3	223.2	241.6	2.3	15.7	1.2	407.5	438.7	393.7	13.8
SMDH 00156	814255.85	8194706.13	173.06	2.0	3.0	50.0	4319.7	2.1	13.3	986.5	69.4	686.2	81.3	234.2	149.1	242.4	262.4	1.9	9.9	1.3	424.5	468.5	404.4	20.2
SMDH 00156	814255.85	8194706.13	173.06	3.0	4.0	80.0	4251.8	2.2	13.2	939.5	66.3	664.2	71.4	205.5	130.8	212.7	230.3	1.9	9.7	1.2	353.8	396.5	335.4	18.4
SMDH 00156	814255.85	8194706.13	173.06	4.0	5.0	95.0	4423.1	2.3	13.4	1046.9	68.6	651.9	74.3	214.0	136.2	221.4	239.8	2.0	9.9	1.2	413.4	457.9	394.7	18.6
SMDH 00156	814255.85	8194706.13	173.06	5.0	6.0	80.0	4525.2	2.3	12.4	1367.0	41.2	523.7	68.0	195.8	124.6	202.6	219.4	2.1	8.8	1.2	454.6	479.5	442.6	11.9
SMDH 00156	814255.85	8194706.13	173.06	6.0	7.0	90.0	4197.8	2.1	11.1	1288.2	43.2	631.8	60.2	173.4	110.4	179.5	194.3	1.9	7.9	1.1	460.7	487.5	448.7	12.1
SMDH 00156	814255.85	8194706.13	173.06	7.0	8.0	85.0	4476.6	2.4	13.3	1121.4	38.7	582.9	73.9	212.8	135.4	220.2	238.5	2.2	9.9	1.1	378.6	402.4	367.3	11.3
SMDH 00156	814255.85	8194706.13	173.06	8.0	9.0	85.0	4440.8	2.5	13.5	1085.2	36.2	387.2	67.4	194.2	123.6	200.9	217.6	2.2	9.9	1.1	286.6	309.1	276.5	10.2
SMDH 00156	814255.85	8194706.13	173.06	9.0	10.0	95.0	4262.5	2.3	13.1	1036.7	54.5	462.0	61.3	176.6	112.4	182.8	197.9	2.0	9.7	1.1	361.8	395.5	346.0	15.9
SMDH 00156	814255.85	8194706.13	173.06	10.0	11.0	90.0	4670.4	2.6	14.9	1046.6	34.3	409.8	65.1	187.5	119.4	194.1	210.2	2.4	11.2	1.0	267.4	289.2	258.2	9.2
SMDH 00156	814255.85	8194706.13	173.06	11.0	12.0	90.0	4426.5	2.4	13.5	1076.0	45.3	483.8	58.7	169.2	107.7	175.1	189.6	2.2	9.9	1.1	314.5	343.0	301.6	12.9
SMDH 00156	814255.85	8194706.13	173.06	12.0	13.0	90.0	4371.2	2.4	13.5	1012.6	55.7	439.2	64.3	185.1	117.8	191.6	207.5	2.2	10.0	1.1	277.3	313.0	261.6	15.7
SMDH 00156	814255.85	8194706.13	173.06	13.0	14.0	80.0	5252.3	3.0	15.6	1321.5	44.0	464.4	73.0	210.1	133.8	217.5	235.5	2.8	11.4	1.2	281.8	310.0	269.5	12.3
SMDH 00156	814255.85	8194706.13	173.06	14.0	15.0	75.0	6036.2	3.5	19.1	1311.6	43.6	505.4	102.7	295.8	188.3	306.1	331.5	3.2	14.2	1.4	310.5	337.2	297.2	13.2
SMDH 00157	814138.19	8194704.67	174.13	0.0	1.0	40.0	5567.4	2.7	20.4	871.0	36.4	1303.2	55.6	160.1	101.9	165.7	179.4	2.4	17.1	0.6	510.1	531.7	499.4	10.7
SMDH 00157	814138.19	8194704.67	174.13	1.0	2.0	50.0	4070.3	1.9	13.8	749.9	39.1	743.2	80.5	231.9	147.6	240.0	259.9	1.7	10.5	1.3	384.1	408.7	373.3	10.9
SMDH 00157	814138.19	8194704.67	174.13	2.0	3.0	75.0	3346.6	1.9	11.8	402.1	9.0	664.0	81.5	234.6	149.3	242.8	262.9	1.7	8.8	1.2	82.9	87.8	80.2	2.8
SMDH 00157	814138.19	8194704.67	174.13	3.0	4.0	85.0	3758.4	2.3	10.2	1044.5	7.1	235.5	61.7	177.7	113.1	183.9	199.2	2.1	6.5	1.4	41.5	45.1	39.2	2.3
SMDH 00157	814138.19	8194704.67	174.13	4.0	5.0	85.0	3942.7	2.4	11.1	978.3	5.3	503.9	66.1	190.4	121.2	197.1	213.4	2.1	7.5	1.2	38.1	40.5	36.2	1.9
SMDH 00157	814138.19	8194704.67	174.13	5.0	6.0	75.0	3522.7	2.0	10.0	832.8	7.2	625.7	58.0	167.0	106.3	172.9	187.2	1.8	6.9	1.1	78.2	81.8	76.0	2.2
SMDH 00157	814138.19	8194704.67	174.13	6.0	7.0	85.0	4378.7	2.4	11.5	1394.4	16.3	406.1	61.8	178.1	113.4	184.3	199.6	2.1	7.9	1.2	335.7	344.5	330.7	5.0
SMDH 00157	814138.19	8194704.67	174.13	7.0	8.0	90.0	4572.3	2.7	13.3	1199.4	23.1	386.7	59.8	172.3	109.7	178.3	193.1	2.4	9.6	1.1	240.3	254.1	233.4	7.0
SMDH 00157	814138.19	8194704.67	174.13	8.0	9.0	90.0	6085.6	3.3	16.7	1802.6	27.3	858.0	97.4	280.6	178.6	290.4	314.5	2.9	12.4	1.1	605.3	620.5	596.9	8.4
SMDH 00157	814138.19	8194704.67	174.13	9.0	10.0	85.0	4657.0	2.4	12.4	1446.6	36.7	653.6	73.0	210.4	133.9	217.7	235.7	2.1	9.0	1.0	511.0	532.7	499.9	11.1
SMDH 00157	814138.19	8194704.67	174.13	10.0	11.0	95.0	4906.3	2.6	14.8	1232.3	45.8	587.2	81.8	235.7	150.0	243.9	264.2	2.4	11.1	1.1	388.4	417.0	375.0	13.4
SMDH 00157	814138.19	8194704.67	174.13	11.0	12.0	85.0	5296.4	3.0	14.6	1504.6	45.4	614.5	73.4	211.5	134.6	218.9	237.0	2.7	10.5	1.1	336.2	365.0	323.4	12.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00157	814138.19	8194704.67	174.13	12.0	13.0	75.0	5496.3	3.3	14.3	1661.3	41.4	444.3	60.6	174.6	111.1	180.7	195.7	3.0	9.7	1.3	264.7	291.2	252.9	11.7
SMDH 00157	814138.19	8194704.67	174.13	13.0	14.0	85.0	3995.8	2.1	10.3	1261.7	18.2	500.9	57.6	166.0	105.7	171.8	186.0	1.9	6.9	1.3	308.1	318.1	302.8	5.3
SMDH 00158	814017.41	8194700.77	171.56	0.0	1.0	50.0	4889.0	2.1	13.8	1304.1	55.6	1632.0	79.9	230.2	146.5	238.3	258.0	1.7	10.7	0.9	745.2	778.0	727.8	17.4
SMDH 00158	814017.41	8194700.77	171.56	1.0	2.0	30.0	5107.9	2.6	18.3	845.2	34.1	694.7	84.2	242.6	154.4	251.0	271.9	2.4	14.4	1.3	424.0	444.2	413.6	10.5
SMDH 00158	814017.41	8194700.77	171.56	2.0	3.0	50.0	4899.2	2.5	15.2	1187.8	36.9	663.2	87.7	252.7	160.8	261.5	283.2	2.2	11.4	1.2	507.8	529.3	496.8	11.0
SMDH 00158	814017.41	8194700.77	171.56	3.0	4.0	85.0	5504.3	2.9	15.0	1605.6	50.0	787.4	82.5	237.6	151.2	245.8	266.2	2.6	10.9	1.2	524.0	554.2	509.3	14.7
SMDH 00158	814017.41	8194700.77	171.56	4.0	5.0	95.0	6843.8	4.0	15.1	2598.6	30.6	654.3	76.6	220.7	140.5	228.4	247.3	3.6	10.1	1.0	478.9	496.4	469.5	9.4
SMDH 00158	814017.41	8194700.77	171.56	5.0	6.0	85.0	6682.6	3.9	16.2	2303.5	34.5	658.4	83.0	239.0	152.2	247.4	267.9	3.5	11.2	1.1	527.3	547.1	516.8	10.4
SMDH 00158	814017.41	8194700.77	171.56	6.0	7.0	80.0	7987.8	5.0	15.7	3311.5	33.0	583.0	71.4	205.5	130.8	212.7	230.3	4.5	9.7	1.0	390.1	409.9	380.4	9.7
SMDH 00158	814017.41	8194700.77	171.56	7.0	8.0	95.0	4678.4	2.6	14.3	1089.8	27.8	592.2	76.8	221.2	140.8	229.0	247.9	2.3	10.5	1.2	304.6	321.2	296.6	8.0
SMDH 00158	814017.41	8194700.77	171.56	8.0	9.0	95.0	4425.0	2.4	14.3	880.9	21.7	632.0	77.8	224.1	142.6	231.9	251.1	2.2	10.7	1.2	256.1	268.5	249.6	6.5
SMDH 00158	814017.41	8194700.77	171.56	9.0	10.0	75.0	3737.1	2.0	11.4	927.1	16.5	286.8	65.7	189.3	120.5	195.9	212.1	1.8	8.1	1.3	288.9	297.8	283.9	5.1
SMDH 00158	814017.41	8194700.77	171.56	10.0	11.0	90.0	3934.4	2.0	10.1	1203.6	23.0	790.8	52.5	151.1	96.2	156.4	169.3	1.7	6.9	1.3	402.5	415.3	395.9	6.6
SMDH 00158	814017.41	8194700.77	171.56	11.0	12.0	95.0	4682.8	2.7	14.5	980.4	10.1	647.5	87.5	252.2	160.5	261.0	282.6	2.5	10.4	1.4	177.5	182.5	174.5	2.9
SMDH 00158	814017.41	8194700.77	171.56	12.0	13.0	90.0	5116.5	2.7	15.2	1267.8	14.9	755.3	92.4	266.2	169.4	275.5	298.3	2.4	11.1	1.4	431.1	438.4	426.7	4.4
SMDH 00158	814017.41	8194700.77	171.56	13.0	14.0	95.0	4530.6	2.4	13.8	1074.7	11.8	649.5	86.4	248.8	158.4	257.5	278.8	2.2	10.1	1.2	370.6	376.5	367.4	3.2
SMDH 00158	814017.41	8194700.77	171.56	14.0	15.0	90.0	3276.1	1.7	9.5	787.4	11.7	664.4	50.5	145.5	92.6	150.5	163.0	1.5	6.6	1.2	234.6	240.6	231.0	3.5
SMDH 00158	814017.41	8194700.77	171.56	15.0	16.0	85.0	5054.9	2.6	14.6	1352.4	20.6	774.9	96.0	276.6	176.1	286.3	310.0	2.3	10.7	1.3	565.4	576.0	559.0	6.4
SMDH 00159	813902.74	8194701.44	170.57	0.0	1.0	30.0	4098.1	1.2	6.0	1916.8	95.1	2406.5	36.7	105.6	67.2	109.3	118.4	0.7	4.4	0.5	1207.6	1265.8	1179.9	27.7
SMDH 00159	813902.74	8194701.44	170.57	1.0	2.0	50.0	4087.9	1.9	12.6	1053.0	58.6	520.9	69.6	200.6	127.7	207.6	224.8	1.6	9.5	1.3	558.4	594.0	540.6	17.8
SMDH 00159	813902.74	8194701.44	170.57	2.0	3.0	40.0	3418.9	1.5	9.2	1054.0	66.7	641.5	46.2	133.1	84.7	137.8	149.2	1.3	6.8	0.9	518.3	560.2	499.4	18.9
SMDH 00159	813902.74	8194701.44	170.57	3.0	4.0	65.0	4147.3	1.9	10.7	1382.7	68.7	701.4	61.4	177.0	112.6	183.1	198.3	1.6	8.0	0.9	677.9	721.1	658.3	19.7
SMDH 00159	813902.74	8194701.44	170.57	4.0	5.0	80.0	3582.3	2.0	9.7	1027.9	13.7	417.1	52.3	150.7	95.9	155.9	168.8	1.8	6.5	1.2	225.9	233.0	221.9	4.0
SMDH 00159	813902.74	8194701.44	170.57	5.0	6.0	90.0	3868.4	1.8	10.5	1139.1	47.7	848.1	62.4	179.7	114.4	186.0	201.4	1.5	7.9	0.8	566.7	595.0	552.0	14.7
SMDH 00159	813902.74	8194701.44	170.57	6.0	7.0	75.0	3980.4	1.9	10.9	1223.3	54.0	699.2	60.8	175.3	111.6	181.4	196.4	1.6	8.1	0.9	613.4	645.5	597.0	16.4
SMDH 00159	813902.74	8194701.44	170.57	7.0	8.0	98.0	4605.7	2.3	13.4	1239.7	40.3	719.7	82.5	237.7	151.3	246.0	266.4	2.0	10.0	1.1	578.7	602.3	566.7	12.1
SMDH 00159	813902.74	8194701.44	170.57	8.0	9.0	98.0	4774.1	2.7	13.8	1233.2	22.1	564.0	82.7	238.3	151.7	246.6	267.0	2.4	9.8	1.3	322.5	335.1	316.0	6.5
SMDH 00159	813902.74	8194701.44	170.57	9.0	10.0	60.0	4016.8	1.9	11.5	1135.9	51.1	712.2	65.7	189.2	120.4	195.8	212.0	1.6	8.8	0.9	584.2	615.3	569.0	15.3
SMDH 00159	813902.74	8194701.44	170.57	10.0	11.0	90.0	4544.9	2.4	11.4	1531.0	38.4	621.4	60.8	175.3	111.6	181.4	196.4	2.1	8.1	0.9	513.3	535.7	501.3	12.0
SMDH 00159	813902.74	8194701.44	170.57	11.0	12.0	98.0	6247.8	3.3	18.8	1590.7	58.4	802.1	103.1	296.9	189.0	307.3	332.7	2.9	14.2	1.3	640.6	675.7	622.9	17.8
SMDH 00159	813902.74	8194701.44	170.57	12.0	13.0	70.0	4464.3	2.2	12.3	1355.8	54.3	657.1	62.6	180.3	114.8	186.6	202.0	1.9	9.2	0.9	593.0	625.4	576.8	16.2
SMDH 00159	813902.74	8194701.44	170.57	13.0	14.0	70.0	5896.5	3.3	16.4	1605.6	30.0	774.9	98.4	283.3	180.3	293.2	317.5	2.9	11.5	1.6	426.4	444.2	417.9	8.5
SMDH 00159	813902.74	8194701.44	170.57	14.0	15.0	95.0	4920.1	2.6	14.2	1166.6	28.8	1252.7	85.6	246.7	157.0	255.3	276.4	2.2	10.5	1.1	468.1	485.0	459.8	8.3
SMDH 00159	813902.74	8194701.44	170.57	15.0	16.0	95.0	4741.1	2.4	13.5	1305.0	38.1	721.0	79.7	229.5	146.1	237.5	257.1	2.1	9.9	1.2	545.8	568.9	535.4	10.4
SMDH 00160	813778.76	8194707.86	167.79	0.0	1.0	30.0	2410.7	1.0	6.9	615.2	37.5	846.7	42.5	122.4	77.9	126.6	137.1	0.8	5.6	0.3	360.1	383.2	348.9	11.2
SMDH 00160	813778.76	8194707.86	167.79	1.0	2.0	40.0	3715.9	1.6	11.7	830.4	49.7	940.2	69.6	200.6	127.7	207.6	224.8	1.4	9.1	0.9	481.8	512.6	467.1	14.7
SMDH 00160	813778.76	8194707.86	167.79	2.0	3.0	70.0	5255.8	2.8	13.8	1689.7	46.3	516.1	66.1	190.4	121.2	197.1	213.4	2.5	9.8	1.1	478.5	506.7	464.7	13.8
SMDH 00160	813778.76	8194707.86	167.79	3.0	4.0	90.0	4800.2	2.8	12.3	1492.3	25.8	516.4	59.8	172.4	109.7	178.4	193.2	2.5	8.4	1.1	290.8	305.9	283.1	7.7
SMDH 00160	813778.76	8194707.86	167.79	4.0	5.0	75.0	5179.0	3.0	12.7	1714.4	27.9	549.3	67.6	194.7	123.9	201.5	218.2	2.7	8.6	1.1	422.4	438.6	414.2	8.1
SMDH 00160	813778.76	8194707.86	167.79	5.0	6.0	85.0	7307.5	3.9	21.7	2091.9	47.1	627.8	85.7	246.8	157.1	255.4	276.6	3.5	16.7	1.1	781.2	811.3	769.5	11.7
SMDH 00160	813778.76	8194707.86	167.79	6.0	7.0	85.0	4764.7	2.5	14.0	1215.7	25.2	773.8	83.5	240.4	153.1	248.8	269.5	2.2	10.4	1.2	458.2	472.7	450.7	7.5
SMDH 00160	813778.76	8194707.86	167.79	7.0	8.0	98.0	4036.9	1.9	11.3	1213.8	27.7	624.8	65.4	188.3	119.9	194.9	211.0	1.6	8.3	1.1	548.9	565.0	541.2	7.7
SMDH 00160	813778.76	8194707.86	167.79	8.0	9.0	85.0	4180.3	2.0	11.5	1314.9	40.1	566.2	65.6	188.8	120.2	195.4	211.6	1.7	8.4	1.1	567.0	590.8	555.3	11.7
SMDH 00160	813778.76	8194707.86	167.79	9.0	10.0	50.0	3792.5	1.8	10.6	1143.4	35.0	540.8	59.8	172.4	109.7	178.4	193.2	1.5	7.7	1.1	517.1	538.0	507.1	10.0
SMDH 00161	813661.64	8194706.40	166.05	0.0	1.0	40.0	3935.9	1.7	11.2	912.3	72.5	1627.0	72.4	208.5	132.7	215.8	233.7	1.3	8.8	0.7	533.9	580.5	513.9	20.1
SMDH 00161	813661.64	8194706.40	166.05	1.0	2.0	70.0	5583.8	2.6	20.4	878.3	53.6	994.4	92.9	267.6	170.3	276.9	299.9	2.3	16.4	1.3	517.6	550.3	501.7	15.9
SMDH 00161	813661.64	8194706.40	166.05	2.0	3.0	75.0	4356.7	2.0	15.6	739.9	39.2	642.1	90.5	260.7	165.9	269.8	292.1	1.8	12.3	1.3	429.3	453.6	418.0	11.2
SMDH 00161	813661.64	8194706.40	166.05	3.0	4.0	75.0	4554.0	2.1	15.7	888.9	74.8	602.2	82.3	237.1	151.0	245.4	265.8	1.9	12.3	1.3	463.1	511.6	442.7	20.4
SMDH 00161	813661.64	8194706.40	166.05	4.0	5.0	90.0	4971.9	2.5	15.2	1270.6	48.6	579.1	79.2	228.2	145.3	236.2	255.8	2.2	11.5	1.2	428.0	458.6	414.4	13.6
SMDH 00161	813661.64	8194706.40	166.05	5.0	6.0	85.0	5480.2	2.7	16.9	1392.5	64.3	665.0	86.8	250.0	159.2	258.8	280.2	2.4	12.9	1.3	556.5	597.1	538.3	18.2
SMDH 00161	813661.64	8194706.40	166.05	6.0	7.0	80.0	5716.0	3.0	16.7	1441.9	54.8	1023.3	104.2	300.0	191.0	310.5	336.2	2.6	12.5	1.2	430.7	465.2	415.1	15.6
SMDH 00161	813661.64	8194706.40	166.05	7.0	8.0	95.0	4666.7	2.5	15.2	1031.7	38.7	376.8	77.0	221.8	141.2	229.6	248.6	2.3	11.4	1.2	309.1	333.4	298.1	11.0
SMDH 00161	813661.64	8194706.40	166.05	8.0	9.0	60.0	4786.8	2.4	15.4	1017.7	53.1	836.3	79.6	229.3	145.9	237.3	256.9	2.1	11.9	1.1	435.6	470.0	421.1	14.6
SMDH 00161	813661.64	8194706.40	166.05	9.0	10.0	80.0	4947.3	2.5	15.3	1154.8	63.9	872.9	71.8	206.9	131.7	214.2	231.9	2.2	11.7	1.1	489.9	530.2	471.1	18.8
SMDH 00161	813661.64	8194706.40	166.05	10.0	11.0	95.0	5409.9	2.6	16.0	1428.8	71.8	903.7	84.2	242.6	154.4	251.0	271.9	2.3	12.3	1.1	628.5	674.2	608.2	20.4
SMDH 00161	813661.64	8194706.40	166.05	11.0	12.0	95.0	6882.4	3.4	22.5	1577.3	63.8	912.4	95.1	274.0	174.4	283.5	307.0	3.1	17.9	1.2	700.9	740.1	682.1	18.8
SMDH 00161	813661.64	8194706.40	166.05	12.0	12.5	75.0	5065.4	2.6	15.0	1299.1	47.9	875.7	72.2	208.0	132.4	215.3	233.1	2.3	11.3	1.1	473.2	503.4	459.7	13.5
SMDH 00161	813661.64	8194706.40	166.05	12.5	13.0	75.0	5065.4	2.6	15.0	1299.1	47.9	875.7	72.2	208.0	132.4	215.3	233.1	2.3	11.3	1.1	473.2	503.4	459.7	13.5
SMDH 00162	813538.09	8194704.09	164.56	0.0	1.0	25.0	3252.0	1.2	6.9	921.7	49.8	2211.1	56.6	163.0	103.7	168.6	182.6	0.9	5.2	0.5	530.6	561.2	516.1	14.5
SMDH 00162	813538.09	8194704.09	164.56	1.0	2.0	30.0	5992.9	3.2	16.3	1691.2	49.4	1039.8	99.4	286.3	182.2	296.3	320.8	2.8	11.6	1.5	492.5	523.1	478.7	13.8
SMDH 00162	813538.09	8194704.09	164.56	2.0	3.0	50.0	6271.6	3.7	12.9	2429.7	32.5	891.3	69.6	200.3	127.5	207.3	224.5	3.3	8.2	1.0	438.8	458.1	429.5	9.3
SMDH 00162	813538.09	8194704.09	164.56	3.0	4.0	60.0	4680.0	2.4	13.0	1327.8	56.9	781.2	74.8	215.4	137.1	222.9	241.4	2.1	9.6	1.1	496.0	531.0	479.5	16.6
SMDH 00162	813538.09	8194704.09	164.56	4.0	5.0	70.0	5684.5	3.1	13.8	1942.1	63.9	782.8	73.7	212.3	135.1	219.7	237.9	2.7	9.7	1.0	486.9	527.7	469.0	17.9
SMDH 00162	813538.09	8194704.09	164.56	5.0	6.0	60.0	5550.7	2.8	15.4	1562.7	73.9	978.7	84.9	244.4	155.6	252.9	273.9	2.5	11.4	1.1	546.4	593.2	525.5	20.9
SMDH 00162	813538.09	8194704.09	164.56	6.0	7.0	60.0	5043.1	2.5	15.1	1300.9	59.7	689.9	87.2	251.1	159.8	259.9	281.4	2.2	11.3	1.3	543.6	579.5	524.8	18.8
SMDH 00162	813538.09	8194704.09	164.56	7.0	8.0	80.0	3791.5	1.8	10.7	1040.0	71.8	632.0	64.1	184.7	117.6	191.2	207.0	1.6	7.9	1.0	448.5	493.6	427.4	21.1
SMDH 00162	813538.09	8194704.09	164.56	8.0	9.0	85.0	4226.2	2.2	11.4	1227.9	72.1	630.5	66.4	191.3	121.8	197.9	214.4	1.9	8.2	1.0	436.1	481.5	414.9	21.2
SMDH 00162	813538.09	8194704.09	164.56	9.0	10.0	60.0	3852.8	1.9	10.4	1191.3	53.2	546.5	59.8	172.3	109.7	178.3	193.1	1.6	7.4	1.1	488.6	521.1	473.2	15.5
SMDH 00162	813538.09	8194704.09	164.56	10.0	11.0	90.0	4578.4	2.3	13.2	1225.1	67.9	660.7	78.8	227.0	144.5	235.0	254.4	2.0	9.7	1.1	464.7	506.2	444.3	20.4
SMDH 00162	813538.09	8194704.09	164.56	11.0	12.0	70.0	6121.0	3.5	14.4	2177.8	58.6	545.8	67.2	193.5	123.2	200.3	216.9	3.2	9.6	1.2	369.2	405.4	351.6	17.6
SMDH 00162	813538.09	8194704.09	164.56	12.0	13.0	50.0	3765.8	1.8	12.0	823.7	59.1	602.2	58.6	168.8	107.4	174.6	189.1	1.6	9.1	1.1	364.5	400.9	346.9	17.6
SMDH 00162	813538.09	8194704.09	164.56	13.0	14.0	60.0	4571.3	2.4	13.7	1169.6	56.3	495.9	65.3	188.1	119.8	194.7	210.8	2.2	10.1	1.1	366.7	401.6	350.0	16.7
SMDH 00162	813538.09	8194704.09	164.56	14.0	15.0	95.0	6417.7	3.8	16.8	1913.2	71.1	716.7	82.7	238.1	151.6	246.5	266.9	3.4	12.0	1.0	455.8	499.8	434.3	21.5
SMDH 00162	813538.09	8194704.09	164.56	15.0	16.0	70.0	5646.3	3.1	17.2	1351.9	64.4	544.9	98.0	282.2	179.7	292.1	316.3	2.8	12.7	1.4	427.5	467.7	408.5	19.0
SMDH 00163	813415.21	8194700.03	163.27	0.0	1.0	40.0	4262.9	1.7	11.0	1162.0	71.7	1938.4	57.9	166.7	106.1	172.6	186.9	1.3	8.7	0.7	675.3	720.0	654.6	20.7
SMDH 00163	813415.21	8194700.03	163.27	1.0	2.0	60.0	8436.3	5.1	17.3	3407.6	62.5	696.5	70.8	203.9	129.8	211.0	228.5	4.6	11.1	1.0	439.1	479.8	422.4	16.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00163	813415.21	8194700.03	163.27	2.0	3.0	50.0	10761.4	8.3	14.1	5232.2	22.9	267.5	29.0	83.6	53.2	86.6	93.7	7.7	5.5	0.4	161.1	174.8	155.3	5.8
SMDH 00163	813415.21	8194700.03	163.27	3.0	4.0	90.0	5465.5	2.9	16.5	1387.6	36.4	710.8	92.5	266.3	169.5	275.6	298.4	2.6	12.5	1.1	549.9	571.7	539.5	10.4
SMDH 00163	813415.21	8194700.03	163.27	4.0	5.0	95.0	5429.4	3.0	17.9	1136.5	42.9	538.7	86.7	249.8	159.0	258.6	280.0	2.7	13.7	1.2	409.8	436.7	397.9	11.9
SMDH 00163	813415.21	8194700.03	163.27	5.0	6.0	90.0	5483.0	2.8	16.9	1325.7	61.8	740.3	95.3	274.5	174.7	284.1	307.6	2.5	12.9	1.2	553.6	592.3	536.4	17.3
SMDH 00163	813415.21	8194700.03	163.27	6.0	7.0	95.0	6223.9	3.3	21.3	1183.7	99.8	655.2	103.7	298.6	190.0	309.0	334.6	3.0	16.7	1.2	461.3	525.2	432.9	28.3
SMDH 00163	813415.21	8194700.03	163.27	7.0	8.0	90.0	6186.2	3.4	18.8	1515.1	64.0	847.2	86.8	250.0	159.2	258.8	280.2	3.0	14.3	1.1	472.9	514.0	455.4	17.6
SMDH 00163	813415.21	8194700.03	163.27	8.0	9.0	85.0	4737.2	2.6	13.3	1295.7	53.3	630.9	71.7	206.4	131.4	213.6	231.3	2.3	9.6	1.0	291.7	326.1	277.2	14.5
SMDH 00163	813415.21	8194700.03	163.27	9.0	10.0	95.0	4469.0	2.3	13.3	1069.3	55.3	771.4	74.3	213.9	136.1	221.3	239.7	2.0	9.9	1.2	367.9	403.0	352.3	15.7
SMDH 00163	813415.21	8194700.03	163.27	10.0	11.0	85.0	5089.3	2.7	14.7	1320.3	59.2	767.3	82.6	237.8	151.4	246.1	266.5	2.4	10.8	1.2	421.7	459.9	405.6	16.0
SMDH 00163	813415.21	8194700.03	163.27	11.0	12.0	85.0	5191.2	2.8	15.4	1293.1	65.7	711.7	78.5	226.1	143.9	234.0	253.4	2.5	11.4	1.2	410.0	452.7	392.4	17.6
SMDH 00163	813415.21	8194700.03	163.27	12.0	13.0	95.0	3402.0	1.7	10.4	840.5	44.7	494.0	53.7	154.8	98.5	160.2	173.5	1.5	7.7	1.0	307.5	336.0	295.1	12.4
SMDH 00163	813415.21	8194700.03	163.27	13.0	14.0	85.0	4280.0	2.2	13.7	958.1	60.4	540.8	69.1	199.0	126.6	205.9	223.0	1.9	10.4	1.2	348.5	387.1	331.7	16.8
SMDH 00163	813415.21	8194700.03	163.27	14.0	15.0	85.0	4672.8	2.4	14.4	1071.2	65.4	724.9	72.6	209.1	133.1	216.4	234.3	2.2	10.7	1.2	394.3	436.0	376.0	18.3
SMDH 00164	813289.44	8194707.11	161.33	0.0	1.0	10.0	5250.7	2.4	16.8	1073.1	58.0	1354.1	100.1	288.2	183.5	298.3	323.0	2.1	13.1	1.3	586.7	621.6	568.9	17.8
SMDH 00164	813289.44	8194707.11	161.33	1.0	2.0	50.0	5288.5	2.9	15.7	1304.9	49.2	673.9	76.7	221.0	140.7	228.7	247.7	2.6	11.5	1.3	417.0	446.9	402.0	15.0
SMDH 00164	813289.44	8194707.11	161.33	2.0	3.0	20.0	6919.4	4.7	16.6	2196.3	51.0	471.5	56.3	162.0	103.1	167.7	181.6	4.4	10.9	1.0	325.9	356.7	310.6	15.3
SMDH 00164	813289.44	8194707.11	161.33	3.0	4.0	30.0	6046.0	4.1	16.7	1558.7	32.9	326.8	61.5	177.1	112.7	183.3	198.5	3.8	11.3	1.3	210.6	231.1	201.0	9.7
SMDH 00164	813289.44	8194707.11	161.33	4.0	5.0	30.0	5932.2	3.5	18.6	1220.5	52.7	600.4	81.3	234.2	149.1	242.4	262.4	3.3	13.5	1.6	345.1	378.1	329.7	15.3
SMDH 00164	813289.44	8194707.11	161.33	5.0	6.0	80.0	4605.8	2.8	13.9	1031.1	23.6	346.4	58.6	168.8	107.5	174.7	189.2	2.6	9.5	1.7	191.9	205.8	184.9	7.0
SMDH 00164	813289.44	8194707.11	161.33	6.0	7.0	60.0	5015.9	2.8	16.3	1047.9	49.5	431.3	76.7	220.9	140.6	228.7	247.6	2.5	12.0	1.6	371.9	402.4	357.5	14.4
SMDH 00164	813289.44	8194707.11	161.33	7.0	8.0	100.0	4974.3	2.8	16.9	891.9	41.1	409.1	89.6	258.2	164.3	267.2	289.3	2.6	12.5	1.6	306.2	331.5	294.0	12.3
SMDH 00164	813289.44	8194707.11	161.33	8.0	9.0	100.0	4682.2	2.5	16.9	724.9	40.7	395.0	81.3	234.2	149.1	242.4	262.4	2.2	12.8	1.7	344.8	370.1	333.0	11.8
SMDH 00164	813289.44	8194707.11	161.33	9.0	10.0	80.0	4959.5	2.6	17.5	896.6	28.3	410.2	78.4	225.9	143.8	233.8	253.2	2.3	13.2	1.7	444.3	460.7	436.0	8.3
SMDH 00164	813289.44	8194707.11	161.33	10.0	11.0	70.0	5089.5	2.7	16.6	1084.8	33.3	385.7	81.9	235.8	150.1	244.1	264.3	2.5	12.2	1.7	397.1	416.2	386.7	10.3
SMDH 00164	813289.44	8194707.11	161.33	11.0	12.0	100.0	5477.0	3.1	19.3	857.7	41.5	574.2	94.5	272.2	173.3	281.8	305.1	2.8	14.7	1.6	342.1	368.0	330.3	11.8
SMDH 00164	813289.44	8194707.11	161.33	12.0	13.0	90.0	5989.9	3.2	20.5	1111.4	66.0	641.3	96.6	278.3	177.1	288.0	311.9	2.9	15.7	1.6	483.8	525.9	465.3	18.6
SMDH 00164	813289.44	8194707.11	161.33	13.0	14.0	100.0	5751.5	3.1	19.5	1059.9	86.9	664.6	95.0	273.5	174.1	283.0	306.5	2.8	14.9	1.5	448.7	504.0	423.8	24.9
SMDH 00164	813289.44	8194707.11	161.33	14.0	15.0	60.0	6392.4	3.2	20.5	1466.1	119.5	662.8	100.7	290.2	184.7	300.3	325.2	2.9	15.7	1.6	650.6	725.4	615.0	35.6
SMDH 00165	813177.19	8194700.28	161.78	0.0	1.0	40.0	4132.8	1.5	10.0	1382.9	68.4	1679.1	45.3	130.3	83.0	134.9	146.1	1.2	7.9	0.6	864.4	905.5	844.0	20.4
SMDH 00165	813177.19	8194700.28	161.78	1.0	2.0	50.0	4104.3	2.0	15.1	569.0	28.3	734.5	61.1	175.8	111.9	182.0	197.1	1.8	11.8	1.2	293.6	310.9	285.3	8.3
SMDH 00165	813177.19	8194700.28	161.78	2.0	3.0	70.0	6423.5	3.9	18.0	1772.1	23.7	618.5	61.8	177.9	113.3	184.1	199.4	3.6	13.0	1.1	244.1	258.0	237.2	6.9
SMDH 00165	813177.19	8194700.28	161.78	3.0	4.0	80.0	5099.8	2.8	17.7	839.3	38.6	753.9	70.4	202.7	129.1	209.8	227.2	2.5	13.6	1.3	334.8	357.9	323.1	11.7
SMDH 00165	813177.19	8194700.28	161.78	4.0	5.0	85.0	4996.5	2.7	18.1	712.1	29.0	645.1	76.9	221.4	140.9	229.1	248.1	2.5	14.0	1.4	263.7	281.4	255.4	8.3
SMDH 00165	813177.19	8194700.28	161.78	5.0	6.0	90.0	4280.1	2.4	12.9	993.2	21.4	556.4	60.5	174.3	111.0	180.4	195.3	2.2	9.2	1.3	204.6	217.7	198.9	5.7
SMDH 00165	813177.19	8194700.28	161.78	6.0	7.0	85.0	4081.1	2.3	13.5	726.2	16.8	532.2	62.3	179.5	114.2	185.7	201.1	2.1	9.9	1.3	94.6	104.4	89.8	4.8
SMDH 00165	813177.19	8194700.28	161.78	7.0	8.0	95.0	4136.2	2.4	12.5	977.1	35.3	336.6	60.9	175.3	111.6	181.4	196.5	2.2	8.8	1.3	137.0	159.4	127.4	9.6
SMDH 00165	813177.19	8194700.28	161.78	8.0	9.0	85.0	3502.0	1.9	10.1	918.3	39.9	334.2	47.6	137.1	87.3	141.9	153.6	1.7	6.9	1.2	167.1	192.2	156.2	10.9
SMDH 00166	813057.00	8194698.76	161.63	0.0	1.0	30.0	3709.8	1.5	9.8	1216.6	58.6	1050.3	42.0	121.1	77.1	125.3	135.7	1.2	7.8	0.6	721.9	757.8	704.7	17.2
SMDH 00166	813057.00	8194698.76	161.63	1.0	2.0	80.0	4342.5	2.3	12.6	1202.5	23.8	399.1	51.2	147.4	93.8	152.6	165.2	2.1	9.0	1.3	275.1	289.3	268.2	6.9
SMDH 00166	813057.00	8194698.76	161.63	2.0	3.0	75.0	6409.1	4.0	15.6	1937.0	34.5	1093.4	70.0	201.7	128.4	208.8	226.1	3.6	10.5	1.1	223.1	244.8	213.6	9.6
SMDH 00166	813057.00	8194698.76	161.63	3.0	4.0	80.0	5152.6	3.1	16.8	996.9	48.1	387.6	96.1	276.7	176.1	286.3	310.1	2.8	12.5	1.2	164.9	197.2	152.1	12.8
SMDH 00166	813057.00	8194698.76	161.63	4.0	5.0	90.0	3923.0	2.1	13.2	761.9	22.1	397.7	65.0	187.3	119.2	193.8	209.8	1.9	10.0	1.1	245.8	259.1	239.6	6.2
SMDH 00166	813057.00	8194698.76	161.63	5.0	6.0	95.0	3055.3	1.7	10.2	610.1	20.0	264.2	53.5	154.2	98.1	159.5	172.8	1.6	7.7	0.7	144.5	157.0	139.0	5.5
SMDH 00166	813057.00	8194698.76	161.63	6.0	7.0	85.0	5277.5	2.9	16.9	1080.5	40.2	790.7	83.6	240.7	153.2	249.1	269.8	2.6	12.8	1.2	299.1	324.9	288.1	11.0
SMDH 00166	813057.00	8194698.76	161.63	7.0	8.0	85.0	5129.0	2.9	16.4	1097.0	33.2	491.7	90.5	260.7	165.9	269.8	292.1	2.6	12.2	1.3	244.6	265.6	235.5	9.0
SMDH 00166	813057.00	8194698.76	161.63	8.0	9.0	85.0	5838.7	3.0	19.4	1272.0	99.9	485.6	75.2	216.5	137.8	224.1	242.6	2.7	15.0	1.5	508.3	572.8	480.3	27.9
SMDH 00166	813057.00	8194698.76	161.63	9.0	10.0	80.0	5617.2	2.8	20.5	909.8	83.7	541.8	86.6	249.5	158.8	258.2	279.6	2.5	16.0	1.7	455.0	508.0	430.8	24.2
SMDH 00166	813057.00	8194698.76	161.63	10.0	11.0	90.0	4869.1	2.5	16.2	1013.5	53.9	438.2	84.6	243.6	155.1	252.1	273.0	2.3	12.2	1.4	342.6	376.9	327.4	15.2
SMDH 00166	813057.00	8194698.76	161.63	11.0	12.0	90.0	5682.8	2.9	20.0	1024.2	75.8	487.1	102.1	294.2	187.3	304.4	329.7	2.6	15.5	1.6	465.7	514.4	444.4	21.2
SMDH 00166	813057.00	8194698.76	161.63	12.0	13.0	75.0	5784.2	2.9	21.2	893.0	76.6	622.6	100.1	288.3	183.5	298.4	323.1	2.6	16.7	1.6	468.2	517.1	446.6	21.6
SMDH 00166	813057.00	8194698.76	161.63	13.0	14.0	90.0	5783.8	2.9	20.8	1004.5	91.3	493.0	92.5	266.5	169.7	275.8	298.7	2.6	16.2	1.6	471.9	530.3	445.7	26.1
SMDH 00166	813057.00	8194698.76	161.63	14.0	15.0	95.0	7441.1	4.0	27.5	1073.5	158.8	713.8	96.2	277.2	176.4	286.8	310.6	3.7	22.0	1.5	425.0	530.0	381.5	43.4
SMDH 00166	813057.00	8194698.76	161.63	15.0	16.0	80.0	5547.6	3.1	18.5	1104.8	69.4	473.1	70.8	204.0	129.8	211.1	228.6	2.8	14.0	1.4	311.7	355.5	291.4	20.3
SMDH 00166	813057.00	8194698.76	161.63	16.0	17.0	90.0	5912.1	3.0	19.8	1209.0	75.2	742.4	95.4	274.9	175.0	284.4	308.0	2.6	15.3	1.5	551.8	598.2	529.2	22.6
SMDH 00166	813057.00	8194698.76	161.63	17.0	18.0	95.0	5410.4	2.6	15.8	1563.3	40.1	664.0	76.6	220.6	140.4	228.3	247.2	2.3	11.9	1.2	687.5	710.9	675.6	11.9
SMDH 00166	813057.00	8194698.76	161.63	18.0	19.0	90.0	5317.1	2.9	14.5	1617.3	35.4	512.3	67.2	193.5	123.1	200.2	216.8	2.6	10.5	1.1	500.5	522.0	490.2	10.3
SMDH 00167	812936.74	8194703.36	159.84	0.0	1.0	60.0	3413.2	1.6	12.1	599.2	42.1	595.5	42.9	123.6	78.7	127.9	138.5	1.5	9.7	0.8	300.3	327.2	288.6	11.7
SMDH 00167	812936.74	8194703.36	159.84	1.0	2.0	70.0	5333.4	2.6	18.8	962.7	66.5	632.7	72.4	208.5	132.7	215.8	233.7	2.4	14.6	1.5	387.1	429.0	368.0	19.1
SMDH 00167	812936.74	8194703.36	159.84	2.0	3.0	75.0	5158.5	2.6	18.7	831.0	78.9	576.5	72.9	210.0	133.7	217.3	235.4	2.4	14.6	1.5	347.5	398.6	325.6	21.8
SMDH 00167	812936.74	8194703.36	159.84	3.0	4.0	70.0	8080.8	5.4	16.9	3091.8	60.1	311.0	59.0	169.8	108.1	175.7	190.3	5.0	10.4	1.1	237.1	276.2	220.8	16.2
SMDH 00167	812936.74	8194703.36	159.84	4.0	5.0	75.0	5724.9	3.1	19.3	1115.9	75.4	435.8	87.9	253.2	161.2	262.1	283.8	2.9	14.7	1.5	315.8	364.6	294.6	21.2
SMDH 00167	812936.74	8194703.36	159.84	5.0	6.0	60.0	5723.3	3.0	22.5	705.6	74.0	380.1	72.2	208.0	132.4	215.3	233.1	2.8	18.2	1.3	271.0	320.2	251.2	19.8
SMDH 00167	812936.74	8194703.36	159.84	6.0	7.0	80.0	6285.1	3.3	23.6	900.7	89.8	562.2	96.6	278.3	177.2	288.1	311.9	3.0	18.7	1.6	383.9	442.7	359.0	24.9
SMDH 00167	812936.74	8194703.36	159.84	7.0	8.0	85.0	4451.0	2.2	15.6	717.2	74.0	753.8	64.2	184.9	117.7	191.3	207.2	2.0	12.2	1.2	306.0	354.3	285.6	20.4
SMDH 00167	812936.74	8194703.36	159.84	8.0	9.0	70.0	6031.9	3.1	22.3	907.9	106.5	551.5	83.9	241.7	153.8	250.1	270.9	2.9	17.7	1.5	358.0	429.3	329.2	28.8
SMDH 00167	812936.74	8194703.36	159.84	9.0	10.0	80.0	5274.4	2.7	20.2	689.6	79.3	499.3	83.6	240.7	153.2	249.1	269.7	2.4	16.0	1.5	335.5	386.6	313.2	22.3
SMDH 00167	812936.74	8194703.36	159.84	10.0	11.0	85.0	6536.6	3.4	25.2	826.9	92.0	555.2	106.9	308.0	196.1	318.8	345.2	3.1	20.0	1.9	397.5	457.1	371.5	26.0
SMDH 00167	812936.74	8194703.36	159.84	11.0	12.0	90.0	3893.4	1.9	13.5	582.8	47.9	992.1	78.7	226.6	144.3	234.5	254.0	1.6	10.6	1.1	324.8	355.2	311.3	13.5
SMDH 00167	812936.74	8194703.36	159.84	12.0	13.0	90.0	4113.8	2.0	14.5	598.2	64.0	818.1	78.6	226.3	144.0	234.2	253.6	1.8	11.2	1.3	303.2	343.6	284.4	18.8
SMDH 00167	812936.74	8194703.36	159.84	13.0	14.0	90.0	4172.9	2.1	14.1	761.7	72.3	684.1	64.3	185.3	118.0	191.8	207.7	1.8	10.8	1.2	333.9	380.1	313.0	20.9
SMDH 00167	812936.74	8194703.36	159.84	14.0	15.0	95.0	3956.3	1.9	13.2	721.0	76.6	794.3	67.4	194.1	123.6	200.9	217.5	1.6	10.2	1.1	350.6	400.6	329.4	21.2
SMDH 00167	812936.74	8194703.36	159.84	15.0	16.0	90.0	4123.0	2.0	13.8	747.0	67.3	800.9	78.7	226.7	144.3	234.7	254.1	1.7	10.5	1.2	361.0	404.5	342.2	18.7
SMDH 00167	812936.74	8194703.36	159.84	16.0	17.0	95.0	4378.1	2.3	13.5	1058.5	24.3	417.9	68.8	198.0	126.0	204.9	221.9	2.1	9.8	1.4	335.0	349.9	328.6	6.4
SMDH 00167	812936.74	8194703.36	159.84	17.0	18.0	95.0	3332.5	1.7	9.5	983.3	18.8	144.5	41.7	120.0	76.4	124.2	134.5	1.5	6.4	1.4	319.3	330.3	314.1	5.2
SMDH 00167	812936.74	8194703.36	159.84	18.0	19.0	95.0	2765.7	1.3	7.5	925.3	16.1	113.1	23.4	67.3	42.9	69.7	75.4	1.2	5.0	1.2	328.9	338.1	324.6	4.3
SMDH 00167	812936.74	8194703.36	159.84	19.0	20.0	90.0	4830.8	2.4	16.9	832.6	64.9	610.3	80.5	231.8	147.5	239.9	259.7	2.2	13.0	1.4	402.0	442.4	382.7	19.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00167	812936.74	8194703.36	159.84	20.0	21.0	98.0	5254.9	2.7	19.0	821.1	70.8	445.9	100.9	290.7	185.0	300.8	325.8	2.4	14.5	1.8	399.2	443.9	378.6	20.6
SMDH 00167	812936.74	8194703.36	159.84	21.0	22.0	85.0	6478.8	3.3	23.4	1031.9	100.1	626.9	113.3	326.3	207.7	337.7	365.7	3.0	18.4	1.7	539.8	604.3	512.2	27.6
SMDH 00167	812936.74	8194703.36	159.84	22.0	23.0	80.0	6550.2	3.4	23.8	1123.3	92.6	619.9	80.4	231.7	147.5	239.8	259.7	3.1	19.2	1.2	605.7	664.7	580.0	25.6
SMDH 00168	812824.53	8194674.56	159.13	0.0	1.0	20.0	3974.1	1.9	12.5	837.7	66.3	857.2	89.8	258.6	164.6	267.6	289.8	1.6	9.7	0.9	422.7	465.5	404.3	18.4
SMDH 00168	812824.53	8194674.56	159.13	1.0	2.0	60.0	5074.5	2.6	18.0	821.5	58.3	692.2	103.1	296.9	189.0	307.3	332.7	2.3	14.2	1.2	364.2	401.7	348.1	16.1
SMDH 00168	812824.53	8194674.56	159.13	2.0	3.0	60.0	4123.0	2.1	14.9	652.7	40.7	505.9	70.9	204.3	130.0	211.4	228.9	1.9	11.7	1.1	274.5	300.2	263.0	11.5
SMDH 00168	812824.53	8194674.56	159.13	3.0	4.0	75.0	4723.5	2.4	17.5	672.8	22.3	771.4	77.8	224.0	142.6	231.8	251.0	2.2	14.0	1.1	339.9	352.8	333.2	6.6
SMDH 00168	812824.53	8194674.56	159.13	4.0	5.0	95.0	4125.2	2.1	13.6	841.3	24.0	527.0	87.3	251.4	160.0	260.2	281.7	1.9	10.3	1.2	374.8	388.9	367.6	7.2
SMDH 00168	812824.53	8194674.56	159.13	5.0	6.0	85.0	5032.0	2.9	14.9	1277.1	32.3	491.5	76.2	219.6	139.8	227.2	246.1	2.6	10.9	1.2	401.4	421.1	392.1	9.3
SMDH 00168	812824.53	8194674.56	159.13	6.0	7.0	85.0	4800.9	2.7	15.3	1060.8	27.6	470.4	82.2	236.7	150.7	244.9	265.2	2.4	11.4	1.3	377.0	393.5	369.1	7.9
SMDH 00168	812824.53	8194674.56	159.13	7.0	8.0	85.0	5393.9	2.9	17.0	1241.7	78.6	448.7	90.5	260.8	166.0	269.9	292.3	2.6	12.8	1.3	464.3	514.5	442.2	22.1
SMDH 00168	812824.53	8194674.56	159.13	8.0	9.0	70.0	4640.6	2.4	16.5	819.5	16.2	525.9	74.0	213.0	135.6	220.5	238.7	2.1	12.7	1.4	373.0	381.7	368.2	4.8
SMDH 00168	812824.53	8194674.56	159.13	9.0	10.0	85.0	3769.4	2.1	12.6	675.5	7.4	468.2	57.2	164.8	104.9	170.5	184.7	1.9	9.1	1.3	97.2	100.7	94.7	2.5
SMDH 00168	812824.53	8194674.56	159.13	10.0	11.0	95.0	4652.0	2.9	12.5	1349.3	12.5	250.7	35.9	103.5	65.9	107.1	116.0	2.7	8.3	1.2	249.6	256.4	245.9	3.7
SMDH 00168	812824.53	8194674.56	159.13	11.0	12.0	90.0	4895.7	2.9	16.4	894.5	18.2	510.7	72.9	210.0	133.7	217.3	235.4	2.7	12.3	1.2	200.9	211.7	195.7	5.2
SMDH 00168	812824.53	8194674.56	159.13	12.0	13.0	85.0	3228.7	1.7	8.9	958.5	23.5	203.5	48.3	139.2	88.6	144.1	156.0	1.5	5.9	1.3	255.7	269.8	249.0	6.7
SMDH 00169	812697.59	8194705.46	159.30	0.0	1.0	85.0	3131.3	1.4	9.7	676.4	54.6	810.2	69.2	199.2	126.8	206.1	223.2	1.2	7.6	0.6	353.9	389.0	338.5	15.5
SMDH 00169	812697.59	8194705.46	159.30	1.0	2.0	60.0	4862.3	2.5	17.4	735.7	58.2	786.5	96.7	278.5	177.3	288.2	312.1	2.2	13.8	1.1	357.9	395.4	341.7	16.2
SMDH 00169	812697.59	8194705.46	159.30	2.0	3.0	50.0	3315.6	1.7	12.2	477.4	38.3	424.5	61.9	178.2	113.4	184.4	199.6	1.6	9.7	0.8	212.4	237.2	201.8	10.6
SMDH 00169	812697.59	8194705.46	159.30	3.0	4.0	50.0	4790.3	2.5	18.0	661.3	51.4	470.0	99.3	286.1	182.1	296.1	320.7	2.3	14.3	1.2	347.2	380.5	332.9	14.3
SMDH 00169	812697.59	8194705.46	159.30	4.0	5.0	75.0	4203.8	2.2	15.3	636.2	38.7	565.6	73.1	210.4	133.9	217.8	235.8	2.0	12.0	1.1	337.2	361.2	325.9	11.3
SMDH 00169	812697.59	8194705.46	159.30	5.0	6.0	75.0	4716.3	2.8	14.4	1096.4	41.9	381.0	61.6	177.5	113.0	183.7	198.9	2.6	10.6	1.0	250.7	277.4	239.0	11.7
SMDH 00169	812697.59	8194705.46	159.30	6.0	7.0	70.0	5894.1	3.8	13.0	2143.4	47.8	370.3	45.9	132.2	84.2	136.8	148.2	3.5	8.2	0.9	307.0	338.0	294.2	12.8
SMDH 00169	812697.59	8194705.46	159.30	7.0	8.0	90.0	4791.0	2.9	12.8	1408.0	44.4	308.8	57.9	166.6	106.1	172.4	186.7	2.6	8.7	1.2	337.1	365.5	325.3	11.9
SMDH 00169	812697.59	8194705.46	159.30	8.0	9.0	85.0	4347.4	2.5	13.8	980.7	36.2	267.3	62.1	178.7	113.8	185.0	200.3	2.3	10.2	1.1	314.0	336.7	303.9	10.0
SMDH 00169	812697.59	8194705.46	159.30	9.0	10.0	80.0	4691.9	2.6	16.0	857.2	56.0	474.9	67.2	193.6	123.3	200.4	217.0	2.4	12.3	1.1	326.2	362.1	310.4	15.7
SMDH 00170	812583.24	8194701.79	159.14	0.0	1.0	20.0	4006.5	2.1	13.9	662.5	52.8	511.4	88.8	255.7	162.8	264.6	286.6	1.9	10.8	1.0	245.8	280.9	231.7	14.1
SMDH 00170	812583.24	8194701.79	159.14	1.0	2.0	60.0	5441.5	3.0	16.8	1241.8	56.8	638.6	95.0	273.7	174.2	283.3	306.8	2.7	12.7	1.1	308.6	345.3	293.0	15.6
SMDH 00170	812583.24	8194701.79	159.14	2.0	3.0	50.0	3198.5	1.7	11.2	468.9	34.9	606.4	63.0	181.5	115.5	187.9	203.4	1.5	8.7	0.8	225.2	247.9	216.0	9.2
SMDH 00170	812583.24	8194701.79	159.14	3.0	4.0	70.0	3819.1	1.9	13.1	640.6	40.3	691.2	76.8	221.2	140.8	229.0	247.9	1.7	10.2	1.0	327.3	352.8	315.8	11.5
SMDH 00170	812583.24	8194701.79	159.14	4.0	5.0	75.0	4436.2	2.3	15.1	707.4	48.9	916.1	93.1	268.2	170.7	277.5	300.5	2.0	11.7	1.2	353.7	385.5	340.4	13.2
SMDH 00170	812583.24	8194701.79	159.14	5.0	6.0	60.0	5346.7	2.5	16.0	1168.3	58.4	1693.1	96.3	277.5	176.6	287.1	310.9	2.1	12.3	1.2	604.0	640.9	587.5	16.5
SMDH 00170	812583.24	8194701.79	159.14	6.0	7.0	60.0	4638.7	2.4	17.3	667.7	29.7	568.2	63.4	182.5	116.1	188.8	204.5	2.2	13.7	1.2	354.2	372.1	345.3	8.8
SMDH 00170	812583.24	8194701.79	159.14	7.0	8.0	85.0	5389.0	2.9	19.0	964.0	29.6	519.0	70.9	204.2	130.0	211.3	228.9	2.7	14.8	1.3	396.5	414.3	387.8	8.7
SMDH 00170	812583.24	8194701.79	159.14	8.0	9.0	80.0	7287.2	4.8	17.2	2503.7	15.1	387.2	63.4	182.5	116.1	188.8	204.5	4.4	11.3	1.1	338.2	346.2	333.7	4.5
SMDH 00170	812583.24	8194701.79	159.14	9.0	10.0	75.0	7375.3	4.7	17.2	2640.9	21.4	404.5	58.4	168.2	107.1	174.1	188.5	4.3	11.6	1.0	358.6	370.7	352.2	6.4
SMDH 00170	812583.24	8194701.79	159.14	10.0	11.0	95.0	4864.9	2.7	13.7	1373.1	24.1	539.9	64.9	186.9	119.0	193.4	209.5	2.4	9.9	1.1	419.8	433.1	412.0	7.9
SMDH 00170	812583.24	8194701.79	159.14	11.0	12.0	90.0	4571.4	2.4	15.8	829.2	20.9	567.8	69.2	199.2	126.8	206.1	223.2	2.2	12.1	1.2	375.7	387.3	369.1	6.6
SMDH 00170	812583.24	8194701.79	159.14	12.0	13.0	98.0	4418.1	2.4	16.2	621.8	17.5	687.2	51.5	148.4	94.4	153.5	166.3	2.2	12.7	1.1	301.5	311.2	296.1	5.4
SMDH 00170	812583.24	8194701.79	159.14	13.0	14.0	90.0	3458.0	1.8	13.1	458.3	23.9	480.6	45.6	131.2	83.5	135.8	147.1	1.6	10.4	0.9	244.4	258.6	237.4	7.0
SMDH 00170	812583.24	8194701.79	159.14	14.0	15.0	95.0	4313.6	2.4	15.3	687.8	18.9	560.0	57.5	165.5	105.3	171.3	185.5	2.2	11.8	1.2	263.0	273.7	257.4	5.6
SMDH 00170	812583.24	8194701.79	159.14	15.0	16.0	95.0	4334.6	2.4	15.5	682.6	17.5	495.9	77.8	224.0	142.6	231.8	251.1	2.2	12.1	1.1	269.6	279.0	264.1	5.5
SMDH 00170	812583.24	8194701.79	159.14	16.0	17.0	80.0	4239.3	2.4	14.5	826.7	14.9	270.4	80.2	231.1	147.1	239.2	259.0	2.2	11.1	1.1	283.6	291.6	278.9	4.7
SMDH 00171	814549.71	8194833.34	171.54	0.0	1.0	30.0	5408.1	2.8	20.3	725.1	50.4	583.8	108.9	313.7	199.7	324.6	351.5	2.6	15.9	1.5	347.3	379.3	333.3	14.0
SMDH 00171	814549.71	8194833.34	171.54	1.0	2.0	30.0	9149.5	6.8	30.1	1309.7	65.6	308.5	241.8	696.3	443.2	720.6	780.3	6.4	22.0	1.2	156.1	199.6	138.0	18.1
SMDH 00171	814549.71	8194833.34	171.54	2.0	3.0	30.0	7708.9	5.3	28.8	511.5	52.1	692.5	314.6	906.1	576.8	937.7	1015.4	4.8	22.0	1.5	259.3	291.8	243.2	16.1
SMDH 00171	814549.71	8194833.34	171.54	3.0	4.0	50.0	5181.8	2.9	15.3	1236.3	41.3	1071.7	69.4	200.0	127.3	207.0	224.2	2.5	11.7	0.7	351.9	377.2	340.0	11.9
SMDH 00171	814549.71	8194833.34	171.54	4.0	5.0	85.0	5962.6	3.3	18.3	1433.4	53.6	591.7	93.9	270.5	172.2	279.9	303.1	3.0	13.8	1.2	421.8	454.5	406.2	15.6
SMDH 00171	814549.71	8194833.34	171.54	5.0	6.0	65.0	6057.3	3.4	18.8	1376.8	55.8	769.3	81.8	235.5	149.9	243.8	264.0	3.1	14.2	1.2	368.8	402.8	351.8	17.0
SMDH 00171	814549.71	8194833.34	171.54	6.0	7.0	80.0	6375.0	3.6	20.2	1381.0	71.9	701.8	86.6	249.4	158.8	258.1	279.5	3.3	15.4	1.2	342.4	386.7	320.6	21.8
SMDH 00171	814549.71	8194833.34	171.54	7.0	8.0	90.0	5710.4	3.3	18.0	1250.5	57.6	624.7	77.1	222.1	141.4	229.9	248.9	3.0	13.6	1.1	295.6	330.7	277.8	17.8
SMDH 00171	814549.71	8194833.34	171.54	8.0	9.0	80.0	6117.4	3.5	17.7	1591.4	57.3	652.7	80.7	232.4	147.9	240.5	260.5	3.2	13.0	1.1	348.8	383.9	331.6	17.2
SMDH 00171	814549.71	8194833.34	171.54	9.0	10.0	85.0	5347.2	3.0	15.7	1352.6	64.7	598.5	68.9	198.5	126.3	205.4	222.4	2.7	11.6	1.1	343.7	383.5	324.4	19.3
SMDH 00172	814440.61	8194819.92	172.64	0.0	1.0	40.0	5539.3	3.3	17.1	1244.5	26.2	545.7	86.2	248.4	158.1	257.0	278.3	3.0	12.6	1.3	200.6	216.3	193.0	7.6
SMDH 00172	814440.61	8194819.92	172.64	1.0	2.0	35.0	4812.3	2.3	16.6	820.7	38.0	1453.4	75.3	217.0	138.1	224.6	243.2	2.0	14.0	0.3	489.1	511.4	477.4	11.7
SMDH 00172	814440.61	8194819.92	172.64	2.0	3.0	40.0	8852.0	5.8	29.0	1740.4	56.4	232.0	162.3	467.4	297.5	483.7	523.8	5.4	22.0	1.1	114.1	151.0	98.0	16.1
SMDH 00172	814440.61	8194819.92	172.64	3.0	4.0	50.0	9742.1	7.1	30.2	1880.8	52.6	239.9	192.1	553.3	352.2	572.6	620.1	6.7	22.0	1.1	104.2	138.7	89.3	14.9
SMDH 00172	814440.61	8194819.92	172.64	4.0	5.0	60.0	5281.6	2.7	20.6	611.5	38.5	569.1	119.6	344.5	219.3	356.6	386.1	2.4	16.4	1.5	325.8	349.7	314.5	11.3
SMDH 00173	814314.63	8194825.99	173.73	0.0	1.0	40.0	7494.7	3.7	26.8	1013.9	50.7	2240.1	126.3	363.9	231.6	376.6	407.8	3.2	22.0	1.0	578.5	607.8	562.7	15.8
SMDH 00173	814314.63	8194825.99	173.73	1.0	2.0	40.0	6301.7	3.6	20.7	1284.5	34.5	593.4	91.4	263.1	167.5	272.3	294.9	3.3	15.7	1.4	296.6	316.8	285.8	10.7
SMDH 00173	814314.63	8194825.99	173.73	2.0	3.0	30.0	5783.0	3.1	23.1	495.5	28.6	691.3	116.4	335.4	213.5	347.1	375.8	2.8	18.3	1.7	247.9	264.1	238.5	9.4
SMDH 00173	814314.63	8194825.99	173.73	3.0	4.0	50.0	6254.2	3.6	21.8	1103.7	39.0	500.9	93.4	269.0	171.2	278.4	301.5	3.3	17.0	1.2	294.2	317.4	281.9	12.2
SMDH 00173	814314.63	8194825.99	173.73	4.0	5.0	90.0	6469.7	3.7	21.9	1201.9	36.2	659.7	90.0	259.1	164.9	268.1	290.3	3.4	16.9	1.3	278.9	300.5	268.0	10.9
SMDH 00173	814314.63	8194825.99	173.73	5.0	6.0	80.0																		
SMDH 00173	814314.63	8194825.99	173.73	6.0	7.0	60.0	6665.1	3.6	27.6	480.0	24.2	681.2	133.6	384.8	245.0	398.3	431.3	3.3	22.0	2.0	244.9	258.5	237.3	7.6
SMDH 00173	814314.63	8194825.99	173.73	7.0	8.0	90.0	6039.1	3.2	21.2	770.6	49.7	1253.3	394.4	1135.9	723.1	1175.6	1273.0	2.5	17.4	0.6	424.1	454.9	409.4	14.7
SMDH 00174	814209.56	8194827.69	173.78	0.0	1.0	60.0	4770.2	2.0	13.3	1199.2	62.1	2117.5	59.2	170.5	108.5	176.4	191.0	1.6	10.9	0.4	727.6	763.8	707.7	19.9
SMDH 00174	814209.56	8194827.69	173.78	1.0	2.0	30.0	4756.2	2.7	15.1	974.5	30.3	536.4	84.8	244.2	155.4	252.7	273.6	2.5	11.2	1.2	250.3	268.6	241.1	9.2
SMDH 00174	814209.56	8194827.69	173.78	2.0	3.0	60.0	6284.1	3.7	21.0	1127.1	76.5	674.6	99.0	285.1	181.5	295.1	319.5	3.4	16.0	1.3	270.0	315.7	245.4	24.6
SMDH 00174	814209.56	8194827.69	173.78	3.0	4.0	40.0	4546.8	2.7	13.5	1070.2	22.9	505.7	72.6	209.1	133.1	216.4	234.4	2.5	9.6	1.2	195.3	208.6	188.3	7.0
SMDH 00174	814209.56	8194827.69	173.78	4.0	5.0	60.0	6088.4	3.5	17.0	1643.3	47.5	792.6	95.7	275.6	175.4	285.2	308.9	3.2	12.4	1.1	429.3	456.9	414.3	15.1
SMDH 00174	814209.56	8194827.69	173.78	5.0	6.0	50.0	5347.1	3.0	16.0	1266.1	64.1	711.1	92.2	265.5	169.0	274.8	297.6	2.7	11.9	1.1	397.1	434.7	376.2	20.9
SMDH 00174	814209.56	8194827.69	173.78	6.0	7.0	50.0	4996.5	2.7	16.5	944.3	54.0	705.6	99.6	286.9	182.6	296.9	321.5	2.4	12.7	1.1	403.6	435.2	386.4	17.2
SMDH 00174	814209.56	8194827.69	173.78	7.0	8.0	80.0																		
SMDH 00174	814209.56	8194827.69	173.78	8.0	9.0	60.0	5229.2	2.8	14.0	1494.2	51.0	839.5	108.5	312.6	199.0	323.5	350.3	2.4	9.9	1.3	530.3	561.3	515.4	14.8
SMDH 00174	814209.56	8194827.69	173.78	9.0	10.0	70.0	4059.8	2.1	11.4	1084.4	45.5	621.2	78.8	226.9	144.4	234.8	254.3	1.9	8.0	1.2	398.8	426.7	385.4	13.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00174	814209.56	8194827.69	173.78	10.0	11.0	80.0	5085.7	2.8	17.2	987.1	56.8	482.0	72.7	209.4	133.3	216.7	234.7	2.6	13.4	1.1	322.1	358.5	306.0	16.1
SMDH 00174	814209.56	8194827.69	173.78	11.0	12.0	80.0	5735.3	3.2	18.0	1312.8	64.8	568.3	82.9	238.7	152.0	247.1	267.5	2.9	13.7	1.1	395.9	436.1	376.5	19.4
SMDH 00174	814209.56	8194827.69	173.78	12.0	13.0	75.0	5120.9	2.8	15.7	1202.2	57.6	626.8	74.4	214.3	136.4	221.7	240.1	2.5	11.7	1.2	383.1	418.0	365.3	17.8
SMDH 00174	814209.56	8194827.69	173.78	13.0	14.0	98.0	5557.1	3.2	17.3	1150.8	49.3	905.8	77.6	223.5	142.3	231.3	250.5	2.9	12.9	1.3	255.8	285.5	240.7	15.1
SMDH 00175	814078.58	8194829.10	170.07	0.0	1.0	40.0	2098.4	0.9	5.9	574.3	35.3	692.4	38.4	110.6	70.4	114.5	124.0	0.7	4.7	0.3	342.8	364.8	332.4	10.3
SMDH 00175	814078.58	8194829.10	170.07	1.0	2.0	40.0	3913.9	1.7	12.0	961.3	45.6	1010.0	53.2	153.1	97.5	158.5	171.6	1.5	9.5	0.7	553.8	581.4	540.4	13.4
SMDH 00175	814078.58	8194829.10	170.07	2.0	3.0	50.0	3976.5	2.0	10.9	1236.5	38.2	423.4	59.0	170.0	108.2	175.9	190.5	1.8	7.9	1.0	466.9	490.2	456.5	10.4
SMDH 00175	814078.58	8194829.10	170.07	3.0	4.0	50.0	3309.9	1.7	9.2	945.7	22.0	415.2	52.8	152.0	96.7	157.3	170.3	1.5	6.3	1.2	329.4	342.0	323.0	6.4
SMDH 00175	814078.58	8194829.10	170.07	4.0	5.0	60.0	3930.4	2.0	11.5	1110.2	27.3	421.0	66.1	190.3	121.1	196.9	213.2	1.7	8.4	1.1	466.9	482.7	459.2	7.7
SMDH 00175	814078.58	8194829.10	170.07	5.0	6.0	70.0	4041.7	2.0	11.1	1206.3	39.5	591.4	63.9	184.1	117.2	190.5	206.3	1.7	8.0	1.1	479.1	502.3	467.1	12.0
SMDH 00175	814078.58	8194829.10	170.07	6.0	7.0	50.0	4541.3	2.3	13.3	1268.6	47.6	396.0	66.9	192.7	122.7	199.4	215.9	2.1	9.8	1.2	449.5	477.7	434.9	14.7
SMDH 00175	814078.58	8194829.10	170.07	7.0	8.0	98.0	5844.5	3.0	18.2	1365.1	80.1	938.3	101.4	292.2	186.0	302.4	327.4	2.6	14.1	1.1	591.2	638.8	566.3	25.0
SMDH 00175	814078.58	8194829.10	170.07	8.0	9.0	95.0	5691.7	3.0	18.0	1297.0	56.1	753.7	99.1	285.4	181.7	295.3	319.8	2.6	13.8	1.2	505.2	538.1	487.7	17.5
SMDH 00175	814078.58	8194829.10	170.07	9.0	10.0	80.0	5833.7	3.1	18.1	1440.0	55.7	624.1	82.8	238.4	151.8	246.8	267.2	2.8	13.8	1.3	503.4	536.4	486.2	17.2
SMDH 00175	814078.58	8194829.10	170.07	10.0	11.0	95.0	5487.8	2.9	18.7	1041.4	73.4	647.3	89.2	256.9	163.6	265.9	287.9	2.6	14.7	1.1	415.3	460.5	392.8	22.5
SMDH 00175	814078.58	8194829.10	170.07	11.0	12.0	85.0	7395.0	4.1	27.2	1210.8	42.8	633.0	71.6	206.3	131.3	213.5	231.2	3.8	22.0	1.1	413.6	439.7	401.0	12.5
SMDH 00175	814078.58	8194829.10	170.07	12.0	13.0	70.0	4900.0	2.6	14.7	1196.0	45.6	762.3	89.3	257.2	163.7	266.2	288.3	2.3	10.9	1.2	467.3	494.6	453.6	13.7
SMDH 00175	814078.58	8194829.10	170.07	13.0	14.0	60.0	5511.7	3.0	17.4	1227.2	64.2	691.3	107.3	308.9	196.6	319.7	346.2	2.6	13.2	1.2	490.2	529.3	470.2	20.0
SMDH 00176	813953.78	8194823.10	168.38	0.0	1.0	40.0	3674.1	1.4	9.3	1125.4	62.1	1402.1	89.9	258.9	164.8	267.9	290.1	1.1	7.4	0.4	678.5	716.2	659.7	18.8
SMDH 00176	813953.78	8194823.10	168.38	1.0	2.0	30.0	4487.8	2.3	14.2	983.8	55.5	806.6	67.3	193.9	123.4	200.7	217.3	2.0	11.0	1.0	430.1	464.7	413.9	16.2
SMDH 00176	813953.78	8194823.10	168.38	2.0	3.0	40.0	4864.7	2.5	15.2	1112.7	35.6	935.5	79.3	228.3	145.3	236.2	255.8	2.1	11.8	1.0	495.0	515.9	484.2	10.8
SMDH 00176	813953.78	8194823.10	168.38	3.0	4.0	50.0	5127.0	2.7	17.2	1026.8	33.3	708.9	90.9	261.7	166.6	270.8	293.2	2.4	13.5	1.1	460.6	480.4	451.0	9.6
SMDH 00176	813953.78	8194823.10	168.38	4.0	5.0	90.0	2401.8	1.0	5.8	790.9	58.0	607.5	45.8	131.9	83.9	136.5	147.8	0.8	4.0	0.9	464.8	501.6	448.6	16.2
SMDH 00176	813953.78	8194823.10	168.38	5.0	6.0	80.0	2490.3	1.1	5.4	895.5	39.1	660.6	43.0	123.8	78.8	128.1	138.7	0.9	3.5	0.8	423.6	447.0	411.8	11.8
SMDH 00176	813953.78	8194823.10	168.38	6.0	7.0	50.0	2532.8	0.9	6.0	860.8	52.8	778.4	45.4	130.6	83.2	135.2	146.4	0.7	4.3	0.8	515.6	548.3	500.1	15.5
SMDH 00176	813953.78	8194823.10	168.38	7.0	8.0	98.0	2496.4	1.1	5.1	924.4	39.9	737.0	40.1	115.6	73.6	119.7	129.6	0.9	3.2	0.8	427.6	452.0	416.4	11.2
SMDH 00176	813953.78	8194823.10	168.38	8.0	9.0	90.0	2665.2	1.1	5.8	936.4	51.3	753.7	51.7	148.8	94.7	154.0	166.7	0.9	3.8	0.9	486.7	518.1	471.5	15.2
SMDH 00176	813953.78	8194823.10	168.38	9.0	10.0	60.0	4121.6	2.1	13.2	872.6	50.0	597.5	76.2	219.4	139.7	227.1	245.9	1.8	9.9	1.2	370.8	402.3	356.6	14.1
SMDH 00177	813839.98	8194823.78	167.53	0.0	1.0	50.0	3513.2	1.1	5.6	1634.8	83.5	1685.2	42.8	123.2	78.4	127.5	138.0	0.7	4.0	0.5	1007.3	1058.9	983.1	24.2
SMDH 00177	813839.98	8194823.78	167.53	1.0	2.0	40.0	3121.4	1.3	9.3	785.3	40.1	719.8	63.4	182.6	116.3	189.0	204.7	1.1	6.9	1.0	445.8	470.4	434.1	11.7
SMDH 00177	813839.98	8194823.78	167.53	2.0	3.0	50.0	3250.2	1.4	8.7	1003.6	54.9	604.7	65.1	187.5	119.3	194.0	210.1	1.2	6.3	1.0	520.1	554.2	504.3	15.9
SMDH 00177	813839.98	8194823.78	167.53	3.0	4.0	80.0	4032.4	2.1	10.5	1296.2	30.6	557.8	48.7	140.1	89.2	145.0	157.1	1.9	7.5	0.8	376.1	394.5	367.0	9.1
SMDH 00177	813839.98	8194823.78	167.53	4.0	5.0	98.0	2354.6	1.3	5.9	828.0	17.5	250.4	23.2	66.8	42.5	69.1	74.9	1.1	4.3	0.4	212.3	222.6	207.0	5.2
SMDH 00177	813839.98	8194823.78	167.53	5.0	6.0	60.0	4271.8	2.1	12.6	1186.4	48.3	549.0	55.7	160.5	102.2	166.1	179.9	1.9	9.7	0.8	465.6	494.9	451.1	14.5
SMDH 00177	813839.98	8194823.78	167.53	6.0	7.0	50.0	3658.7	1.9	8.8	1337.8	30.6	428.4	41.3	118.8	75.6	123.0	133.1	1.7	6.2	0.7	395.6	413.9	386.6	9.0
SMDH 00177	813839.98	8194823.78	167.53	7.0	8.0	90.0	4434.5	2.3	11.8	1408.7	25.6	548.9	59.9	172.6	109.9	178.6	193.4	2.1	8.5	1.0	421.2	436.2	413.8	7.5
SMDH 00178	813716.26	8194822.67	166.85	0.0	1.0	40.0	4649.4	2.4	12.3	1458.7	56.5	641.4	58.9	169.7	108.0	175.6	190.2	2.1	8.9	0.9	420.3	457.0	405.1	15.1
SMDH 00178	813716.26	8194822.67	166.85	1.0	2.0	30.0	6059.6	3.2	18.9	1406.7	70.8	817.5	92.9	267.6	170.3	276.9	299.9	2.9	14.3	1.4	473.0	518.0	453.1	19.9
SMDH 00178	813716.26	8194822.67	166.85	2.0	3.0	50.0	4275.0	2.1	12.8	1118.5	56.1	647.9	57.6	166.0	105.7	171.8	186.0	1.9	9.7	1.0	440.2	476.5	424.9	15.2
SMDH 00178	813716.26	8194822.67	166.85	3.0	4.0	70.0	7617.5	4.3	20.7	2281.8	52.2	807.7	100.2	288.6	183.7	298.7	323.5	3.9	15.1	1.3	420.8	454.3	406.8	13.9
SMDH 00178	813716.26	8194822.67	166.85	4.0	5.0	98.0	5959.7	3.2	17.7	1573.9	38.7	611.3	96.3	277.5	176.6	287.1	310.9	2.9	13.2	1.3	511.1	534.4	499.8	11.2
SMDH 00178	813716.26	8194822.67	166.85	5.0	6.0	85.0	5792.8	3.2	17.4	1404.5	18.3	771.3	104.1	299.8	190.8	310.3	336.0	2.9	12.8	1.4	409.2	419.1	403.6	5.5
SMDH 00178	813716.26	8194822.67	166.85	6.0	7.0	60.0	5396.8	2.8	16.2	1374.3	40.5	714.5	87.7	252.7	160.8	261.5	283.2	2.5	12.1	1.3	493.1	517.5	481.5	11.6
SMDH 00179	813601.44	8194821.22	165.54	0.0	1.0	40.0	4009.7	1.8	13.0	784.8	46.2	1243.3	50.1	144.2	91.8	149.2	161.6	1.5	10.3	0.9	442.4	471.3	429.7	12.7
SMDH 00179	813601.44	8194821.22	165.54	1.0	2.0	40.0	4829.8	2.3	11.0	1963.9	44.6	314.7	57.6	165.9	105.6	171.6	185.9	2.0	7.4	1.2	760.4	786.4	747.0	13.4
SMDH 00179	813601.44	8194821.22	165.54	2.0	3.0	50.0	9033.2	6.0	15.1	4262.5	17.7	72.0	33.0	94.9	60.4	98.2	106.4	5.6	8.1	0.9	200.2	211.1	195.8	4.4
SMDH 00179	813601.44	8194821.22	165.54	3.0	4.0	80.0	6234.8	2.6	10.0	3516.4	72.5	60.7	33.7	97.1	61.8	100.4	108.8	2.2	5.6	1.7	1579.7	1622.1	1558.6	21.1
SMDH 00179	813601.44	8194821.22	165.54	4.0	5.0	98.0	4505.3	1.8	8.7	2249.8	55.1	251.9	48.9	140.7	89.6	145.6	157.7	1.4	5.6	1.4	1139.2	1171.6	1123.9	15.3
SMDH 00179	813601.44	8194821.22	165.54	5.0	6.0	85.0	4369.8	2.3	10.7	1663.6	26.9	99.8	25.8	74.3	47.3	76.9	83.3	2.0	7.1	1.4	431.2	447.0	423.5	7.8
SMDH 00179	813601.44	8194821.22	165.54	6.0	7.0	90.0	4205.1	2.0	14.7	748.1	44.1	807.6	70.1	201.9	128.5	209.0	226.3	1.7	11.7	1.0	417.9	445.4	405.5	12.4
SMDH 00180	813476.68	8194824.33	163.35	0.0	1.0	40.0	2900.8	1.3	8.2	695.4	41.6	1209.6	40.2	115.7	73.7	119.8	129.7	1.0	6.6	0.4	390.1	416.2	378.2	11.9
SMDH 00180	813476.68	8194824.33	163.35	1.0	2.0	50.0	4195.8	2.1	13.8	871.4	45.2	724.2	63.4	182.7	116.3	189.1	204.7	1.8	10.9	0.9	397.1	425.0	383.6	13.5
SMDH 00180	813476.68	8194824.33	163.35	2.0	3.0	60.0	9999.8	7.4	15.3	4570.3	30.0	324.4	41.5	119.6	76.2	123.8	134.1	6.8	7.4	0.6	235.1	253.6	227.4	7.7
SMDH 00180	813476.68	8194824.33	163.35	3.0	4.0	75.0	5995.2	3.6	15.2	1911.7	24.8	639.9	71.8	206.8	131.6	214.0	231.7	3.2	10.6	1.0	429.0	443.0	421.4	7.6
SMDH 00180	813476.68	8194824.33	163.35	4.0	5.0	80.0	5905.4	3.7	14.6	1895.0	30.8	603.9	68.4	197.0	125.4	203.9	220.8	3.3	10.0	0.9	444.6	462.6	435.5	9.2
SMDH 00180	813476.68	8194824.33	163.35	5.0	6.0	70.0	4724.6	2.5	13.4	1298.1	45.6	634.2	72.0	207.5	132.1	214.7	232.5	2.2	9.8	1.1	474.0	502.2	460.8	13.2
SMDH 00180	813476.68	8194824.33	163.35	6.0	7.0	50.0	4698.7	2.5	13.9	1208.9	49.7	612.0	72.9	210.0	133.7	217.3	235.4	2.2	10.4	1.0	414.6	444.6	399.1	15.5
SMDH 00180	813476.68	8194824.33	163.35	7.0	8.0	98.0	5475.0	2.9	15.7	1476.4	62.9	824.1	88.8	255.8	162.8	264.7	286.6	2.5	11.7	1.1	529.4	568.1	510.8	18.7
SMDH 00180	813476.68	8194824.33	163.35	8.0	9.0	90.0	5776.5	3.0	17.4	1445.0	66.9	796.3	96.2	277.0	176.3	286.7	310.5	2.7	13.3	1.2	574.2	615.3	554.2	20.0
SMDH 00180	813476.68	8194824.33	163.35	9.0	10.0	60.0	3387.0	1.8	9.9	872.2	33.0	447.3	49.9	143.7	91.5	148.7	161.0	1.6	7.1	0.9	240.1	260.9	230.9	9.2
SMDH 00180	813476.68	8194824.33	163.35	10.0	11.0	80.0	5537.7	3.0	16.4	1410.8	55.9	681.2	90.2	259.7	165.3	268.7	291.0	2.7	12.2	1.3	459.1	493.2	442.1	17.0
SMDH 00180	813476.68	8194824.33	163.35	11.0	11.5	50.0	4816.1	2.5	14.5	1219.9	60.0	622.2	87.2	251.3	159.9	260.0	281.6	2.2	10.8	1.1	483.8	521.0	465.7	18.1
SMDH 00180	813476.68	8194824.33	163.35	11.5	12.0	50.0	4816.1	2.5	14.5	1219.9	60.0	622.2	87.2	251.3	159.9	260.0	281.6	2.2	10.8	1.1	483.8	521.0	465.7	18.1
SMDH 00181	813360.88	8194820.95	161.85	0.0	1.0	40.0	2632.6	0.9	4.6	897.1	52.9	2079.1	23.4	67.5	43.0	69.9	75.6	0.5	3.6	0.2	563.2	595.4	547.5	15.8
SMDH 00181	813360.88	8194820.95	161.85	1.0	2.0	50.0	4559.1	2.0	13.2	1103.6	69.0	1619.6	53.1	152.9	97.3	158.2	171.4	1.6	10.3	0.9	649.5	691.0	628.5	21.0
SMDH 00181	813360.88	8194820.95	161.85	2.0	3.0	50.0	4589.7	2.0	12.2	1426.7	58.9	1186.0	42.1	121.3	77.2	125.6	136.0	1.7	9.3	0.9	782.5	817.8	764.9	17.5
SMDH 00181	813360.88	8194820.95	161.85	3.0	4.0	50.0	7356.4	5.3	16.9	2409.3	57.7	362.7	55.6	160.1	101.9	165.7	179.4	4.9	10.8	0.8	390.2	425.1	373.0	17.2
SMDH 00181	813360.88	8194820.95	161.85	4.0	5.0	60.0	6467.4	3.9	17.1	1802.5	85.1	1012.9	73.7	212.4	135.2	219.8	238.0	3.5	12.3	1.0	540.1	592.9	514.6	25.5
SMDH 00181	813360.88	8194820.95	161.85	5.0	6.0	60.0	7026.9	4.6	17.3	2237.7	69.8	453.4	69.0	198.8	126.5	205.7	222.8	4.2	11.8	0.9	557.6	600.0	536.9	20.7
SMDH 00181	813360.88	8194820.95	161.85	6.0	7.0	50.0	4925.7	2.7	15.7	1133.5	59.5	442.1	66.8	192.5	122.5	199.2	215.7	2.5	12.1	0.9	446.8	483.3	428.8	18.1
SMDH 00181	813360.88	8194820.95	161.85	7.0	8.0	90.0	4344.5	2.4	13.9	940.9	39.2	486.1	63.2	182.1	115.9	188.4	204.0	2.2	10.5	1.0	312.4	335.6	300.1	12.2
SMDH 00181	813360.88	8194820.95	161.85	8.0	9.0	98.0	4489.0	2.4	15.4	826.4	26.3	586.9	83.5	240.6	153.2	249.0	269.7	2.1	12.0	1.0	360.2	375.6	352.8	7.4
SMDH 00181	813360.88	8194820.95	161.85	9.0	10.0	85.0	5440.0	3.2	15.8	1420.3	37.0	496.2	69.0	198.8	126.5	205.7	222.8	2.9	11.6	1.0	441.9	463.4	430.8	11.1
SMDH 00181	813360.88	8194820.95	161.85	10.0	11.0	85.0	5085.9	2.8	17.0	1052.3	38.4	505.6	85.0	244.8	155.8	253.4	274.4	2.5	13.1	1.1	438.5	460.7	426.4	12.1
SMDH 00181	813360.88	8194820.95	161.85	11.0	12.0	98.0	6109.9	3.1	20.0	1361.2	66.6	608.8	116.0	334.1	212.7	345.7	374.4	2.8	15.5	1.4	651.6	692.4	632.0	19.5
SMDH 00181	813360.88	8194820.95	161.85	12.0	13.0	90.0	5380.7	3.0	18.8	986.6	28.3	432.8	83.4	240.3	152.9	248.7	269.3	2.7	14.7	1.1	319.8	337.0	311.7	8.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00181	813360.88	8194820.95	161.85	13.0	14.0	95.0	4966.9	2.7	16.0	1147.3	51.7	360.3	70.7	203.6	129.6	210.7	228.2	2.4	12.2	1.1	397.0	428.9	382.3	14.7
SMDH 00181	813360.88	8194820.95	161.85	14.0	15.0	90.0	4190.9	2.3	13.1	1007.4	25.2	355.4	64.3	185.3	118.0	191.8	207.7	2.0	9.7	1.1	321.5	336.6	314.7	6.8
SMDH 00182	813234.81	8194823.96	160.97	0.0	1.0	30.0	1850.4	0.8	4.9	504.1	32.1	711.6	37.3	107.3	68.3	111.1	120.3	0.6	3.8	0.3	271.5	291.4	262.0	9.5
SMDH 00182	813234.81	8194823.96	160.97	1.0	2.0	50.0	2863.9	1.3	8.5	722.5	43.8	737.1	46.9	135.2	86.0	139.9	151.5	1.1	6.7	0.6	402.5	429.4	389.3	13.2
SMDH 00182	813234.81	8194823.96	160.97	2.0	3.0	50.0	4247.6	1.7	9.3	1474.9	77.3	1816.7	38.8	111.7	71.1	115.6	125.2	1.3	7.0	0.7	777.8	826.5	756.0	21.8
SMDH 00182	813234.81	8194823.96	160.97	3.0	4.0	70.0	4915.5	2.2	15.5	1215.1	59.8	788.7	67.1	193.2	123.0	199.9	216.5	1.9	12.0	1.4	696.3	732.5	678.4	18.0
SMDH 00182	813234.81	8194823.96	160.97	4.0	5.0	85.0	6410.8	4.1	17.9	1600.2	50.3	624.5	79.0	227.4	144.7	235.3	254.8	3.8	12.5	1.3	224.5	255.1	209.2	15.3
SMDH 00182	813234.81	8194823.96	160.97	5.0	6.0	98.0	3599.7	2.5	8.6	1145.1	18.5	249.6	22.6	65.0	41.3	67.2	72.8	2.3	5.7	0.5	153.0	164.2	148.1	5.0
SMDH 00182	813234.81	8194823.96	160.97	6.0	7.0	75.0	2343.1	1.2	9.9	200.4	18.2	200.3	13.8	39.8	25.3	41.2	44.6	1.1	8.0	0.6	84.8	95.8	79.6	5.2
SMDH 00182	813234.81	8194823.96	160.97	7.0	8.0	90.0	5193.3	3.0	16.1	1153.7	58.0	501.8	72.3	208.3	132.6	215.6	233.4	2.7	11.8	1.3	322.2	356.7	303.9	18.4
SMDH 00182	813234.81	8194823.96	160.97	8.0	9.0	80.0	6117.7	3.4	21.0	1099.6	62.7	480.6	105.8	304.6	193.9	315.2	341.3	3.1	15.8	1.8	326.1	363.1	306.3	19.8
SMDH 00182	813234.81	8194823.96	160.97	9.0	10.0	80.0	5303.6	2.8	17.0	1165.5	61.2	558.6	74.4	214.4	136.5	221.9	240.3	2.5	12.7	1.5	397.0	433.4	378.0	19.0
SMDH 00182	813234.81	8194823.96	160.97	10.0	11.0	90.0	5228.9	2.8	17.2	1091.8	65.7	533.3	84.2	242.5	154.4	251.0	271.8	2.5	13.0	1.4	386.4	426.4	366.6	19.8
SMDH 00182	813234.81	8194823.96	160.97	11.0	12.0	80.0	4748.0	2.6	14.7	1083.9	40.8	519.5	73.9	212.7	135.4	220.2	238.4	2.4	10.8	1.3	288.9	314.0	277.3	11.6
SMDH 00182	813234.81	8194823.96	160.97	12.0	13.0	50.0	3870.2	2.1	12.0	883.8	14.5	428.2	64.7	186.2	118.6	192.7	208.7	1.9	8.6	1.3	212.3	220.3	208.2	4.1
SMDH 00183	813129.72	8194826.60	160.36	0.0	1.0	20.0	4204.2	2.2	14.9	690.9	34.8	626.2	83.7	241.2	153.5	249.6	270.3	1.9	11.8	0.9	284.9	307.0	275.0	9.9
SMDH 00183	813129.72	8194826.60	160.36	1.0	2.0	40.0	4127.4	2.2	13.9	779.7	33.4	569.5	67.7	194.9	124.1	201.7	218.5	2.0	10.8	0.9	269.2	290.4	259.9	9.2
SMDH 00183	813129.72	8194826.60	160.36	2.0	3.0	40.0	12774.9	8.7	21.8	5818.9	22.3	283.8	62.5	179.9	114.5	186.1	201.6	8.0	11.9	1.1	110.7	125.2	105.2	5.5
SMDH 00183	813129.72	8194826.60	160.36	3.0	4.0	40.0	12374.9	8.6	31.5	3847.7	37.7	174.9	157.0	452.2	287.8	468.0	506.7	8.1	22.0	0.9	75.6	101.0	65.9	9.7
SMDH 00183	813129.72	8194826.60	160.36	4.0	5.0	90.0	11449.3	8.9	32.0	2572.6	41.0	256.1	236.5	681.3	433.7	705.1	763.5	8.3	22.0	1.2	88.3	115.2	77.0	11.3
SMDH 00183	813129.72	8194826.60	160.36	5.0	6.0	95.0	7912.6	5.0	22.8	2067.3	29.3	359.5	102.9	296.4	188.7	306.8	332.2	4.7	16.2	1.6	312.0	330.2	304.1	8.0
SMDH 00183	813129.72	8194826.60	160.36	6.0	7.0	70.0	7067.1	4.1	25.6	1046.5	53.1	542.6	100.5	289.4	184.2	299.6	324.4	3.8	19.7	1.9	341.5	375.3	326.3	15.2
SMDH 00183	813129.72	8194826.60	160.36	7.0	8.0	85.0	4552.2	2.5	14.7	914.9	69.1	553.4	68.8	198.1	126.1	205.0	222.0	2.3	11.1	1.1	337.2	381.7	318.0	19.3
SMDH 00183	813129.72	8194826.60	160.36	8.0	9.0	75.0	5427.6	3.0	18.4	1000.7	66.7	556.2	90.2	259.8	165.4	268.8	291.1	2.7	14.2	1.3	404.0	446.2	384.7	19.3
SMDH 00183	813129.72	8194826.60	160.36	9.0	10.0	75.0	5337.4	2.9	17.5	1091.2	69.1	580.9	85.7	246.8	157.1	255.4	276.6	2.6	13.2	1.4	455.2	499.2	435.9	19.3
SMDH 00183	813129.72	8194826.60	160.36	10.0	11.0	98.0	5946.8	3.3	20.3	954.9	78.6	870.6	101.0	290.8	185.1	301.0	325.9	3.0	15.5	1.5	379.4	429.0	356.3	23.1
SMDH 00183	813129.72	8194826.60	160.36	11.0	12.0	95.0	5726.8	3.1	19.9	961.1	61.6	658.7	104.3	300.5	191.3	311.0	336.8	2.8	15.2	1.5	440.8	478.7	422.9	17.8
SMDH 00183	813129.72	8194826.60	160.36	12.0	13.0	85.0	5316.5	2.9	18.1	948.7	33.2	628.3	101.6	292.5	186.2	302.7	327.8	2.6	13.7	1.5	386.5	406.4	377.0	9.4
SMDH 00183	813129.72	8194826.60	160.36	13.0	14.0	80.0	6082.4	3.7	20.1	1146.5	50.3	365.0	112.9	325.3	207.0	336.6	364.5	3.4	14.9	1.6	268.1	299.0	253.5	14.6
SMDH 00184	812994.83	8194808.11	160.19	0.0	1.0	30.0	4824.6	2.3	15.8	993.0	73.5	868.9	104.6	301.3	191.8	311.8	337.7	2.0	12.4	1.0	515.7	563.0	495.2	20.5
SMDH 00184	812994.83	8194808.11	160.19	1.0	2.0	40.0	4713.3	2.3	16.5	827.9	51.8	905.0	69.8	201.1	128.0	208.1	225.4	2.0	13.1	1.0	439.2	472.1	424.6	14.6
SMDH 00184	812994.83	8194808.11	160.19	2.0	3.0	40.0	6239.3	3.7	16.5	2009.0	22.4	377.9	66.2	190.6	121.3	197.3	213.6	3.4	11.9	0.9	285.4	298.6	279.1	6.3
SMDH 00184	812994.83	8194808.11	160.19	3.0	4.0	60.0	3516.6	1.9	11.2	800.6	27.8	420.7	41.9	120.6	76.8	124.8	135.2	1.7	8.4	0.9	211.6	228.9	204.2	7.4
SMDH 00184	812994.83	8194808.11	160.19	4.0	5.0	70.0	3096.0	1.7	9.4	734.7	18.0	427.7	37.4	107.6	68.5	111.4	120.6	1.5	6.8	0.9	152.9	163.8	148.1	4.9
SMDH 00184	812994.83	8194808.11	160.19	5.0	6.0	70.0	5002.9	2.8	16.6	1029.5	24.6	518.3	80.1	230.7	146.9	238.8	258.5	2.5	12.7	1.0	287.8	302.8	280.9	6.8
SMDH 00184	812994.83	8194808.11	160.19	6.0	7.0	50.0	4386.9	2.5	14.1	951.9	36.1	476.5	67.3	193.8	123.3	200.5	217.1	2.2	10.8	0.8	272.9	296.2	263.3	9.6
SMDH 00184	812994.83	8194808.11	160.19	7.0	8.0	75.0	4929.3	2.7	16.5	973.4	38.7	510.0	74.6	214.9	136.8	222.4	240.8	2.5	12.8	1.0	315.3	339.3	304.3	11.0
SMDH 00184	812994.83	8194808.11	160.19	8.0	9.0	80.0	4922.5	3.0	11.5	1631.6	34.8	632.0	54.2	156.0	99.3	161.4	174.8	2.7	7.6	0.9	222.9	245.2	213.0	9.9
SMDH 00184	812994.83	8194808.11	160.19	9.0	10.0	60.0	5425.8	3.1	18.8	995.4	54.0	435.5	85.8	247.2	157.4	255.9	277.1	2.8	14.7	1.0	235.3	271.1	221.3	14.1
SMDH 00184	812994.83	8194808.11	160.19	10.0	11.0	95.0	5817.8	3.2	20.0	1093.0	64.3	573.7	89.7	258.5	164.5	267.5	289.7	2.9	15.7	1.1	341.3	383.3	324.2	17.1
SMDH 00184	812994.83	8194808.11	160.19	11.0	12.0	90.0	5496.7	3.0	18.3	1114.4	45.9	598.8	99.1	285.5	181.7	295.5	319.9	2.7	14.2	1.2	376.3	406.4	365.1	11.2
SMDH 00184	812994.83	8194808.11	160.19	12.0	13.0	50.0	3499.8	1.8	9.2	1093.1	21.8	357.7	45.7	131.6	83.8	136.2	147.5	1.6	6.2	1.2	275.1	288.6	269.7	5.4
SMDH 00184	812994.83	8194808.11	160.19	13.0	14.0	80.0	5885.2	3.4	18.9	1156.6	67.4	735.8	99.0	285.1	181.5	295.1	319.5	3.0	14.2	1.4	206.0	250.0	188.1	17.9
SMDH 00185	812878.19	8194829.80	160.03	0.0	1.0	30.0	3271.7	1.4	9.6	876.0	47.4	876.1	51.1	147.3	93.8	152.4	165.1	1.1	7.5	0.7	516.7	545.9	503.2	13.5
SMDH 00185	812878.19	8194829.80	160.03	1.0	2.0	30.0	4764.3	2.5	14.5	1193.3	37.9	560.3	67.8	195.4	124.4	202.2	218.9	2.2	10.7	1.3	350.2	373.7	339.5	10.8
SMDH 00185	812878.19	8194829.80	160.03	2.0	3.0	40.0	5114.0	3.0	14.1	1438.6	32.4	423.2	65.8	189.6	120.7	196.2	212.4	2.8	9.9	1.2	292.0	311.6	282.3	9.7
SMDH 00185	812878.19	8194829.80	160.03	3.0	4.0	70.0	3041.5	1.7	8.8	785.7	17.4	196.5	39.1	112.5	71.6	116.5	126.1	1.6	5.9	1.2	145.6	155.8	140.5	5.1
SMDH 00185	812878.19	8194829.80	160.03	4.0	5.0	85.0	4636.1	2.7	14.2	1106.2	34.6	384.8	61.3	176.7	112.5	182.8	198.0	2.4	10.3	1.2	278.1	299.6	268.1	10.0
SMDH 00185	812878.19	8194829.80	160.03	5.0	6.0	70.0	4842.9	2.7	15.0	1094.7	41.6	608.9	65.1	187.5	119.3	194.0	210.1	2.4	11.1	1.3	303.5	329.7	291.6	11.9
SMDH 00185	812878.19	8194829.80	160.03	6.0	7.0	50.0	5289.3	3.0	15.7	1291.1	59.3	646.8	72.6	209.1	133.1	216.4	234.4	2.7	11.4	1.3	357.0	395.3	340.5	16.5
SMDH 00185	812878.19	8194829.80	160.03	7.0	8.0	60.0	5459.9	3.0	17.3	1203.3	59.4	652.3	82.4	237.3	151.0	245.5	265.9	2.7	13.0	1.4	401.5	439.9	385.1	16.4
SMDH 00186	812749.35	8194816.82	159.57	0.0	1.0	40.0	4139.3	2.0	14.1	720.4	56.6	958.2	75.2	216.5	137.8	224.0	242.6	1.8	11.3	0.8	385.2	420.2	368.0	17.2
SMDH 00186	812749.35	8194816.82	159.57	1.0	2.0	50.0	4810.0	2.5	17.3	787.4	48.5	441.7	95.6	275.3	175.2	284.9	308.5	2.3	13.5	1.2	328.2	358.5	313.7	14.5
SMDH 00186	812749.35	8194816.82	159.57	2.0	3.0	60.0	5611.5	3.9	15.2	1424.1	12.6	450.3	56.4	162.3	103.3	168.0	181.9	3.7	10.1	1.1	110.0	116.9	106.4	3.7
SMDH 00186	812749.35	8194816.82	159.57	3.0	4.0	40.0	4547.9	3.0	11.7	1296.1	18.3	356.7	46.8	134.7	85.7	139.4	151.0	2.8	7.7	1.0	211.0	221.6	205.6	5.3
SMDH 00186	812749.35	8194816.82	159.57	4.0	5.0	50.0	4902.9	2.9	12.5	1532.1	40.0	496.5	61.1	175.8	111.9	182.0	197.1	2.6	8.7	0.9	355.6	380.3	343.8	11.9
SMDH 00186	812749.35	8194816.82	159.57	5.0	6.0	65.0	4478.8	2.9	13.4	1001.2	11.9	344.4	59.2	170.6	108.6	176.5	191.2	2.7	9.4	1.1	161.3	168.0	157.9	3.4
SMDH 00186	812749.35	8194816.82	159.57	6.0	7.0	80.0	4733.6	3.0	13.7	1131.5	27.4	490.8	67.7	194.9	124.1	201.7	218.5	2.7	9.7	1.0	221.7	239.1	214.8	6.9
SMDH 00186	812749.35	8194816.82	159.57	7.0	8.0	85.0	4350.4	2.3	13.4	1036.7	31.8	525.6	74.0	213.3	135.8	220.7	239.0	2.1	9.9	1.1	386.8	407.0	378.7	8.1
SMDH 00186	812749.35	8194816.82	159.57	8.0	9.0	90.0	4035.2	2.2	11.5	1036.4	32.4	659.9	65.1	187.6	119.4	194.2	210.2	1.9	8.1	1.2	371.4	390.5	361.2	10.1
SMDH 00186	812749.35	8194816.82	159.57	9.0	10.0	85.0	3828.4	1.9	11.4	950.1	28.3	569.5	64.1	184.7	117.5	191.1	206.9	1.7	8.2	1.3	414.5	430.9	405.7	8.9
SMDH 00186	812749.35	8194816.82	159.57	10.0	11.0	85.0	4056.2	2.0	11.3	1171.7	30.9	634.0	64.0	184.4	117.4	190.9	206.7	1.7	8.1	1.2	541.8	560.3	533.0	8.8
SMDH 00187	812634.79	8194825.88	159.84	0.0	1.0	20.0	3714.4	1.9	12.9	568.4	58.6	731.8	78.3	225.4	143.5	233.2	252.6	1.7	10.2	0.8	229.0	269.3	215.2	13.8
SMDH 00187	812634.79	8194825.88	159.84	1.0	2.0	60.0	5514.9	3.0	21.5	591.3	51.5	521.7	122.2	351.8	223.9	364.1	394.3	2.8	17.1	1.3	217.7	253.0	205.7	12.0
SMDH 00187	812634.79	8194825.88	159.84	2.0	3.0	40.0	4674.2	2.4	17.7	722.2	37.2	385.4	70.5	203.0	129.2	210.1	227.5	2.2	14.3	0.9	353.4	377.8	344.1	9.3
SMDH 00187	812634.79	8194825.88	159.84	3.0	4.0	50.0	8233.2	5.1	29.3	1118.7	47.9	450.9	206.9	595.9	379.3	616.7	667.8	4.7	22.0	2.2	292.1	322.8	278.6	13.5
SMDH 00187	812634.79	8194825.88	159.84	4.0	5.0	60.0	6658.7	3.8	23.4	1126.2	43.1	593.4	90.5	260.7	166.0	269.8	292.2	3.5	18.1	1.5	363.1	390.3	351.0	12.1
SMDH 00187	812634.79	8194825.88	159.84	5.0	6.0	60.0	5367.0	3.1	18.4	943.9	34.1	484.5	97.9	281.8	179.4	291.7	315.8	2.8	14.0	1.3	290.2	311.3	280.4	9.8
SMDH 00187	812634.79	8194825.88	159.84	6.0	7.0	70.0	7591.4	4.6	25.3	1437.3	29.9	502.3	141.4	407.2	259.2	421.4	456.3	4.2	19.1	1.7	364.3	382.3	355.4	8.9
SMDH 00187	812634.79	8194825.88	159.84	7.0	8.0	98.0	8765.2	5.4	27.3	1968.6	25.6	481.8	144.6	416.5	265.1	431.1	466.8	5.0	19.9	2.0	443.1	457.8	435.6	7.5
SMDH 00187	812634.79	8194825.88	159.84	8.0	9.0	98.0	8840.1	5.4	29.4	1724.8	25.2	426.3	147.2	424.0	269.9	438.8	475.1	5.0	22.0	1.9	335.5	350.5	328.3	7.2
SMDH 00187	812634.79	8194825.88	159.84	9.0	10.0	75.0	7974.0	4.7	27.3	1429.8	31.1	491.1	135.6	390.5	248.6	404.1	437.6	4.4	20.6	2.0	312.8	331.5	303.5	9.3
SMDH 00187	812634.79	8194825.88	159.84	10.0	11.0	50.0	5381.1	3.1	12.8	1855.5	12.6	365.7	45.3	130.3	83.0	134.9	146.1	2.9	7.8	1.9	190.5	197.4	186.8	3.7
SMDH 00188	814496.51	8194936.74	173.38	0.0	1.0	60.0	5568.2	2.6	19.3	1021.2	35.8	1458.5	99.2	285.8	182.0	295.8	320.3	2.2	16.3	0.4	632.7	652.0	620.1	12.6
SMDH 00188	814496.51	8194936.74	173.38	1.0	2.0	50.0	4835.2	2.4	18.7	539.0	40.3	609.3	123.9	356.8	227.1	369.3	399.9	2.1	14.6	1.7	300.6	324.4	287.8	12.7
SMDH 00188	814496.51	8194936.74	173.38	2.0	3.0	75.0	4524.3	2.3	16.7	617.9	43.3	501.2	109.8	316.2	201.3	327.2	354.3	2.0	12.8	1.6	318.8	344.0	304.3	14.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00188	814496.51	8194936.74	173.38	3.0	4.0	80.0	5606.6	3.1	17.8	1272.3	59.4	550.2	92.2	265.6	169.1	274.9	297.7	2.8	13.4	1.3	401.9	439.6	385.4	16.5
SMDH 00188	814496.51	8194936.74	173.38	4.0	5.0	80.0	5527.7	3.1	18.0	1134.6	63.1	534.9	98.7	284.1	180.9	294.0	318.4	2.8	13.6	1.3	328.5	369.9	312.1	16.4
SMDH 00188	814496.51	8194936.74	173.38	5.0	6.0	90.0	4556.3	2.5	14.6	950.5	39.5	505.7	72.5	208.9	133.0	216.2	234.1	2.3	10.8	1.3	250.0	275.4	239.8	10.3
SMDH 00188	814496.51	8194936.74	173.38	6.0	7.0	75.0	5289.9	3.0	16.5	1192.5	58.8	557.7	78.4	225.7	143.7	233.6	253.0	2.7	12.3	1.2	312.4	350.5	297.1	15.4
SMDH 00188	814496.51	8194936.74	173.38	7.0	8.0	85.0	5387.5	3.0	17.0	1175.7	55.8	571.7	78.6	226.3	144.1	234.2	253.6	2.8	12.7	1.3	294.1	330.3	279.1	15.0
SMDH 00188	814496.51	8194936.74	173.38	8.0	9.0	90.0	6297.7	3.6	19.3	1473.9	48.9	622.8	95.7	275.7	175.5	285.3	308.9	3.3	14.4	1.3	335.4	366.9	322.1	13.4
SMDH 00188	814496.51	8194936.74	173.38	9.0	10.0	80.0	5393.5	3.1	15.5	1436.6	42.1	427.6	83.0	238.9	152.1	247.3	267.7	2.8	11.1	1.2	321.9	347.4	309.2	12.7
SMDH 00188	814496.51	8194936.74	173.38	10.0	11.0	98.0	6153.4	3.5	19.1	1364.7	50.7	752.3	98.9	284.8	181.3	294.7	319.1	3.2	14.3	1.3	360.5	392.3	346.2	14.3
SMDH 00188	814496.51	8194936.74	173.38	11.0	12.0	95.0	5639.5	3.2	18.2	1211.4	44.9	469.6	98.9	284.8	181.3	294.7	319.1	2.9	13.7	1.2	309.3	338.1	297.0	12.4
SMDH 00188	814496.51	8194936.74	173.38	12.0	13.0	95.0	5440.6	3.1	16.5	1310.5	55.1	567.9	85.8	247.2	157.3	255.8	277.0	2.8	12.2	1.2	377.4	410.7	360.2	17.2
SMDH 00188	814496.51	8194936.74	173.38	13.0	14.0	95.0	5855.7	3.2	18.8	1283.3	64.6	568.5	81.9	236.0	150.2	244.3	264.5	2.9	14.3	1.3	368.0	409.6	350.6	17.4
SMDH 00188	814496.51	8194936.74	173.38	14.0	15.0	90.0	5717.3	3.2	17.9	1269.3	64.3	666.2	86.7	249.7	158.9	258.4	279.8	2.9	13.4	1.3	328.5	369.8	310.7	17.8
SMDH 00188	814496.51	8194936.74	173.38	15.0	16.0	90.0	5728.6	3.2	17.5	1341.1	59.8	706.5	85.3	245.8	156.4	254.3	275.4	2.9	13.0	1.3	363.0	401.3	346.7	16.4
SMDH 00189	814378.15	8194941.95	173.84	0.0	1.0	40.0	4742.9	2.3	15.9	775.9	42.3	1274.1	174.7	503.2	320.3	520.8	564.0	1.9	12.7	0.8	410.5	437.1	398.8	11.7
SMDH 00189	814378.15	8194941.95	173.84	1.0	2.0	75.0	6201.3	3.1	24.5	614.9	32.9	907.1	148.8	428.5	272.7	443.4	480.2	2.8	19.6	1.7	356.9	376.3	346.9	10.1
SMDH 00189	814378.15	8194941.95	173.84	2.0	3.0	50.0	4986.6	2.7	18.6	651.2	38.0	562.8	95.1	273.8	174.3	283.4	306.9	2.4	14.5	1.4	277.0	299.4	264.5	12.5
SMDH 00189	814378.15	8194941.95	173.84	3.0	4.0	75.0	5596.0	3.1	17.7	1253.3	47.5	548.1	91.8	264.3	168.2	273.5	296.2	2.8	13.2	1.3	362.3	392.2	348.9	13.3
SMDH 00189	814378.15	8194941.95	173.84	4.0	5.0	95.0	4515.5	2.6	14.8	914.9	25.5	417.3	64.2	184.9	117.7	191.3	207.2	2.4	11.0	1.2	144.9	160.8	137.7	7.2
SMDH 00189	814378.15	8194941.95	173.84	5.0	6.0	90.0	5033.5	2.9	16.7	1004.5	30.3	357.6	83.6	240.8	153.3	249.2	269.9	2.7	12.6	1.2	221.7	240.2	212.7	9.0
SMDH 00189	814378.15	8194941.95	173.84	6.0	7.0	80.0	4686.9	2.7	13.8	1179.2	31.4	442.4	62.5	180.0	114.6	186.3	201.8	2.5	10.0	1.1	225.5	244.9	216.8	8.7
SMDH 00189	814378.15	8194941.95	173.84	7.0	8.0	90.0	5080.1	2.9	16.5	1017.9	35.7	533.4	87.4	251.6	160.2	260.4	282.0	2.6	12.3	1.3	234.0	256.2	223.6	10.4
SMDH 00189	814378.15	8194941.95	173.84	8.0	9.0	90.0	6640.9	3.9	21.7	1357.2	50.0	576.7	94.9	273.3	173.9	282.8	306.2	3.6	16.4	1.4	294.5	326.2	280.2	14.3
SMDH 00189	814378.15	8194941.95	173.84	9.0	10.0	70.0	5794.1	3.4	19.1	1156.3	35.3	503.1	84.1	242.1	154.1	250.6	271.3	3.1	14.4	1.3	239.3	261.2	229.1	10.2
SMDH 00190	814260.00	8194948.57	172.99	0.0	1.0	20.0	4604.2	2.0	13.1	1180.2	69.6	1511.8	108.5	312.6	199.0	323.5	350.3	1.6	10.6	0.6	702.3	745.2	682.1	20.2
SMDH 00190	814260.00	8194948.57	172.99	1.0	2.0	50.0	5659.7	3.1	20.7	791.0	44.6	582.7	149.9	431.8	274.9	446.9	484.0	2.8	16.3	1.3	301.0	328.7	287.4	13.6
SMDH 00190	814260.00	8194948.57	172.99	2.0	3.0	60.0	7231.3	4.3	25.3	1115.2	57.2	552.8	237.5	683.9	435.4	707.8	766.5	3.9	19.9	1.1	245.4	281.7	228.6	16.8
SMDH 00190	814260.00	8194948.57	172.99	3.0	4.0	80.0	4538.6	2.5	13.2	1198.6	50.6	488.6	63.9	184.2	117.2	190.6	206.4	2.2	9.6	1.1	340.3	372.0	325.8	14.6
SMDH 00190	814260.00	8194948.57	172.99	4.0	5.0	98.0	4678.7	2.6	14.9	986.8	57.9	497.6	95.7	275.7	175.5	285.4	309.0	2.3	11.3	1.0	281.7	318.2	264.7	17.0
SMDH 00190	814260.00	8194948.57	172.99	5.0	6.0	95.0	4004.0	2.2	13.3	826.0	33.4	328.1	64.9	187.0	119.0	193.5	209.6	2.0	10.1	1.0	230.0	250.7	220.2	9.9
SMDH 00190	814260.00	8194948.57	172.99	6.0	7.0	75.0	4339.0	2.4	13.3	1044.1	42.7	442.3	65.5	188.7	120.1	195.3	211.4	2.1	9.8	1.1	285.3	312.2	273.0	12.3
SMDH 00190	814260.00	8194948.57	172.99	7.0	8.0	85.0	4894.4	2.7	15.3	1095.4	52.4	530.3	77.4	223.0	141.9	230.7	249.9	2.5	11.4	1.2	292.2	325.0	276.9	15.3
SMDH 00190	814260.00	8194948.57	172.99	8.0	9.0	90.0	4962.1	2.8	15.6	1098.7	56.0	536.5	78.0	224.6	143.0	232.4	251.7	2.5	11.7	1.1	295.3	331.3	279.5	15.8
SMDH 00190	814260.00	8194948.57	172.99	9.0	10.0	90.0	4758.9	2.6	13.7	1213.4	58.2	747.6	69.7	200.7	127.8	207.7	225.0	2.3	10.0	1.1	349.6	385.7	332.4	17.2
SMDH 00190	814260.00	8194948.57	172.99	10.0	11.0	85.0	4994.7	2.7	14.9	1258.3	55.8	487.4	78.1	224.8	143.1	232.7	252.0	2.5	11.0	1.2	369.7	404.1	353.1	16.6
SMDH 00190	814260.00	8194948.57	172.99	11.0	12.0	95.0	5641.7	3.0	17.3	1363.4	61.9	753.2	58.7	169.0	107.6	174.9	189.4	2.7	13.1	1.2	419.6	458.6	401.5	18.1
SMDH 00190	814260.00	8194948.57	172.99	12.0	13.0	90.0	5894.7	3.3	18.4	1421.4	52.2	488.9	86.6	249.3	158.7	258.0	279.4	3.0	14.0	1.1	376.8	409.6	361.8	15.0
SMDH 00190	814260.00	8194948.57	172.99	13.0	14.0	80.0	6038.3	3.3	19.7	1246.3	63.6	742.1	79.0	227.4	144.8	235.4	254.9	3.0	15.1	1.2	388.1	428.0	369.4	18.7
SMDH 00191	814138.89	8194955.04	171.25	0.0	1.0	50.0	4585.1	1.9	12.5	1332.6	78.2	1506.1	53.8	155.0	98.7	160.4	173.7	1.5	10.0	0.6	791.5	839.6	767.9	23.6
SMDH 00191	814138.89	8194955.04	171.25	1.0	2.0	50.0	4519.1	2.2	17.6	582.0	31.0	530.6	66.9	192.6	122.6	199.4	215.9	2.0	14.2	1.2	325.4	343.9	316.0	9.4
SMDH 00191	814138.89	8194955.04	171.25	2.0	3.0	80.0	6226.9	3.4	20.6	1354.2	41.3	503.8	78.8	226.9	144.4	234.8	254.2	3.1	15.9	1.2	330.6	356.3	318.5	12.0
SMDH 00191	814138.89	8194955.04	171.25	3.0	4.0	80.0	6889.5	3.8	21.9	1637.9	54.8	565.3	86.6	249.3	158.7	258.0	279.4	3.5	16.8	1.2	411.9	446.3	396.1	15.8
SMDH 00191	814138.89	8194955.04	171.25	4.0	5.0	85.0	7010.2	3.8	20.3	1721.9	71.5	1370.1	93.3	268.6	171.0	278.0	301.0	3.4	15.2	1.3	410.1	456.1	390.4	19.7
SMDH 00191	814138.89	8194955.04	171.25	5.0	6.0	95.0	4769.0	2.6	14.5	1170.7	55.3	598.5	72.0	207.2	131.9	214.5	232.2	2.3	10.9	1.0	352.0	386.7	336.3	15.8
SMDH 00191	814138.89	8194955.04	171.25	6.0	7.0	80.0	5836.2	3.2	16.8	1562.8	56.1	728.0	85.3	245.5	156.3	254.1	275.2	2.9	12.5	1.2	434.1	469.0	418.1	16.0
SMDH 00191	814138.89	8194955.04	171.25	7.0	8.0	98.0	6930.2	4.0	18.7	2040.7	61.2	675.8	100.0	288.1	183.4	298.2	322.9	3.6	13.4	1.2	405.6	443.9	388.2	17.4
SMDH 00191	814138.89	8194955.04	171.25	8.0	9.0	85.0	4946.8	2.7	15.1	1186.0	40.4	533.2	81.8	235.7	150.0	243.9	264.2	2.5	11.2	1.2	328.2	353.2	316.8	11.4
SMDH 00191	814138.89	8194955.04	171.25	9.0	10.0	80.0	5359.2	2.9	16.8	1254.4	59.2	550.7	79.8	229.9	146.4	238.0	257.7	2.6	12.8	1.2	427.6	464.5	410.6	17.1
SMDH 00192	814020.97	8194955.99	169.01	0.0	1.0	50.0	5111.7	2.0	12.6	1702.1	75.5	1846.7	69.4	200.0	127.3	206.9	224.1	1.5	9.8	0.8	1008.4	1053.7	985.9	22.6
SMDH 00192	814020.97	8194955.99	169.01	1.0	2.0	50.0	5668.1	2.8	18.4	1241.0	66.7	788.0	103.7	298.6	190.0	309.0	334.6	2.5	14.3	1.3	579.7	621.6	560.8	18.9
SMDH 00192	814020.97	8194955.99	169.01	2.0	3.0	75.0	6119.7	3.0	18.5	1588.2	85.3	877.5	108.0	311.1	198.0	321.9	348.6	2.6	14.3	1.3	752.0	805.5	727.5	24.6
SMDH 00192	814020.97	8194955.99	169.01	3.0	4.0	40.0	5276.7	2.6	15.2	1492.1	70.3	701.8	87.7	252.7	160.8	261.5	283.2	2.3	11.4	1.2	630.1	672.3	608.3	21.8
SMDH 00192	814020.97	8194955.99	169.01	4.0	5.0	90.0	5045.8	2.5	14.7	1393.8	60.1	656.5	84.0	242.0	154.1	250.5	271.3	2.2	11.0	1.2	557.4	594.1	540.0	17.4
SMDH 00192	814020.97	8194955.99	169.01	5.0	6.0	80.0	5462.8	2.7	14.9	1696.3	60.0	699.8	87.7	252.7	160.8	261.5	283.2	2.4	10.9	1.2	665.6	702.1	648.4	17.3
SMDH 00193	813898.47	8194938.05	166.38	0.0	1.0	40.0	2312.6	0.9	6.2	704.7	36.4	716.6	41.9	120.8	76.9	125.0	135.3	0.7	5.0	0.3	417.0	439.7	406.8	10.2
SMDH 00193	813898.47	8194938.05	166.38	1.0	2.0	40.0	2798.4	1.3	9.4	557.6	37.0	562.5	54.4	156.8	99.8	162.3	175.7	1.1	7.5	0.7	334.8	357.6	323.9	10.9
SMDH 00193	813898.47	8194938.05	166.38	2.0	3.0	60.0	3941.0	1.9	13.6	784.8	36.1	529.4	59.3	170.9	108.8	176.8	191.5	1.7	10.8	0.9	385.9	408.0	375.5	10.4
SMDH 00193	813898.47	8194938.05	166.38	3.0	4.0	75.0	4584.0	2.4	13.5	1220.6	54.2	551.1	70.3	202.4	128.9	209.5	226.9	2.1	10.0	1.1	443.3	477.2	427.9	15.4
SMDH 00193	813898.47	8194938.05	166.38	4.0	5.0	95.0	4829.6	2.6	13.8	1263.4	54.0	658.2	75.1	216.2	137.6	223.8	242.3	2.3	10.0	1.2	366.0	400.4	350.9	15.1
SMDH 00193	813898.47	8194938.05	166.38	5.0	6.0	90.0	6387.5	3.7	15.2	2227.6	46.8	654.3	74.5	214.5	136.5	222.0	240.4	3.3	10.5	1.0	433.9	463.7	421.2	12.8
SMDH 00193	813898.47	8194938.05	166.38	6.0	7.0	90.0	5418.9	2.8	16.7	1323.1	76.7	656.5	84.1	242.2	154.2	250.7	271.5	2.5	12.7	1.2	507.1	555.5	484.9	22.2
SMDH 00193	813898.47	8194938.05	166.38	7.0	8.0	95.0	4690.9	2.4	14.0	1206.3	59.8	528.4	69.4	199.9	127.2	206.9	224.0	2.2	10.3	1.2	420.7	459.3	404.4	16.3
SMDH 00193	813898.47	8194938.05	166.38	8.0	9.0	90.0	5187.0	2.7	15.4	1230.1	47.9	976.9	83.5	240.6	153.1	249.0	269.6	2.4	11.5	1.2	412.1	442.5	398.7	13.4
SMDH 00194	813777.03	8194943.86	164.56	0.0	1.0	45.0	2768.3	1.2	8.8	599.4	35.5	534.3	49.3	141.9	90.3	146.8	159.0	1.0	6.4	1.2	328.7	351.2	318.9	9.9
SMDH 00194	813777.03	8194943.86	164.56	1.0	2.0	60.0	5969.6	3.2	17.4	1612.4	48.9	756.3	90.3	260.1	165.5	269.2	291.5	2.9	13.0	1.1	672.9	703.0	659.4	13.6
SMDH 00194	813777.03	8194943.86	164.56	2.0	3.0	40.0	5482.5	2.9	11.2	2272.6	70.5	625.5	52.1	150.1	95.6	155.4	168.3	2.6	7.3	1.0	670.0	713.7	649.7	20.3
SMDH 00194	813777.03	8194943.86	164.56	3.0	4.0	80.0	5497.4	3.0	14.5	1671.8	64.8	731.9	79.4	228.7	145.6	236.7	256.4	2.7	10.3	1.1	472.6	514.5	455.3	17.2
SMDH 00194	813777.03	8194943.86	164.56	4.0	5.0	95.0	5312.6	2.9	14.3	1605.7	61.7	611.6	76.3	219.9	140.0	227.6	246.4	2.6	10.4	1.0	468.3	507.9	451.3	17.0
SMDH 00194	813777.03	8194943.86	164.56	5.0	6.0	95.0	5571.2	2.8	15.9	1538.7	78.2	794.1	85.8	247.1	157.3	255.7	276.9	2.5	11.8	1.3	592.8	643.1	571.2	21.6
SMDH 00194	813777.03	8194943.86	164.56	6.0	7.0	95.0	4772.6	2.4	14.1	1272.3	65.5	545.6	74.1	213.4	135.8	220.8	239.1	2.1	10.5	1.3	518.4	559.8	500.2	18.2
SMDH 00194	813777.03	8194943.86	164.56	7.0	8.0	85.0	5339.8	2.7	14.3	1684.9	59.1	644.3	76.5	220.5	140.3	228.2	247.1	2.4	10.3	1.2	628.9	665.9	612.2	16.7
SMDH 00194	813777.03	8194943.86	164.56	8.0	9.0	85.0	6104.3	3.1	16.6	1864.9	58.1	796.9	98.3	283.1	180.2	293.0	317.3	2.7	12.2	1.3	749.3	785.2	732.5	16.7
SMDH 00194	813777.03	8194943.86	164.56	9.0	10.0	80.0	5322.9	2.8	14.7	1537.3	38.2	760.2	93.6	269.5	171.6	278.9	302.1	2.4	10.7	1.3	590.5	613.0	579.3	11.2
SMDH 00195	813658.28	8194958.22	165.38	0.0	1.0	20.0	4804.1	1.9	10.8	1627.1	95.4	2081.3	60.3	173.8	110.6	179.8	194.7	1.4	8.1	0.8	929.4	989.3	901.3	28.1
SMDH 00195	813658.28	8194958.22	165.38	1.0	2.0	30.0	8263.0	5.1	14.1	3799.1	50.2	643.7	60.3	173.8	110.6	179.8	194.7	4.6	8.1	0.9	442.5	474.0	427.8	14.7
SMDH 00195	813658.28	8194958.22	165.38	2.0	3.0	40.0	7972.9	5.0	13.7	3651.1	49.0	500.4	56.4	162.5	103.5	168.2	182.2	4.5	7.8	0.9	375.3	406.4	361.3	14.0
SMDH 00195	813658.28	8194958.22	165.38	3.0	4.0	60.0	6146.0	3.5	14.4	2146.1	50.5	853.4	70.4	202.7	129.1	209.8	227.2	3.1	9.9	1.0	466.7	498.6	452.5	14.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00195	813658.28	8194958.22	165.38	4.0	5.0	80.0	5499.9	3.0	14.4	1717.6	54.8	633.8	77.4	222.8	141.8	230.6	249.7	2.7	10.3	1.2	482.9	517.4	467.1	15.8
SMDH 00195	813658.28	8194958.22	165.38	5.0	6.0	75.0	5399.8	2.9	13.9	1649.6	41.7	911.8	80.0	230.5	146.7	238.6	258.3	2.5	9.8	1.2	520.6	546.0	508.8	11.9
SMDH 00195	813658.28	8194958.22	165.38	6.0	7.0	50.0	6071.4	3.5	16.5	1670.1	38.3	932.5	104.9	302.1	192.3	312.6	338.6	3.1	11.8	1.2	424.7	447.9	413.6	11.2
SMDH 00195	813658.28	8194958.22	165.38	7.0	8.0	70.0	5142.4	2.8	13.9	1470.6	33.7	814.4	82.7	238.2	151.6	246.5	266.9	2.5	10.0	1.2	479.6	499.7	469.9	9.7
SMDH 00196	813537.85	8194953.27	164.07	0.0	1.0	50.0	3904.1	1.4	7.6	1493.3	93.0	1941.0	64.2	185.0	117.8	191.5	207.3	0.9	5.7	0.5	888.1	947.8	862.5	25.6
SMDH 00196	813537.85	8194953.27	164.07	1.0	2.0	40.0	5291.3	2.8	13.7	1693.8	70.7	594.0	77.0	221.7	141.1	229.4	248.4	2.5	9.7	1.1	495.9	541.4	476.3	19.6
SMDH 00196	813537.85	8194953.27	164.07	2.0	3.0	40.0	8610.2	4.3	16.6	2301.4	56.5	6219.6	82.5	237.6	151.3	245.9	266.3	3.3	11.2	1.2	520.1	556.5	505.0	15.0
SMDH 00196	813537.85	8194953.27	164.07	3.0	4.0	85.0	5403.6	2.6	18.4	1092.2	57.0	854.1	93.2	268.3	170.8	277.7	300.7	2.2	14.5	1.3	588.1	624.4	572.3	15.8
SMDH 00196	813537.85	8194953.27	164.07	4.0	5.0	95.0	7065.8	4.0	17.2	2400.1	61.4	789.3	93.4	268.9	171.2	278.3	301.4	3.6	12.0	1.2	612.0	650.3	594.2	17.8
SMDH 00196	813537.85	8194953.27	164.07	5.0	6.0	75.0	5629.0	2.9	16.3	1541.6	67.7	766.5	97.6	281.1	178.9	290.9	315.0	2.5	12.2	1.2	667.5	709.5	647.9	19.6
SMDH 00197	813419.86	8194948.35	162.40	0.0	1.0	40.0	3566.2	1.6	10.0	853.9	60.2	1372.7	49.2	141.7	90.2	146.7	158.8	1.3	7.9	0.5	417.4	456.1	400.7	16.7
SMDH 00197	813419.86	8194948.35	162.40	1.0	2.0	50.0	4587.5	2.5	12.7	1223.5	33.3	876.1	65.5	188.6	120.0	195.1	211.3	2.2	9.2	1.0	279.5	300.4	270.3	9.2
SMDH 00197	813419.86	8194948.35	162.40	2.0	3.0	75.0	5446.2	3.2	12.6	1917.1	29.7	705.9	65.9	189.9	120.9	196.5	212.8	2.8	8.4	1.0	295.7	314.3	287.8	7.9
SMDH 00197	813419.86	8194948.35	162.40	3.0	4.0	80.0	6793.3	3.7	17.4	2199.9	76.3	820.9	92.3	265.9	169.3	275.2	298.0	3.3	12.5	1.1	524.2	572.3	502.0	22.2
SMDH 00197	813419.86	8194948.35	162.40	4.0	5.0	80.0	5017.7	2.5	16.8	1028.3	62.5	698.5	79.2	228.2	145.3	236.2	255.8	2.2	13.1	1.2	421.5	461.7	403.7	17.9
SMDH 00197	813419.86	8194948.35	162.40	5.0	6.0	90.0	5601.7	3.3	15.5	1521.9	27.6	742.9	94.8	273.1	173.8	282.6	306.0	2.9	11.1	1.1	258.7	276.0	251.4	7.3
SMDH 00197	813419.86	8194948.35	162.40	6.0	7.0	85.0	4180.0	2.2	12.0	1083.1	45.7	711.8	63.4	182.7	116.3	189.1	204.7	1.9	8.8	1.0	343.2	372.6	330.7	12.5
SMDH 00197	813419.86	8194948.35	162.40	7.0	8.0	98.0	5127.2	2.6	16.3	1116.3	70.6	764.7	100.0	288.0	183.3	298.1	322.8	2.3	12.5	1.2	460.8	503.3	437.6	23.2
SMDH 00197	813419.86	8194948.35	162.40	8.0	9.0	90.0	4901.0	2.5	14.3	1297.4	81.2	740.3	78.9	227.2	144.6	235.1	254.6	2.2	10.7	1.1	469.6	522.3	447.5	22.1
SMDH 00197	813419.86	8194948.35	162.40	9.0	10.0	80.0	4256.6	2.0	12.9	1063.9	67.6	666.3	75.6	217.9	138.7	225.5	244.2	1.8	9.8	1.1	470.6	513.1	451.3	19.4
SMDH 00197	813419.86	8194948.35	162.40	10.0	11.0	75.0	3776.6	2.0	10.7	1042.8	48.9	514.6	53.2	153.3	97.6	158.7	171.8	1.7	7.7	1.0	314.9	346.8	301.8	13.0
SMDH 00198	813299.82	8194936.23	161.62	0.0	1.0	40.0	3682.7	1.6	9.1	970.0	62.6	1838.6	75.9	218.5	139.1	226.1	244.8	1.2	7.0	0.6	510.3	549.4	492.0	18.3
SMDH 00198	813299.82	8194936.23	161.62	1.0	2.0	50.0	5204.3	2.6	16.4	1052.1	54.1	1243.7	106.6	307.1	195.5	317.8	344.2	2.2	12.5	1.2	445.1	479.0	429.6	15.5
SMDH 00198	813299.82	8194936.23	161.62	2.0	3.0	70.0	4780.0	2.4	12.7	1375.2	60.4	1147.1	60.6	174.5	111.1	180.6	195.5	2.0	9.3	1.0	641.9	679.5	624.8	17.2
SMDH 00198	813299.82	8194936.23	161.62	3.0	4.0	50.0	5773.9	3.4	15.8	1621.1	22.7	619.0	85.2	245.4	156.2	254.0	275.0	3.1	11.2	1.2	354.1	367.5	347.8	6.3
SMDH 00198	813299.82	8194936.23	161.62	4.0	5.0	75.0	6276.5	3.7	18.2	1528.0	21.5	744.0	108.4	312.1	198.7	323.0	349.7	3.4	12.9	1.6	329.0	341.6	322.9	6.1
SMDH 00198	813299.82	8194936.23	161.62	5.0	6.0	70.0	5317.6	3.0	17.2	1041.1	18.6	605.4	102.0	293.6	186.9	303.9	329.1	2.7	12.4	1.7	283.0	293.6	277.5	5.5
SMDH 00198	813299.82	8194936.23	161.62	6.0	7.0	60.0	5831.2	3.4	17.4	1425.8	23.5	545.6	87.2	251.1	159.8	259.9	281.4	3.1	12.5	1.5	302.3	316.5	295.9	6.5
SMDH 00198	813299.82	8194936.23	161.62	7.0	8.0	98.0	5751.7	3.2	19.3	1023.8	33.5	813.3	111.1	319.9	203.6	331.1	358.5	2.9	14.6	1.5	366.1	386.6	356.5	9.6
SMDH 00198	813299.82	8194936.23	161.62	8.0	9.0	80.0	5805.2	3.1	19.7	1077.0	53.8	659.4	100.8	290.3	184.8	300.4	325.3	2.8	15.1	1.5	476.4	510.0	460.9	15.6
SMDH 00198	813299.82	8194936.23	161.62	9.0	10.0	75.0	5242.3	2.9	17.9	960.6	34.6	479.9	94.2	271.3	172.7	280.8	304.0	2.6	13.5	1.5	370.3	391.2	360.0	10.2
SMDH 00198	813299.82	8194936.23	161.62	10.0	11.0	90.0	5295.5	3.1	17.9	785.2	20.4	1044.6	93.7	270.0	171.9	279.4	302.6	2.8	13.6	1.2	224.4	236.6	218.7	5.7
SMDH 00198	813299.82	8194936.23	161.62	11.0	12.0	90.0	4736.9	2.6	16.4	822.7	34.8	499.0	87.3	251.4	160.0	260.2	281.7	2.3	12.6	1.3	365.2	386.5	354.8	10.3
SMDH 00198	813299.82	8194936.23	161.62	12.0	13.0	80.0	4924.3	2.7	16.8	870.0	31.6	580.2	90.3	260.1	165.5	269.2	291.5	2.5	12.7	1.4	389.7	409.1	380.9	8.8
SMDH 00198	813299.82	8194936.23	161.62	13.0	14.0	95.0	2864.5	1.6	9.4	541.2	15.9	222.1	45.3	130.3	83.0	134.9	146.1	1.4	6.5	1.3	149.4	158.6	144.7	4.8
SMDH 00199	813172.80	8194934.89	161.11	0.0	1.0	20.0	2092.7	1.0	6.5	443.5	27.7	589.6	43.9	126.4	80.4	130.8	141.6	0.8	5.1	0.4	217.1	234.4	209.1	8.0
SMDH 00199	813172.80	8194934.89	161.11	1.0	2.0	30.0	3241.5	1.5	9.5	741.7	49.4	1078.0	66.3	190.9	121.5	197.5	213.9	1.2	7.4	0.6	389.8	420.8	375.4	14.4
SMDH 00199	813172.80	8194934.89	161.11	2.0	3.0	75.0	4590.3	2.3	14.2	1032.4	51.3	920.1	71.6	206.2	131.2	213.4	231.0	2.1	11.0	0.9	458.6	491.0	444.2	14.4
SMDH 00199	813172.80	8194934.89	161.11	3.0	4.0	40.0	6789.8	4.7	17.4	1952.1	42.3	449.9	69.3	199.5	127.0	206.5	223.6	4.3	11.6	1.1	310.1	335.9	298.4	11.7
SMDH 00199	813172.80	8194934.89	161.11	4.0	5.0	75.0	5579.7	3.8	13.9	1619.9	31.9	487.1	56.9	163.8	104.3	169.6	183.6	3.6	9.3	0.8	265.2	283.9	255.9	9.3
SMDH 00199	813172.80	8194934.89	161.11	5.0	6.0	75.0																		
SMDH 00199	813172.80	8194934.89	161.11	6.0	7.0	85.0	4035.5	2.5	10.7	1154.6	17.7	415.2	44.7	128.7	81.9	133.2	144.3	2.3	7.3	0.8	261.2	271.0	256.3	5.0
SMDH 00199	813172.80	8194934.89	161.11	7.0	8.0	85.0	3468.1	1.9	10.1	789.5	11.7	730.4	51.6	148.7	94.7	153.9	166.7	1.7	7.1	1.0	186.7	192.9	183.3	3.4
SMDH 00199	813172.80	8194934.89	161.11	8.0	9.0	80.0	4092.1	2.2	11.6	1046.8	24.7	840.7	61.5	177.0	112.7	183.2	198.4	1.9	8.5	1.0	430.1	443.9	422.7	7.4
SMDH 00200	813052.59	8194924.33	160.68	0.0	1.0	50.0	2277.6	1.1	6.8	513.3	42.1	644.6	46.2	133.1	84.7	137.8	149.2	0.9	5.3	0.4	256.7	283.9	244.9	11.8
SMDH 00200	813052.59	8194924.33	160.68	1.0	2.0	60.0	2572.5	1.2	8.2	543.3	42.3	558.3	54.2	156.0	99.3	161.5	174.9	1.0	6.4	0.6	285.5	312.9	274.0	11.5
SMDH 00200	813052.59	8194924.33	160.68	2.0	3.0	50.0	3016.1	1.3	7.7	771.6	52.2	1369.7	52.0	149.7	95.3	154.9	167.8	1.0	5.9	0.5	405.1	438.2	390.4	14.7
SMDH 00200	813052.59	8194924.33	160.68	3.0	4.0	60.0	5689.5	2.9	14.9	1622.3	70.1	1507.6	84.9	244.6	155.7	253.1	274.1	2.5	11.2	0.8	651.5	695.6	632.0	19.5
SMDH 00200	813052.59	8194924.33	160.68	4.0	5.0	75.0	5529.3	2.6	11.8	2219.9	79.1	1079.6	70.1	201.9	128.5	209.0	226.3	2.2	8.5	0.8	1054.2	1102.2	1031.1	23.0
SMDH 00200	813052.59	8194924.33	160.68	5.0	6.0	80.0	6558.4	4.2	18.9	1582.2	41.6	597.0	79.4	228.8	145.6	236.8	256.4	3.9	13.5	1.2	318.8	344.4	306.7	12.1
SMDH 00200	813052.59	8194924.33	160.68	6.0	7.0	75.0	5114.5	2.8	17.6	877.5	50.4	753.3	80.4	231.7	147.5	239.8	259.7	2.5	13.7	1.1	401.3	433.1	387.0	14.2
SMDH 00200	813052.59	8194924.33	160.68	7.0	8.0	75.0	5222.9	3.0	16.7	1059.6	43.8	643.9	79.4	228.8	145.6	236.8	256.4	2.8	12.6	1.1	340.8	368.0	328.0	12.7
SMDH 00200	813052.59	8194924.33	160.68	8.0	9.0	80.0	3959.7	2.4	12.8	739.9	10.8	479.6	52.6	151.6	96.5	156.8	169.8	2.2	9.3	1.1	71.8	77.7	68.6	3.2
SMDH 00201	812935.86	8194946.07	159.95	0.0	1.0	30.0	4289.1	2.0	12.2	1088.7	87.6	1064.9	100.2	288.6	183.7	298.7	323.5	1.6	9.3	0.9	543.2	599.9	519.0	24.1
SMDH 00201	812935.86	8194946.07	159.95	1.0	2.0	40.0	4780.9	2.4	15.1	1048.4	74.3	787.1	109.7	315.9	201.1	327.0	354.1	2.0	11.6	1.1	486.0	533.9	465.6	20.4
SMDH 00201	812935.86	8194946.07	159.95	2.0	3.0	30.0	4171.0	1.8	11.7	1037.4	66.7	1462.1	82.6	237.9	151.4	246.2	266.6	1.5	9.0	0.9	583.3	625.6	564.5	18.8
SMDH 00201	812935.86	8194946.07	159.95	3.0	4.0	50.0	4537.7	2.1	13.4	1054.4	57.9	1356.6	71.9	207.2	131.9	214.4	232.2	1.8	10.4	0.9	517.8	554.6	501.6	16.3
SMDH 00201	812935.86	8194946.07	159.95	4.0	5.0	50.0	4201.0	1.7	11.3	1228.0	59.9	1331.4	74.9	215.7	137.3	223.3	241.8	1.4	8.8	0.8	707.6	745.2	690.8	16.8
SMDH 00201	812935.86	8194946.07	159.95	5.0	6.0	75.0	9120.1	2.9	18.7	4753.3	161.6	858.9	102.9	296.3	188.6	306.6	332.1	2.2	15.0	0.8	2896.9	2998.2	2852.7	44.2
SMDH 00201	812935.86	8194946.07	159.95	6.0	7.0	40.0	3361.9	1.4	11.0	741.0	43.5	606.1	55.3	159.2	101.4	164.8	178.5	1.2	8.3	1.2	432.3	459.5	419.8	12.5
SMDH 00201	812935.86	8194946.07	159.95	7.0	8.0	85.0	4877.8	2.7	15.3	1126.7	55.1	514.4	51.9	149.4	95.1	154.6	167.4	2.5	11.5	1.1	373.1	408.1	357.8	15.4
SMDH 00201	812935.86	8194946.07	159.95	8.0	9.0	80.0	5485.6	3.2	15.1	1535.1	70.5	593.0	66.0	190.2	121.1	196.8	213.2	2.9	11.0	1.0	452.4	496.3	431.6	20.9
SMDH 00201	812935.86	8194946.07	159.95	9.0	10.0	75.0	5766.8	3.1	19.5	1205.9	64.7	490.5	68.5	197.2	125.5	204.1	221.0	2.9	15.4	1.0	456.0	497.0	437.4	18.6
SMDH 00201	812935.86	8194946.07	159.95	10.0	11.0	90.0	6194.3	3.4	21.1	1195.5	65.8	495.2	82.4	237.4	151.1	245.7	266.0	3.2	16.1	1.5	388.3	430.2	369.7	18.5
SMDH 00201	812935.86	8194946.07	159.95	11.0	12.0	90.0	2725.3	1.4	8.5	643.9	17.9	460.4	26.6	76.5	48.7	79.2	85.7	1.3	6.4	0.6	217.8	228.2	212.8	5.0
SMDH 00201	812935.86	8194946.07	159.95	12.0	13.0	75.0	4107.5	2.1	12.9	1004.8	33.1	364.5	65.9	189.7	120.7	196.3	212.6	1.9	9.6	1.2	411.9	431.9	402.2	9.7
SMDH 00201	812935.86	8194946.07	159.95	13.0	14.0	85.0	4809.1	2.7	17.6	729.2	18.1	467.4	80.7	232.5	148.0	240.6	260.5	2.4	13.8	1.1	231.1	241.7	226.0	5.1
SMDH 00201	812935.86	8194946.07	159.95	14.0	15.0	95.0	4167.8	2.1	13.8	884.0	38.2	519.9	70.1	201.9	128.5	209.0	226.3	1.9	10.5	1.2	387.5	411.2	376.6	10.9
SMDH 00201	812935.86	8194946.07	159.95	15.0	16.0	60.0	4909.7	2.7	16.3	1019.7	34.6	405.9	61.6	177.4	113.0	183.6	198.9	2.5	12.5	1.1	326.4	348.2	316.9	9.6
SMDH 00202	812816.81	8194942.12	159.70	0.0	1.0	30.0	5263.6	2.7	17.9	866.1	58.5	1198.4	102.0	293.6	186.9	303.9	329.1	2.3	14.1	1.1	397.3	434.4	380.7	16.6
SMDH 00202	812816.81	8194942.12	159.70	1.0	2.0	60.0	4904.3	2.6	17.3	772.5	54.6	683.4	110.7	318.7	202.9	329.8	357.2	2.3	13.4	1.3	335.1	370.2	319.9	15.2
SMDH 00202	812816.81	8194942.12	159.70	2.0	3.0	60.0	3590.8	1.6	9.8	863.1	45.9	1546.1	64.1	184.6	117.5	191.0	206.9	1.3	7.6	0.6	448.3	476.7	434.9	13.4
SMDH 00202	812816.81	8194942.12	159.70	3.0	4.0	50.0	4367.2	2.0	12.0	1284.6	61.1	975.6	65.3	188.1	119.7	194.6	210.8	1.7	9.0	0.9	627.7	666.8	611.0	16.8
SMDH 00202	812816.81	8194942.12	159.70	4.0	5.0	70.0	7446.4	3.6	17.8	2658.7	104.5	1431.5	89.3	257.1	163.6	266.0	288.1	3.1	13.0	1.1	1178.5	1242.3	1147.3	31.2
SMDH 00202	812816.81	8194942.12	159.70	5.0	6.0	75.0	4230.6	2.4	12.7	1016.3	41.8	560.8	50.8	146.2	93.1	151.3	163.9	2.1	9.4	1.0	291.8	318.6	280.5	11.3
SMDH 00202	812816.81	8194942.12	159.70	6.0	7.0	50.0	5311.3	3.5	13.8	1538.2	41.8	383.5	55.7	160.4	102.1	166.0	179.7	3.2	9.3	1.0	247.0	273.4	235.2	11.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00202	812816.81	8194942.12	159.70	7.0	8.0	70.0	5659.3	3.7	14.7	1637.0	35.5	495.7	59.7	172.0	109.5	178.0	192.8	3.4	10.0	1.0	266.8	288.5	256.3	10.4
SMDH 00202	812816.81	8194942.12	159.70	8.0	9.0	75.0	5538.1	3.3	17.2	1239.2	47.5	553.8	54.9	158.2	100.7	163.8	177.3	3.1	12.8	1.1	258.3	288.4	244.8	13.5
SMDH 00202	812816.81	8194942.12	159.70	9.0	10.0	60.0	6301.1	3.7	18.8	1555.6	58.7	429.4	83.8	241.4	153.7	249.8	270.5	3.4	13.6	1.6	408.7	446.1	392.3	16.4
SMDH 00202	812816.81	8194942.12	159.70	10.0	11.0	60.0	8891.3	6.0	29.6	1535.4	81.5	416.5	97.7	281.5	179.2	291.4	315.5	5.6	22.0	1.6	390.0	442.4	367.0	23.0
SMDH 00202	812816.81	8194942.12	159.70	11.0	12.0	80.0	6032.1	3.6	19.5	1289.9	52.0	400.9	66.5	191.5	121.9	198.2	214.6	3.3	14.7	1.3	301.0	333.3	285.6	15.5
SMDH 00202	812816.81	8194942.12	159.70	12.0	13.0	50.0	4045.4	2.0	14.5	737.5	80.3	444.4	46.0	132.4	84.3	137.0	148.4	1.8	11.8	0.7	386.2	435.6	361.7	24.5
SMDH 00202	812816.81	8194942.12	159.70	13.0	14.0	90.0	4156.5	2.3	14.1	778.2	25.6	415.3	72.0	207.4	132.0	214.6	232.4	2.0	10.6	1.3	245.2	260.5	237.6	7.6
SMDH 00202	812816.81	8194942.12	159.70	14.0	15.0	75.0	4438.1	2.3	13.0	1037.2	30.1	962.1	82.3	237.1	150.9	245.4	265.7	2.0	9.5	1.1	380.3	398.1	371.5	8.8
SMDH 00202	812816.81	8194942.12	159.70	15.0	16.0	60.0	4136.6	2.0	13.1	1021.4	32.3	344.5	63.0	181.5	115.5	187.9	203.4	1.7	9.5	1.7	457.6	476.9	448.3	9.3
SMDH 00202	812816.81	8194942.12	159.70	16.0	17.0	90.0	3198.6	1.6	12.7	433.8	20.5	269.9	43.7	125.8	80.1	130.2	141.0	1.5	10.6	0.5	248.7	261.2	242.9	5.8
SMDH 00202	812816.81	8194942.12	159.70	17.0	18.0	85.0	4471.1	2.1	16.2	779.9	32.6	562.7	87.9	253.2	161.2	262.1	283.8	1.8	12.6	1.5	469.4	488.5	459.6	9.7
SMDH 00202	812816.81	8194942.12	159.70	18.0	19.0	80.0	2905.1	1.4	8.8	704.2	23.8	534.1	43.5	125.4	79.8	129.7	140.5	1.3	6.6	0.8	338.0	351.9	330.6	7.4
SMDH 00202	812816.81	8194942.12	159.70	19.0	20.0	60.0	3532.5	1.8	9.0	1191.2	26.6	306.3	41.7	120.0	76.4	124.2	134.5	1.6	6.1	1.2	436.6	452.1	428.9	7.7
SMDH 00203	812696.72	8194945.05	160.03	0.0	1.0	40.0	3431.7	1.7	10.6	717.7	51.6	798.8	68.0	195.7	124.6	202.5	219.3	1.5	8.0	0.9	320.5	353.4	305.6	14.9
SMDH 00203	812696.72	8194945.05	160.03	1.0	2.0	40.0	3177.6	1.6	8.6	725.4	40.6	711.5	87.5	252.2	160.5	261.0	282.6	1.4	5.3	1.6	266.2	291.8	254.6	11.6
SMDH 00203	812696.72	8194945.05	160.03	2.0	3.0	60.0	3195.7	1.6	7.9	841.4	47.5	801.4	86.7	249.7	158.9	258.4	279.8	1.3	4.7	1.6	320.4	350.0	306.7	13.7
SMDH 00203	812696.72	8194945.05	160.03	3.0	4.0	60.0	4684.0	2.5	13.1	1087.4	78.8	503.5	117.2	337.6	214.9	349.3	378.3	2.2	7.8	2.8	268.8	319.3	245.6	23.2
SMDH 00203	812696.72	8194945.05	160.03	4.0	5.0	85.0	9530.1	7.6	14.8	3844.1	55.1	252.3	72.1	207.7	132.2	215.0	232.8	7.1	5.1	2.1	148.0	183.3	132.6	15.4
SMDH 00203	812696.72	8194945.05	160.03	5.0	6.0	90.0	5319.6	3.7	9.7	1973.4	35.9	339.6	55.6	160.2	102.0	165.8	179.5	3.4	3.9	2.1	136.8	159.9	127.1	9.6
SMDH 00203	812696.72	8194945.05	160.03	6.0	7.0	75.0	5063.6	3.3	11.9	1626.0	32.3	451.2	51.7	148.8	94.7	154.0	166.7	3.1	7.5	1.0	274.0	293.9	265.1	8.9
SMDH 00203	812696.72	8194945.05	160.03	7.0	8.0	90.0	3240.7	1.9	6.5	1207.0	11.4	59.2	22.1	63.7	40.5	65.9	71.3	1.8	2.1	2.4	160.5	167.1	157.4	3.0
SMDH 00203	812696.72	8194945.05	160.03	8.0	9.0	80.0	3829.5	2.5	7.5	1410.9	30.1	226.0	38.4	110.6	70.4	114.5	124.0	2.2	3.2	1.8	197.5	216.0	188.6	8.9
SMDH 00203	812696.72	8194945.05	160.03	9.0	10.0	70.0	4963.9	3.2	10.1	1726.1	39.4	355.3	60.9	175.4	111.6	181.5	196.5	3.0	4.7	2.2	206.1	230.6	194.4	11.7
SMDH 00203	812696.72	8194945.05	160.03	10.0	11.0	70.0	3655.9	2.1	11.3	866.5	34.3	341.7	41.4	119.2	75.9	123.3	133.5	1.9	8.4	0.8	226.3	248.0	216.8	9.4
SMDH 00203	812696.72	8194945.05	160.03	11.0	12.0	98.0	2903.7	1.5	9.4	644.8	30.0	361.4	39.4	113.4	72.2	117.3	127.0	1.3	7.1	0.7	242.1	260.7	233.5	8.6
SMDH 00203	812696.72	8194945.05	160.03	12.0	13.0	75.0	3959.7	2.1	13.6	722.7	32.8	466.9	59.2	170.5	108.5	176.4	191.0	1.9	10.5	1.0	237.6	257.9	228.0	9.6
SMDH 00203	812696.72	8194945.05	160.03	13.0	14.0	98.0	3056.5	1.6	9.3	730.2	27.3	452.8	41.5	119.6	76.1	123.7	134.0	1.4	6.9	0.9	261.0	277.8	253.4	7.6
SMDH 00203	812696.72	8194945.05	160.03	14.0	15.0	95.0	3316.6	1.8	10.3	764.2	26.7	410.1	44.3	127.6	81.2	132.1	143.0	1.6	7.6	1.0	255.6	272.0	247.9	7.7
SMDH 00203	812696.72	8194945.05	160.03	15.0	16.0	90.0	4537.8	2.5	13.8	1068.7	40.7	531.7	56.3	162.3	103.3	167.9	181.8	2.3	10.0	1.2	297.2	322.9	285.8	11.4
SMDH 00203	812696.72	8194945.05	160.03	16.0	17.0	98.0	5079.4	2.8	15.8	1143.6	51.9	529.3	73.0	210.4	133.9	217.7	235.7	2.6	11.7	1.3	320.1	353.3	305.5	14.7
SMDH 00204	812589.21	8194951.93	160.12	0.0	1.0	50.0	3364.7	1.7	11.2	601.7	48.8	741.4	65.7	189.2	120.4	195.8	212.0	1.4	8.8	0.8	277.2	308.7	263.6	13.6
SMDH 00204	812589.21	8194951.93	160.12	1.0	2.0	70.0	4810.5	2.6	16.1	892.7	56.3	628.2	104.4	300.8	191.5	311.3	337.1	2.3	12.3	1.2	317.1	352.9	301.2	15.9
SMDH 00204	812589.21	8194951.93	160.12	2.0	3.0	60.0	5007.6	2.7	17.1	882.7	59.5	635.1	106.2	305.9	194.7	316.6	342.8	2.4	13.1	1.3	328.8	366.9	312.1	16.7
SMDH 00204	812589.21	8194951.93	160.12	3.0	4.0	70.0	2415.9	1.2	8.4	459.9	26.0	303.8	35.2	101.5	64.6	105.0	113.7	1.1	6.7	0.5	210.4	226.7	203.1	7.3
SMDH 00204	812589.21	8194951.93	160.12	4.0	5.0	70.0	4354.0	2.9	12.1	1101.6	18.0	387.1	51.1	147.3	93.8	152.4	165.1	2.7	8.4	0.8	139.0	149.9	134.2	4.8
SMDH 00204	812589.21	8194951.93	160.12	5.0	6.0	85.0	4079.6	2.4	12.3	1040.0	17.2	323.9	43.7	125.8	80.1	130.2	141.0	2.2	9.1	0.8	298.4	308.1	293.6	4.9
SMDH 00204	812589.21	8194951.93	160.12	6.0	7.0	60.0	4934.2	3.1	13.6	1307.6	11.0	362.5	64.8	186.6	118.8	193.1	209.1	2.9	9.2	1.3	134.3	140.5	131.5	2.8
SMDH 00204	812589.21	8194951.93	160.12	7.0	8.0	95.0	4638.5	2.7	15.1	903.1	26.9	439.8	69.8	201.1	128.0	208.1	225.4	2.5	10.9	1.4	170.4	186.7	162.8	7.6
SMDH 00266	813359.41	8193139.28	170.54	0.0	1.0	25.0	5910.9	2.7	18.3	1236.4	62.9	2097.8	67.6	194.8	124.0	201.6	218.3	2.2	14.6	1.0	696.4	735.8	678.3	18.1
SMDH 00266	813359.41	8193139.28	170.54	1.0	2.0	40.0	4755.7	2.4	17.0	823.7	49.4	518.1	84.1	242.1	154.1	250.6	271.3	2.2	13.3	1.3	452.8	484.3	439.2	13.6
SMDH 00266	813359.41	8193139.28	170.54	2.0	3.0	35.0	4571.7	2.5	14.7	962.2	44.3	497.3	76.0	218.9	139.4	226.6	245.4	2.2	11.0	1.3	308.8	337.2	296.8	12.0
SMDH 00266	813359.41	8193139.28	170.54	3.0	4.0	20.0	5816.8	3.5	14.4	1959.8	37.8	397.1	57.4	165.3	105.2	171.0	185.2	3.1	9.9	1.1	338.4	362.0	327.7	10.7
SMDH 00266	813359.41	8193139.28	170.54	4.0	5.0	95.0	6631.6	4.0	17.5	1908.4	50.8	916.8	79.5	228.9	145.7	236.9	256.5	3.6	12.4	1.2	367.6	399.6	353.3	14.3
SMDH 00266	813359.41	8193139.28	170.54	5.0	6.0	98.0	4545.1	2.7	13.9	975.5	13.4	664.7	76.5	220.4	140.3	228.1	247.0	2.4	10.1	1.2	168.0	175.3	163.9	4.1
SMDH 00266	813359.41	8193139.28	170.54	6.0	7.0	98.0	5479.6	3.1	17.5	1130.5	38.4	743.6	92.3	265.7	169.2	275.0	297.8	2.8	13.0	1.4	338.6	362.3	327.7	10.8
SMDH 00266	813359.41	8193139.28	170.54	7.0	8.0	90.0	5829.6	2.9	17.5	1606.7	100.8	420.1	79.0	227.4	144.8	235.4	254.9	2.6	13.1	1.4	702.0	765.3	672.2	29.9
SMDH 00266	813359.41	8193139.28	170.54	8.0	9.0	98.0	4567.4	2.6	14.8	888.2	22.6	608.7	78.8	227.0	144.5	234.9	254.4	2.3	10.9	1.3	231.3	245.0	225.2	6.1
SMDH 00266	813359.41	8193139.28	170.54	9.0	10.0	80.0	5189.5	2.9	14.6	1454.9	36.6	508.1	74.7	215.2	137.0	222.7	241.1	2.6	10.4	1.3	390.9	413.5	380.6	10.2
SMDH 00266	813359.41	8193139.28	170.54	10.0	11.0	90.0	5265.0	2.9	16.2	1167.5	40.2	841.4	84.7	244.0	155.3	252.5	273.4	2.6	12.0	1.3	355.7	380.6	344.3	11.4
SMDH 00266	813359.41	8193139.28	170.54	11.0	12.0	85.0	4368.2	2.4	12.7	1126.2	19.7	599.8	72.7	209.5	133.3	216.8	234.8	2.1	9.1	1.3	355.9	366.9	350.2	5.7
SMDH 00267	813232.24	8193152.96	168.03	0.0	1.0	20.0	3788.3	1.9	13.1	611.0	66.1	580.5	69.8	201.0	127.9	208.0	225.2	1.7	9.9	1.3	292.3	336.3	274.3	18.0
SMDH 00267	813232.24	8193152.96	168.03	1.0	2.0	20.0	3758.8	1.9	13.5	541.0	63.1	520.7	72.6	209.0	133.0	216.3	234.2	1.7	10.4	1.2	250.3	292.5	233.0	17.3
SMDH 00267	813232.24	8193152.96	168.03	2.0	3.0	30.0	4110.8	2.0	12.9	812.2	200.1	550.7	86.9	250.1	159.2	258.9	280.3	1.7	9.6	1.3	382.3	525.3	337.4	44.9
SMDH 00267	813232.24	8193152.96	168.03	3.0	4.0	20.0	3962.3	1.9	13.6	734.4	68.7	423.6	78.6	226.5	144.2	234.4	253.8	1.7	10.2	1.4	360.9	405.9	341.5	19.5
SMDH 00267	813232.24	8193152.96	168.03	4.0	5.0	55.0	3346.3	1.7	11.0	680.9	57.7	331.4	72.1	207.6	132.1	214.8	232.6	1.5	8.1	1.2	249.7	287.5	233.5	16.2
SMDH 00267	813232.24	8193152.96	168.03	5.0	6.0	40.0	4466.8	2.3	13.2	1116.0	82.4	597.3	88.7	255.3	162.5	264.3	286.2	2.0	9.6	1.3	355.8	409.5	332.4	23.4
SMDH 00267	813232.24	8193152.96	168.03	6.0	7.0	40.0	4283.6	2.1	14.5	861.5	37.3	457.2	71.4	205.7	130.9	212.9	230.5	1.9	11.0	1.4	329.5	353.0	318.7	10.8
SMDH 00267	813232.24	8193152.96	168.03	7.0	8.0	70.0	4755.7	2.5	16.1	903.9	28.3	628.7	84.9	244.5	155.6	253.0	274.0	2.2	12.3	1.4	320.8	337.7	312.1	8.6
SMDH 00267	813232.24	8193152.96	168.03	8.0	9.0	60.0	5299.3	3.0	16.6	1208.0	20.5	558.2	73.1	210.4	133.9	217.8	235.8	2.7	12.4	1.2	309.6	321.4	303.4	6.2
SMDH 00267	813232.24	8193152.96	168.03	9.0	10.0	60.0	4902.4	2.6	16.7	909.7	19.6	611.5	76.2	219.4	139.7	227.1	245.9	2.4	12.8	1.3	294.4	305.7	288.3	6.2
SMDH 00267	813232.24	8193152.96	168.03	10.0	11.0	70.0	4128.3	2.3	13.2	874.7	14.4	576.4	61.4	176.8	112.6	183.0	198.2	2.0	9.8	1.1	231.6	239.5	227.3	4.2
SMDH 00267	813232.24	8193152.96	168.03	11.0	12.0	95.0	4745.9	2.6	15.1	1074.9	19.9	444.5	73.7	212.3	135.1	219.7	237.9	2.4	11.3	1.3	327.5	338.9	321.5	6.1
SMDH 00267	813232.24	8193152.96	168.03	12.0	13.0	98.0	4603.8	2.5	15.8	851.0	30.2	512.6	70.4	202.9	129.1	209.9	227.3	2.3	12.1	1.2	278.8	297.4	269.9	8.9
SMDH 00267	813232.24	8193152.96	168.03	13.0	14.0	98.0	4669.9	2.4	15.6	951.4	25.4	578.5	86.9	250.1	159.2	258.9	280.3	2.1	12.0	1.2	407.9	422.7	400.4	7.6
SMDH 00267	813232.24	8193152.96	168.03	14.0	15.0	98.0	4743.9	2.4	16.7	900.7	24.8	447.7	87.0	250.6	159.5	259.4	280.9	2.2	12.9	1.3	413.4	428.2	406.4	7.1
SMDH 00267	813232.24	8193152.96	168.03	15.0	16.0	85.0	3077.0	1.6	9.6	707.0	30.0	223.2	39.2	113.0	71.9	117.0	126.7	1.5	6.8	1.2	198.4	217.3	190.0	8.4
SMDH 00267	813232.24	8193152.96	168.03	16.0	17.0	95.0	3885.7	2.1	12.0	911.6	22.5	429.3	65.7	189.1	120.4	195.7	212.0	1.9	8.8	1.1	247.5	260.8	240.9	6.7
SMDH 00267	813232.24	8193152.96	168.03	17.0	18.0	80.0	3783.3	2.3	10.2	1038.7	13.0	550.2	47.1	135.7	86.4	140.4	152.1	2.0	7.0	0.9	118.0	125.8	114.4	3.7
SMDH 00268	813118.44	8193141.82	172.12	0.0	1.0	20.0	4170.3	1.9	13.8	866.3	38.0	812.0	60.9	175.4	111.7	181.6	196.6	1.7	10.7	1.2	479.7	502.7	468.4	11.2
SMDH 00268	813118.44	8193141.82	172.12	1.0	2.0	40.0	4659.9	2.3	17.1	715.9	41.0	585.7	74.9	215.6	137.3	223.2	241.6	2.1	13.4	1.4	382.8	408.6	371.0	11.8
SMDH 00268	813118.44	8193141.82	172.12	2.0	3.0	40.0	4376.6	2.4	13.8	967.4	30.3	609.6	61.6	177.5	113.0	183.7	198.9	2.1	10.4	1.1	353.6	371.6	344.4	9.2
SMDH 00268	813118.44	8193141.82	172.12	3.0	4.0	20.0	4267.0	2.3	14.7	795.0	27.5	504.2	45.5	131.0	83.4	135.6	146.8	2.1	11.4	1.0	282.9	299.9	275.4	7.5
SMDH 00268	813118.44	8193141.82	172.12	4.0	5.0	85.0	4764.3	2.3	14.1	1369.1	45.7	497.7	62.1	178.8	113.8	185.0	200.4	2.0	10.7	1.1	709.7	736.0	696.0	13.7
SMDH 00268	813118.44	8193141.82	172.12	5.0	6.0	95.0	5355.4	2.8	19.0	960.5	41.5	602.6	67.8	195.3	124.3	202.1	218.9	2.5	14.9	1.3	457.7	483.3	445.8	11.8
SMDH 00268	813118.44	8193141.82	172.12	6.0	7.0	45.0	4810.3	2.5	15.4	1180.5	34.9	221.3	68.3	196.7	125.2	203.6	220.4	2.3	11.6	1.3	483.9	504.6	473.9	10.1
SMDH 00268	813118.44	8193141.82	172.12	7.0	8.0	55.0	4865.8	2.5	17.6	815.1	26.7	450.2	75.2	216.6	137.9	224.1	242.7	2.3	13.7	1.4	363.7	379.4	356.0	7.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00268	813118.44	8193141.82	172.12	8.0	9.0	75.0	4566.8	2.3	16.7	724.3	26.5	531.4	72.8	209.8	133.5	217.1	235.1	2.1	13.1	1.3	377.2	393.8	370.6	6.6
SMDH 00268	813118.44	8193141.82	172.12	9.0	10.0	35.0	3973.7	2.0	14.6	604.0	19.3	390.7	66.8	192.5	122.5	199.2	215.7	1.9	11.1	1.4	284.4	295.5	278.7	5.7
SMDH 00268	813118.44	8193141.82	172.12	10.0	11.0	85.0	4991.9	2.6	19.0	692.0	22.4	369.7	77.2	222.2	141.5	230.0	249.1	2.4	15.0	1.4	306.0	319.2	299.3	6.6
SMDH 00268	813118.44	8193141.82	172.12	11.0	12.0	90.0	5580.9	3.0	17.4	1339.5	46.3	534.7	102.3	294.5	187.5	304.8	330.1	2.7	13.1	1.2	533.5	561.2	519.9	13.6
SMDH 00268	813118.44	8193141.82	172.12	12.0	13.0	30.0	3760.1	2.0	13.2	582.7	20.0	579.5	72.6	209.1	133.1	216.4	234.4	1.8	9.9	1.3	240.5	252.2	234.6	5.8
SMDH 00268	813118.44	8193141.82	172.12	13.0	14.0	85.0	4948.5	2.7	19.3	519.7	18.3	630.5	91.3	262.9	167.4	272.1	294.6	2.4	15.3	1.3	238.8	249.4	233.3	5.5
SMDH 00268	813118.44	8193141.82	172.12	14.0	15.0	95.0	5540.3	3.0	17.8	1222.4	26.9	555.9	112.6	324.4	206.5	335.7	363.5	2.7	13.5	1.3	471.9	487.0	463.9	8.0
SMDH 00268	813118.44	8193141.82	172.12	15.0	16.0	45.0	3920.4	2.0	11.1	1094.3	25.3	494.8	63.1	181.8	115.7	188.1	203.7	1.8	7.9	1.2	402.9	417.6	395.4	7.6
SMDH 00268	813118.44	8193141.82	172.12	16.0	17.0	65.0	4474.3	2.5	14.7	924.4	26.4	404.3	82.4	237.2	151.0	245.5	265.8	2.2	10.9	1.3	314.3	330.0	306.8	7.5
SMDH 00268	813118.44	8193141.82	172.12	17.0	18.0	30.0	4520.1	2.3	13.5	1197.0	20.5	458.0	84.9	244.6	155.7	253.1	274.1	2.1	9.8	1.3	454.6	465.4	448.4	6.2
SMDH 00268	813118.44	8193141.82	172.12	18.0	19.0	30.0	3844.8	2.0	13.4	674.8	15.7	440.3	65.7	189.1	120.4	195.7	212.0	1.8	10.1	1.2	246.4	254.9	241.4	5.0
SMDH 00268	813118.44	8193141.82	172.12	19.0	20.0	98.0	4594.2	2.5	15.7	826.6	19.1	561.4	87.5	252.0	160.4	260.8	282.4	2.2	11.9	1.4	324.5	335.0	318.6	5.9
SMDH 00268	813118.44	8193141.82	172.12	20.0	21.0	40.0	3740.0	2.0	12.7	688.3	17.0	476.7	68.0	195.8	124.7	202.7	219.5	1.8	9.4	1.3	266.2	275.7	261.3	4.9
SMDH 00268	813118.44	8193141.82	172.12	21.0	22.0	35.0	3876.9	2.0	12.5	830.1	15.8	498.0	59.6	171.6	109.3	177.6	192.4	1.8	9.3	1.2	276.3	285.2	271.6	4.7
SMDH 00268	813118.44	8193141.82	172.12	22.0	23.0	80.0	5145.8	2.7	18.4	882.7	22.0	529.3	79.5	229.0	145.8	237.0	256.7	2.5	14.4	1.3	393.9	406.6	387.6	6.3
SMDH 00268	813118.44	8193141.82	172.12	23.0	24.0	80.0	4913.1	2.6	17.3	803.7	23.4	566.8	96.0	276.5	176.0	286.2	309.9	2.3	13.1	1.6	342.2	355.8	335.4	6.7
SMDH 00268	813118.44	8193141.82	172.12	24.0	24.1	20.0	4193.5	2.1	14.4	819.0	30.1	419.1	80.6	232.2	147.8	240.3	260.3	1.8	11.0	1.4	434.9	452.7	426.0	8.9
SMDH 00269	813003.72	8193142.48	172.81	0.0	1.0	40.0	2660.4	1.1	7.5	751.4	45.7	787.3	37.2	107.2	68.3	111.0	120.2	0.9	5.9	0.5	435.5	464.8	423.1	12.4
SMDH 00269	813003.72	8193142.48	172.81	1.0	2.0	45.0	4081.0	2.0	14.4	784.6	31.9	451.0	52.0	149.8	95.3	155.0	167.9	1.8	11.5	1.0	395.2	414.5	385.9	9.3
SMDH 00269	813003.72	8193142.48	172.81	2.0	3.0	90.0	3433.3	1.6	10.4	938.2	31.5	342.0	43.3	124.6	79.3	128.9	139.6	1.5	7.6	1.1	416.1	434.9	407.0	9.2
SMDH 00269	813003.72	8193142.48	172.81	3.0	4.0	25.0	3508.3	1.6	10.0	1081.8	31.6	418.7	48.2	138.8	88.3	143.6	155.5	1.4	7.4	1.0	532.1	550.2	522.5	9.5
SMDH 00269	813003.72	8193142.48	172.81	4.0	5.0	95.0	3451.2	1.6	10.0	1033.8	20.7	293.3	51.5	148.4	94.5	153.6	166.3	1.4	7.1	1.2	459.3	470.7	453.4	5.8
SMDH 00269	813003.72	8193142.48	172.81	5.0	6.0	70.0	3964.3	1.8	11.1	1252.6	27.3	457.6	59.5	171.4	109.1	177.3	192.0	1.6	8.1	1.1	611.3	626.4	603.1	8.2
SMDH 00269	813003.72	8193142.48	172.81	6.0	7.0	40.0	4694.0	2.5	13.3	1318.7	22.1	571.6	71.7	206.6	131.5	213.8	231.5	2.2	9.6	1.2	449.4	462.1	443.5	5.9
SMDH 00269	813003.72	8193142.48	172.81	7.0	8.0	60.0	5234.6	2.1	11.8	2294.8	52.9	518.3	65.7	189.3	120.5	195.9	212.2	1.7	8.2	1.5	1249.3	1279.5	1233.5	15.8
SMDH 00269	813003.72	8193142.48	172.81	8.0	9.0	55.0	6023.5	2.5	14.4	2397.0	77.8	708.5	82.4	237.2	151.0	245.5	265.8	2.1	10.1	1.7	1308.5	1357.0	1287.1	21.4
SMDH 00269	813003.72	8193142.48	172.81	9.0	10.0	35.0	5606.8	2.9	20.5	884.0	117.6	555.1	59.0	170.1	108.2	176.0	190.6	2.7	16.4	1.2	448.3	519.9	412.3	36.1
SMDH 00269	813003.72	8193142.48	172.81	10.0	11.0	50.0	3895.3	2.0	13.6	724.2	59.4	393.9	49.1	141.4	90.0	146.4	158.5	1.8	10.6	1.1	329.6	366.9	312.6	17.0
SMDH 00269	813003.72	8193142.48	172.81	11.0	12.0	60.0	3172.9	1.5	9.7	732.7	48.9	504.6	58.6	168.8	107.5	174.7	189.2	1.3	7.1	1.1	330.2	361.2	316.4	13.8
SMDH 00269	813003.72	8193142.48	172.81	12.0	13.0	40.0	4114.8	1.9	12.4	1047.3	61.6	716.9	71.6	206.1	131.2	213.3	231.0	1.7	9.4	1.1	558.1	596.5	540.5	17.6
SMDH 00269	813003.72	8193142.48	172.81	13.0	14.0	70.0	4386.8	2.2	13.9	911.2	59.5	785.5	102.5	295.3	188.0	305.6	330.9	1.9	10.4	1.3	438.2	475.7	421.5	16.8
SMDH 00269	813003.72	8193142.48	172.81	14.0	15.0	85.0	3347.6	1.6	11.1	618.5	33.4	605.3	79.2	228.2	145.2	236.1	255.7	1.4	8.3	1.1	329.2	349.3	318.8	10.4
SMDH 00269	813003.72	8193142.48	172.81	15.0	16.0	50.0	2846.6	1.4	9.0	594.4	25.4	477.3	65.7	189.1	120.4	195.7	212.0	1.2	6.5	1.2	282.3	297.4	274.5	7.8
SMDH 00269	813003.72	8193142.48	172.81	16.0	17.0	60.0	3301.8	1.6	11.3	539.8	27.8	605.9	72.7	209.5	133.3	216.8	234.8	1.4	8.4	1.3	275.8	293.0	268.1	7.8
SMDH 00269	813003.72	8193142.48	172.81	17.0	18.0	50.0	3398.6	1.7	9.9	859.4	48.4	529.5	60.7	174.7	111.2	180.8	195.8	1.4	6.9	1.3	317.0	345.1	301.1	15.8
SMDH 00269	813003.72	8193142.48	172.81	18.0	19.0	50.0	3687.0	1.9	13.6	545.0	48.6	401.4	52.5	151.2	96.2	156.5	169.4	1.7	10.6	1.0	239.1	268.2	223.9	15.2
SMDH 00269	813003.72	8193142.48	172.81	19.0	20.0	40.0	3646.8	1.8	12.8	681.4	20.8	386.9	56.6	163.1	103.8	168.8	182.8	1.6	9.9	1.1	347.8	359.9	341.6	6.2
SMDH 00269	813003.72	8193142.48	172.81	20.0	21.0	60.0	3454.9	1.6	9.7	1031.1	23.1	374.7	60.1	173.0	110.1	179.0	193.9	1.4	6.7	1.4	444.6	457.8	438.3	6.4
SMDH 00269	813003.72	8193142.48	172.81	21.0	21.5	40.0	3365.2	1.7	11.2	668.5	16.3	517.3	63.0	181.6	115.6	187.9	203.5	1.5	8.6	0.9	289.3	298.9	285.2	4.1
SMDH 00269	813003.72	8193142.48	172.81	21.5	22.0	40.0	3365.2	1.7	11.2	668.5	16.3	517.3	63.0	181.6	115.6	187.9	203.5	1.5	8.6	0.9	289.3	298.9	285.2	4.1
SMDH 00270	812877.48	8193149.00	176.45	0.0	1.0	20.0	1213.7	0.4	3.2	404.5	16.4	243.5	14.2	40.8	26.0	42.3	45.8	0.3	2.1	0.7	234.0	243.7	229.4	4.6
SMDH 00270	812877.48	8193149.00	176.45	1.0	2.0	35.0	2100.1	0.9	7.7	358.9	10.3	96.6	20.7	59.8	38.0	61.8	67.0	0.9	5.4	1.3	147.7	153.4	144.6	3.0
SMDH 00270	812877.48	8193149.00	176.45	2.0	3.0	35.0	1751.2	0.7	5.0	542.5	26.1	332.9	23.1	66.6	42.4	68.9	74.6	0.6	3.8	0.5	300.9	316.8	293.1	7.9
SMDH 00270	812877.48	8193149.00	176.45	3.0	4.0	70.0	1423.6	0.5	4.5	371.6	18.3	107.2	9.7	28.1	17.9	29.1	31.5	0.5	2.9	1.1	144.6	155.7	139.7	4.9
SMDH 00270	812877.48	8193149.00	176.45	4.0	5.0	98.0	1325.8	0.5	4.1	321.7	20.5	193.5	8.8	25.5	16.2	26.4	28.5	0.4	2.6	1.1	138.9	151.3	133.2	5.7
SMDH 00270	812877.48	8193149.00	176.45	5.0	6.0	80.0	1411.0	0.5	4.0	405.7	20.3	196.5	15.4	44.4	28.3	45.9	49.7	0.4	2.5	1.1	194.7	206.9	188.9	5.7
SMDH 00270	812877.48	8193149.00	176.45	6.0	7.0	85.0	1655.8	0.7	5.9	299.9	19.6	130.9	10.9	31.3	19.9	32.4	35.1	0.6	4.1	1.2	141.9	154.2	136.6	5.3
SMDH 00270	812877.48	8193149.00	176.45	7.0	8.0	98.0	1560.0	0.7	5.0	333.5	17.6	84.1	12.6	36.2	23.1	37.5	40.6	0.6	3.0	1.4	97.4	108.5	92.9	4.5
SMDH 00270	812877.48	8193149.00	176.45	8.0	9.0	98.0	1749.0	0.8	5.8	379.3	19.2	116.1	15.0	43.2	27.5	44.7	48.4	0.7	3.9	1.2	132.1	143.7	126.8	5.3
SMDH 00270	812877.48	8193149.00	176.45	9.0	10.0	90.0	1523.8	0.6	5.1	337.3	13.1	94.6	12.3	35.5	22.6	36.7	39.7	0.6	3.3	1.2	121.7	129.5	118.0	3.7
SMDH 00270	812877.48	8193149.00	176.45	10.0	11.0	98.0	2203.5	1.2	6.1	675.8	17.2	99.9	12.0	34.7	22.1	35.9	38.9	1.1	4.0	0.9	112.1	122.8	107.4	4.8
SMDH 00270	812877.48	8193149.00	176.45	11.0	12.0	98.0	1828.3	0.8	5.7	481.3	19.3	161.1	12.6	36.2	23.1	37.5	40.6	0.7	3.9	1.0	199.1	210.5	193.6	5.5
SMDH 00270	812877.48	8193149.00	176.45	12.0	13.0	90.0	1879.9	0.9	5.7	468.2	24.6	112.0	14.2	40.9	26.0	42.3	45.8	0.8	3.7	1.1	96.1	112.0	89.6	6.5
SMDH 00270	812877.48	8193149.00	176.45	13.0	14.0	98.0	1820.9	0.9	4.3	635.8	17.1	102.7	8.6	24.7	15.7	25.6	27.7	0.9	2.4	1.0	88.8	99.8	84.2	4.5
SMDH 00270	812877.48	8193149.00	176.45	14.0	15.0	95.0	2055.5	1.0	5.1	737.2	25.8	99.7	8.0	23.2	14.7	24.0	26.0	0.9	3.0	1.1	175.5	192.0	168.9	6.6
SMDH 00271	812767.75	8193142.25	170.96	0.0	1.0	20.0	1420.3	0.6	4.5	321.4	15.9	392.7	12.0	34.7	22.1	35.9	38.9	0.6	3.7	0.2	169.2	179.0	164.8	4.3
SMDH 00271	812767.75	8193142.25	170.96	1.0	2.0	95.0	2315.1	1.1	6.2	683.8	16.8	435.5	38.2	110.1	70.1	114.0	123.4	1.0	4.3	0.7	255.1	264.9	250.5	4.6
SMDH 00271	812767.75	8193142.25	170.96	2.0	3.0	98.0	1732.2	0.9	5.1	429.2	11.2	308.0	24.6	70.9	45.1	73.4	79.5	0.7	3.7	0.6	132.0	138.6	129.1	2.9
SMDH 00271	812767.75	8193142.25	170.96	3.0	4.0	70.0	2144.6	1.2	6.4	425.4	13.9	430.8	37.5	107.9	68.7	111.6	120.9	1.1	4.4	0.8	50.5	58.9	46.7	3.8
SMDH 00271	812767.75	8193142.25	170.96	4.0	5.0	90.0	2543.1	1.3	6.5	847.4	15.6	309.1	38.0	109.3	69.6	113.2	122.5	1.1	4.5	0.8	312.6	321.3	308.4	4.2
SMDH 00271	812767.75	8193142.25	170.96	5.0	6.0	98.0	3273.0	1.9	9.0	908.4	7.8	274.6	46.4	133.8	85.1	138.4	149.9	1.7	5.9	1.2	115.6	119.5	113.2	2.4
SMDH 00271	812767.75	8193142.25	170.96	6.0	7.0	80.0	3390.6	1.9	11.3	632.3	7.6	325.3	55.0	158.3	100.8	163.8	177.4	1.8	8.1	1.2	119.1	122.7	116.6	2.5
SMDH 00271	812767.75	8193142.25	170.96	7.0	8.0	85.0	1497.7	0.8	4.0	401.0	17.9	204.2	19.1	55.0	35.0	57.0	61.7	0.7	2.4	0.9	44.6	55.5	39.7	5.0
SMDH 00271	812767.75	8193142.25	170.96	8.0	9.0	98.0	2481.2	1.2	6.9	634.7	15.9	547.1	45.0	129.6	82.5	134.1	145.3	1.0	4.7	1.0	236.8	245.7	232.3	4.4
SMDH 00271	812767.75	8193142.25	170.96	9.0	10.0	80.0	4132.9	2.2	13.3	888.8	15.5	536.0	67.4	194.2	123.6	200.9	217.6	2.0	9.9	1.2	306.9	315.3	302.6	4.2
SMDH 00271	812767.75	8193142.25	170.96	10.0	11.0	90.0	3075.1	1.7	9.2	704.9	6.4	385.5	37.2	107.3	68.3	111.0	120.2	1.6	6.1	1.3	56.2	59.2	54.3	1.9
SMDH 00271	812767.75	8193142.25	170.96	11.0	12.0	98.0	2435.4	1.4	7.2	495.9	5.9	463.2	44.8	128.9	82.1	133.4	144.5	1.2	4.7	1.1	26.8	29.7	24.9	1.9
SMDH 00271	812767.75	8193142.25	170.96	12.0	13.0	70.0	2579.6	1.5	7.1	714.7	5.1	156.7	28.5	82.0	52.2	84.9	91.9	1.3	4.3	1.3	33.5	35.4	31.6	1.9
SMDH 00271	812767.75	8193142.25	170.96	13.0	14.0	98.0	2557.5	1.5	6.9	707.7	6.0	215.5	28.8	83.0	52.8	85.9	93.0	1.3	4.3	1.2	40.4	43.1	38.5	1.9
SMDH 00271	812767.75	8193142.25	170.96	14.0	15.0	98.0	2156.6	1.1	5.7	645.9	7.8	236.5	30.9	89.1	56.7	92.2	99.8	1.0	3.7	0.9	146.0	149.6	143.4	2.6
SMDH 00271	812767.75	8193142.25	170.96	15.0	16.0	90.0	3863.5	2.1	11.6	975.1	12.5	372.8	56.2	161.8	103.0	167.5	181.4	1.9	8.3	1.2	259.2	265.8	255.8	3.4
SMDH 00271	812767.75	8193142.25	170.96	16.0	17.0	98.0	3066.3	1.8	9.0	748.2	7.4	284.5	38.2	110.1	70.1	113.9	123.3	1.6	6.0	1.2	71.1	74.8	69.2	1.9
SMDH 00271	812767.75	8193142.25	170.96	17.0	18.0	80.0	3211.1	1.8	9.2	815.0	10.3	316.2	42.0	121.1	77.1	125.3	135.7	1.7	6.1	1.2	87.3	92.8	84.6	2.7
SMDH 00272	812637.59	8193136.93	170.30	0.0	1.0	10.0	4923.7	2.4	17.0	947.5	45.1	667.8	76.7	220.8	140.6	228.5	247.5	2.2	13.4	1.2	483.4	511.5	470.6	12.8
SMDH 00272	812637.59	8193136.93	170.30	1.0	2.0	20.0	6345.0	3.5	22.4	1069.1	74.1	545.0	123.2	354.8	225.9	367.2	397.6	3.2	17.4	1.5	452.8	500.6	432.1	20.7
SMDH 00272	812637.59	8193136.93	170.30	2.0	3.0	15.0	5857.9	3.3	18.7	1236.5	63.6	680.4	105.2	302.9	192.8	313.4	339.4	2.9	14.1	1.3	399.4	440.2	381.6	17.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00272	812637.59	8193136.93	170.30	3.0	4.0	50.0	3482.5	1.8	11.0	798.1	46.7	279.2	52.0	149.9	95.4	155.1	168.0	1.7	8.0	1.1	244.3	274.6	231.6	12.7
SMDH 00272	812637.59	8193136.93	170.30	4.0	5.0	98.0	3102.3	1.6	8.7	800.6	139.8	245.4	41.7	120.2	76.5	124.4	134.7	1.4	6.0	1.2	221.3	314.1	183.6	37.7
SMDH 00272	812637.59	8193136.93	170.30	5.0	6.0	90.0	3463.8	1.9	10.4	879.0	34.2	195.0	45.0	129.7	82.5	134.2	145.3	1.7	7.2	1.3	207.7	230.1	199.3	8.5
SMDH 00272	812637.59	8193136.93	170.30	6.0	7.0	70.0	3938.8	2.0	12.8	815.0	27.2	576.0	68.7	198.0	126.0	204.9	221.8	1.8	9.6	1.2	387.5	403.7	379.8	7.7
SMDH 00272	812637.59	8193136.93	170.30	7.0	8.0	90.0	5037.1	2.7	18.0	781.6	58.8	619.9	85.9	247.3	157.4	255.9	277.2	2.5	14.1	1.2	380.7	418.4	364.5	16.3
SMDH 00272	812637.59	8193136.93	170.30	8.0	9.0	90.0	3348.7	1.7	11.3	589.5	38.5	529.0	58.2	167.6	106.7	173.5	187.9	1.5	8.4	1.1	251.6	276.3	241.1	10.5
SMDH 00272	812637.59	8193136.93	170.30	9.0	10.0	85.0	4204.7	2.3	13.1	935.0	18.6	480.8	65.1	187.5	119.4	194.1	210.2	2.1	9.6	1.2	231.5	242.6	226.6	4.9
SMDH 00272	812637.59	8193136.93	170.30	10.0	11.0	98.0	4877.7	2.7	15.7	1030.7	36.5	507.5	79.1	227.9	145.0	235.8	255.4	2.5	11.8	1.2	318.1	340.5	307.5	10.6
SMDH 00272	812637.59	8193136.93	170.30	11.0	12.0	95.0	5164.7	2.7	17.3	1010.7	50.4	674.3	89.8	258.7	164.6	267.7	289.9	2.4	13.2	1.3	497.5	529.1	483.4	14.1
SMDH 00272	812637.59	8193136.93	170.30	12.0	13.0	95.0	4754.9	2.6	15.4	1051.2	42.6	443.5	57.9	166.7	106.1	172.5	186.8	2.3	11.5	1.3	358.8	384.9	346.2	12.6
SMDH 00272	812637.59	8193136.93	170.30	13.0	14.0	85.0	4619.0	2.5	16.2	794.1	19.6	480.3	83.7	241.0	153.4	249.4	270.1	2.3	12.4	1.3	334.2	345.5	328.6	5.6
SMDH 00272	812637.59	8193136.93	170.30	14.0	15.0	95.0	5315.5	2.9	18.1	954.5	25.9	694.9	94.4	271.8	173.0	281.3	304.6	2.6	13.8	1.4	373.2	388.4	365.6	7.6
SMDH 00272	812637.59	8193136.93	170.30	15.0	16.0	75.0	4874.5	2.5	15.7	1112.8	25.1	594.2	77.1	222.0	141.3	229.8	248.8	2.3	12.0	1.2	480.3	494.7	473.0	7.3
SMDH 00272	812637.59	8193136.93	170.30	16.0	17.0	90.0	5482.5	2.9	17.7	1217.2	35.2	697.1	90.5	260.7	165.9	269.8	292.1	2.6	13.5	1.3	536.2	557.2	526.3	9.9
SMDH 00272	812637.59	8193136.93	170.30	17.0	18.0	85.0	6077.1	3.1	19.2	1384.8	27.7	988.7	90.5	260.7	165.9	269.8	292.1	2.8	14.7	1.4	571.0	586.7	562.8	8.2
SMDH 00272	812637.59	8193136.93	170.30	18.0	19.0	80.0	6758.1	3.8	15.6	2590.9	18.9	450.5	72.0	207.4	132.0	214.6	232.4	3.4	10.5	1.3	580.5	590.5	575.0	5.5
SMDH 00272	812637.59	8193136.93	170.30	19.0	20.0	98.0	5586.8	2.9	18.1	1235.8	50.9	629.8	99.6	287.0	182.7	297.0	321.6	2.6	13.9	1.3	539.8	570.5	524.8	15.0
SMDH 00272	812637.59	8193136.93	170.30	20.0	21.0	80.0	5140.6	2.8	18.0	873.1	37.2	607.6	86.5	249.0	158.5	257.7	279.1	2.5	14.0	1.3	401.2	424.8	391.5	9.7
SMDH 00272	812637.59	8193136.93	170.30	21.0	22.0	90.0	5095.0	2.8	17.9	822.7	31.3	607.8	84.7	243.9	155.3	252.5	273.4	2.5	13.6	1.5	309.1	328.3	300.1	9.0
SMDH 00272	812637.59	8193136.93	170.30	22.0	23.0	85.0	4331.8	2.4	14.0	916.8	32.3	466.1	72.2	208.0	132.4	215.3	233.1	2.1	10.3	1.3	345.1	365.3	336.5	8.6
SMDH 00272	812637.59	8193136.93	170.30	23.0	24.0	98.0	4001.6	2.2	12.0	1007.4	30.9	358.5	57.9	166.7	106.1	172.5	186.8	1.9	8.6	1.3	300.8	319.3	291.9	8.9
SMDH 00272	812637.59	8193136.93	170.30	24.0	25.0	85.0	5325.4	3.0	17.2	1154.8	37.3	428.9	79.3	228.3	145.3	236.3	255.9	2.7	12.9	1.3	382.8	405.5	372.1	10.7
SMDH 00013	813118.60	8193621.11	161.48	0.0	1.0	25.0	4679.2	2.3	15.5	986.9	55.4	646.6	78.6	226.4	144.1	234.3	253.7	2.0	11.9	1.3	495.1	527.8	480.3	14.7
SMDH 00013	813118.60	8193621.11	161.48	1.0	2.0	50.0	5929.4	3.5	21.1	871.3	41.7	525.5	129.5	373.0	237.4	386.0	418.0	3.2	16.2	1.4	266.4	292.0	253.9	12.5
SMDH 00013	813118.60	8193621.11	161.48	2.0	3.0	70.0	6738.2	4.6	17.2	2000.2	22.5	312.1	70.7	203.5	129.5	210.6	228.1	4.3	11.4	1.1	189.7	203.1	183.3	6.4
SMDH 00013	813118.60	8193621.11	161.48	3.0	4.0	70.0	8630.9	5.5	19.1	3271.5	31.3	375.6	44.7	128.9	82.0	133.4	144.4	5.0	12.2	1.4	418.0	436.8	409.8	8.2
SMDH 00013	813118.60	8193621.11	161.48	4.0	5.0	80.0	3462.8	2.1	10.5	836.0	14.4	217.4	48.8	140.7	89.5	145.6	157.7	2.0	7.8	0.6	149.0	157.4	144.8	4.2
SMDH 00013	813118.60	8193621.11	161.48	5.0	6.0	90.0	5660.0	3.4	18.7	1110.3	38.5	376.3	97.5	280.7	178.7	290.5	314.6	3.1	14.1	1.2	243.3	267.4	231.4	11.9
SMDH 00013	813118.60	8193621.11	161.48	6.0	7.0	80.0	5257.7	3.0	16.3	1217.4	62.3	399.3	87.0	250.6	159.5	259.4	280.9	2.7	12.0	1.3	270.4	300.5	257.3	13.1
SMDH 00013	813118.60	8193621.11	161.48	7.0	8.0	80.0	5025.6	2.8	17.9	829.3	23.6	423.4	80.7	232.3	147.9	240.4	260.3	2.6	14.0	1.2	279.8	293.8	273.0	6.8
SMDH 00013	813118.60	8193621.11	161.48	8.0	9.0	90.0	5169.6	2.8	15.8	1314.5	61.8	287.8	89.5	257.8	164.1	266.8	288.9	2.6	11.7	1.2	470.7	510.9	453.6	17.1
SMDH 00013	813118.60	8193621.11	161.48	9.0	10.0	70.0	6627.1	3.6	17.5	2094.5	56.6	814.9	57.6	165.8	105.5	171.6	185.8	3.2	12.4	1.5	737.9	772.6	722.1	15.8
SMDH 00013	813118.60	8193621.11	161.48	10.0	10.5	90.0	4621.4	2.4	15.3	999.2	34.0	481.5	68.4	197.0	125.4	203.9	220.8	2.2	11.9	1.0	446.7	467.3	436.7	10.1
SMDH 00012b	813174.99	8193619.92	161.57	0.0	1.0	40.0	3988.7	1.8	12.0	1033.2	61.1	827.9	34.9	100.5	64.0	104.1	112.7	1.5	9.0	1.2	562.5	601.2	546.7	15.8
SMDH 00012b	813174.99	8193619.92	161.57	1.0	2.0	50.0	4580.0	2.0	12.5	1317.6	70.7	1045.2	42.7	123.1	78.3	127.4	137.9	1.7	8.9	1.6	685.3	729.7	666.2	19.1
SMDH 00012b	813174.99	8193619.92	161.57	2.0	3.0	80.0	1189.8	0.5	3.7	317.9	10.7	209.7	15.5	44.6	28.4	46.2	50.0	0.5	2.9	0.2	117.8	124.2	114.8	2.9
SMDH 00012b	813174.99	8193619.92	161.57	3.0	4.0	80.0	4226.4	2.1	14.1	885.7	38.2	586.5	57.2	164.6	104.8	170.4	184.5	1.9	11.0	1.0	432.6	456.1	421.6	11.0
SMDH 00012b	813174.99	8193619.92	161.57	4.0	5.0	70.0	5039.4	2.8	15.7	1141.3	38.7	623.6	43.1	124.2	79.0	128.5	139.2	2.6	11.7	1.2	409.2	433.5	399.8	9.4
SMDH 00012b	813174.99	8193619.92	161.57	5.0	6.0	70.0	8325.3	5.3	17.7	3224.9	45.8	504.6	43.9	126.4	80.5	130.8	141.7	4.9	11.2	1.2	399.6	427.8	387.1	12.4
SMDH 00012b	813174.99	8193619.92	161.57	6.0	7.0	80.0	5344.1	3.0	16.2	1252.9	36.5	594.7	43.5	125.3	79.8	129.7	140.4	2.7	11.2	2.0	335.6	358.2	325.6	10.0
SMDH 00012b	813174.99	8193619.92	161.57	7.0	8.0	80.0	4428.3	2.3	14.6	949.6	35.0	477.3	65.8	189.5	120.6	196.1	212.4	2.1	11.1	1.2	426.2	447.2	415.8	10.4
SMDH 00012b	813174.99	8193619.92	161.57	8.0	9.0	80.0	5902.6	3.2	18.9	1326.1	46.6	617.7	58.8	169.4	107.8	175.3	189.8	3.0	14.4	1.3	492.5	521.8	480.0	12.5
SMDH 00012b	813174.99	8193619.92	161.57	9.0	10.0	90.0	5935.8	3.3	21.2	1006.2	49.0	413.9	39.1	112.7	71.8	116.7	126.3	3.1	16.2	1.6	323.2	358.0	313.7	9.5
SMDH 00012b	813174.99	8193619.92	161.57	10.0	11.0	80.0	5820.7	3.3	19.4	1208.7	38.9	384.1	42.8	123.2	78.4	127.5	138.1	3.0	14.4	1.7	353.7	380.0	345.4	8.3
SMDH 00012b	813174.99	8193619.92	161.57	11.0	12.0	75.0	6700.7	3.8	24.4	1006.6	45.0	715.8	55.2	159.1	101.2	164.6	178.3	3.5	19.0	1.6	346.4	378.0	337.7	8.7
SMDH 00012b	813174.99	8193619.92	161.57	12.0	13.0	85.0	4409.5	2.3	14.9	885.4	36.4	545.7	64.4	185.4	118.0	191.8	207.7	2.1	11.6	1.0	405.4	427.2	394.6	10.8
SMDH 00012b	813174.99	8193619.92	161.57	13.0	14.0	80.0	6278.1	3.4	20.7	1359.1	47.7	269.4	46.8	134.8	85.8	139.5	151.1	3.2	15.0	2.3	419.4	452.4	409.8	9.6
SMDH 00012	813240.53	8193620.15	161.44	0.0	1.0	45.0	4078.9	1.7	11.9	1055.3	75.8	1126.9	27.6	79.6	50.7	82.4	89.2	1.4	8.9	1.3	611.7	666.1	597.3	14.4
SMDH 00012	813240.53	8193620.15	161.44	1.0	2.0	60.0	6108.1	3.3	19.3	1314.7	49.6	973.5	56.1	161.5	102.8	167.1	181.0	3.0	14.6	1.4	400.5	435.8	391.4	9.1
SMDH 00012	813240.53	8193620.15	161.44	2.0	3.0	65.0	11591.2	7.6	22.4	4744.1	23.8	800.7	35.2	101.3	64.5	104.8	113.5	7.0	12.9	1.8	206.8	222.9	202.1	4.7
SMDH 00012	813240.53	8193620.15	161.44	3.0	4.0	70.0	7710.0	4.6	20.1	2407.3	48.8	526.8	48.9	141.0	89.7	145.9	158.0	4.3	13.7	1.7	348.4	383.8	339.5	8.9
SMDH 00012	813240.53	8193620.15	161.44	4.0	5.0	75.0	7295.8	4.3	23.4	1555.1	36.0	672.8	50.4	145.1	92.4	150.2	162.6	4.0	17.1	2.0	460.5	482.8	451.5	9.0
SMDH 00012	813240.53	8193620.15	161.44	5.0	6.0	90.0	3361.5	1.8	9.7	903.4	26.5	443.0	49.2	141.8	90.3	146.7	158.9	1.6	7.0	0.9	302.5	318.8	294.9	7.6
SMDH 00012	813240.53	8193620.15	161.44	6.0	7.0	90.0	2647.9	1.4	8.9	527.6	15.5	310.1	39.6	114.2	72.7	118.2	128.0	1.3	6.8	0.7	200.4	209.2	195.7	4.7
SMDH 00012	813240.53	8193620.15	161.44	7.0	8.0	90.0	4658.0	2.4	14.3	1154.7	37.3	623.5	71.4	205.5	130.8	212.7	230.3	2.2	10.8	1.0	436.1	459.3	426.0	10.1
SMDH 00012	813240.53	8193620.15	161.44	8.0	9.0	85.0	4966.6	2.6	16.3	1071.5	41.3	723.8	65.2	187.7	119.5	194.2	210.3	2.3	12.7	1.0	483.6	509.6	472.2	11.4
SMDH 00012	813240.53	8193620.15	161.44	9.0	10.0	90.0	5067.2	2.7	16.6	1094.9	37.1	621.7	70.6	203.4	129.5	210.5	227.9	2.4	12.8	1.1	441.5	464.8	431.4	10.2
SMDH 00011b	813290.34	8193615.56	161.02	0.0	1.0	65.0	4580.7	2.2	15.9	849.1	45.4	705.8	73.9	213.0	135.6	220.4	238.7	2.0	12.4	1.3	461.6	490.0	448.8	12.8
SMDH 00011b	813290.34	8193615.56	161.02	1.0	2.0	80.0	4212.0	2.1	13.5	985.9	47.6	396.5	64.1	184.5	117.5	191.0	206.8	1.9	10.2	1.2	432.5	462.5	419.4	13.0
SMDH 00011b	813290.34	8193615.56	161.02	2.0	3.0	85.0	6308.4	3.7	17.7	1773.3	38.6	559.4	55.3	159.2	101.4	164.8	178.5	3.4	12.8	1.2	434.3	457.4	423.6	10.7
SMDH 00011b	813290.34	8193615.56	161.02	3.0	4.0	95.0	5248.5	3.0	13.3	1696.1	47.9	457.0	56.3	162.0	103.1	167.7	181.6	2.8	9.2	1.1	315.3	345.3	302.7	12.6
SMDH 00011b	813290.34	8193615.56	161.02	4.0	5.0	90.0	6531.2	4.0	17.5	1864.9	13.0	439.0	38.3	110.4	70.3	114.3	123.7	3.7	11.1	2.4	155.5	163.2	152.8	2.7
SMDH 00011b	813290.34	8193615.56	161.02	5.0	6.0	80.0	5270.0	3.0	15.1	1447.1	44.1	468.9	71.5	206.0	131.2	213.2	230.9	2.7	10.9	1.2	350.2	377.8	338.1	12.1
SMDH 00011b	813290.34	8193615.56	161.02	6.0	7.0	95.0	5404.0	3.1	15.1	1576.9	24.5	387.9	70.1	201.9	128.5	208.9	226.2	2.8	10.8	1.2	347.8	362.4	341.0	6.8
SMDH 00011b	813290.34	8193615.56	161.02	7.0	8.0	60.0	4248.9	2.4	8.2	1716.9	29.2	484.0	17.3	49.8	31.7	51.5	55.8	2.1	4.0	1.8	285.1	302.5	276.7	8.4
SMDH 00011	813360.31	8193619.37	160.82	0.0	1.0	50.0	4438.1	2.0	11.3	1503.1	75.6	759.1	63.8	183.9	117.1	190.3	206.1	1.7	8.3	0.9	682.8	731.8	662.7	20.1
SMDH 00011	813360.31	8193619.37	160.82	1.0	2.0	60.0	5618.1	3.1	15.7	1594.1	48.8	418.6	47.0	135.5	86.2	140.2	151.8	2.9	10.7	1.9	431.1	462.9	419.3	11.7
SMDH 00011	813360.31	8193619.37	160.82	2.0	3.0	85.0	6140.4	3.3	17.0	1763.6	33.1	898.6	84.6	243.7	155.1	252.2	273.1	3.0	12.5	1.2	533.4	553.2	524.1	9.3
SMDH 00011	813360.31	8193619.37	160.82	3.0	4.0	80.0	6558.7	3.6	18.8	1767.1	37.8	974.1	107.5	309.5	197.0	320.3	346.8	3.2	14.0	1.2	563.4	586.3	552.6	10.8
SMDH 00011	813360.31	8193619.37	160.82	4.0	5.0	70.0	7260.4	4.0	22.1	1688.0	38.8	1152.9	105.9	305.0	194.1	315.6	341.8	3.6	16.6	1.4	459.0	482.8	448.5	10.5
SMDH 00010b	813411.12	8193623.60	161.85	0.0	1.0	60.0	7873.6	3.9	26.5	1596.1	119.0	1101.7	128.6	370.3	235.7	383.2	415.0	3.5	21.1	1.4	772.9	850.8	741.0	31.9
SMDH 00010b	813411.12	8193623.60	161.85	1.0	2.0	50.0	7010.9	3.7	21.8	1578.6	134.7	512.3	57.2	164.9	104.9	170.6	184.7	3.4	15.2	2.9	470.7	557.8	435.1	35.6
SMDH 00010b	813411.12	8193623.60	161.85	2.0	3.0	80.0	7879.4	4.3	27.3	1420.3	85.8	969.7	123.5	355.7	226.4	368.1	398.6	3.9	21.7	1.3	558.4	614.3	535.3	23.1
SMDH 00010b	813411.12	8193623.60	161.85	3.0	4.0	90.0	6799.5	3.7	21.9	1481.3	77.5	775.3	103.3	297.4	189.3	307.8	333.3	3.3	16.9	1.4	507.9	558.5	487.1	20.9
SMDH 00010b	813411.12	8193623.60	161.85	4.0	5.0	85.0	5836.5	3.3	16.1	1666.1	40.4	479.2	49.3	141.9	90.3	146.8	159.0	3.0	10.9	1.9	404.3	428.5	393.1	11.2
SMDH 00010b	813411.12	8193623.60	161.85	5.0	6.0	85.0	5023.1	2.7	15.0	1237.3	22.9	745.0	81.8	235.7	150.0	243.9	264.2	2.4	11.1	1.2	355.4	368.5	349.0	6.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00010b	813411.12	8193623.60	161.85	6.0	7.0	80.0	5451.5	2.8	15.6	1450.9	43.7	931.7	102.0	293.8	187.0	304.0	329.2	2.5	11.5	1.2	543.3	570.1	531.1	12.2
SMDH 00010	813480.82	8193615.12	162.98	0.0	1.0	50.0	5327.6	2.2	14.9	1718.8	102.9	542.6	47.7	137.5	87.5	142.3	154.1	1.9	10.6	2.1	1003.7	1068.3	975.9	27.8
SMDH 00010	813480.82	8193615.12	162.98	1.0	2.0	55.0	5216.5	2.9	17.5	956.2	31.2	604.2	56.8	163.7	104.2	169.4	183.5	2.7	12.9	1.6	285.4	304.9	276.8	8.6
SMDH 00010	813480.82	8193615.12	162.98	2.0	3.0	60.0	6478.0	3.8	15.4	2196.1	43.0	720.0	42.3	121.8	77.5	126.0	136.5	3.4	10.0	1.7	430.6	457.4	418.7	11.9
SMDH 00010	813480.82	8193615.12	162.98	3.0	4.0	95.0	5343.3	3.0	13.8	1725.0	42.2	473.9	59.9	172.5	109.8	178.6	193.4	2.7	9.8	1.0	369.6	395.8	357.6	11.9
SMDH 00010	813480.82	8193615.12	162.98	4.0	5.0	80.0	5425.6	3.1	12.6	1925.0	38.9	640.9	60.5	174.2	110.9	180.3	195.2	2.8	8.6	1.0	407.3	431.2	396.5	10.8
SMDH 00010	813480.82	8193615.12	162.98	5.0	6.0	90.0	4299.1	2.2	13.0	1114.1	44.7	571.9	60.6	174.7	111.2	180.8	195.7	1.9	9.8	1.0	448.5	476.6	436.2	12.3
SMDH 00010	813480.82	8193615.12	162.98	6.0	7.0	95.0	3853.4	1.9	10.9	1058.0	64.3	672.8	57.1	164.4	104.6	170.1	184.2	1.6	8.0	1.0	433.7	475.2	416.5	17.2
SMDH 00010	813480.82	8193615.12	162.98	7.0	8.0	80.0	4152.4	2.1	12.4	1055.5	44.5	667.7	62.0	178.5	113.6	184.7	200.0	1.8	9.3	1.0	426.9	454.7	414.7	12.2
SMDH 00009b	813534.93	8193613.70	163.40	0.0	1.0	55.0	6545.7	3.0	19.1	1893.6	98.6	1093.3	67.2	193.5	123.2	200.3	216.9	2.6	14.8	1.2	1067.6	1130.5	1040.4	27.3
SMDH 00009b	813534.93	8193613.70	163.40	1.0	2.0	60.0	5960.0	3.0	16.6	1842.7	50.8	542.7	58.8	169.3	107.8	175.3	189.8	2.7	12.0	1.6	806.3	838.0	792.3	14.1
SMDH 00009b	813534.93	8193613.70	163.40	2.0	3.0	75.0	5238.7	2.6	14.8	1486.9	41.2	957.5	86.4	249.0	158.5	257.7	279.0	2.2	11.1	1.1	654.6	679.1	642.8	11.9
SMDH 00009b	813534.93	8193613.70	163.40	3.0	4.0	90.0	6371.6	3.3	20.8	1398.9	33.8	970.5	95.1	274.0	174.4	283.6	307.1	2.9	16.3	1.2	617.3	637.0	607.4	9.9
SMDH 00009b	813534.93	8193613.70	163.40	4.0	5.0	80.0	7167.5	3.7	23.3	1626.0	47.9	903.1	108.1	311.3	198.1	322.1	348.8	3.3	18.3	1.3	718.9	747.8	705.1	13.8
SMDH 00009b	813534.93	8193613.70	163.40	5.0	6.0	90.0	8112.2	4.3	27.6	1618.5	60.4	1059.1	108.6	312.9	199.1	323.8	350.6	3.9	21.9	1.4	697.7	734.8	680.7	16.9
SMDH 00009b	813534.93	8193613.70	163.40	6.0	7.0	75.0	7566.4	4.1	24.4	1656.3	61.6	766.9	146.9	423.0	269.3	437.8	474.1	3.6	18.5	1.8	615.5	654.0	598.3	17.2
SMDH 00009b	813534.93	8193613.70	163.40	7.0	8.0	75.0	5748.4	3.0	16.3	1646.4	56.2	574.0	58.8	169.3	107.8	175.3	189.8	2.8	11.6	1.6	618.0	653.5	602.9	15.1
SMDH 00009	813602.16	8193617.68	163.94	0.0	1.0	45.0	3921.2	1.9	12.1	898.6	63.3	721.9	47.2	136.1	86.6	140.8	152.5	1.7	9.1	1.2	470.4	511.5	453.3	17.0
SMDH 00009	813602.16	8193617.68	163.94	1.0	2.0	55.0	6466.2	3.3	19.4	1724.8	64.0	828.9	91.4	263.4	167.7	272.6	295.2	2.9	14.9	1.3	703.0	743.5	685.3	17.8
SMDH 00009	813602.16	8193617.68	163.94	2.0	3.0	80.0	5762.3	2.9	17.4	1451.1	69.7	830.9	107.1	308.6	196.4	319.4	345.8	2.5	13.1	1.3	647.0	690.5	626.9	20.1
SMDH 00009	813602.16	8193617.68	163.94	3.0	4.0	90.0	5599.6	2.8	16.6	1438.4	66.6	1003.1	101.4	292.1	185.9	302.3	327.4	2.4	12.8	1.1	679.1	720.9	660.2	18.9
SMDH 00009	813602.16	8193617.68	163.94	4.0	5.0	90.0	5425.4	2.8	16.3	1384.5	49.5	723.2	100.9	290.5	184.9	300.7	325.6	2.5	12.3	1.2	572.5	603.1	558.5	14.0
SMDH 00009	813602.16	8193617.68	163.94	5.0	6.0	90.0	4705.6	2.5	13.6	1292.8	35.3	556.1	75.0	216.0	137.5	223.5	242.0	2.2	9.9	1.2	405.1	426.6	394.9	10.2
SMDH 00009	813602.16	8193617.68	163.94	6.0	7.0	95.0	5285.2	2.7	14.9	1496.2	61.6	827.2	96.0	276.6	176.1	286.3	310.0	2.3	11.1	1.1	596.7	635.7	579.4	17.2
SMDH 00009	813602.16	8193617.68	163.94	7.0	8.0	95.0	5670.4	2.9	16.9	1457.4	79.0	843.3	95.2	274.1	174.5	283.6	307.2	2.5	12.9	1.1	626.6	676.8	604.1	22.5
SMDH 00009	813602.16	8193617.68	163.94	8.0	9.0	95.0	6083.5	3.2	18.0	1571.5	43.2	851.9	112.1	323.0	205.6	334.2	361.9	2.8	13.5	1.3	534.6	560.8	522.2	12.4
SMDH 00009	813602.16	8193617.68	163.94	9.0	10.0	90.0	6562.8	3.5	20.8	1497.4	40.2	796.8	119.6	344.4	219.2	356.4	385.9	3.1	15.8	1.4	553.8	578.1	542.0	11.8
SMDH 00009	813602.16	8193617.68	163.94	10.0	11.0	95.0	6648.7	3.5	20.4	1607.9	44.9	987.9	127.7	367.8	234.1	380.6	412.1	3.1	15.7	1.2	669.4	696.7	656.4	12.9
SMDH 00009	813602.16	8193617.68	163.94	11.0	12.0	95.0	6965.8	3.8	22.1	1607.2	55.4	812.0	114.6	330.1	210.1	341.6	370.0	3.4	17.0	1.3	569.1	603.5	553.1	16.0
SMDH 00009	813602.16	8193617.68	163.94	12.0	13.0	95.0	5006.3	2.5	15.0	1229.8	81.3	954.9	85.5	246.1	156.7	254.7	275.8	2.1	11.4	1.0	582.0	633.1	558.6	23.4
SMDH 00008b	813649.91	8193620.48	164.28	0.0	1.0	50.0	5830.9	3.2	19.7	1111.6	50.6	721.2	72.4	208.6	132.8	215.9	233.8	2.9	15.4	1.2	413.6	445.8	399.2	14.4
SMDH 00008b	813649.91	8193620.48	164.28	1.0	2.0	85.0	5700.7	2.8	18.9	1209.2	63.7	829.0	101.7	292.9	186.5	303.2	328.3	2.5	14.9	1.2	665.7	705.3	647.5	18.2
SMDH 00008b	813649.91	8193620.48	164.28	2.0	3.0	90.0	4515.5	2.2	15.3	857.0	28.2	726.7	92.8	267.2	170.1	276.6	299.5	2.0	11.9	1.2	439.4	456.1	431.1	8.3
SMDH 00008b	813649.91	8193620.48	164.28	3.0	4.0	70.0	5185.6	2.5	17.2	1140.6	42.9	668.9	92.5	266.4	169.6	275.7	298.5	2.2	13.4	1.3	593.9	620.0	581.5	12.4
SMDH 00008b	813649.91	8193620.48	164.28	4.0	5.0	85.0	5258.9	2.7	16.3	1291.6	50.9	665.3	92.5	266.4	169.6	275.7	298.5	2.4	12.4	1.2	536.5	568.3	522.2	14.4
SMDH 00008b	813649.91	8193620.48	164.28	5.0	6.0	90.0	5581.5	2.9	16.8	1450.4	39.7	760.3	87.2	251.1	159.8	259.9	281.4	2.6	12.8	1.1	559.5	583.5	548.2	11.4
SMDH 00008b	813649.91	8193620.48	164.28	6.0	7.0	90.0	4861.3	2.4	13.4	1444.1	50.4	765.9	75.4	217.1	138.2	224.7	243.3	2.1	9.9	1.0	567.2	598.2	552.7	14.5
SMDH 00008b	813649.91	8193620.48	164.28	7.0	8.0	95.0	4207.6	2.0	11.2	1364.0	51.4	764.5	59.6	171.5	109.2	177.5	192.2	1.7	8.5	0.8	647.7	679.6	633.1	14.6
SMDH 00008b	813649.91	8193620.48	164.28	8.0	9.0	98.0	4363.5	2.1	12.5	1214.4	65.9	716.9	69.4	200.0	127.3	206.9	224.1	1.8	9.5	0.9	563.4	604.6	544.8	18.6
SMDH 00008b	813649.91	8193620.48	164.28	9.0	10.0	95.0	4610.3	2.3	13.7	1205.4	78.6	726.8	66.2	190.7	121.4	197.3	213.7	2.0	10.5	1.0	523.3	572.3	500.3	23.1
SMDH 00008b	813649.91	8193620.48	164.28	10.0	10.5	95.0	4588.7	2.3	13.4	1202.5	73.1	805.8	71.7	206.5	131.4	213.7	231.4	2.0	10.0	1.1	496.3	543.0	475.7	20.6
SMDH 00008	813714.07	8193620.83	166.09	0.0	1.0	50.0	4832.4	2.3	16.3	971.1	49.4	728.8	79.3	228.3	145.3	236.2	255.8	2.1	12.7	1.3	497.1	528.1	483.1	13.9
SMDH 00008	813714.07	8193620.83	166.09	1.0	2.0	65.0	5655.6	3.2	18.5	1217.7	61.2	379.3	62.9	181.2	115.4	187.6	203.1	2.9	13.9	1.4	386.1	425.7	369.7	16.4
SMDH 00008	813714.07	8193620.83	166.09	2.0	3.0	90.0	5183.2	2.6	16.4	1186.0	68.8	720.9	85.5	246.4	156.8	255.0	276.1	2.3	12.5	1.3	481.7	525.5	462.6	19.1
SMDH 00008	813714.07	8193620.83	166.09	3.0	4.0	95.0	5183.9	2.7	15.6	1328.0	62.7	682.6	74.4	214.4	136.5	221.9	240.3	2.4	11.8	1.1	482.6	522.1	464.9	17.7
SMDH 00008	813714.07	8193620.83	166.09	4.0	5.0	95.0	5788.0	3.1	16.1	1663.8	54.0	690.0	79.4	228.7	145.6	236.7	256.4	2.8	11.7	1.3	445.0	478.6	429.3	15.7
SMDH 00008	813714.07	8193620.83	166.09	5.0	6.0	95.0	5310.3	2.8	16.1	1318.2	47.3	638.8	79.1	227.8	145.0	235.8	255.3	2.6	12.0	1.2	410.3	440.0	397.0	13.3
SMDH 00008	813714.07	8193620.83	166.09	6.0	7.0	95.0	7638.0	4.1	24.6	1647.2	92.4	931.1	128.6	370.4	235.8	383.4	415.1	3.7	18.9	1.6	582.3	641.4	556.0	26.2
SMDH 00007b	813771.24	8193619.24	167.27	0.0	1.0	45.0	8687.8	4.4	22.9	2506.7	96.7	1310.3	42.6	122.6	78.0	126.9	137.4	4.0	14.3	4.2	666.8	736.1	648.0	18.8
SMDH 00007b	813771.24	8193619.24	167.27	1.0	2.0	5.0	9170.1	5.3	24.5	2526.0	80.2	734.6	47.8	137.8	87.7	142.6	154.4	4.9	14.7	4.5	350.8	409.6	336.3	14.5
SMDH 00007b	813771.24	8193619.24	167.27	2.0	3.0	40.0	10457.5	6.8	28.8	2818.7	16.2	968.5	130.6	376.1	239.4	389.2	421.5	6.3	20.8	1.2	85.5	94.8	81.1	4.4
SMDH 00007b	813771.24	8193619.24	167.27	3.0	4.0	85.0	8782.4	5.6	27.7	1802.6	39.5	789.5	132.0	380.2	242.0	393.5	426.1	5.2	20.7	1.4	108.3	134.1	97.9	10.4
SMDH 00007b	813771.24	8193619.24	167.27	4.0	5.0	95.0	8279.3	5.4	28.8	1316.0	30.7	402.2	140.4	404.4	257.4	418.5	453.2	5.1	22.0	1.4	121.9	141.6	113.6	8.4
SMDH 00007b	813771.24	8193619.24	167.27	5.0	6.0	95.0	8664.8	5.9	29.2	1483.2	30.2	238.3	151.9	437.4	278.4	452.7	490.2	5.5	22.0	1.4	103.7	122.8	95.2	8.5
SMDH 00007b	813771.24	8193619.24	167.27	6.0	7.0	90.0	8892.7	5.9	29.4	1641.4	55.7	246.9	144.5	416.3	265.0	430.8	466.5	5.5	22.0	1.5	120.7	157.9	106.0	14.8
SMDH 00007	813834.11	8193620.09	166.42	0.0	1.0	60.0	4795.8	2.4	15.7	1024.1	48.7	766.4	79.1	227.7	145.0	235.7	255.2	2.1	12.3	1.0	454.4	485.2	440.7	13.7
SMDH 00007	813834.11	8193620.09	166.42	1.0	2.0	50.0	6613.2	3.4	20.4	1262.9	49.6	750.9	40.7	117.3	74.7	121.4	131.5	3.2	11.5	5.4	308.0	343.9	299.2	8.8
SMDH 00007	813834.11	8193620.09	166.42	2.0	3.0	70.0	7723.6	4.5	19.6	2232.1	54.3	673.8	39.7	114.3	72.8	118.3	128.1	4.1	10.8	4.3	379.0	417.5	368.5	10.5
SMDH 00007	813834.11	8193620.09	166.42	3.0	4.0	75.0	7844.3	4.7	23.7	1861.9	17.8	816.2	115.7	333.3	212.2	344.9	373.5	4.3	17.4	1.6	276.1	286.3	271.4	4.8
SMDH 00007	813834.11	8193620.09	166.42	4.0	5.0	75.0	7513.8	4.5	19.4	2413.1	31.2	527.7	96.8	278.9	177.5	288.6	312.5	4.1	13.6	1.4	451.8	470.4	442.9	9.0
SMDH 00007	813834.11	8193620.09	166.42	5.0	6.0	80.0	9911.0	6.2	24.2	3367.1	54.0	593.1	107.1	308.6	196.4	319.4	345.8	5.7	16.7	1.3	475.6	509.2	460.2	15.3
SMDH 00007	813834.11	8193620.09	166.42	6.0	7.0	90.0	7948.1	4.2	21.7	2394.4	156.6	769.9	108.4	312.3	198.8	323.2	350.0	3.8	16.0	1.4	553.9	625.4	521.1	32.9
SMDH 00007	813834.11	8193620.09	166.42	7.0	8.0	95.0	6370.1	3.5	18.3	1735.4	62.0	715.7	88.3	254.2	161.8	263.1	284.9	3.2	13.6	1.2	475.9	514.9	458.3	17.6
SMDH 00007	813834.11	8193620.09	166.42	8.0	9.0	95.0	5330.5	2.8	15.1	1494.9	66.5	764.8	77.1	222.2	141.4	229.9	249.0	2.5	11.2	1.1	529.0	571.5	510.6	18.4
SMDH 00007	813834.11	8193620.09	166.42	9.0	10.0	95.0	4453.6	2.3	12.9	1227.6	47.8	528.4	53.6	154.3	98.2	159.7	173.0	2.1	9.5	1.1	392.1	422.4	378.8	13.4
SMDH 00007	813834.11	8193620.09	166.42	10.0	11.0	90.0	5440.9	2.9	15.2	1578.6	55.0	703.9	74.7	215.2	137.0	222.7	241.2	2.5	11.2	1.1	512.0	546.0	496.4	15.6
SMDH 00006b	813894.85	8193619.34	166.09	0.0	1.0	65.0	4379.3	2.0	13.6	1100.9	58.6	799.9	58.0	167.0	106.3	172.9	187.2	1.7	10.5	1.0	548.1	585.7	531.9	16.1
SMDH 00006b	813894.85	8193619.34	166.09	1.0	2.0	55.0	6137.9	2.9	19.5	1283.9	119.2	823.1	43.5	125.2	79.7	129.6	140.4	2.6	13.3	3.3	655.7	742.7	632.9	22.8
SMDH 00006b	813894.85	8193619.34	166.09	2.0	3.0	80.0	4432.4	2.2	13.4	1121.2	80.6	511.8	76.0	219.0	139.4	226.6	245.4	1.9	10.0	1.3	490.8	543.7	469.0	21.8
SMDH 00006b	813894.85	8193619.34	166.09	3.0	4.0	90.0	5688.3	3.1	14.0	1932.7	66.6	602.1	66.2	190.7	121.4	197.3	213.7	2.8	9.8	1.1	463.0	506.5	445.0	18.0
SMDH 00006b	813894.85	8193619.34	166.09	4.0	5.0	75.0	7183.7	4.0	18.0	2111.5	63.7	728.8	36.0	103.6	66.0	107.2	116.1	3.7	9.7	4.3	429.6	476.4	418.2	11.3
SMDH 00006b	813894.85	8193619.34	166.09	5.0	6.0	85.0	6975.3	3.5	19.0	2201.7	76.0	783.7	102.9	296.5	188.7	306.8	332.3	3.1	14.1	1.4	884.1	932.8	863.3	20.7
SMDH 00006b	813894.85	8193619.34	166.09	6.0	7.0	90.0	6862.6	3.5	22.0	1588.4	64.9	762.8	110.8	319.2	203.2	330.4	357.8	3.2	16.9	1.6	685.1	726.5	667.6	17.6
SMDH 00006b	813894.85	8193619.34	166.09	7.0	8.0	85.0	6115.4	3.0	17.7	1726.0	75.3	817.0	97.8	281.6	179.3	291.5	315.6	2.6	13.3	1.4	779.3	827.7	758.6	20.7
SMDH 00006b	813894.85	8193619.34	166.09	8.0	9.0	70.0	6714.7	3.2	20.3	1602.5	109.6	763.2	42.7	123.0	78.3	127.3	137.8	2.9	13.4	3.7	713.7	793.6	693.5	20.2
SMDH 00006b	813894.85	8193619.34	166.09	9.0	10.0	90.0	5961.3	2.9	18.1	1544.4	70.4	807.8	93.9	270.5	172.2	279.9	303.1	2.6	13.8	1.4	718.0	763.5	699.0	19.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00006b	813894.85	8193619.34	166.09	10.0	11.0	90.0	5589.1	2.7	16.1	1594.1	76.8	797.2	89.3	257.1	163.6	266.0	288.1	2.4	12.2	1.2	765.3	814.6	744.2	21.1
SMDH 00006b	813894.85	8193619.34	166.09	11.0	11.5	45.0	7835.7	3.8	23.5	1827.5	111.5	952.4	49.4	142.4	90.6	147.4	159.6	3.5	15.0	4.7	756.2	836.6	734.9	21.3
SMDH 00006	813955.92	8193624.49	167.64	0.0	1.0	40.0	4663.0	2.1	16.1	954.2	63.5	835.9	61.8	178.1	113.4	184.3	199.6	1.8	13.2	0.9	591.7	632.1	573.9	17.8
SMDH 00006	813955.92	8193624.49	167.64	1.0	2.0	60.0	3884.6	1.8	13.3	781.1	41.2	506.4	71.5	206.0	131.2	213.2	230.9	1.6	10.3	1.2	427.8	453.8	416.3	11.4
SMDH 00006	813955.92	8193624.49	167.64	2.0	3.0	70.0	5662.3	2.7	16.4	1659.7	84.3	658.9	85.0	244.8	155.8	253.3	274.3	2.3	12.3	1.4	742.1	797.7	720.2	21.9
SMDH 00006	813955.92	8193624.49	167.64	3.0	4.0	85.0	5490.8	2.8	15.5	1618.8	52.8	581.5	79.4	228.8	145.6	236.8	256.4	2.5	11.4	1.3	535.0	568.7	520.7	14.3
SMDH 00006	813955.92	8193624.49	167.64	4.0	5.0	70.0	6860.5	3.8	17.5	2311.5	43.0	599.1	84.2	242.6	154.4	251.0	271.9	3.4	12.4	1.3	554.5	581.2	542.7	11.8
SMDH 00006	813955.92	8193624.49	167.64	5.0	6.0	85.0	6947.0	3.7	21.7	1628.1	85.5	828.1	100.5	289.5	184.3	299.6	324.4	3.3	16.6	1.4	538.7	594.8	515.4	23.4
SMDH 00006	813955.92	8193624.49	167.64	6.0	7.0	90.0	5117.4	2.6	14.8	1414.6	73.4	719.2	75.3	216.8	138.0	224.4	243.0	2.2	11.0	1.2	559.1	606.7	539.3	19.9
SMDH 00006	813955.92	8193624.49	167.64	7.0	8.0	80.0	5395.1	2.7	16.4	1366.8	69.7	756.7	73.6	212.1	135.0	219.5	237.7	2.4	12.5	1.2	544.4	589.2	525.3	19.1
SMDH 00006	813955.92	8193624.49	167.64	8.0	9.0	90.0	5187.1	2.5	16.4	1294.4	61.3	571.4	81.3	234.2	149.1	242.4	262.4	2.2	12.6	1.3	573.6	612.6	556.4	17.2
SMDH 00006	813955.92	8193624.49	167.64	9.0	10.0	90.0	5063.0	2.5	15.6	1299.9	55.6	630.0	72.3	208.3	132.6	215.6	233.4	2.2	11.9	1.2	507.2	542.7	491.7	15.6
SMDH 00005b	814012.97	8193621.88	168.35	0.0	1.0	20.0	7493.9	4.1	27.6	1036.6	54.4	1180.3	60.7	174.9	111.3	181.0	196.0	3.8	22.0	1.6	616.5	650.1	600.8	15.7
SMDH 00005b	814012.97	8193621.88	168.35	1.0	2.0	25.0	5731.5	3.0	19.1	1105.6	40.8	765.7	62.5	180.0	114.6	186.3	201.7	2.8	14.1	1.9	514.3	538.6	502.6	11.6
SMDH 00005b	814012.97	8193621.88	168.35	2.0	3.0	65.0	4373.1	2.1	14.1	966.7	35.7	762.7	81.9	235.8	150.1	244.0	264.2	1.9	10.9	1.0	494.6	516.1	484.3	10.3
SMDH 00005b	814012.97	8193621.88	168.35	3.0	4.0	90.0	4867.6	2.3	14.6	1321.7	53.2	720.8	71.5	205.9	131.0	213.1	230.7	2.0	11.2	1.1	653.8	687.3	639.1	14.7
SMDH 00005b	814012.97	8193621.88	168.35	4.0	5.0	90.0	5185.7	2.7	14.3	1506.4	52.9	785.3	82.6	237.8	151.4	246.1	266.5	2.3	10.6	1.1	619.4	652.4	604.8	14.6
SMDH 00005b	814012.97	8193621.88	168.35	5.0	6.0	95.0	5419.5	2.9	15.6	1463.4	47.1	788.5	77.6	223.4	142.2	231.2	250.4	2.6	11.7	1.0	575.8	605.0	562.7	13.2
SMDH 00005	814079.69	8193625.44	168.63	0.0	1.0	50.0	5984.2	3.2	17.1	1716.7	41.0	710.9	72.6	209.1	133.1	216.4	234.3	2.9	12.9	1.1	496.3	521.6	484.6	11.8
SMDH 00005	814079.69	8193625.44	168.63	1.0	2.0	40.0	6700.3	3.6	24.4	841.0	28.3	1164.9	81.2	233.8	148.8	241.9	262.0	3.3	18.4	2.3	379.6	397.2	372.7	6.9
SMDH 00005	814079.69	8193625.44	168.63	2.0	3.0	60.0	5586.3	2.8	17.6	1314.0	48.3	857.6	94.7	272.7	173.6	282.2	305.6	2.5	13.5	1.2	619.6	648.4	605.2	14.4
SMDH 00005	814079.69	8193625.44	168.63	3.0	4.0	65.0	4781.0	2.4	14.2	1216.6	44.5	815.7	84.8	244.2	155.5	252.8	273.7	2.1	10.8	1.1	543.7	570.9	531.2	12.5
SMDH 00005	814079.69	8193625.44	168.63	4.0	5.0	65.0	5816.2	3.1	17.6	1436.0	52.2	831.1	100.5	289.5	184.3	299.6	324.4	2.7	13.4	1.2	579.6	612.0	565.0	14.6
SMDH 00005	814079.69	8193625.44	168.63	5.0	6.0	80.0	6261.9	3.5	16.8	1873.5	58.3	800.7	94.9	273.2	173.9	282.7	306.2	3.1	12.2	1.1	532.3	568.8	515.7	16.6
SMDH 00005	814079.69	8193625.44	168.63	6.0	7.0	75.0	5247.9	2.8	15.0	1445.6	51.1	746.1	78.9	227.2	144.6	235.1	254.6	2.5	11.2	1.0	504.4	536.3	489.9	14.5
SMDH 00005	814079.69	8193625.44	168.63	7.0	8.0	85.0	4674.2	2.3	13.7	1230.0	55.8	855.5	78.4	225.7	143.7	233.6	252.9	2.0	10.4	1.0	582.8	617.9	567.2	15.6
SMDH 00005	814079.69	8193625.44	168.63	8.0	9.0	90.0	5092.2	2.6	13.3	1609.6	55.6	851.7	70.0	201.6	128.3	208.6	225.9	2.3	9.8	0.8	560.5	595.5	544.7	15.8
SMDH 00005	814079.69	8193625.44	168.63	9.0	10.0	92.0	4672.8	2.3	13.2	1281.7	62.2	918.0	77.3	222.7	141.8	230.5	249.6	2.0	9.9	1.0	597.0	636.4	579.7	17.4
SMDH 00004b	814131.70	8193625.05	168.15	0.0	1.0	40.0	6350.8	3.1	25.2	697.5	39.6	888.5	92.4	266.0	169.3	275.3	298.1	2.9	20.4	1.7	385.3	409.6	373.8	11.5
SMDH 00004b	814131.70	8193625.05	168.15	1.0	2.0	45.0	5288.5	2.5	19.8	809.6	43.9	715.6	88.0	253.6	161.4	262.4	284.2	2.2	15.8	1.5	460.9	488.0	448.4	12.5
SMDH 00004b	814131.70	8193625.05	168.15	2.0	3.0	90.0	5354.1	2.5	20.1	797.9	40.9	758.8	95.3	274.4	174.7	284.0	307.6	2.3	16.2	1.4	467.5	492.3	455.8	11.6
SMDH 00004b	814131.70	8193625.05	168.15	3.0	4.0	85.0	5165.9	2.4	19.1	781.9	45.9	800.3	99.8	287.5	183.0	297.5	322.2	2.2	15.2	1.5	447.6	475.8	434.7	12.9
SMDH 00004b	814131.70	8193625.05	168.15	4.0	5.0	85.0	5209.6	2.3	17.8	1058.2	74.3	828.0	113.0	325.3	207.1	336.7	364.6	2.0	14.1	1.4	639.2	685.1	616.9	22.2
SMDH 00004b	814131.70	8193625.05	168.15	5.0	6.0	80.0	4444.1	2.0	16.0	695.6	45.1	717.6	106.6	307.1	195.5	317.8	344.1	1.8	12.5	1.5	394.9	423.3	382.2	12.7
SMDH 00004b	814131.70	8193625.05	168.15	6.0	7.0	60.0	5539.2	2.7	20.3	856.0	46.6	856.1	113.4	326.6	207.9	338.0	366.0	2.4	16.3	1.4	468.0	496.7	454.7	13.3
SMDH 00004b	814131.70	8193625.05	168.15	7.0	8.0	65.0	5061.6	2.3	17.3	984.5	52.6	906.0	111.8	321.9	204.9	333.1	360.7	2.0	13.6	1.3	550.4	583.1	535.5	14.9
SMDH 00004	814196.84	8193624.74	167.25	0.0	1.0	45.0	5680.8	2.7	21.4	652.5	31.2	1263.6	108.5	312.5	198.9	323.4	350.2	2.4	17.0	1.7	347.7	366.7	338.6	9.1
SMDH 00004	814196.84	8193624.74	167.25	1.0	2.0	45.0	3442.5	1.7	12.3	468.6	20.1	597.4	75.3	216.9	138.0	224.4	243.0	1.5	9.0	1.6	203.7	215.9	198.2	5.5
SMDH 00004	814196.84	8193624.74	167.25	2.0	3.0	40.0	3998.7	2.1	12.6	880.1	17.9	507.7	79.2	228.2	145.2	236.1	255.7	1.9	9.0	1.4	292.5	302.8	288.0	4.6
SMDH 00004	814196.84	8193624.74	167.25	3.0	4.0	60.0	5190.1	2.6	14.9	1385.5	34.3	904.0	98.5	283.8	180.6	293.7	318.0	2.3	10.9	1.3	573.8	593.9	564.1	9.7
SMDH 00004	814196.84	8193624.74	167.25	4.0	5.0	55.0	5432.6	2.8	16.6	1341.1	35.5	793.7	101.3	291.9	185.8	302.1	327.1	2.5	12.5	1.2	578.0	598.6	567.7	10.2
SMDH 00004	814196.84	8193624.74	167.25	5.0	6.0	75.0	4861.7	2.7	12.9	1426.2	25.6	739.1	87.7	252.5	160.7	261.3	283.0	2.3	9.1	1.1	417.6	432.2	410.2	7.4
SMDH 00004	814196.84	8193624.74	167.25	6.0	7.0	70.0	5098.2	2.9	14.5	1331.0	17.5	625.2	84.0	241.9	154.0	250.4	271.1	2.6	10.3	1.3	300.2	310.1	295.4	4.8
SMDH 00004	814196.84	8193624.74	167.25	7.0	8.0	85.0	5529.3	3.2	13.6	1864.1	20.8	624.1	75.9	218.6	139.2	226.3	245.0	2.8	9.3	1.1	437.6	449.0	431.6	6.1
SMDH 00003b	814252.82	8193621.90	166.12	0.0	1.0	60.0	4986.2	2.3	16.8	831.9	42.4	1487.3	87.2	251.1	159.9	259.9	281.5	1.9	13.1	1.5	459.2	485.0	446.9	12.4
SMDH 00003b	814252.82	8193621.90	166.12	1.0	2.0	80.0	5214.4	2.4	16.3	1237.9	78.7	942.2	90.8	261.6	166.5	270.7	293.2	2.1	12.5	1.4	688.2	737.9	665.8	22.4
SMDH 00003b	814252.82	8193621.90	166.12	2.0	3.0	85.0	6101.8	3.5	16.4	1828.5	31.7	524.9	88.1	253.6	161.4	262.5	284.2	3.1	11.5	1.5	415.9	435.2	407.3	8.6
SMDH 00003b	814252.82	8193621.90	166.12	3.0	4.0	65.0	7031.7	4.2	17.4	2340.2	44.8	591.8	85.9	247.5	157.5	256.1	277.3	3.8	12.0	1.2	453.4	480.9	440.6	12.7
SMDH 00003b	814252.82	8193621.90	166.12	4.0	5.0	70.0	6282.7	3.5	17.7	1715.9	69.4	756.5	101.3	291.7	185.7	301.9	326.9	3.1	13.0	1.2	481.5	525.5	461.6	19.9
SMDH 00003b	814252.82	8193621.90	166.12	5.0	6.0	88.0	5436.9	2.9	16.9	1235.3	84.4	669.9	92.7	267.1	170.0	276.4	299.3	2.6	12.8	1.3	451.5	506.3	428.2	23.3
SMDH 00003b	814252.82	8193621.90	166.12	6.0	7.0	75.0	6168.7	3.4	19.0	1470.3	64.9	673.3	92.7	267.1	170.0	276.4	299.3	3.1	14.4	1.2	466.1	507.2	447.6	18.6
SMDH 00003b	814252.82	8193621.90	166.12	7.0	8.0	70.0	6718.7	4.1	13.9	2739.0	30.3	345.8	60.7	174.8	111.3	180.9	195.9	3.7	8.7	1.1	430.0	448.3	421.4	8.5
SMDH 00003b	814252.82	8193621.90	166.12	8.0	9.0	85.0	5394.8	3.1	14.5	1576.0	21.9	601.7	86.3	248.7	158.3	257.3	278.7	2.8	10.1	1.3	348.3	361.0	342.4	5.9
SMDH 00003	814316.86	8193617.84	164.75	0.0	1.0	45.0	3094.3	1.4	9.4	723.2	33.0	984.5	47.6	137.0	87.2	141.7	153.5	1.1	7.6	0.4	392.0	412.2	382.6	9.5
SMDH 00003	814316.86	8193617.84	164.75	1.0	2.0	50.0	4753.5	2.3	14.7	1190.6	48.4	701.2	90.1	259.6	165.2	268.7	290.9	2.0	11.4	1.0	649.2	679.2	635.5	13.7
SMDH 00003	814316.86	8193617.84	164.75	2.0	3.0	55.0	4898.1	2.5	16.3	1046.8	57.7	443.7	78.6	226.3	144.1	234.2	253.6	2.3	12.5	1.2	455.1	490.3	438.0	17.1
SMDH 00003	814316.86	8193617.84	164.75	3.0	4.0	50.0	5628.8	3.1	16.2	1561.5	51.7	474.9	85.1	245.2	156.1	253.8	274.8	2.8	11.8	1.2	461.6	493.4	446.6	14.9
SMDH 00003	814316.86	8193617.84	164.75	4.0	5.0	35.0	5158.9	2.8	14.7	1460.2	58.0	430.5	67.6	194.8	124.0	201.6	218.3	2.6	10.7	1.2	437.6	473.6	420.8	16.8
SMDH 00003	814316.86	8193617.84	164.75	5.0	6.0	50.0	5200.7	2.8	16.8	1136.4	61.5	488.1	75.0	216.0	137.5	223.6	242.1	2.6	12.8	1.2	428.3	467.1	410.6	17.7
SMDH 00003	814316.86	8193617.84	164.75	6.0	7.0	75.0	5569.0	3.1	16.0	1504.4	67.5	486.9	72.9	209.8	133.6	217.2	235.2	2.9	11.7	1.2	404.6	448.2	386.2	18.4
SMDH 00003	814316.86	8193617.84	164.75	7.0	8.0	65.0	4577.5	2.5	12.9	1251.1	78.8	441.7	60.5	174.4	111.0	180.5	195.4	2.3	9.2	1.2	342.6	394.0	321.2	21.4
SMDH 00003	814316.86	8193617.84	164.75	8.0	8.5	45.0	4909.6	2.6	14.8	1226.6	78.6	480.9	74.9	215.7	137.3	223.3	241.8	2.4	10.9	1.2	441.7	492.2	419.9	21.8
SMDH 00002b	814371.09	8193619.73	163.50	0.0	1.0	45.0	4365.3	2.0	13.6	1028.0	50.5	976.0	74.5	214.6	136.6	222.1	240.5	1.7	10.8	0.9	563.5	594.8	548.8	14.7
SMDH 00002b	814371.09	8193619.73	163.50	1.0	2.0	50.0	4734.3	2.3	16.8	833.0	43.7	653.1	94.0	270.7	172.3	280.2	303.4	2.0	13.2	1.3	455.4	482.7	443.1	12.3
SMDH 00002b	814371.09	8193619.73	163.50	2.0	3.0	90.0	6410.1	4.0	13.6	2397.0	15.5	577.0	82.5	237.6	151.3	245.9	266.3	3.6	8.3	1.2	135.5	145.0	131.5	4.0
SMDH 00002b	814371.09	8193619.73	163.50	3.0	4.0	85.0	7206.8	4.1	13.7	3230.4	28.1	445.6	77.0	221.7	141.1	229.4	248.4	3.6	8.5	1.1	693.4	709.2	685.3	8.1
SMDH 00002b	814371.09	8193619.73	163.50	4.0	5.0	80.0	5092.1	3.4	13.2	1546.0	2.3	18.9	80.9	232.9	148.2	241.0	261.0	3.1	8.6	1.2	9.0	9.3	7.1	1.9
SMDH 00002b	814371.09	8193619.73	163.50	5.0	6.0	90.0	5065.9	3.0	14.1	1423.8	16.0	428.8	98.4	283.3	180.3	293.2	317.5	2.6	10.1	1.1	393.5	401.8	388.7	4.7
SMDH 00002b	814371.09	8193619.73	163.50	6.0	7.0	95.0	4360.3	2.5	11.9	1299.2	20.2	275.4	75.9	218.6	139.2	226.3	245.0	2.2	8.3	1.1	350.3	361.7	344.6	5.7
SMDH 00002b	814371.09	8193619.73	163.50	7.0	7.5	50.0	7796.5	5.2	14.6	3155.7	12.0	432.7	40.8	117.6	74.9	121.7	131.8	4.8	7.3	2.1	145.4	152.1	142.6	2.9
SMDH 00002	814435.99	8193623.76	162.46	0.0	1.0	40.0	3573.9	1.6	11.4	889.8	46.5	530.8	62.0	178.5	113.6	184.7	200.0	1.4	9.1	0.7	492.1	521.0	478.6	13.5
SMDH 00002	814435.99	8193623.76	162.46	1.0	2.0	70.0	3689.3	2.0	12.4	715.2	24.5	386.0	69.8	201.0	127.9	208.0	225.2	1.8	9.3	1.2	245.0	260.1	238.4	6.6
SMDH 00002	814435.99	8193623.76	162.46	2.0	3.0	65.0	4522.3	2.9	11.8	1362.5	7.2	246.7	58.5	168.4	107.2	174.3	188.7	2.6	7.8	1.1	45.8	49.6	43.6	2.2
SMDH 00002	814435.99	8193623.76	162.46	3.0	4.0	80.0	8091.7	5.6	13.0	3739.7	18.8	274.5	60.1	173.2	110.2	179.2	194.1	5.1	6.6	0.8	224.2	235.1	218.9	5.3
SMDH 00002	814435.99	8193623.76	162.46	4.0	5.0	90.0	6467.8	3.9	16.5	2098.2	53.9	396.6	83.3	240.0	152.8	248.4	268.9	3.5	11.4	1.2	461.2	494.1	445.2	16.0
SMDH 00002	814435.99	8193623.76	162.46	5.0	6.0	90.0	5620.2	3.1	15.7	1514.8	54.9	797.4	93.3	268.8	171.1	278.2	301.3	2.8	11.4	1.2	457.6	491.4	441.5	16.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00002	814435.99	8193623.76	162.46	6.0	7.0	95.0	5159.0	3.3	14.6	1264.1	10.1	614.2	88.6	255.2	162.4	264.1	286.0	3.0	10.3	1.1	71.6	77.4	68.7	2.9
SMDH 00002	814435.99	8193623.76	162.46	7.0	8.0	98.0	4911.2	2.7	14.8	1091.8	43.7	834.1	88.9	256.2	163.1	265.1	287.1	2.4	10.9	1.2	333.4	361.1	321.5	11.9
SMDH 00002	814435.99	8193623.76	162.46	8.0	9.0	98.0	5739.1	3.4	16.4	1276.9	25.4	1194.4	143.9	414.5	263.9	429.0	464.5	2.9	11.6	1.4	232.6	248.5	226.2	6.4
SMDH 00002	814435.99	8193623.76	162.46	9.0	10.0	90.0	5000.2	2.5	14.4	1436.8	48.9	517.3	94.2	271.4	172.8	280.9	304.2	2.2	10.7	1.3	648.3	679.2	634.9	13.3
SMDH 00002	814435.99	8193623.76	162.46	10.0	11.0	95.0	5545.4	2.7	17.0	1471.7	92.7	538.3	98.6	284.1	180.8	294.0	318.4	2.4	13.0	1.3	747.7	806.3	721.4	26.3
SMDH 00002	814435.99	8193623.76	162.46	11.0	12.0	98.0	5411.2	2.8	17.0	1212.9	74.2	761.8	95.3	274.6	174.8	284.2	307.8	2.5	13.0	1.3	545.9	592.3	524.6	21.3
SMDH 00002	814435.99	8193623.76	162.46	12.0	13.0	95.0	5897.3	3.1	18.4	1382.7	69.9	781.1	93.5	269.4	171.5	278.8	301.9	2.8	14.1	1.2	585.2	628.0	564.6	20.7
SMDH 00002	814435.99	8193623.76	162.46	13.0	14.0	90.0	5121.7	2.7	15.9	1157.1	60.6	801.1	89.5	257.7	164.0	266.7	288.8	2.4	12.0	1.2	499.9	536.8	481.8	18.2
SMDH 00001b	814495.33	8193621.30	161.59	0.0	1.0	65.0	5023.7	2.4	17.1	874.9	51.9	1144.4	117.4	338.2	215.3	350.0	379.0	2.0	13.5	1.2	484.6	517.6	470.0	14.6
SMDH 00001b	814495.33	8193621.30	161.59	1.0	2.0	50.0	7266.1	4.7	18.3	2298.7	32.9	203.3	128.5	370.0	235.5	382.9	414.6	4.3	12.3	1.3	174.0	195.8	165.9	8.2
SMDH 00001b	814495.33	8193621.30	161.59	2.0	3.0	60.0	7641.2	5.1	18.9	2411.1	24.5	298.0	152.3	438.8	279.3	454.1	491.7	4.6	12.8	1.1	137.8	153.1	131.1	6.7
SMDH 00001b	814495.33	8193621.30	161.59	3.0	4.0	70.0	9810.3	6.7	29.5	2160.4	48.7	340.2	327.1	942.1	599.7	974.9	1055.7	6.0	22.0	0.8	183.9	215.4	170.0	13.8
SMDH 00001b	814495.33	8193621.30	161.59	4.0	5.0	60.0	9572.5	6.5	29.5	1954.8	52.2	374.5	326.7	941.0	599.0	973.8	1054.5	5.9	22.0	0.9	209.6	243.5	194.8	14.8
SMDH 00001b	814495.33	8193621.30	161.59	5.0	6.0	75.0	7373.3	4.3	24.0	1471.0	77.6	679.9	164.8	474.8	302.2	491.3	532.0	3.9	18.6	1.1	413.6	463.3	391.9	21.7
SMDH 00001b	814495.33	8193621.30	161.59	6.0	7.0	70.0	5242.0	3.1	14.8	1422.2	41.0	481.1	79.4	228.6	145.5	236.6	256.2	2.8	10.6	1.1	315.7	341.3	304.3	11.4
SMDH 00001b	814495.33	8193621.30	161.59	7.0	8.0	85.0	7164.3	4.3	21.4	1722.5	50.5	694.5	127.5	367.2	233.8	380.1	411.6	3.9	16.0	1.2	345.6	376.8	331.1	14.6
SMDH 00001b	814495.33	8193621.30	161.59	8.0	9.0	90.0	7494.9	4.4	24.6	1472.6	65.5	641.7	166.8	480.3	305.7	497.1	538.3	4.0	19.0	1.2	362.1	403.3	343.2	18.8
SMDH 00001b	814495.33	8193621.30	161.59	9.0	9.5	80.0	5755.4	3.4	17.3	1372.1	43.3	595.9	88.8	255.8	162.8	264.7	286.6	3.1	12.7	1.2	264.1	291.3	251.9	12.2
SMDH 00001	814555.80	8193622.08	161.81	0.0	1.0	40.0	4737.6	2.3	16.9	671.7	41.3	1132.1	67.7	195.1	124.2	201.9	218.7	2.0	13.1	1.5	376.8	402.7	366.2	10.7
SMDH 00001	814555.80	8193622.08	161.81	1.0	2.0	55.0	4757.4	2.2	15.7	976.4	56.2	1049.0	94.3	271.6	172.9	281.1	304.4	1.9	12.7	0.8	544.4	579.4	528.1	16.3
SMDH 00001	814555.80	8193622.08	161.81	2.0	3.0	60.0	4041.4	1.9	13.4	794.0	38.5	927.7	73.2	211.0	134.3	218.3	236.4	1.7	10.7	0.8	429.6	453.0	418.1	11.4
SMDH 00001	814555.80	8193622.08	161.81	3.0	4.0	50.0	5229.1	2.8	18.0	965.6	40.4	550.7	79.9	230.0	146.4	238.1	257.8	2.6	14.0	1.2	391.1	416.3	379.8	11.3
SMDH 00001	814555.80	8193622.08	161.81	4.0	5.0	90.0	5853.2	3.4	21.2	880.7	33.3	512.6	97.3	280.3	178.5	290.1	314.2	3.1	16.5	1.3	285.4	305.4	275.6	9.8
SMDH 00001	814555.80	8193622.08	161.81	5.0	6.0	85.0	6243.8	3.8	18.4	1559.4	32.2	566.0	93.4	268.9	171.2	278.3	301.3	3.4	13.4	1.2	256.5	276.1	247.2	9.3
SMDH 00001	814555.80	8193622.08	161.81	6.0	7.0	80.0	5824.4	3.5	15.7	1714.5	28.1	448.7	77.8	224.2	142.7	232.0	251.3	3.2	11.1	1.1	297.8	314.7	289.8	7.9
SMDH 00001	814555.80	8193622.08	161.81	7.0	8.0	95.0	6462.6	3.8	17.7	1873.0	33.7	617.5	84.8	244.3	155.5	252.8	273.8	3.5	12.8	1.1	367.5	387.8	357.8	9.7
SMDH 00001	814555.80	8193622.08	161.81	8.0	9.0	85.0	6171.5	3.5	16.9	1850.8	39.4	618.9	77.0	221.7	141.1	229.4	248.4	3.1	12.3	1.1	488.1	512.0	477.0	11.2
SMDH 00001	814555.80	8193622.08	161.81	9.0	10.0	90.0	5074.5	2.8	15.5	1203.8	36.4	669.6	79.3	228.3	145.3	236.3	255.9	2.5	11.5	1.2	410.2	432.1	399.5	10.8
SMDH 00001	814555.80	8193622.08	161.81	10.0	11.0	60.0	4683.8	2.5	15.4	938.0	33.4	579.8	85.5	246.4	156.8	255.0	276.1	2.3	11.5	1.3	374.4	394.4	364.7	9.8
SMDH 00001	814555.80	8193622.08	161.81	11.0	12.0	65.0	5141.9	2.7	16.6	1082.1	36.7	732.7	86.8	250.0	159.1	258.7	280.1	2.4	12.6	1.3	456.2	478.0	445.5	10.7
SMDH 00001	814555.80	8193622.08	161.81	12.0	13.0	75.0	5230.8	2.9	15.1	1457.7	21.6	478.4	82.0	236.1	150.3	244.3	264.6	2.6	11.0	1.2	490.2	502.2	484.0	6.2
SMDH 00001	814555.80	8193622.08	161.81	13.0	14.0	70.0	4657.6	2.6	14.2	1126.4	23.9	447.0	79.3	228.3	145.3	236.3	255.9	2.3	10.4	1.2	377.6	391.5	370.8	6.8
SMDH 00205	814496.79	8193504.00	162.06	0.0	1.0	45.0	4632.7	2.2	15.8	831.2	49.7	828.5	56.5	162.6	103.5	168.3	182.2	2.0	11.7	1.9	478.6	507.8	463.3	15.3
SMDH 00205	814496.79	8193504.00	162.06	1.0	2.0	50.0	5285.0	2.7	17.7	1000.2	46.5	834.9	96.2	277.2	176.4	286.8	310.6	2.4	13.7	1.3	512.6	541.4	499.4	13.2
SMDH 00205	814496.79	8193504.00	162.06	2.0	3.0	50.0	5255.4	3.0	17.2	835.8	15.5	1125.1	114.4	329.3	209.6	340.8	369.1	2.7	12.9	1.2	218.0	226.7	213.7	4.3
SMDH 00205	814496.79	8193504.00	162.06	3.0	4.0	60.0	4649.1	2.8	13.5	1084.3	10.0	615.1	73.3	211.3	134.5	218.6	236.7	2.5	9.4	1.4	76.4	82.0	73.7	2.8
SMDH 00205	814496.79	8193504.00	162.06	4.0	5.0	40.0	8671.4	5.9	14.1	3910.6	5.4	304.8	28.5	82.0	52.2	84.9	91.9	5.4	6.2	2.0	26.1	28.6	24.2	1.9
SMDH 00205	814496.79	8193504.00	162.06	5.0	6.0	45.0	4688.7	2.8	11.9	1442.9	17.1	516.1	66.5	191.4	121.8	198.1	214.5	2.5	7.9	1.2	227.3	237.1	222.7	4.7
SMDH 00205	814496.79	8193504.00	162.06	6.0	7.0	70.0	5117.3	2.7	15.2	1252.4	53.3	883.7	85.4	245.9	156.5	254.5	275.6	2.4	11.4	1.1	492.4	524.3	476.2	16.2
SMDH 00205	814496.79	8193504.00	162.06	7.0	8.0	75.0	5258.5	2.8	15.9	1253.9	50.7	745.1	92.7	266.9	169.9	276.2	299.1	2.5	11.9	1.2	434.2	465.1	419.1	15.0
SMDH 00205	814496.79	8193504.00	162.06	8.0	9.0	80.0	5958.9	3.2	19.3	1227.1	58.2	893.0	106.1	305.5	194.5	316.2	342.4	2.8	14.9	1.3	518.6	553.9	501.2	17.4
SMDH 00205	814496.79	8193504.00	162.06	9.0	10.0	80.0	6029.1	3.2	18.6	1366.9	58.2	1021.4	117.9	339.5	216.1	351.3	380.4	2.8	14.1	1.3	598.8	634.1	581.4	17.3
SMDH 00205	814496.79	8193504.00	162.06	10.0	11.0	90.0	6618.1	3.6	22.1	1262.7	60.7	959.6	111.1	319.9	203.7	331.1	358.6	3.2	17.2	1.3	509.3	547.2	491.9	17.4
SMDH 00205	814496.79	8193504.00	162.06	11.0	12.0	40.0	5377.5	2.8	16.8	1165.1	72.0	883.4	95.3	274.4	174.7	284.0	307.6	2.5	12.7	1.3	490.6	536.2	470.0	20.6
SMDH 00205	814496.79	8193504.00	162.06	12.0	13.0	60.0	5113.2	2.7	16.9	1002.7	59.7	729.7	90.1	259.6	165.2	268.7	290.9	2.4	12.9	1.3	423.5	461.3	406.6	16.9
SMDH 00205	814496.79	8193504.00	162.06	13.0	14.0	55.0	4942.3	2.6	15.9	1023.9	61.8	705.4	90.8	261.4	166.4	270.5	292.9	2.3	12.0	1.3	437.1	475.8	419.1	18.0
SMDH 00205	814496.79	8193504.00	162.06	14.0	15.0	90.0	5724.9	3.1	18.6	1156.2	63.0	779.1	100.8	290.4	184.9	300.5	325.4	2.8	14.3	1.3	444.4	483.9	426.0	18.3
SMDH 00205	814496.79	8193504.00	162.06	15.0	16.0	90.0	8742.9	5.7	29.0	1473.8	67.6	657.5	210.5	606.2	385.9	627.4	679.4	5.2	22.0	1.3	369.3	411.6	349.3	19.9
SMDH 00205b	814436.89	8193509.07	163.13	0.0	1.0	40.0	4821.9	2.3	17.0	825.9	40.1	871.0	92.2	265.5	169.0	274.8	297.6	2.0	13.4	1.3	459.2	483.4	447.0	12.2
SMDH 00205b	814436.89	8193509.07	163.13	1.0	2.0	50.0	4128.4	2.0	13.3	871.9	49.1	700.2	74.3	214.1	136.3	221.6	239.9	1.7	10.0	1.3	437.3	467.6	422.8	14.5
SMDH 00205b	814436.89	8193509.07	163.13	2.0	3.0	60.0	4301.3	2.1	14.4	823.8	53.8	700.5	76.6	220.5	140.4	228.2	247.1	1.9	11.0	1.2	404.8	438.5	389.2	15.6
SMDH 00205b	814436.89	8193509.07	163.13	3.0	4.0	60.0	5916.8	3.5	13.0	2204.4	44.3	577.5	64.5	185.8	118.3	192.3	208.2	3.2	8.6	0.9	343.8	371.7	331.4	12.5
SMDH 00205b	814436.89	8193509.07	163.13	4.0	5.0	60.0	5262.3	3.0	14.6	1498.7	34.6	573.6	73.1	210.6	134.1	218.0	236.0	2.7	10.6	1.0	378.1	398.8	367.9	10.2
SMDH 00205b	814436.89	8193509.07	163.13	5.0	6.0	80.0	6954.3	4.1	17.9	2124.0	67.0	888.7	101.4	292.1	185.9	302.2	327.3	3.6	12.8	1.1	429.3	471.3	410.1	19.2
SMDH 00205b	814436.89	8193509.07	163.13	6.0	7.0	90.0	6622.8	4.0	16.3	2145.2	25.1	789.7	101.5	292.3	186.1	302.5	327.6	3.5	11.3	1.1	364.7	379.4	357.4	7.2
SMDH 00205b	814436.89	8193509.07	163.13	7.0	8.0	90.0	5348.3	3.2	14.3	1443.5	16.4	896.3	92.3	265.7	169.2	275.0	297.8	2.8	10.0	1.1	214.7	224.1	210.0	4.6
SMDH 00205b	814436.89	8193509.07	163.13	8.0	9.0	60.0	6983.1	4.0	18.8	1996.2	34.0	1094.9	129.4	372.6	237.1	385.6	417.5	3.5	13.8	1.1	522.3	542.1	512.1	10.2
SMDH 00205b	814436.89	8193509.07	163.13	9.0	9.8	65.0	9024.5	5.2	28.4	1603.2	52.9	2140.4	254.0	731.5	465.6	757.0	819.7	4.5	22.0	1.3	741.1	772.6	725.2	15.9
SMDH 00206	814379.51	8193503.90	164.06	0.0	1.0	40.0	4068.8	1.9	13.6	739.3	42.8	766.0	30.8	88.6	56.4	91.7	99.3	1.7	9.7	2.0	365.8	393.0	354.4	11.4
SMDH 00206	814379.51	8193503.90	164.06	1.0	2.0	40.0	3994.7	2.0	12.6	937.0	61.4	467.5	59.5	171.4	109.1	177.3	192.0	1.7	9.4	1.2	384.2	424.2	367.7	16.6
SMDH 00206	814379.51	8193503.90	164.06	2.0	3.0	55.0	4844.4	2.6	13.9	1277.6	59.3	619.4	74.5	214.6	136.6	222.1	240.5	2.3	10.0	1.3	371.7	410.4	355.8	15.9
SMDH 00206	814379.51	8193503.90	164.06	3.0	4.0	75.0	4760.5	2.5	13.5	1321.0	66.6	547.7	62.7	180.5	114.9	186.8	202.2	2.3	9.9	1.1	390.4	433.7	372.2	18.2
SMDH 00206	814379.51	8193503.90	164.06	4.0	5.0	80.0	5677.2	3.2	14.1	1905.0	49.3	515.1	78.0	224.6	143.0	232.4	251.7	2.9	9.8	1.2	427.1	458.4	413.4	13.8
SMDH 00206	814379.51	8193503.90	164.06	5.0	6.0	95.0	6453.4	3.8	15.7	2206.8	26.1	579.2	80.5	231.8	147.6	239.9	259.8	3.4	10.7	1.1	385.2	400.3	377.4	7.8
SMDH 00206	814379.51	8193503.90	164.06	6.0	7.0	90.0	4927.1	2.7	13.6	1429.8	47.5	554.2	71.7	206.4	131.4	213.6	231.3	2.4	9.7	1.1	427.9	457.5	414.4	13.5
SMDH 00206	814379.51	8193503.90	164.06	7.0	8.0	80.0	5208.1	2.9	15.4	1312.5	58.2	568.8	71.2	204.9	130.4	212.1	229.7	2.6	11.4	1.2	347.8	385.7	332.0	15.8
SMDH 00206	814379.51	8193503.90	164.06	8.0	9.0	90.0	5714.3	3.3	16.2	1536.2	66.5	544.7	85.0	244.8	155.8	253.4	274.4	3.0	11.6	1.3	351.2	394.5	332.8	18.3
SMDH 00206b	814313.98	8193504.37	164.59	0.0	1.0	30.0	4146.3	1.9	13.7	848.5	41.7	1088.8	63.8	183.8	117.0	190.2	206.0	1.6	11.1	0.7	495.2	520.7	483.0	12.2
SMDH 00206b	814313.98	8193504.37	164.59	1.0	2.0	50.0	5387.0	2.8	16.4	1342.4	74.8	628.4	81.1	233.6	148.7	241.7	261.8	2.5	12.3	1.3	508.0	556.3	487.1	20.9
SMDH 00206b	814313.98	8193504.37	164.59	2.0	3.0	65.0	5397.7	2.8	16.8	1271.5	58.9	718.4	90.6	260.9	166.1	270.0	292.4	2.5	12.7	1.3	502.5	539.8	486.0	16.5
SMDH 00206b	814313.98	8193504.37	164.59	3.0	4.0	60.0	6453.1	3.5	17.2	2003.2	53.8	695.1	91.6	263.8	167.9	273.0	295.6	3.2	12.5	1.2	556.3	589.6	540.9	15.5
SMDH 00206b	814313.98	8193504.37	164.59	4.0	5.0	80.0	5892.2	3.2	17.5	1565.6	44.6	623.2	92.9	267.7	170.4	277.0	300.0	2.8	13.1	1.2	490.4	517.3	477.2	13.2
SMDH 00206b	814313.98	8193504.37	164.59	5.0	6.0	75.0	5894.6	3.3	15.1	1918.8	48.5	691.8	86.4	249.0	158.5	257.7	279.0	2.9	10.9	1.0	489.5	517.7	473.6	15.9
SMDH 00206b	814313.98	8193504.37	164.59	6.0	7.0	80.0	5722.7	3.0	15.9	1671.5	54.2	719.6	95.3	274.5	174.7	284.1	307.6	2.7	11.8	1.1	525.8	558.2	508.8	17.0
SMDH 00206b	814313.98	8193504.37	164.59	7.0	8.0	85.0	6954.8	3.8	17.8	2258.0	49.9	948.7	102.7	295.8	188.3	306.1	331.5	3.3	13.0	1.0	616.4	647.0	602.9	13.5
SMDH 00206b	814313.98	8193504.37	164.59	8.0	9.0	90.0	6399.4	3.6	16.0	2151.7	30.3	746.6	87.9	253.2	161.2	262.1	283.8	3.2	11.4	1.0	491.6	509.8	483.2	8.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00206b	814313.98	8193504.37	164.59	9.0	10.0	80.0	4737.7	2.4	12.6	1535.7	38.8	566.2	92.6	266.7	169.8	276.0	298.9	2.0	9.2	1.1	566.4	589.4	554.7	11.6
SMDH 00206b	814313.98	8193504.37	164.59	10.0	11.0	90.0	5273.8	2.7	13.0	1800.7	48.0	719.4	91.6	263.9	168.0	273.1	295.7	2.4	9.2	1.1	585.4	614.5	570.7	14.7
SMDH 00206b	814313.98	8193504.37	164.59	11.0	12.0	90.0	4995.7	2.4	14.7	1315.1	54.8	922.9	99.7	287.3	182.9	297.3	321.9	2.1	11.3	1.0	574.5	606.5	557.0	17.5
SMDH 00207	814258.69	8193503.46	165.11	0.0	1.0	50.0	4274.6	1.9	16.1	533.8	28.5	736.8	103.0	296.6	188.8	307.0	332.4	1.7	12.3	1.8	304.9	322.9	297.9	7.1
SMDH 00207	814258.69	8193503.46	165.11	1.0	2.0	65.0	4037.1	1.9	12.3	1046.1	48.0	459.7	80.1	230.8	146.9	238.8	258.6	1.6	8.9	1.6	491.1	521.7	479.1	12.0
SMDH 00207	814258.69	8193503.46	165.11	2.0	3.0	55.0	5970.9	3.3	14.0	2091.7	63.7	742.2	88.0	253.4	161.3	262.2	284.0	2.9	9.5	1.2	446.5	488.1	430.8	15.6
SMDH 00207	814258.69	8193503.46	165.11	3.0	4.0	70.0	5511.4	2.8	14.4	1691.3	91.4	885.8	97.8	281.7	179.3	291.5	315.7	2.4	10.4	1.2	657.0	717.7	633.5	23.5
SMDH 00207	814258.69	8193503.46	165.11	4.0	5.0	60.0	5958.7	3.5	12.8	2203.5	49.7	793.4	85.8	247.1	157.3	255.7	276.9	3.1	8.2	1.1	387.4	420.2	376.2	11.2
SMDH 00207	814258.69	8193503.46	165.11	5.0	6.0	85.0	5859.7	3.3	15.8	1673.7	58.4	831.4	99.8	287.4	182.9	297.4	322.1	2.9	11.4	1.2	445.2	482.7	430.6	14.7
SMDH 00207	814258.69	8193503.46	165.11	6.0	7.0	75.0	5959.4	3.2	16.5	1563.6	53.3	1198.4	121.4	349.7	222.6	361.9	391.9	2.8	12.1	1.2	558.9	591.6	544.6	14.2
SMDH 00207	814258.69	8193503.46	165.11	7.0	8.0	60.0	4664.8	2.4	12.4	1338.6	59.1	789.9	92.9	267.6	170.3	276.9	299.9	2.1	8.9	1.1	551.1	587.2	534.3	16.8
SMDH 00207	814258.69	8193503.46	165.11	8.0	9.0	80.0	3947.3	2.1	9.6	1308.2	34.8	500.5	87.2	251.1	159.8	259.9	281.4	1.8	6.6	0.9	527.7	548.6	517.8	9.8
SMDH 00207	814258.69	8193503.46	165.11	9.0	10.0	90.0	3852.7	1.9	11.2	1054.6	45.3	645.6	84.0	241.9	154.0	250.3	271.1	1.6	8.7	0.7	512.2	540.0	499.4	12.8
SMDH 00207	814258.69	8193503.46	165.11	10.0	10.5	40.0	5580.6	3.3	14.7	1516.7	13.6	474.0	34.0	97.9	62.3	101.3	109.7	3.1	8.4	3.0	174.4	181.9	170.8	3.6
SMDH 00207b	814198.97	8193505.20	165.18	0.0	1.0	45.0	3500.4	1.6	9.2	933.7	50.7	1265.0	61.3	176.6	112.4	182.8	197.9	1.3	6.8	0.8	421.8	454.2	407.8	14.0
SMDH 00207b	814198.97	8193505.20	165.18	1.0	2.0	15.0	11901.4	11.9	34.6	1024.0	34.3	822.7	393.3	1132.7	721.0	1172.3	1269.4	11.2	22.0	0.7	440.8	461.6	431.2	9.7
SMDH 00207b	814198.97	8193505.20	165.18	2.0	3.0	45.0	3085.4	1.4	7.6	1048.9	50.7	525.6	77.3	222.7	141.8	230.5	249.6	1.1	5.3	1.0	546.3	579.4	532.6	13.6
SMDH 00207b	814198.97	8193505.20	165.18	3.0	4.0	95.0	5800.6	3.1	10.2	2729.4	42.1	549.5	75.1	216.3	137.7	223.9	242.4	2.7	6.3	0.8	823.7	850.1	812.1	11.6
SMDH 00207b	814198.97	8193505.20	165.18	4.0	5.0	87.0	6400.2	3.7	16.7	2003.3	48.6	566.5	134.2	386.6	246.1	400.1	433.2	3.3	12.3	0.7	377.1	408.2	363.7	13.5
SMDH 00207b	814198.97	8193505.20	165.18	5.0	6.0	45.0	9391.4	5.9	28.7	2169.4	73.5	520.2	262.0	754.7	480.4	781.0	845.8	5.3	22.0	0.8	225.5	275.1	205.9	19.6
SMDH 00207b	814198.97	8193505.20	165.18	6.0	7.0	50.0	4070.5	1.9	13.4	982.6	58.1	401.3	77.3	222.6	141.7	230.4	249.5	1.6	10.6	0.9	500.3	536.0	482.8	17.5
SMDH 00208	814141.09	8193501.42	165.96	0.0	1.0	55.0	3663.8	1.7	9.9	980.1	57.5	926.5	69.9	201.3	128.1	208.3	225.5	1.4	6.9	1.3	430.7	469.5	417.4	13.3
SMDH 00208	814141.09	8193501.42	165.96	1.0	2.0	60.0	4030.9	1.9	11.9	1087.6	61.6	375.9	75.5	217.5	138.4	225.0	243.7	1.7	8.6	1.4	457.5	498.1	442.5	15.0
SMDH 00208	814141.09	8193501.42	165.96	2.0	3.0	95.0	6545.6	3.7	15.7	2177.9	61.4	944.6	102.7	295.8	188.3	306.1	331.5	3.3	10.8	1.1	533.0	573.9	518.9	14.2
SMDH 00208	814141.09	8193501.42	165.96	3.0	4.0	70.0	6559.9	3.6	16.2	2125.7	71.5	1059.8	105.4	303.5	193.2	314.1	340.1	3.1	11.4	1.1	624.8	671.6	607.5	17.3
SMDH 00208	814141.09	8193501.42	165.96	4.0	5.0	90.0	5742.0	3.3	13.6	1869.6	55.8	897.0	93.3	268.6	171.0	278.0	301.0	2.9	9.2	1.2	476.3	512.4	461.9	14.4
SMDH 00208	814141.09	8193501.42	165.96	5.0	6.0	50.0	5346.5	3.2	12.1	1812.7	41.5	699.9	67.2	193.5	123.2	200.3	216.9	2.9	7.8	1.1	270.2	297.3	259.9	10.3
SMDH 00208	814141.09	8193501.42	165.96	6.0	7.0	70.0	5107.6	2.8	12.9	1630.2	51.4	747.4	70.7	203.6	129.6	210.7	228.2	2.4	8.9	1.2	495.0	528.0	480.9	14.1
SMDH 00208	814141.09	8193501.42	165.96	7.0	8.0	85.0	5667.8	3.2	12.1	2115.8	60.0	769.0	75.7	218.1	138.8	225.7	244.4	2.8	7.8	1.1	508.1	546.5	492.5	15.5
SMDH 00208	814141.09	8193501.42	165.96	8.0	8.5	45.0	5299.6	3.0	12.8	1757.0	58.2	583.0	75.5	217.5	138.5	225.1	243.8	2.7	8.5	1.2	432.0	468.3	415.4	16.6
SMDH 00208b	814076.16	8193501.80	166.66	0.0	1.0	45.0	4201.8	2.0	13.2	930.9	38.3	870.0	60.0	172.8	110.0	178.8	193.6	1.7	9.9	1.3	389.8	414.7	381.0	8.9
SMDH 00208b	814076.16	8193501.80	166.66	1.0	2.0	55.0	4177.4	1.9	14.5	796.6	54.6	578.6	90.0	259.2	165.0	268.2	290.5	1.6	11.3	1.4	486.0	523.0	473.7	12.4
SMDH 00208b	814076.16	8193501.80	166.66	2.0	3.0	65.0	5255.7	2.5	12.9	1794.7	109.5	821.0	78.5	226.0	143.8	233.9	253.2	2.2	9.1	1.3	641.2	716.1	613.5	27.7
SMDH 00208b	814076.16	8193501.80	166.66	3.0	4.0	70.0	5524.6	2.9	13.9	1817.7	75.3	765.2	73.2	210.8	134.2	218.2	236.3	2.5	9.8	1.2	500.5	549.4	479.3	21.2
SMDH 00208b	814076.16	8193501.80	166.66	4.0	5.0	65.0	5713.2	3.0	13.8	1986.3	63.9	688.6	85.4	245.9	156.5	254.5	275.6	2.7	9.6	1.2	557.4	598.4	540.0	17.4
SMDH 00208b	814076.16	8193501.80	166.66	5.0	6.0	90.0	4898.5	2.6	11.9	1600.9	51.3	902.3	75.9	218.7	139.2	226.3	245.1	2.2	8.2	1.1	445.0	478.3	431.2	13.7
SMDH 00208b	814076.16	8193501.80	166.66	6.0	7.0	90.0	4811.9	2.5	11.2	1630.4	72.7	895.8	71.4	205.6	130.9	212.8	230.5	2.2	7.5	1.1	486.3	533.8	466.3	20.0
SMDH 00209	814018.80	8193501.82	166.51	0.0	1.0	40.0	4424.0	1.0	3.5	2492.0	137.5	2967.1	44.2	127.2	81.0	131.6	142.5	0.4	2.1	0.4	1523.6	1610.4	1484.5	39.1
SMDH 00209	814018.80	8193501.82	166.51	1.0	2.0	55.0	5120.9	2.7	15.2	949.4	49.4	1791.5	94.9	273.4	174.0	282.9	306.4	2.3	11.2	1.3	388.7	420.4	376.0	12.6
SMDH 00209	814018.80	8193501.82	166.51	2.0	3.0	90.0	5378.4	3.4	14.9	826.0	31.4	2406.6	61.1	175.9	112.0	182.0	197.1	3.0	10.5	1.0	160.1	180.8	151.7	8.4
SMDH 00209	814018.80	8193501.82	166.51	3.0	4.0	80.0	5456.5	3.6	15.2	855.8	22.0	2215.0	54.5	156.9	99.9	162.3	175.8	3.2	10.6	1.0	149.6	164.1	144.5	5.1
SMDH 00209	814018.80	8193501.82	166.51	4.0	5.0	60.0	3814.6	2.0	11.5	577.9	16.4	1688.7	85.0	244.8	155.8	253.3	274.3	1.7	8.7	0.8	218.6	228.3	214.5	4.1
SMDH 00209	814018.80	8193501.82	166.51	5.0	6.0	80.0	5574.6	2.9	17.6	1199.4	53.9	971.6	104.8	301.7	192.1	312.3	338.2	2.6	13.5	1.1	536.7	569.1	520.3	16.4
SMDH 00209	814018.80	8193501.82	166.51	6.0	7.0	98.0	6772.5	3.3	16.9	1780.4	83.6	2743.1	105.0	302.3	192.5	312.9	338.8	2.7	12.3	1.3	745.1	795.6	718.8	26.4
SMDH 00209	814018.80	8193501.82	166.51	7.0	8.0	95.0	6844.5	3.6	17.8	1691.0	70.3	2463.3	103.1	296.9	189.0	307.3	332.7	3.1	12.9	1.3	584.2	627.8	563.8	20.4
SMDH 00209	814018.80	8193501.82	166.51	8.0	9.0	95.0	6132.2	3.1	16.0	1692.8	65.9	1794.9	100.3	289.0	183.9	299.1	323.8	2.6	11.6	1.3	670.2	710.5	650.6	19.7
SMDH 00209	814018.80	8193501.82	166.51	9.0	10.0	92.0	8546.8	4.6	24.7	1984.6	64.7	2214.6	177.7	511.9	325.9	529.8	573.7	4.0	18.9	1.2	929.0	969.6	911.2	17.8
SMDH 00209	814018.80	8193501.82	166.51	10.0	11.0	88.0	5922.1	3.1	17.6	1224.0	83.5	1612.7	108.3	312.0	198.6	322.9	349.7	2.7	13.2	1.3	463.1	516.0	439.4	23.7
SMDH 00209	814018.80	8193501.82	166.51	11.0	12.0	90.0	5451.6	2.7	18.2	1011.4	77.4	1028.6	98.7	284.1	180.9	294.0	318.4	2.4	14.2	1.3	448.0	496.1	424.2	23.8
SMDH 00209	814018.80	8193501.82	166.51	12.0	13.0	95.0	6131.4	3.0	20.8	1240.6	72.1	728.8	147.4	424.6	270.3	439.4	475.8	2.6	16.3	1.5	621.0	665.9	599.7	21.2
SMDH 00209	814018.80	8193501.82	166.51	13.0	14.0	50.0	7497.5	4.1	19.9	2401.2	61.1	785.2	115.2	331.8	211.2	343.4	371.8	3.6	14.7	1.2	564.8	606.4	551.3	13.5
SMDH 00209	814018.80	8193501.82	166.51	14.0	15.0	90.0	6526.2	3.2	19.0	1807.1	71.3	933.3	131.5	378.8	241.1	392.0	424.5	2.8	14.5	1.3	625.7	673.3	609.2	16.5
SMDH 00209	814018.80	8193501.82	166.51	15.0	16.0	95.0	6279.0	3.1	17.5	1584.1	76.8	1729.1	111.2	320.2	203.8	331.4	358.8	2.6	13.0	1.4	597.7	647.7	576.6	21.1
SMDH 00209	814018.80	8193501.82	166.51	16.0	17.0	90.0	5197.5	2.8	14.5	1580.4	53.1	142.2	101.5	292.5	186.2	302.7	327.8	2.5	10.3	1.4	495.9	533.0	486.1	9.8
SMDH 00209	814018.80	8193501.82	166.51	17.0	17.5	80.0	5973.9	3.7	17.6	1514.7	39.5	164.3	119.4	344.0	219.0	356.0	385.5	3.4	12.6	1.3	285.3	312.3	277.8	7.5
SMDH 00209b	813958.05	8193508.76	165.11	0.0	1.0	70.0	3987.2	1.7	13.4	975.2	66.3	148.8	77.2	222.2	141.5	230.0	249.1	1.5	10.2	1.5	506.1	549.4	488.5	17.6
SMDH 00209b	813958.05	8193508.76	165.11	1.0	2.0	40.0	5530.3	3.2	16.2	1492.5	60.3	88.4	82.3	237.1	150.9	245.4	265.7	3.0	11.5	1.5	396.1	434.5	379.0	17.1
SMDH 00209b	813958.05	8193508.76	165.11	2.0	3.0	85.0	4943.6	3.0	12.2	1516.2	60.9	470.3	69.6	200.5	127.6	207.5	224.7	2.7	8.0	1.2	318.1	358.7	302.6	15.5
SMDH 00209b	813958.05	8193508.76	165.11	3.0	4.0	50.0	5537.4	3.2	12.9	1954.8	66.8	481.9	63.5	182.8	116.3	189.1	204.8	2.9	8.5	1.2	440.6	483.6	422.1	18.5
SMDH 00209b	813958.05	8193508.76	165.11	4.0	5.0	60.0	5178.3	2.8	13.9	1517.5	49.0	697.4	89.7	258.2	164.4	267.3	289.4	2.5	9.9	1.3	547.5	579.1	535.5	12.0
SMDH 00209b	813958.05	8193508.76	165.11	5.0	6.0	65.0	5519.0	2.9	14.8	1669.8	54.4	730.7	90.3	260.0	165.5	269.1	291.4	2.6	10.6	1.2	618.8	653.5	604.7	14.1
SMDH 00209b	813958.05	8193508.76	165.11	6.0	7.0	80.0	5477.8	2.8	14.6	1662.3	94.2	671.4	100.5	289.5	184.3	299.6	324.4	2.5	10.5	1.3	653.2	712.6	626.3	26.9
SMDH 00209b	813958.05	8193508.76	165.11	7.0	8.0	90.0	6080.3	3.2	15.0	2086.5	57.7	768.8	89.3	257.1	163.6	266.0	288.1	2.8	10.7	1.2	611.9	648.2	596.2	15.7
SMDH 00209b	813958.05	8193508.76	165.11	8.0	9.0	95.0	4889.7	2.8	11.5	1651.3	23.6	693.6	78.8	227.0	144.5	234.9	254.4	2.4	7.5	1.2	269.0	283.1	262.8	6.2
SMDH 00209b	813958.05	8193508.76	165.11	9.0	10.0	80.0	5381.1	3.0	14.9	1497.2	36.9	665.8	96.4	277.7	176.8	287.4	311.2	2.7	10.7	1.1	305.8	329.1	296.2	9.6
SMDH 00209b	813958.05	8193508.76	165.11	10.0	11.0	90.0	5204.9	3.0	12.6	1650.6	32.1	821.4	95.0	273.7	174.2	283.3	306.8	2.6	8.5	1.1	236.2	258.4	230.3	5.9
SMDH 00209b	813958.05	8193508.76	165.11	11.0	11.5	20.0	4665.8	2.3	12.1	1415.9	63.2	925.4	72.6	209.2	133.2	216.5	234.4	2.0	8.6	1.2	461.0	504.1	446.8	14.2
SMDH 00210	813895.83	8193503.31	164.54	0.0	1.0	10.0	4030.9	1.9	12.7	923.1	52.4	560.7	82.5	237.7	151.3	246.0	266.4	1.6	9.3	1.6	465.9	502.5	455.5	10.4
SMDH 00210	813895.83	8193503.31	164.54	1.0	2.0	40.0	5047.4	3.0	13.5	1374.0	72.0	590.9	71.6	206.3	131.3	213.5	231.2	2.7	9.2	1.3	285.4	337.7	272.7	12.7
SMDH 00210	813895.83	8193503.31	164.54	2.0	3.0	98.0	5093.9	2.6	13.3	1483.5	88.4	985.1	68.0	195.8	124.7	202.7	219.5	2.3	9.5	1.2	575.4	637.0	556.1	19.3
SMDH 00210	813895.83	8193503.31	164.54	3.0	4.0	70.0	6420.7	3.8	18.3	1632.4	98.2	718.7	89.4	257.5	163.9	266.5	288.5	3.4	13.3	1.2	404.4	472.0	382.0	22.4
SMDH 00210	813895.83	8193503.31	164.54	4.0	5.0	48.0	6050.8	3.7	14.9	1847.8	89.7	673.7	70.2	202.2	128.7	209.3	226.6	3.4	10.1	1.1	332.1	395.2	312.8	19.3
SMDH 00210	813895.83	8193503.31	164.54	5.0	6.0	90.0	4365.4	2.5	12.7	952.4	88.6	750.9	61.5	177.3	112.8	183.5	198.7	2.3	9.0	1.2	161.3	222.4	138.7	22.6
SMDH 00210	813895.83	8193503.31	164.54	6.0	7.0	80.0	4942.8	2.9	15.0	965.5	96.6	824.7	82.8	238.5	151.8	246.8	267.3	2.6	10.8	1.4	154.8	216.5	127.0	27.9
SMDH 00210	813895.83	8193503.31	164.54	7.0	8.0	90.0	7107.3	4.3	15.7	2532.7	52.2	937.5	77.4	222.8	141.8	230.6	249.7	3.8	10.3	1.2	457.9	489.2	442.4	15.5
SMDH 00210	813895.83	8193503.31	164.54	8.0	9.0	95.0	5273.8	2.9	15.3	1388.2	49.8	605.1	81.3	234.1	149.0	242.3	262.4	2.6	11.0	1.4	521.1	551.7	507.3	13.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00210	813895.83	8193503.31	164.54	9.0	10.0	95.0	7902.4	4.7	21.2	2279.7	59.5	878.1	87.0	250.4	159.4	259.2	280.7	4.3	15.0	1.4	498.3	535.2	481.5	16.8
SMDH 00210	813895.83	8193503.31	164.54	10.0	11.0	80.0	5931.0	3.4	15.0	1868.5	35.6	775.0	82.6	237.9	151.4	246.2	266.6	3.0	10.3	1.3	481.8	504.1	472.7	9.2
SMDH 00210b	813840.16	8193509.14	165.79	0.0	1.0	85.0	4169.4	2.0	8.7	1534.0	46.2	1107.4	68.2	196.5	125.1	203.3	220.2	1.7	5.6	1.1	581.3	609.8	567.8	13.5
SMDH 00210b	813840.16	8193509.14	165.79	1.0	2.0	55.0	4964.2	2.2	13.1	1573.7	74.6	965.0	83.3	239.8	152.6	248.2	268.7	1.9	9.7	1.2	869.1	915.9	849.2	19.9
SMDH 00210b	813840.16	8193509.14	165.79	2.0	3.0	45.0	6204.2	3.7	12.9	2350.6	56.9	819.8	79.0	227.4	144.7	235.3	254.8	3.2	8.0	1.2	401.0	438.9	387.6	13.4
SMDH 00210b	813840.16	8193509.14	165.79	3.0	4.0	85.0	5335.9	2.8	11.8	1808.3	46.6	1458.4	75.9	218.5	139.1	226.1	244.9	2.3	7.8	1.3	419.7	450.3	410.8	8.9
SMDH 00210b	813840.16	8193509.14	165.79	4.0	5.0	90.0	5961.9	4.1	9.5	2445.3	43.2	903.9	60.9	175.4	111.7	181.6	196.6	3.7	4.4	1.0	398.6	429.4	392.5	6.1
SMDH 00210b	813840.16	8193509.14	165.79	5.0	6.0	80.0	6820.9	4.4	14.8	2208.1	56.2	1300.9	89.4	257.5	163.9	266.5	288.5	3.9	9.2	1.3	511.0	548.5	499.6	11.4
SMDH 00210b	813840.16	8193509.14	165.79	6.0	7.0	50.0	5457.3	3.3	13.1	1647.6	49.1	978.4	85.9	247.5	157.5	256.1	277.3	2.9	8.6	1.3	430.0	462.5	419.6	10.4
SMDH 00210b	813840.16	8193509.14	165.79	7.0	8.0	95.0	6006.2	3.3	16.5	1580.3	74.7	1176.1	101.9	293.5	186.8	303.8	329.0	2.9	11.9	1.3	649.9	698.0	631.1	18.8
SMDH 00210b	813840.16	8193509.14	165.79	8.0	9.0	95.0	6091.1	3.5	17.3	1422.5	63.8	1252.2	112.8	324.8	206.7	336.1	364.0	3.1	12.5	1.3	526.8	566.8	509.8	17.0
SMDH 00210b	813840.16	8193509.14	165.79	9.0	10.0	80.0	6191.6	3.1	14.9	2305.1	46.7	642.5	89.4	257.4	163.9	266.4	288.5	2.7	10.5	1.3	1103.8	1131.6	1090.6	13.2
SMDH 00210b	813840.16	8193509.14	165.79	10.0	11.0	90.0	5210.9	2.9	15.9	1154.4	31.1	810.0	99.0	285.2	181.5	295.1	319.6	2.6	11.6	1.4	461.0	480.4	452.4	8.7
SMDH 00210b	813840.16	8193509.14	165.79	11.0	12.0	95.0	5577.7	3.1	15.8	1415.9	39.3	949.6	96.5	277.9	176.9	287.6	311.4	2.8	11.4	1.3	470.8	495.2	460.2	10.6
SMDH 00210b	813840.16	8193509.14	165.79	12.0	13.0	95.0	4841.6	2.5	13.1	1378.1	41.5	758.8	84.1	242.1	154.1	250.6	271.3	2.2	9.2	1.4	514.1	540.6	503.6	10.5
SMDH 00210b	813840.16	8193509.14	165.79	13.0	14.0	95.0	5102.0	2.8	14.0	1402.8	46.8	806.1	82.7	238.1	151.6	246.5	266.9	2.4	9.9	1.3	416.5	446.6	403.6	12.9
SMDH 00211	813774.19	8193503.90	167.05	0.0	1.0	20.0	6782.4	3.4	25.1	1076.7	72.0	809.3	48.4	139.4	88.7	144.2	156.2	3.1	19.9	1.9	603.6	650.9	585.1	18.5
SMDH 00211	813774.19	8193503.90	167.05	1.0	2.0	50.0	4100.5	2.0	13.8	749.0	55.1	628.9	77.0	221.7	141.1	229.5	248.5	1.7	10.1	1.7	330.6	367.4	317.0	13.6
SMDH 00211	813774.19	8193503.90	167.05	2.0	3.0	70.0	4345.9	2.2	13.6	901.3	82.7	605.0	91.9	264.8	168.6	274.0	296.8	2.0	9.8	1.5	393.6	450.2	373.1	20.5
SMDH 00211	813774.19	8193503.90	167.05	3.0	4.0	50.0	4656.0	2.7	15.1	805.4	50.4	667.1	84.7	243.8	155.2	252.3	273.2	2.5	10.9	1.4	169.1	202.9	156.2	12.9
SMDH 00211	813774.19	8193503.90	167.05	4.0	5.0	90.0	4145.5	2.4	13.1	779.3	53.4	480.8	71.1	204.9	130.4	212.0	229.6	2.2	9.3	1.4	189.1	225.1	175.5	13.6
SMDH 00211	813774.19	8193503.90	167.05	5.0	6.0	90.0	5207.5	2.8	13.3	1711.0	68.9	451.8	69.7	200.8	127.8	207.8	225.0	2.5	9.2	1.3	585.4	629.6	566.0	19.4
SMDH 00211	813774.19	8193503.90	167.05	6.0	7.0	95.0	5055.6	3.0	14.4	1197.2	76.7	649.0	64.7	186.4	118.6	192.9	208.9	2.8	9.9	1.4	144.1	192.9	121.9	22.2
SMDH 00211	813774.19	8193503.90	167.05	7.0	8.0	85.0	5863.9	3.6	18.4	1132.3	79.8	733.9	69.7	200.8	127.8	207.8	225.0	3.3	13.5	1.4	119.6	170.7	96.8	22.8
SMDH 00211	813774.19	8193503.90	167.05	8.0	9.0	95.0	4846.1	2.8	12.3	1423.8	42.9	771.5	74.7	215.3	137.0	222.8	241.2	2.5	8.2	1.3	313.1	340.3	301.9	11.2
SMDH 00211	813774.19	8193503.90	167.05	9.0	10.0	95.0	4795.4	2.7	14.1	1139.9	40.4	646.9	90.4	260.3	165.7	269.3	291.7	2.4	10.0	1.4	374.6	399.2	362.9	11.7
SMDH 00211	813774.19	8193503.90	167.05	10.0	11.0	80.0	4177.4	2.4	11.2	1110.2	26.9	622.3	71.3	205.5	130.8	212.6	230.3	2.2	7.4	1.4	228.2	245.0	221.8	6.4
SMDH 00211b	813718.77	8193504.85	167.54	0.0	1.0	75.0	4336.4	2.0	15.1	719.2	39.7	671.0	100.3	288.8	183.8	298.9	323.7	1.8	11.1	1.9	345.1	369.9	333.9	11.2
SMDH 00211b	813718.77	8193504.85	167.54	1.0	2.0	50.0	4255.9	2.1	11.9	1166.0	61.3	670.0	81.4	234.5	149.3	242.7	262.8	1.8	8.4	1.3	482.1	523.1	467.8	14.3
SMDH 00211b	813718.77	8193504.85	167.54	2.0	3.0	70.0	4100.5	2.1	12.1	965.5	42.2	739.4	74.4	214.4	136.5	221.9	240.3	1.9	8.7	1.3	314.3	341.8	304.1	10.2
SMDH 00211b	813718.77	8193504.85	167.54	3.0	4.0	75.0	4847.5	2.7	12.9	1349.5	34.2	797.9	91.4	263.4	167.7	272.6	295.2	2.4	8.8	1.3	367.5	390.4	360.6	6.9
SMDH 00211b	813718.77	8193504.85	167.54	4.0	5.0	65.0	6133.2	3.6	15.5	1919.1	58.2	682.2	87.4	251.9	160.3	260.6	282.3	3.2	10.7	1.1	396.3	435.1	382.6	13.7
SMDH 00211b	813718.77	8193504.85	167.54	5.0	6.0	95.0	4603.7	2.6	12.3	1288.9	43.7	619.7	80.4	231.7	147.5	239.8	259.7	2.3	8.5	1.2	377.4	405.5	366.5	10.9
SMDH 00211b	813718.77	8193504.85	167.54	6.0	7.0	90.0	4304.4	2.3	12.2	1080.8	35.6	744.1	78.2	225.3	143.4	233.2	252.5	2.0	8.7	1.2	336.7	360.2	328.5	8.2
SMDH 00211b	813718.77	8193504.85	167.54	7.0	8.0	90.0	3834.4	2.0	10.4	1025.3	38.4	694.2	71.2	205.2	130.6	212.3	229.9	1.8	7.1	1.3	310.0	335.1	301.1	9.0
SMDH 00211b	813718.77	8193504.85	167.54	8.0	9.0	98.0	5033.4	2.9	14.0	1403.9	42.9	533.0	75.0	216.1	137.6	223.6	242.2	2.6	9.9	1.2	334.9	362.8	324.7	10.2
SMDH 00211b	813718.77	8193504.85	167.54	9.0	10.0	96.0	4118.7	2.1	10.4	1300.5	72.0	667.7	68.6	197.5	125.7	204.4	221.3	1.8	7.3	1.1	492.3	534.6	468.3	24.1
SMDH 00211b	813718.77	8193504.85	167.54	10.0	11.0	70.0	4169.2	2.1	11.2	1224.5	52.4	806.5	62.6	180.2	114.7	186.4	201.9	1.8	8.0	1.1	479.9	510.4	463.0	16.8
SMDH 00211b	813718.77	8193504.85	167.54	11.0	12.0	85.0	4826.6	2.6	12.0	1609.1	62.1	456.3	80.8	232.6	148.1	240.8	260.7	2.3	8.2	1.1	493.2	530.2	473.2	20.0
SMDH 00211b	813718.77	8193504.85	167.54	12.0	13.0	95.0	5445.3	2.8	15.5	1487.7	81.6	737.7	97.8	281.6	179.2	291.4	315.6	2.4	11.4	1.3	621.7	671.1	596.1	25.6
SMDH 00211b	813718.77	8193504.85	167.54	13.0	14.0	95.0	5051.1	2.6	14.2	1398.7	80.4	732.0	99.4	286.3	182.3	296.3	320.9	2.2	10.4	1.3	640.7	690.3	617.3	23.5
SMDH 00211b	813718.77	8193504.85	167.54	14.0	15.0	96.0	5978.2	3.1	17.5	1516.4	84.2	1026.6	111.6	321.5	204.7	332.8	360.3	2.7	13.1	1.3	689.9	739.9	662.1	27.8
SMDH 00211b	813718.77	8193504.85	167.54	15.0	16.0	95.0	5162.7	2.6	13.9	1527.3	65.9	854.0	96.5	278.0	176.9	287.7	311.5	2.2	10.0	1.3	695.0	733.2	673.1	21.9
SMDH 00211b	813718.77	8193504.85	167.54	16.0	17.0	90.0	4237.3	2.3	11.7	1140.2	34.2	696.6	67.2	193.6	123.3	200.4	217.0	2.0	8.1	1.3	439.7	461.3	431.7	8.0
SMDH 00211b	813718.77	8193504.85	167.54	17.0	17.5	85.0	4255.9	2.2	11.4	1194.8	39.4	798.6	64.9	186.8	118.9	193.4	209.4	1.9	7.9	1.3	479.9	505.0	469.4	10.4
SMDH 00212	813660.12	8193504.00	167.53	0.0	1.0	65.0	5069.4	2.1	13.8	1524.6	121.9	950.4	84.0	242.0	154.1	250.5	271.3	1.8	10.1	1.7	827.7	902.0	789.3	38.4
SMDH 00212	813660.12	8193504.00	167.53	1.0	2.0	75.0	5186.4	2.7	15.1	1302.9	71.7	802.1	87.5	252.0	160.4	260.8	282.4	2.4	11.0	1.5	537.0	581.6	516.0	20.9
SMDH 00212	813660.12	8193504.00	167.53	2.0	3.0	70.0	5565.1	2.9	16.5	1375.3	67.0	763.7	94.8	273.1	173.8	282.6	306.0	2.6	12.1	1.5	606.7	647.0	585.6	21.2
SMDH 00212	813660.12	8193504.00	167.53	3.0	4.0	75.0	5646.1	3.0	16.5	1467.6	61.8	791.6	87.5	252.0	160.4	260.8	282.4	2.6	12.1	1.5	622.0	660.0	604.0	18.0
SMDH 00212	813660.12	8193504.00	167.53	4.0	5.0	90.0	6020.4	3.3	18.4	1406.7	69.6	725.0	100.8	290.5	184.9	300.6	325.5	3.0	13.6	1.4	606.4	648.0	583.1	23.3
SMDH 00212	813660.12	8193504.00	167.53	5.0	6.0	90.0	5290.5	2.8	13.9	1514.8	116.0	854.1	99.8	287.4	182.9	297.4	322.1	2.4	9.8	1.3	530.6	616.4	510.1	20.5
SMDH 00212	813660.12	8193504.00	167.53	6.0	7.0	95.0	5422.9	2.8	14.7	1546.6	116.4	804.6	83.4	240.2	152.9	248.6	269.2	2.4	10.7	1.3	461.0	546.8	440.4	20.6
SMDH 00212	813660.12	8193504.00	167.53	7.0	8.0	98.0	6193.3	3.2	19.2	1373.1	154.6	824.3	102.7	295.8	188.3	306.1	331.5	2.9	14.6	1.4	545.9	648.3	503.7	42.3
SMDH 00212	813660.12	8193504.00	167.53	8.0	9.0	98.0	5864.1	3.0	16.5	1521.8	180.2	946.8	81.6	235.1	149.6	243.3	263.4	2.7	12.2	1.2	544.4	664.2	495.4	49.0
SMDH 00212b	813598.87	8193511.31	167.18	0.0	1.0	40.0	4900.9	2.3	14.4	1181.7	69.4	1146.4	90.4	260.3	165.7	269.3	291.7	1.9	10.7	1.4	601.6	646.1	582.0	19.6
SMDH 00212b	813598.87	8193511.31	167.18	1.0	2.0	60.0	9204.7	5.9	15.2	4258.0	71.7	466.8	68.8	198.2	126.2	205.2	222.2	5.3	8.3	1.1	398.9	447.0	380.3	18.5
SMDH 00212b	813598.87	8193511.31	167.18	2.0	3.0	65.0	5724.4	3.2	13.4	1978.0	78.6	637.3	85.6	246.7	157.0	255.3	276.4	2.8	9.0	1.3	497.5	548.7	475.9	21.6
SMDH 00212b	813598.87	8193511.31	167.18	3.0	4.0	65.0	6869.7	4.1	14.5	2584.8	85.6	724.7	96.2	277.0	176.3	286.7	310.5	3.6	9.2	1.2	509.9	566.3	486.7	23.3
SMDH 00212b	813598.87	8193511.31	167.18	4.0	5.0	80.0	6697.7	4.2	15.1	2291.7	58.3	659.6	105.3	303.3	193.1	313.9	339.9	3.8	9.5	1.4	443.5	481.0	427.3	16.2
SMDH 00212b	813598.87	8193511.31	167.18	5.0	6.0	50.0	8764.1	5.4	22.8	2542.7	63.2	973.1	169.2	487.3	310.2	504.4	546.2	4.8	16.0	1.5	546.1	586.4	528.3	17.8
SMDH 00212b	813598.87	8193511.31	167.18	6.0	7.0	70.0	5906.3	3.4	15.0	1800.4	43.8	747.8	105.8	304.7	194.0	315.3	341.5	3.0	10.1	1.5	526.3	553.6	514.2	12.1
SMDH 00212b	813598.87	8193511.31	167.18	7.0	8.0	85.0	4485.1	2.3	11.0	1479.8	31.9	669.2	79.5	229.0	145.8	237.0	256.7	2.0	7.4	1.3	513.0	532.2	503.9	9.1
SMDH 00213	813538.17	8193501.64	166.06	0.0	1.0	30.0	3832.4	1.5	9.0	1364.8	70.5	1125.0	57.0	164.1	104.5	169.9	183.9	1.1	6.5	1.0	754.8	799.8	735.2	19.6
SMDH 00213	813538.17	8193501.64	166.06	1.0	2.0	30.0	5578.7	2.9	17.1	1317.6	60.7	696.7	106.8	307.5	195.8	318.3	344.6	2.5	12.6	1.7	426.8	466.2	410.3	16.5
SMDH 00213	813538.17	8193501.64	166.06	2.0	3.0	40.0	3499.8	1.8	9.8	918.5	55.6	586.9	60.5	174.1	110.8	180.2	195.1	1.6	6.8	1.1	354.4	390.3	339.3	15.0
SMDH 00213	813538.17	8193501.64	166.06	3.0	4.0	45.0	3880.6	2.1	9.1	1322.0	48.8	526.7	53.0	152.7	97.2	158.1	171.2	1.9	6.0	1.0	389.2	420.4	375.8	13.5
SMDH 00213	813538.17	8193501.64	166.06	4.0	5.0	40.0	3379.5	1.8	7.5	1191.4	39.6	552.7	48.8	140.7	89.5	145.6	157.7	1.6	4.7	1.0	330.6	355.7	319.8	10.8
SMDH 00213	813538.17	8193501.64	166.06	5.0	6.0	70.0	4233.8	2.4	9.5	1528.6	41.0	596.2	52.6	151.6	96.5	156.9	169.9	2.1	6.3	0.9	399.9	425.6	388.5	11.3
SMDH 00213	813538.17	8193501.64	166.06	6.0	7.0	75.0	4342.4	2.2	10.5	1399.4	51.6	835.0	78.8	226.9	144.4	234.8	254.3	1.9	7.0	1.2	494.9	527.6	480.5	14.4
SMDH 00213	813538.17	8193501.64	166.06	7.0	8.0	60.0	4102.8	2.1	10.9	1234.4	63.3	572.1	67.5	194.5	123.8	201.3	217.9	1.8	7.6	1.2	458.7	498.2	439.0	19.7
SMDH 00213	813538.17	8193501.64	166.06	8.0	9.0	40.0	3460.2	1.7	8.7	1108.1	45.4	592.7	65.6	189.0	120.3	195.6	211.8	1.4	5.9	1.2	463.7	490.9	449.2	14.5
SMDH 00213	813538.17	8193501.64	166.06	9.0	10.0	70.0	3902.5	1.9	10.5	1137.6	42.4	671.3	67.9	195.6	124.5	202.4	219.2	1.7	7.4	1.2	450.9	476.1	436.9	14.0
SMDH 00213b	813473.46	8193501.75	164.46	0.0	1.0	50.0	6678.8	3.4	24.6	976.4	76.3	869.9	55.4	159.6	101.6	165.2	178.9	3.1	19.1	2.2	556.9	605.9	536.0	20.9
SMDH 00213b	813473.46	8193501.75	164.46	1.0	2.0	45.0	3908.2	1.8	10.3	1188.0	77.5	777.1	70.8	203.8	129.7	210.9	228.4	1.5	7.3	1.2	579.3	628.0	554.9	24.3
SMDH 00213b	813473.46	8193501.75	164.46	2.0	3.0	80.0	3578.4	1.6	8.6	1255.6	89.7	696.9	57.4	165.4	105.3	171.2	185.3	1.3	6.1	0.9	613.1	669.9	585.5	27.6
SMDH 00213b	813473.46	8193501.75	164.46	3.0	4.0	40.0	4828.0	2.4	15.5	1055.8	92.3	677.1	86.6	249.3	158.7	258.0	279.4	2.1	12.0	1.1	489.1	550.3	465.1	24.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00213b	813473.46	8193501.75	164.46	4.0	5.0	35.0	4854.1	2.4	15.1	1116.8	79.1	763.4	89.2	256.9	163.5	265.8	287.9	2.1	11.5	1.2	504.6	558.4	485.4	19.2
SMDH 00213b	813473.46	8193501.75	164.46	5.0	6.0	50.0	6016.5	2.8	18.3	1648.8	111.3	640.2	90.3	260.2	165.6	269.3	291.6	2.5	14.3	1.2	886.5	960.9	858.4	28.2
SMDH 00213b	813473.46	8193501.75	164.46	6.0	7.0	65.0	4682.5	2.4	14.8	1004.0	80.8	771.8	87.4	251.9	160.3	260.6	282.3	2.1	11.3	1.1	432.8	488.4	414.8	18.0
SMDH 00213b	813473.46	8193501.75	164.46	7.0	8.0	55.0	9164.4	3.5	20.7	4160.9	74.2	992.7	124.3	357.9	227.8	370.4	401.1	2.8	15.7	1.5	505.9	549.6	490.1	15.8
SMDH 00213b	813473.46	8193501.75	164.46	8.0	9.0	55.0	6159.4	2.7	17.1	1996.0	78.4	826.3	100.9	290.6	185.0	300.7	325.6	2.3	13.2	1.2	1166.3	1215.4	1144.4	21.9
SMDH 00213b	813473.46	8193501.75	164.46	9.0	10.0	55.0	4552.9	2.3	14.0	1145.4	73.7	537.0	70.2	202.1	128.7	209.2	226.5	2.0	10.7	1.0	540.3	586.9	519.3	21.0
SMDH 00213b	813473.46	8193501.75	164.46	10.0	11.0	20.0	6095.8	3.2	19.2	1244.3	59.4	815.0	46.3	133.5	85.0	138.1	149.6	2.9	13.0	3.0	451.6	490.4	436.2	15.4
SMDH 00213b	813473.46	8193501.75	164.46	11.0	12.0	60.0	4594.9	2.3	14.6	949.4	54.8	837.0	73.9	212.8	135.4	220.2	238.5	2.1	10.9	1.4	361.5	396.1	346.4	15.1
SMDH 00213b	813473.46	8193501.75	164.46	12.0	13.0	75.0	6095.1	3.2	20.3	1231.8	75.3	580.1	118.8	342.1	217.7	354.0	383.3	2.8	15.5	1.7	519.4	568.2	499.2	20.2
SMDH 00214	813412.78	8193504.43	162.99	0.0	1.0	40.0	4299.4	2.0	12.6	1208.0	76.2	613.9	68.9	198.4	126.3	205.4	222.4	1.7	9.5	1.0	613.2	662.0	592.4	20.8
SMDH 00214	813412.78	8193504.43	162.99	1.0	2.0	45.0	5175.7	2.7	16.7	1134.2	53.9	616.3	90.9	261.7	166.6	270.9	293.3	2.4	12.5	1.5	495.7	529.7	481.1	14.5
SMDH 00214	813412.78	8193504.43	162.99	2.0	3.0	50.0	4936.1	2.5	15.9	1126.1	63.7	517.8	76.7	220.8	140.5	228.5	247.4	2.3	12.1	1.2	486.3	526.4	468.6	17.7
SMDH 00214	813412.78	8193504.43	162.99	3.0	4.0	70.0	4872.3	2.5	15.5	1118.8	70.3	524.7	79.1	227.7	144.9	235.6	255.2	2.2	11.7	1.4	457.6	502.1	437.9	19.7
SMDH 00214	813412.78	8193504.43	162.99	4.0	5.0	45.0	4735.7	2.4	15.0	1061.3	78.2	551.8	82.7	238.3	151.7	246.6	267.1	2.2	11.2	1.3	424.4	474.4	402.8	21.6
SMDH 00214	813412.78	8193504.43	162.99	5.0	6.0	60.0	4798.4	2.5	15.0	1082.5	65.4	701.7	88.8	255.8	162.8	264.7	286.7	2.2	11.4	1.2	453.5	496.1	436.8	16.7
SMDH 00214	813412.78	8193504.43	162.99	6.0	7.0	60.0	4338.9	2.2	13.7	976.3	74.3	559.2	77.0	221.9	141.2	229.6	248.7	2.0	10.5	1.0	410.3	457.2	389.7	20.6
SMDH 00214	813412.78	8193504.43	162.99	7.0	8.0	75.0	4591.6	2.4	14.7	1002.8	75.3	582.4	75.2	216.7	137.9	224.3	242.8	2.1	11.2	1.1	424.0	473.0	404.4	19.6
SMDH 00214b	813356.95	8193507.19	162.40	0.0	1.0	50.0	3130.5	1.4	8.4	901.8	74.0	720.4	57.5	165.5	105.3	171.3	185.5	1.2	6.4	0.7	421.3	472.6	406.0	15.3
SMDH 00214b	813356.95	8193507.19	162.40	1.0	2.0	45.0	4740.0	2.1	13.2	1437.2	76.7	845.2	84.7	243.8	155.2	252.3	273.2	1.8	10.1	0.9	751.6	801.3	732.4	19.2
SMDH 00214b	813356.95	8193507.19	162.40	2.0	3.0	45.0	5115.0	2.5	13.7	1653.2	74.5	666.7	80.1	230.8	146.9	238.8	258.6	2.1	10.3	1.0	802.3	848.5	782.0	20.3
SMDH 00214b	813356.95	8193507.19	162.40	3.0	4.0	60.0	3917.7	1.9	10.9	1155.3	89.1	468.4	55.7	160.3	102.0	165.9	179.6	1.7	8.1	0.9	525.4	581.3	498.7	26.7
SMDH 00214b	813356.95	8193507.19	162.40	4.0	5.0	85.0	5379.9	2.9	18.0	1042.4	87.0	584.6	98.3	283.0	180.1	292.9	317.2	2.6	13.9	1.2	444.7	501.1	421.2	23.5
SMDH 00214b	813356.95	8193507.19	162.40	5.0	6.0	70.0	5897.8	3.1	19.9	1144.3	101.6	599.3	111.3	320.7	204.1	331.9	359.4	2.7	15.2	1.6	529.9	590.8	487.9	42.1
SMDH 00214b	813356.95	8193507.19	162.40	6.0	7.0	90.0	6185.9	3.4	22.2	976.2	111.3	486.6	103.4	297.8	189.6	308.2	333.7	3.1	17.5	1.3	428.4	497.7	384.7	43.7
SMDH 00214b	813356.95	8193507.19	162.40	7.0	8.0	98.0	5517.4	3.0	19.5	918.2	77.1	580.8	93.9	270.4	172.1	279.9	303.1	2.7	15.3	1.2	392.6	438.9	362.3	30.3
SMDH 00215	813296.93	8193499.78	162.76	0.0	1.0	40.0	4620.4	2.1	15.5	930.6	30.3	513.1	69.0	198.8	126.5	205.7	222.8	1.9	11.1	2.3	404.1	421.0	391.5	12.6
SMDH 00215	813296.93	8193499.78	162.76	1.0	2.0	45.0	4501.8	2.2	13.7	1212.7	34.5	477.1	67.2	193.6	123.2	200.3	216.9	2.0	10.4	1.2	643.7	662.2	625.9	17.8
SMDH 00215	813296.93	8193499.78	162.76	2.0	3.0	45.0	2765.1	1.5	9.4	532.2	17.1	218.4	46.7	134.5	85.6	139.2	150.7	1.3	7.0	1.0	165.0	174.6	158.5	6.5
SMDH 00215	813296.93	8193499.78	162.76	3.0	4.0	75.0	4364.7	2.4	14.7	853.2	33.3	375.2	81.3	234.2	149.1	242.4	262.4	2.1	11.2	1.2	320.0	339.2	305.7	14.3
SMDH 00215	813296.93	8193499.78	162.76	4.0	5.0	90.0	4971.7	2.6	16.4	1049.6	49.2	520.5	91.1	262.4	167.0	271.5	294.0	2.3	12.5	1.3	437.5	469.8	425.5	11.9
SMDH 00215	813296.93	8193499.78	162.76	5.0	6.0	75.0	4418.6	2.3	14.9	881.0	48.2	374.6	76.7	220.9	140.6	228.6	247.5	2.1	11.2	1.4	351.8	384.6	341.1	10.7
SMDH 00215	813296.93	8193499.78	162.76	6.0	7.0	90.0	5619.8	3.0	19.9	982.6	73.8	490.0	98.6	283.9	180.7	293.8	318.2	2.7	15.6	1.3	452.2	501.7	434.9	17.4
SMDH 00215	813296.93	8193499.78	162.76	7.0	8.0	85.0	4644.8	2.6	16.3	749.3	42.7	471.2	91.3	263.1	167.5	272.3	294.8	2.3	12.4	1.3	275.2	305.3	267.3	7.9
SMDH 00215b	813235.30	8193500.35	162.81	0.0	1.0	45.0	3782.4	1.7	11.0	1079.5	69.1	657.8	53.5	154.2	98.1	159.5	172.8	1.5	8.6	0.7	543.6	591.7	529.0	14.6
SMDH 00215b	813235.30	8193500.35	162.81	1.0	2.0	40.0	4476.0	2.2	14.2	1048.2	54.3	593.8	65.9	189.7	120.8	196.4	212.6	2.0	10.8	1.2	435.9	473.7	425.1	10.9
SMDH 00215b	813235.30	8193500.35	162.81	2.0	3.0	50.0	4182.3	2.2	12.9	991.0	31.8	517.7	59.5	171.2	109.0	177.2	191.9	2.0	9.6	1.1	337.9	360.1	332.6	5.3
SMDH 00215b	813235.30	8193500.35	162.81	3.0	4.0	50.0	2676.3	1.5	8.5	506.2	7.7	519.7	41.1	118.5	75.4	122.6	132.8	1.4	6.1	0.8	65.4	69.7	63.6	1.9
SMDH 00215b	813235.30	8193500.35	162.81	4.0	5.0	60.0	4056.4	1.8	9.4	1749.0	23.4	326.2	49.8	143.3	91.2	148.3	160.6	1.5	7.0	0.7	955.6	968.2	949.3	6.3
SMDH 00215b	813235.30	8193500.35	162.81	5.0	6.0	45.0	1529.5	0.5	2.4	803.3	36.1	488.5	11.4	32.8	20.9	33.9	36.8	0.3	1.7	0.1	481.9	504.0	472.5	9.5
SMDH 00215b	813235.30	8193500.35	162.81	6.0	7.0	90.0	3795.2	2.0	12.6	753.0	23.7	594.9	57.5	165.6	105.4	171.3	185.5	1.8	9.8	0.8	298.3	312.4	292.3	5.9
SMDH 00215b	813235.30	8193500.35	162.81	7.0	8.0	85.0	3905.4	2.0	13.1	821.9	36.0	458.4	53.8	155.0	98.7	160.4	173.7	1.8	10.2	0.9	403.2	425.3	394.0	9.2
SMDH 00216	813177.84	8193504.37	162.93	0.0	1.0	30.0	2488.2	1.1	6.8	728.8	34.0	653.6	27.9	80.4	51.2	83.2	90.1	1.0	5.1	0.5	321.2	341.6	312.1	9.1
SMDH 00216	813177.84	8193504.37	162.93	1.0	2.0	45.0	2919.9	1.2	6.8	1152.8	45.8	631.6	26.6	76.7	48.8	79.4	86.0	1.0	5.1	0.5	598.2	625.4	585.5	12.7
SMDH 00216	813177.84	8193504.37	162.93	2.0	3.0	40.0	3894.0	1.6	10.2	1529.0	60.7	403.2	21.7	62.4	39.7	64.6	69.9	1.4	8.1	0.4	849.6	886.6	833.2	16.4
SMDH 00216	813177.84	8193504.37	162.93	3.0	4.0	75.0	4097.9	2.1	13.4	922.0	47.5	383.5	67.2	193.6	123.3	200.4	217.0	1.9	10.3	1.1	449.0	479.4	437.3	11.7
SMDH 00216	813177.84	8193504.37	162.93	4.0	5.0	40.0	7070.0	4.4	20.2	1696.3	30.7	621.3	34.4	99.0	63.0	102.5	111.0	4.1	12.9	2.9	290.2	308.9	281.7	8.5
SMDH 00216	813177.84	8193504.37	162.93	5.0	6.0	85.0	3706.8	2.1	11.1	859.8	37.2	588.4	56.4	162.5	103.4	168.2	182.1	1.9	8.2	0.8	320.7	343.1	309.6	11.1
SMDH 00216	813177.84	8193504.37	162.93	6.0	7.0	50.0	3741.0	2.0	11.7	755.6	23.6	706.5	66.3	191.1	121.6	197.8	214.2	1.8	8.5	1.1	260.7	274.5	253.8	6.9
SMDH 00216	813177.84	8193504.37	162.93	7.0	8.0	95.0	2994.9	1.5	8.9	700.2	28.6	654.6	45.0	129.7	82.5	134.2	145.3	1.4	6.7	0.7	292.1	309.4	283.8	8.3
SMDH 00216	813177.84	8193504.37	162.93	8.0	9.0	95.0	3843.2	2.1	12.4	768.1	25.1	585.6	67.5	194.3	123.7	201.1	217.7	1.9	9.3	1.0	293.9	308.6	286.4	7.5
SMDH 00216	813177.84	8193504.37	162.93	9.0	10.0	98.0	4380.7	2.4	14.5	768.2	23.6	875.4	77.7	223.9	142.5	231.7	250.9	2.1	10.9	1.2	289.8	303.5	283.1	6.7
SMDH 00216	813177.84	8193504.37	162.93	10.0	11.0	90.0	4872.8	2.7	15.9	823.2	28.6	1093.1	93.2	268.3	170.8	277.7	300.7	2.3	11.9	1.4	312.1	329.0	303.5	8.6
SMDH 00216	813177.84	8193504.37	162.93	11.0	12.0	90.0	4817.0	2.6	15.9	812.5	30.7	1061.7	81.3	234.1	149.0	242.2	262.3	2.3	12.1	1.3	312.2	330.9	303.4	8.8
SMDH 00216	813177.84	8193504.37	162.93	12.0	13.0	90.0	5288.2	3.0	19.5	732.3	21.4	378.8	109.2	314.4	200.1	325.4	352.3	2.8	14.9	1.5	251.8	264.3	246.4	5.4
SMDH 00216	813177.84	8193504.37	162.93	13.0	14.0	80.0	5541.0	3.0	19.5	1003.3	33.6	414.4	92.5	266.5	169.7	275.8	298.7	2.7	14.9	1.6	422.0	441.9	412.9	9.1
SMDH 00216b	813117.01	8193509.40	163.47	0.0	1.0	30.0	5449.4	2.7	21.0	705.7	30.7	458.4	38.7	111.6	71.0	115.5	125.1	2.5	15.7	2.6	325.5	344.4	316.9	8.6
SMDH 00216b	813117.01	8193509.40	163.47	1.0	2.0	30.0	4269.3	2.7	14.9	683.6	20.8	175.9	64.1	184.6	117.5	191.0	206.9	2.6	11.2	1.0	106.8	119.5	101.5	5.3
SMDH 00216b	813117.01	8193509.40	163.47	2.0	3.0	70.0	5718.7	4.5	17.8	954.1	18.8	156.6	55.8	160.7	102.3	166.3	180.0	4.4	12.5	0.8	38.2	49.5	33.9	4.3
SMDH 00216b	813117.01	8193509.40	163.47	3.0	4.0	50.0	5485.9	3.5	15.7	949.7	17.5	1595.0	81.1	233.5	148.7	241.7	261.7	3.2	10.8	1.4	185.5	195.1	181.2	4.3
SMDH 00216b	813117.01	8193509.40	163.47	4.0	5.0	50.0	4306.0	2.7	12.4	759.1	17.4	1395.5	64.8	186.7	118.9	193.2	209.3	2.4	8.7	1.0	169.9	179.8	165.5	4.3
SMDH 00216b	813117.01	8193509.40	163.47	5.0	6.0	85.0	4997.6	3.5	12.8	1051.3	17.4	1257.3	66.7	192.0	122.2	198.7	215.2	3.2	8.1	1.2	195.9	205.7	191.7	4.2
SMDH 00216b	813117.01	8193509.40	163.47	6.0	7.0	55.0	4483.0	2.4	16.7	709.8	45.1	102.4	46.1	132.7	84.5	137.3	148.7	2.2	12.6	1.7	318.5	348.5	307.6	10.9
SMDH 00216b	813117.01	8193509.40	163.47	7.0	8.0	65.0	5916.6	3.6	20.0	844.5	35.5	1096.2	100.7	290.2	184.7	300.3	325.2	3.3	15.0	1.4	213.5	235.4	203.3	10.2
SMDH 00216b	813117.01	8193509.40	163.47	8.0	9.0	90.0	4399.5	2.2	13.1	762.8	43.3	1792.6	73.8	212.4	135.2	219.8	238.1	1.9	9.8	1.1	272.4	300.2	260.9	11.5
SMDH 00216b	813117.01	8193509.40	163.47	9.0	10.0	70.0	6272.4	3.3	21.0	887.0	34.8	1727.4	114.2	328.8	209.3	340.3	368.5	2.9	15.7	2.0	277.3	298.6	267.4	9.9
SMDH 00216b	813117.01	8193509.40	163.47	10.0	11.0	90.0	4893.9	2.6	16.7	690.4	44.7	1192.4	104.6	301.2	191.7	311.7	337.6	2.3	12.7	1.4	215.1	243.3	202.4	12.7
SMDH 00216b	813117.01	8193509.40	163.47	11.0	12.0	85.0	5973.1	3.5	14.6	1839.2	41.5	1188.0	71.2	205.0	130.5	212.1	229.7	3.1	10.2	0.9	249.7	276.0	237.8	11.9
SMDH 00216b	813117.01	8193509.40	163.47	12.0	13.0	95.0	5448.7	3.0	16.8	1144.1	62.4	957.8	101.2	291.3	185.5	301.5	326.5	2.6	12.5	1.4	291.6	330.8	273.2	18.4
SMDH 00216b	813117.01	8193509.40	163.47	13.0	14.0	85.0	5240.5	2.8	16.0	1120.7	44.7	1081.1	76.4	220.1	140.1	227.7	246.6	2.5	11.8	1.4	291.2	319.5	278.8	12.4
SMDH 00216b	813117.01	8193509.40	163.47	14.0	14.5	80.0	4424.2	2.4	12.5	1186.7	26.0	601.9	86.6	249.4	158.8	258.1	279.5	2.1	9.0	1.1	319.1	334.3	311.1	8.0
SMDH 00217	813064.69	8193506.74	165.60	0.0	1.0	25.0	7527.0	4.3	29.2	751.8	28.0	646.5	54.2	156.0	99.3	161.5	174.9	4.1	22.0	2.9	290.0	307.3	282.1	7.9
SMDH 00217	813064.69	8193506.74	165.60	1.0	2.0	30.0	7185.3	3.8	23.4	1608.9	28.1	742.1	100.7	290.1	184.7	300.2	325.1	3.5	17.7	1.8	770.1	785.8	762.0	8.1
SMDH 00217	813064.69	8193506.74	165.60	2.0	3.0	20.0	6138.6	3.5	18.8	1345.3	46.5	597.1	57.4	165.4	105.3	171.2	185.3	3.3	12.9	2.4	378.6	408.6	366.5	12.1
SMDH 00217	813064.69	8193506.74	165.60	3.0	4.0	50.0	4053.1	2.2	12.6	844.1	47.8	686.0	48.9	140.9	89.7	145.8	157.9	2.0	9.3	1.1	296.8	327.6	283.9	12.9
SMDH 00217	813064.69	8193506.74	165.60	4.0	5.0	30.0	5054.7	2.9	16.5	969.9	29.6	695.4	73.5	211.7	134.8	219.1	237.3	2.6	12.4	1.3	329.1	346.7	320.5	8.6
SMDH 00217	813064.69	8193506.74	165.60	5.0	6.0	65.0	4554.8	2.5	14.7	963.2	25.5	487.7	81.4	234.4	149.2	242.5	262.6	2.3	10.9	1.2	376.6	391.2	368.9	7.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00217	813064.69	8193506.74	165.60	6.0	7.0	70.0	4586.7	2.6	15.7	760.8	22.2	647.0	77.8	224.0	142.6	231.8	251.0	2.4	11.9	1.1	263.8	276.8	257.1	6.7
SMDH 00217	813064.69	8193506.74	165.60	7.0	8.0	50.0	4446.1	2.7	13.2	1003.5	33.7	592.7	61.4	176.9	112.6	183.1	198.3	2.5	9.6	0.9	246.8	267.9	237.3	9.5
SMDH 00217	813064.69	8193506.74	165.60	8.0	8.5	80.0	4336.1	2.5	14.6	742.9	26.1	592.0	48.7	140.3	89.3	145.2	157.2	2.3	11.0	1.1	201.5	217.8	194.4	7.1
SMDH 00217b	813001.09	8193506.16	166.32	0.0	1.0	40.0	4028.2	1.9	13.1	873.1	34.9	626.3	66.4	191.2	121.7	197.8	214.2	1.7	9.9	1.4	435.7	456.6	425.5	10.2
SMDH 00217b	813001.09	8193506.16	166.32	1.0	2.0	50.0	6986.3	4.1	11.7	3379.6	22.2	399.6	46.4	133.8	85.1	138.4	149.9	3.7	6.7	0.9	629.5	641.8	622.9	6.6
SMDH 00217b	813001.09	8193506.16	166.32	2.0	3.0	75.0	5470.9	3.5	7.4	2817.0	25.3	202.7	20.1	57.8	36.8	59.8	64.8	3.2	3.1	0.8	266.1	281.5	258.8	7.2
SMDH 00217b	813001.09	8193506.16	166.32	3.0	4.0	25.0	10529.0	7.4	13.0	5387.1	19.4	243.3	16.1	46.3	29.5	47.9	51.9	6.8	3.6	2.1	191.2	203.1	186.6	4.6
SMDH 00217b	813001.09	8193506.16	166.32	4.0	5.0	35.0	5618.2	3.8	10.4	2207.8	22.7	257.5	43.0	123.8	78.8	128.2	138.8	3.5	4.5	2.2	155.9	170.0	150.1	5.8
SMDH 00217b	813001.09	8193506.16	166.32	5.0	6.0	50.0	3497.4	1.8	9.3	1156.0	23.7	208.9	29.1	83.7	53.3	86.6	93.8	1.6	6.2	1.2	388.9	402.8	382.0	6.8
SMDH 00217b	813001.09	8193506.16	166.32	6.0	7.0	70.0	5368.1	3.0	14.4	1727.3	44.9	151.2	78.4	225.7	143.7	233.6	252.9	2.7	10.0	1.4	536.4	563.1	523.4	13.0
SMDH 00217b	813001.09	8193506.16	166.32	7.0	7.5	65.0	6132.3	3.7	20.9	1137.6	43.7	126.1	133.6	384.8	244.9	398.2	431.2	3.4	15.7	1.4	292.7	320.0	280.2	12.5
SMDH 00218	812938.40	8193503.80	164.61	0.0	1.0	30.0	4502.0	2.1	15.1	962.3	58.4	640.3	53.6	154.3	98.2	159.7	172.9	1.9	11.9	1.0	478.8	515.1	461.8	16.9
SMDH 00218	812938.40	8193503.80	164.61	1.0	2.0	25.0	7344.3	3.7	27.6	1053.2	183.2	559.0	86.8	250.0	159.2	258.8	280.2	3.4	22.0	2.0	476.1	596.7	424.6	51.6
SMDH 00218	812938.40	8193503.80	164.61	2.0	3.0	60.0	6848.7	3.4	26.2	924.4	144.3	542.7	90.2	259.8	165.4	268.8	291.1	3.2	20.9	1.9	410.4	504.2	369.4	40.9
SMDH 00218	812938.40	8193503.80	164.61	3.0	4.0	50.0	6144.7	2.7	20.2	1523.9	102.9	531.6	90.7	261.1	166.2	270.3	292.7	2.4	15.9	1.6	859.7	924.7	830.4	29.3
SMDH 00218	812938.40	8193503.80	164.61	4.0	5.0	50.0	4913.2	2.5	15.6	1185.3	68.6	422.3	63.9	184.0	117.1	190.4	206.2	2.2	11.8	1.3	410.6	454.9	391.8	18.7
SMDH 00218	812938.40	8193503.80	164.61	5.0	6.0	90.0	2880.4	1.4	8.7	753.6	48.5	309.8	44.1	126.9	80.8	131.3	142.2	1.2	6.3	1.0	301.6	333.0	288.1	13.5
SMDH 00218	812938.40	8193503.80	164.61	6.0	7.0	90.0	7158.0	3.7	22.0	1737.0	63.0	568.3	66.3	191.1	121.6	197.8	214.2	3.4	15.2	3.1	442.3	482.3	424.8	17.4
SMDH 00218	812938.40	8193503.80	164.61	7.0	8.0	50.0	3579.0	1.6	8.4	1463.4	29.6	212.6	34.0	97.9	62.3	101.3	109.7	1.4	5.7	1.1	555.5	572.8	546.9	8.6
SMDH 00218	812938.40	8193503.80	164.61	8.0	9.0	60.0	3685.2	1.7	8.3	1496.1	31.7	311.1	42.7	122.9	78.3	127.2	137.8	1.5	5.5	1.1	505.7	524.8	496.9	8.9
SMDH 00218	812938.40	8193503.80	164.61	9.0	10.0	90.0	4683.9	2.3	14.4	1203.0	63.8	510.3	72.2	208.1	132.4	215.3	233.2	2.1	11.0	1.1	481.0	522.2	463.7	17.3
SMDH 00218	812938.40	8193503.80	164.61	10.0	11.0	80.0	7522.1	4.7	27.6	1124.5	52.1	268.9	123.7	356.2	226.8	368.7	399.2	4.4	22.0	0.9	165.6	199.3	151.1	14.5
SMDH 00218	812938.40	8193503.80	164.61	11.0	12.0	80.0	4266.4	2.1	13.4	1015.0	66.6	569.0	62.3	179.4	114.2	185.7	201.0	1.9	10.1	1.1	441.6	483.8	422.6	19.1
SMDH 00218	812938.40	8193503.80	164.61	12.0	13.0	90.0	3850.1	2.1	11.0	1090.3	46.3	360.7	50.5	145.6	92.7	150.7	163.2	1.9	8.0	0.9	298.3	328.2	285.4	12.9
SMDH 00218	812938.40	8193503.80	164.61	13.0	14.0	90.0	6523.6	3.3	23.7	1137.2	87.1	544.6	86.6	249.5	158.8	258.2	279.6	3.0	18.9	1.5	522.1	577.9	497.1	25.0
SMDH 00218	812938.40	8193503.80	164.61	14.0	15.0	90.0	6581.8	3.9	21.9	1334.4	55.9	364.0	71.2	205.0	130.5	212.1	229.7	3.7	16.6	1.3	240.7	277.4	225.7	15.0
SMDH 00218	812938.40	8193503.80	164.61	15.0	16.0	90.0	5384.4	2.8	16.7	1341.7	75.5	538.3	67.1	193.3	123.0	200.0	216.6	2.5	12.7	1.3	521.4	569.0	499.3	22.1
SMDH 00218	812938.40	8193503.80	164.61	16.0	17.0	90.0	5701.5	2.8	19.8	1094.7	114.3	556.2	66.8	192.5	122.5	199.2	215.7	2.6	15.6	1.4	495.1	568.3	462.0	33.1
SMDH 00218	812938.40	8193503.80	164.61	17.0	17.5	60.0	5299.1	2.6	19.4	850.7	90.6	588.1	78.1	224.9	143.2	232.8	252.0	2.4	15.4	1.3	426.7	485.7	401.8	24.9
SMDH 00218b	812878.81	8193503.68	163.87	0.0	1.0	30.0	4145.6	2.3	13.7	789.7	20.0	374.4	31.8	91.7	58.4	94.9	102.7	2.1	9.5	2.0	157.0	169.2	152.2	4.8
SMDH 00218b	812878.81	8193503.68	163.87	1.0	2.0	45.0	2468.7	1.4	6.9	639.5	11.0	339.9	33.0	95.0	60.5	98.3	106.4	1.2	4.5	1.0	76.1	81.9	72.5	3.6
SMDH 00218b	812878.81	8193503.68	163.87	2.0	3.0	70.0	2614.9	1.5	7.1	737.5	9.9	240.7	25.1	72.3	46.1	74.9	81.1	1.4	4.5	1.1	44.2	49.9	41.5	2.8
SMDH 00218b	812878.81	8193503.68	163.87	3.0	4.0	50.0	3757.8	2.3	7.2	1560.1	13.7	190.1	29.1	83.7	53.3	86.6	93.8	2.1	3.9	1.0	77.9	86.0	74.2	3.8
SMDH 00218b	812878.81	8193503.68	163.87	4.0	5.0	65.0	4880.3	3.0	12.8	1473.6	14.4	335.5	52.9	152.5	97.1	157.8	170.9	2.8	8.7	1.0	95.5	103.9	91.5	4.0
SMDH 00218b	812878.81	8193503.68	163.87	5.0	6.0	65.0	2345.1	1.3	5.8	735.3	9.3	337.2	20.1	57.8	36.8	59.8	64.8	1.2	3.5	1.0	72.7	77.8	70.0	2.7
SMDH 00218b	812878.81	8193503.68	163.87	6.0	7.0	85.0	3352.0	2.0	8.2	1062.6	15.5	450.5	26.9	77.4	49.3	80.1	86.7	1.8	5.2	1.0	71.7	80.9	67.1	4.5
SMDH 00218b	812878.81	8193503.68	163.87	7.0	8.0	90.0	4122.7	2.4	12.2	807.1	17.9	1120.3	61.8	178.0	113.3	184.2	199.5	2.1	8.9	1.0	94.3	105.3	89.6	4.7
SMDH 00218b	812878.81	8193503.68	163.87	8.0	9.0	85.0	5059.8	2.7	12.9	1690.4	17.8	724.3	55.0	158.4	100.8	163.9	177.5	2.4	9.4	0.8	506.3	516.3	501.4	4.9
SMDH 00219	812824.37	8193504.83	163.92	0.0	1.0	40.0	4746.7	2.5	14.0	1163.6	25.2	514.9	37.4	107.8	68.6	111.6	120.8	2.3	9.2	2.3	299.2	315.2	293.3	6.0
SMDH 00219	812824.37	8193504.83	163.92	1.0	2.0	40.0	3185.8	1.5	7.2	1253.7	21.6	293.4	29.6	85.1	54.2	88.1	95.4	1.3	4.5	1.1	406.3	418.7	400.2	6.1
SMDH 00219	812824.37	8193504.83	163.92	2.0	3.0	60.0	2379.7	1.2	5.5	906.5	17.0	198.8	21.5	61.9	39.4	64.0	69.4	1.0	3.4	0.9	243.1	252.7	238.2	4.9
SMDH 00219	812824.37	8193504.83	163.92	3.0	4.0	50.0	3561.4	1.5	7.4	1705.1	24.9	234.0	25.6	73.7	46.9	76.3	82.6	1.3	5.0	0.8	810.1	823.8	802.5	7.6
SMDH 00219	812824.37	8193504.83	163.92	4.0	5.0	50.0	2613.8	1.3	6.4	958.3	18.2	213.1	21.2	61.1	38.9	63.3	68.5	1.2	4.3	0.8	281.2	291.8	276.2	5.0
SMDH 00219	812824.37	8193504.83	163.92	5.0	6.0	60.0	3513.8	1.5	6.6	1770.0	31.1	191.1	23.8	68.4	43.6	70.8	76.7	1.3	4.3	0.8	761.0	778.9	751.9	9.1
SMDH 00219	812824.37	8193504.83	163.92	6.0	7.0	70.0	2137.1	1.1	4.7	854.9	22.5	160.5	16.3	47.0	29.9	48.6	52.7	0.9	2.8	0.8	227.2	240.7	221.3	5.8
SMDH 00219	812824.37	8193504.83	163.92	7.0	7.5	80.0	2845.9	1.5	5.8	1191.1	33.9	188.1	15.5	44.7	28.5	46.3	50.1	1.4	3.5	0.8	238.0	258.8	227.7	10.3
SMDH 00219b	812757.28	8193503.21	163.90	0.0	1.0	45.0	1800.3	0.7	4.8	533.9	33.5	522.6	26.0	74.8	47.6	77.4	83.9	0.6	3.7	0.4	285.2	306.6	276.4	8.8
SMDH 00219b	812757.28	8193503.21	163.90	1.0	2.0	45.0	3134.7	1.5	10.6	660.0	31.9	526.2	33.1	95.3	60.7	98.7	106.8	1.3	8.4	0.7	340.5	360.3	331.6	8.9
SMDH 00219b	812757.28	8193503.21	163.90	2.0	3.0	50.0	3892.1	2.0	12.0	877.2	20.0	727.7	55.9	161.1	102.5	166.7	180.5	1.8	8.9	1.1	340.5	351.7	335.0	5.5
SMDH 00219b	812757.28	8193503.21	163.90	3.0	4.0	55.0	4106.6	2.2	12.5	959.9	23.4	645.4	58.1	167.3	106.5	173.2	187.5	2.0	9.2	1.0	311.6	325.3	304.8	6.8
SMDH 00219b	812757.28	8193503.21	163.90	4.0	5.0	90.0	8315.1	4.3	22.9	2612.8	37.5	864.9	113.8	327.8	208.7	339.3	367.4	3.8	16.9	1.7	1065.2	1085.9	1054.1	11.1
SMDH 00219b	812757.28	8193503.21	163.90	5.0	6.0	90.0	7423.4	3.9	22.6	1720.0	51.3	1435.7	157.3	453.2	288.5	469.0	507.9	3.4	17.5	1.2	732.8	763.0	717.7	15.0
SMDH 00219b	812757.28	8193503.21	163.90	6.0	7.0	90.0	7119.8	3.8	22.2	1432.7	146.2	1542.0	131.9	379.9	241.8	393.1	425.7	3.3	17.3	1.1	568.8	658.2	524.5	44.2
SMDH 00219b	812757.28	8193503.21	163.90	7.0	8.0	85.0	8559.4	4.6	27.7	1383.1	334.9	1889.5	139.7	402.5	256.2	416.5	451.0	4.1	22.0	1.1	582.3	786.8	477.7	104.6
SMDH 00219b	812757.28	8193503.21	163.90	8.0	9.0	85.0	7105.4	3.6	21.4	1578.9	142.8	1585.6	160.5	462.4	294.3	478.5	518.2	3.1	16.7	1.0	681.3	764.8	633.8	47.5
SMDH 00220	812696.39	8193502.37	166.05	0.0	1.0	70.0	9913.2	7.0	30.8	1708.0	75.7	748.4	247.0	711.4	452.8	736.2	797.2	6.5	22.0	1.7	338.9	385.0	315.7	23.3
SMDH 00220	812696.39	8193502.37	166.05	1.0	2.0	45.0	9515.3	7.1	30.7	1478.8	53.8	495.2	134.5	387.4	246.6	401.0	434.2	6.7	22.0	1.5	107.2	142.9	92.9	14.2
SMDH 00220	812696.39	8193502.37	166.05	2.0	3.0	90.0	13606.6	9.6	33.5	4174.8	53.0	601.7	131.2	378.0	240.6	391.2	423.6	9.0	22.0	1.9	95.8	131.0	82.3	13.6
SMDH 00220b	812641.83	8193506.37	164.05	0.0	1.0	50.0	6967.9	3.7	24.8	1046.3	62.4	1045.6	139.3	401.1	255.3	415.1	449.5	3.3	19.2	1.8	517.5	555.7	498.8	18.7
SMDH 00220b	812641.83	8193506.37	164.05	1.0	2.0	55.0	4949.0	2.6	17.6	742.3	36.7	767.3	93.8	270.2	172.0	279.6	302.8	2.4	13.6	1.3	343.3	365.5	332.4	10.9
SMDH 00220b	812641.83	8193506.37	164.05	2.0	3.0	70.0	7380.3	4.3	19.0	2302.7	55.9	784.5	90.9	261.8	166.6	270.9	293.4	3.9	13.3	1.4	433.2	468.0	417.0	16.2
SMDH 00220b	812641.83	8193506.37	164.05	3.0	4.0	85.0	5502.3	3.0	16.7	1277.8	40.9	790.7	88.6	255.2	162.4	264.1	286.0	2.7	12.4	1.3	437.1	462.3	425.4	11.7
SMDH 00220b	812641.83	8193506.37	164.05	4.0	5.0	85.0	6332.8	3.6	21.3	1113.6	79.3	716.0	98.1	282.4	179.8	292.3	316.5	3.3	16.1	1.6	424.4	474.2	401.5	22.9
SMDH 00220b	812641.83	8193506.37	164.05	5.0	6.0	70.0	5869.5	3.2	17.4	1389.6	73.4	1041.0	87.3	251.4	160.1	260.2	281.8	2.8	12.9	1.3	492.6	538.2	470.8	21.8
SMDH 00220b	812641.83	8193506.37	164.05	6.0	7.0	75.0	5764.5	3.2	18.5	1164.6	58.2	791.4	97.6	281.0	178.9	290.8	314.9	2.8	13.8	1.5	401.8	437.4	384.7	17.1
SMDH 00220b	812641.83	8193506.37	164.05	7.0	8.0	75.0	5903.9	3.3	17.9	1396.0	54.9	742.4	89.4	257.5	163.9	266.5	288.6	2.9	13.2	1.4	438.4	472.3	422.5	15.8
SMDH 00220b	812641.83	8193506.37	164.05	8.0	9.0	70.0	6843.2	3.8	22.9	1313.2	57.2	661.7	102.4	295.1	187.8	305.4	330.7	3.5	17.2	1.9	450.7	485.2	433.0	17.7
SMDH 00221	812579.11	8193500.09	159.89	0.0	1.0	35.0	3757.8	1.6	10.3	1024.7	49.1	1225.6	58.2	167.7	106.8	173.6	188.0	1.3	7.8	0.9	580.6	609.7	565.2	15.3
SMDH 00221	812579.11	8193500.09	159.89	1.0	2.0	50.0	6300.2	3.2	18.5	1477.1	60.4	1513.1	98.8	284.6	181.2	294.5	318.9	2.8	13.9	1.4	641.3	677.2	622.8	18.5
SMDH 00221	812579.11	8193500.09	159.89	2.0	3.0	90.0	10407.4	6.9	30.2	2237.1	37.7	1661.7	193.0	555.9	353.9	575.3	623.0	6.2	22.0	1.3	224.2	247.0	212.8	11.4
SMDH 00221	812579.11	8193500.09	159.89	3.0	4.0	90.0	10071.2	7.0	30.5	1895.6	28.8	1108.4	252.4	727.0	462.7	752.3	814.7	6.4	22.0	1.6	321.0	338.4	312.6	8.4
SMDH 00221	812579.11	8193500.09	159.89	4.0	5.0	90.0	9516.4	5.9	29.4	1879.0	32.4	1440.8	219.8	632.9	402.9	655.0	709.3	5.4	22.0	1.4	209.3	229.6	199.6	9.7
SMDH 00221	812579.11	8193500.09	159.89	5.0	6.0	85.0	8827.0	5.4	28.7	1433.4	48.2	1626.7	239.9	691.1	439.9	715.2	774.5	4.8	22.0	1.2	225.6	256.6	211.2	14.3
SMDH 00221	812579.11	8193500.09	159.89	6.0	7.0	95.0	8493.7	5.1	28.5	1308.1	76.7	1366.5	198.3	571.2	363.6	591.1	640.1	4.6	22.0	1.4	224.7	273.0	201.8	22.9
SMDH 00221	812579.11	8193500.09	159.89	7.0	8.0	35.0	5143.7	2.7	15.2	1230.4	51.2	1013.2	108.6	312.8	199.1	323.7	350.5	2.3	11.6	1.0	449.7	482.7	435.6	14.1
SMDH 00221	812579.11	8193500.09	159.89	8.0	9.0	90.0	6663.1	3.8	22.3	1263.8	46.0	781.6	120.6	347.4	221.1	359.5	389.3	3.4	17.2	1.4	391.9	420.6	378.2	13.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00017	812642.29	8193626.26	167.17	0.0	1.0	40.0	3645.5	1.9	11.5	930.8	29.9	195.0	43.9	126.4	80.4	130.8	141.6	1.7	8.6	1.0	316.3	335.1	308.7	7.7
SMDH 00017	812642.29	8193626.26	167.17	1.0	2.0	48.0	3627.4	2.0	10.8	897.7	11.0	198.2	49.4	142.3	90.6	147.3	159.5	1.9	7.3	1.5	117.1	123.2	114.1	3.0
SMDH 00017	812642.29	8193626.26	167.17	2.0	3.0	40.0	2966.8	1.5	7.0	1089.7	11.5	127.8	25.7	74.1	47.2	76.7	83.1	1.4	3.9	1.5	204.3	209.9	200.8	3.4
SMDH 00017	812642.29	8193626.26	167.17	3.0	4.0	70.0	3265.9	1.7	9.4	916.6	14.0	240.2	40.9	117.7	74.9	121.9	132.0	1.5	6.4	1.3	251.6	259.2	247.7	3.9
SMDH 00017	812642.29	8193626.26	167.17	4.0	5.0	65.0	5196.0	3.0	13.0	1640.9	36.4	536.4	63.3	182.3	116.1	188.7	204.4	2.7	8.6	1.4	391.4	412.9	381.0	10.4
SMDH 00017	812642.29	8193626.26	167.17	5.0	6.0	90.0	4789.7	2.7	15.6	972.7	21.1	572.0	76.6	220.6	140.4	228.3	247.2	2.4	11.8	1.1	324.5	336.6	318.4	6.1
SMDH 00017	812642.29	8193626.26	167.17	6.0	7.0	75.0	5504.8	3.2	16.2	1390.1	64.9	526.4	75.7	217.9	138.7	225.5	244.2	2.9	11.9	1.1	385.4	425.9	366.7	18.7
SMDH 00017	812642.29	8193626.26	167.17	7.0	8.0	95.0	6302.0	3.7	20.2	1301.8	60.1	651.8	92.4	266.1	169.4	275.4	298.2	3.4	15.2	1.3	344.9	383.1	328.4	16.6
SMDH 00017	812642.29	8193626.26	167.17	8.0	9.0	80.0	5224.5	3.0	16.2	1183.7	44.2	567.4	75.5	217.4	138.4	225.0	243.6	2.7	12.2	1.1	318.1	345.5	305.0	13.0
SMDH 00017	812642.29	8193626.26	167.17	9.0	10.0	60.0	6728.9	3.7	22.1	1423.9	63.6	584.9	103.6	298.4	189.9	308.8	334.4	3.4	16.9	1.4	548.7	588.5	530.4	18.3
SMDH 00016b	812697.51	8193623.19	165.71	0.0	1.0	35.0	5213.8	2.8	18.7	884.3	48.3	512.4	74.6	214.8	136.7	222.3	240.7	2.5	14.7	1.2	314.6	345.3	300.9	13.7
SMDH 00016b	812697.51	8193623.19	165.71	1.0	2.0	40.0	4986.3	2.8	16.3	992.4	28.9	465.8	91.7	264.0	168.0	273.2	295.8	2.6	12.1	1.4	272.7	290.6	264.9	7.8
SMDH 00016b	812697.51	8193623.19	165.71	2.0	3.0	75.0	3959.7	2.1	11.2	1171.9	16.7	369.0	65.6	188.8	120.2	195.4	211.6	1.8	8.0	1.1	417.3	426.0	412.8	4.5
SMDH 00016b	812697.51	8193623.19	165.71	3.0	4.0	85.0	5104.7	2.7	15.3	1354.7	16.3	427.3	61.0	175.8	111.9	181.9	197.0	2.5	10.9	1.7	428.2	436.5	423.7	4.5
SMDH 00016b	812697.51	8193623.19	165.71	4.0	5.0	65.0	3948.7	2.1	10.1	1329.2	15.0	156.0	35.4	102.0	64.9	105.5	114.3	1.9	6.4	1.6	288.8	296.8	284.9	3.9
SMDH 00016b	812697.51	8193623.19	165.71	5.0	6.0	60.0	6423.9	3.8	19.7	1500.4	38.8	549.9	78.2	225.2	143.4	233.1	252.4	3.5	14.5	1.5	380.0	403.8	369.5	10.6
SMDH 00016b	812697.51	8193623.19	165.71	6.0	7.0	90.0	8549.0	5.0	27.3	1883.9	40.8	640.6	98.4	283.5	180.4	293.4	317.7	4.6	20.3	2.1	516.6	540.7	504.8	11.8
SMDH 00016b	812697.51	8193623.19	165.71	7.0	8.0	90.0	6905.1	3.8	22.6	1424.1	43.5	893.3	80.0	230.4	146.7	238.4	258.2	3.5	17.3	1.5	542.0	567.5	529.1	12.8
SMDH 00016b	812697.51	8193623.19	165.71	8.0	9.0	98.0	6553.1	3.6	22.1	1269.9	37.3	700.7	80.7	232.5	148.0	240.6	260.6	3.3	17.0	1.5	476.1	498.1	465.0	11.1
SMDH 00016b	812697.51	8193623.19	165.71	9.0	10.0	75.0	5361.6	3.1	19.0	817.6	52.3	543.2	69.2	199.2	126.8	206.1	223.2	2.9	14.7	1.2	212.7	247.2	198.3	14.5
SMDH 00016b	812697.51	8193623.19	165.71	10.0	11.0	90.0	5060.4	2.9	16.8	929.4	54.6	516.9	84.0	241.9	154.0	250.3	271.1	2.7	12.7	1.2	258.1	292.7	242.2	15.9
SMDH 00016b	812697.51	8193623.19	165.71	11.0	12.0	85.0	5468.9	3.1	17.5	1158.6	38.7	429.1	75.5	217.4	138.4	225.0	243.6	2.9	12.8	1.6	282.4	306.4	271.3	11.1
SMDH 00016b	812697.51	8193623.19	165.71	12.0	13.0	85.0	4544.1	2.6	14.7	916.6	34.7	519.1	69.1	199.0	126.7	206.0	223.0	2.3	11.0	1.2	293.4	314.5	283.3	10.1
SMDH 00016	812753.65	8193628.93	163.71	0.0	1.0	5.0	3592.8	1.7	12.7	795.0	24.9	351.8	36.3	104.5	66.5	108.2	117.1	1.5	10.4	0.6	469.7	484.3	462.5	7.1
SMDH 00016	812753.65	8193628.93	163.71	1.0	2.0	50.0	4241.4	2.1	12.6	1148.7	41.4	504.4	49.2	141.7	90.2	146.7	158.8	1.8	9.2	1.4	583.7	608.6	571.4	12.3
SMDH 00016	812753.65	8193628.93	163.71	2.0	3.0	40.0	6445.4	4.3	17.4	1670.5	37.0	575.6	69.3	199.6	127.1	206.6	223.7	4.0	11.7	1.3	190.8	215.1	181.9	8.9
SMDH 00016	812753.65	8193628.93	163.71	3.0	4.0	70.0	3776.0	2.2	10.8	909.1	28.6	502.6	48.5	139.6	88.8	144.4	156.4	2.0	7.5	1.1	190.6	208.2	182.6	7.9
SMDH 00016	812753.65	8193628.93	163.71	4.0	5.0	55.0	7079.4	4.0	23.7	1253.9	128.8	962.3	99.7	287.1	182.7	297.1	321.7	3.6	18.4	1.4	355.8	439.3	319.5	36.3
SMDH 00016	812753.65	8193628.93	163.71	5.0	6.0	90.0	8579.0	4.6	27.5	1781.3	128.3	1438.7	179.1	515.8	328.3	533.8	578.0	4.0	21.7	1.2	776.2	856.0	737.5	38.7
SMDH 00016	812753.65	8193628.93	163.71	6.0	7.0	80.0	6963.0	3.7	22.7	1277.4	148.9	1305.0	137.1	394.8	251.3	408.6	442.4	3.3	18.0	1.0	501.8	595.9	457.1	44.7
SMDH 00016	812753.65	8193628.93	163.71	7.0	8.0	55.0	7230.7	3.9	23.5	1341.8	96.2	1519.3	157.9	454.7	289.4	470.6	509.6	3.4	18.6	1.0	554.5	616.6	527.7	26.8
SMDH 00016	812753.65	8193628.93	163.71	8.0	9.0	65.0	6839.5	3.8	21.7	1297.6	146.9	1332.5	122.6	353.0	224.7	365.3	395.6	3.3	17.0	1.0	381.5	477.8	340.3	41.2
SMDH 00015b	812814.24	8193635.84	161.31	0.0	1.0	40.0	5790.7	2.9	18.3	1370.4	66.9	672.1	96.0	276.4	176.0	286.1	309.8	2.6	13.9	1.4	630.3	672.5	611.2	19.1
SMDH 00015b	812814.24	8193635.84	161.31	1.0	2.0	30.0	3827.5	2.0	12.2	922.5	33.8	362.1	56.4	162.4	103.4	168.0	182.0	1.8	9.3	0.9	412.4	432.5	402.2	10.2
SMDH 00015b	812814.24	8193635.84	161.31	2.0	3.0	70.0	4061.1	2.2	12.0	1017.9	45.3	511.9	59.0	169.8	108.1	175.7	190.3	1.9	8.7	1.2	361.6	390.1	349.1	12.4
SMDH 00015b	812814.24	8193635.84	161.31	3.0	4.0	65.0	5885.8	3.4	18.3	1415.7	19.6	570.5	92.5	266.5	169.7	275.8	298.7	3.1	14.2	0.8	279.1	290.0	273.9	5.2
SMDH 00015b	812814.24	8193635.84	161.31	4.0	5.0	45.0	5779.9	3.3	17.9	1397.9	20.5	465.3	108.0	311.1	198.0	321.9	348.6	3.0	13.6	1.0	337.4	348.6	331.4	6.0
SMDH 00015b	812814.24	8193635.84	161.31	5.0	6.0	85.0	5239.6	3.0	15.8	1331.0	49.9	456.4	69.7	200.7	127.7	207.7	224.9	2.7	12.0	0.8	317.5	348.7	303.6	13.9
SMDH 00015b	812814.24	8193635.84	161.31	6.0	7.0	75.0	4750.4	2.5	12.2	1494.7	78.5	685.1	75.3	217.0	138.1	224.6	243.2	2.2	8.9	0.8	438.6	487.6	415.5	23.1
SMDH 00015b	812814.24	8193635.84	161.31	7.0	8.0	70.0	5319.8	3.0	17.4	1059.0	90.4	598.0	66.2	190.6	121.3	197.3	213.6	2.8	13.5	0.8	401.0	458.5	374.9	26.1
SMDH 00015b	812814.24	8193635.84	161.31	8.0	9.0	70.0	5153.6	3.0	16.2	1101.7	75.8	606.3	45.1	129.8	82.6	134.3	145.5	2.8	12.3	0.9	361.6	409.0	338.8	22.7
SMDH 00015b	812814.24	8193635.84	161.31	9.0	10.0	90.0	5850.8	3.5	18.7	1241.1	70.6	564.6	69.2	199.4	126.9	206.4	223.5	3.2	14.3	0.9	403.9	447.1	381.9	22.0
SMDH 00015b	812814.24	8193635.84	161.31	10.0	11.0	80.0	5301.8	3.2	17.3	1036.2	55.1	509.2	92.1	265.3	168.9	274.5	297.3	2.9	13.2	0.9	331.7	364.9	314.5	17.2
SMDH 00015b	812814.24	8193635.84	161.31	11.0	12.0	95.0	5774.2	3.4	18.8	1250.8	58.0	422.2	87.3	251.4	160.0	260.2	281.7	3.1	14.6	0.8	471.0	507.0	454.4	16.6
SMDH 00015b	812814.24	8193635.84	161.31	12.0	13.0	60.0	6374.9	4.1	18.3	1579.3	25.2	730.8	70.5	203.0	129.2	210.1	227.5	3.8	13.5	0.6	367.8	382.3	360.6	7.2
SMDH 00015b	812814.24	8193635.84	161.31	13.0	14.0	50.0	5433.7	3.3	17.5	1083.0	12.7	790.2	44.4	127.8	81.4	132.3	143.3	3.1	13.5	0.7	294.5	300.7	290.6	3.9
SMDH 00015b	812814.24	8193635.84	161.31	14.0	15.0	55.0	7213.8	4.5	16.8	2440.8	11.0	929.7	67.5	194.3	123.7	201.1	217.7	4.1	11.2	1.0	222.3	228.0	219.3	3.0
SMDH 00015	812877.63	8193630.34	160.94	0.0	1.0	25.0	4161.2	2.0	13.4	804.0	39.2	890.7	31.2	90.0	57.3	93.1	100.8	1.8	9.3	2.1	355.0	380.0	344.9	10.1
SMDH 00015	812877.63	8193630.34	160.94	1.0	2.0	65.0	8790.8	5.3	13.5	4489.8	74.4	427.3	33.2	95.6	60.8	98.9	107.1	4.7	7.7	0.4	828.8	873.5	805.9	22.9
SMDH 00015	812877.63	8193630.34	160.94	2.0	3.0	75.0	7906.1	4.9	12.8	3808.7	67.3	487.9	35.1	101.2	64.4	104.7	113.4	4.5	7.5	0.4	498.0	538.8	477.3	20.7
SMDH 00015	812877.63	8193630.34	160.94	3.0	4.0	50.0	3051.0	1.7	6.8	1131.8	35.7	379.8	8.8	25.5	16.2	26.4	28.5	1.5	4.4	0.7	301.2	322.8	290.6	10.5
SMDH 00015	812877.63	8193630.34	160.94	4.0	5.0	65.0	7104.8	4.1	18.9	2151.4	95.1	533.3	94.6	272.5	173.5	282.0	305.4	3.7	13.3	1.5	392.6	455.8	367.1	25.5
SMDH 00015	812877.63	8193630.34	160.94	5.0	6.0	90.0	5609.7	3.5	15.8	1484.0	45.6	366.5	74.6	214.7	136.7	222.2	240.7	3.3	11.2	1.1	275.0	303.9	262.3	12.7
SMDH 00015	812877.63	8193630.34	160.94	6.0	7.0	45.0	5344.5	2.9	16.7	1240.1	62.9	523.5	77.4	222.8	141.8	230.6	249.7	2.6	12.3	1.5	375.5	415.4	357.4	18.1
SMDH 00015	812877.63	8193630.34	160.94	7.0	8.0	75.0	5606.9	3.0	23.7	487.3	28.4	296.0	62.1	178.7	113.8	185.0	200.3	2.9	19.6	1.2	160.7	179.3	153.2	7.4
SMDH 00015	812877.63	8193630.34	160.94	8.0	9.0	45.0	2798.2	1.6	7.9	765.6	26.4	304.7	30.8	88.8	56.5	91.9	99.5	1.4	5.6	0.7	124.6	141.5	117.2	7.4
SMDH 00015	812877.63	8193630.34	160.94	9.0	10.0	50.0	2439.1	1.2	6.1	792.8	64.7	459.5	24.4	70.2	44.7	72.6	78.6	1.0	4.5	0.5	269.6	313.6	253.4	16.2
SMDH 00015	812877.63	8193630.34	160.94	10.0	11.0	60.0	4382.4	2.3	13.9	1043.5	59.9	481.9	45.7	131.6	83.8	136.2	147.5	2.1	10.9	0.7	287.8	328.3	272.7	15.1
SMDH 00015	812877.63	8193630.34	160.94	11.0	12.0	90.0	2133.7	1.0	5.8	618.4	50.7	543.4	23.9	68.9	43.9	71.3	77.2	0.8	4.4	0.4	286.2	319.2	272.4	13.8
SMDH 00015	812877.63	8193630.34	160.94	12.0	13.0	60.0	3909.6	2.0	12.9	798.5	85.6	439.2	65.3	188.1	119.7	194.6	210.8	1.8	10.0	1.0	331.2	386.5	306.9	24.3
SMDH 00014b	812936.17	8193626.35	162.26	0.0	1.0	50.0	4079.0	2.0	13.3	954.1	44.2	526.1	58.6	168.8	107.5	174.7	189.2	1.7	10.5	0.9	477.8	504.6	464.5	13.3
SMDH 00014b	812936.17	8193626.35	162.26	1.0	2.0	50.0	9396.5	8.4	30.8	813.0	31.7	459.0	239.0	688.3	438.1	712.3	771.4	8.0	22.0	0.4	374.4	393.4	365.1	9.4
SMDH 00014b	812936.17	8193626.35	162.26	2.0	3.0	65.0	3785.3	1.9	14.0	661.5	22.8	251.3	58.6	168.8	107.5	174.7	189.2	1.7	11.2	1.0	336.9	349.9	330.4	6.4
SMDH 00014b	812936.17	8193626.35	162.26	3.0	4.0	80.0	7578.7	4.8	27.3	1309.4	13.6	124.3	103.0	296.7	188.8	307.0	332.5	4.6	22.0	0.4	188.8	196.5	184.8	4.0
SMDH 00014b	812936.17	8193626.35	162.26	4.0	5.0	60.0	8427.5	5.5	28.1	1710.1	20.3	192.6	126.9	365.6	232.7	378.3	409.7	5.2	22.0	0.6	366.9	378.6	361.5	5.4
SMDH 00014b	812936.17	8193626.35	162.26	5.0	6.0	95.0	3281.7	1.5	8.1	1227.3	25.6	357.2	34.7	100.0	63.6	103.4	112.0	1.3	5.6	0.9	487.1	501.2	479.5	7.5
SMDH 00014b	812936.17	8193626.35	162.26	6.0	7.0	80.0	15834.4	16.5	38.9	1806.7	44.8	393.3	1395.5	4019.2	2558.4	4159.5	4504.2	14.6	22.0	0.4	965.5	989.7	950.8	14.7
SMDH 00014b	812936.17	8193626.35	162.26	7.0	8.0	70.0	3556.0	1.4	6.2	1787.1	47.0	588.9	30.2	86.9	55.3	89.9	97.4	1.1	4.0	0.8	843.6	870.7	830.0	13.6
SMDH 00014b	812936.17	8193626.35	162.26	8.0	9.0	75.0	3723.5	1.9	8.5	1479.8	29.7	258.3	48.5	139.7	88.9	144.5	156.5	1.7	5.6	0.9	514.0	530.7	504.8	9.2
SMDH 00014b	812936.17	8193626.35	162.26	9.0	10.0	60.0	2972.5	1.4	6.8	1202.0	24.6	260.7	30.2	86.9	55.3	89.9	97.4	1.2	4.6	0.8	452.2	465.9	445.1	7.2
SMDH 00014b	812936.17	8193626.35	162.26	10.0	11.0	60.0	1019.1	0.2	0.5	801.8	27.0	233.8	0.7	1.9	1.2	2.0	2.1	0.1	0.3	0.0	471.9	486.8	463.8	8.1
SMDH 00014	812998.93	8193622.46	164.09	0.0	1.0	35.0	2968.1	1.3	7.7	916.1	42.9	674.0	38.8	111.8	71.2	115.7	125.3	1.1	5.3	1.1	410.6	436.3	397.7	12.9
SMDH 00014	812998.93	8193622.46	164.09	1.0	2.0	80.0	5698.0	3.2	20.7	772.1	20.1	544.9	64.7	186.4	118.7	192.9	208.9	3.0	15.3	2.2	293.5	305.1	287.6	5.8
SMDH 00014	812998.93	8193622.46	164.09	2.0	3.0	80.0	8350.5	3.6	27.3	2379.3	46.0	468.1	99.6	286.7	182.5	296.7	321.3	3.2	21.8	2.0	1604.8	1630.1	1590.9	13.9
SMDH 00014	812998.93	8193622.46	164.09	3.0	4.0	85.0	4518.1	2.7	16.2	679.9	17.3	812.5	54.1	155.8	99.2	161.2	174.6	2.4	13.4	0.1	236.4	245.5	231.1	5.3
SMDH 00014	812998.93	8193622.46	164.09	4.0	5.0	80.0	5437.8	2.9	20.3	718.8	21.1	697.8	104.7	301.7	192.0	312.2	338.1	2.7	16.2	1.2	310.8	322.5	304.2	6.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00014	812998.93	8193622.46	164.09	5.0	6.0	95.0	7453.7	4.2	28.0	980.5	31.7	743.5	117.6	338.7	215.6	350.6	379.6	3.9	22.0	1.8	405.9	424.4	396.4	9.5
SMDH 00014	812998.93	8193622.46	164.09	6.0	7.0	90.0	5060.3	2.6	18.5	718.9	39.3	755.6	76.3	219.8	139.9	227.4	246.3	2.4	14.4	1.5	336.7	360.5	324.9	11.7
SMDH 00014	812998.93	8193622.46	164.09	7.0	8.0	95.0	4444.4	2.3	15.6	748.7	53.2	658.6	66.1	190.5	121.3	197.2	213.5	2.1	12.1	1.1	343.8	376.9	328.3	15.5
SMDH 00014	812998.93	8193622.46	164.09	8.0	9.0	95.0	9018.9	7.6	30.5	653.8	67.7	790.4	199.3	574.1	365.5	594.2	643.4	7.2	22.0	0.9	374.1	415.8	354.1	20.0
SMDH 00013b	813060.31	8193622.56	163.40	0.0	1.0	50.0	4141.4	2.1	13.7	902.4	42.6	745.5	54.4	156.7	99.7	162.2	175.6	1.8	11.2	0.4	454.0	480.0	441.4	12.5
SMDH 00013b	813060.31	8193622.56	163.40	1.0	2.0	65.0	5812.6	3.0	21.2	857.8	32.5	881.5	111.5	321.2	204.5	332.4	360.0	2.7	16.7	1.5	430.7	449.7	421.2	9.5
SMDH 00013b	813060.31	8193622.56	163.40	2.0	3.0	70.0	4902.4	2.6	19.3	482.4	28.8	507.4	98.7	284.1	180.9	294.0	318.4	2.3	15.1	1.7	233.0	250.8	224.5	8.5
SMDH 00013b	813060.31	8193622.56	163.40	3.0	4.0	90.0	3501.3	1.8	13.3	391.8	22.3	630.0	53.5	154.1	98.1	159.5	172.7	1.6	10.4	1.0	177.4	190.9	171.2	6.2
SMDH 00013b	813060.31	8193622.56	163.40	4.0	5.0	85.0	4647.6	2.4	16.0	792.7	21.9	1173.2	113.3	326.4	207.8	337.8	365.8	2.1	13.5	0.1	413.3	426.0	407.5	5.7
SMDH 00013b	813060.31	8193622.56	163.40	5.0	6.0	95.0	4224.0	2.3	16.1	430.6	25.8	769.2	89.0	256.2	163.1	265.2	287.2	2.1	12.9	0.9	130.7	146.7	123.7	7.0
SMDH 00013b	813060.31	8193622.56	163.40	6.0	7.0	70.0	3696.5	1.9	12.6	621.5	42.6	591.1	86.9	250.3	159.3	259.1	280.5	1.7	9.6	1.0	230.2	257.3	218.1	12.1
SMDH 00013b	813060.31	8193622.56	163.40	7.0	8.0	98.0	3027.7	1.7	9.7	536.5	22.2	976.4	31.8	91.7	58.4	94.9	102.7	1.5	7.9	0.2	100.3	114.0	94.7	5.6
SMDH 00013b	813060.31	8193622.56	163.40	8.0	9.0	85.0	4210.6	2.1	15.8	469.5	77.6	719.5	97.7	281.5	179.2	291.4	315.5	1.9	12.7	1.0	215.9	264.3	193.0	23.0
SMDH 00013b	813060.31	8193622.56	163.40	9.0	10.0	85.0	4590.8	2.5	17.2	581.5	77.0	337.2	102.0	293.9	187.1	304.1	329.3	2.3	13.4	1.3	205.3	254.3	183.1	22.2
SMDH 00013b	813060.31	8193622.56	163.40	10.0	11.0	95.0	4269.8	2.2	15.5	672.7	78.5	354.2	71.1	204.8	130.4	212.0	229.5	2.0	12.1	1.2	297.4	347.3	274.6	22.8
SMDH 00034	812573.07	8193739.86	163.10	0.0	1.0	45.0	4715.0	2.3	16.2	1053.2	25.1	286.1	76.3	219.8	139.9	227.4	246.3	2.1	12.6	1.2	533.3	547.4	526.0	7.3
SMDH 00034	812573.07	8193739.86	163.10	1.0	2.0	40.0	15817.0	16.2	39.2	1950.3	37.1	192.8	1274.1	3669.6	2335.9	3797.7	4112.5	14.5	22.0	0.9	1224.6	1244.4	1212.6	12.0
SMDH 00034	812573.07	8193739.86	163.10	2.0	3.0	90.0	3141.9	1.2	8.7	978.2	30.9	537.9	38.6	111.2	70.8	115.1	124.6	1.0	5.9	1.6	516.1	534.6	507.4	8.7
SMDH 00034	812573.07	8193739.86	163.10	3.0	4.0	90.0	5921.1	3.1	20.5	1035.3	22.0	832.9	109.5	315.3	200.7	326.3	353.4	2.7	15.7	1.8	452.7	465.5	446.7	5.9
SMDH 00034	812573.07	8193739.86	163.10	4.0	5.0	90.0	5710.3	3.1	20.7	912.9	63.6	795.7	119.6	344.6	219.4	356.6	386.2	2.7	17.3	0.4	429.8	468.2	410.6	19.2
SMDH 00034	812573.07	8193739.86	163.10	5.0	6.0	95.0	11144.5	10.4	32.8	987.3	27.6	516.6	816.5	2351.7	1497.0	2433.8	2635.5	9.3	22.0	0.4	596.9	612.5	589.1	7.9
SMDH 00034	812573.07	8193739.86	163.10	6.0	7.0	90.0	4048.9	2.1	13.8	904.9	18.9	394.9	86.0	247.7	157.7	256.4	277.6	1.8	11.3	0.4	431.9	442.1	426.3	5.5
SMDH 00034	812573.07	8193739.86	163.10	7.0	8.0	85.0	4675.0	2.4	16.3	983.0	18.7	400.7	117.6	338.7	215.6	350.6	379.6	2.1	13.5	0.3	492.3	501.9	486.5	5.7
SMDH 00033b	812636.88	8193737.43	163.74	0.0	1.0	50.0	5731.6	2.9	19.0	1230.5	58.6	986.1	131.7	379.2	241.4	392.4	424.9	2.5	15.7	0.3	632.6	668.3	615.3	17.3
SMDH 00033b	812636.88	8193737.43	163.74	1.0	2.0	30.0	4765.1	2.6	15.6	765.2	16.7	814.6	50.2	144.5	92.0	149.5	161.9	2.4	10.4	2.7	219.2	228.7	214.5	4.8
SMDH 00033b	812636.88	8193737.43	163.74	2.0	3.0	85.0	3977.9	2.3	12.7	857.5	11.2	550.4	89.6	258.2	164.3	267.2	289.3	2.1	10.2	0.1	164.1	169.9	160.9	3.2
SMDH 00033b	812636.88	8193737.43	163.74	3.0	4.0	80.0	4358.9	2.6	14.8	792.7	9.0	560.5	73.0	210.1	133.8	217.5	235.5	2.4	12.0	0.2	125.4	130.0	122.8	2.6
SMDH 00033b	812636.88	8193737.43	163.74	4.0	5.0	90.0	4470.9	2.5	14.2	948.3	9.4	473.3	74.1	213.6	135.9	221.0	239.3	2.3	10.2	1.5	156.7	161.5	154.1	2.6
SMDH 00033b	812636.88	8193737.43	163.74	5.0	6.0	95.0	2430.0	1.4	5.4	891.9	8.1	453.1	3.3	9.5	6.0	9.8	10.6	1.3	3.8	0.2	134.9	138.8	132.3	2.6
SMDH 00033b	812636.88	8193737.43	163.74	6.0	7.0	65.0	6225.8	3.5	20.8	1256.0	44.2	523.0	94.4	271.9	173.1	281.4	304.7	3.2	15.8	1.5	397.2	423.9	384.2	12.9
SMDH 00033b	812636.88	8193737.43	163.74	7.0	8.0	98.0	2528.1	1.4	3.1	1259.5	53.6	662.4	0.1	0.3	0.2	0.3	0.3	1.2	1.4	0.3	416.1	449.1	400.7	15.4
SMDH 00033b	812636.88	8193737.43	163.74	8.0	9.0	98.0	6134.4	3.4	20.5	1157.5	64.2	693.7	97.1	279.6	178.0	289.3	313.3	3.1	15.6	1.5	361.4	401.5	342.4	18.9
SMDH 00033b	812636.88	8193737.43	163.74	9.0	10.0	85.0	3874.4	2.2	8.0	1491.2	53.4	706.7	17.9	51.5	32.8	53.3	57.7	2.0	5.5	0.3	405.3	438.6	389.9	15.3
SMDH 00033b	812636.88	8193737.43	163.74	10.0	11.0	98.0	6711.8	3.8	21.2	1486.4	51.2	759.4	90.6	260.8	166.0	269.9	292.3	3.5	16.0	1.4	430.5	463.4	416.8	13.7
SMDH 00033b	812636.88	8193737.43	163.74	11.0	12.0	95.0	5755.4	3.2	20.0	1020.5	49.7	613.9	85.7	246.8	157.1	255.4	276.6	2.9	15.6	1.3	388.7	419.9	374.5	14.2
SMDH 00033b	812636.88	8193737.43	163.74	12.0	13.0	98.0	4572.6	2.4	11.8	1431.8	84.6	1004.4	35.2	101.3	64.5	104.8	113.5	2.1	9.3	0.2	577.1	630.8	553.3	23.8
SMDH 00033	812698.55	8193748.05	162.51	0.0	1.0	45.0	4220.7	2.1	10.3	1535.1	52.2	840.8	28.5	82.0	52.2	84.9	91.9	1.8	8.1	0.1	674.9	707.2	659.9	15.0
SMDH 00033	812698.55	8193748.05	162.51	1.0	2.0	45.0	7467.0	3.5	23.2	2048.4	80.6	740.0	110.3	317.7	202.2	328.8	356.0	3.1	18.0	1.6	1191.3	1241.6	1167.7	23.6
SMDH 00033	812698.55	8193748.05	162.51	2.0	3.0	80.0	6675.5	3.4	20.4	1814.8	72.8	561.3	94.4	271.9	173.1	281.4	304.7	3.0	15.8	1.3	872.4	918.5	851.3	21.0
SMDH 00033	812698.55	8193748.05	162.51	3.0	4.0	55.0	6197.5	3.5	20.8	1172.7	85.7	536.5	103.1	297.0	189.1	307.4	332.9	3.2	15.8	1.4	348.6	404.7	324.2	24.4
SMDH 00033	812698.55	8193748.05	162.51	4.0	5.0	85.0	6692.9	3.9	21.4	1427.4	74.3	542.5	110.3	317.7	202.2	328.8	356.0	3.6	16.3	1.3	322.6	370.8	301.1	21.4
SMDH 00033	812698.55	8193748.05	162.51	5.0	6.0	50.0	6145.3	3.5	17.9	1665.5	44.2	359.5	93.6	269.7	171.7	279.1	302.3	3.2	13.0	1.5	418.6	445.9	405.8	12.8
SMDH 00033	812698.55	8193748.05	162.51	6.0	7.0	45.0	4543.6	2.5	9.9	1849.5	21.5	131.4	36.7	105.7	67.3	109.4	118.4	2.2	6.1	1.4	390.9	403.2	385.0	5.8
SMDH 00033	812698.55	8193748.05	162.51	7.0	8.0	40.0	3753.1	2.2	10.6	1103.3	29.3	300.7	36.7	105.7	67.3	109.4	118.4	2.1	8.2	0.1	308.1	326.0	299.9	8.2
SMDH 00033	812698.55	8193748.05	162.51	8.0	9.0	45.0	6092.6	3.6	18.6	1448.8	33.3	382.5	105.7	304.4	193.8	315.0	341.1	3.3	13.6	1.4	265.5	286.2	256.1	9.4
SMDH 00033	812698.55	8193748.05	162.51	9.0	9.5	60.0	4747.5	2.7	12.9	1470.2	20.3	164.5	61.6	177.3	112.9	183.5	198.7	2.5	8.8	1.4	273.7	285.7	268.5	5.2
SMDH 00032b	812755.80	8193743.54	161.88	0.0	1.0	50.0	2878.7	1.2	8.3	752.8	34.5	909.8	58.0	167.0	106.3	172.8	187.1	1.0	6.6	0.5	430.7	451.4	420.4	10.4
SMDH 00032b	812755.80	8193743.54	161.88	1.0	2.0	45.0	3950.8	1.9	13.4	865.3	34.1	566.6	51.8	149.2	95.0	154.5	167.3	1.7	10.8	0.7	485.2	505.5	475.1	10.1
SMDH 00032b	812755.80	8193743.54	161.88	2.0	3.0	45.0	5968.7	3.6	20.1	1054.6	66.2	458.8	102.4	294.8	187.7	305.1	330.4	3.3	15.2	1.3	251.1	295.8	234.0	17.1
SMDH 00032b	812755.80	8193743.54	161.88	3.0	4.0	70.0	4528.2	2.7	13.2	1161.0	51.8	423.8	54.2	156.2	99.4	161.7	175.1	2.4	9.6	0.9	260.1	293.3	245.5	14.6
SMDH 00032b	812755.80	8193743.54	161.88	4.0	5.0	50.0	4936.0	3.0	14.3	1246.1	26.5	407.4	78.8	227.1	144.6	235.0	254.5	2.7	10.1	1.2	240.9	256.9	232.7	8.2
SMDH 00032b	812755.80	8193743.54	161.88	5.0	6.0	70.0	5349.2	3.3	13.1	1744.6	23.7	481.2	59.9	172.5	109.8	178.6	193.4	3.0	8.8	1.0	194.5	208.8	187.9	6.5
SMDH 00032b	812755.80	8193743.54	161.88	6.0	7.0	90.0	4202.2	2.4	12.9	1001.0	22.2	338.8	69.5	200.1	127.4	207.1	224.2	2.2	9.4	1.0	280.0	292.6	272.7	7.4
SMDH 00032b	812755.80	8193743.54	161.88	7.0	8.0	60.0	4319.1	2.4	14.0	923.9	10.1	344.4	39.0	112.4	71.6	116.3	126.0	2.3	10.1	1.4	123.9	129.4	121.2	2.7
SMDH 00032	812820.87	8193746.00	160.82	0.0	1.0	40.0	2607.8	1.2	9.1	469.0	17.0	308.9	37.5	107.9	68.7	111.7	121.0	1.1	6.6	1.2	215.2	224.7	209.8	5.4
SMDH 00032	812820.87	8193746.00	160.82	1.0	2.0	35.0	2983.6	1.6	6.9	1115.3	14.9	225.4	30.9	89.1	56.7	92.2	99.8	1.5	4.5	0.8	260.1	268.3	255.5	4.6
SMDH 00032	812820.87	8193746.00	160.82	2.0	3.0	40.0	4456.3	2.7	6.8	2199.2	15.9	174.1	24.0	69.2	44.0	71.6	77.5	2.5	3.1	0.9	260.5	269.5	255.9	4.6
SMDH 00032	812820.87	8193746.00	160.82	3.0	4.0	65.0	7115.1	4.2	22.7	1460.3	48.1	795.3	138.7	399.6	254.3	413.5	447.8	3.8	17.2	1.4	331.9	362.6	318.3	13.6
SMDH 00032	812820.87	8193746.00	160.82	4.0	5.0	95.0	4745.4	2.9	7.9	2118.1	18.5	321.5	19.6	56.3	35.9	58.3	63.1	2.6	3.2	1.8	275.2	286.1	270.3	4.9
SMDH 00032	812820.87	8193746.00	160.82	5.0	6.0	90.0	3613.1	2.2	7.3	1464.5	12.9	174.7	30.7	88.3	56.2	91.4	99.0	2.0	4.0	1.1	157.1	163.8	152.5	4.6
SMDH 00032	812820.87	8193746.00	160.82	6.0	7.0	60.0	2792.2	1.5	7.0	941.5	19.7	183.6	35.6	102.7	65.4	106.3	115.1	1.3	4.4	1.2	273.2	284.6	267.8	5.4
SMDH 00032	812820.87	8193746.00	160.82	7.0	8.0	80.0	3173.0	1.9	8.2	950.7	8.1	230.9	36.3	104.6	66.6	108.3	117.2	1.7	5.0	1.3	65.0	69.2	62.3	2.7
SMDH 00032	812820.87	8193746.00	160.82	8.0	9.0	80.0	3816.7	2.3	8.7	1325.4	12.0	242.1	42.2	121.6	77.4	125.9	136.3	2.1	5.0	1.4	71.3	77.4	67.0	4.3
SMDH 00032	812820.87	8193746.00	160.82	9.0	10.0	70.0	3285.8	1.9	6.4	1381.3	15.6	180.3	26.6	76.5	48.7	79.2	85.8	1.7	3.3	1.2	193.8	202.5	189.2	4.6
SMDH 00031b	812872.17	8193749.35	160.20	0.0	1.0	25.0	2601.6	1.2	7.6	667.4	32.2	661.5	35.4	102.0	64.9	105.6	114.3	1.0	5.9	0.6	320.7	340.5	311.4	9.2
SMDH 00031b	812872.17	8193749.35	160.20	1.0	2.0	90.0	3710.3	1.8	11.2	899.7	36.5	647.2	57.5	165.7	105.5	171.5	185.7	1.6	8.1	1.2	386.8	408.2	375.3	11.4
SMDH 00031b	812872.17	8193749.35	160.20	2.0	3.0	85.0	4970.3	2.9	10.1	1994.3	21.6	349.8	46.8	134.7	85.7	139.4	151.0	2.6	5.6	1.6	319.5	330.8	312.1	7.4
SMDH 00031b	812872.17	8193749.35	160.20	3.0	4.0	75.0	4870.0	3.0	10.1	1916.8	17.8	266.7	46.8	134.7	85.7	139.4	151.0	2.7	5.7	1.4	300.5	310.1	295.8	4.6
SMDH 00031b	812872.17	8193749.35	160.20	4.0	5.0	80.0	3852.8	2.1	10.8	1103.9	16.1	240.0	64.5	185.8	118.3	192.3	208.3	1.9	7.2	1.5	286.8	295.2	282.1	4.6
SMDH 00031b	812872.17	8193749.35	160.20	5.0	6.0	90.0	4629.8	2.7	12.3	1394.5	17.6	320.7	59.4	171.1	108.9	177.1	191.8	2.5	8.2	1.4	234.2	243.5	228.8	5.4
SMDH 00031b	812872.17	8193749.35	160.20	6.0	7.0	50.0	4325.7	2.4	9.2	1710.3	23.3	283.0	41.7	120.0	76.4	124.2	134.5	2.2	5.3	1.5	300.4	313.7	293.0	7.4
SMDH 00031b	812872.17	8193749.35	160.20	7.0	8.0	90.0	4477.6	2.7	8.0	1974.7	14.7	241.9	29.3	84.4	53.7	87.4	94.6	2.4	3.9	1.4	233.9	241.5	229.3	4.6
SMDH 00031b	812872.17	8193749.35	160.20	8.0	9.0	655.0	3934.3	2.1	9.0	1448.4	20.5	282.0	39.0	112.3	71.5	116.2	125.9	1.9	5.2	1.7	321.1	331.3	313.7	7.4
SMDH 00031b	812872.17	8193749.35	160.20	9.0	10.0	85.0	4066.7	2.2	8.7	1603.2	15.9	283.8	32.7	94.0	59.9	97.3	105.4	2.0	4.9	1.6	305.1	313.3	300.4	4.7
SMDH 00031	812936.36	8193743.85	160.41	0.0	1.0	45.0	3175.6	1.6	9.1	857.3	26.2	486.7	51.7	149.0	94.9	154.2	167.0	1.4	6.6	1.0	307.3	323.1	299.9	7.4
SMDH 00031	812936.36	8193743.85	160.41	1.0	2.0	40.0	3804.2	1.9	11.6	963.9	31.3	457.0	58.5	168.5	107.3	174.4	188.9	1.7	8.6	1.2	393.1	410.7	382.8	10.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00031	812936.36	8193743.85	160.41	2.0	3.0	45.0	5080.2	2.5	16.1	1181.4	40.6	761.0	79.9	230.0	146.4	238.0	257.7	2.2	12.2	1.5	636.3	660.0	624.8	11.5
SMDH 00031	812936.36	8193743.85	160.41	3.0	4.0	65.0	4758.9	2.9	14.3	979.2	19.5	818.4	78.8	227.1	144.6	235.0	254.5	2.6	10.1	1.3	169.5	180.8	164.1	5.4
SMDH 00031	812936.36	8193743.85	160.41	4.0	5.0	95.0	5445.4	3.2	17.6	942.5	17.6	886.0	106.2	305.9	194.7	316.6	342.9	2.9	12.9	1.5	171.7	181.5	166.3	5.4
SMDH 00031	812936.36	8193743.85	160.41	5.0	6.0	95.0	6841.9	4.1	18.9	1696.4	21.6	1185.9	106.2	305.9	194.7	316.6	342.9	3.7	13.2	1.6	280.1	292.4	273.8	6.3
SMDH 00031	812936.36	8193743.85	160.41	6.0	7.0	85.0	6686.5	3.8	19.6	1593.0	27.7	1067.3	123.9	356.8	227.1	369.2	399.8	3.4	14.2	1.5	468.1	483.7	459.9	8.2
SMDH 00031	812936.36	8193743.85	160.41	7.0	8.0	55.0	5722.4	3.2	16.5	1470.0	33.4	773.2	97.0	279.5	177.9	289.2	313.2	2.8	11.8	1.5	442.8	462.4	432.4	10.4
SMDH 00031	812936.36	8193743.85	160.41	8.0	9.0	98.0	6309.2	3.4	18.7	1570.9	46.6	922.5	117.0	336.9	214.5	348.7	377.6	3.0	13.9	1.5	623.8	651.9	610.1	13.7
SMDH 00031	812936.36	8193743.85	160.41	9.0	10.0	95.0	6246.1	3.3	18.0	1680.6	46.3	859.5	113.3	326.3	207.7	337.7	365.6	2.9	13.4	1.4	618.4	644.2	604.7	13.7
SMDH 00031	812936.36	8193743.85	160.41	10.0	11.0	98.0	6654.9	3.5	20.3	1615.0	59.2	911.6	132.2	380.9	242.5	394.2	426.9	3.1	15.3	1.5	651.9	686.0	634.9	17.0
SMDH 00030b	812997.75	8193743.36	161.23	0.0	1.0	80.0	5886.1	2.9	20.1	1094.8	44.4	901.0	105.4	303.6	193.2	314.2	340.2	2.6	15.6	1.6	471.4	497.7	458.9	12.5
SMDH 00030b	812997.75	8193743.36	161.23	1.0	2.0	55.0	5210.8	2.7	15.4	1355.1	37.7	691.9	79.5	228.9	145.7	236.9	256.5	2.4	11.3	1.3	339.1	360.3	326.6	12.5
SMDH 00030b	812997.75	8193743.36	161.23	2.0	3.0	90.0	5501.1	3.3	9.0	2681.4	16.7	180.6	37.5	107.9	68.7	111.7	121.0	2.9	4.8	1.0	376.1	384.4	370.7	5.4
SMDH 00030b	812997.75	8193743.36	161.23	3.0	4.0	70.0	4582.8	2.9	10.6	1575.9	25.6	392.4	42.7	123.1	78.3	127.4	137.9	2.6	6.7	1.0	241.4	257.3	235.0	6.4
SMDH 00030b	812997.75	8193743.36	161.23	4.0	5.0	50.0	5464.5	3.6	13.0	1718.5	20.5	573.4	62.5	179.9	114.5	186.1	201.6	3.3	8.3	1.1	232.8	245.0	227.4	5.4
SMDH 00030b	812997.75	8193743.36	161.23	5.0	6.0	98.0	5586.4	3.5	15.2	1445.1	17.4	749.4	89.8	258.7	164.7	267.7	289.9	3.1	10.5	1.3	273.9	282.8	268.5	5.4
SMDH 00030b	812997.75	8193743.36	161.23	6.0	7.0	85.0	4583.9	2.8	12.5	1260.6	20.4	422.5	61.6	177.3	112.9	183.5	198.7	2.5	8.5	1.3	189.9	202.3	184.5	5.4
SMDH 00030b	812997.75	8193743.36	161.23	7.0	7.5	80.0	3404.7	2.0	8.3	1152.1	18.8	112.2	35.3	101.6	64.7	105.2	113.9	1.8	5.2	1.1	109.2	120.6	103.8	5.4
SMDH 00030	813059.04	8193742.67	161.09	0.0	1.0	20.0	4968.2	2.5	17.9	850.4	36.4	633.1	76.2	219.6	139.8	227.2	246.1	2.2	14.1	1.3	440.0	461.6	428.5	11.5
SMDH 00030	813059.04	8193742.67	161.09	1.0	2.0	50.0	7891.1	5.8	14.9	3056.4	21.8	447.7	62.2	179.2	114.1	185.5	200.8	5.3	8.3	0.9	205.3	217.9	199.0	6.3
SMDH 00030	813059.04	8193742.67	161.09	2.0	3.0	40.0	8972.5	7.2	14.5	3653.5	17.4	372.7	49.9	143.6	91.4	148.6	161.0	6.8	6.6	0.7	121.5	130.3	117.2	4.3
SMDH 00030	813059.04	8193742.67	161.09	3.0	4.0	60.0	5815.4	4.0	16.7	1299.1	15.1	666.6	56.7	163.3	104.0	169.0	183.0	3.8	11.7	0.9	120.0	128.2	115.7	4.3
SMDH 00030	813059.04	8193742.67	161.09	4.0	5.0	60.0	7394.9	4.9	19.6	2056.0	35.0	541.6	102.6	295.5	188.1	305.8	331.1	4.5	13.6	1.1	358.6	379.3	348.2	10.4
SMDH 00030	813059.04	8193742.67	161.09	5.0	6.0	85.0	6594.1	4.6	16.9	1845.2	21.1	576.9	62.2	179.2	114.1	185.5	200.8	4.3	11.3	0.9	186.3	199.1	180.9	5.4
SMDH 00030	813059.04	8193742.67	161.09	6.0	7.0	80.0	4065.6	2.4	13.6	637.6	16.8	772.7	50.8	146.2	93.0	151.3	163.8	2.2	10.3	0.9	156.2	165.6	150.8	5.4
SMDH 00030	813059.04	8193742.67	161.09	7.0	8.0	85.0	4778.2	2.9	16.0	770.9	22.8	761.0	56.5	162.7	103.5	168.3	182.3	2.6	12.1	1.1	163.4	178.2	157.9	5.4
SMDH 00030	813059.04	8193742.67	161.09	8.0	9.0	98.0	5353.7	3.1	18.4	895.9	31.5	608.1	85.1	245.0	156.0	253.6	274.6	2.9	14.1	1.2	233.8	254.0	224.5	9.3
SMDH 00030	813059.04	8193742.67	161.09	9.0	10.0	90.0	7064.7	4.0	22.7	1474.3	80.1	748.2	109.4	315.0	200.5	326.0	353.1	3.6	17.1	1.6	437.0	487.0	413.1	23.8
SMDH 00030	813059.04	8193742.67	161.09	10.0	11.0	90.0	5832.6	3.4	19.2	1065.1	56.5	689.6	89.9	259.0	164.9	268.1	290.3	3.1	14.4	1.4	259.0	295.5	243.6	15.4
SMDH 00030	813059.04	8193742.67	161.09	11.0	12.0	75.0	5840.5	3.4	20.1	902.9	38.8	853.5	96.2	277.2	176.4	286.8	310.6	3.1	15.2	1.5	224.0	248.3	212.6	11.4
SMDH 00030	813059.04	8193742.67	161.09	12.0	13.0	95.0	6519.4	3.9	20.3	1354.3	18.6	769.1	110.4	318.1	202.5	329.2	356.4	3.6	14.8	1.5	162.0	172.5	155.7	6.3
SMDH 00030	813059.04	8193742.67	161.09	13.0	14.0	90.0	5569.3	3.1	18.4	1032.5	34.4	787.0	88.6	255.2	162.5	264.1	286.0	2.8	13.9	1.4	296.6	316.9	285.2	11.4
SMDH 00030	813059.04	8193742.67	161.09	14.0	15.0	96.0	6320.2	3.6	20.2	1304.2	24.1	801.6	122.5	352.9	224.6	365.2	395.5	3.2	15.1	1.6	384.8	398.3	377.4	7.4
SMDH 00030	813059.04	8193742.67	161.09	15.0	15.5	90.0	5672.2	3.0	16.8	1464.1	28.3	716.9	91.2	262.8	167.3	272.0	294.5	2.7	12.4	1.4	522.2	537.4	512.5	9.6
SMDH 00029b	813118.02	8193744.64	160.16	0.0	1.0	40.0	2652.1	1.1	6.5	882.0	36.5	843.6	39.7	114.4	72.8	118.4	128.2	0.8	4.8	0.6	471.0	492.8	459.5	11.5
SMDH 00029b	813118.02	8193744.64	160.16	1.0	2.0	35.0	4039.5	2.0	12.1	974.2	40.9	843.3	58.4	168.3	107.1	174.2	188.6	1.7	9.1	1.0	405.7	430.3	393.2	12.5
SMDH 00029b	813118.02	8193744.64	160.16	2.0	3.0	50.0	4147.0	2.2	14.5	697.3	29.5	568.5	28.7	82.8	52.7	85.6	92.7	2.0	10.8	1.5	297.4	315.7	289.2	8.2
SMDH 00029b	813118.02	8193744.64	160.16	3.0	4.0	40.0	4153.9	2.0	13.5	931.3	43.6	530.0	33.7	97.1	61.8	100.5	108.8	1.8	10.1	1.4	498.1	524.8	485.7	12.3
SMDH 00029b	813118.02	8193744.64	160.16	4.0	5.0	80.0	5854.0	3.1	18.7	1293.9	58.5	645.0	109.0	313.9	199.8	324.8	351.7	2.8	14.2	1.4	501.2	537.1	484.7	16.6
SMDH 00029b	813118.02	8193744.64	160.16	5.0	6.0	90.0	6508.0	3.6	22.3	1171.6	30.8	649.2	131.9	379.8	241.7	393.0	425.6	3.3	17.0	1.6	419.4	437.3	410.1	9.3
SMDH 00029b	813118.02	8193744.64	160.16	6.0	7.0	65.0	6548.2	3.7	21.2	1389.2	47.8	612.7	119.0	342.7	218.1	354.7	384.1	3.3	16.1	1.5	480.3	508.5	465.7	14.6
SMDH 00029b	813118.02	8193744.64	160.16	7.0	8.0	65.0	6524.8	3.7	21.1	1357.4	46.2	710.7	105.3	303.2	193.0	313.7	339.7	3.4	15.9	1.5	409.8	437.8	396.2	13.6
SMDH 00029b	813118.02	8193744.64	160.16	8.0	9.0	50.0	5971.5	3.4	18.6	1349.7	56.2	610.5	98.1	282.5	179.8	292.4	316.6	3.0	13.9	1.4	405.9	440.6	389.3	16.6
SMDH 00029b	813118.02	8193744.64	160.16	9.0	10.0	95.0	6231.9	3.5	19.6	1410.8	57.1	664.3	99.2	285.8	182.0	295.8	320.3	3.1	14.7	1.4	436.6	472.0	420.0	16.6
SMDH 00029b	813118.02	8193744.64	160.16	10.0	11.0	50.0	6381.6	3.5	20.5	1327.8	49.1	780.2	114.1	328.7	209.2	340.2	368.4	3.2	15.4	1.6	424.9	454.5	410.2	14.6
SMDH 00029b	813118.02	8193744.64	160.16	11.0	12.0	95.0	5825.9	3.2	19.1	1164.8	52.1	722.5	92.4	266.1	169.4	275.4	298.2	2.9	14.4	1.4	390.2	422.6	375.5	14.6
SMDH 00029b	813118.02	8193744.64	160.16	12.0	13.0	85.0	5486.6	3.0	17.2	1213.0	48.0	798.6	84.1	242.3	154.3	250.8	271.6	2.7	12.9	1.3	425.9	455.5	412.3	13.6
SMDH 00028b	813234.37	8193744.82	159.95	0.0	1.0	30.0	4373.1	2.1	13.9	966.1	53.1	693.4	40.5	116.6	74.2	120.6	130.6	1.9	10.1	1.7	471.0	504.2	456.2	14.8
SMDH 00028b	813234.37	8193744.82	159.95	1.0	2.0	60.0	6633.9	4.1	16.0	2204.7	45.0	568.9	77.5	223.1	142.0	230.9	250.0	3.7	10.7	1.2	318.6	347.2	306.0	12.5
SMDH 00028b	813234.37	8193744.82	159.95	2.0	3.0	40.0	6563.9	4.6	13.7	2360.4	20.7	354.4	55.4	159.6	101.6	165.2	178.9	4.3	8.0	1.2	154.4	165.7	148.1	6.3
SMDH 00028b	813234.37	8193744.82	159.95	3.0	4.0	70.0	7195.9	5.0	16.4	2339.2	32.5	597.3	74.2	213.8	136.1	221.3	239.6	4.6	10.4	1.0	249.3	268.4	240.1	9.2
SMDH 00028b	813234.37	8193744.82	159.95	4.0	5.0	75.0	5856.0	3.8	13.9	1881.4	24.6	531.4	66.6	191.7	122.1	198.4	214.9	3.5	8.8	1.2	213.0	227.4	205.9	7.1
SMDH 00028b	813234.37	8193744.82	159.95	5.0	6.0	80.0	8788.5	6.1	29.1	1567.3	38.6	249.7	150.2	432.6	275.4	447.7	484.8	5.7	22.0	1.1	102.2	126.8	90.8	11.4
SMDH 00028b	813234.37	8193744.82	159.95	6.0	7.0	90.0	8665.0	6.0	29.2	1427.7	40.3	242.4	163.8	471.9	300.4	488.3	528.8	5.6	22.0	1.2	112.9	138.8	101.5	11.4
SMDH 00028b	813234.37	8193744.82	159.95	7.0	8.0	80.0	8386.7	5.5	24.7	2112.6	37.8	219.2	123.3	355.0	226.0	367.4	397.8	5.2	18.0	1.1	104.0	128.3	93.7	10.3
SMDH 00028b	813234.37	8193744.82	159.95	8.0	8.5	20.0	5370.2	3.5	12.9	1738.5	33.2	163.5	30.7	88.4	56.3	91.5	99.1	3.2	7.5	1.9	83.1	105.1	74.5	8.6
SMDH 00028	813293.13	8193739.40	160.15	0.0	1.0	25.0	2258.6	1.0	6.9	600.8	29.2	425.7	24.6	70.8	45.0	73.2	79.3	0.9	5.5	0.4	317.9	336.2	309.4	8.5
SMDH 00028	813293.13	8193739.40	160.15	1.0	2.0	60.0	5422.7	2.6	16.7	1285.9	76.0	995.2	104.8	301.7	192.1	312.3	338.2	2.3	12.9	1.2	644.3	692.6	623.4	20.9
SMDH 00028	813293.13	8193739.40	160.15	2.0	3.0	50.0	6426.9	3.8	15.6	2171.0	39.9	638.1	76.9	221.6	141.1	229.3	248.3	3.4	10.7	1.1	441.1	465.6	429.7	11.4
SMDH 00028	813293.13	8193739.40	160.15	3.0	4.0	45.0	8507.1	5.5	14.5	3846.8	32.8	489.5	72.3	208.1	132.5	215.4	233.2	5.0	7.9	1.0	293.6	312.8	283.3	10.3
SMDH 00028	813293.13	8193739.40	160.15	4.0	5.0	50.0	6594.5	3.9	15.7	2298.6	34.1	601.2	82.3	237.1	150.9	245.4	265.7	3.5	10.7	1.1	339.5	359.9	329.1	10.3
SMDH 00028	813293.13	8193739.40	160.15	5.0	6.0	75.0	5875.3	3.3	14.5	2007.2	28.8	507.8	74.1	213.6	135.9	221.0	239.3	3.0	9.8	1.3	343.4	361.2	335.2	8.2
SMDH 00028	813293.13	8193739.40	160.15	6.0	7.0	85.0	5265.4	3.0	11.3	2040.6	17.9	476.9	61.9	178.3	113.5	184.5	199.8	2.7	7.1	1.1	291.6	302.2	287.0	4.6
SMDH 00027b	813377.30	8193734.68	160.58	0.0	1.0	50.0	6238.2	3.3	18.3	1625.9	59.0	829.1	95.7	275.6	175.4	285.2	308.9	2.9	13.4	1.6	492.7	530.9	476.9	15.8
SMDH 00027b	813377.30	8193734.68	160.58	1.0	2.0	20.0	5202.8	3.0	13.4	1575.0	39.3	337.3	45.2	130.3	82.9	134.8	146.0	2.7	8.1	2.4	301.7	327.0	291.4	10.2
SMDH 00027b	813377.30	8193734.68	160.58	2.0	3.0	70.0	5993.5	3.4	18.5	1395.3	61.6	569.4	98.5	283.8	180.7	293.7	318.1	3.1	13.8	1.3	327.9	368.5	311.4	16.6
SMDH 00027b	813377.30	8193734.68	160.58	3.0	4.0	85.0	7279.5	4.2	20.9	1914.8	79.5	817.4	108.8	313.3	199.4	324.3	351.1	3.7	15.3	1.4	390.7	441.5	368.0	22.7
SMDH 00027b	813377.30	8193734.68	160.58	4.0	5.0	98.0	6144.9	3.4	18.8	1404.8	46.9	862.2	114.3	329.1	209.5	340.6	368.8	3.0	14.1	1.4	450.2	480.1	437.7	12.5
SMDH 00027b	813377.30	8193734.68	160.58	5.0	6.0	90.0	6304.9	3.4	18.6	1619.2	46.1	806.3	101.4	292.1	185.9	302.3	327.4	3.1	13.9	1.3	533.0	561.9	520.5	12.5
SMDH 00029	813181.30	8193750.92	160.17	0.0	1.0	20.0	4703.5	2.0	13.6	1150.5	97.5	1017.5	30.6	88.1	56.1	91.1	98.7	1.8	9.0	2.6	543.1	614.4	525.0	18.1
SMDH 00029	813181.30	8193750.92	160.17	1.0	2.0	75.0	5408.1	3.1	17.4	1149.9	36.7	550.3	78.6	226.3	144.0	234.2	253.6	2.8	13.1	1.2	321.7	344.4	311.4	10.3
SMDH 00029	813181.30	8193750.92	160.17	2.0	3.0	70.0	6499.9	3.9	19.0	1672.1	37.2	554.2	90.9	261.9	166.7	271.0	293.5	3.5	13.7	1.4	387.3	409.4	375.8	11.4
SMDH 00029	813181.30	8193750.92	160.17	3.0	4.0	85.0	6392.6	3.8	19.8	1461.6	43.7	499.5	90.6	260.8	166.0	269.9	292.3	3.5	14.7	1.3	334.7	362.9	323.3	11.4
SMDH 00029	813181.30	8193750.92	160.17	4.0	5.0	95.0	5883.7	3.4	18.9	1246.3	54.8	520.7	87.9	253.2	161.1	262.0	283.7	3.1	14.1	1.4	330.2	366.6	315.5	14.8
SMDH 00029	813181.30	8193750.92	160.17	5.0	6.0	98.0	6130.7	3.5	19.5	1317.1	50.2	718.4	95.2	274.1	174.5	283.7	307.2	3.1	14.6	1.4	408.2	440.8	394.5	13.7
SMDH 00029	813181.30	8193750.92	160.17	6.0	7.0	90.0	5292.9	2.9	17.2	1069.3	29.2	628.9	90.1	259.4	165.1	268.5	290.7	2.6	12.8	1.5	353.9	371.6	345.7	8.2
SMDH 00029	813181.30	8193750.92	160.17	7.0	8.0	50.0	5189.9	2.9	16.8	1059.9	28.9	556.7	95.0	273.5	174.1	283.0	306.5	2.6	12.4	1.5	318.0	335.6	309.8	8.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00029	813181.30	8193750.92	160.17	8.0	9.0	75.0	6039.6	3.5	20.1	1163.7	31.3	557.1	101.5	292.4	186.1	302.6	327.7	3.2	15.1	1.5	328.8	348.5	320.6	8.2
SMDH 00029	813181.30	8193750.92	160.17	9.0	10.0	95.0	6140.7	3.4	20.9	1091.7	50.1	625.9	108.6	312.7	199.1	323.7	350.5	3.1	15.9	1.6	382.6	414.7	367.9	14.8
SMDH 00029	813181.30	8193750.92	160.17	10.0	11.0	95.0	6022.2	3.4	20.9	985.4	48.4	732.1	108.6	312.9	199.2	323.8	350.7	3.1	16.0	1.5	358.3	388.5	343.5	14.8
SMDH 00029	813181.30	8193750.92	160.17	11.0	12.0	90.0	6158.3	3.5	21.4	1035.7	50.7	616.9	106.0	305.2	194.3	315.9	342.1	3.2	16.4	1.5	348.4	380.9	333.6	14.8
SMDH 00027	813413.83	8193738.64	160.43	0.0	1.0	45.0	6359.9	3.1	20.5	1351.1	100.1	1089.3	114.7	330.3	210.2	341.8	370.2	2.7	15.9	1.5	683.5	747.2	654.1	29.4
SMDH 00027	813413.83	8193738.64	160.43	1.0	2.0	35.0	5540.5	2.8	16.3	1447.9	72.1	797.0	98.2	282.9	180.1	292.8	317.1	2.4	12.1	1.4	597.9	644.0	577.9	19.9
SMDH 00027	813413.83	8193738.64	160.43	2.0	3.0	45.0	6404.4	3.4	18.8	1638.0	54.9	927.5	117.1	337.3	214.7	349.0	378.0	3.0	14.1	1.3	601.3	635.3	585.5	15.8
SMDH 00027	813413.83	8193738.64	160.43	3.0	4.0	65.0	6324.2	3.4	19.7	1465.0	53.6	852.2	118.6	341.5	217.4	353.4	382.7	3.0	15.0	1.3	555.8	589.6	541.0	14.8
SMDH 00027	813413.83	8193738.64	160.43	4.0	5.0	60.0	6835.2	3.6	21.2	1648.8	72.0	835.6	126.3	363.7	231.5	376.4	407.6	3.2	16.3	1.3	689.0	733.8	668.3	20.7
SMDH 00027	813413.83	8193738.64	160.43	5.0	6.0	60.0	5662.1	3.2	17.4	1247.9	31.9	833.2	111.5	321.2	204.5	332.5	360.0	2.8	13.0	1.3	385.9	405.0	376.6	9.3
SMDH 00027	813413.83	8193738.64	160.43	6.0	7.0	70.0	5844.4	3.2	19.1	1191.2	47.9	752.2	110.0	316.8	201.6	327.8	355.0	2.9	14.6	1.3	445.2	475.3	431.6	13.6
SMDH 00027	813413.83	8193738.64	160.43	7.0	8.0	95.0	6653.3	3.6	21.4	1439.5	74.0	844.3	111.1	320.0	203.7	331.2	358.6	3.2	16.4	1.4	559.5	604.2	536.8	22.7
SMDH 00027	813413.83	8193738.64	160.43	8.0	9.0	80.0	8106.8	4.4	26.4	1643.9	161.5	1078.8	129.5	372.9	237.4	385.9	417.9	3.9	20.7	1.3	629.3	731.6	581.9	47.4
SMDH 00026b	813472.70	8193743.55	160.44	0.0	1.0	35.0	4206.4	1.9	12.7	1039.9	75.8	838.4	72.8	209.7	133.5	217.0	235.0	1.7	9.7	1.0	528.3	576.7	507.7	20.6
SMDH 00026b	813472.70	8193743.55	160.44	1.0	2.0	50.0	4655.8	2.4	14.6	1050.5	50.3	579.3	76.7	220.8	140.5	228.5	247.4	2.2	10.8	1.4	359.1	390.8	344.4	14.7
SMDH 00026b	813472.70	8193743.55	160.44	2.0	3.0	40.0	4398.5	2.3	13.3	1058.4	62.3	545.3	72.1	207.7	132.2	215.0	232.8	2.0	9.8	1.3	346.5	386.1	328.9	17.6
SMDH 00026b	813472.70	8193743.55	160.44	3.0	4.0	85.0	6405.8	3.4	19.7	1495.0	84.2	857.3	105.9	305.0	194.1	315.6	341.8	3.1	15.0	1.3	527.2	579.4	502.3	24.9
SMDH 00026b	813472.70	8193743.55	160.44	4.0	5.0	80.0	4656.8	2.3	14.1	1149.3	73.1	672.3	75.5	217.6	138.5	225.2	243.8	2.0	10.5	1.2	480.7	525.3	457.9	22.8
SMDH 00026b	813472.70	8193743.55	160.44	5.0	6.0	80.0	4094.8	2.0	12.3	1072.1	56.6	550.2	60.9	175.4	111.7	181.6	196.6	1.8	9.3	1.0	464.4	499.7	447.5	16.9
SMDH 00026b	813472.70	8193743.55	160.44	6.0	7.0	95.0	5030.6	2.5	15.1	1256.0	81.4	833.8	84.3	242.7	154.5	251.2	272.0	2.1	11.4	1.2	566.1	617.4	542.2	23.9
SMDH 00026b	813472.70	8193743.55	160.44	7.0	8.0	50.0	5729.0	3.0	18.1	1325.4	81.1	741.6	94.5	272.2	173.3	281.8	305.1	2.6	13.9	1.2	556.6	607.6	532.7	23.9
SMDH 00026b	813472.70	8193743.55	160.44	8.0	9.0	50.0	4958.2	2.5	15.1	1233.6	67.7	716.0	77.9	224.5	142.9	232.3	251.6	2.2	11.5	1.1	543.2	586.5	524.2	19.1
SMDH 00026b	813472.70	8193743.55	160.44	9.0	10.0	80.0	5808.0	2.9	17.8	1431.5	96.8	739.1	98.5	283.6	180.5	293.5	317.8	2.6	13.6	1.3	641.8	702.7	612.4	29.4
SMDH 00026b	813472.70	8193743.55	160.44	10.0	11.0	75.0	5793.4	3.0	16.5	1581.6	69.8	886.7	95.8	276.0	175.7	285.7	309.3	2.6	12.2	1.3	610.1	654.1	589.9	20.2
SMDH 00026b	813472.70	8193743.55	160.44	11.0	11.5	50.0	6888.3	3.8	21.6	1409.1	56.6	1098.9	50.6	145.8	92.8	150.9	163.4	3.5	15.5	2.3	411.0	450.9	399.8	11.2
SMDH 00026	813544.04	8193747.52	160.98	0.0	1.0	35.0	3962.0	1.8	11.8	1021.7	61.0	768.7	67.4	194.2	123.6	200.9	217.6	1.6	9.1	0.9	536.3	576.1	519.3	17.0
SMDH 00026	813544.04	8193747.52	160.98	1.0	2.0	15.0	5360.0	2.9	14.4	1600.0	67.7	609.5	82.1	236.5	150.5	244.7	265.0	2.6	10.3	1.2	465.9	509.5	447.0	18.8
SMDH 00026	813544.04	8193747.52	160.98	2.0	3.0	45.0	6466.3	3.6	17.2	1944.4	74.7	773.8	94.6	272.5	173.5	282.1	305.4	3.2	12.3	1.3	491.0	537.5	468.2	22.8
SMDH 00026	813544.04	8193747.52	160.98	3.0	4.0	90.0	6575.8	3.7	16.9	2089.0	84.8	643.6	92.9	267.6	170.4	277.0	299.9	3.3	11.9	1.3	460.8	515.6	436.9	23.9
SMDH 00026	813544.04	8193747.52	160.98	4.0	5.0	95.0	6054.9	3.2	17.4	1636.7	90.9	748.2	90.8	261.4	166.4	270.6	293.0	2.9	12.9	1.2	525.8	584.0	499.8	26.0
SMDH 00026	813544.04	8193747.52	160.98	5.0	6.0	90.0	6388.2	3.4	18.0	1757.4	86.8	923.8	103.0	296.8	188.9	307.1	332.6	3.0	13.4	1.3	622.9	677.1	596.7	26.1
SMDH 00026	813544.04	8193747.52	160.98	6.0	7.0	90.0	6274.7	3.4	17.9	1740.2	68.6	728.6	102.1	294.0	187.1	304.3	329.5	3.0	13.2	1.3	586.6	629.7	566.7	19.9
SMDH 00026	813544.04	8193747.52	160.98	7.0	8.0	85.0	7286.8	3.8	21.8	1871.1	77.3	1008.4	131.9	380.0	241.9	393.3	425.9	3.3	16.5	1.5	798.6	844.5	773.6	25.1
SMDH 00026	813544.04	8193747.52	160.98	8.0	9.0	90.0	7207.8	3.8	20.9	1974.2	47.9	858.8	126.8	365.2	232.4	377.9	409.2	3.3	15.3	1.8	709.4	737.0	693.5	15.9
SMDH 00026	813544.04	8193747.52	160.98	9.0	10.0	95.0	7537.2	4.1	21.3	2187.6	69.1	694.4	113.4	326.7	208.0	338.2	366.2	3.6	15.8	1.5	684.4	726.1	662.3	22.1
SMDH 00026	813544.04	8193747.52	160.98	10.0	11.0	70.0	7859.8	4.1	24.4	1915.0	60.0	1092.4	126.8	365.2	232.4	377.9	409.2	3.6	18.8	1.5	824.0	859.6	804.8	19.2
SMDH 00026	813544.04	8193747.52	160.98	11.0	12.0	90.0	7626.8	3.9	23.2	1894.7	46.7	1047.5	146.1	420.7	267.8	435.4	471.4	3.5	17.5	1.8	800.0	827.1	785.1	14.8
SMDH 00025b	813597.81	8193746.62	162.03	0.0	1.0	45.0	4326.1	2.1	14.2	964.5	41.4	572.8	58.7	168.9	107.5	174.8	189.3	1.9	11.0	1.1	407.7	432.2	394.1	13.6
SMDH 00025b	813597.81	8193746.62	162.03	1.0	2.0	55.0	4691.4	2.3	16.1	946.4	49.9	471.3	77.6	223.6	142.3	231.4	250.6	2.1	12.6	1.2	466.8	496.9	451.1	15.8
SMDH 00025b	813597.81	8193746.62	162.03	2.0	3.0	85.0	4969.5	2.5	16.0	1199.3	43.4	520.1	75.7	218.0	138.8	225.6	244.3	2.2	12.4	1.1	539.9	565.8	526.3	13.6
SMDH 00025b	813597.81	8193746.62	162.03	3.0	4.0	90.0	5260.0	2.7	16.0	1338.5	46.7	594.9	84.9	244.5	155.7	253.1	274.0	2.4	12.0	1.3	480.0	509.5	467.5	12.5
SMDH 00025b	813597.81	8193746.62	162.03	4.0	5.0	85.0	4785.0	2.7	16.7	887.3	27.2	241.4	80.5	231.8	147.6	239.9	259.8	2.5	13.0	1.0	257.8	270.5	245.2	12.5
SMDH 00025b	813597.81	8193746.62	162.03	5.0	6.0	98.0	4404.8	2.3	13.4	1111.0	42.1	571.6	60.2	173.4	110.4	179.4	194.3	2.1	10.3	0.8	397.2	423.0	384.6	12.5
SMDH 00025b	813597.81	8193746.62	162.03	6.0	7.0	85.0	4410.1	2.2	12.9	1182.5	52.6	637.8	60.7	174.7	111.2	180.8	195.8	2.0	9.6	1.1	429.4	462.2	413.6	15.8
SMDH 00025b	813597.81	8193746.62	162.03	7.0	7.5	70.0	4218.5	2.2	12.5	1097.2	48.2	616.4	61.1	176.1	112.1	182.2	197.3	1.9	9.3	1.0	399.4	429.3	385.8	13.6
SMDH 00025	813653.73	8193749.48	163.19	0.0	1.0	20.0	2797.8	1.2	8.2	780.1	43.6	651.1	47.7	137.3	87.4	142.1	153.9	1.0	6.4	0.6	449.7	476.3	436.1	13.6
SMDH 00025	813653.73	8193749.48	163.19	1.0	2.0	35.0	2707.7	1.3	8.8	601.9	32.1	448.3	39.0	112.2	71.4	116.1	125.7	1.1	6.8	0.7	293.1	311.3	281.6	11.4
SMDH 00025	813653.73	8193749.48	163.19	2.0	3.0	90.0	3962.2	1.9	12.3	980.3	46.1	536.8	61.1	176.1	112.1	182.2	197.3	1.7	9.3	1.0	432.2	460.6	417.4	14.8
SMDH 00025	813653.73	8193749.48	163.19	3.0	4.0	95.0	4029.9	2.0	12.6	976.1	63.4	515.8	58.8	169.3	107.8	175.2	189.7	1.8	9.7	0.9	432.6	470.8	412.0	20.6
SMDH 00025	813653.73	8193749.48	163.19	4.0	5.0	98.0	3122.7	1.6	9.0	862.1	33.7	435.1	48.5	139.8	89.0	144.7	156.7	1.4	6.8	0.6	333.5	352.9	322.1	11.4
SMDH 00025	813653.73	8193749.48	163.19	5.0	6.0	85.0	3946.1	2.0	12.4	897.9	56.9	518.1	60.5	174.2	110.9	180.3	195.3	1.8	9.3	1.1	356.4	393.3	340.6	15.8
SMDH 00025	813653.73	8193749.48	163.19	6.0	7.0	90.0	3654.3	1.8	10.6	1014.0	60.4	391.0	52.0	149.7	95.3	154.9	167.8	1.6	7.8	1.0	383.0	421.1	365.1	17.9
SMDH 00025	813653.73	8193749.48	163.19	7.0	8.0	90.0	4250.2	2.2	12.7	1070.1	79.9	604.9	60.7	174.9	111.3	181.0	196.0	1.9	9.6	0.9	418.3	467.2	392.3	26.0
SMDH 00025	813653.73	8193749.48	163.19	8.0	9.0	98.0	4872.4	2.5	14.4	1269.6	64.3	648.6	80.5	231.9	147.6	240.0	259.9	2.2	10.7	1.3	484.2	524.0	464.0	20.2
SMDH 00025	813653.73	8193749.48	163.19	9.0	10.0	94.0	4173.0	2.1	12.4	1074.7	75.0	572.7	59.4	170.9	108.8	176.9	191.6	1.9	9.3	0.9	417.4	465.5	395.7	21.7
SMDH 00025	813653.73	8193749.48	163.19	10.0	11.0	95.0	6767.4	3.7	18.2	2036.7	77.2	805.6	94.1	270.9	172.4	280.3	303.6	3.3	13.2	1.3	536.7	584.6	514.0	22.7
SMDH 00025	813653.73	8193749.48	163.19	11.0	11.5	80.0	4840.1	2.4	14.7	1186.3	65.3	705.5	82.7	238.1	151.6	246.4	266.8	2.1	11.1	1.2	486.1	526.8	467.3	18.7
SMDH 00024b	813718.83	8193745.16	165.15	0.0	1.0	35.0	5460.0	2.3	16.3	1476.6	101.1	1218.9	74.2	213.6	136.0	221.1	239.4	1.9	12.9	1.1	898.1	960.7	867.7	30.4
SMDH 00024b	813718.83	8193745.16	165.15	1.0	2.0	45.0	4988.6	2.5	16.4	1040.0	35.5	701.9	88.7	255.5	162.7	264.4	286.4	2.3	12.5	1.3	463.7	485.1	453.3	10.4
SMDH 00024b	813718.83	8193745.16	165.15	2.0	3.0	40.0	5002.5	2.6	14.9	1332.1	32.1	435.9	87.3	251.3	160.0	260.1	281.7	2.3	10.9	1.4	448.6	466.7	438.2	10.4
SMDH 00024b	813718.83	8193745.16	165.15	3.0	4.0	65.0	3433.8	1.8	9.6	1031.6	20.2	209.7	51.1	147.3	93.8	152.4	165.1	1.6	6.6	1.2	288.4	300.0	283.0	5.4
SMDH 00024b	813718.83	8193745.16	165.15	4.0	5.0	50.0	4090.9	2.1	12.8	976.3	35.6	394.2	67.4	194.1	123.5	200.8	217.5	1.9	9.3	1.4	335.4	356.3	324.0	11.4
SMDH 00024b	813718.83	8193745.16	165.15	5.0	6.0	95.0	4869.9	2.5	15.5	1095.4	57.4	593.4	82.2	236.7	150.7	244.9	265.2	2.2	11.7	1.3	437.7	474.2	421.9	15.8
SMDH 00024b	813718.83	8193745.16	165.15	6.0	7.0	75.0	5183.1	2.8	18.3	821.9	60.6	607.6	94.3	271.5	172.8	281.0	304.3	2.6	14.3	1.2	302.0	342.7	286.3	15.8
SMDH 00024b	813718.83	8193745.16	165.15	7.0	8.0	50.0	6964.9	4.1	24.8	954.6	73.0	881.4	134.8	388.2	247.1	401.8	435.1	3.7	19.4	1.4	197.7	246.0	178.3	19.4
SMDH 00024b	813718.83	8193745.16	165.15	8.0	9.0	90.0	4726.4	2.5	15.8	903.9	59.3	606.7	79.6	229.2	145.9	237.2	256.9	2.3	12.1	1.2	317.6	356.8	301.9	15.8
SMDH 00024b	813718.83	8193745.16	165.15	9.0	10.0	85.0	4206.3	2.2	13.4	935.1	47.8	536.0	66.8	192.4	122.5	199.1	215.6	2.0	10.1	1.1	337.0	368.2	324.5	12.5
SMDH 00024b	813718.83	8193745.16	165.15	10.0	11.0	90.0	4756.8	2.6	15.8	891.3	69.5	544.5	84.2	242.4	154.3	250.9	271.7	2.3	11.9	1.4	286.1	330.9	266.3	19.8
SMDH 00024b	813718.83	8193745.16	165.15	11.0	12.0	98.0	5577.3	3.1	16.2	1445.6	57.2	676.3	90.4	260.4	165.8	269.5	291.9	2.7	12.0	1.2	401.4	438.1	385.6	15.8
SMDH 00024b	813718.83	8193745.16	165.15	12.0	13.0	95.0	6349.8	3.4	20.1	1420.6	66.9	760.8	124.0	357.0	227.3	369.5	400.1	3.0	15.5	1.3	542.4	584.9	524.0	18.4
SMDH 00024b	813718.83	8193745.16	165.15	13.0	14.0	98.0	6913.6	4.0	20.7	1269.6	23.4	1960.3	176.8	509.1	324.1	526.9	570.5	3.4	15.2	1.5	264.3	278.4	258.9	5.4
SMDH 00024b	813718.83	8193745.16	165.15	14.0	15.0	98.0	5701.3	2.9	17.2	1432.6	65.3	794.1	95.1	273.8	174.3	283.3	306.8	2.6	12.9	1.4	617.4	658.6	598.6	18.8
SMDH 00024	813771.96	8193745.93	166.97	0.0	1.0	95.0	4985.8	2.4	16.7	965.2	68.6	835.4	84.3	242.9	154.6	251.4	272.2	2.1	12.9	1.4	446.9	489.7	426.3	20.6
SMDH 00024	813771.96	8193745.93	166.97	1.0	2.0	60.0	4441.5	2.3	13.6	1079.1	63.2	464.4	67.4	194.2	123.6	201.0	217.7	2.1	9.9	1.3	356.4	397.3	338.7	17.7
SMDH 00024	813771.96	8193745.93	166.97	2.0	3.0	75.0	4501.5	2.3	14.4	971.6	69.4	604.5	72.2	207.9	132.4	215.2	233.0	2.0	10.7	1.3	389.5	434.0	370.0	19.5
SMDH 00024	813771.96	8193745.93	166.97	3.0	4.0	50.0	5885.4	3.2	16.5	1627.9	46.8	817.3	97.9	282.1	179.5	291.9	316.1	2.8	12.0	1.3	524.7	552.9	509.9	14.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00024	813771.96	8193745.93	166.97	4.0	5.0	80.0	5672.6	3.1	14.9	1760.0	41.3	707.5	90.3	260.1	165.5	269.2	291.5	2.7	10.6	1.2	512.3	537.3	499.6	12.6
SMDH 00024	813771.96	8193745.93	166.97	5.0	6.0	90.0	6587.5	3.6	19.5	1682.6	47.6	834.8	111.7	321.8	204.9	333.1	360.7	3.2	14.5	1.4	549.5	579.1	535.8	13.7
SMDH 00024	813771.96	8193745.93	166.97	6.0	7.0	95.0	5473.4	2.8	14.0	1868.0	37.3	591.8	70.5	203.0	129.2	210.1	227.5	2.5	9.9	1.2	646.7	668.6	635.2	11.6
SMDH 00024	813771.96	8193745.93	166.97	7.0	8.0	80.0	5838.7	3.2	15.1	1854.9	61.5	730.3	83.0	239.0	152.1	247.3	267.8	2.8	10.8	1.1	526.4	565.2	508.4	18.0
SMDH 00024	813771.96	8193745.93	166.97	8.0	9.0	90.0	6326.2	3.4	16.0	2101.9	55.9	689.6	83.0	239.0	152.1	247.3	267.8	3.1	11.3	1.3	597.9	633.4	582.0	15.9
SMDH 00023b	813838.98	8193749.85	168.33	0.0	1.0	40.0	5056.1	2.5	14.9	1377.4	43.4	790.1	72.6	209.0	133.0	216.3	234.2	2.2	11.3	1.1	558.4	584.2	544.7	13.7
SMDH 00023b	813838.98	8193749.85	168.33	1.0	2.0	35.0	5665.2	2.7	20.7	753.5	43.1	697.1	51.6	148.5	94.6	153.7	166.5	2.5	14.5	3.5	402.0	432.0	393.6	8.4
SMDH 00023b	813838.98	8193749.85	168.33	2.0	3.0	50.0	5552.7	3.0	17.5	1176.1	37.3	901.5	86.4	248.8	158.4	257.5	278.8	2.7	13.2	1.3	307.7	331.5	297.3	10.3
SMDH 00023b	813838.98	8193749.85	168.33	3.0	4.0	70.0	8117.8	4.9	18.2	3006.6	24.9	737.1	105.8	304.8	194.0	315.5	341.6	4.4	12.1	1.2	360.1	374.2	351.9	8.2
SMDH 00023b	813838.98	8193749.85	168.33	4.0	5.0	65.0	7144.7	4.0	16.2	2678.4	30.5	820.9	98.2	282.9	180.1	292.8	317.0	3.5	10.9	1.2	582.7	600.0	573.4	9.3
SMDH 00023b	813838.98	8193749.85	168.33	5.0	6.0	75.0	6768.9	3.9	17.0	2266.1	28.0	649.7	86.4	248.9	158.4	257.6	278.9	3.5	11.8	1.2	439.0	455.2	430.8	8.2
SMDH 00023b	813838.98	8193749.85	168.33	6.0	7.0	80.0	7950.0	4.5	18.8	2816.4	40.4	731.2	39.7	114.4	72.8	118.4	128.2	4.1	12.0	2.3	523.9	551.9	516.2	7.8
SMDH 00023b	813838.98	8193749.85	168.33	7.0	8.0	55.0	5990.3	3.2	16.3	1757.2	37.2	838.3	104.1	299.9	190.9	310.4	336.1	2.8	11.8	1.3	470.6	493.1	460.3	10.3
SMDH 00023b	813838.98	8193749.85	168.33	8.0	9.0	80.0	5665.0	3.1	16.4	1547.8	56.6	698.2	80.8	232.8	148.2	240.9	260.9	2.7	12.3	1.0	436.4	471.9	419.5	16.9
SMDH 00023b	813838.98	8193749.85	168.33	9.0	10.0	65.0	5035.2	2.6	15.5	1185.0	66.6	753.2	81.7	235.4	149.9	243.6	263.8	2.3	11.9	1.1	448.8	490.9	428.9	19.8
SMDH 00023b	813838.98	8193749.85	168.33	10.0	11.0	80.0	4918.1	2.6	13.2	1496.8	65.0	607.1	69.7	200.8	127.8	207.9	225.1	2.3	9.6	1.0	405.0	445.6	385.5	19.5
SMDH 00023b	813838.98	8193749.85	168.33	11.0	12.0	75.0	5422.6	3.0	15.0	1557.0	72.1	676.5	73.4	211.5	134.6	218.9	237.0	2.6	11.1	1.0	411.8	455.8	389.1	22.7
SMDH 00023	813896.47	8193745.05	168.89	0.0	1.0	15.0	7678.4	3.7	26.9	1409.0	61.7	1659.9	64.4	185.5	118.1	192.0	207.9	3.3	22.0	1.2	704.3	742.4	686.3	18.0
SMDH 00023	813896.47	8193745.05	168.89	1.0	2.0	20.0	6031.1	2.9	20.4	1147.7	45.0	1140.2	86.1	248.0	157.9	256.7	277.9	2.6	15.9	1.6	522.0	549.2	508.3	13.7
SMDH 00023	813896.47	8193745.05	168.89	2.0	3.0	30.0	4795.6	2.5	14.8	1181.8	35.4	590.7	76.0	218.9	139.3	226.5	245.3	2.2	11.2	1.1	449.8	470.1	438.4	11.4
SMDH 00023	813896.47	8193745.05	168.89	3.0	4.0	50.0	5619.3	2.8	17.6	1326.9	47.7	908.6	100.4	289.3	184.1	299.4	324.2	2.5	13.6	1.2	628.2	655.7	613.6	14.6
SMDH 00023	813896.47	8193745.05	168.89	4.0	5.0	30.0	4868.5	2.5	14.3	1244.4	25.6	862.3	90.5	260.7	165.9	269.8	292.1	2.2	10.6	1.2	510.1	524.7	502.8	7.4
SMDH 00023	813896.47	8193745.05	168.89	5.0	6.0	90.0	4901.6	2.5	14.7	1302.3	31.4	572.0	82.6	238.0	151.5	246.3	266.7	2.3	11.1	1.1	541.2	560.0	531.6	9.6
SMDH 00023	813896.47	8193745.05	168.89	6.0	7.0	98.0	4973.4	2.6	14.5	1427.6	30.9	454.0	84.6	243.6	155.1	252.1	273.0	2.3	10.7	1.2	591.3	607.9	579.8	11.5
SMDH 00023	813896.47	8193745.05	168.89	7.0	8.0	90.0	3651.1	2.0	11.7	801.0	19.8	416.0	63.1	181.8	115.7	188.1	203.7	1.8	8.8	0.9	282.1	293.2	275.8	6.3
SMDH 00023	813896.47	8193745.05	168.89	8.0	9.0	95.0	6183.6	3.3	18.1	1587.6	52.5	979.2	113.6	327.2	208.3	338.6	366.6	2.9	13.5	1.4	607.7	640.1	593.0	14.6
SMDH 00023	813896.47	8193745.05	168.89	9.0	10.0	94.0	4803.5	2.6	15.1	1113.8	25.1	494.7	86.2	248.3	158.1	257.0	278.3	2.4	11.4	1.1	360.1	373.5	350.8	9.3
SMDH 00023	813896.47	8193745.05	168.89	10.0	11.0	90.0	4858.7	2.5	14.6	1247.0	54.9	652.2	82.3	237.0	150.8	245.2	265.6	2.2	11.1	1.0	508.5	542.9	493.1	15.4
SMDH 00023	813896.47	8193745.05	168.89	11.0	12.0	95.0	5232.0	2.7	16.1	1251.2	46.3	784.2	91.9	264.8	168.6	274.0	296.8	2.4	12.3	1.1	481.8	510.1	468.3	13.5
SMDH 00023	813896.47	8193745.05	168.89	12.0	13.0	98.0	4615.8	2.4	14.0	1139.5	31.7	658.5	80.7	232.3	147.9	240.4	260.3	2.1	10.6	1.0	419.8	439.0	410.5	9.3
SMDH 00023	813896.47	8193745.05	168.89	13.0	14.0	90.0	5833.2	3.1	17.2	1519.2	40.0	741.6	105.1	302.7	192.7	313.3	339.3	2.8	12.8	1.3	483.9	508.2	472.4	11.4
SMDH 00022b	813953.79	8193744.08	169.45	0.0	1.0	20.0	7617.8	4.1	27.7	1255.3	77.7	876.8	32.7	94.0	59.9	97.3	105.4	3.8	22.0	1.6	731.8	786.9	716.8	14.9
SMDH 00022b	813953.79	8193744.08	169.45	1.0	2.0	45.0	4856.0	2.3	17.5	910.5	28.9	562.2	80.7	232.3	147.9	240.4	260.3	2.0	13.9	1.3	537.1	554.2	528.9	8.2
SMDH 00022b	813953.79	8193744.08	169.45	2.0	3.0	80.0	3204.7	1.6	8.7	1017.0	29.6	404.2	47.6	137.1	87.3	141.9	153.6	1.4	6.5	0.6	331.2	350.0	323.0	8.2
SMDH 00022b	813953.79	8193744.08	169.45	3.0	4.0	50.0	7856.6	4.2	21.5	2414.3	60.7	926.8	117.2	337.6	214.9	349.4	378.4	3.7	16.0	1.2	674.2	712.0	657.3	16.9
SMDH 00022b	813953.79	8193744.08	169.45	4.0	5.0	75.0	5676.9	2.9	16.2	1646.7	53.6	694.5	84.5	243.2	154.8	251.7	272.6	2.6	12.2	1.1	579.2	611.6	563.4	15.8
SMDH 00022b	813953.79	8193744.08	169.45	5.0	6.0	95.0	6532.7	3.4	17.8	2036.9	80.8	670.9	85.0	244.8	155.8	253.4	274.4	3.0	13.2	1.2	688.4	737.4	664.6	23.8
SMDH 00022b	813953.79	8193744.08	169.45	6.0	7.0	90.0	6762.5	3.6	19.4	1906.1	81.8	708.0	97.3	280.2	178.4	290.0	314.0	3.3	14.6	1.1	618.2	666.9	593.4	24.8
SMDH 00022b	813953.79	8193744.08	169.45	7.0	8.0	85.0	8878.0	4.0	25.2	2926.1	297.8	466.5	59.0	170.1	108.2	176.0	190.6	3.6	19.8	1.3	1519.9	1696.5	1422.1	97.8
SMDH 00022b	813953.79	8193744.08	169.45	8.0	9.0	95.0	7900.7	4.1	20.9	2620.1	117.9	655.2	87.5	251.9	160.4	260.7	282.3	3.7	15.4	1.3	872.4	942.9	835.7	36.7
SMDH 00022b	813953.79	8193744.08	169.45	9.0	10.0	95.0	6415.0	3.1	18.0	1936.0	149.8	802.0	66.4	191.3	121.8	197.9	214.4	2.7	13.9	1.1	865.3	956.3	819.0	46.3
SMDH 00022	814011.46	8193744.40	169.83	0.0	1.0	15.0	7532.1	3.4	28.5	1109.4	103.7	896.3	50.3	144.8	92.2	149.9	162.3	3.1	21.8	3.2	642.3	717.3	622.7	19.5
SMDH 00022	814011.46	8193744.40	169.83	1.0	2.0	25.0	7599.2	3.8	28.6	1075.9	105.1	630.3	65.2	187.9	119.6	194.5	210.6	3.6	22.0	2.8	583.9	660.0	564.1	19.8
SMDH 00022	814011.46	8193744.40	169.83	2.0	3.0	25.0	5603.4	2.6	19.3	1098.7	53.0	799.1	116.2	334.5	213.0	346.2	374.9	2.3	15.2	1.5	613.8	641.8	594.0	19.7
SMDH 00022	814011.46	8193744.40	169.83	3.0	4.0	25.0	6251.8	3.4	14.3	2311.5	60.2	697.1	85.0	244.9	155.9	253.4	274.4	3.0	9.8	1.1	518.6	556.5	501.6	16.9
SMDH 00022	814011.46	8193744.40	169.83	4.0	5.0	45.0	4000.1	2.2	7.9	1659.5	28.8	608.8	47.9	137.9	87.8	142.7	154.5	1.9	4.9	0.8	360.7	378.1	352.4	8.3
SMDH 00022	814011.46	8193744.40	169.83	5.0	6.0	90.0	4620.9	2.4	11.5	1568.3	53.4	650.8	66.0	190.0	120.9	196.6	212.9	2.1	8.3	0.8	519.1	552.5	503.3	15.9
SMDH 00022	814011.46	8193744.40	169.83	6.0	7.0	98.0	4081.0	2.1	9.9	1430.0	47.2	599.5	54.2	156.2	99.4	161.7	175.1	1.8	7.0	0.8	463.4	492.6	449.3	14.1
SMDH 00021b	814074.02	8193746.59	169.64	0.0	1.0	60.0	4874.9	2.3	18.3	701.9	37.3	921.9	82.8	238.6	151.9	246.9	267.3	2.0	14.9	1.0	433.6	456.3	422.5	11.1
SMDH 00021b	814074.02	8193746.59	169.64	1.0	2.0	55.0	4098.9	1.9	14.8	683.8	27.9	703.8	81.4	234.3	149.1	242.5	262.6	1.6	11.8	1.2	438.5	454.6	429.8	8.7
SMDH 00021b	814074.02	8193746.59	169.64	2.0	3.0	80.0	3103.0	1.4	10.8	584.9	24.7	569.1	63.3	182.2	116.0	188.6	204.2	1.2	8.5	0.9	377.0	390.8	368.9	8.1
SMDH 00021b	814074.02	8193746.59	169.64	3.0	4.0	95.0	3721.8	1.7	13.3	576.5	29.7	799.5	85.0	244.9	155.9	253.4	274.4	1.5	10.6	1.0	358.3	375.8	349.5	8.8
SMDH 00021b	814074.02	8193746.59	169.64	4.0	5.0	75.0	4489.0	2.0	14.3	1116.8	51.1	764.8	83.8	241.3	153.6	249.8	270.5	1.7	11.4	0.9	679.7	710.0	663.8	15.9
SMDH 00021b	814074.02	8193746.59	169.64	5.0	6.0	5.0	5270.9	2.6	12.7	1857.6	86.6	776.7	78.5	226.1	144.0	234.0	253.4	2.2	9.1	1.0	602.4	659.9	580.3	22.1
SMDH 00021b	814074.02	8193746.59	169.64	6.0	7.0	90.0	5646.2	2.7	15.9	1647.6	54.3	994.2	99.2	285.6	181.8	295.6	320.1	2.3	12.2	1.0	651.3	685.3	635.7	15.6
SMDH 00021b	814074.02	8193746.59	169.64	7.0	8.0	20.0	3976.1	1.7	11.5	1144.8	42.3	756.3	88.4	254.6	162.1	263.5	285.3	1.4	8.9	0.8	615.4	642.2	604.3	11.1
SMDH 00021b	814074.02	8193746.59	169.64	8.0	9.0	65.0	4860.7	2.3	15.2	1210.7	34.9	799.5	98.6	283.9	180.7	293.8	318.2	2.0	12.0	1.0	615.7	638.4	607.7	7.9
SMDH 00021b	814074.02	8193746.59	169.64	9.0	9.5	70.0	3596.3	1.8	8.4	1270.5	28.9	604.0	57.3	165.0	105.0	170.7	184.9	1.6	5.7	0.9	362.0	380.6	354.6	7.4
SMDH 00021	814134.34	8193753.08	168.86	0.0	1.0	20.0	6442.1	2.9	24.4	815.0	64.4	1050.9	51.3	147.8	94.1	152.9	165.6	2.7	18.4	3.1	474.8	520.6	462.0	12.8
SMDH 00021	814134.34	8193753.08	168.86	1.0	2.0	20.0	2417.2	1.2	7.2	518.9	32.3	570.7	49.7	143.2	91.2	148.2	160.5	1.0	5.1	1.0	252.9	274.0	245.1	7.9
SMDH 00021	814134.34	8193753.08	168.86	2.0	3.0	90.0	4144.9	2.4	12.7	771.1	27.0	910.4	95.1	273.8	174.3	283.4	306.9	2.1	9.3	0.9	246.3	264.3	239.8	6.5
SMDH 00021	814134.34	8193753.08	168.86	3.0	4.0	80.0	8177.5	4.8	17.3	3105.9	73.7	1022.1	104.4	300.7	191.4	311.2	337.0	4.3	11.3	1.2	784.0	830.7	763.3	20.7
SMDH 00021	814134.34	8193753.08	168.86	4.0	5.0	45.0	7601.0	4.9	15.9	2848.6	37.4	691.4	99.2	285.8	181.9	295.8	320.3	4.4	10.0	1.0	611.2	633.9	600.7	10.4
SMDH 00021	814134.34	8193753.08	168.86	5.0	6.0	95.0	5409.7	3.1	13.9	1647.9	21.5	682.8	94.0	270.8	172.4	280.3	303.5	2.8	9.6	1.2	540.5	552.6	534.7	5.8
SMDH 00021	814134.34	8193753.08	168.86	6.0	7.0	55.0	5814.2	3.2	14.7	1800.0	21.0	888.8	117.0	337.1	214.6	348.9	377.8	2.8	10.0	1.5	723.3	734.9	717.8	5.5
SMDH 00021	814134.34	8193753.08	168.86	7.0	8.0	95.0	5896.4	3.5	14.5	1901.6	32.6	582.6	92.0	265.0	168.7	274.3	297.0	3.2	9.6	1.4	446.7	467.3	438.3	8.4
SMDH 00020b	814191.03	8193755.35	167.85	0.0	1.0	35.0	2938.0	1.4	10.5	509.3	25.2	590.0	34.5	99.4	63.3	102.9	111.4	1.2	8.6	0.6	293.1	309.2	286.5	6.6
SMDH 00020b	814191.03	8193755.35	167.85	1.0	2.0	70.0	2634.9	1.1	9.0	515.2	32.6	349.5	49.2	141.6	90.1	146.6	158.7	1.0	6.7	1.2	301.5	323.1	293.7	7.9
SMDH 00020b	814191.03	8193755.35	167.85	2.0	3.0	80.0	3416.4	1.5	9.9	990.6	73.3	480.8	59.5	171.5	109.1	177.5	192.2	1.2	7.4	1.0	543.2	592.5	524.3	19.0
SMDH 00020b	814191.03	8193755.35	167.85	3.0	4.0	85.0	6040.3	3.6	12.4	2378.0	58.1	631.4	70.5	202.9	129.2	210.0	227.4	3.2	7.8	1.0	419.7	455.3	401.8	17.9
SMDH 00020b	814191.03	8193755.35	167.85	4.0	5.0	65.0	7617.8	4.2	15.8	3086.4	65.3	710.6	97.5	280.8	178.7	290.6	314.6	3.7	10.1	1.5	793.8	836.9	777.0	16.8
SMDH 00020b	814191.03	8193755.35	167.85	5.0	6.0	70.0	5756.8	3.7	9.5	2602.0	19.9	402.5	45.5	131.0	83.4	135.6	146.9	3.4	4.8	0.9	367.6	379.0	362.4	5.2
SMDH 00020	814253.86	8193751.09	166.64	0.0	1.0	30.0	3831.1	1.7	9.4	1167.1	40.6	1538.2	49.0	141.2	89.9	146.1	158.2	1.3	7.2	0.6	571.6	595.2	559.0	12.6
SMDH 00020	814253.86	8193751.09	166.64	1.0	2.0	45.0	3517.3	1.8	9.6	1032.4	19.0	491.7	60.1	173.1	110.2	179.1	194.0	1.6	6.8	1.0	426.2	436.7	420.6	5.5
SMDH 00020	814253.86	8193751.09	166.64	2.0	3.0	65.0	2865.3	1.5	7.1	949.7	13.8	398.6	50.3	144.8	92.2	149.9	162.3	1.3	4.7	0.9	351.2	358.4	347.2	4.0
SMDH 00020	814253.86	8193751.09	166.64	3.0	4.0	20.0	3850.2	2.6	6.9	1626.0	9.1	172.8	21.6	62.3	39.7	64.5	69.8	2.4	3.5	0.8	79.4	84.2	77.1	2.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00020	814253.86	8193751.09	166.64	4.0	5.0	35.0	5484.9	3.3	11.9	2084.9	30.8	471.2	64.4	185.4	118.0	191.8	207.7	3.0	7.6	0.9	439.4	456.2	428.8	10.6
SMDH 00020	814253.86	8193751.09	166.64	5.0	6.0	70.0	4577.6	2.5	11.8	1465.6	32.2	566.3	76.4	220.1	140.1	227.8	246.7	2.2	8.4	1.0	566.2	583.9	555.7	10.5
SMDH 00020	814253.86	8193751.09	166.64	6.0	7.0	95.0	3612.4	1.9	9.3	1150.0	16.5	557.1	65.1	187.5	119.4	194.1	210.2	1.6	6.7	0.8	485.0	493.7	480.5	4.5
SMDH 00020	814253.86	8193751.09	166.64	7.0	8.0	92.0	2449.4	1.2	7.4	571.5	14.7	427.2	45.5	131.0	83.4	135.6	146.9	1.1	5.3	0.8	230.9	239.0	226.5	4.4
SMDH 00019b	814314.35	8193749.78	165.44	0.0	1.0	5.0	4026.3	1.9	9.2	1554.7	19.5	655.2	55.8	160.8	102.3	166.4	180.2	1.6	6.4	0.9	688.2	698.2	682.4	5.8
SMDH 00019b	814314.35	8193749.78	165.44	1.0	2.0	40.0	2530.3	1.3	7.5	633.9	18.8	406.5	43.0	123.9	78.9	128.3	138.9	1.1	5.4	0.8	266.4	277.2	260.9	5.5
SMDH 00019b	814314.35	8193749.78	165.44	2.0	3.0	45.0	3246.0	1.8	10.1	754.5	33.0	376.8	45.5	130.9	83.3	135.5	146.7	1.6	7.6	0.8	257.4	277.3	248.0	9.4
SMDH 00019b	814314.35	8193749.78	165.44	3.0	4.0	35.0	4234.7	2.3	12.2	1026.6	39.5	892.2	64.8	186.5	118.7	193.1	209.1	2.0	8.9	1.0	336.5	359.3	323.9	12.6
SMDH 00019b	814314.35	8193749.78	165.44	4.0	5.0	70.0	3967.8	2.4	11.3	964.3	14.7	564.1	64.4	185.4	118.0	191.8	207.7	2.2	8.0	0.9	137.6	145.7	133.1	4.5
SMDH 00019b	814314.35	8193749.78	165.44	5.0	6.0	65.0	6052.8	3.3	17.1	1660.9	57.9	715.0	105.3	303.3	193.1	313.9	339.9	3.0	12.4	1.4	564.9	602.0	550.0	14.9
SMDH 00019b	814314.35	8193749.78	165.44	6.0	7.0	92.0	5687.6	3.1	16.6	1462.2	61.0	729.3	98.3	283.0	180.1	292.9	317.2	2.8	12.2	1.3	535.4	574.4	519.4	16.1
SMDH 00019b	814314.35	8193749.78	165.44	7.0	8.0	80.0	6625.6	3.7	18.5	1841.2	56.9	801.9	111.3	320.6	204.1	331.8	359.3	3.3	13.5	1.2	554.8	591.9	540.5	14.2
SMDH 00019b	814314.35	8193749.78	165.44	8.0	9.0	90.0	5660.4	3.0	17.1	1392.8	60.3	797.4	99.8	287.3	182.9	297.4	322.0	2.6	12.9	1.2	582.3	620.9	566.3	16.0
SMDH 00019b	814314.35	8193749.78	165.44	9.0	10.0	85.0	5538.8	3.0	15.7	1508.8	61.1	706.0	108.3	312.0	198.6	322.9	349.6	2.6	11.6	1.2	535.2	574.0	518.1	17.1
SMDH 00019b	814314.35	8193749.78	165.44	10.0	11.0	98.0	9600.7	6.4	22.8	3229.1	25.4	615.7	80.1	230.6	146.8	238.6	258.4	5.9	15.1	1.3	190.4	205.6	184.0	6.4
SMDH 00019b	814314.35	8193749.78	165.44	11.0	12.0	85.0	6901.8	4.1	23.1	1023.7	23.4	1276.6	181.9	524.0	333.5	542.3	587.2	3.7	17.6	1.3	219.8	234.2	213.7	6.1
SMDH 00019b	814314.35	8193749.78	165.44	12.0	13.0	90.0	6820.3	4.1	22.4	1079.6	15.0	1209.4	188.7	543.6	346.0	562.5	609.1	3.7	16.9	1.3	171.5	180.0	167.3	4.1
SMDH 00019b	814314.35	8193749.78	165.44	13.0	14.0	95.0	5152.7	2.8	15.7	1200.1	44.0	756.7	104.5	301.1	191.7	311.6	337.4	2.5	11.7	1.2	395.0	423.9	384.0	11.0
SMDH 00019	814379.43	8193749.11	164.16	0.0	1.0	30.0	5844.8	2.8	21.8	858.6	42.4	689.4	61.6	177.3	112.9	183.5	198.7	2.6	16.7	2.4	457.7	484.0	445.9	11.8
SMDH 00019	814379.43	8193749.11	164.16	1.0	2.0	40.0	4671.6	2.4	13.4	1276.6	41.6	560.3	82.7	238.1	151.6	246.5	266.9	2.1	9.5	1.5	491.2	517.9	480.5	10.7
SMDH 00019	814379.43	8193749.11	164.16	2.0	3.0	45.0	4635.1	2.8	13.5	1050.7	16.7	572.8	118.0	339.9	216.4	351.8	380.9	2.5	9.3	1.4	168.4	179.3	165.0	3.4
SMDH 00019	814379.43	8193749.11	164.16	3.0	4.0	40.0	4621.5	2.8	14.8	797.2	17.8	651.2	118.3	340.8	216.9	352.7	381.9	2.5	10.8	1.2	80.3	91.6	76.3	3.9
SMDH 00019	814379.43	8193749.11	164.16	4.0	5.0	70.0	5626.7	3.3	13.1	1919.5	32.1	582.3	94.2	271.2	172.6	280.7	303.9	3.0	8.6	1.2	312.4	334.3	305.8	6.6
SMDH 00019	814379.43	8193749.11	164.16	5.0	6.0	98.0	5827.9	3.3	14.2	1944.9	52.3	561.4	96.4	277.6	176.7	287.3	311.1	3.0	9.7	1.2	428.8	466.0	418.6	10.2
SMDH 00019	814379.43	8193749.11	164.16	6.0	7.0	95.0	5283.8	2.8	13.9	1563.2	64.7	769.0	100.5	289.5	184.3	299.6	324.4	2.5	9.9	1.2	495.6	541.1	482.5	13.2
SMDH 00019	814379.43	8193749.11	164.16	7.0	8.0	85.0	4812.6	2.6	12.1	1543.9	55.1	598.0	93.5	269.4	171.5	278.8	301.9	2.3	8.4	1.0	435.0	473.8	423.9	11.1
SMDH 00019	814379.43	8193749.11	164.16	8.0	8.5	50.0	4811.0	2.6	12.9	1448.9	51.0	565.4	91.9	264.8	168.6	274.0	296.8	2.3	9.3	1.0	457.5	493.0	446.9	10.6
SMDH 00018b	814436.46	8193745.87	162.76	0.0	1.0	40.0	4471.9	2.2	13.7	1089.2	50.1	779.4	82.4	237.3	151.1	245.6	266.0	1.9	10.5	1.0	465.0	499.8	454.3	10.7
SMDH 00018b	814436.46	8193745.87	162.76	1.0	2.0	25.0	5844.5	2.6	17.6	1580.6	54.8	1046.7	99.4	286.3	182.3	296.3	320.9	2.2	13.7	1.4	960.2	991.6	942.4	17.8
SMDH 00018b	814436.46	8193745.87	162.76	2.0	3.0	45.0	5241.0	2.4	16.2	1325.8	46.5	848.4	98.8	284.7	181.2	294.6	319.0	2.1	12.5	1.3	695.6	722.4	680.4	15.2
SMDH 00018b	814436.46	8193745.87	162.76	3.0	4.0	45.0	6231.3	3.3	16.6	1924.7	52.5	858.6	83.0	239.1	152.2	247.5	268.0	2.9	12.1	1.1	577.6	607.6	560.3	17.3
SMDH 00018b	814436.46	8193745.87	162.76	4.0	5.0	40.0	5702.7	3.0	16.9	1502.9	56.2	788.3	80.4	231.7	147.5	239.8	259.7	2.6	12.8	1.1	597.3	630.4	579.5	17.8
SMDH 00018b	814436.46	8193745.87	162.76	5.0	6.0	90.0	5116.3	2.7	14.3	1472.0	48.4	771.0	71.0	204.4	130.1	211.5	229.1	2.4	10.7	0.9	544.5	572.3	528.4	16.1
SMDH 00018b	814436.46	8193745.87	162.76	6.0	7.0	90.0	4513.7	2.3	14.2	1001.6	34.8	799.6	71.5	206.0	131.2	213.2	230.9	2.1	10.9	1.0	366.8	387.5	356.2	10.6
SMDH 00018b	814436.46	8193745.87	162.76	7.0	8.0	30.0	6534.4	3.6	16.1	2204.1	60.3	776.8	72.7	209.4	133.3	216.7	234.6	3.2	11.2	1.3	535.8	572.5	517.2	18.6
SMDH 00018b	814436.46	8193745.87	162.76	8.0	9.0	98.0	7737.7	4.4	19.4	2574.7	59.2	897.0	83.0	239.1	152.2	247.5	268.0	3.9	13.9	1.2	509.9	545.9	492.1	17.8
SMDH 00018b	814436.46	8193745.87	162.76	9.0	10.0	80.0	5129.2	2.7	14.6	1488.5	52.8	577.8	69.8	201.1	128.0	208.1	225.4	2.4	11.0	1.0	488.1	520.4	471.9	16.2
SMDH 00018b	814436.46	8193745.87	162.76	10.0	11.0	80.0	5162.0	2.8	15.0	1318.0	62.9	782.4	82.6	237.9	151.4	246.2	266.6	2.5	11.0	1.2	310.7	355.9	298.1	12.6
SMDH 00018b	814436.46	8193745.87	162.76	11.0	12.0	75.0	7676.7	4.4	20.0	2267.2	59.3	1147.4	132.9	382.8	243.7	396.1	429.0	3.9	14.4	1.2	326.3	368.1	313.7	12.5
SMDH 00018b	814436.46	8193745.87	162.76	12.0	13.0	80.0	5423.0	3.1	15.4	1398.0	37.3	880.5	100.0	288.1	183.4	298.1	322.9	2.7	11.5	0.9	295.8	322.2	288.7	7.1
SMDH 00018	814488.70	8193739.79	162.30	0.0	1.0	60.0	3335.4	1.6	9.7	790.0	49.7	978.4	58.0	167.0	106.3	172.8	187.1	1.4	7.5	0.6	319.8	355.9	310.3	9.5
SMDH 00018	814488.70	8193739.79	162.30	1.0	2.0	30.0	2973.2	1.4	9.0	635.4	40.0	936.6	53.7	154.7	98.5	160.1	173.4	1.2	6.9	0.6	296.7	325.4	289.0	7.7
SMDH 00018	814488.70	8193739.79	162.30	2.0	3.0	40.0	2873.8	1.5	9.0	578.6	33.9	505.2	54.4	156.8	99.8	162.2	175.7	1.4	6.6	0.9	173.0	197.8	167.0	6.0
SMDH 00018	814488.70	8193739.79	162.30	3.0	4.0	75.0	8461.0	5.0	23.3	2254.2	46.8	1182.8	119.1	343.1	218.4	355.0	384.5	4.5	16.5	1.8	420.1	451.4	409.9	10.1
SMDH 00018	814488.70	8193739.79	162.30	4.0	5.0	90.0	6866.8	4.1	18.9	1817.9	70.4	922.4	79.9	230.0	146.4	238.1	257.8	3.7	13.4	1.3	307.1	356.6	291.9	15.1
SMDH 00018	814488.70	8193739.79	162.30	5.0	6.0	98.0	6576.4	3.9	19.5	1529.0	46.7	829.6	88.7	255.5	162.7	264.4	286.4	3.6	14.2	1.4	298.1	330.7	288.1	9.9
SMDH 00018	814488.70	8193739.79	162.30	6.0	7.0	90.0	7176.6	4.2	21.9	1582.8	87.7	978.6	102.0	293.8	187.0	304.1	329.3	3.8	16.3	1.4	379.3	438.7	359.1	20.2
SMDH 00018	814488.70	8193739.79	162.30	7.0	8.0	85.0	7700.7	4.4	23.0	1802.8	116.9	1036.6	96.5	277.9	176.9	287.6	311.4	4.0	17.1	1.5	473.6	553.7	447.3	26.3
SMDH 00018	814488.70	8193739.79	162.30	8.0	9.0	95.0	7497.7	4.4	22.8	1674.9	78.3	920.9	111.4	320.7	204.2	331.9	359.4	4.0	16.9	1.6	383.3	436.2	365.0	18.3
SMDH 00222	814559.67	8193381.40	161.51	0.0	1.0	40.0	5093.1	2.3	16.5	1028.6	55.2	1259.4	88.9	255.9	162.9	264.9	286.8	2.0	12.8	1.4	589.0	625.0	575.5	13.5
SMDH 00222	814559.67	8193381.40	161.51	1.0	2.0	45.0	4825.7	2.4	15.2	1032.4	37.5	1006.7	89.4	257.5	163.9	266.5	288.5	2.1	11.6	1.2	507.9	529.6	496.0	12.0
SMDH 00222	814559.67	8193381.40	161.51	2.0	3.0	40.0	5999.2	3.4	14.8	1935.2	57.3	833.9	72.0	207.5	132.1	214.7	232.5	3.1	10.3	1.0	511.0	544.8	493.5	17.5
SMDH 00222	814559.67	8193381.40	161.51	3.0	4.0	75.0	5490.3	2.9	15.4	1398.2	42.3	1248.1	96.8	278.8	177.4	288.5	312.4	2.5	11.4	1.2	580.5	605.2	567.7	12.9
SMDH 00222	814559.67	8193381.40	161.51	4.0	5.0	65.0	4673.5	2.7	12.6	1261.5	19.2	863.6	85.7	246.8	157.1	255.4	276.6	2.4	9.0	0.9	431.7	441.6	425.9	5.8
SMDH 00222	814559.67	8193381.40	161.51	5.0	6.0	75.0	6949.9	4.2	23.7	1199.7	42.4	763.0	126.3	363.9	231.6	376.6	407.8	3.9	18.6	0.8	384.8	409.5	370.7	14.1
SMDH 00222	814559.67	8193381.40	161.51	6.0	7.0	50.0	9223.9	6.9	29.8	1392.3	73.6	455.1	239.0	688.4	438.2	712.4	771.4	6.4	22.0	0.9	198.2	243.9	175.2	23.0
SMDH 00222	814559.67	8193381.40	161.51	7.0	8.0	50.0	4785.0	2.9	16.2	800.6	33.9	588.0	107.9	310.7	197.8	321.5	348.2	2.6	12.6	0.8	208.8	229.3	198.6	10.2
SMDH 00222	814559.67	8193381.40	161.51	8.0	9.0	55.0	3457.8	2.0	10.6	583.0	32.6	966.6	64.6	186.2	118.5	192.7	208.7	1.8	7.7	0.8	115.1	134.5	105.0	10.1
SMDH 00223	814430.15	8193385.81	163.33	0.0	1.0	5.0	6215.0	2.3	14.9	1996.8	97.1	2725.7	96.4	277.7	176.8	287.4	311.2	1.7	11.5	1.0	1250.3	1307.1	1219.9	30.3
SMDH 00223	814430.15	8193385.81	163.33	1.0	2.0	48.0	4084.4	2.4	10.6	1138.0	34.4	680.5	57.6	165.9	105.6	171.6	185.9	2.2	7.2	0.9	224.0	248.5	216.8	7.3
SMDH 00223	814430.15	8193385.81	163.33	2.0	3.0	40.0	8134.2	5.7	14.4	3290.3	36.4	738.5	78.8	227.0	144.5	235.0	254.4	5.2	7.7	1.1	330.1	353.5	321.0	9.0
SMDH 00223	814430.15	8193385.81	163.33	3.0	4.0	45.0	4161.6	2.5	10.0	1303.8	41.0	587.7	46.2	132.9	84.6	137.6	149.0	2.3	6.6	0.9	273.7	301.6	263.8	9.9
SMDH 00223	814430.15	8193385.81	163.33	4.0	5.0	70.0	4505.2	2.7	11.7	1226.5	57.8	822.9	73.1	210.5	134.0	217.9	235.9	2.4	8.2	0.8	353.0	393.4	339.8	13.2
SMDH 00223	814430.15	8193385.81	163.33	5.0	6.0	40.0	5087.4	3.2	12.0	1599.5	52.1	676.1	69.4	200.0	127.3	206.9	224.1	2.9	7.9	0.9	320.6	356.1	307.8	12.8
SMDH 00223	814430.15	8193385.81	163.33	6.0	7.0	40.0	6123.1	4.0	14.3	1878.1	32.3	1003.9	95.6	275.3	175.2	284.9	308.5	3.6	9.4	0.9	298.8	320.4	291.4	7.4
SMDH 00223	814430.15	8193385.81	163.33	7.0	8.0	45.0	4366.4	2.4	12.7	1027.7	57.4	823.6	73.1	210.5	134.0	217.9	235.9	2.1	9.4	0.9	351.9	391.7	338.5	13.4
SMDH 00223	814430.15	8193385.81	163.33	8.0	9.0	90.0	5244.5	2.9	14.7	1291.5	64.6	1039.4	99.7	287.0	182.7	297.0	321.7	2.5	10.7	1.2	421.8	466.5	407.0	14.8
SMDH 00224	814315.91	8193379.83	163.45	0.0	1.0	20.0	2455.6	1.1	8.3	440.8	18.0	585.6	47.1	135.7	86.4	140.4	152.1	1.0	6.4	0.7	239.9	250.1	234.1	5.8
SMDH 00224	814315.91	8193379.83	163.45	1.0	2.0	30.0	6674.5	4.7	12.6	2674.4	21.2	252.8	64.0	184.4	117.4	190.8	206.6	4.3	6.8	1.1	171.5	184.2	165.5	6.0
SMDH 00224	814315.91	8193379.83	163.45	2.0	3.0	70.0	5869.6	3.9	14.3	1738.7	20.0	752.5	80.2	231.1	147.1	239.2	259.0	3.5	9.4	1.1	145.7	157.7	140.1	5.6
SMDH 00224	814315.91	8193379.83	163.45	3.0	4.0	30.0	8408.4	6.3	15.2	3213.5	27.2	751.3	73.8	212.4	135.2	219.8	238.1	5.8	8.1	0.9	133.6	149.7	125.6	8.0
SMDH 00224	814315.91	8193379.83	163.45	4.0	5.0	70.0	5221.0	3.6	10.8	1804.1	10.4	752.6	69.9	201.2	128.1	208.2	225.5	3.3	6.6	0.6	80.3	85.7	76.7	3.5
SMDH 00224	814315.91	8193379.83	163.45	5.0	6.0	65.0	5709.1	3.9	12.4	1883.4	12.1	814.8	77.3	222.7	141.8	230.5	249.6	3.5	7.8	0.8	83.9	90.5	80.0	3.9
SMDH 00224	814315.91	8193379.83	163.45	6.0	7.0	60.0	5039.3	3.0	15.0	1089.6	40.9	860.7	92.6	266.7	169.8	276.0	298.9	2.7	11.0	0.9	114.7	141.1	103.4	11.3
SMDH 00224	814315.91	8193379.83	163.45	7.0	8.0	65.0	5327.8	3.4	14.5	1344.4	46.5	812.4	79.3	228.3	145.3	236.3	255.9	3.1	10.3	0.8	134.0	163.5	120.5	13.5
SMDH 00224	814315.91	8193379.83	163.45	8.0	9.0	85.0	5337.4	3.3	14.9	1324.7	28.7	825.8	83.8	241.4	153.7	249.8	270.5	3.0	10.5	1.1	97.5	115.9	89.8	7.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00224	814315.91	8193379.83	163.45	9.0	10.0	95.0	4441.3	2.6	12.2	997.8	21.0	1195.0	100.3	289.0	183.9	299.1	323.8	2.3	8.7	0.9	69.2	80.5	61.4	7.7
SMDH 00225	814195.50	8193380.41	162.54	0.0	1.0	4.0	4855.7	2.4	12.6	1415.9	53.2	1240.3	81.6	235.0	149.6	243.2	263.3	2.1	9.3	0.9	541.4	570.5	521.6	19.8
SMDH 00225	814195.50	8193380.41	162.54	1.0	2.0	45.0	5097.6	2.8	12.2	1682.6	43.7	981.1	81.6	235.0	149.6	243.2	263.3	2.4	8.5	0.9	488.5	512.4	472.7	15.8
SMDH 00225	814195.50	8193380.41	162.54	2.0	3.0	35.0	40380.6	16.7	39.5	27478.8	396.8	2060.9	432.9	1246.8	793.7	1290.3	1397.3	13.2	22.0	0.8	19130.2	19297.9	18966.6	163.6
SMDH 00225	814195.50	8193380.41	162.54	3.0	4.0	50.0	5409.8	2.9	13.6	1635.7	44.3	1219.9	108.8	313.3	199.4	324.2	351.1	2.4	9.9	0.9	644.0	668.2	628.8	15.2
SMDH 00225	814195.50	8193380.41	162.54	4.0	5.0	60.0	5382.4	2.8	14.9	1459.5	62.9	1144.4	109.3	314.9	200.4	325.9	352.9	2.4	11.2	0.9	638.6	670.8	613.6	25.0
SMDH 00225	814195.50	8193380.41	162.54	5.0	6.0	70.0	5448.1	2.8	14.0	1638.5	64.5	1166.3	110.7	318.8	202.9	329.9	357.2	2.4	10.3	0.9	690.4	725.8	667.5	22.9
SMDH 00225	814195.50	8193380.41	162.54	6.0	7.0	65.0	4855.8	2.5	12.6	1455.1	42.4	1017.0	97.4	280.4	178.5	290.2	314.2	2.1	9.2	0.9	591.0	613.1	574.9	16.1
SMDH 00225	814195.50	8193380.41	162.54	7.0	8.0	80.0	4510.1	2.2	12.6	1202.4	48.7	1136.7	100.6	289.8	184.5	299.9	324.8	1.8	9.6	0.8	606.1	632.8	588.8	17.3
SMDH 00225	814195.50	8193380.41	162.54	8.0	9.0	75.0	6582.4	3.5	18.8	1599.5	73.0	1579.1	110.7	318.8	202.9	330.0	357.3	3.0	14.1	1.2	661.9	703.0	635.3	26.6
SMDH 00225	814195.50	8193380.41	162.54	9.0	10.0	85.0	6645.3	3.5	19.0	1605.5	53.6	1638.5	126.0	362.9	231.0	375.5	406.7	3.0	14.2	1.3	717.0	746.0	696.8	20.2
SMDH 00225	814195.50	8193380.41	162.54	10.0	11.0	40.0	7049.4	3.8	19.2	1774.4	56.5	1940.9	125.4	361.1	229.9	373.7	404.7	3.3	14.2	1.1	649.1	680.4	628.4	20.7
SMDH 00225	814195.50	8193380.41	162.54	11.0	12.0	35.0	6703.9	3.6	19.7	1425.9	59.3	1857.0	126.3	363.7	231.5	376.4	407.6	3.1	14.9	1.2	568.8	599.9	546.1	22.8
SMDH 00226	814078.97	8193389.55	162.94	0.0	1.0	45.0	5154.3	2.3	12.8	1620.9	62.6	1711.1	80.6	232.0	147.7	240.1	260.0	1.9	9.8	0.7	833.2	869.3	811.9	21.3
SMDH 00226	814078.97	8193389.55	162.94	1.0	2.0	50.0	4600.5	2.0	14.3	1064.4	57.3	1124.0	87.5	252.0	160.4	260.8	282.4	1.7	11.1	1.3	653.3	688.0	635.1	18.2
SMDH 00226	814078.97	8193389.55	162.94	2.0	3.0	60.0	5159.1	2.5	14.7	1447.5	60.3	887.7	86.7	249.7	159.0	258.4	279.9	2.2	11.0	1.2	564.2	601.7	546.1	18.1
SMDH 00226	814078.97	8193389.55	162.94	3.0	4.0	80.0	4975.3	2.8	10.2	1997.0	40.6	669.8	56.7	163.3	104.0	169.0	183.0	2.5	6.6	0.7	394.1	418.4	381.0	13.1
SMDH 00226	814078.97	8193389.55	162.94	4.0	5.0	60.0	6844.2	4.0	12.2	2978.5	50.6	1020.5	70.8	203.9	129.8	211.0	228.5	3.5	7.4	0.9	486.6	517.9	471.4	15.2
SMDH 00226	814078.97	8193389.55	162.94	5.0	6.0	80.0	8139.5	5.0	12.9	3777.0	41.6	1008.3	70.0	201.7	128.4	208.8	226.1	4.5	7.1	0.8	447.6	473.1	435.2	12.4
SMDH 00226	814078.97	8193389.55	162.94	6.0	7.0	95.0	5220.8	2.7	13.3	1630.2	44.2	1156.8	79.3	228.3	145.3	236.3	255.9	2.3	9.7	0.9	534.3	561.5	521.2	13.1
SMDH 00226	814078.97	8193389.55	162.94	7.0	8.0	80.0	4871.4	2.5	12.2	1593.6	49.6	824.0	75.7	218.0	138.8	225.6	244.3	2.2	8.9	0.8	512.8	543.6	497.4	15.4
SMDH 00226	814078.97	8193389.55	162.94	8.0	9.0	98.0	4621.1	2.3	12.6	1303.3	64.2	886.3	73.2	211.0	134.3	218.3	236.4	2.0	9.1	1.1	483.8	523.3	463.6	20.3
SMDH 00226	814078.97	8193389.55	162.94	9.0	10.0	95.0	4659.1	2.4	13.0	1287.3	98.2	689.8	77.2	222.2	141.5	230.0	249.1	2.1	9.4	1.2	455.8	527.0	435.1	20.7
SMDH 00226	814078.97	8193389.55	162.94	10.0	11.0	85.0	4956.4	2.6	14.0	1356.5	79.6	685.0	81.8	235.5	149.9	243.8	264.0	2.3	10.2	1.2	453.2	509.9	436.1	17.1
SMDH 00226	814078.97	8193389.55	162.94	11.0	12.0	95.0	5102.7	2.6	14.2	1452.5	91.2	718.5	87.0	250.6	159.5	259.3	280.8	2.3	10.4	1.2	529.2	594.4	509.5	19.7
SMDH 00226	814078.97	8193389.55	162.94	12.0	13.0	98.0	4542.4	2.5	12.4	1262.2	30.4	574.8	76.5	220.5	140.3	228.2	247.1	2.2	8.4	1.5	232.4	252.8	225.6	6.8
SMDH 00227	813960.12	8193380.41	163.81	0.0	1.0	10.0	4371.0	1.9	14.4	1086.1	55.6	406.6	59.0	169.8	108.1	175.7	190.3	1.7	11.2	1.2	683.6	718.3	668.4	15.3
SMDH 00227	813960.12	8193380.41	163.81	1.0	2.0	35.0	3986.8	2.3	10.2	1252.4	31.1	430.4	59.6	171.8	109.3	177.8	192.5	2.0	7.0	0.9	281.9	302.8	274.6	7.3
SMDH 00227	813960.12	8193380.41	163.81	2.0	3.0	50.0	6688.5	4.6	12.4	2692.6	32.6	486.9	53.8	155.0	98.7	160.4	173.7	4.2	6.9	0.9	217.6	239.4	210.1	7.5
SMDH 00227	813960.12	8193380.41	163.81	3.0	4.0	50.0	4252.1	2.6	8.9	1603.5	20.9	484.3	47.3	136.4	86.8	141.1	152.8	2.4	5.6	0.7	308.8	322.3	303.6	5.3
SMDH 00227	813960.12	8193380.41	163.81	4.0	5.0	60.0	6121.7	4.0	10.8	2583.4	31.5	641.7	44.6	128.4	81.7	132.9	143.9	3.6	6.1	0.7	386.1	407.3	379.2	6.9
SMDH 00227	813960.12	8193380.41	163.81	5.0	6.0	55.0	7888.4	4.8	14.5	3463.4	39.9	598.9	67.0	192.9	122.8	199.7	216.2	4.3	8.8	0.9	637.9	659.0	622.9	15.0
SMDH 00227	813960.12	8193380.41	163.81	6.0	7.0	60.0	4949.2	2.7	11.6	1805.4	24.1	658.3	57.5	165.5	105.3	171.3	185.5	2.4	8.1	0.8	519.8	532.2	510.7	9.1
SMDH 00227	813960.12	8193380.41	163.81	7.0	8.0	95.0	5316.5	2.7	13.4	1810.5	48.8	695.0	82.1	236.4	150.5	244.7	265.0	2.4	9.7	1.0	667.5	694.2	649.5	17.9
SMDH 00227	813960.12	8193380.41	163.81	8.0	9.0	98.0	5360.9	2.8	12.9	1987.6	56.6	528.7	64.0	184.4	117.4	190.9	206.7	2.5	9.3	0.8	654.8	685.4	633.2	21.6
SMDH 00227	813960.12	8193380.41	163.81	9.0	10.0	98.0	3753.4	1.8	9.6	1269.8	44.7	483.0	52.2	150.4	95.7	155.6	168.5	1.6	6.9	0.9	475.5	500.0	459.5	16.0
SMDH 00228	813841.20	8193385.80	165.29	0.0	1.0	18.0	6355.9	2.8	19.9	1698.9	82.2	616.3	75.3	216.7	138.0	224.3	242.9	2.5	15.0	2.1	949.7	1000.2	926.4	23.3
SMDH 00228	813841.20	8193385.80	165.29	1.0	2.0	50.0	4579.8	2.3	13.7	1036.0	45.3	953.5	114.3	329.1	209.5	340.6	368.8	1.9	10.0	1.5	446.6	472.2	430.5	16.1
SMDH 00228	813841.20	8193385.80	165.29	2.0	3.0	30.0	6330.9	4.1	13.4	2160.6	23.4	954.8	95.9	276.2	175.8	285.8	309.5	3.7	8.0	1.3	119.2	132.2	111.5	7.7
SMDH 00228	813841.20	8193385.80	165.29	3.0	4.0	50.0	5347.3	3.3	10.8	2095.2	40.7	519.6	55.2	158.9	101.1	164.4	178.1	3.0	6.6	0.9	321.7	345.5	308.0	13.7
SMDH 00228	813841.20	8193385.80	165.29	4.0	5.0	99.0	4827.8	2.7	11.6	1643.1	44.2	581.0	75.5	217.5	138.5	225.1	243.8	2.4	7.9	0.9	432.0	456.2	415.3	16.7
SMDH 00228	813841.20	8193385.80	165.29	5.0	6.0	98.0	3532.8	2.1	8.9	1022.2	12.2	534.3	62.8	180.9	115.1	187.2	202.7	1.9	5.8	1.0	98.8	105.5	94.5	4.2
SMDH 00228	813841.20	8193385.80	165.29	6.0	6.5	90.0	3967.0	2.4	11.1	988.5	10.9	590.6	62.8	180.9	115.1	187.2	202.7	2.1	7.7	1.1	85.4	92.1	82.8	2.6
SMDH 00229	813721.69	8193384.14	168.11	0.0	1.0	25.0	3684.0	1.6	11.4	896.8	32.5	799.4	68.1	196.2	124.9	203.1	219.9	1.4	8.8	0.9	487.8	507.4	477.8	10.0
SMDH 00229	813721.69	8193384.14	168.11	1.0	2.0	30.0	6667.7	3.1	20.4	1679.1	59.3	1178.7	128.1	368.8	234.8	381.7	413.3	2.7	15.6	1.7	951.7	989.0	934.8	16.8
SMDH 00229	813721.69	8193384.14	168.11	2.0	3.0	70.0	3189.2	1.6	10.4	633.8	14.9	461.0	79.4	228.7	145.6	236.7	256.3	1.4	7.6	1.1	235.5	244.2	231.4	4.1
SMDH 00229	813721.69	8193384.14	168.11	3.0	4.0	75.0	4442.8	2.6	14.5	769.2	15.1	681.6	94.4	271.9	173.1	281.4	304.7	2.3	10.5	1.4	131.3	140.0	127.1	4.2
SMDH 00229	813721.69	8193384.14	168.11	4.0	5.0	50.0	3511.1	2.0	11.0	642.4	9.8	730.2	64.0	184.4	117.4	190.9	206.7	1.8	7.9	1.0	110.6	115.9	107.6	3.0
SMDH 00229	813721.69	8193384.14	168.11	5.0	6.0	70.0	3189.8	1.9	9.9	628.4	9.0	472.3	52.9	152.5	97.1	157.8	170.9	1.7	7.1	0.9	53.6	59.0	51.5	2.1
SMDH 00229	813721.69	8193384.14	168.11	6.0	7.0	50.0	4178.3	2.5	11.4	1131.2	10.7	571.1	63.2	182.1	115.9	188.4	204.0	2.2	7.9	1.0	149.1	154.6	145.5	3.6
SMDH 00229	813721.69	8193384.14	168.11	7.0	8.0	95.0	4402.6	2.5	11.9	1204.1	15.8	563.2	74.5	214.6	136.6	222.1	240.5	2.3	8.1	1.3	235.1	243.2	230.1	5.1
SMDH 00229	813721.69	8193384.14	168.11	8.0	9.0	95.0	6057.3	3.4	14.5	2098.4	35.4	731.6	91.0	262.2	166.9	271.4	293.8	3.0	10.0	1.1	584.3	605.3	573.8	10.5
SMDH 00229	813721.69	8193384.14	168.11	9.0	10.0	95.0	5857.2	3.4	13.2	2125.6	30.7	657.7	74.2	213.8	136.1	221.3	239.6	3.1	8.7	1.0	405.0	423.1	395.8	9.2
SMDH 00229	813721.69	8193384.14	168.11	10.0	11.0	92.0	4627.7	2.3	11.2	1652.4	47.0	619.4	88.6	255.2	162.5	264.1	286.0	1.9	7.8	1.1	633.8	662.7	620.1	13.8
SMDH 00229	813721.69	8193384.14	168.11	11.0	12.0	85.0	5119.0	2.6	13.7	1566.9	57.2	750.1	98.5	283.8	180.7	293.7	318.1	2.2	10.1	1.1	621.2	657.1	605.0	16.2
SMDH 00229	813721.69	8193384.14	168.11	12.0	13.0	95.0	6321.0	3.5	13.6	2479.2	52.7	740.9	89.5	257.8	164.1	266.8	288.9	3.0	9.0	1.1	611.0	643.1	595.3	15.8
SMDH 00229	813721.69	8193384.14	168.11	13.0	14.0	98.0	5274.1	2.6	12.6	1919.6	60.0	749.0	96.2	277.1	176.4	286.8	310.5	2.2	9.0	1.0	763.9	800.0	745.6	18.3
SMDH 00229	813721.69	8193384.14	168.11	14.0	15.0	98.0	4736.0	2.3	11.9	1615.1	56.3	622.6	93.9	270.4	172.1	279.8	303.0	2.0	8.6	1.0	679.0	713.6	662.4	16.6
SMDH 00229	813721.69	8193384.14	168.11	15.0	16.0	98.0	5115.7	2.5	14.0	1570.9	62.9	716.3	95.3	274.6	174.8	284.2	307.8	2.2	10.4	1.1	705.8	743.7	686.3	19.5
SMDH 00230	813599.55	8193384.93	170.00	0.0	1.0	25.0	3230.6	1.3	8.8	941.4	44.2	818.7	76.9	221.5	141.0	229.3	248.3	1.1	6.6	0.9	545.7	573.0	533.0	12.7
SMDH 00230	813599.55	8193384.93	170.00	1.0	2.0	90.0	3465.9	1.7	9.6	1010.9	36.4	500.5	67.0	192.9	122.8	199.6	216.1	1.4	6.8	1.1	431.2	453.5	420.7	10.6
SMDH 00230	813599.55	8193384.93	170.00	2.0	3.0	75.0	3451.1	1.6	9.0	1102.5	69.0	564.9	67.8	195.4	124.4	202.2	219.0	1.3	6.4	1.1	542.2	585.3	521.7	20.5
SMDH 00230	813599.55	8193384.93	170.00	3.0	4.0	92.0	4330.1	2.2	14.0	818.7	67.4	793.1	85.0	244.8	155.8	253.4	274.4	1.9	10.6	1.2	368.0	417.4	355.0	13.0
SMDH 00230	813599.55	8193384.93	170.00	4.0	5.0	85.0	3793.7	1.9	10.3	1043.0	61.1	722.1	63.8	183.8	117.0	190.2	206.0	1.7	7.2	1.1	367.4	411.3	355.2	12.2
SMDH 00230	813599.55	8193384.93	170.00	5.0	6.0	98.0	4195.4	2.0	11.8	1123.0	85.1	783.7	63.3	182.2	116.0	188.5	204.2	1.8	8.7	1.1	477.6	539.0	460.6	16.9
SMDH 00230	813599.55	8193384.93	170.00	6.0	7.0	99.0	4501.3	2.5	11.2	1426.8	68.2	636.5	63.0	181.4	115.5	187.7	203.3	2.2	7.7	1.1	369.6	418.9	356.0	13.5
SMDH 00230	813599.55	8193384.93	170.00	7.0	8.0	98.0	3988.4	2.1	11.9	818.6	46.2	1047.4	77.1	222.1	141.4	229.8	248.9	1.8	8.6	1.2	303.6	337.1	294.7	8.9
SMDH 00230	813599.55	8193384.93	170.00	8.0	9.0	98.0	4319.6	2.3	14.7	685.1	64.1	754.2	82.5	237.5	151.2	245.8	266.2	2.0	11.1	1.3	288.4	335.6	276.2	12.1
SMDH 00230	813599.55	8193384.93	170.00	9.0	10.0	98.0	4017.3	2.1	13.3	677.2	58.6	788.6	76.0	218.8	139.3	226.5	245.2	1.9	9.9	1.2	268.4	311.5	257.3	11.1
SMDH 00230	813599.55	8193384.93	170.00	10.0	11.0	90.0	4313.7	2.2	13.5	869.7	105.4	786.9	78.5	226.1	144.0	234.0	253.4	1.9	10.1	1.3	363.4	439.9	341.9	21.5
SMDH 00230	813599.55	8193384.93	170.00	11.0	12.0	98.0	4755.6	2.7	15.7	839.2	30.3	684.9	104.1	299.8	190.8	310.3	336.0	2.4	11.7	1.4	292.8	311.2	283.6	9.2
SMDH 00230	813599.55	8193384.93	170.00	12.0	13.0	88.0	4978.2	2.6	15.1	1216.4	42.4	608.3	92.9	267.6	170.4	277.0	299.9	2.3	11.1	1.3	491.5	516.9	478.5	12.9
SMDH 00230	813599.55	8193384.93	170.00	13.0	14.0	95.0	5205.3	2.7	14.5	1521.0	54.4	561.3	99.2	285.6	181.8	295.6	320.1	2.3	10.5	1.4	608.5	641.0	591.4	17.1
SMDH 00230	813599.55	8193384.93	170.00	14.0	15.0	96.0	4384.2	2.2	12.4	1277.9	51.5	455.6	79.5	228.9	145.7	236.9	256.5	1.9	9.0	1.3	564.1	595.5	548.4	15.7
SMDH 00230	813599.55	8193384.93	170.00	15.0	16.0	98.0	4428.3	2.2	12.2	1283.8	53.0	635.9	76.8	221.3	140.9	229.0	248.0	1.9	8.7	1.3	511.3	544.4	496.0	15.3
SMDH 00230	813599.55	8193384.93	170.00	16.0	17.0	80.0	5223.1	2.7	14.6	1496.3	57.9	722.9	86.0	247.8	157.7	256.4	277.7	2.4	10.6	1.3	582.0	617.1	563.9	18.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00231	813465.21	8193383.83	166.61	0.0	1.0	15.0	4965.0	2.4	14.7	1335.5	56.8	838.8	95.2	274.3	174.6	283.8	307.4	2.0	11.2	1.1	661.1	696.5	644.4	16.7
SMDH 00231	813465.21	8193383.83	166.61	1.0	2.0	20.0	5911.4	2.6	16.6	1717.6	74.8	1296.9	106.4	306.4	195.0	317.1	343.4	2.2	12.7	1.3	969.9	1015.3	947.1	22.8
SMDH 00231	813465.21	8193383.83	166.61	2.0	3.0	55.0	5053.3	2.5	15.0	1262.5	50.0	940.2	103.4	297.9	189.6	308.3	333.9	2.1	11.2	1.4	621.6	652.7	607.0	14.6
SMDH 00231	813465.21	8193383.83	166.61	3.0	4.0	80.0	4200.4	2.2	11.7	1177.9	62.6	588.0	69.9	201.3	128.1	208.3	225.5	1.9	8.5	1.1	437.1	481.1	423.5	13.6
SMDH 00231	813465.21	8193383.83	166.61	4.0	5.0	20.0	4275.6	2.2	12.3	1125.2	59.7	570.9	73.7	212.3	135.1	219.7	237.9	2.0	8.9	1.2	373.6	415.6	361.3	12.3
SMDH 00231	813465.21	8193383.83	166.61	5.0	6.0	70.0	3965.0	2.0	11.4	1036.9	55.3	544.3	68.1	196.1	124.8	203.0	219.8	1.8	8.1	1.2	344.7	383.6	332.6	12.1
SMDH 00231	813465.21	8193383.83	166.61	6.0	7.0	90.0	4383.1	2.4	12.3	1227.1	52.4	417.0	68.4	196.9	125.4	203.8	220.7	2.1	8.7	1.3	336.4	373.5	325.6	10.8
SMDH 00231	813465.21	8193383.83	166.61	7.0	8.0	96.0	5266.5	2.8	15.8	1195.1	89.6	897.1	102.1	294.2	187.3	304.4	329.7	2.5	11.9	1.1	380.5	446.1	363.1	17.4
SMDH 00231	813465.21	8193383.83	166.61	8.0	9.0	98.0	4775.1	2.5	14.3	1113.6	122.1	697.3	92.7	266.9	169.9	276.2	299.1	2.2	10.7	1.1	396.0	486.4	372.5	23.5
SMDH 00231	813465.21	8193383.83	166.61	9.0	10.0	80.0	4756.2	2.4	14.3	1108.6	109.1	741.6	89.1	256.6	163.4	265.6	287.6	2.1	10.7	1.2	446.9	525.6	424.2	22.7
SMDH 00231	813465.21	8193383.83	166.61	10.0	11.0	30.0	4847.6	2.4	14.3	1207.2	124.2	713.6	88.5	254.9	162.3	263.8	285.7	2.1	10.6	1.2	495.8	585.5	470.5	25.3
SMDH 00231	813465.21	8193383.83	166.61	11.0	12.0	95.0	4780.4	2.4	14.1	1225.2	77.7	655.0	86.4	249.0	158.5	257.7	279.0	2.1	10.5	1.2	488.3	543.2	471.5	16.8
SMDH 00231	813465.21	8193383.83	166.61	12.0	13.0	50.0	5155.5	2.7	14.9	1353.0	31.6	772.3	97.2	279.9	178.2	289.7	313.7	2.4	10.9	1.3	470.6	489.5	461.4	9.2
SMDH 00231	813465.21	8193383.83	166.61	13.0	13.5	70.0	5195.8	2.7	14.9	1416.4	45.7	755.2	104.4	300.7	191.4	311.2	337.0	2.3	11.0	1.2	589.4	617.7	576.3	13.2
SMDH 00232	813356.75	8193384.28	163.95	0.0	1.0	20.0	3473.5	1.3	7.9	1296.8	69.4	1049.0	85.0	244.9	155.9	253.5	274.5	1.0	6.1	0.5	788.3	831.9	768.2	20.1
SMDH 00232	813356.75	8193384.28	163.95	1.0	2.0	20.0	4853.0	2.0	13.5	1584.5	80.0	702.6	147.8	425.6	270.9	440.4	476.9	1.6	10.8	0.7	982.4	1033.5	960.6	21.8
SMDH 00232	813356.75	8193384.28	163.95	2.0	3.0	90.0	5226.0	2.5	15.5	1503.8	60.7	582.5	68.1	196.1	124.8	202.9	219.7	2.2	11.8	1.1	729.7	768.7	713.3	16.4
SMDH 00232	813356.75	8193384.28	163.95	3.0	4.0	55.0	5856.4	2.9	16.8	1806.7	46.2	527.1	90.9	261.8	166.7	271.0	293.4	2.5	12.7	1.2	857.2	885.5	844.2	13.0
SMDH 00232	813356.75	8193384.28	163.95	4.0	5.0	90.0	4919.4	2.6	15.0	1162.1	31.4	719.1	80.6	232.1	147.8	240.2	260.1	2.3	11.2	1.2	438.7	458.3	430.3	8.4
SMDH 00232	813356.75	8193384.28	163.95	5.0	6.0	85.0	4017.7	2.1	12.6	922.8	30.2	513.8	56.0	161.3	102.7	166.9	180.8	1.9	9.4	1.0	325.2	343.9	316.6	8.6
SMDH 00232	813356.75	8193384.28	163.95	6.0	7.0	70.0	4381.1	2.3	14.1	931.9	46.7	679.3	65.2	187.8	119.6	194.4	210.5	2.0	10.8	1.0	390.1	420.1	377.2	12.9
SMDH 00232	813356.75	8193384.28	163.95	7.0	8.0	70.0	4612.5	2.4	14.9	936.5	62.6	759.7	72.0	207.5	132.1	214.7	232.5	2.2	11.4	1.1	400.8	441.7	383.9	16.9
SMDH 00232	813356.75	8193384.28	163.95	8.0	9.0	90.0	3669.5	1.9	11.3	851.5	46.5	565.8	52.7	151.8	96.6	157.1	170.1	1.7	8.5	0.9	349.6	379.8	337.0	12.6
SMDH 00232	813356.75	8193384.28	163.95	9.0	10.0	98.0	4398.7	2.3	13.6	1001.4	48.7	631.7	59.3	170.8	108.7	176.7	191.4	2.1	10.2	1.1	336.2	367.1	322.7	13.5
SMDH 00232	813356.75	8193384.28	163.95	10.0	11.0	98.0	4382.2	2.3	14.1	912.1	53.7	702.0	66.5	191.6	122.0	198.3	214.8	2.0	10.7	1.0	373.4	407.7	358.4	15.1
SMDH 00232	813356.75	8193384.28	163.95	11.0	12.0	99.0	5411.9	2.9	16.5	1188.3	63.6	1009.3	90.2	259.8	165.4	268.8	291.1	2.5	12.3	1.4	444.4	486.6	427.7	16.8
SMDH 00232	813356.75	8193384.28	163.95	12.0	13.0	90.0	4463.7	2.3	13.9	979.6	63.0	742.1	67.8	195.3	124.3	202.1	218.9	2.1	10.6	1.0	374.5	416.2	357.9	16.6
SMDH 00233	813241.11	8193383.89	165.20	0.0	1.0	25.0	4943.9	2.7	14.4	1284.6	41.7	689.8	70.0	201.6	128.3	208.7	225.9	2.4	10.7	1.0	382.1	408.7	370.4	11.7
SMDH 00233	813241.11	8193383.89	165.20	1.0	2.0	20.0	5782.3	3.4	14.4	1887.5	36.6	618.3	72.9	209.8	133.6	217.2	235.2	3.1	9.9	1.0	353.3	375.9	342.4	10.9
SMDH 00233	813241.11	8193383.89	165.20	2.0	3.0	65.0	5103.5	2.9	14.8	1317.5	29.5	650.2	81.4	234.3	149.1	242.5	262.6	2.6	10.8	1.1	372.0	390.4	364.0	8.0
SMDH 00233	813241.11	8193383.89	165.20	3.0	4.0	70.0	5390.1	3.2	15.5	1381.9	34.2	641.1	76.0	218.9	139.3	226.5	245.3	2.9	11.2	1.1	375.5	396.9	366.4	9.2
SMDH 00233	813241.11	8193383.89	165.20	4.0	5.0	70.0	5157.2	3.0	14.6	1352.3	38.8	681.8	71.3	205.3	130.7	212.4	230.1	2.7	10.5	1.1	409.2	433.5	398.2	11.0
SMDH 00233	813241.11	8193383.89	165.20	5.0	6.0	85.0	4578.1	2.5	14.6	921.1	39.9	736.7	67.2	193.5	123.1	200.2	216.8	2.3	11.0	1.2	319.9	345.4	308.7	11.2
SMDH 00233	813241.11	8193383.89	165.20	6.0	7.0	85.0	4825.3	2.6	15.7	986.8	53.8	581.2	75.2	216.6	137.9	224.2	242.8	2.4	11.8	1.2	345.7	381.8	332.6	13.0
SMDH 00233	813241.11	8193383.89	165.20	7.0	8.0	95.0	5156.4	2.8	17.6	998.8	41.1	499.5	82.1	236.4	150.5	244.7	265.0	2.5	13.6	1.2	375.8	402.5	365.3	10.4
SMDH 00233	813241.11	8193383.89	165.20	8.0	9.0	92.0	4440.5	2.3	15.4	817.2	32.0	466.7	67.4	194.2	123.6	200.9	217.6	2.1	11.7	1.3	326.2	346.6	317.6	8.6
SMDH 00233	813241.11	8193383.89	165.20	9.0	10.0	90.0	4736.7	2.6	14.9	1093.1	28.8	498.2	77.1	222.1	141.4	229.8	248.9	2.3	11.2	1.2	376.1	394.4	369.0	7.1
SMDH 00233	813241.11	8193383.89	165.20	10.0	11.0	98.0	4011.1	2.1	13.3	829.9	27.3	472.9	63.4	182.5	116.1	188.8	204.5	1.9	10.2	1.0	335.4	352.5	327.8	7.6
SMDH 00233	813241.11	8193383.89	165.20	11.0	12.0	95.0	4404.0	2.4	13.3	1112.6	25.6	448.2	64.0	184.3	117.3	190.7	206.5	2.2	9.9	1.1	376.2	392.2	369.5	6.7
SMDH 00233	813241.11	8193383.89	165.20	12.0	13.0	98.0	5348.8	2.9	15.9	1385.0	36.8	616.1	81.1	233.7	148.8	241.9	261.9	2.6	11.6	1.4	471.4	494.9	461.6	9.8
SMDH 00233	813241.11	8193383.89	165.20	13.0	14.0	50.0	4964.2	2.6	15.7	1134.7	62.8	504.0	82.1	236.4	150.5	244.7	265.0	2.4	11.8	1.3	406.0	448.9	390.8	15.2
SMDH 00233	813241.11	8193383.89	165.20	14.0	15.0	70.0	4429.6	2.5	14.7	866.0	29.0	469.8	65.2	187.9	119.6	194.5	210.6	2.3	11.3	0.9	279.2	297.8	271.5	7.6
SMDH 00233	813241.11	8193383.89	165.20	15.0	16.0	95.0	5104.0	3.0	16.4	931.7	22.3	677.8	77.1	222.1	141.4	229.8	248.9	2.8	11.7	1.6	120.2	135.5	116.0	4.2
SMDH 00233	813241.11	8193383.89	165.20	16.0	17.0	98.0	6099.2	3.5	20.7	1082.9	54.4	812.9	71.0	204.6	130.2	211.7	229.3	3.2	16.0	1.3	325.1	364.0	313.7	11.4
SMDH 00233	813241.11	8193383.89	165.20	17.0	18.0	70.0	4820.4	2.7	16.7	756.0	22.8	796.6	69.1	199.1	126.7	206.0	223.1	2.4	12.9	1.2	256.2	270.9	250.6	5.5
SMDH 00234	813136.29	8193381.24	164.46	0.0	1.0	30.0	3532.7	1.5	10.1	893.2	70.4	1211.8	44.1	126.9	80.8	131.3	142.2	1.2	7.8	0.7	515.9	565.8	501.1	14.8
SMDH 00234	813136.29	8193381.24	164.46	1.0	2.0	20.0	4200.1	1.9	12.7	1067.2	62.9	859.3	53.9	155.3	98.9	160.8	174.1	1.7	9.8	0.9	554.2	597.5	539.7	14.5
SMDH 00234	813136.29	8193381.24	164.46	2.0	3.0	25.0	4465.7	2.1	14.9	973.1	39.6	530.3	64.7	186.4	118.7	192.9	208.9	1.9	11.3	1.4	478.3	505.3	469.6	8.7
SMDH 00234	813136.29	8193381.24	164.46	3.0	4.0	90.0	4461.4	2.4	12.0	1332.1	31.5	606.5	49.8	143.3	91.2	148.3	160.6	2.1	8.5	1.2	317.1	338.4	310.0	7.1
SMDH 00234	813136.29	8193381.24	164.46	4.0	5.0	35.0	3806.0	2.0	7.2	1703.8	40.4	328.9	23.9	68.9	43.9	71.3	77.2	1.7	4.1	1.1	463.3	490.3	453.7	9.7
SMDH 00234	813136.29	8193381.24	164.46	5.0	6.0	80.0	4122.3	2.4	10.4	1322.8	21.0	342.9	31.2	89.7	57.1	92.9	100.6	2.2	6.7	1.2	198.7	212.3	193.4	5.3
SMDH 00234	813136.29	8193381.24	164.46	6.0	7.0	80.0	5885.1	3.7	15.0	1756.2	19.7	617.7	60.3	173.8	110.6	179.8	194.7	3.4	10.2	1.1	200.8	214.0	196.5	4.3
SMDH 00234	813136.29	8193381.24	164.46	7.0	8.0	90.0	5006.4	2.6	14.2	1401.6	45.8	527.3	77.6	223.4	142.2	231.2	250.4	2.3	10.1	1.6	430.1	460.4	418.9	11.2
SMDH 00234	813136.29	8193381.24	164.46	8.0	9.0	98.0	4342.1	2.2	12.7	1153.8	46.9	501.3	67.5	194.5	123.8	201.3	217.9	2.0	9.0	1.4	384.1	415.4	372.5	11.6
SMDH 00234	813136.29	8193381.24	164.46	9.0	10.0	99.0	5172.3	2.7	16.4	1216.4	45.5	464.6	72.2	207.9	132.4	215.2	233.0	2.4	12.3	1.5	418.9	449.7	408.5	10.4
SMDH 00234	813136.29	8193381.24	164.46	10.0	11.0	85.0	3655.6	1.8	11.1	1011.0	30.7	343.4	44.2	127.4	81.1	131.9	142.8	1.6	8.2	1.1	434.8	454.3	426.6	8.2
SMDH 00234	813136.29	8193381.24	164.46	11.0	12.0	90.0	3066.6	1.6	10.0	648.7	21.0	348.6	46.3	133.3	84.9	138.0	149.4	1.5	7.5	0.9	206.4	219.2	200.3	6.1
SMDH 00234	813136.29	8193381.24	164.46	12.0	13.0	98.0	4072.4	2.1	12.7	1021.3	20.9	425.0	64.6	186.1	118.5	192.6	208.6	1.9	9.7	0.9	406.1	418.2	399.6	6.5
SMDH 00234	813136.29	8193381.24	164.46	13.0	14.0	98.0	4062.0	2.2	13.1	921.3	19.8	511.0	57.6	165.8	105.5	171.6	185.8	1.9	10.1	0.8	334.1	345.1	327.5	6.6
SMDH 00234	813136.29	8193381.24	164.46	14.0	15.0	98.0	3297.3	1.7	10.1	842.8	26.2	390.1	48.2	138.7	88.3	143.6	155.5	1.5	7.7	0.7	348.0	363.7	340.3	7.7
SMDH 00235	812997.64	8193382.92	166.72	0.0	1.0	30.0	2951.7	1.4	11.5	415.0	21.7	263.7	44.2	127.3	81.0	131.7	142.6	1.3	9.3	0.8	248.5	261.3	241.6	6.9
SMDH 00235	812997.64	8193382.92	166.72	1.0	2.0	40.0	2631.4	1.2	9.0	467.4	46.6	560.8	47.7	137.4	87.4	142.2	153.9	1.0	7.1	0.7	279.2	308.8	265.8	13.4
SMDH 00235	812997.64	8193382.92	166.72	2.0	3.0	80.0	2340.4	1.0	7.2	550.2	49.0	486.2	38.5	111.0	70.7	114.9	124.4	0.9	5.4	0.8	303.7	334.4	289.2	14.5
SMDH 00235	812997.64	8193382.92	166.72	3.0	4.0	50.0	2321.0	1.1	7.2	534.0	62.5	484.6	33.1	95.5	60.8	98.8	107.0	0.9	5.5	0.6	278.3	317.5	259.7	18.5
SMDH 00235	812997.64	8193382.92	166.72	4.0	5.0	50.0	3177.1	1.5	10.0	684.4	56.5	583.9	56.8	163.7	104.2	169.4	183.5	1.3	7.5	1.0	305.4	345.1	292.5	13.0
SMDH 00235	812997.64	8193382.92	166.72	5.0	6.0	55.0	2871.4	1.4	8.3	751.0	56.4	462.0	43.4	125.1	79.7	129.5	140.2	1.2	6.1	0.8	267.2	306.6	254.2	13.0
SMDH 00235	812997.64	8193382.92	166.72	6.0	7.0	45.0	3782.3	2.0	9.5	1235.6	67.5	424.7	44.0	126.8	80.7	131.3	142.2	1.8	6.6	0.9	286.0	333.5	270.9	15.1
SMDH 00235	812997.64	8193382.92	166.72	7.0	8.0	60.0	3359.4	1.7	8.0	1042.9	70.0	836.9	50.6	145.7	92.7	150.8	163.3	1.4	5.4	1.0	313.5	363.6	298.9	14.6
SMDH 00235	812997.64	8193382.92	166.72	8.0	8.5	50.0	3489.0	1.9	10.9	766.4	66.3	310.1	34.2	98.6	62.8	102.0	110.5	1.7	7.7	1.3	197.1	236.7	177.0	20.1
SMDH 00236	812880.45	8193384.34	168.15	0.0	1.0	40.0	5260.5	2.6	18.6	858.7	115.6	913.9	72.3	208.3	132.6	215.6	233.4	2.3	14.9	1.2	489.0	571.0	463.7	25.4
SMDH 00236	812880.45	8193384.34	168.15	1.0	2.0	65.0	6332.4	3.5	24.5	641.9	166.2	588.2	91.7	264.0	168.0	273.2	295.8	3.3	19.6	1.4	266.3	386.8	231.9	34.4
SMDH 00236	812880.45	8193384.34	168.15	2.0	3.0	65.0	9084.3	6.6	30.1	832.2	278.3	1340.0	161.0	463.7	295.2	479.9	519.7	6.1	22.0	1.5	271.0	470.9	210.7	60.3
SMDH 00236	812880.45	8193384.34	168.15	3.0	4.0	85.0	8029.2	4.9	28.4	782.5	130.3	1781.8	164.6	474.0	301.7	490.5	531.2	4.4	22.0	1.5	214.1	307.4	186.4	27.7
SMDH 00236	812880.45	8193384.34	168.15	4.0	5.0	80.0	9785.7	7.0	30.9	1159.4	306.7	1482.8	151.7	436.9	278.1	452.2	489.6	6.5	22.0	2.0	479.9	676.0	390.1	89.9
SMDH 00236	812880.45	8193384.34	168.15	5.0	6.0	70.0	4479.8	2.5	15.0	764.8	35.9	756.1	68.1	196.1	124.8	203.0	219.8	2.2	11.3	1.3	138.6	161.1	128.6	10.0
SMDH 00236	812880.45	8193384.34	168.15	6.0	7.0	75.0	7378.4	4.4	20.0	1811.3	35.6	1690.0	111.2	320.2	203.9	331.4	358.9	3.9	14.3	1.3	205.2	226.6	194.9	10.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00236	812880.45	8193384.34	168.15	7.0	7.5	50.0	8974.6	5.1	28.6	1659.8	24.7	1856.1	154.6	445.2	283.4	460.7	498.9	4.5	21.2	2.3	217.7	232.8	211.3	6.4
SMDH 00237	812761.78	8193386.72	167.29	0.0	1.0	30.0	5231.5	2.6	20.8	566.9	24.6	554.6	75.3	216.8	138.0	224.4	243.0	2.4	16.4	1.8	278.3	293.1	270.9	7.4
SMDH 00237	812761.78	8193386.72	167.29	1.0	2.0	90.0	4458.7	2.2	17.0	535.6	19.4	728.3	78.1	225.1	143.3	232.9	252.2	2.0	13.2	1.6	296.5	307.7	290.6	6.0
SMDH 00237	812761.78	8193386.72	167.29	2.0	3.0	96.0	4222.9	2.2	15.9	593.9	13.5	269.9	64.6	186.2	118.5	192.7	208.7	2.1	11.9	1.7	233.2	240.8	229.3	3.9
SMDH 00237	812761.78	8193386.72	167.29	3.0	4.0	85.0	5127.9	2.9	11.9	1856.2	13.7	325.7	39.4	113.4	72.2	117.3	127.0	2.7	7.1	1.8	272.7	280.4	269.2	3.5
SMDH 00237	812761.78	8193386.72	167.29	4.0	5.0	98.0	8557.0	5.3	19.2	3181.2	28.8	576.4	60.6	174.6	111.1	180.7	195.7	4.8	12.5	1.4	391.3	408.4	382.5	8.8
SMDH 00237	812761.78	8193386.72	167.29	5.0	6.0	95.0	4566.4	2.5	11.3	1592.0	29.2	409.6	53.0	152.7	97.2	158.1	171.2	2.2	7.8	1.1	439.1	458.2	432.3	6.9
SMDH 00237	812761.78	8193386.72	167.29	6.0	7.0	98.0	3126.4	1.6	9.1	868.4	23.5	277.9	40.9	117.9	75.1	122.0	132.1	1.5	6.5	1.0	221.0	236.5	215.3	5.7
SMDH 00237	812761.78	8193386.72	167.29	7.0	8.0	90.0	2571.7	1.2	8.5	631.9	16.1	176.2	28.3	81.5	51.8	84.3	91.3	1.1	6.6	0.7	279.1	288.6	274.0	5.1
SMDH 00237	812761.78	8193386.72	167.29	8.0	9.0	98.0	2862.0	1.4	9.0	721.4	29.1	274.6	31.2	89.8	57.2	93.0	100.7	1.3	6.6	1.0	281.7	301.4	275.1	6.6
SMDH 00237	812761.78	8193386.72	167.29	9.0	10.0	98.0	3748.7	1.9	13.3	615.3	29.5	427.3	46.6	134.2	85.4	138.9	150.4	1.8	9.9	1.4	194.7	214.7	187.6	7.1
SMDH 00237	812761.78	8193386.72	167.29	10.0	11.0	98.0	2766.8	1.4	9.8	456.2	12.6	335.2	37.6	108.4	69.0	112.2	121.5	1.3	7.4	1.1	146.9	154.5	143.5	3.4
SMDH 00237	812761.78	8193386.72	167.29	11.0	12.0	95.0	2903.2	1.5	10.5	407.2	9.5	423.6	48.7	140.4	89.4	145.3	157.3	1.3	7.8	1.2	120.2	125.8	117.8	2.4
SMDH 00237	812761.78	8193386.72	167.29	12.0	13.0	98.0	3673.2	1.7	11.2	977.6	35.9	421.2	50.9	146.6	93.3	151.7	164.3	1.5	8.4	1.1	437.9	461.2	428.5	9.4
SMDH 00237	812761.78	8193386.72	167.29	13.0	14.0	98.0	3420.7	1.8	10.8	779.3	20.4	405.7	50.5	145.5	92.6	150.5	163.0	1.6	7.9	1.2	235.2	248.2	230.0	5.2
SMDH 00237	812761.78	8193386.72	167.29	14.0	15.0	95.0	4308.4	2.2	12.9	1072.9	46.3	525.6	96.8	278.9	177.5	288.6	312.5	2.0	9.4	1.2	466.7	497.3	455.6	11.1
SMDH 00238	812648.76	8193388.58	165.74	0.0	1.0	45.0	3050.0	1.5	11.4	432.3	10.9	417.7	53.0	152.6	97.1	157.9	171.0	1.4	9.0	0.9	186.1	192.7	183.4	2.6
SMDH 00238	812648.76	8193388.58	165.74	1.0	2.0	30.0	5050.7	3.2	17.0	961.0	38.0	118.7	63.9	183.9	117.1	190.4	206.1	3.0	12.7	1.0	177.4	203.0	167.7	9.7
SMDH 00238	812648.76	8193388.58	165.74	2.0	3.0	45.0	7556.6	5.0	20.3	2207.6	80.4	112.1	34.0	98.1	62.4	101.5	109.9	4.8	14.1	1.2	212.2	270.4	195.3	16.9
SMDH 00238	812648.76	8193388.58	165.74	3.0	4.0	30.0	6952.7	4.4	20.2	1889.4	78.2	63.5	47.2	136.1	86.6	140.8	152.5	4.1	14.6	1.2	363.7	418.6	346.4	17.3
SMDH 00238	812648.76	8193388.58	165.74	4.0	5.0	40.0	6337.0	4.2	18.8	1537.1	77.9	86.4	39.0	112.2	71.4	116.2	125.8	4.0	13.3	1.3	164.3	219.7	147.0	17.4
SMDH 00238	812648.76	8193388.58	165.74	5.0	6.0	65.0	4158.0	2.5	12.0	1070.5	37.6	367.5	64.1	184.7	117.6	191.2	207.0	2.3	8.6	0.9	266.6	292.0	257.7	8.9
SMDH 00238	812648.76	8193388.58	165.74	6.0	7.0	50.0	4155.2	2.4	10.6	1292.9	17.4	376.7	53.1	152.9	97.3	158.2	171.3	2.2	6.9	1.2	190.8	201.6	186.5	4.3
SMDH 00238	812648.76	8193388.58	165.74	7.0	8.0	55.0	4520.0	2.7	11.1	1408.2	51.7	376.3	105.5	304.0	193.5	314.6	340.7	2.4	7.3	1.1	222.1	257.6	210.2	11.9
SMDH 00238	812648.76	8193388.58	165.74	8.0	9.0	50.0	3395.7	1.9	9.4	905.6	15.9	413.2	52.2	150.3	95.6	155.5	168.4	1.7	6.4	1.1	157.0	167.1	153.6	3.4
SMDH 00255	812578.85	8193264.43	165.58	0.0	1.0	40.0	2675.0	1.2	7.9	732.1	37.2	302.2	40.8	117.5	74.8	121.6	131.7	1.1	5.5	1.2	328.8	353.6	319.7	9.1
SMDH 00255	812578.85	8193264.43	165.58	1.0	2.0	45.0	2906.8	1.5	8.1	844.6	35.3	211.2	42.6	122.8	78.2	127.1	137.6	1.3	5.4	1.2	231.2	255.5	223.1	8.1
SMDH 00255	812578.85	8193264.43	165.58	2.0	3.0	85.0	3453.3	1.7	9.3	1146.7	32.3	250.2	55.7	160.3	102.0	165.9	179.6	1.5	6.5	1.1	455.6	475.3	447.0	8.7
SMDH 00255	812578.85	8193264.43	165.58	3.0	4.0	90.0	3305.8	1.6	8.5	1125.1	22.8	223.2	44.5	128.0	81.5	132.5	143.5	1.4	5.6	1.3	366.7	380.3	360.9	5.8
SMDH 00255	812578.85	8193264.43	165.58	4.0	5.0	55.0	2778.8	1.4	7.1	934.8	10.2	194.7	32.9	94.9	60.4	98.2	106.3	1.3	4.6	1.1	230.7	235.6	227.7	3.0
SMDH 00255	812578.85	8193264.43	165.58	5.0	6.0	90.0	3306.4	1.6	8.4	1177.1	20.9	210.7	41.9	120.7	76.8	124.9	135.3	1.4	5.7	1.1	415.5	426.9	409.6	5.9
SMDH 00255	812578.85	8193264.43	165.58	6.0	7.0	85.0	2889.5	1.4	7.1	1077.8	14.3	154.2	32.0	92.1	58.6	95.3	103.2	1.3	4.7	1.0	348.8	356.3	344.9	3.9
SMDH 00254	812695.89	8193265.60	172.40	0.0	1.0	40.0	4801.7	2.3	16.6	982.9	33.9	417.6	88.9	256.1	163.0	265.0	287.0	2.0	12.7	1.6	523.3	543.9	513.6	9.7
SMDH 00254	812695.89	8193265.60	172.40	1.0	2.0	90.0	4198.5	2.0	10.5	1528.8	41.9	341.3	49.3	141.9	90.3	146.8	159.0	1.7	7.2	1.3	638.1	664.0	627.1	11.0
SMDH 00254	812695.89	8193265.60	172.40	2.0	3.0	85.0	3279.1	1.5	7.7	1261.0	34.6	290.1	31.3	90.3	57.5	93.4	101.1	1.4	5.0	1.2	450.9	473.2	442.4	8.5
SMDH 00254	812695.89	8193265.60	172.40	3.0	4.0	90.0	3057.7	1.6	6.8	1128.1	24.4	353.9	42.5	122.5	78.0	126.8	137.3	1.4	4.1	1.1	293.0	309.4	288.1	4.8
SMDH 00254	812695.89	8193265.60	172.40	4.0	5.0	70.0	3783.3	2.1	10.1	1032.5	17.7	652.9	81.2	233.9	148.9	242.1	262.1	1.8	6.9	1.2	312.6	323.4	308.6	4.0
SMDH 00254	812695.89	8193265.60	172.40	5.0	6.0	85.0	3725.2	2.0	10.0	1032.3	50.6	501.0	67.3	193.8	123.4	200.6	217.2	1.8	6.8	1.1	309.6	345.5	299.4	10.3
SMDH 00254	812695.89	8193265.60	172.40	6.0	7.0	95.0	4723.6	2.9	11.6	1451.8	32.3	521.9	86.2	248.3	158.1	257.0	278.3	2.6	7.5	1.2	330.4	352.0	323.1	7.4
SMDH 00254	812695.89	8193265.60	172.40	7.0	8.0	90.0	4260.1	2.6	10.8	1253.6	13.8	446.5	75.6	217.9	138.7	225.5	244.2	2.3	6.7	1.5	131.2	139.5	128.1	3.1
SMDH 00253	812818.69	8193266.98	167.86	0.0	1.0	40.0	3478.1	1.5	10.1	879.4	57.7	809.5	84.8	244.3	155.5	252.8	273.8	1.2	7.4	1.1	450.7	492.0	439.3	11.4
SMDH 00253	812818.69	8193266.98	167.86	1.0	2.0	60.0	2695.3	1.4	7.6	568.4	10.2	720.3	60.6	174.6	111.1	180.7	195.7	1.2	4.9	1.2	50.0	56.5	47.7	2.2
SMDH 00253	812818.69	8193266.98	167.86	2.0	3.0	70.0	3865.9	2.1	12.4	767.9	12.6	669.6	72.3	208.2	132.6	215.5	233.4	1.8	9.2	1.1	190.0	197.6	187.0	2.9
SMDH 00253	812818.69	8193266.98	167.86	3.0	4.0	40.0	3431.3	1.7	8.5	1068.1	30.7	804.0	74.8	215.4	137.1	223.0	241.4	1.4	5.9	0.9	355.2	375.5	348.2	7.0
SMDH 00253	812818.69	8193266.98	167.86	4.0	5.0	70.0	5413.8	3.1	14.4	1644.5	30.1	510.5	84.2	242.5	154.3	250.9	271.7	2.8	10.0	1.2	292.0	312.0	285.1	6.9
SMDH 00253	812818.69	8193266.98	167.86	5.0	6.0	28.0	3945.1	2.1	11.0	1134.1	28.5	461.8	56.7	163.3	103.9	169.0	183.0	1.9	7.8	1.1	270.7	290.1	264.5	6.3
SMDH 00252	812936.90	8193265.54	170.76	0.0	1.0	35.0	2461.1	1.0	7.0	687.2	59.4	504.3	36.1	104.0	66.2	107.7	116.6	0.9	5.1	0.9	342.9	384.4	330.0	12.9
SMDH 00252	812936.90	8193265.54	170.76	1.0	2.0	25.0	2370.7	1.0	6.5	742.7	48.7	193.8	24.2	69.7	44.4	72.1	78.1	0.9	4.2	1.3	279.1	313.2	269.2	9.9
SMDH 00252	812936.90	8193265.54	170.76	2.0	3.0	70.0	3205.5	1.6	10.2	747.6	56.4	188.1	54.4	156.6	99.7	162.0	175.5	1.4	7.5	1.1	272.1	311.5	260.2	12.0
SMDH 00252	812936.90	8193265.54	170.76	3.0	4.0	45.0	1757.0	0.8	5.6	399.4	34.6	127.3	16.9	48.7	31.0	50.4	54.6	0.7	3.9	1.0	132.8	157.0	125.6	7.3
SMDH 00252	812936.90	8193265.54	170.76	4.0	5.0	45.0	1679.2	0.7	4.7	479.1	26.8	194.6	18.4	53.0	33.7	54.9	59.4	0.6	3.0	1.0	160.6	179.2	155.6	5.0
SMDH 00252	812936.90	8193265.54	170.76	5.0	6.0	20.0	2076.3	0.9	6.7	409.6	24.3	204.8	13.5	38.8	24.7	40.1	43.5	0.8	4.1	1.8	143.7	159.6	138.1	5.6
SMDH 00251	813050.39	8193262.45	167.56	0.0	1.0	45.0	3892.0	1.6	11.1	1211.5	69.2	575.6	50.4	145.1	92.4	150.2	162.6	1.4	8.4	1.0	690.2	737.9	674.9	15.2
SMDH 00251	813050.39	8193262.45	167.56	1.0	2.0	90.0	5567.7	2.8	19.7	1008.0	39.6	603.9	107.1	308.4	196.3	319.1	345.6	2.5	15.4	1.6	559.1	584.9	549.6	9.5
SMDH 00251	813050.39	8193262.45	167.56	2.0	3.0	95.0	5380.0	2.7	16.8	1282.5	40.0	730.8	90.1	259.4	165.1	268.4	290.7	2.4	12.6	1.4	575.6	601.4	565.5	10.0
SMDH 00251	813050.39	8193262.45	167.56	3.0	4.0	85.0	4881.7	2.9	14.0	1177.8	24.7	699.8	79.3	228.3	145.3	236.2	255.8	2.6	9.9	1.3	273.6	290.0	268.2	5.4
SMDH 00251	813050.39	8193262.45	167.56	4.0	5.0	80.0	4892.7	3.0	15.2	933.2	38.4	767.1	85.4	245.9	156.6	254.5	275.6	2.7	11.0	1.2	172.9	200.6	165.6	7.3
SMDH 00251	813050.39	8193262.45	167.56	5.0	6.0	80.0	4790.0	2.8	15.1	993.1	42.4	525.3	81.3	234.2	149.1	242.4	262.4	2.5	11.1	1.2	256.6	286.3	247.3	9.3
SMDH 00251	813050.39	8193262.45	167.56	6.0	7.0	90.0	4771.5	2.6	15.6	998.9	41.0	468.4	83.3	240.0	152.8	248.4	268.9	2.3	11.8	1.2	376.8	401.3	364.5	12.3
SMDH 00251	813050.39	8193262.45	167.56	7.0	8.0	85.0	5340.2	3.0	17.2	1188.8	22.7	480.3	79.9	230.1	146.5	238.1	257.9	2.7	12.9	1.3	309.6	322.8	302.9	6.8
SMDH 00251	813050.39	8193262.45	167.56	8.0	9.0	90.0	4647.8	2.4	16.8	771.2	22.7	526.8	88.0	253.6	161.4	262.4	284.2	2.1	13.1	1.3	415.8	428.6	409.1	6.7
SMDH 00251	813050.39	8193262.45	167.56	9.0	10.0	94.0	3984.9	1.9	13.9	701.3	21.5	551.9	88.3	254.3	161.9	263.2	285.0	1.7	10.7	1.3	401.7	413.6	395.0	6.6
SMDH 00251	813050.39	8193262.45	167.56	10.0	11.0	98.0	4441.2	2.2	16.2	719.2	29.4	545.8	74.4	214.2	136.4	221.7	240.1	2.0	12.7	1.2	372.2	389.5	363.6	8.6
SMDH 00251	813050.39	8193262.45	167.56	11.0	12.0	98.0	4719.3	2.4	17.8	610.3	26.0	688.2	84.9	244.5	155.7	253.1	274.0	2.2	14.1	1.3	336.2	351.5	328.5	7.7
SMDH 00251	813050.39	8193262.45	167.56	12.0	13.0	98.0	6420.3	3.5	26.5	518.0	27.6	573.0	94.4	271.8	173.0	281.3	304.6	3.3	21.4	1.6	249.4	266.5	241.5	7.9
SMDH 00251	813050.39	8193262.45	167.56	13.0	14.0	99.0	4299.2	2.2	15.5	655.8	21.9	697.4	77.3	222.5	141.7	230.3	249.4	1.9	12.2	1.2	360.6	372.8	353.8	6.8
SMDH 00251	813050.39	8193262.45	167.56	14.0	15.0	75.0	3966.3	2.0	13.4	776.2	19.9	504.0	64.6	186.2	118.5	192.7	208.7	1.8	10.1	1.3	326.0	337.4	320.3	5.7
SMDH 00250	813176.84	8193269.58	166.44	0.0	1.0	20.0	4205.5	2.2	14.4	672.8	56.0	767.1	53.5	154.0	98.0	159.4	172.6	2.0	10.8	1.4	337.4	373.6	322.2	15.2
SMDH 00250	813176.84	8193269.58	166.44	1.0	2.0	35.0	3942.0	1.9	13.6	825.8	41.8	465.7	43.1	124.2	79.0	128.5	139.2	1.7	10.9	0.8	440.3	468.5	430.4	9.9
SMDH 00250	813176.84	8193269.58	166.44	2.0	3.0	65.0	4985.5	2.7	17.3	868.2	28.7	651.6	77.7	223.7	142.4	231.5	250.7	2.4	13.3	1.4	359.4	378.0	352.8	6.6
SMDH 00250	813176.84	8193269.58	166.44	3.0	4.0	55.0	4770.3	2.7	14.4	1186.4	17.2	338.7	64.7	186.3	118.6	192.8	208.8	2.5	10.2	1.5	267.9	278.1	263.3	4.6
SMDH 00250	813176.84	8193269.58	166.44	4.0	5.0	70.0	4105.1	2.3	11.7	1105.3	15.9	360.7	53.6	154.5	98.4	159.9	173.2	2.1	8.0	1.4	201.3	211.2	197.5	3.8
SMDH 00250	813176.84	8193269.58	166.44	5.0	6.0	95.0	5689.6	3.2	17.7	1321.4	37.2	510.5	93.3	268.8	171.1	278.2	301.3	2.9	13.1	1.5	426.0	450.2	416.4	9.6
SMDH 00250	813176.84	8193269.58	166.44	6.0	7.0	98.0	5467.0	3.1	17.2	1246.8	30.8	472.2	99.2	285.8	181.9	295.8	320.3	2.8	12.7	1.4	410.0	429.9	402.3	7.7
SMDH 00250	813176.84	8193269.58	166.44	7.0	8.0	99.0	5046.6	2.8	18.3	833.2	21.5	339.1	77.3	222.8	141.8	230.6	249.7	2.6	14.4	1.1	324.8	337.2	318.9	5.9
SMDH 00250	813176.84	8193269.58	166.44	8.0	9.0	90.0	4966.3	2.8	15.6	1134.5	19.0	446.5	87.2	251.2	159.9	260.0	281.5	2.5	11.5	1.4	351.6	363.0	346.5	5.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00250	813176.84	8193269.58	166.44	9.0	10.0	95.0	4143.0	2.1	12.6	1085.6	21.7	486.5	73.6	211.9	134.9	219.3	237.5	1.8	9.5	1.0	524.6	536.1	517.2	7.4
SMDH 00250	813176.84	8193269.58	166.44	10.0	11.0	92.0	4429.7	2.4	13.6	1076.0	18.0	506.9	75.1	216.3	137.7	223.8	242.4	2.1	10.1	1.1	391.0	400.7	385.3	5.7
SMDH 00250	813176.84	8193269.58	166.44	11.0	12.0	90.0	4509.6	2.4	13.8	1129.5	20.0	447.7	81.5	234.7	149.4	242.8	263.0	2.1	10.2	1.2	444.1	454.5	437.2	6.9
SMDH 00249	813297.46	8193262.12	167.21	0.0	1.0	45.0	4731.7	2.3	15.5	1019.3	61.4	693.2	79.1	227.7	144.9	235.6	255.2	2.0	11.9	1.3	531.2	569.1	512.0	19.1
SMDH 00249	813297.46	8193262.12	167.21	1.0	2.0	60.0	5599.9	3.0	16.9	1401.7	54.9	620.7	81.5	234.7	149.4	242.8	263.0	2.7	12.6	1.3	395.6	430.5	379.7	15.9
SMDH 00249	813297.46	8193262.12	167.21	2.0	3.0	40.0	4837.7	2.6	14.0	1325.3	56.7	482.4	71.2	204.9	130.4	212.1	229.7	2.3	10.3	1.1	391.4	427.9	375.3	16.0
SMDH 00249	813297.46	8193262.12	167.21	3.0	4.0	35.0	4962.9	2.6	15.8	1088.1	82.3	585.4	81.5	234.7	149.4	242.8	263.0	2.3	12.0	1.3	410.8	462.6	386.4	24.4
SMDH 00249	813297.46	8193262.12	167.21	4.0	5.0	30.0	4935.3	2.5	15.3	1176.0	76.9	578.3	81.5	234.7	149.4	242.8	263.0	2.3	11.5	1.2	479.7	527.4	456.3	23.5
SMDH 00248	813414.63	8193265.71	167.18	0.0	1.0	25.0	5585.6	2.8	19.9	946.0	62.6	790.4	118.1	340.3	216.6	352.2	381.3	2.4	15.8	1.3	507.5	545.7	487.6	19.9
SMDH 00248	813414.63	8193265.71	167.18	1.0	2.0	50.0	5210.1	2.5	16.9	1100.0	99.2	710.4	116.9	336.6	214.2	348.3	377.2	2.2	13.0	1.5	529.1	600.4	508.5	20.6
SMDH 00248	813414.63	8193265.71	167.18	2.0	3.0	25.0	5275.7	2.8	16.4	1283.9	89.6	444.3	71.2	205.1	130.6	212.3	229.9	2.5	12.3	1.3	552.5	610.5	528.4	24.1
SMDH 00248	813414.63	8193265.71	167.18	3.0	4.0	75.0	5027.7	2.5	15.3	1207.0	101.1	660.2	101.5	292.2	186.0	302.4	327.5	2.2	11.4	1.4	512.6	585.7	491.8	20.8
SMDH 00248	813414.63	8193265.71	167.18	4.0	5.0	75.0	5232.5	2.5	15.7	1321.8	125.0	699.2	96.1	276.7	176.1	286.3	310.1	2.2	11.7	1.5	592.6	682.1	566.8	25.8
SMDH 00248	813414.63	8193265.71	167.18	5.0	6.0	80.0	4248.1	2.1	12.9	1005.0	122.5	561.0	80.4	231.6	147.5	239.7	259.6	1.8	9.7	1.1	411.2	500.6	386.8	24.4
SMDH 00248	813414.63	8193265.71	167.18	6.0	7.0	65.0	4932.2	2.5	15.2	1097.9	138.5	704.7	92.0	265.0	168.7	274.3	297.0	2.2	11.5	1.3	427.0	527.8	398.8	28.2
SMDH 00248	813414.63	8193265.71	167.18	7.0	8.0	85.0	5716.2	2.9	18.4	1170.7	144.4	666.6	113.3	326.5	207.8	337.8	365.8	2.6	14.0	1.5	465.5	571.2	437.4	28.1
SMDH 00248	813414.63	8193265.71	167.18	8.0	9.0	95.0	5062.8	2.5	16.0	1129.3	127.8	583.2	98.8	284.5	181.1	294.4	318.8	2.2	12.2	1.3	478.2	570.5	451.9	26.3
SMDH 00248	813414.63	8193265.71	167.18	9.0	10.0	55.0	5522.2	2.8	17.0	1286.3	105.4	752.0	112.0	322.5	205.3	333.8	361.5	2.4	12.8	1.5	546.5	621.6	524.3	22.2
SMDH 00248	813414.63	8193265.71	167.18	10.0	11.0	98.0	6232.3	3.2	20.0	1328.0	95.7	832.7	132.8	382.4	243.4	395.8	428.6	2.8	15.3	1.5	560.5	627.5	539.1	21.4
SMDH 00248	813414.63	8193265.71	167.18	11.0	12.0	95.0	6178.0	3.1	21.7	1048.5	52.1	970.7	140.9	405.8	258.3	419.9	454.7	2.7	17.1	1.5	487.8	519.6	472.2	15.6
SMDH 00248	813414.63	8193265.71	167.18	12.0	12.5	80.0	4900.0	2.4	15.7	1081.8	48.1	769.6	85.3	245.7	156.4	254.2	275.3	2.2	12.0	1.2	440.8	469.9	425.9	14.8
SMDH 00247	813534.51	8193262.87	170.16	0.0	1.0	25.0	5051.1	2.4	17.0	1008.1	55.6	796.9	103.6	298.4	189.9	308.8	334.4	2.1	13.1	1.5	536.9	571.4	520.8	16.1
SMDH 00247	813534.51	8193262.87	170.16	1.0	2.0	55.0	5348.2	2.9	17.7	1027.5	54.4	757.4	104.3	300.3	191.1	310.7	336.5	2.6	13.6	1.2	414.3	446.2	396.5	17.7
SMDH 00247	813534.51	8193262.87	170.16	2.0	3.0	35.0	5782.3	3.2	16.8	1464.3	65.9	773.1	94.2	271.4	172.8	280.9	304.2	2.9	12.5	1.1	366.1	406.8	346.4	19.8
SMDH 00247	813534.51	8193262.87	170.16	3.0	4.0	45.0	5342.9	2.9	17.8	932.0	66.9	923.3	111.9	322.3	205.2	333.6	361.2	2.6	13.8	1.1	350.7	392.8	331.6	19.1
SMDH 00247	813534.51	8193262.87	170.16	4.0	5.0	25.0	5204.9	2.8	16.3	1151.6	61.7	742.3	99.0	285.0	181.4	295.0	319.4	2.5	12.4	1.1	399.3	437.4	381.7	17.6
SMDH 00247	813534.51	8193262.87	170.16	5.0	6.0	96.0	4827.3	2.5	15.4	1020.2	64.8	721.5	99.8	287.6	183.0	297.6	322.3	2.2	11.8	1.1	409.5	450.0	390.7	18.8
SMDH 00247	813534.51	8193262.87	170.16	6.0	7.0	85.0	4666.3	2.5	14.8	1010.7	46.9	712.1	88.3	254.5	162.0	263.3	285.2	2.2	11.3	1.0	379.8	408.4	366.0	13.8
SMDH 00247	813534.51	8193262.87	170.16	7.0	8.0	95.0	5566.1	2.9	17.5	1204.0	69.0	870.4	107.2	308.7	196.5	319.5	346.0	2.6	13.4	1.2	483.6	527.4	464.5	19.1
SMDH 00247	813534.51	8193262.87	170.16	8.0	9.0	95.0	5390.5	2.9	17.4	1149.9	74.5	638.5	109.3	314.7	200.3	325.7	352.7	2.5	13.5	1.1	472.1	518.1	449.8	22.2
SMDH 00247	813534.51	8193262.87	170.16	9.0	10.0	96.0	6151.0	3.2	19.5	1342.7	66.3	1073.0	93.1	268.1	170.6	277.4	300.4	2.9	15.3	1.0	562.2	602.8	542.4	19.8
SMDH 00247	813534.51	8193262.87	170.16	10.0	11.0	98.0	4792.2	2.4	13.1	1369.5	59.0	937.8	71.4	205.6	130.9	212.8	230.4	2.1	9.7	0.9	509.4	549.2	495.2	14.3
SMDH 00247	813534.51	8193262.87	170.16	11.0	12.0	95.0	4315.6	2.3	12.4	1169.2	48.2	647.8	64.1	184.6	117.5	191.0	206.9	2.0	9.3	0.9	428.1	460.5	416.6	11.5
SMDH 00247	813534.51	8193262.87	170.16	12.0	13.0	98.0	4144.4	2.1	12.3	957.8	61.4	963.4	70.2	202.3	128.8	209.3	226.7	1.8	9.3	0.8	379.9	421.9	365.6	14.3
SMDH 00247	813534.51	8193262.87	170.16	13.0	14.0	95.0	5168.8	2.7	16.0	1101.6	77.7	1039.4	91.9	264.7	168.5	274.0	296.7	2.4	12.2	1.1	464.5	518.2	446.5	18.0
SMDH 00247	813534.51	8193262.87	170.16	14.0	15.0	98.0	3516.9	1.8	11.2	766.6	47.0	504.0	58.5	168.6	107.3	174.5	188.9	1.6	8.6	0.8	319.3	351.2	308.1	11.2
SMDH 00246	813650.40	8193267.44	169.22	0.0	1.0	98.0	2791.5	1.3	8.3	726.1	44.9	508.3	39.7	114.4	72.8	118.4	128.2	1.1	6.4	0.6	325.1	355.4	314.2	10.9
SMDH 00246	813650.40	8193267.44	169.22	1.0	2.0	20.0	4586.6	2.5	13.4	1164.0	49.2	686.3	70.0	201.7	128.4	208.8	226.1	2.2	10.0	0.8	363.1	396.3	351.2	11.9
SMDH 00246	813650.40	8193267.44	169.22	2.0	3.0	30.0	4822.5	2.7	12.2	1450.6	49.1	892.1	68.3	196.8	125.3	203.6	220.5	2.4	8.6	0.8	438.1	466.8	422.2	15.9
SMDH 00246	813650.40	8193267.44	169.22	3.0	4.0	40.0	5297.5	2.7	14.3	1579.6	76.1	777.8	88.7	255.5	162.6	264.4	286.3	2.3	10.4	1.3	640.3	690.3	621.0	19.4
SMDH 00246	813650.40	8193267.44	169.22	4.0	5.0	55.0	5087.9	2.7	15.7	1182.7	77.8	699.9	94.2	271.3	172.7	280.8	304.0	2.3	11.8	1.2	476.8	528.1	456.5	20.3
SMDH 00246	813650.40	8193267.44	169.22	5.0	6.0	90.0	4500.1	2.3	13.5	1093.1	78.9	678.0	80.5	231.9	147.6	240.0	259.9	2.0	10.1	1.2	443.9	495.3	423.0	20.9
SMDH 00246	813650.40	8193267.44	169.22	6.0	7.0	50.0	4632.4	2.4	14.3	1072.8	71.3	649.8	86.5	249.1	158.6	257.8	279.1	2.1	10.7	1.2	428.7	474.4	409.3	19.4
SMDH 00245	813771.46	8193268.92	166.08	0.0	1.0	15.0	6121.6	2.8	17.6	1881.7	97.2	875.4	79.9	230.0	146.4	238.1	257.8	2.4	14.0	0.8	914.3	977.9	888.9	25.4
SMDH 00245	813771.46	8193268.92	166.08	1.0	2.0	25.0	5490.0	2.6	15.7	1540.8	91.7	846.8	92.4	266.2	169.5	275.5	298.3	2.3	11.8	1.3	764.9	825.2	741.7	23.2
SMDH 00245	813771.46	8193268.92	166.08	2.0	3.0	50.0	5570.2	3.2	14.8	1718.1	54.8	497.9	73.5	211.6	134.7	219.0	237.1	2.8	10.6	1.0	417.9	454.5	404.5	13.4
SMDH 00245	813771.46	8193268.92	166.08	3.0	4.0	40.0	6842.0	4.1	19.9	1846.5	47.8	522.2	67.5	194.5	123.8	201.3	217.9	3.8	14.7	1.1	397.6	428.7	385.3	12.3
SMDH 00245	813771.46	8193268.92	166.08	4.0	5.0	40.0	5566.1	3.3	13.6	1850.8	57.7	505.3	73.5	211.6	134.7	219.0	237.1	2.9	9.3	1.1	456.0	493.7	441.7	14.3
SMDH 00245	813771.46	8193268.92	166.08	5.0	6.0	95.0	5240.4	3.1	15.8	1223.7	40.7	653.0	83.5	240.6	153.1	249.0	269.6	2.8	11.8	0.9	382.9	407.0	370.6	12.3
SMDH 00245	813771.46	8193268.92	166.08	6.0	7.0	90.0	6260.0	3.5	20.0	1355.7	33.6	765.1	121.1	348.8	222.0	361.0	390.9	3.1	15.5	1.1	517.9	537.6	508.7	9.2
SMDH 00245	813771.46	8193268.92	166.08	7.0	8.0	75.0	5245.3	2.9	15.3	1415.4	28.2	540.5	87.7	252.7	160.8	261.5	283.2	2.6	11.5	1.0	468.6	484.8	460.6	8.0
SMDH 00245	813771.46	8193268.92	166.08	8.0	9.0	75.0	4950.8	2.7	15.5	1168.1	29.8	489.9	84.1	242.1	154.1	250.6	271.3	2.5	11.7	1.0	388.7	405.8	379.8	8.9
SMDH 00245	813771.46	8193268.92	166.08	9.0	10.0	95.0	4846.4	2.7	14.6	1215.1	30.6	668.5	80.4	231.5	147.4	239.6	259.5	2.4	11.1	0.8	425.6	443.0	415.9	9.6
SMDH 00245	813771.46	8193268.92	166.08	10.0	11.0	70.0	5502.9	3.0	17.6	1248.6	36.1	531.4	97.2	279.9	178.2	289.7	313.7	2.7	13.6	1.0	456.1	477.1	445.2	10.9
SMDH 00245	813771.46	8193268.92	166.08	11.0	12.0	98.0	5902.6	3.3	18.0	1428.5	40.3	790.1	87.0	250.4	159.4	259.2	280.7	2.9	13.7	1.1	468.5	492.7	456.6	11.9
SMDH 00245	813771.46	8193268.92	166.08	12.0	13.0	60.0	6119.4	3.0	20.1	1304.8	65.1	938.3	113.7	327.6	208.5	339.0	367.1	2.7	15.7	1.3	618.4	658.1	599.2	19.2
SMDH 00244	813899.35	8193264.50	166.26	0.0	1.0	55.0	5649.2	3.0	19.4	1084.7	59.8	598.4	89.3	257.2	163.7	266.2	288.3	2.7	15.2	1.1	424.8	461.3	407.3	17.5
SMDH 00244	813899.35	8193264.50	166.26	1.0	2.0	25.0	5753.1	3.0	19.2	1192.0	91.7	668.4	79.1	227.9	145.0	235.8	255.4	2.7	15.0	1.2	617.2	676.4	592.4	24.7
SMDH 00244	813899.35	8193264.50	166.26	2.0	3.0	95.0	5696.6	3.0	17.7	1249.9	90.1	990.4	104.4	300.7	191.4	311.2	337.0	2.6	13.7	1.0	530.3	584.7	501.8	28.5
SMDH 00244	813899.35	8193264.50	166.26	3.0	4.0	30.0	16781.0	19.6	42.4	1306.0	79.6	869.8	474.6	1366.9	870.1	1414.6	1531.8	18.8	22.0	0.7	525.9	575.9	503.8	22.1
SMDH 00244	813899.35	8193264.50	166.26	4.0	5.0	90.0	6202.0	3.4	18.3	1589.0	77.7	827.1	111.1	319.9	203.7	331.1	358.6	3.0	14.0	1.0	566.2	613.9	542.7	23.6
SMDH 00244	813899.35	8193264.50	166.26	5.0	6.0	98.0	5978.2	3.3	18.9	1335.9	61.6	763.1	115.2	331.8	211.2	343.4	371.8	2.9	14.5	1.1	528.9	565.9	509.8	19.2
SMDH 00244	813899.35	8193264.50	166.26	6.0	7.0	75.0	5588.2	2.9	16.1	1502.7	53.7	731.4	105.6	304.1	193.6	314.7	340.8	2.6	11.8	1.4	597.3	629.5	580.6	16.6
SMDH 00244	813899.35	8193264.50	166.26	7.0	8.0	70.0	5001.5	2.6	14.7	1283.0	52.6	634.2	95.4	274.8	174.9	284.4	308.0	2.3	10.6	1.4	487.7	519.9	471.9	15.8
SMDH 00244	813899.35	8193264.50	166.26	8.0	9.0	85.0	5466.5	2.9	15.9	1396.3	87.9	669.1	104.4	300.6	191.4	311.1	336.9	2.6	11.5	1.4	485.5	541.0	459.8	25.7
SMDH 00244	813899.35	8193264.50	166.26	9.0	10.0	98.0	4669.3	2.4	13.7	1159.6	79.7	665.3	92.3	265.7	169.2	275.0	297.8	2.1	10.1	1.2	455.2	505.6	432.5	22.7
SMDH 00244	813899.35	8193264.50	166.26	10.0	11.0	90.0	4066.5	2.1	11.8	980.4	74.1	800.2	76.3	219.7	139.9	227.4	246.2	1.8	8.8	1.0	403.3	450.6	382.2	21.1
SMDH 00244	813899.35	8193264.50	166.26	11.0	12.0	98.0	3937.6	2.1	11.7	960.0	58.1	618.5	72.2	207.8	132.3	215.1	232.9	1.8	8.7	0.9	373.1	409.6	356.0	17.0
SMDH 00244	813899.35	8193264.50	166.26	12.0	13.0	98.0	6121.9	3.3	18.5	1483.2	63.5	727.9	127.9	368.2	234.4	381.1	412.7	2.9	13.7	1.5	587.3	625.4	567.3	20.0
SMDH 00244	813899.35	8193264.50	166.26	13.0	14.0	75.0	6024.0	3.3	17.9	1486.5	57.2	809.0	128.8	371.1	236.2	384.0	415.9	2.9	13.2	1.4	568.4	602.8	551.0	17.4
SMDH 00243	814016.17	8193261.87	163.49	0.0	1.0	40.0	4673.3	2.0	12.1	1479.3	69.0	1375.5	63.2	182.1	115.9	188.4	204.0	1.6	9.2	0.9	781.2	823.3	760.3	20.9
SMDH 00243	814016.17	8193261.87	163.49	1.0	2.0	50.0	4127.7	2.0	9.5	1551.3	62.0	638.6	54.8	157.9	100.5	163.4	177.0	1.7	6.7	0.9	611.2	652.3	595.7	15.5
SMDH 00243	814016.17	8193261.87	163.49	2.0	3.0	60.0	4779.1	2.1	12.5	1589.4	76.7	743.2	81.7	235.2	149.7	243.5	263.6	1.8	9.3	1.1	838.4	888.1	818.3	20.2
SMDH 00243	814016.17	8193261.87	163.49	3.0	4.0	30.0	5892.0	3.1	15.2	1937.8	72.9	650.6	90.3	260.1	165.6	269.2	291.5	2.7	10.9	1.1	706.1	754.2	687.3	18.7
SMDH 00243	814016.17	8193261.87	163.49	4.0	5.0	15.0	8037.7	4.6	19.2	2838.5	96.5	721.8	71.3	205.3	130.7	212.4	230.1	4.1	13.1	1.5	823.2	884.6	796.8	26.4
SMDH 00243	814016.17	8193261.87	163.49	5.0	6.0	95.0	6913.8	3.9	16.3	2403.8	70.9	878.0	104.2	300.1	191.0	310.6	336.3	3.4	11.3	1.2	675.9	723.1	658.3	17.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00243	814016.17	8193261.87	163.49	6.0	7.0	50.0	7805.7	4.9	17.2	2842.7	69.3	715.4	94.9	273.3	173.9	282.8	306.2	4.4	11.3	1.0	732.3	776.9	713.3	18.9
SMDH 00243	814016.17	8193261.87	163.49	7.0	8.0	95.0	6284.3	3.2	17.1	1886.6	83.7	865.4	107.8	310.6	197.7	321.4	348.0	2.8	12.6	1.2	782.5	837.6	760.4	22.0
SMDH 00243	814016.17	8193261.87	163.49	8.0	9.0	30.0	5887.8	3.0	16.5	1661.1	79.5	844.7	93.7	269.9	171.8	279.4	302.5	2.7	12.2	1.3	659.6	712.7	639.5	20.1
SMDH 00242	814130.92	8193264.00	161.64	0.0	1.0	20.0	3429.1	1.4	8.9	1001.1	73.0	1292.0	57.3	165.1	105.1	170.9	185.0	1.0	7.0	0.6	602.3	650.4	583.1	19.2
SMDH 00242	814130.92	8193264.00	161.64	1.0	2.0	50.0	6464.3	2.5	15.5	2563.1	112.6	1250.0	78.3	225.4	143.5	233.2	252.6	2.0	12.1	0.9	1464.4	1532.5	1430.9	33.5
SMDH 00242	814130.92	8193264.00	161.64	2.0	3.0	45.0	5339.0	2.7	17.4	1175.6	62.4	620.3	86.4	248.8	158.4	257.5	278.9	2.4	13.5	1.2	525.6	566.0	508.9	16.7
SMDH 00242	814130.92	8193264.00	161.64	3.0	4.0	95.0	5189.6	3.1	13.7	1508.3	56.7	531.2	73.8	212.5	135.3	219.9	238.1	2.8	9.6	1.0	407.8	443.8	392.1	15.7
SMDH 00242	814130.92	8193264.00	161.64	4.0	5.0	55.0	3923.9	2.1	11.0	1056.1	44.6	569.3	61.1	176.1	112.1	182.2	197.3	1.9	7.9	1.0	332.1	360.1	319.3	12.8
SMDH 00242	814130.92	8193264.00	161.64	5.0	6.0	35.0	6973.5	3.9	19.2	1867.7	99.3	949.6	112.2	323.1	205.7	334.4	362.1	3.5	13.6	1.7	559.8	624.5	532.8	27.0
SMDH 00241	814258.83	8193264.74	161.09	0.0	1.0	25.0	4188.4	1.7	11.0	1353.6	78.9	1107.6	71.0	204.6	130.3	211.8	229.3	1.3	8.5	0.9	860.3	910.0	838.3	21.9
SMDH 00241	814258.83	8193264.74	161.09	1.0	2.0	35.0	4788.1	2.2	11.6	1600.6	72.8	1188.3	68.4	197.1	125.5	204.0	220.9	1.9	8.4	1.0	786.9	831.8	766.1	20.8
SMDH 00241	814258.83	8193264.74	161.09	2.0	3.0	45.0	5740.0	3.2	15.1	1742.2	44.0	609.8	90.0	259.3	165.1	268.4	290.6	2.8	10.3	1.6	593.1	618.9	579.9	13.2
SMDH 00241	814258.83	8193264.74	161.09	3.0	4.0	45.0	3427.5	1.8	9.8	929.5	18.6	295.5	56.4	162.4	103.4	168.0	182.0	1.6	6.7	1.3	289.0	299.7	283.6	5.4
SMDH 00241	814258.83	8193264.74	161.09	4.0	5.0	80.0	4103.2	2.3	12.4	965.8	26.8	574.3	78.0	224.6	143.0	232.4	251.7	2.0	9.1	1.0	349.1	364.5	341.0	8.2
SMDH 00241	814258.83	8193264.74	161.09	5.0	6.0	80.0	8668.0	6.2	17.5	3087.9	45.9	661.2	86.9	250.4	159.4	259.1	280.6	5.8	9.9	1.3	449.8	479.9	438.9	10.8
SMDH 00241	814258.83	8193264.74	161.09	6.0	7.0	90.0	4759.5	2.8	12.6	1345.2	44.0	573.2	70.8	204.0	129.8	211.1	228.6	2.5	8.7	1.1	379.3	408.0	367.6	11.7
SMDH 00241	814258.83	8193264.74	161.09	7.0	8.0	45.0	5125.1	2.8	14.8	1292.7	75.2	785.1	89.7	258.5	164.5	267.5	289.7	2.5	11.0	1.0	490.4	540.6	471.3	19.1
SMDH 00241	814258.83	8193264.74	161.09	8.0	9.0	95.0	3185.4	1.7	8.5	914.2	27.6	555.6	53.4	153.9	98.0	159.3	172.5	1.5	5.9	0.9	304.2	321.6	296.8	7.3
SMDH 00241	814258.83	8193264.74	161.09	9.0	10.0	95.0	4357.9	2.3	12.3	1180.4	37.6	690.8	80.8	232.7	148.1	240.8	260.8	2.0	8.9	1.0	437.6	461.4	427.7	9.9
SMDH 00241	814258.83	8193264.74	161.09	10.0	10.5	60.0	4156.2	2.3	10.4	1309.4	31.3	555.5	59.1	170.1	108.3	176.0	190.6	2.0	6.8	1.2	285.0	305.5	277.3	7.7
SMDH 00240	814374.98	8193263.40	160.71	0.0	1.0	15.0	4367.4	2.4	11.6	1244.9	43.4	891.9	56.3	162.0	103.1	167.7	181.6	2.1	8.5	0.6	396.1	424.9	385.3	10.8
SMDH 00240	814374.98	8193263.40	160.71	1.0	2.0	40.0	6195.4	4.1	13.4	2191.3	29.1	492.4	68.8	198.1	126.1	205.0	222.0	3.8	8.2	1.0	326.5	344.7	318.8	7.7
SMDH 00240	814374.98	8193263.40	160.71	2.0	3.0	50.0	7011.7	4.8	14.6	2530.1	54.4	583.2	70.3	202.5	128.9	209.6	226.9	4.4	8.9	0.9	434.6	470.5	421.2	13.4
SMDH 00240	814374.98	8193263.40	160.71	3.0	4.0	60.0	8849.9	6.8	15.3	3510.0	43.3	547.3	66.7	192.2	122.4	198.9	215.4	6.3	7.8	0.8	335.4	361.7	323.2	12.2
SMDH 00240	814374.98	8193263.40	160.71	4.0	5.0	40.0	6697.8	4.2	15.6	2225.7	64.2	602.9	82.4	237.3	151.1	245.6	266.0	3.9	10.2	1.2	462.0	500.8	442.5	19.5
SMDH 00240	814374.98	8193263.40	160.71	5.0	6.0	45.0	7481.4	4.9	15.2	2856.7	67.9	478.4	79.6	229.2	145.9	237.2	256.8	4.5	9.1	1.1	498.5	538.7	477.3	21.2
SMDH 00240	814374.98	8193263.40	160.71	6.0	7.0	48.0	6373.9	3.7	16.1	2053.6	59.2	670.0	93.7	269.8	171.7	279.2	302.3	3.3	11.3	1.1	487.8	522.4	469.0	18.8
SMDH 00240	814374.98	8193263.40	160.71	7.0	8.0	70.0	7055.4	3.9	17.2	2404.6	95.1	735.5	101.7	292.8	186.4	303.0	328.2	3.5	12.0	1.3	667.6	729.7	642.5	25.2
SMDH 00239	814493.80	8193257.14	159.95	0.0	1.0	40.0	7222.8	3.4	16.2	1804.4	98.5	4420.2	99.4	286.2	182.2	296.2	320.7	2.6	11.5	1.3	675.8	740.7	650.7	25.1
SMDH 00239	814493.80	8193257.14	159.95	1.0	2.0	40.0	9059.2	5.4	15.3	2885.3	53.3	4881.2	65.9	189.9	120.9	196.5	212.8	4.6	8.7	1.2	310.4	344.8	296.7	13.7
SMDH 00239	814493.80	8193257.14	159.95	2.0	3.0	40.0	9657.6	5.4	18.2	2530.0	78.4	6348.6	87.3	251.5	160.1	260.3	281.9	4.4	11.3	1.5	450.8	503.5	432.3	18.5
SMDH 00239	814493.80	8193257.14	159.95	3.0	4.0	30.0	8566.0	4.9	13.3	2473.8	60.0	6300.7	57.9	166.7	106.1	172.6	186.9	4.0	7.3	1.1	338.3	378.6	324.0	14.4
SMDH 00239	814493.80	8193257.14	159.95	4.0	5.0	45.0	10418.4	5.4	14.6	2520.3	68.9	10825.9	56.2	161.9	103.1	167.5	181.4	4.0	7.9	1.2	433.0	478.9	416.8	16.1
SMDH 00239	814493.80	8193257.14	159.95	5.0	6.0	70.0	7897.7	5.5	14.1	3218.5	69.9	472.9	53.9	155.2	98.8	160.6	173.9	5.1	7.4	1.2	342.8	390.0	326.1	16.8
SMDH 00239	814493.80	8193257.14	159.95	6.0	7.0	85.0	6393.3	4.2	12.8	2443.6	68.4	509.1	51.9	149.4	95.1	154.6	167.4	3.8	7.5	1.1	457.9	504.8	442.3	15.7
SMDH 00239	814493.80	8193257.14	159.95	7.0	8.0	80.0	4784.1	2.7	13.7	1199.0	49.3	670.2	81.8	235.6	150.0	243.8	264.0	2.4	9.8	1.2	438.7	470.2	425.4	13.3
SMDH 00239	814493.80	8193257.14	159.95	8.0	9.0	85.0	5225.9	3.1	14.5	1288.5	58.8	770.5	89.3	257.3	163.8	266.3	288.3	2.8	10.1	1.3	390.6	432.0	378.1	12.5
SMDH 00239	814493.80	8193257.14	159.95	9.0	10.0	55.0	5702.8	3.4	15.4	1523.6	67.9	755.4	96.6	278.1	177.0	287.8	311.7	3.0	10.8	1.2	422.9	470.7	408.4	14.5
SMDH 00239	814493.80	8193257.14	159.95	10.0	11.0	75.0	4849.4	2.7	14.2	1211.2	65.4	502.4	83.8	241.3	153.6	249.8	270.5	2.4	10.2	1.3	413.9	460.1	400.2	13.7
SMDH 00239	814493.80	8193257.14	159.95	11.0	12.0	70.0	4856.8	2.6	15.1	1024.5	76.5	764.0	94.1	271.1	172.6	280.6	303.8	2.3	11.2	1.3	443.7	497.3	427.0	16.7
SMDH 00239	814493.80	8193257.14	159.95	12.0	13.0	80.0	5074.8	2.7	14.2	1365.5	83.9	686.6	90.1	259.4	165.1	268.4	290.7	2.4	10.2	1.2	463.6	522.7	445.5	18.0
SMDH 00239	814493.80	8193257.14	159.95	13.0	13.5	40.0	4539.5	2.4	13.4	1076.4	67.1	731.8	85.0	244.8	155.8	253.3	274.3	2.1	9.8	1.2	403.0	450.2	389.0	14.0
SMDH 00256	814545.49	8193139.67	159.68	0.0	1.0	5.0	5683.5	2.8	17.5	1212.4	116.7	1085.9	139.9	402.9	256.5	416.9	451.5	2.4	13.2	1.5	549.2	633.8	526.0	23.2
SMDH 00256	814545.49	8193139.67	159.68	1.0	2.0	25.0	4848.1	2.4	14.0	1352.6	82.9	687.6	70.7	203.6	129.6	210.7	228.2	2.1	10.6	0.9	546.4	605.3	528.5	17.9
SMDH 00256	814545.49	8193139.67	159.68	2.0	3.0	35.0	3098.6	1.8	8.4	873.2	25.9	313.1	57.8	166.4	106.0	172.3	186.5	1.6	5.9	0.7	146.7	164.4	141.8	4.8
SMDH 00256	814545.49	8193139.67	159.68	3.0	4.0	20.0	9276.1	6.1	18.0	3672.2	53.3	905.2	61.5	177.0	112.7	183.2	198.4	5.6	10.8	1.0	500.5	532.4	485.6	14.9
SMDH 00256	814545.49	8193139.67	159.68	4.0	5.0	30.0	6229.2	4.4	10.7	2590.4	55.2	393.5	50.9	146.6	93.3	151.7	164.3	4.1	5.6	0.6	230.9	269.8	220.6	10.4
SMDH 00256	814545.49	8193139.67	159.68	5.0	6.0	80.0	5318.1	3.3	14.5	1438.8	56.8	387.4	104.7	301.7	192.0	312.2	338.1	2.9	9.9	1.3	234.1	275.4	224.3	9.8
SMDH 00256	814545.49	8193139.67	159.68	6.0	7.0	40.0	3810.9	2.2	10.8	1009.9	57.3	303.0	64.4	185.4	118.0	191.8	207.7	2.0	7.7	0.8	208.4	249.8	197.8	10.6
SMDH 00256	814545.49	8193139.67	159.68	7.0	8.0	35.0	4764.6	2.5	16.8	805.5	93.9	499.3	102.8	296.0	188.4	306.3	331.7	2.2	13.4	0.9	341.4	410.4	324.3	17.1
SMDH 00256	814545.49	8193139.67	159.68	8.0	9.0	90.0	4753.6	2.6	14.0	1151.4	68.0	525.0	91.9	264.8	168.6	274.0	296.8	2.3	10.1	1.3	331.0	380.5	318.9	12.1
SMDH 00256	814545.49	8193139.67	159.68	9.0	10.0	90.0	4874.6	2.6	15.8	976.9	60.7	689.1	112.5	324.0	206.3	335.3	363.1	2.3	12.1	1.1	374.6	417.6	363.1	11.4
SMDH 00256	814545.49	8193139.67	159.68	10.0	11.0	40.0	3971.9	2.1	13.3	745.7	36.3	457.5	98.5	283.7	180.6	293.6	318.0	1.9	10.2	1.0	219.3	245.1	212.6	6.7
SMDH 00256	814545.49	8193139.67	159.68	11.0	12.0	98.0	3813.5	2.1	10.6	1080.6	26.2	443.2	82.1	236.4	150.5	244.7	265.0	1.8	7.5	0.9	282.5	299.4	276.8	5.7
SMDH 00256	814545.49	8193139.67	159.68	12.0	12.5	70.0	6501.0	4.1	13.0	2540.9	37.4	576.7	85.4	245.9	156.5	254.5	275.6	3.7	7.7	1.2	291.6	317.6	284.2	7.4
SMDH 00257	814439.67	8193135.64	160.14	0.0	1.0	15.0	4743.3	2.4	11.2	1627.8	63.0	1057.9	58.9	169.7	108.0	175.6	190.2	2.0	8.0	0.9	625.5	665.5	608.3	17.2
SMDH 00257	814439.67	8193135.64	160.14	1.0	2.0	20.0	6777.2	3.6	15.4	2560.2	90.5	798.5	67.6	194.8	124.0	201.6	218.3	3.2	10.6	1.2	901.7	958.3	876.3	25.4
SMDH 00257	814439.67	8193135.64	160.14	2.0	3.0	25.0	7364.4	4.9	15.4	2725.6	47.0	495.7	98.8	284.7	181.2	294.6	319.0	4.4	9.4	1.1	378.6	413.0	371.1	7.5
SMDH 00257	814439.67	8193135.64	160.14	3.0	4.0	20.0	6354.1	4.5	10.6	2758.5	8.2	255.2	18.8	54.0	34.4	55.9	60.5	4.2	5.0	1.2	68.3	72.3	66.2	2.2
SMDH 00257	814439.67	8193135.64	160.14	4.0	5.0	25.0	4261.1	2.6	8.3	1665.1	37.7	471.0	54.8	157.9	100.5	163.4	177.0	2.3	4.6	1.1	262.8	290.0	256.4	6.3
SMDH 00257	814439.67	8193135.64	160.14	5.0	6.0	38.0	3476.7	2.1	8.1	1183.7	14.4	281.2	61.4	176.8	112.6	183.0	198.2	1.9	5.3	0.7	176.8	186.2	174.1	2.7
SMDH 00257	814439.67	8193135.64	160.14	6.0	7.0	50.0	5927.0	3.4	16.2	1675.9	47.9	636.3	121.2	349.0	222.1	361.2	391.1	3.0	11.7	1.1	418.9	452.8	410.7	8.2
SMDH 00257	814439.67	8193135.64	160.14	7.0	8.0	35.0	3955.6	2.2	10.9	1044.2	47.3	697.4	66.9	192.8	122.7	199.5	216.1	1.9	7.9	0.8	265.3	299.9	257.2	8.1
SMDH 00257	814439.67	8193135.64	160.14	8.0	9.0	85.0	5011.9	2.7	14.8	1243.1	82.3	689.4	106.1	305.5	194.4	316.1	342.3	2.3	11.0	1.0	437.0	497.3	423.2	13.8
SMDH 00257	814439.67	8193135.64	160.14	9.0	10.0	80.0	6625.2	3.7	18.8	1723.8	84.9	866.5	150.7	434.1	276.3	449.2	486.5	3.2	13.7	1.4	487.2	549.0	472.8	14.5
SMDH 00257	814439.67	8193135.64	160.14	10.0	11.0	90.0	5071.1	2.8	14.6	1272.6	44.5	711.1	114.6	330.1	210.1	341.6	369.9	2.5	10.6	1.2	364.0	395.9	356.7	7.3
SMDH 00257	814439.67	8193135.64	160.14	11.0	11.5	60.0	5018.7	2.7	14.0	1374.9	55.2	771.4	99.2	285.7	181.8	295.6	320.1	2.3	10.1	1.1	509.3	547.2	497.4	11.8
SMDH 00258	814316.91	8193146.81	161.26	0.0	1.0	20.0	4457.4	1.6	6.9	1966.3	108.1	2261.4	67.1	193.3	123.0	200.0	216.6	1.1	4.8	0.4	1034.3	1109.0	1009.9	24.5
SMDH 00258	814316.91	8193146.81	161.26	1.0	2.0	25.0	3989.1	2.3	11.3	1054.5	47.6	444.8	59.4	171.1	108.9	177.1	191.8	2.1	8.2	0.8	332.7	366.6	323.0	9.7
SMDH 00258	814316.91	8193146.81	161.26	2.0	3.0	30.0	6024.6	3.9	15.4	1744.8	56.8	473.4	86.7	249.8	159.0	258.6	280.0	3.6	10.3	1.2	370.6	411.0	359.4	11.2
SMDH 00258	814316.91	8193146.81	161.26	3.0	4.0	40.0	5177.7	3.0	15.0	1250.5	103.3	516.1	84.5	243.4	154.9	251.9	272.8	2.7	10.8	1.2	383.4	454.6	358.6	24.8
SMDH 00258	814316.91	8193146.81	161.26	4.0	5.0	40.0	6619.3	4.7	14.3	2217.0	40.5	481.8	64.7	186.2	118.6	192.7	208.7	4.3	8.3	1.3	296.6	321.5	285.1	11.5
SMDH 00258	814316.91	8193146.81	161.26	5.0	6.0	30.0	5303.1	3.3	14.6	1387.4	48.7	535.3	84.3	242.9	154.6	251.4	272.2	3.0	10.1	1.3	365.1	394.5	350.4	14.8
SMDH 00258	814316.91	8193146.81	161.26	6.0	7.0	25.0	5383.6	3.0	16.0	1301.5	56.0	597.4	92.4	266.0	169.3	275.3	298.1	2.7	11.6	1.4	430.6	463.8	413.1	17.6
SMDH 00258	814316.91	8193146.81	161.26	7.0	8.0	30.0	5568.7	3.3	14.6	1638.0	44.4	621.9	84.6	243.6	155.1	252.1	273.0	2.9	10.0	1.3	417.2	443.2	403.1	14.1
SMDH 00258	814316.91	8193146.81	161.26	8.0	9.0	80.0	5360.7	3.1	14.7	1388.6	19.6	913.5	106.8	307.7	195.9	318.5	344.8	2.8	10.3	1.2	287.7	298.9	282.0	5.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00258	814316.91	8193146.81	161.26	9.0	10.0	50.0	5253.8	3.1	15.4	1156.3	15.6	1028.2	112.0	322.6	205.4	333.9	361.5	2.7	11.1	1.2	159.9	168.2	155.4	4.5
SMDH 00258	814316.91	8193146.81	161.26	10.0	11.0	95.0	4519.8	2.5	12.5	1277.4	36.2	581.8	74.5	214.6	136.6	222.1	240.5	2.2	9.0	1.0	363.2	385.3	352.9	10.3
SMDH 00258	814316.91	8193146.81	161.26	11.0	11.5	50.0	4508.4	2.3	11.8	1355.2	81.3	758.0	72.7	209.3	133.2	216.6	234.6	2.0	8.4	1.2	457.9	514.8	440.3	17.6
SMDH 00259	814202.03	8193149.31	162.44	0.0	1.0	5.0	3649.3	1.3	7.9	1157.8	96.8	2164.7	50.4	145.2	92.4	150.3	162.8	0.9	6.2	0.4	688.8	757.3	669.8	18.9
SMDH 00259	814202.03	8193149.31	162.44	1.0	2.0	20.0	5037.0	2.6	17.0	801.0	58.2	1053.4	106.3	306.1	194.9	316.8	343.1	2.3	12.9	1.5	364.7	405.9	353.8	10.9
SMDH 00259	814202.03	8193149.31	162.44	2.0	3.0	35.0	4870.3	2.9	13.5	1342.2	31.8	358.7	83.3	239.8	152.6	248.2	268.7	2.6	9.5	1.2	189.1	211.7	183.5	5.6
SMDH 00259	814202.03	8193149.31	162.44	3.0	4.0	25.0	8058.9	5.3	14.2	3548.0	32.2	421.3	70.6	203.3	129.4	210.4	227.9	4.8	8.0	0.9	233.1	255.2	226.8	6.3
SMDH 00259	814202.03	8193149.31	162.44	4.0	5.0	45.0	5103.1	3.0	14.4	1346.8	57.2	562.5	85.3	245.8	156.4	254.3	275.4	2.7	10.4	1.0	299.2	340.1	288.8	10.4
SMDH 00259	814202.03	8193149.31	162.44	5.0	6.0	55.0	4380.2	2.4	13.6	951.2	44.3	556.1	84.0	242.0	154.1	250.5	271.3	2.2	10.1	1.1	273.5	304.4	265.0	8.5
SMDH 00259	814202.03	8193149.31	162.44	6.0	7.0	30.0	4704.8	2.4	13.8	1198.1	67.4	663.6	83.8	241.3	153.6	249.7	270.4	2.2	10.3	1.1	466.2	518.8	459.1	7.2
SMDH 00259	814202.03	8193149.31	162.44	7.0	8.0	50.0	5463.5	2.7	15.3	1551.8	86.1	902.9	93.3	268.8	171.1	278.2	301.3	2.3	11.4	1.2	707.6	769.7	691.0	16.6
SMDH 00259	814202.03	8193149.31	162.44	8.0	8.5	10.0	4048.0	2.3	12.1	1011.3	16.2	315.3	78.6	226.4	144.1	234.3	253.7	2.1	8.7	1.0	242.8	253.2	239.3	3.5
SMDH 00260	814080.81	8193141.47	163.24	0.0	1.0	15.0	4817.8	2.6	14.9	1203.6	47.5	357.5	42.5	122.4	77.9	126.6	137.1	2.3	10.9	1.5	496.0	527.0	484.1	11.9
SMDH 00260	814080.81	8193141.47	163.24	1.0	2.0	98.0	4710.6	2.5	13.8	1201.6	61.2	588.9	84.6	243.6	155.1	252.1	273.0	2.2	10.2	1.1	430.6	473.6	417.7	12.9
SMDH 00260	814080.81	8193141.47	163.24	2.0	3.0	90.0	4181.6	2.3	12.1	1111.8	49.8	416.4	77.6	223.4	142.2	231.2	250.4	2.0	8.9	0.9	337.7	373.4	327.8	9.9
SMDH 00260	814080.81	8193141.47	163.24	3.0	4.0	30.0	4689.5	2.6	12.1	1480.3	52.5	455.0	74.5	214.4	136.5	221.9	240.3	2.4	8.5	0.9	403.6	441.1	393.4	10.2
SMDH 00260	814080.81	8193141.47	163.24	4.0	5.0	75.0	3505.3	1.9	9.1	1082.2	37.0	448.4	55.5	159.9	101.8	165.5	179.2	1.7	6.4	0.8	302.6	328.4	294.6	8.0
SMDH 00260	814080.81	8193141.47	163.24	5.0	6.0	90.0	5079.1	2.8	14.0	1417.8	29.3	704.3	90.3	260.0	165.5	269.1	291.4	2.5	10.0	1.2	421.4	441.2	415.3	6.1
SMDH 00260	814080.81	8193141.47	163.24	6.0	7.0	85.0	3639.0	2.0	11.2	859.1	17.3	462.5	67.1	193.3	123.0	200.0	216.6	1.8	8.4	0.9	295.9	306.9	292.2	3.7
SMDH 00260	814080.81	8193141.47	163.24	7.0	7.5	60.0	3493.2	1.9	9.1	1017.8	17.8	590.9	55.8	160.7	102.3	166.3	180.0	1.7	6.2	1.0	236.5	247.9	232.6	3.9
SMDH 00261	813960.98	8193147.26	164.86	0.0	1.0	8.0	4080.2	1.8	13.6	918.2	57.3	889.2	41.0	118.0	75.1	122.2	132.3	1.5	11.3	0.5	561.9	601.5	548.9	12.9
SMDH 00261	813960.98	8193147.26	164.86	1.0	2.0	45.0	3382.0	1.7	9.9	918.3	31.1	472.5	52.3	150.6	95.9	155.9	168.8	1.5	7.4	0.8	428.0	447.9	420.5	7.5
SMDH 00261	813960.98	8193147.26	164.86	2.0	3.0	40.0	4175.6	2.3	10.4	1420.0	37.0	382.2	57.4	165.2	105.2	171.0	185.1	2.1	7.2	0.8	521.6	545.4	513.0	8.6
SMDH 00261	813960.98	8193147.26	164.86	3.0	4.0	30.0	4141.3	2.3	9.5	1542.6	29.8	379.7	59.5	171.4	109.1	177.3	192.0	2.0	6.4	0.8	564.7	583.3	557.6	7.1
SMDH 00261	813960.98	8193147.26	164.86	4.0	5.0	50.0	5030.8	2.9	11.8	1830.1	29.6	416.5	69.6	200.6	127.7	207.6	224.8	2.5	7.9	1.0	636.5	654.7	629.6	6.9
SMDH 00261	813960.98	8193147.26	164.86	5.0	6.0	98.0	4676.3	2.6	12.3	1478.2	31.6	413.1	75.2	216.7	137.9	224.3	242.8	2.3	8.8	0.9	519.7	540.1	512.5	7.2
SMDH 00261	813960.98	8193147.26	164.86	6.0	7.0	85.0	4027.7	2.2	9.2	1499.4	31.1	444.5	55.5	159.9	101.8	165.5	179.2	1.9	6.1	0.9	481.3	501.6	473.6	7.6
SMDH 00261	813960.98	8193147.26	164.86	7.0	8.0	80.0	3658.6	1.7	8.6	1441.6	30.9	452.5	51.8	149.1	94.9	154.3	167.1	1.4	6.1	0.8	654.5	673.7	647.1	7.3
SMDH 00262	813839.76	8193144.69	168.02	0.0	1.0	30.0	3416.5	1.4	10.3	935.2	52.0	534.8	61.6	177.5	113.0	183.7	198.9	1.2	7.8	1.0	565.1	600.2	553.1	12.0
SMDH 00262	813839.76	8193144.69	168.02	1.0	2.0	25.0	2756.3	1.3	7.9	817.6	52.2	305.7	44.6	128.3	81.7	132.8	143.8	1.1	5.8	0.8	391.9	427.9	380.4	11.5
SMDH 00262	813839.76	8193144.69	168.02	2.0	3.0	85.0	5050.7	2.5	14.8	1266.3	134.7	670.6	94.6	272.4	173.4	281.9	305.2	2.2	10.9	1.4	509.6	608.5	483.4	26.2
SMDH 00262	813839.76	8193144.69	168.02	3.0	4.0	70.0	4126.5	2.1	12.3	1033.8	102.4	514.0	73.8	212.6	135.3	220.0	238.2	1.8	9.2	1.1	440.9	515.8	421.1	19.8
SMDH 00262	813839.76	8193144.69	168.02	4.0	5.0	70.0	4569.1	2.3	13.6	1114.2	122.9	591.2	86.7	249.7	159.0	258.4	279.9	2.0	10.1	1.3	469.6	559.1	445.2	24.4
SMDH 00262	813839.76	8193144.69	168.02	5.0	6.0	85.0	3894.5	2.0	11.3	1012.6	93.4	528.0	69.9	201.2	128.1	208.2	225.5	1.7	8.3	1.0	414.3	482.6	395.8	18.5
SMDH 00262	813839.76	8193144.69	168.02	6.0	7.0	25.0	4678.1	2.5	12.6	1293.0	80.3	856.1	75.8	218.3	138.9	225.9	244.6	2.2	9.0	1.1	431.2	487.7	413.7	17.5
SMDH 00262	813839.76	8193144.69	168.02	7.0	8.0	40.0	4555.1	2.4	12.6	1278.1	52.1	672.5	72.4	208.6	132.8	215.9	233.8	2.1	9.1	1.1	438.4	470.8	423.4	15.0
SMDH 00262	813839.76	8193144.69	168.02	8.0	9.0	90.0	3872.0	2.0	11.3	1009.0	40.5	485.8	66.9	192.8	122.7	199.5	216.1	1.8	8.2	1.2	378.9	403.5	366.7	12.2
SMDH 00262	813839.76	8193144.69	168.02	9.0	10.0	80.0	4190.3	2.1	12.4	1049.7	54.8	624.3	75.8	218.3	138.9	225.9	244.6	1.9	9.2	1.1	449.0	482.5	432.3	16.7
SMDH 00262	813839.76	8193144.69	168.02	10.0	11.0	25.0	3977.4	2.1	11.2	1127.7	45.4	425.0	60.5	174.2	110.9	180.3	195.3	1.9	8.0	1.0	365.5	393.1	351.6	13.9
SMDH 00262	813839.76	8193144.69	168.02	11.0	12.0	40.0	4243.0	2.2	12.2	1128.4	48.9	580.9	74.8	215.6	137.2	223.1	241.6	1.9	8.8	1.2	418.9	448.6	403.9	15.0
SMDH 00263	813715.55	8193139.28	168.60	0.0	1.0	30.0	4013.4	1.8	11.7	1027.0	56.4	1005.9	71.3	205.2	130.6	212.4	230.0	1.5	8.8	1.2	547.2	581.8	530.4	16.8
SMDH 00263	813715.55	8193139.28	168.60	1.0	2.0	20.0	4216.7	2.3	12.2	1088.3	46.0	504.3	74.4	214.1	136.3	221.6	240.0	2.0	8.9	1.1	368.3	396.5	354.4	13.9
SMDH 00263	813715.55	8193139.28	168.60	2.0	3.0	35.0	4439.2	2.3	12.3	1167.9	43.0	991.1	78.4	225.8	143.8	233.7	253.1	2.0	9.0	1.0	483.9	511.4	472.8	11.1
SMDH 00263	813715.55	8193139.28	168.60	3.0	4.0	80.0	5353.8	2.9	15.2	1371.6	53.2	859.7	98.3	283.1	180.2	292.9	317.2	2.6	10.9	1.3	462.9	500.4	451.8	11.1
SMDH 00263	813715.55	8193139.28	168.60	4.0	5.0	30.0	4529.4	2.4	13.3	1129.4	51.4	715.1	82.3	237.0	150.8	245.2	265.6	2.1	9.7	1.2	445.6	481.6	434.7	10.9
SMDH 00263	813715.55	8193139.28	168.60	5.0	6.0	90.0	6470.7	3.7	16.0	2079.8	54.9	893.8	93.1	268.2	170.7	277.6	300.6	3.3	11.1	1.2	492.0	529.6	479.6	12.4
SMDH 00263	813715.55	8193139.28	168.60	6.0	7.0	50.0	4500.5	2.3	13.1	1091.9	77.5	796.0	78.3	225.4	143.5	233.3	252.6	2.0	9.6	1.2	410.2	465.4	394.1	16.1
SMDH 00263	813715.55	8193139.28	168.60	7.0	8.0	80.0	4106.1	2.1	12.1	992.9	75.9	649.6	72.0	207.3	132.0	214.6	232.4	1.8	8.8	1.2	376.3	431.1	361.2	15.1
SMDH 00263	813715.55	8193139.28	168.60	8.0	9.0	90.0	4633.1	2.5	13.2	1209.3	75.2	627.5	76.0	218.9	139.3	226.5	245.3	2.2	9.6	1.2	390.9	444.8	375.6	15.4
SMDH 00263	813715.55	8193139.28	168.60	9.0	10.0	96.0	4200.6	2.2	12.5	979.5	73.4	644.6	74.2	213.6	136.0	221.1	239.4	2.0	9.1	1.2	359.9	412.6	344.6	15.2
SMDH 00263	813715.55	8193139.28	168.60	10.0	11.0	90.0	3869.4	1.9	11.5	888.7	75.6	777.2	69.1	199.1	126.8	206.1	223.2	1.7	8.5	1.1	380.3	432.2	362.2	18.1
SMDH 00264	813599.22	8193142.02	169.88	0.0	1.0	30.0	5986.7	2.8	19.7	1249.8	75.7	1136.6	148.7	428.3	272.6	443.2	480.0	2.3	15.6	1.3	683.9	730.8	661.5	22.4
SMDH 00264	813599.22	8193142.02	169.88	1.0	2.0	60.0	5198.0	2.6	18.5	846.9	51.5	746.8	110.1	317.2	201.9	328.3	355.5	2.3	14.4	1.6	404.0	435.3	388.1	15.9
SMDH 00264	813599.22	8193142.02	169.88	2.0	3.0	90.0	4909.3	2.6	15.0	1175.1	61.1	611.8	86.1	248.0	157.8	256.6	277.9	2.3	11.1	1.3	428.1	466.2	410.2	17.9
SMDH 00264	813599.22	8193142.02	169.88	3.0	4.0	40.0	4706.0	2.4	14.5	1101.4	82.5	616.3	79.7	229.5	146.1	237.5	257.1	2.1	10.8	1.3	457.2	508.5	432.6	24.6
SMDH 00264	813599.22	8193142.02	169.88	4.0	5.0	55.0	5134.8	2.7	15.7	1188.2	88.9	682.1	85.3	245.5	156.3	254.1	275.2	2.4	11.6	1.4	435.5	492.5	410.4	25.0
SMDH 00264	813599.22	8193142.02	169.88	5.0	6.0	25.0	5982.9	3.4	15.8	1759.0	66.5	701.9	88.9	256.0	163.0	264.9	286.9	3.1	11.0	1.3	429.6	471.0	410.0	19.7
SMDH 00264	813599.22	8193142.02	169.88	6.0	7.0	50.0	4896.1	2.7	13.5	1367.7	64.2	687.0	72.1	207.7	132.2	215.0	232.8	2.4	9.7	1.1	434.3	474.5	415.5	18.8
SMDH 00264	813599.22	8193142.02	169.88	7.0	8.0	50.0	4984.9	2.8	13.8	1349.3	62.3	700.9	83.6	240.7	153.2	249.1	269.8	2.4	9.8	1.2	419.3	461.0	404.2	15.0
SMDH 00264	813599.22	8193142.02	169.88	8.0	9.0	98.0	4034.6	2.2	10.8	1152.3	41.0	636.0	65.1	187.6	119.4	194.2	210.2	2.0	7.6	0.9	368.2	392.8	356.1	12.1
SMDH 00264	813599.22	8193142.02	169.88	9.0	10.0	60.0	4956.4	2.9	11.1	1728.5	46.6	745.7	60.7	174.8	111.3	180.9	195.9	2.6	7.3	0.9	328.2	360.7	318.5	9.7
SMDH 00264	813599.22	8193142.02	169.88	10.0	11.0	70.0	3722.0	2.1	9.6	1100.3	42.6	582.5	54.2	156.2	99.4	161.7	175.1	1.9	6.7	0.8	272.4	301.7	263.0	9.5
SMDH 00264	813599.22	8193142.02	169.88	11.0	11.5	50.0	4658.5	2.8	11.3	1622.2	31.8	182.2	29.9	86.2	54.9	89.2	96.6	2.6	7.4	1.1	317.6	338.1	309.9	7.8
SMDH 00265	813483.56	8193137.29	171.52	0.0	1.0	20.0	4386.2	2.6	15.7	577.6	43.9	846.0	43.5	125.2	79.7	129.6	140.4	2.4	12.8	0.4	327.4	358.0	317.6	9.8
SMDH 00265	813483.56	8193137.29	171.52	1.0	2.0	15.0	6440.9	4.3	16.2	1917.1	39.3	539.1	72.0	207.2	131.9	214.5	232.2	3.9	10.8	1.1	259.3	286.7	251.1	8.2
SMDH 00265	813483.56	8193137.29	171.52	2.0	3.0	80.0	4128.0	2.1	12.5	956.4	80.2	639.1	77.9	224.3	142.7	232.1	251.3	1.8	9.4	1.1	395.0	452.7	378.8	16.3
SMDH 00265	813483.56	8193137.29	171.52	3.0	4.0	25.0	4250.2	2.1	12.0	1082.4	82.2	1032.3	75.2	216.5	137.8	224.1	242.6	1.7	9.0	0.9	492.3	549.9	473.9	18.4
SMDH 00265	813483.56	8193137.29	171.52	4.0	5.0	30.0	3676.7	1.9	11.1	849.3	74.0	592.9	69.5	200.3	127.5	207.2	224.4	1.6	8.3	1.0	340.2	394.4	325.9	14.3
SMDH 00265	813483.56	8193137.29	171.52	5.0	6.0	30.0	5451.0	2.8	16.2	1322.6	119.4	837.6	99.6	286.8	182.6	296.9	321.5	2.4	12.2	1.3	543.3	629.3	519.0	24.3
SMDH 00265	813483.56	8193137.29	171.52	6.0	7.0	30.0	5664.1	2.9	15.8	1507.9	132.2	883.6	95.6	275.3	175.2	284.9	308.5	2.6	11.6	1.3	578.3	673.7	551.3	27.0
SMDH 00265	813483.56	8193137.29	171.52	7.0	8.0	20.0	4929.3	2.6	13.9	1305.6	71.7	619.2	81.4	234.4	149.2	242.5	262.6	2.4	9.9	1.4	390.8	440.9	374.9	15.9
SMDH 00265	813483.56	8193137.29	171.52	8.0	9.0	30.0	6954.9	3.9	21.8	1466.7	97.8	783.0	131.8	379.6	241.6	392.8	425.4	3.5	16.1	1.8	428.3	497.8	406.9	21.4
SMDH 00265	813483.56	8193137.29	171.52	9.0	10.0	40.0	6517.9	3.5	19.4	1538.4	132.5	887.9	120.3	346.5	220.6	358.6	388.4	3.1	14.3	1.6	538.1	631.6	508.6	29.5
SMDH 00265	813483.56	8193137.29	171.52	10.0	11.0	45.0	5367.7	2.8	16.0	1272.3	105.1	825.0	96.6	278.2	177.1	287.9	311.7	2.5	11.8	1.3	470.3	544.0	446.8	23.5
SMDH 00265	813483.56	8193137.29	171.52	11.0	11.5	40.0	5821.3	3.1	16.7	1478.5	62.6	1066.8	110.3	317.8	202.3	328.9	356.1	2.7	12.3	1.2	545.5	584.2	527.0	18.5
SMDH 00012t	813240.41	8193620.04	161.45	0.0	1.0	50.0	3432.1	1.6	11.3	678.6	43.8	614.9	79.2	228.1	145.2	236.1	255.6	1.4	8.6	1.1	363.1	390.7	350.5	12.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00012t	813240.41	8193620.04	161.45	1.0	2.0	30.0	3695.6	1.6	9.6	1126.8	56.3	1072.5	51.0	146.9	93.5	152.1	164.7	1.3	7.1	0.9	556.2	591.8	540.6	15.6
SMDH 00012t	813240.41	8193620.04	161.45	2.0	3.0	70.0	5812.7	3.5	12.7	2223.7	25.5	494.5	56.3	162.3	103.3	167.9	181.8	3.1	8.2	1.0	392.7	407.5	385.2	7.4
SMDH 00012t	813240.41	8193620.04	161.45	3.0	4.0	90.0	4970.3	3.0	11.4	1764.2	27.0	446.8	62.2	179.1	114.0	185.3	200.7	2.7	7.3	1.1	284.6	301.1	276.9	7.8
SMDH 00012t	813240.41	8193620.04	161.45	4.0	5.0	95.0	4617.8	2.6	12.6	1278.6	30.8	590.6	65.8	189.4	120.6	196.0	212.2	2.4	8.8	1.2	323.3	342.3	314.8	8.5
SMDH 00012t	813240.41	8193620.04	161.45	5.0	6.0	95.0	5064.1	2.8	14.8	1242.7	32.6	857.9	78.1	224.9	143.2	232.8	252.0	2.4	10.8	1.3	406.6	426.8	397.6	9.0
SMDH 00012t	813240.41	8193620.04	161.45	6.0	7.0	30.0	4686.7	2.7	13.9	1173.4	22.5	482.2	69.7	200.8	127.8	207.9	225.1	2.4	10.0	1.3	291.4	304.9	285.1	6.3
SMDH 00012t	813240.41	8193620.04	161.45	7.0	8.0	90.0	5942.7	3.2	18.7	1207.4	56.9	1107.0	110.1	317.2	201.9	328.3	355.5	2.8	14.0	1.5	510.7	546.6	494.5	16.2
SMDH 00012t	813240.41	8193620.04	161.45	8.0	9.0	40.0	4985.6	2.7	16.4	984.2	35.9	648.7	86.0	247.8	157.7	256.4	277.7	2.5	12.5	1.2	363.8	386.2	353.6	10.3
SMDH 00012t	813240.41	8193620.04	161.45	9.0	10.0	40.0	4218.3	2.4	11.7	1208.7	18.5	316.8	48.5	139.7	88.9	144.5	156.5	2.2	8.1	1.3	217.7	228.8	212.9	4.8
SMDH 00159t	813902.89	8194702.29	170.54	0.0	1.0	40.0	4229.4	1.3	7.3	1864.9	88.9	2105.8	43.3	124.7	79.4	129.0	139.7	0.9	5.4	0.5	1152.1	1206.9	1126.3	25.8
SMDH 00159t	813902.89	8194702.29	170.54	1.0	2.0	40.0	4751.4	2.2	16.0	974.1	53.9	715.3	76.9	221.4	140.9	229.1	248.1	2.0	12.3	1.4	531.4	565.7	516.6	14.8
SMDH 00159t	813902.89	8194702.29	170.54	2.0	3.0	75.0	4751.6	2.4	15.2	1080.8	61.5	612.4	77.1	222.0	141.3	229.8	248.8	2.1	11.5	1.3	493.6	532.9	476.7	16.9
SMDH 00159t	813902.89	8194702.29	170.54	3.0	4.0	75.0	5676.3	2.9	17.4	1436.8	45.7	736.7	96.6	278.3	177.1	288.0	311.9	2.6	13.4	1.2	639.9	668.0	627.0	12.9
SMDH 00159t	813902.89	8194702.29	170.54	4.0	5.0	85.0	5433.7	2.8	17.1	1269.8	50.5	779.2	94.2	271.2	172.6	280.7	303.9	2.5	13.1	1.2	586.4	617.8	572.1	14.4
SMDH 00159t	813902.89	8194702.29	170.54	5.0	6.0	90.0	5176.4	2.7	16.2	1210.8	40.8	658.0	91.1	262.4	167.1	271.6	294.1	2.4	12.3	1.3	528.2	553.0	516.7	11.5
SMDH 00159t	813902.89	8194702.29	170.54	6.0	7.0	85.0	5205.9	2.7	16.4	1242.3	44.1	616.6	92.1	265.2	168.8	274.4	297.2	2.4	12.6	1.2	582.7	609.6	570.1	12.6
SMDH 00159t	813902.89	8194702.29	170.54	7.0	8.0	85.0	4136.0	2.3	12.3	998.0	16.0	512.4	72.2	208.1	132.4	215.3	233.2	2.1	8.8	1.2	250.2	259.4	245.9	4.2
SMDH 00159t	813902.89	8194702.29	170.54	8.0	9.0	90.0	2953.0	1.7	7.9	845.7	7.2	198.8	40.4	116.4	74.1	120.5	130.5	1.6	4.9	1.2	66.6	70.1	64.3	2.3
SMDH 00159t	813902.89	8194702.29	170.54	9.0	10.0	80.0	4355.6	2.4	13.0	1129.1	22.8	365.4	73.1	210.5	134.0	217.8	235.9	2.1	9.3	1.3	366.7	379.8	360.2	6.5
SMDH 00159t	813902.89	8194702.29	170.54	10.0	11.0	85.0	6450.8	3.4	18.3	1812.1	49.1	898.4	99.7	287.0	182.7	297.0	321.7	3.0	13.6	1.3	669.3	699.2	655.3	14.1
SMDH 00159t	813902.89	8194702.29	170.54	11.0	12.0	70.0	5865.6	3.1	17.9	1474.3	39.3	726.1	100.4	289.2	184.1	299.3	324.1	2.7	13.4	1.4	639.8	662.9	628.3	11.5
SMDH 00159t	813902.89	8194702.29	170.54	12.0	13.0	60.0	5661.9	3.0	15.6	1729.4	44.5	638.9	86.0	247.7	157.6	256.3	277.5	2.6	11.4	1.2	637.0	663.7	624.1	12.9
SMDH 00159t	813902.89	8194702.29	170.54	13.0	14.0	60.0	5485.9	2.9	15.1	1582.7	35.3	798.6	92.1	265.2	168.8	274.4	297.2	2.5	10.9	1.3	532.1	552.9	521.8	10.3
SMDH 00164t	813290.36	8194707.96	161.35	0.0	1.0	30.0	3811.3	1.8	7.9	1549.6	51.1	872.1	45.4	130.6	83.2	135.2	146.4	1.5	5.7	0.4	550.0	580.5	533.9	16.1
SMDH 00164t	813290.36	8194707.96	161.35	1.0	2.0	40.0	3719.6	1.8	10.3	1013.2	45.4	868.9	41.8	120.3	76.6	124.5	134.9	1.6	7.6	0.9	400.3	427.4	386.5	13.8
SMDH 00164t	813290.36	8194707.96	161.35	2.0	3.0	45.0	5330.3	3.2	16.5	1160.7	47.5	457.0	79.9	230.1	146.5	238.1	257.9	2.9	12.0	1.3	364.8	393.9	350.8	14.0
SMDH 00164t	813290.36	8194707.96	161.35	3.0	4.0	75.0	5654.0	3.6	17.1	1260.2	39.2	441.9	71.0	204.5	130.2	211.7	229.2	3.3	12.3	1.3	329.1	353.4	317.9	11.2
SMDH 00164t	813290.36	8194707.96	161.35	4.0	5.0	98.0	6501.2	4.8	13.6	2264.8	28.5	329.4	46.2	133.1	84.7	137.7	149.1	4.5	7.9	0.9	172.1	189.1	164.2	7.9
SMDH 00164t	813290.36	8194707.96	161.35	5.0	6.0	80.0	5517.4	3.3	17.2	1180.3	42.8	477.3	73.7	212.4	135.2	219.8	238.0	3.1	12.5	1.4	329.8	356.4	317.2	12.6
SMDH 00164t	813290.36	8194707.96	161.35	6.0	7.0	60.0	4879.4	2.7	15.9	1016.2	42.2	414.8	76.3	219.8	139.9	227.4	246.3	2.5	11.9	1.3	366.1	392.1	353.7	12.4
SMDH 00164t	813290.36	8194707.96	161.35	7.0	8.0	85.0	5010.9	2.7	16.6	1044.5	40.5	444.2	87.1	250.9	159.7	259.6	281.1	2.4	12.5	1.4	445.1	469.9	433.1	12.0
SMDH 00164t	813290.36	8194707.96	161.35	8.0	9.0	80.0	4793.6	2.7	17.1	780.0	21.0	305.8	81.1	233.6	148.7	241.7	261.8	2.5	12.9	1.4	266.2	278.7	260.0	6.3
SMDH 00164t	813290.36	8194707.96	161.35	9.0	10.0	70.0	5198.2	2.9	16.9	1111.2	26.9	404.3	87.3	251.3	160.0	260.1	281.7	2.6	12.6	1.4	376.2	391.9	368.0	8.2
SMDH 00164t	813290.36	8194707.96	161.35	10.0	11.0	80.0	5322.4	2.8	17.0	1187.9	38.7	672.4	83.0	239.0	152.1	247.3	267.8	2.5	12.8	1.5	510.7	533.4	498.9	11.8
SMDH 00164t	813290.36	8194707.96	161.35	11.0	12.0	90.0	5941.8	3.3	21.2	951.6	36.5	539.0	104.3	300.5	191.3	311.0	336.8	3.0	16.4	1.5	415.1	437.4	404.5	10.6
SMDH 00164t	813290.36	8194707.96	161.35	12.0	13.0	85.0	5305.5	2.9	17.9	990.8	50.8	574.1	88.5	255.0	162.3	263.9	285.8	2.6	13.6	1.4	382.9	414.6	368.0	14.9
SMDH 00164t	813290.36	8194707.96	161.35	13.0	14.0	85.0	5603.9	3.1	19.6	957.1	80.6	455.9	103.1	296.9	189.0	307.3	332.7	2.8	15.1	1.4	375.3	426.7	352.3	23.1
SMDH 00164t	813290.36	8194707.96	161.35	14.0	15.0	70.0	5356.9	2.9	17.2	1132.0	38.5	697.5	85.1	245.2	156.1	253.7	274.8	2.6	13.0	1.3	346.6	369.9	335.2	11.3
SMDH 00164t	813290.36	8194707.96	161.35	15.0	16.0	80.0	5501.5	3.0	17.3	1313.4	29.5	482.8	85.2	245.3	156.1	253.9	274.9	2.8	13.1	1.2	389.2	406.5	380.4	8.8
SMDH 00164t	813290.36	8194707.96	161.35	16.0	16.5	60.0	5242.3	2.9	18.1	969.9	29.0	478.6	80.3	231.4	147.3	239.5	259.3	2.6	13.9	1.3	390.6	407.6	381.9	8.7
SMDH 00164t	813290.36	8194707.96	161.35	16.5	17.0	60.0	5242.3	2.9	18.1	969.9	29.0	478.6	80.3	231.4	147.3	239.5	259.3	2.6	13.9	1.3	390.6	407.6	381.9	8.7
SMDH 00241t	814258.93	8193264.99	161.11	0.0	1.0	40.0	3353.8	1.2	6.9	1296.5	74.3	1538.5	48.7	140.1	89.2	145.0	157.1	0.8	5.5	0.3	816.7	861.9	793.8	22.9
SMDH 00241t	814258.93	8193264.99	161.11	1.0	2.0	40.0	4772.6	1.8	10.9	1823.7	83.0	1459.6	66.3	190.9	121.5	197.5	213.9	1.4	8.4	0.7	1092.7	1143.3	1067.9	24.8
SMDH 00241t	814258.93	8193264.99	161.11	2.0	3.0	40.0	4773.0	2.3	12.3	1609.8	57.1	826.4	51.7	149.0	94.8	154.2	166.9	2.0	9.2	0.9	786.0	819.6	768.1	18.0
SMDH 00241t	814258.93	8193264.99	161.11	3.0	4.0	50.0	3420.0	1.8	9.5	999.2	17.0	273.1	42.6	122.6	78.0	126.9	137.4	1.7	6.4	1.3	250.2	259.5	245.0	5.2
SMDH 00241t	814258.93	8193264.99	161.11	4.0	5.0	80.0	3322.3	2.0	8.7	978.5	12.4	264.4	34.5	99.5	63.3	103.0	111.5	1.8	5.5	1.2	176.8	183.6	173.3	3.4
SMDH 00241t	814258.93	8193264.99	161.11	5.0	6.0	98.0	3336.1	2.1	6.7	1293.3	16.5	238.4	24.3	69.9	44.5	72.3	78.3	1.9	3.5	1.1	232.9	242.8	228.4	4.5
SMDH 00241t	814258.93	8193264.99	161.11	6.0	7.0	75.0	4839.9	2.7	14.2	1189.4	36.9	720.5	74.8	215.6	137.2	223.1	241.6	2.4	10.4	1.1	384.4	407.0	374.0	10.3
SMDH 00241t	814258.93	8193264.99	161.11	7.0	8.0	98.0	3788.7	2.0	10.7	1036.5	28.3	463.5	48.8	140.7	89.5	145.6	157.7	1.8	7.4	1.2	269.1	286.4	261.1	7.9
SMDH 00241t	814258.93	8193264.99	161.11	8.0	9.0	70.0	4798.4	2.6	14.9	1084.2	28.4	652.2	80.4	231.6	147.5	239.7	259.6	2.3	11.1	1.2	368.2	385.1	360.0	8.2
SMDH 00241t	814258.93	8193264.99	161.11	9.0	10.0	30.0	4660.8	2.5	13.1	1232.8	26.5	851.0	70.0	201.5	128.3	208.5	225.8	2.2	9.4	1.2	375.2	390.8	367.6	7.6
SMDH 00262t	813839.13	8193144.73	168.08	0.0	1.0	40.0	4437.1	1.2	6.3	2230.3	130.9	2161.7	35.0	100.8	64.2	104.3	112.9	0.7	4.5	0.6	1395.3	1476.1	1356.1	39.2
SMDH 00262t	813839.13	8193144.73	168.08	1.0	2.0	30.0	3946.3	1.9	13.9	691.3	41.7	565.4	65.2	187.7	119.5	194.3	210.4	1.7	10.8	1.2	365.1	390.5	352.3	12.8
SMDH 00262t	813839.13	8193144.73	168.08	2.0	3.0	35.0	3780.9	1.8	11.7	957.9	55.5	433.1	55.9	160.9	102.5	166.6	180.4	1.6	8.8	1.1	447.9	482.2	431.7	16.2
SMDH 00262t	813839.13	8193144.73	168.08	3.0	4.0	30.0	3999.3	2.0	12.6	900.6	64.1	605.2	60.4	173.8	110.7	179.9	194.8	1.8	9.5	1.1	384.8	424.4	365.7	19.1
SMDH 00262t	813839.13	8193144.73	168.08	4.0	5.0	95.0	4493.3	2.3	14.1	991.4	69.8	648.9	68.1	196.0	124.8	202.8	219.7	2.1	10.7	1.1	370.9	415.6	350.8	20.1
SMDH 00262t	813839.13	8193144.73	168.08	5.0	6.0	80.0	5440.9	3.0	15.7	1460.7	65.8	672.7	70.4	202.7	129.1	209.8	227.2	2.7	11.6	1.1	436.4	477.8	416.6	19.8
SMDH 00262t	813839.13	8193144.73	168.08	6.0	7.0	98.0	4771.0	2.4	14.3	1183.0	47.5	800.0	69.0	198.6	126.4	205.5	222.6	2.2	10.6	1.2	469.1	498.3	455.2	14.0
SMDH 00262t	813839.13	8193144.73	168.08	7.0	8.0	98.0	5382.6	3.0	14.6	1602.1	49.4	590.5	59.8	172.2	109.6	178.3	193.0	2.7	10.5	1.1	377.0	407.6	362.5	14.6
SMDH 00262t	813839.13	8193144.73	168.08	8.0	9.0	70.0	5440.5	2.8	15.7	1518.3	68.5	679.4	71.3	205.3	130.7	212.5	230.1	2.5	11.7	1.1	564.9	607.9	544.7	20.2
SMDH 00033bt	812635.87	8193736.42	163.80	0.0	1.0	50.0	4229.6	1.7	10.6	1393.1	70.1	1447.5	46.8	134.8	85.8	139.5	151.0	1.3	8.3	0.7	801.0	844.8	781.2	19.8
SMDH 00033bt	812635.87	8193736.42	163.80	1.0	2.0	60.0	5555.7	2.8	20.7	767.5	51.8	704.0	95.8	275.9	175.6	285.5	309.2	2.6	16.2	1.6	401.9	435.1	387.5	14.4
SMDH 00033bt	812635.87	8193736.42	163.80	2.0	3.0	60.0	4960.8	2.8	18.0	722.3	50.2	426.3	88.2	253.9	161.6	262.8	284.6	2.6	13.9	1.3	250.0	282.8	236.0	14.0
SMDH 00033bt	812635.87	8193736.42	163.80	3.0	4.0	50.0	5157.4	2.9	18.0	863.2	46.8	440.5	88.7	255.3	162.5	264.3	286.2	2.7	13.8	1.2	240.4	270.5	227.0	13.4
SMDH 00033bt	812635.87	8193736.42	163.80	4.0	5.0	98.0	2727.8	1.4	8.2	656.2	10.1	315.4	30.8	88.7	56.4	91.8	99.4	1.3	5.4	1.3	121.0	126.5	118.3	2.7
SMDH 00033bt	812635.87	8193736.42	163.80	5.0	6.0	98.0	3296.7	1.8	7.8	1092.0	11.1	437.6	26.8	77.3	49.2	80.0	86.6	1.6	4.5	1.5	138.8	144.7	135.8	3.0
SMDH 00033bt	812635.87	8193736.42	163.80	6.0	7.0	98.0	4340.6	2.5	12.7	1121.0	10.2	356.5	61.3	176.6	112.4	182.8	197.9	2.2	8.7	1.5	224.3	229.2	221.3	2.9
SMDH 00033bt	812635.87	8193736.42	163.80	7.0	8.0	98.0	4703.9	2.8	15.1	949.6	15.3	392.5	82.0	236.2	150.3	244.4	264.7	2.5	11.0	1.4	188.6	197.1	184.2	4.3
SMDH 00033bt	812635.87	8193736.42	163.80	8.0	9.0	85.0	4165.9	2.3	12.9	990.8	13.4	375.9	64.1	184.7	117.5	191.1	206.9	2.1	9.3	1.2	277.8	285.0	274.0	3.8
SMDH 00033bt	812635.87	8193736.42	163.80	9.0	10.0	80.0	4423.4	2.4	15.5	739.8	32.8	499.3	68.2	196.4	125.0	203.2	220.1	2.2	11.9	1.2	293.0	313.2	283.6	9.4
SMDH 00033bt	812635.87	8193736.42	163.80	10.0	11.0	98.0	4705.2	2.5	15.8	909.8	46.4	491.4	76.1	219.1	139.5	226.8	245.6	2.3	12.0	1.2	349.7	379.1	336.7	13.0
SMDH 00044t	813480.64	8193864.63	160.01	0.0	1.0	70.0	2460.3	1.0	5.8	816.2	49.8	866.7	32.4	93.4	59.4	96.7	104.7	0.8	4.3	0.5	420.5	452.1	405.9	14.6
SMDH 00044t	813480.64	8193864.63	160.01	1.0	2.0	60.0	4639.3	2.2	12.2	1349.4	79.4	995.8	79.2	228.0	145.1	235.9	255.5	1.9	8.7	1.3	580.8	631.1	558.0	22.8
SMDH 00044t	813480.64	8193864.63	160.01	2.0	3.0	70.0	4754.7	2.7	11.8	1434.2	35.5	842.6	71.1	204.8	130.4	212.0	229.5	2.3	7.8	1.4	340.0	361.9	329.9	10.1
SMDH 00044t	813480.64	8193864.63	160.01	3.0	4.0	75.0	5045.1	3.0	13.1	1474.9	31.8	657.5	63.0	181.6	115.6	187.9	203.5	2.7	9.0	1.2	190.3	210.5	182.0	8.3
SMDH 00044t	813480.64	8193864.63	160.01	4.0	5.0	98.0	6657.3	3.8	20.7	1506.3	62.2	745.1	103.6	298.5	190.0	308.9	334.5	3.4	15.7	1.3	391.1	430.9	373.9	17.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00044t	813480.64	8193864.63	160.01	5.0	6.0	98.0	7204.1	4.1	19.7	2135.4	48.4	752.6	95.0	273.5	174.1	283.0	306.5	3.7	14.5	1.1	510.1	540.5	496.5	13.5
SMDH 00044t	813480.64	8193864.63	160.01	6.0	7.0	98.0	7517.9	4.3	22.7	1861.6	52.8	711.6	113.5	326.9	208.1	338.3	366.3	3.9	16.9	1.4	444.2	477.6	429.1	15.1
SMDH 00093t	813661.98	8194226.36	166.92	0.0	1.0	50.0	4666.0	1.6	9.8	1860.1	89.3	1793.8	54.3	156.3	99.5	161.8	175.2	1.2	7.4	0.7	1140.0	1193.6	1112.6	27.5
SMDH 00093t	813661.98	8194226.36	166.92	1.0	2.0	40.0	5504.0	2.8	17.1	1289.2	58.3	893.5	91.5	263.6	167.8	272.8	295.4	2.4	12.9	1.4	600.2	636.7	583.6	16.6
SMDH 00093t	813661.98	8194226.36	166.92	2.0	3.0	50.0	6608.8	3.5	18.8	1830.3	63.2	909.2	100.7	290.0	184.6	300.2	325.0	3.1	14.0	1.4	665.0	704.9	647.5	17.5
SMDH 00093t	813661.98	8194226.36	166.92	3.0	4.0	60.0	4536.1	2.2	13.9	1159.0	56.8	496.1	69.1	199.0	126.7	206.0	223.0	2.0	10.3	1.3	526.9	562.9	510.7	16.1
SMDH 00093t	813661.98	8194226.36	166.92	4.0	5.0	90.0	4629.6	2.4	13.5	1189.1	59.5	633.8	70.5	203.2	129.3	210.2	227.7	2.1	9.8	1.3	422.5	460.9	406.0	16.5
SMDH 00093t	813661.98	8194226.36	166.92	5.0	6.0	50.0	5212.0	2.7	15.1	1522.1	63.7	448.9	60.7	174.8	111.3	180.9	195.9	2.4	11.3	1.2	554.1	594.6	536.5	17.7
SMDH 00014bt	812938.05	8193626.35	162.31	0.0	1.0	60.0	2555.9	1.2	5.2	1080.8	30.6	516.4	11.6	33.5	21.3	34.7	37.6	1.1	3.7	0.3	410.6	428.8	401.5	9.1
SMDH 00014bt	812938.05	8193626.35	162.31	1.0	2.0	50.0	3355.7	1.7	7.2	1431.9	26.4	245.5	9.3	26.7	17.0	27.6	29.9	1.6	4.9	0.6	446.3	461.7	438.7	7.5
SMDH 00014bt	812938.05	8193626.35	162.31	2.0	3.0	50.0	4019.0	2.3	6.1	2098.1	20.8	191.8	10.3	29.8	19.0	30.8	33.4	2.1	3.5	0.3	439.2	450.7	433.0	6.2
SMDH 00014bt	812938.05	8193626.35	162.31	3.0	4.0	70.0	3595.4	1.5	10.2	1217.3	36.7	392.1	36.6	105.5	67.2	109.2	118.2	1.3	7.9	0.8	654.5	675.7	645.5	9.0
SMDH 00014bt	812938.05	8193626.35	162.31	4.0	5.0	40.0	3555.4	1.6	10.0	1225.8	37.5	519.5	29.3	84.5	53.8	87.5	94.7	1.4	8.4	0.1	620.6	642.7	612.0	8.6
SMDH 00014bt	812938.05	8193626.35	162.31	5.0	6.0	80.0	3333.9	1.5	9.5	1148.1	36.2	412.4	27.1	78.0	49.7	80.7	87.4	1.3	7.9	0.1	576.9	598.4	568.5	8.3
SMDH 00014bt	812938.05	8193626.35	162.31	6.0	7.0	65.0	2643.0	0.9	6.0	1184.5	38.9	278.6	23.7	68.3	43.5	70.7	76.5	0.7	4.2	0.9	627.2	650.0	618.0	9.2
SMDH 00014bt	812938.05	8193626.35	162.31	7.0	8.0	80.0	3241.2	1.2	8.5	1182.8	41.5	412.1	37.0	106.6	67.9	110.4	119.5	1.0	6.1	1.2	640.1	664.9	630.6	9.5
SMDH 00014bt	812938.05	8193626.35	162.31	8.0	9.0	80.0	3319.7	1.3	9.0	1142.8	41.5	459.9	36.8	106.0	67.5	109.7	118.8	1.1	6.5	1.2	606.5	630.7	596.6	9.8
SMDH 00014bt	812938.05	8193626.35	162.31	9.0	10.0	70.0	2478.5	1.0	6.7	813.3	31.2	383.5	38.4	110.6	70.4	114.5	123.9	0.8	4.6	1.1	398.7	416.8	390.9	7.8
SMDH 00014bt	812938.05	8193626.35	162.31	10.0	11.0	85.0	2644.4	1.3	8.6	591.4	15.7	233.8	40.6	117.0	74.5	121.1	131.2	1.1	6.1	1.2	189.4	197.8	185.2	4.2
SMDH 00547	812207.35	8192556.77	170.59	0.0	1.0	20.0	2370.0	1.2	7.7	553.4	27.8	254.4	36.3	104.7	66.6	108.3	117.3	1.1	6.1	0.4	215.6	233.0	207.6	8.1
SMDH 00547	812207.35	8192556.77	170.59	1.0	2.0	20.0	2066.0	0.9	6.5	522.8	28.6	240.8	25.7	74.1	47.2	76.7	83.1	0.8	4.9	0.7	247.0	264.8	238.7	8.3
SMDH 00547	812207.35	8192556.77	170.59	2.0	3.0	75.0	2204.7	0.9	6.0	690.9	32.8	224.8	26.9	77.6	49.4	80.3	87.0	0.8	4.0	1.1	279.2	299.2	269.9	9.3
SMDH 00547	812207.35	8192556.77	170.59	3.0	4.0	75.0	2009.3	0.9	5.1	684.3	21.6	235.6	28.6	82.3	52.4	85.2	92.3	0.8	3.3	0.8	249.7	262.9	243.6	6.1
SMDH 00548	813906.20	8192654.34	166.29	0.0	1.0	75.0	4009.5	2.0	13.6	774.0	47.1	673.9	53.7	154.6	98.4	160.0	173.2	1.7	10.7	1.0	386.7	416.8	373.7	13.0
SMDH 00548	813906.20	8192654.34	166.29	1.0	2.0	80.0	3857.3	2.2	8.9	1352.9	56.6	359.8	35.6	102.6	65.3	106.2	115.0	2.0	5.7	1.0	287.4	324.6	272.3	15.0
SMDH 00548	813906.20	8192654.34	166.29	2.0	3.0	60.0	4327.1	2.3	12.7	1049.4	77.5	656.2	67.8	195.3	124.3	202.1	218.9	2.1	9.3	1.0	352.8	403.2	331.6	21.2
SMDH 00548	813906.20	8192654.34	166.29	3.0	4.0	60.0	3932.6	1.9	11.8	976.0	62.5	620.3	63.4	182.7	116.3	189.1	204.7	1.7	8.8	1.1	446.9	487.0	429.5	17.5
SMDH 00548	813906.20	8192654.34	166.29	4.0	5.0	90.0	4402.4	2.2	13.3	1069.7	83.0	652.7	72.4	208.5	132.7	215.8	233.7	2.0	9.9	1.1	473.0	526.6	450.1	22.8
SMDH 00548	813906.20	8192654.34	166.29	5.0	6.0	85.0	6351.7	3.7	17.1	1844.7	64.3	683.7	90.1	259.6	165.2	268.7	290.9	3.3	12.2	1.2	444.0	484.2	425.3	18.7
SMDH 00548	813906.20	8192654.34	166.29	6.0	7.0	98.0	5711.1	3.1	17.6	1282.3	95.5	753.2	94.8	273.0	173.8	282.5	306.0	2.8	13.3	1.2	441.7	503.5	415.1	26.6
SMDH 00548	813906.20	8192654.34	166.29	7.0	8.0	90.0	4500.8	2.5	13.2	1140.1	34.6	540.4	70.7	203.6	129.6	210.7	228.1	2.2	9.5	1.2	312.1	333.9	302.6	9.5
SMDH 00548	813906.20	8192654.34	166.29	8.0	9.0	90.0	4439.6	2.4	11.4	1393.7	44.2	548.5	56.7	163.3	103.9	169.0	183.0	2.2	7.9	1.1	392.6	418.8	378.4	14.1
SMDH 00548	813906.20	8192654.34	166.29	9.0	10.0	90.0	4995.6	2.8	14.4	1234.8	47.7	735.0	84.5	243.4	154.9	251.9	272.8	2.5	10.4	1.2	461.6	490.5	447.3	14.3
SMDH 00548	813906.20	8192654.34	166.29	10.0	11.0	75.0	4735.0	2.6	12.2	1484.5	29.1	568.0	69.6	200.5	127.6	207.5	224.7	2.3	8.3	1.3	437.7	454.4	428.8	8.9
SMDH 00549	816690.99	8192640.59	163.03	0.0	1.0	40.0	5680.9	2.7	21.1	857.0	43.0	1452.7	38.3	110.4	70.3	114.3	123.7	2.5	18.1	0.3	523.6	550.1	511.2	12.4
SMDH 00549	816690.99	8192640.59	163.03	1.0	2.0	50.0	4800.2	2.3	17.0	835.4	43.5	846.3	79.4	228.7	145.6	236.7	256.4	2.0	13.6	1.1	438.2	465.2	425.8	12.4
SMDH 00549	816690.99	8192640.59	163.03	2.0	3.0	75.0	4807.2	2.6	14.8	1082.1	41.4	659.1	90.0	259.1	164.9	268.1	290.3	2.3	10.9	1.4	371.1	396.7	359.0	12.1
SMDH 00549	816690.99	8192640.59	163.03	3.0	4.0	50.0	8085.4	5.1	14.1	3644.7	31.3	489.6	61.7	177.8	113.2	184.0	199.3	4.7	8.0	0.9	292.8	312.0	283.8	9.0
SMDH 00549	816690.99	8192640.59	163.03	4.0	5.0	95.0	5981.1	3.4	14.0	2073.3	36.9	755.3	80.8	232.6	148.1	240.8	260.7	3.0	9.4	1.2	416.1	438.6	405.6	10.4
SMDH 00549	816690.99	8192640.59	163.03	5.0	6.0	90.0	7233.0	4.0	18.7	2344.0	64.5	663.5	94.3	271.6	172.9	281.1	304.4	3.6	13.3	1.4	587.4	627.8	569.2	18.2
SMDH 00549	816690.99	8192640.59	163.03	6.0	7.0	80.0	5135.1	2.7	15.2	1312.0	51.8	668.4	80.4	231.5	147.3	239.5	259.4	2.4	11.2	1.2	452.7	484.8	437.6	15.1
SMDH 00549	816690.99	8192640.59	163.03	7.0	8.0	90.0	5146.4	2.8	13.8	1559.7	35.1	637.6	79.5	228.9	145.7	236.9	256.5	2.4	9.8	1.3	445.6	466.8	435.3	10.3
SMDH 00549	816690.99	8192640.59	163.03	8.0	9.0	80.0	7182.6	4.1	18.0	2408.3	48.2	728.7	87.5	252.0	160.4	260.8	282.4	3.7	12.8	1.1	508.2	538.2	494.3	13.8
SMDH 00549	816690.99	8192640.59	163.03	9.0	10.0	80.0	5423.7	3.0	14.9	1634.0	36.4	448.1	70.1	201.9	128.5	209.0	226.3	2.7	10.8	1.1	368.9	391.0	358.0	10.9
SMDH 00549	816690.99	8192640.59	163.03	10.0	11.0	85.0	4611.0	2.5	13.3	1214.4	30.2	493.9	82.7	238.2	151.6	246.5	266.9	2.3	9.4	1.3	283.0	301.3	274.1	8.8
SMDH 00549	816690.99	8192640.59	163.03	11.0	12.0	80.0	4164.7	2.1	13.3	950.1	31.1	472.3	74.2	213.8	136.1	221.3	239.6	1.9	10.1	1.1	316.1	334.9	306.9	9.2
SMDH 00549	816690.99	8192640.59	163.03	12.0	13.0	50.0	4000.4	2.1	11.3	1114.0	27.0	511.4	66.0	190.0	121.0	196.7	213.0	1.8	8.1	1.2	299.6	315.3	291.2	8.4
SMDH 00549	816690.99	8192640.59	163.03	13.0	14.0	98.0	4765.5	2.4	12.9	1436.3	41.0	690.2	78.6	226.4	144.1	234.3	253.8	2.1	9.3	1.2	498.9	523.9	487.3	11.7
SMDH 00550	812814.47	8192694.30	194.78	0.0	1.0	80.0	5101.8	2.7	21.8	353.4	25.7	745.8	34.2	98.5	62.7	102.0	110.4	2.6	18.7	0.5	174.9	192.6	169.9	5.0
SMDH 00550	812814.47	8192694.30	194.78	1.0	2.0	80.0	3347.3	1.8	15.2	128.0	8.9	176.8	32.3	93.0	59.2	96.2	104.2	1.8	12.7	0.7	43.6	48.9	40.8	2.8
SMDH 00550	812814.47	8192694.30	194.78	2.0	3.0	95.0	3058.3	1.7	13.6	143.0	12.9	187.9	32.3	93.0	59.2	96.2	104.2	1.6	11.3	0.7	51.5	59.5	47.8	3.7
SMDH 00550	812814.47	8192694.30	194.78	3.0	4.0	60.0	2769.2	1.5	12.4	140.5	11.9	155.6	25.5	73.5	46.8	76.0	82.3	1.4	10.3	0.6	51.4	58.7	48.0	3.5
SMDH 00550	812814.47	8192694.30	194.78	4.0	5.0	80.0	3504.9	1.9	16.0	135.7	11.6	145.6	31.8	91.7	58.4	94.9	102.7	1.8	13.3	0.8	40.5	47.4	36.9	3.6
SMDH 00550	812814.47	8192694.30	194.78	5.0	6.0	90.0	2016.2	1.1	8.7	110.3	11.8	141.6	26.2	75.4	48.0	78.1	84.5	1.0	6.9	0.7	30.6	37.8	26.8	3.8
SMDH 00550	812814.47	8192694.30	194.78	6.0	7.0	70.0	2174.8	1.2	9.6	110.1	8.3	111.8	25.4	73.2	46.6	75.7	82.0	1.1	7.7	0.7	25.1	30.2	22.5	2.6
SMDH 00551	811966.93	8193830.84	156.41	0.0	1.0	30.0	4615.3	2.4	15.0	888.0	56.5	777.7	105.8	304.6	193.9	315.2	341.3	2.1	11.4	1.2	279.2	314.8	263.0	16.3
SMDH 00551	811966.93	8193830.84	156.41	1.0	2.0	40.0	4707.3	2.5	17.3	593.8	57.1	722.1	106.1	305.5	194.4	316.1	342.3	2.2	13.5	1.3	291.5	328.0	275.1	16.3
SMDH 00551	811966.93	8193830.84	156.41	2.0	3.0	50.0	3928.1	1.8	14.0	714.0	37.2	654.1	68.9	198.5	126.4	205.5	222.5	1.6	11.3	0.9	416.1	438.1	404.6	11.5
SMDH 00551	811966.93	8193830.84	156.41	3.0	4.0	40.0	3026.4	1.6	10.6	489.2	35.2	363.6	68.0	195.9	124.7	202.8	219.6	1.4	8.1	0.9	190.8	213.4	180.8	10.0
SMDH 00551	811966.93	8193830.84	156.41	4.0	5.0	75.0	3153.0	1.7	12.0	375.7	28.2	357.6	56.2	161.8	103.0	167.4	181.3	1.5	9.5	0.8	145.9	163.7	137.7	8.2
SMDH 00551	811966.93	8193830.84	156.41	5.0	6.0	70.0	5095.3	2.8	17.8	815.6	57.2	550.1	111.1	320.1	203.7	331.2	358.7	2.5	13.7	1.3	289.9	326.5	273.9	16.0
SMDH 00551	811966.93	8193830.84	156.41	6.0	7.0	70.0	4478.9	2.3	15.3	761.8	59.7	777.9	90.0	259.2	165.0	268.3	290.5	2.0	11.9	1.2	341.6	380.2	325.0	16.6
SMDH 00551	811966.93	8193830.84	156.41	7.0	8.0	70.0	5637.9	3.0	20.3	819.3	62.5	895.7	101.2	291.4	185.5	301.6	326.6	2.7	16.1	1.2	380.6	420.1	362.8	17.7
SMDH 00551	811966.93	8193830.84	156.41	8.0	9.0	60.0	7135.2	3.8	18.8	2146.2	80.0	1376.3	85.7	246.7	157.0	255.3	276.5	3.3	14.0	1.0	763.3	814.0	741.3	22.0
SMDH 00551	811966.93	8193830.84	156.41	9.0	10.0	70.0	11184.6	8.1	25.8	3833.7	36.1	178.1	97.7	281.4	179.1	291.2	315.3	7.5	17.1	0.6	130.6	153.8	121.3	9.2
SMDH 00551	811966.93	8193830.84	156.41	10.0	11.0	85.0	11461.4	8.2	31.0	3107.5	53.3	234.6	215.8	621.5	395.6	643.2	696.5	7.6	22.0	0.8	243.6	278.5	229.5	14.1
SMDH 00551	811966.93	8193830.84	156.41	11.0	12.0	75.0	9512.7	7.6	30.7	1210.7	71.2	318.0	307.6	885.8	563.8	916.7	992.7	7.1	22.0	1.0	141.1	188.1	121.6	19.5
SMDH 00551	811966.93	8193830.84	156.41	12.0	13.0	80.0	6885.5	4.1	25.0	1057.8	45.0	293.2	146.2	421.0	268.0	435.7	471.8	3.8	19.6	1.3	190.0	218.9	177.3	12.7
SMDH 00551	811966.93	8193830.84	156.41	13.0	14.0	85.0	8673.7	6.1	29.5	1241.7	67.0	271.3	229.2	660.2	420.2	683.2	739.8	5.6	22.0	1.4	158.3	202.4	139.9	18.3
SMDH 00551	811966.93	8193830.84	156.41	14.0	15.0	80.0	2744.7	1.5	9.4	544.0	31.5	76.1	28.3	81.4	51.8	84.2	91.2	1.4	6.9	0.9	86.2	106.5	77.3	8.9
SMDH 00551	811966.93	8193830.84	156.41	15.0	16.0	60.0	7151.4	4.5	27.7	697.2	51.7	292.3	213.9	616.2	392.2	637.7	690.6	4.1	22.0	1.2	132.3	165.4	117.3	15.0
SMDH 00551	811966.93	8193830.84	156.41	16.0	17.0	60.0	3415.9	1.9	11.4	626.5	14.9	315.4	56.4	162.4	103.4	168.0	182.0	1.8	8.3	1.2	80.0	88.7	75.9	4.1
SMDH 00551	811966.93	8193830.84	156.41	17.0	18.0	80.0	7999.5	5.3	28.5	1050.1	57.0	282.4	225.7	650.1	413.8	672.8	728.5	4.9	22.0	1.2	161.1	197.4	144.3	16.8
SMDH 00553	814966.23	8197083.49	179.16	0.0	1.0	30.0	4709.5	2.1	13.9	1140.9	79.7	1461.7	69.8	201.1	128.0	208.2	225.4	1.7	10.9	0.9	667.5	718.2	645.3	22.2
SMDH 00553	814966.23	8197083.49	179.16	1.0	2.0	20.0	5317.0	2.7	18.5	842.9	62.3	1071.4	90.5	260.6	165.9	269.7	292.1	2.4	14.4	1.4	417.0	456.0	398.8	18.2
SMDH 00553	814966.23	8197083.49	179.16	2.0	3.0	40.0	5271.0	2.9	17.1	1050.5	59.0	690.9	87.1	250.8	159.6	259.5	281.1	2.6	12.8	1.3	313.2	350.9	296.7	16.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00553	814966.23	8197083.49	179.16	3.0	4.0	50.0	4603.8	2.4	13.6	1142.5	61.9	699.8	68.3	196.6	125.1	203.5	220.3	2.1	10.1	1.1	386.1	425.3	368.9	17.2
SMDH 00553	814966.23	8197083.49	179.16	4.0	5.0	60.0	5534.1	3.1	14.2	1718.7	61.7	722.4	66.7	192.0	122.2	198.7	215.2	2.8	10.0	1.1	362.9	402.3	345.8	17.1
SMDH 00553	814966.23	8197083.49	179.16	5.0	6.0	90.0	4917.0	2.7	14.9	1148.6	57.4	670.1	77.2	222.4	141.5	230.1	249.2	2.4	11.1	1.1	329.6	365.3	312.8	16.8
SMDH 00553	814966.23	8197083.49	179.16	6.0	7.0	60.0	5135.7	2.8	15.5	1230.0	78.2	655.3	76.8	221.1	140.8	228.8	247.8	2.5	11.5	1.2	368.5	416.8	344.8	23.7
SMDH 00553	814966.23	8197083.49	179.16	7.0	8.0	85.0	5739.0	3.1	17.6	1290.9	47.9	1031.7	98.7	284.1	180.9	294.0	318.4	2.7	13.3	1.2	462.6	492.3	448.8	13.8
SMDH 00553	814966.23	8197083.49	179.16	8.0	9.0	90.0	5419.5	2.9	16.1	1329.1	55.0	888.4	90.3	260.1	165.5	269.2	291.5	2.5	12.1	1.2	492.9	526.9	476.8	16.2
SMDH 00553	814966.23	8197083.49	179.16	9.0	10.0	70.0	5516.0	2.8	15.7	1500.0	56.4	966.3	82.6	238.0	151.5	246.3	266.7	2.5	11.6	1.2	587.0	621.6	570.6	16.5
SMDH 00553	814966.23	8197083.49	179.16	10.0	11.0	75.0	4278.5	2.4	13.1	933.9	68.6	595.8	63.4	182.7	116.3	189.1	204.7	2.1	9.6	1.2	245.1	289.5	225.5	19.6
SMDH 00555	815394.67	8198766.30	181.73	0.0	1.0	20.0	3342.9	1.4	8.8	971.9	59.3	1073.0	77.4	222.9	141.9	230.7	249.8	1.1	6.9	0.5	556.9	594.6	540.0	16.9
SMDH 00555	815394.67	8198766.30	181.73	1.0	2.0	40.0	4162.0	2.1	13.2	964.6	38.8	597.2	70.6	203.2	129.4	210.3	227.7	1.8	9.9	1.2	399.6	423.3	388.3	11.3
SMDH 00555	815394.67	8198766.30	181.73	2.0	3.0	30.0	3579.0	1.9	11.6	738.5	45.7	370.1	53.0	152.7	97.2	158.0	171.1	1.8	8.5	1.1	257.3	286.7	244.7	12.6
SMDH 00555	815394.67	8198766.30	181.73	3.0	4.0	70.0	3908.6	2.0	13.1	770.7	50.3	377.5	60.0	172.9	110.1	178.9	193.8	1.8	9.9	1.2	324.2	356.5	310.1	14.1
SMDH 00555	815394.67	8198766.30	181.73	4.0	5.0	75.0	3368.7	1.7	10.6	784.4	41.5	388.4	51.3	147.9	94.1	153.0	165.7	1.5	7.7	1.2	334.2	359.8	321.9	12.3
SMDH 00555	815394.67	8198766.30	181.73	5.0	6.0	80.0	4245.9	2.4	13.9	833.1	31.8	425.2	71.1	204.8	130.4	212.0	229.5	2.2	10.2	1.3	230.8	250.5	221.7	9.0
SMDH 00555	815394.67	8198766.30	181.73	6.0	7.0	70.0	3404.0	1.8	11.6	606.5	38.2	386.1	56.0	161.2	102.6	166.8	180.6	1.6	8.5	1.3	227.7	252.1	217.0	10.7
SMDH 00555	815394.67	8198766.30	181.73	7.0	8.0	85.0	3593.9	1.9	11.5	742.2	26.5	326.1	62.4	179.8	114.5	186.1	201.5	1.8	8.1	1.4	181.7	198.2	174.7	7.0
SMDH 00555	815394.67	8198766.30	181.73	8.0	9.0	90.0	3788.6	2.0	12.2	794.8	28.5	408.0	59.5	171.4	109.1	177.3	192.0	1.9	8.9	1.3	235.9	253.1	227.7	8.2
SMDH 00555	815394.67	8198766.30	181.73	9.0	10.0	70.0	3463.2	1.8	10.5	867.8	40.9	355.2	50.1	144.2	91.8	149.3	161.6	1.6	7.6	1.2	351.4	376.4	339.3	12.0
SMDH 00555	815394.67	8198766.30	181.73	10.0	11.0	60.0	7019.8	4.4	22.2	1562.3	56.6	236.3	65.1	187.4	119.3	194.0	210.0	4.2	16.6	1.2	237.8	274.3	222.3	15.4
SMDH 00556	817229.65	8198805.01	190.65	0.0	1.0	20.0	6864.1	3.6	26.1	764.8	37.4	1717.0	82.7	238.2	151.6	246.5	266.9	3.3	22.0	0.5	425.4	447.2	413.7	11.7
SMDH 00556	817229.65	8198805.01	190.65	1.0	2.0	40.0	4974.6	2.7	20.7	444.3	28.9	466.1	55.0	158.3	100.8	163.9	177.5	2.5	17.2	0.8	212.9	230.8	204.2	8.7
SMDH 00556	817229.65	8198805.01	190.65	2.0	3.0	50.0	4351.6	2.6	14.1	898.4	46.2	278.9	47.3	136.2	86.7	141.0	152.7	2.5	10.5	0.9	195.6	226.1	183.3	12.2
SMDH 00556	817229.65	8198805.01	190.65	3.0	4.0	75.0	5768.3	4.1	13.7	1820.5	32.5	335.0	48.8	140.4	89.4	145.3	157.4	3.8	9.0	0.7	228.0	247.6	218.2	9.9
SMDH 00556	817229.65	8198805.01	190.65	4.0	5.0	95.0	4169.6	2.3	13.0	949.1	49.6	503.6	66.9	192.7	122.7	199.4	215.9	2.0	9.7	1.0	341.6	373.5	327.9	13.7
SMDH 00573	816234.34	8193843.18	166.02	0.0	1.0	40.0	6207.3	2.5	16.5	1694.7	98.7	2662.5	142.4	410.1	261.0	424.4	459.6	1.9	13.4	0.5	1052.4	1113.3	1022.7	29.7
SMDH 00573	816234.34	8193843.18	166.02	1.0	2.0	50.0	6069.7	3.1	23.4	766.8	46.5	682.3	123.4	355.4	226.2	367.8	398.2	2.8	18.8	1.5	381.0	410.1	367.4	13.7
SMDH 00573	816234.34	8193843.18	166.02	2.0	3.0	60.0	4731.5	2.4	12.7	1420.7	36.8	782.1	62.3	179.3	114.2	185.6	201.0	2.1	9.1	1.1	474.8	497.5	464.9	9.9
SMDH 00573	816234.34	8193843.18	166.02	3.0	4.0	60.0	5893.6	3.4	16.8	1595.4	57.5	583.3	87.5	252.2	160.5	261.0	282.6	3.0	12.3	1.2	472.8	509.2	456.6	16.2
SMDH 00573	816234.34	8193843.18	166.02	4.0	5.0	80.0	5735.1	3.3	15.4	1692.5	55.2	654.0	79.3	228.3	145.3	236.3	255.9	2.9	11.2	1.0	522.8	557.6	507.4	15.5
SMDH 00573	816234.34	8193843.18	166.02	5.0	6.0	80.0	4915.1	2.9	12.9	1459.7	21.1	522.4	77.9	224.3	142.8	232.1	251.4	2.6	9.0	1.1	397.5	409.4	391.3	6.2
SMDH 00573	816234.34	8193843.18	166.02	6.0	7.0	75.0	4148.0	2.2	11.9	1168.5	26.1	376.1	78.1	225.0	143.2	232.9	252.2	1.9	8.4	1.3	431.2	445.7	423.7	7.4
SMDH 00573	816234.34	8193843.18	166.02	7.0	8.0	90.0	5137.1	2.8	15.3	1308.4	33.9	639.5	89.4	257.5	163.9	266.5	288.5	2.5	11.4	1.1	482.0	502.3	471.9	10.2
SMDH 00573	816234.34	8193843.18	166.02	8.0	9.0	95.0	4762.6	2.5	14.8	1108.1	39.4	681.8	73.2	210.8	134.2	218.2	236.3	2.2	11.2	1.1	419.7	444.1	408.5	11.2
SMDH 00573	816234.34	8193843.18	166.02	9.0	10.0	85.0	4769.1	2.6	15.0	1065.8	37.7	585.1	74.9	215.7	137.3	223.3	241.8	2.3	11.2	1.2	346.5	369.8	335.9	10.6
SMDH 00573	816234.34	8193843.18	166.02	10.0	11.0	95.0	5081.0	2.8	15.8	1191.4	33.5	474.4	84.1	242.3	154.3	250.8	271.6	2.6	11.8	1.2	381.3	401.4	371.3	10.0
SMDH 00575	813787.11	8195606.24	165.92	0.0	1.0	15.0	3655.2	1.8	14.1	394.3	31.8	588.3	64.6	186.0	118.4	192.4	208.4	1.6	11.1	1.2	192.7	212.5	183.3	9.4
SMDH 00575	813787.11	8195606.24	165.92	1.0	2.0	30.0	3968.8	1.9	13.6	588.6	47.9	1054.2	74.7	215.0	136.9	222.5	241.0	1.7	10.4	1.2	288.5	318.9	274.6	13.9
SMDH 00575	813787.11	8195606.24	165.92	2.0	3.0	40.0	5380.3	3.0	14.5	1533.3	53.9	821.4	83.5	240.6	153.1	249.0	269.6	2.6	10.4	1.1	436.6	470.8	421.4	15.1
SMDH 00575	813787.11	8195606.24	165.92	3.0	4.0	60.0	3588.7	1.9	9.0	1093.0	32.9	558.5	49.9	143.7	91.5	148.8	161.1	1.7	5.9	1.2	269.7	290.2	260.1	9.6
SMDH 00575	813787.11	8195606.24	165.92	4.0	5.0	80.0	4435.1	2.5	13.1	1061.4	46.8	612.4	85.4	245.9	156.6	254.5	275.6	2.2	9.6	1.1	323.7	354.0	310.9	12.8
SMDH 00575	813787.11	8195606.24	165.92	5.0	6.0	90.0	3826.8	2.1	10.1	1070.0	36.0	666.1	52.5	151.1	96.2	156.4	169.4	1.8	6.8	1.2	251.9	274.5	241.9	10.1
SMDH 00575	813787.11	8195606.24	165.92	6.0	7.0	80.0	4184.7	2.3	10.8	1220.8	41.6	726.8	62.1	178.8	113.8	185.0	200.4	2.0	7.2	1.3	279.1	305.8	267.9	11.3
SMDH 00576	816709.91	8195586.46	169.27	0.0	1.0	50.0	3081.8	1.4	8.6	716.3	48.8	1163.9	86.3	248.5	158.2	257.2	278.5	1.1	6.7	0.6	394.9	426.2	381.4	13.5
SMDH 00576	816709.91	8195586.46	169.27	1.0	2.0	40.0	3979.8	1.9	11.8	864.5	51.9	1241.1	84.9	244.5	155.7	253.1	274.0	1.6	9.1	0.8	408.6	441.7	394.1	14.4
SMDH 00576	816709.91	8195586.46	169.27	2.0	3.0	40.0	4610.8	2.2	14.1	979.6	63.7	1445.5	81.0	233.3	148.5	241.4	261.5	1.8	11.0	0.9	486.5	526.2	467.9	18.5
SMDH 00576	816709.91	8195586.46	169.27	3.0	4.0	50.0	11770.1	8.8	20.6	4922.2	40.3	225.5	121.9	351.0	223.4	363.2	393.3	8.1	11.3	0.5	139.9	166.1	129.1	10.8
SMDH 00576	816709.91	8195586.46	169.27	4.0	5.0	75.0	11189.0	7.6	24.3	4219.6	38.1	409.7	99.0	285.2	181.5	295.1	319.6	7.0	16.0	0.7	183.2	207.5	172.1	11.1
SMDH 00576	816709.91	8195586.46	169.27	5.0	6.0	75.0	9053.4	5.7	21.1	3128.5	72.1	820.0	108.8	313.3	199.4	324.2	351.1	5.1	14.5	1.0	360.4	406.8	339.9	20.6
SMDH 00576	816709.91	8195586.46	169.27	6.0	7.0	60.0	7681.6	4.6	19.2	2412.7	58.1	1037.8	96.2	277.1	176.4	286.8	310.5	4.2	13.7	0.9	372.3	409.7	356.1	16.2
SMDH 00576	816709.91	8195586.46	169.27	7.0	8.0	70.0	6447.1	3.7	17.0	1938.7	63.5	771.4	108.5	312.6	199.0	323.5	350.3	3.3	12.3	1.0	394.4	434.9	376.7	17.7
SMDH 00576	816709.91	8195586.46	169.27	8.0	9.0	80.0	4839.1	2.6	15.6	982.8	42.2	713.0	94.7	272.6	173.5	282.1	305.5	2.3	12.0	1.0	340.4	366.6	328.1	12.2
SMDH 00576	816709.91	8195586.46	169.27	9.0	10.0	60.0	5017.7	2.7	15.5	1161.8	65.8	728.3	70.8	203.9	129.8	211.0	228.5	2.4	11.8	1.0	395.3	437.0	376.3	19.0
SMDH 00576	816709.91	8195586.46	169.27	10.0	11.0	90.0	7309.6	4.2	21.3	1883.1	82.1	810.5	112.9	325.1	206.9	336.4	364.3	3.8	16.0	1.1	465.6	517.8	442.0	23.6
SMDH 00576	816709.91	8195586.46	169.27	11.0	12.0	95.0	6803.1	4.0	19.2	1797.0	38.2	867.0	118.1	340.2	216.6	352.1	381.3	3.6	14.1	1.1	374.9	398.3	363.8	11.0
SMDH 00576	816709.91	8195586.46	169.27	12.0	13.0	98.0	9441.1	6.5	29.6	1765.7	91.8	754.5	170.5	491.0	312.6	508.1	550.3	6.0	22.0	1.1	308.4	367.9	282.9	25.5
SMDH 00576	816709.91	8195586.46	169.27	13.0	14.0	95.0	9534.6	6.7	29.8	1947.9	53.7	259.3	142.9	411.5	261.9	425.9	461.2	6.3	22.0	1.1	132.2	167.5	117.5	14.7
SMDH 00576	816709.91	8195586.46	169.27	14.0	15.0	85.0	8989.9	5.4	28.6	1928.6	48.9	783.3	184.6	531.8	338.5	550.4	596.0	4.9	22.0	1.2	371.3	401.0	356.7	14.6
SMDH 00576	816709.91	8195586.46	169.27	15.0	16.0	90.0	8915.3	6.2	29.4	1474.3	40.3	440.2	180.3	519.4	330.6	537.5	582.1	5.8	22.0	1.2	184.9	210.1	173.0	11.9
SMDH 00577	816135.63	8197017.01	177.20	0.0	1.0	40.0	4189.7	2.1	15.5	545.8	30.5	1182.1	52.4	150.9	96.1	156.2	169.1	1.8	13.1	0.4	318.6	337.3	309.6	9.0
SMDH 00577	816135.63	8197017.01	177.20	1.0	2.0	50.0	4863.3	2.4	18.2	682.5	47.4	580.3	98.4	283.4	180.4	293.3	317.6	2.2	14.4	1.4	343.4	373.8	330.4	13.0
SMDH 00577	816135.63	8197017.01	177.20	2.0	3.0	40.0	4278.6	2.0	13.6	936.9	79.5	845.1	71.6	206.3	131.3	213.5	231.2	1.8	10.5	1.0	513.3	563.4	489.8	23.5
SMDH 00577	816135.63	8197017.01	177.20	3.0	4.0	50.0	5097.1	3.3	14.4	1271.6	34.6	502.3	57.9	166.7	106.1	172.6	186.9	3.0	10.2	0.9	220.6	242.3	210.9	9.8
SMDH 00577	816135.63	8197017.01	177.20	4.0	5.0	60.0	6247.9	4.9	11.6	2339.8	15.2	284.9	32.5	93.6	59.6	96.8	104.9	4.6	6.0	0.7	68.0	76.8	63.9	4.1
SMDH 00577	816135.63	8197017.01	177.20	5.0	6.0	70.0	7184.7	5.5	13.7	2609.7	24.0	468.6	53.4	153.7	97.9	159.1	172.3	5.1	7.4	0.8	153.7	168.5	147.6	6.2
SMDH 00577	816135.63	8197017.01	177.20	6.0	7.0	60.0	8089.0	6.2	14.4	3196.6	37.2	327.0	46.7	134.5	85.6	139.2	150.8	5.8	7.5	0.7	243.6	266.8	233.7	9.9
SMDH 00577	816135.63	8197017.01	177.20	7.0	8.0	90.0	5992.5	4.0	18.0	1307.6	17.0	495.2	70.1	201.8	128.5	208.8	226.1	3.8	12.9	1.1	52.7	63.1	48.1	4.5
SMDH 00600	814699.79	8193217.32	160.17	0.0	1.0	20.0	4773.1	2.7	15.1	760.5	63.3	1392.6	101.9	293.4	186.8	303.7	328.8	2.3	11.7	0.8	458.8	497.8	440.0	18.8
SMDH 00600	814699.79	8193217.32	160.17	1.0	2.0	50.0	4672.9	2.2	15.1	798.4	65.6	1449.2	101.4	292.1	185.9	302.2	327.3	1.9	11.8	1.1	496.3	536.7	476.7	19.6
SMDH 00600	814699.79	8193217.32	160.17	2.0	3.0	80.0	4672.9	2.6	14.6	1011.7	46.0	612.3	75.3	216.8	138.0	224.4	243.0	2.3	10.8	1.2	360.1	388.6	346.7	13.4
SMDH 00600	814699.79	8193217.32	160.17	3.0	4.0	60.0	6452.8	4.1	17.6	1842.1	22.8	383.8	65.7	189.1	120.4	195.7	211.9	3.8	12.3	1.3	271.7	285.3	265.8	5.9
SMDH 00600	814699.79	8193217.32	160.17	4.0	5.0	50.0	5398.7	3.4	14.3	1587.2	20.0	399.2	52.3	150.5	95.8	155.7	168.6	3.1	9.6	1.2	224.7	236.6	219.2	5.5
SMDH 00600	814699.79	8193217.32	160.17	5.0	6.0	60.0	6815.1	4.4	16.4	2193.9	14.2	727.5	70.1	202.0	128.6	209.1	226.4	4.0	10.9	1.1	255.8	263.2	251.8	4.1
SMDH 00600	814699.79	8193217.32	160.17	6.0	7.0	50.0	6575.3	4.3	16.4	2060.0	12.7	426.7	63.9	184.1	117.2	190.5	206.3	4.0	11.0	1.1	226.4	233.0	223.1	3.3
SMDH 00600	814699.79	8193217.32	160.17	7.0	8.0	80.0	6905.4	4.4	16.5	2351.9	12.0	406.6	60.6	174.7	111.2	180.8	195.7	4.1	10.9	1.2	301.9	307.6	298.6	3.3
SMDH 00600	814699.79	8193217.32	160.17	8.0	9.0	80.0	7006.9	4.6	17.0	2300.4	10.5	486.8	71.0	204.4	130.1	211.5	229.1	4.2	11.3	1.1	276.1	280.8	273.3	2.8
SMDH 00600	814699.79	8193217.32	160.17	9.0	10.0	80.0	6395.7	4.1	17.3	1853.6	14.9	368.8	69.4	199.9	127.2	206.9	224.0	3.8	12.1	1.2	278.9	287.0	275.0	3.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00600	814699.79	8193217.32	160.17	10.0	11.0	80.0	6123.7	3.7	17.9	1592.6	13.8	457.9	80.6	232.2	147.8	240.3	260.2	3.4	12.9	1.2	334.5	341.3	330.5	4.0
SMDH 00600	814699.79	8193217.32	160.17	11.0	12.0	80.0	4907.6	3.0	13.2	1449.0	17.3	312.7	58.2	167.6	106.7	173.4	187.8	2.7	9.0	1.3	240.0	249.9	235.3	4.7
SMDH 00601	814979.23	8193212.16	161.38	0.0	1.0	20.0	5007.8	2.7	18.5	604.4	45.6	951.4	97.6	281.2	179.0	291.1	315.2	2.4	14.8	0.9	313.7	342.1	300.5	13.2
SMDH 00601	814979.23	8193212.16	161.38	1.0	2.0	50.0	5978.9	3.5	21.0	970.7	45.8	553.0	93.8	270.1	171.9	279.6	302.7	3.2	16.3	1.2	234.0	262.8	220.5	13.5
SMDH 00601	814979.23	8193212.16	161.38	2.0	3.0	80.0	8200.0	5.9	14.4	3499.0	30.7	188.1	44.6	128.4	81.7	132.9	143.9	5.4	7.7	0.9	136.8	155.9	128.5	8.2
SMDH 00601	814979.23	8193212.16	161.38	3.0	4.0	40.0	7816.1	6.1	12.5	3389.9	20.4	100.7	29.6	85.2	54.3	88.2	95.5	5.7	5.7	0.7	137.4	149.7	132.3	5.0
SMDH 00601	814979.23	8193212.16	161.38	4.0	5.0	60.0	11019.0	8.5	31.5	2501.0	44.4	152.0	149.6	430.8	274.2	445.9	482.8	8.0	22.0	1.0	73.4	101.2	60.5	12.9
SMDH 00601	814979.23	8193212.16	161.38	5.0	6.0	80.0	11468.5	8.9	32.0	2653.0	47.0	159.3	162.4	467.8	297.8	484.1	524.2	8.5	22.0	1.0	70.0	100.6	57.0	13.0
SMDH 00601	814979.23	8193212.16	161.38	6.0	7.0	40.0	11904.6	9.2	32.0	3058.5	50.6	153.3	134.3	386.7	246.2	400.2	433.4	8.7	22.0	0.8	69.9	102.9	56.3	13.6
SMDH 00601	814979.23	8193212.16	161.38	7.0	8.0	80.0	10622.1	8.2	31.2	2232.4	44.3	177.7	143.1	412.0	262.3	426.4	461.8	7.8	22.0	1.0	72.5	100.4	59.4	13.0
SMDH 00601	814979.23	8193212.16	161.38	8.0	9.0	80.0	10396.6	8.2	31.4	1929.0	50.4	166.2	179.1	515.9	328.4	534.0	578.2	7.7	22.0	1.2	77.1	109.6	63.0	14.2
SMDH 00601	814979.23	8193212.16	161.38	9.0	10.0	20.0	11342.4	8.5	31.7	2760.3	50.1	146.2	163.3	470.2	299.3	486.6	526.9	8.0	22.0	1.1	84.3	116.8	70.5	13.8
SMDH 00601	814979.23	8193212.16	161.38	10.0	11.0	80.0	10898.5	8.3	31.3	2478.2	50.8	156.4	161.7	465.8	296.5	482.1	522.0	7.8	22.0	1.0	76.3	109.3	62.2	14.2
SMDH 00601	814979.23	8193212.16	161.38	11.0	12.0	80.0	9296.5	6.9	29.9	1643.0	43.6	143.4	146.4	421.6	268.3	436.3	472.4	6.5	22.0	1.1	101.4	129.1	88.9	12.5
SMDH 00601	814979.23	8193212.16	161.38	12.0	13.0	80.0	6815.4	4.1	21.5	1483.1	34.6	577.0	105.5	303.8	193.4	314.4	340.5	3.8	16.2	1.2	395.3	415.7	384.9	10.4
SMDH 00601	814979.23	8193212.16	161.38	13.0	14.0	80.0	5798.2	3.6	18.6	1159.9	44.1	399.7	78.0	224.7	143.0	232.5	251.8	3.4	13.9	1.1	208.6	235.3	194.9	13.7
SMDH 00601	814979.23	8193212.16	161.38	14.0	15.0	80.0	5223.4	2.8	16.1	1217.8	48.3	655.6	92.0	265.0	168.7	274.2	297.0	2.5	11.9	1.4	488.2	518.0	474.4	13.8
SMDH 00601	814979.23	8193212.16	161.38	15.0	16.0	80.0																		
SMDH 00601	814979.23	8193212.16	161.38	16.0	17.0	80.0	4512.8	2.3	14.0	991.9	55.8	692.2	81.5	234.6	149.3	242.8	262.9	2.1	10.3	1.3	480.5	513.7	463.5	16.9
SMDH 00601	814979.23	8193212.16	161.38	17.0	18.0	80.0	4702.9	2.5	15.4	858.8	60.9	830.0	91.3	262.9	167.3	272.0	294.6	2.2	11.6	1.3	476.8	512.9	457.9	18.9
SMDH 00601	814979.23	8193212.16	161.38	18.0	19.0	80.0	6877.6	3.5	23.5	1197.9	82.2	1091.0	151.4	436.2	277.6	451.4	488.8	3.1	18.2	1.7	732.8	782.5	708.3	24.6
SMDH 00601	814979.23	8193212.16	161.38	19.0	20.0	80.0	5374.2	2.8	19.2	815.4	56.4	671.1	113.9	328.2	208.9	339.6	367.8	2.5	14.8	1.6	464.6	499.2	448.2	16.4
SMDH 00601	814979.23	8193212.16	161.38	20.0	21.0	80.0	5021.8	2.5	16.6	905.3	72.7	1016.1	88.3	254.5	162.0	263.3	285.2	2.2	12.7	1.4	529.3	574.1	507.9	21.3
SMDH 00606	814837.65	8193503.76	161.15	0.0	1.0	20.0	3034.4	1.6	11.0	390.6	32.4	593.2	60.2	173.2	110.3	179.3	194.2	1.4	8.7	0.7	209.4	229.5	199.9	9.5
SMDH 00606	814837.65	8193503.76	161.15	1.0	2.0	50.0	3885.4	2.1	13.9	500.1	47.1	689.9	79.8	229.8	146.2	237.8	257.5	1.9	10.9	1.0	285.5	314.9	271.3	14.1
SMDH 00606	814837.65	8193503.76	161.15	2.0	3.0	70.0	4958.8	2.8	14.1	1316.8	51.9	584.0	88.9	256.1	163.0	265.1	287.0	2.5	10.4	0.9	342.5	375.4	327.6	14.9
SMDH 00606	814837.65	8193503.76	161.15	3.0	4.0	80.0	8557.8	5.5	17.8	3440.5	33.1	368.0	71.6	206.3	131.3	213.5	231.2	5.0	11.3	1.0	246.7	266.6	236.5	10.1
SMDH 00606	814837.65	8193503.76	161.15	4.0	5.0	70.0	9396.1	6.1	16.3	4290.0	30.7	282.0	67.3	193.8	123.3	200.5	217.1	5.6	9.0	1.1	181.9	201.4	173.3	8.6
SMDH 00606	814837.65	8193503.76	161.15	5.0	6.0	70.0	7148.2	4.5	17.9	2351.8	27.4	341.4	76.9	221.6	141.1	229.3	248.3	4.1	12.3	1.1	231.3	248.1	223.5	7.8
SMDH 00606	814837.65	8193503.76	161.15	6.0	7.0	50.0	7491.6	4.6	17.2	2757.4	45.5	352.8	70.5	203.0	129.2	210.1	227.5	4.2	11.5	1.1	272.2	300.9	259.4	12.8
SMDH 00606	814837.65	8193503.76	161.15	7.0	8.0	50.0	6567.0	3.9	16.2	2234.2	44.4	403.4	71.1	204.8	130.4	212.0	229.5	3.6	11.1	1.1	293.3	321.5	281.1	12.2
SMDH 00606	814837.65	8193503.76	161.15	8.0	9.0	80.0	6774.5	4.1	17.5	2131.4	30.4	499.1	82.6	238.0	151.5	246.3	266.7	3.8	12.3	1.1	238.2	256.7	229.0	9.2
SMDH 00606	814837.65	8193503.76	161.15	9.0	10.0	80.0	6213.0	3.7	17.8	1630.0	36.1	567.2	86.7	249.7	159.0	258.4	279.9	3.4	12.9	1.2	239.9	262.4	229.6	10.3
SMDH 00606	814837.65	8193503.76	161.15	10.0	11.0	50.0	6461.3	3.7	19.1	1712.0	34.6	517.9	92.4	266.1	169.4	275.4	298.2	3.4	14.1	1.2	326.0	346.4	315.2	10.8
SMDH 00606	814837.65	8193503.76	161.15	11.0	12.0	80.0	5090.7	2.9	16.8	1039.3	28.4	482.9	86.8	250.1	159.2	258.8	280.3	2.6	12.8	1.2	273.7	290.8	265.4	8.3
SMDH 00606	814837.65	8193503.76	161.15	12.0	13.0	90.0	6162.1	3.6	17.6	1688.8	43.1	476.9	85.5	246.3	156.8	254.9	276.0	3.3	12.8	1.1	266.1	293.0	253.7	12.4
SMDH 00606	814837.65	8193503.76	161.15	13.0	14.0	90.0	6081.7	3.6	18.5	1473.3	44.9	493.9	102.8	296.2	188.5	306.5	331.9	3.2	13.7	1.2	265.2	293.2	251.9	13.3
SMDH 00606	814837.65	8193503.76	161.15	14.0	15.0	90.0	4353.4	2.4	13.8	936.8	22.5	475.8	89.0	256.3	163.2	265.3	287.3	2.2	10.2	1.2	224.7	238.3	218.1	6.5
SMDH 00606	814837.65	8193503.76	161.15	15.0	16.0	90.0	5623.3	3.3	16.0	1508.5	37.1	521.4	85.9	247.5	157.5	256.1	277.3	3.0	11.5	1.2	248.1	271.6	237.5	10.6
SMDH 00606	814837.65	8193503.76	161.15	16.0	17.0	90.0	5554.4	3.1	17.9	1207.0	38.4	494.9	85.3	245.7	156.4	254.2	275.3	2.9	13.6	1.2	289.1	313.4	278.2	10.9
SMDH 00606	814837.65	8193503.76	161.15	17.0	18.0	90.0	5854.2	3.4	18.4	1315.8	37.2	590.3	85.1	245.1	156.0	253.7	274.7	3.1	13.8	1.2	304.2	327.1	293.2	11.0
SMDH 00607	815116.59	8193508.28	161.97	0.0	1.0	20.0	5513.4	2.9	20.2	789.0	51.2	693.9	105.3	303.3	193.1	313.9	339.9	2.6	15.8	1.5	311.5	343.1	295.9	15.6
SMDH 00607	815116.59	8193508.28	161.97	1.0	2.0	30.0	5144.1	2.6	17.3	914.4	63.7	1033.7	99.4	286.2	182.2	296.2	320.7	2.3	13.4	1.3	410.8	451.6	393.3	17.5
SMDH 00607	815116.59	8193508.28	161.97	2.0	3.0	60.0	4813.0	2.8	14.0	1102.1	48.2	904.6	85.3	245.6	156.3	254.2	275.2	2.5	10.4	0.9	365.0	394.5	350.3	14.7
SMDH 00607	815116.59	8193508.28	161.97	3.0	4.0	60.0	7104.6	4.9	14.5	2539.6	55.0	786.2	73.0	210.1	133.8	217.5	235.5	4.5	8.9	0.8	395.9	431.0	381.6	14.3
SMDH 00607	815116.59	8193508.28	161.97	4.0	5.0	60.0	6831.9	4.5	14.3	2374.3	50.3	1051.6	72.2	207.8	132.3	215.1	232.9	4.1	9.0	0.8	454.5	485.0	440.0	14.6
SMDH 00607	815116.59	8193508.28	161.97	5.0	6.0	70.0	6454.0	4.4	15.8	1926.2	60.4	537.6	64.8	186.6	118.8	193.1	209.1	4.1	10.4	1.0	235.7	274.0	219.2	16.5
SMDH 00607	815116.59	8193508.28	161.97	6.0	7.0	70.0	6002.0	3.9	16.5	1561.0	62.3	550.3	74.0	213.0	135.6	220.5	238.7	3.5	11.5	1.1	289.9	329.2	272.2	17.7
SMDH 00607	815116.59	8193508.28	161.97	7.0	8.0	80.0	5566.8	3.4	16.3	1330.2	53.9	562.2	82.9	238.7	151.9	247.0	267.5	3.1	11.7	1.2	275.0	309.0	259.6	15.4
SMDH 00607	815116.59	8193508.28	161.97	8.0	9.0	80.0	5695.2	3.3	17.2	1312.1	64.9	603.9	83.7	241.1	153.5	249.5	270.2	3.0	12.7	1.2	365.3	406.8	347.1	18.2
SMDH 00607	815116.59	8193508.28	161.97	9.0	10.0	80.0	5066.2	3.0	15.5	1167.8	45.4	478.1	76.6	220.7	140.5	228.4	247.3	2.7	11.3	1.2	301.6	329.6	288.5	13.1
SMDH 00607	815116.59	8193508.28	161.97	10.0	11.0	80.0	5498.2	3.2	17.4	1132.3	68.4	616.4	87.9	253.3	161.2	262.1	283.8	2.9	13.0	1.2	329.0	371.9	308.9	20.1
SMDH 00607	815116.59	8193508.28	161.97	11.0	12.0	80.0	5061.6	3.0	16.2	979.9	39.7	609.0	87.6	252.2	160.5	261.0	282.6	2.7	12.0	1.3	227.3	252.1	215.8	11.5
SMDH 00607	815116.59	8193508.28	161.97	12.0	13.0	80.0	5705.3	3.5	17.6	1235.5	33.9	490.6	99.3	286.1	182.1	296.1	320.7	3.2	12.8	1.3	224.9	245.7	215.1	9.8
SMDH 00607	815116.59	8193508.28	161.97	13.0	14.0	80.0	5543.3	3.2	17.7	1107.2	72.7	640.8	85.9	247.4	157.5	256.1	277.3	3.0	13.2	1.2	314.6	360.4	293.5	21.1
SMDH 00607	815116.59	8193508.28	161.97	14.0	15.0	80.0	9064.3	6.6	29.7	1494.6	51.6	342.1	142.7	411.1	261.7	425.4	460.7	6.2	22.0	1.1	194.4	226.5	179.0	15.4
SMDH 00607	815116.59	8193508.28	161.97	15.0	16.0	80.0	8631.7	6.6	29.7	1056.0	46.4	241.4	156.2	450.0	286.4	465.7	504.3	6.3	22.0	1.1	98.1	127.3	84.4	13.7
SMDH 00608	815395.40	8193493.36	162.63	0.0	1.0	20.0	5105.1	2.8	19.3	559.9	60.6	699.9	108.7	313.1	199.3	324.0	350.9	2.5	15.2	1.3	301.3	340.4	284.7	16.7
SMDH 00608	815395.40	8193493.36	162.63	1.0	2.0	40.0	4464.0	2.4	15.3	643.7	54.1	983.8	93.4	268.9	171.2	278.3	301.3	2.1	11.8	1.1	289.1	323.1	273.3	15.8
SMDH 00608	815395.40	8193493.36	162.63	2.0	3.0	70.0	4909.3	2.7	17.5	674.0	49.9	742.4	100.9	290.7	185.0	300.8	325.8	2.5	13.6	1.1	310.2	342.1	296.1	14.0
SMDH 00608	815395.40	8193493.36	162.63	3.0	4.0	70.0	5152.8	2.5	16.4	923.3	66.0	1563.7	99.2	285.7	181.9	295.7	320.2	2.2	12.8	1.1	520.9	561.7	501.3	19.7
SMDH 00608	815395.40	8193493.36	162.63	4.0	5.0	70.0	5248.3	2.8	17.1	879.6	70.8	1335.3	112.6	324.3	206.4	335.6	363.4	2.4	13.2	1.1	486.8	531.2	466.3	20.5
SMDH 00608	815395.40	8193493.36	162.63	5.0	6.0	70.0	5260.1	2.5	14.7	1207.1	80.7	1947.3	101.5	292.4	186.1	302.6	327.7	2.0	11.3	0.9	705.0	755.5	681.8	23.2
SMDH 00608	815395.40	8193493.36	162.63	6.0	7.0	70.0	5550.9	2.9	16.0	1324.5	64.3	1307.8	99.3	286.0	182.0	295.9	320.5	2.5	11.9	1.1	570.7	611.4	552.7	18.0
SMDH 00608	815395.40	8193493.36	162.63	7.0	8.0	80.0	5389.4	3.1	16.3	1257.0	32.0	615.2	95.0	273.5	174.1	283.1	306.6	2.8	12.0	1.2	377.2	396.8	368.3	8.9
SMDH 00608	815395.40	8193493.36	162.63	8.0	9.0	80.0	5204.8	3.0	16.1	1168.7	53.4	556.2	89.1	256.8	163.4	265.7	287.7	2.7	12.0	1.2	408.3	441.3	392.7	15.6
SMDH 00608	815395.40	8193493.36	162.63	9.0	10.0	80.0	5417.8	3.0	16.3	1318.5	46.5	622.9	90.1	259.5	165.2	268.5	290.8	2.7	12.1	1.2	470.9	499.4	457.5	13.4
SMDH 00608	815395.40	8193493.36	162.63	10.0	11.0	80.0	5952.0	3.4	19.1	1189.7	74.4	759.6	98.6	284.0	180.8	293.9	318.2	3.1	14.5	1.2	479.1	525.3	456.7	22.3
SMDH 00608	815395.40	8193493.36	162.63	11.0	11.1	80.0	5014.5	2.7	14.6	1340.3	41.3	499.2	76.8	221.1	140.7	228.8	247.7	2.4	10.6	1.3	473.6	499.2	462.2	11.4
SMDH 00608	815395.40	8193493.36	162.63	11.1	12.0	80.0	5014.5	2.7	14.6	1340.3	41.3	499.2	76.8	221.1	140.7	228.8	247.7	2.4	10.6	1.3	473.6	499.2	462.2	11.4
SMDH 00615	815530.97	8193766.24	163.46	0.0	1.0	20.0	4382.5	2.3	15.7	522.5	51.3	1049.6	96.1	276.8	176.2	286.5	310.2	2.0	12.4	1.1	303.3	335.3	288.2	15.0
SMDH 00615	815530.97	8193766.24	163.46	1.0	2.0	90.0	4993.9	2.7	17.1	780.4	58.5	883.9	106.0	305.2	194.3	315.8	342.0	2.4	13.2	1.1	338.4	375.0	321.2	17.2
SMDH 00615	815530.97	8193766.24	163.46	2.0	3.0	90.0																		
SMDH 00615	815530.97	8193766.24	163.46	3.0	4.0	90.0	3602.2	2.0	13.5	424.2	33.9	513.7	65.5	188.7	120.1	195.3	211.5	1.8	10.6	0.8	207.8	229.0	198.0	9.7
SMDH 00615	815530.97	8193766.24	163.46	4.0	5.0	90.0	4745.3	2.3	15.0	798.9	64.0	1618.8	100.0	288.1	183.4	298.1	322.9	2.0	11.6	1.0	460.0	500.1	441.4	18.7
SMDH 00615	815530.97	8193766.24	163.46	5.0	6.0	90.0	4776.7	2.4	15.1	998.4	53.4	1141.8	72.2	208.0	132.4	215.3	233.1	2.1	12.0	0.8	578.3	610.7	562.6	15.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00615	815530.97	8193766.24	163.46	6.0	7.0	90.0	4283.9	2.3	15.5	676.8	33.8	551.4	52.2	150.4	95.7	155.6	168.5	2.1	12.4	0.8	354.4	374.9	344.4	10.1
SMDH 00615	815530.97	8193766.24	163.46	7.0	8.0	90.0	6738.1	3.8	21.6	1407.5	33.1	879.4	95.5	275.0	175.0	284.6	308.2	3.5	16.4	1.4	439.8	459.4	430.6	9.2
SMDH 00615	815530.97	8193766.24	163.46	8.0	9.0	90.0	5279.7	3.4	15.1	1197.4	56.1	564.8	72.0	207.3	132.0	214.6	232.4	3.2	10.4	1.3	258.3	294.8	243.1	15.1
SMDH 00615	815530.97	8193766.24	163.46	9.0	10.0	90.0	6441.9	4.0	17.5	1818.7	47.2	474.9	74.1	213.5	135.9	220.9	239.3	3.7	12.2	1.3	271.1	300.8	257.8	13.2
SMDH 00615	815530.97	8193766.24	163.46	10.0	11.0	90.0	5262.2	2.8	17.3	1104.4	67.7	432.2	87.0	250.5	159.5	259.2	280.7	2.6	13.0	1.5	356.7	400.6	338.5	18.1
SMDH 00615	815530.97	8193766.24	163.46	11.0	12.0	90.0	5359.1	2.9	18.5	1000.9	45.5	454.6	77.8	224.1	142.7	232.0	251.2	2.7	14.1	1.4	328.9	357.5	315.8	13.1
SMDH 00615	815530.97	8193766.24	163.46	12.0	13.0	90.0	5302.8	2.8	19.8	748.8	31.8	525.2	92.7	267.0	170.0	276.4	299.3	2.6	15.5	1.5	299.7	319.1	290.7	9.0
SMDH 00615	815530.97	8193766.24	163.46	13.0	14.0	90.0	7014.2	3.8	26.5	1035.7	33.6	583.4	81.3	234.1	149.0	242.3	262.4	3.6	21.2	1.5	409.4	430.1	400.0	9.4
SMDH 00615	815530.97	8193766.24	163.46	14.0	15.0	90.0	7287.5	5.2	26.2	929.2	29.8	150.9	73.8	212.6	135.3	220.0	238.3	5.0	19.7	1.3	106.7	126.0	98.4	8.3
SMDH 00615	815530.97	8193766.24	163.46	15.0	16.0	90.0	7026.1	4.8	24.6	1037.5	30.3	158.2	79.5	228.9	145.7	236.9	256.5	4.6	18.5	1.3	103.2	122.6	94.5	8.7
SMDH 00615	815530.97	8193766.24	163.46	16.0	17.0	90.0	8382.9	6.1	29.4	1156.2	24.5	120.4	86.1	247.8	157.8	256.5	277.7	5.9	22.0	1.3	62.0	77.6	55.2	6.7
SMDH 00615	815530.97	8193766.24	163.46	17.0	18.0	90.0	8381.7	6.2	28.6	1256.1	25.8	89.2	61.6	177.3	112.9	183.5	198.7	6.0	21.1	1.3	61.9	78.3	54.6	7.4
SMDH 00615	815530.97	8193766.24	163.46	18.0	19.0	90.0	8964.4	6.8	30.0	1400.0	27.8	85.2	60.7	174.8	111.3	180.9	195.9	6.6	22.0	1.2	70.7	88.3	62.5	8.2
SMDH 00615	815530.97	8193766.24	163.46	19.0	20.0	90.0	5927.5	4.0	20.0	992.7	22.7	175.6	48.0	138.4	88.1	143.2	155.1	3.9	14.7	1.3	132.6	146.8	126.3	6.2
SMDH 00615	815530.97	8193766.24	163.46	20.0	21.0	90.0	7581.1	4.7	23.6	1781.7	75.8	130.9	125.6	361.9	230.3	374.5	405.5	4.3	17.6	1.4	609.4	658.1	588.0	21.4
SMDH 00615	815530.97	8193766.24	163.46	21.0	22.0	90.0	6778.1	4.7	24.2	883.0	25.4	253.4	82.7	238.2	151.6	246.5	266.9	4.5	18.1	1.4	137.9	153.8	130.9	7.0
SMDH 00615	815530.97	8193766.24	163.46	22.0	23.0	90.0	6342.1	3.6	24.6	712.3	32.6	523.4	106.8	307.7	195.9	318.5	344.8	3.3	19.5	1.6	299.8	319.8	290.2	9.7
SMDH 00614	815249.23	8193783.71	163.51	0.0	1.0	20.0	5181.6	2.5	20.0	609.2	54.3	774.5	96.3	277.4	176.6	287.1	310.9	2.3	15.9	1.5	357.6	389.6	339.4	18.2
SMDH 00614	815249.23	8193783.71	163.51	1.0	2.0	40.0	5637.5	3.1	17.0	1359.6	69.4	776.8	87.7	252.6	160.8	261.4	283.0	2.8	12.8	1.1	384.1	429.0	365.4	18.7
SMDH 00614	815249.23	8193783.71	163.51	2.0	3.0	80.0	6387.3	4.2	17.7	1640.4	61.2	466.0	80.2	231.1	147.1	239.2	259.0	3.9	12.4	1.2	317.8	357.0	301.0	16.9
SMDH 00614	815249.23	8193783.71	163.51	3.0	4.0	80.0	7906.2	5.7	15.5	2991.1	39.1	386.1	61.2	176.2	112.2	182.4	197.5	5.3	8.9	0.9	267.0	290.8	256.1	10.9
SMDH 00614	815249.23	8193783.71	163.51	4.0	5.0	80.0	8979.2	6.4	15.9	3785.5	46.6	354.3	58.5	168.4	107.2	174.3	188.7	5.9	8.7	0.9	302.9	330.6	288.7	14.2
SMDH 00614	815249.23	8193783.71	163.51	5.0	6.0	80.0	6197.0	3.8	16.6	1681.5	45.0	745.1	95.6	275.4	175.3	285.1	308.7	3.5	11.6	1.2	452.9	479.7	439.7	13.1
SMDH 00614	815249.23	8193783.71	163.51	6.0	7.0	80.0	7523.9	5.3	19.1	2190.5	41.7	316.7	84.4	243.2	154.8	251.7	272.5	5.0	12.8	1.0	341.1	366.6	329.5	11.7
SMDH 00614	815249.23	8193783.71	163.51	7.0	8.0	80.0	5929.7	3.6	16.8	1520.4	68.9	512.5	83.7	241.1	153.5	249.5	270.2	3.3	12.1	1.1	444.0	487.6	424.7	19.3
SMDH 00614	815249.23	8193783.71	163.51	8.0	9.0	80.0	6178.1	3.9	16.4	1748.7	57.5	497.9	84.9	244.5	155.6	253.0	274.0	3.6	11.3	1.2	421.5	457.4	405.5	16.0
SMDH 00614	815249.23	8193783.71	163.51	9.0	10.0	80.0	6145.5	3.6	17.5	1603.9	80.3	595.7	89.5	257.6	164.0	266.6	288.7	3.3	12.6	1.2	548.5	598.8	525.8	22.7
SMDH 00614	815249.23	8193783.71	163.51	10.0	11.0	80.0	4851.7	2.9	15.7	884.6	71.3	457.4	75.4	217.0	138.2	224.6	243.2	2.7	11.5	1.3	302.7	347.8	282.1	20.7
SMDH 00614	815249.23	8193783.71	163.51	11.0	12.0	80.0	4874.1	3.0	16.4	824.9	55.2	410.5	54.8	157.7	100.4	163.2	176.7	2.8	12.2	1.2	266.6	302.0	251.2	15.4
SMDH 00614	815249.23	8193783.71	163.51	12.0	13.0	80.0	4988.8	2.9	15.4	1111.0	55.3	555.1	69.8	201.1	128.0	208.1	225.4	2.6	11.3	1.2	418.1	452.1	401.7	16.4
SMDH 00614	815249.23	8193783.71	163.51	13.0	13.5	80.0	8429.9	5.8	25.0	2059.3	31.1	153.2	50.1	144.2	91.8	149.3	161.6	5.5	17.9	1.3	363.6	382.0	354.8	8.8
SMDH 00613	814973.43	8193770.50	161.66	0.0	1.0	20.0	4517.1	2.4	16.4	570.5	45.7	876.2	97.6	281.2	179.0	291.1	315.2	2.1	12.9	1.0	310.5	339.0	297.0	13.5
SMDH 00613	814973.43	8193770.50	161.66	1.0	2.0	50.0	4503.6	2.4	15.0	718.7	56.8	1052.5	97.8	281.6	179.2	291.4	315.6	2.1	11.7	1.0	386.7	421.8	369.6	17.1
SMDH 00613	814973.43	8193770.50	161.66	2.0	3.0	50.0	3961.2	2.1	13.3	705.9	49.4	680.2	77.3	222.5	141.7	230.3	249.4	1.8	10.4	0.9	390.0	420.5	375.0	15.0
SMDH 00613	814973.43	8193770.50	161.66	3.0	4.0	80.0	3758.2	2.0	13.3	585.6	33.4	615.5	66.8	192.3	122.4	199.0	215.5	1.8	10.5	0.8	299.1	319.1	288.7	10.4
SMDH 00613	814973.43	8193770.50	161.66	4.0	5.0	80.0	5467.8	3.4	16.1	1257.1	69.8	594.2	71.3	205.4	130.7	212.6	230.2	3.1	11.6	1.1	259.8	304.3	239.6	20.2
SMDH 00613	814973.43	8193770.50	161.66	5.0	6.0	80.0	6133.4	3.8	17.1	1574.6	64.9	643.7	82.4	237.4	151.1	245.7	266.1	3.5	12.0	1.2	313.1	353.9	294.3	18.8
SMDH 00613	814973.43	8193770.50	161.66	6.0	7.0	80.0	5289.6	3.1	16.0	1218.2	54.5	545.7	79.1	227.9	145.1	235.9	255.4	2.8	11.8	1.2	324.7	359.0	308.8	15.9
SMDH 00613	814973.43	8193770.50	161.66	7.0	8.0	80.0	6675.1	4.2	17.7	1934.9	68.3	544.5	82.6	237.8	151.4	246.1	266.5	3.8	12.3	1.2	280.9	324.5	261.3	19.5
SMDH 00613	814973.43	8193770.50	161.66	8.0	9.0	80.0	6256.9	3.8	17.3	1689.5	68.4	618.9	83.7	241.1	153.5	249.5	270.2	3.4	12.4	1.2	306.0	349.1	285.9	20.2
SMDH 00613	814973.43	8193770.50	161.66	9.0	10.0	80.0	5690.4	3.4	16.9	1364.6	58.0	608.1	85.9	247.3	157.4	255.9	277.2	3.0	12.3	1.2	318.5	354.9	301.7	16.8
SMDH 00613	814973.43	8193770.50	161.66	10.0	11.0	80.0	6046.6	3.6	18.7	1310.3	73.2	622.6	88.8	255.6	162.7	264.6	286.5	3.3	13.9	1.2	340.3	386.0	318.6	21.7
SMDH 00613	814973.43	8193770.50	161.66	11.0	12.0	80.0	5617.2	3.3	16.8	1322.7	64.2	551.9	79.7	229.5	146.1	237.5	257.1	3.0	12.3	1.2	327.5	367.7	308.4	19.1
SMDH 00613	814973.43	8193770.50	161.66	12.0	13.0	80.0	5866.2	3.5	17.6	1350.0	70.1	626.8	83.4	240.2	152.9	248.6	269.2	3.2	12.8	1.2	316.4	360.7	295.8	20.7
SMDH 00612	814703.34	8193784.25	163.41	0.0	1.0	20.0	5494.4	2.7	21.9	539.2	38.0	801.2	103.0	296.6	188.8	307.0	332.4	2.5	17.6	1.6	295.6	318.3	284.1	11.5
SMDH 00612	814703.34	8193784.25	163.41	1.0	2.0	40.0	5511.2	2.8	21.7	584.4	47.8	645.7	105.2	303.1	192.9	313.7	339.7	2.6	17.3	1.6	343.0	373.0	329.6	13.4
SMDH 00612	814703.34	8193784.25	163.41	2.0	3.0	80.0	5391.7	2.9	18.9	841.4	48.0	819.9	96.1	276.8	176.2	286.5	310.2	2.6	14.6	1.4	318.6	348.6	304.7	13.8
SMDH 00612	814703.34	8193784.25	163.41	3.0	4.0	80.0	6509.8	3.7	22.1	1274.6	39.5	591.9	73.8	212.4	135.2	219.8	238.1	3.4	17.2	1.2	262.2	286.4	250.3	12.0
SMDH 00612	814703.34	8193784.25	163.41	4.0	5.0	80.0	6986.6	4.2	18.5	2186.6	31.7	489.5	67.9	195.5	124.4	202.3	219.1	3.9	13.2	1.0	257.4	276.5	247.9	9.5
SMDH 00612	814703.34	8193784.25	163.41	5.0	6.0	80.0	7237.4	4.4	18.0	2446.4	34.9	493.7	73.6	212.1	135.0	219.5	237.7	4.0	12.6	1.1	355.4	376.0	344.7	10.7
SMDH 00612	814703.34	8193784.25	163.41	6.0	7.0	80.0	6439.1	3.9	15.8	2220.7	39.1	384.7	74.1	213.4	135.8	220.8	239.1	3.5	10.8	1.1	326.6	350.7	315.3	11.3
SMDH 00612	814703.34	8193784.25	163.41	7.0	8.0	80.0	6436.6	3.8	17.5	1917.6	44.1	470.6	90.6	260.9	166.1	270.0	292.4	3.4	12.6	1.2	414.2	441.0	401.2	13.0
SMDH 00612	814703.34	8193784.25	163.41	8.0	9.0	80.0	5358.7	3.1	13.8	1729.5	33.2	348.2	69.3	199.7	127.1	206.7	223.8	2.8	9.5	1.2	312.9	333.1	303.3	9.6
SMDH 00612	814703.34	8193784.25	163.41	9.0	10.0	80.0	7260.9	4.4	16.0	2800.7	22.5	468.9	75.3	217.0	138.1	224.6	243.2	4.0	10.5	1.1	350.6	364.0	344.3	6.2
SMDH 00612	814703.34	8193784.25	163.41	10.0	11.0	80.0	5549.9	3.3	14.3	1779.0	42.8	318.5	53.9	155.3	98.9	160.8	174.1	3.1	9.8	1.1	236.3	263.4	224.0	12.3
SMDH 00612	814703.34	8193784.25	163.41	11.0	12.0	80.0	5953.7	3.6	18.6	1322.5	32.0	473.5	80.3	231.4	147.3	239.5	259.3	3.3	13.8	1.2	282.9	302.4	273.4	9.5
SMDH 00620	814838.67	8194053.69	163.38	0.0	1.0	30.0	5674.9	3.3	18.3	1197.9	54.5	633.2	82.7	238.3	151.7	246.6	267.0	3.1	14.3	0.6	368.9	403.3	353.5	15.4
SMDH 00620	814838.67	8194053.69	163.38	1.0	2.0	80.0	4516.7	2.5	15.2	796.1	47.2	704.8	86.7	249.7	158.9	258.4	279.8	2.3	11.9	0.7	335.8	364.9	321.8	14.0
SMDH 00620	814838.67	8194053.69	163.38	2.0	3.0	80.0	8527.9	5.5	16.8	3529.4	41.0	308.0	76.4	220.2	140.2	227.9	246.7	5.0	10.2	1.1	285.2	310.8	273.1	12.1
SMDH 00620	814838.67	8194053.69	163.38	3.0	4.0	80.0	11224.7	7.4	17.4	5476.6	37.5	322.3	63.8	183.8	117.0	190.2	205.9	6.7	9.1	0.9	319.2	341.3	307.8	11.5
SMDH 00620	814838.67	8194053.69	163.38	4.0	5.0	80.0	7225.7	4.5	18.4	2267.1	29.3	585.4	85.5	246.2	156.7	254.8	275.9	4.1	12.7	1.2	272.4	289.2	263.2	9.2
SMDH 00620	814838.67	8194053.69	163.38	5.0	6.0	80.0	6669.4	4.1	16.1	2162.3	16.9	714.6	91.8	264.3	168.3	273.6	296.2	3.7	10.8	1.2	211.1	221.2	206.5	4.7
SMDH 00620	814838.67	8194053.69	163.38	6.0	7.0	80.0	5333.8	3.1	13.8	1619.1	19.6	623.4	83.7	241.2	153.5	249.6	270.3	2.7	9.4	1.4	343.8	355.1	338.0	5.9
SMDH 00620	814838.67	8194053.69	163.38	7.0	8.0	80.0	4719.9	2.8	12.6	1320.2	37.8	662.2	69.9	201.3	128.1	208.3	225.5	2.5	8.8	1.0	274.1	296.8	262.5	11.5
SMDH 00620	814838.67	8194053.69	163.38	8.0	9.0	80.0	5056.1	3.0	13.3	1417.9	35.0	692.0	75.6	217.7	138.6	225.3	244.0	2.7	9.2	1.1	278.2	298.9	267.5	10.7
SMDH 00620	814838.67	8194053.69	163.38	9.0	10.0	80.0	5020.7	2.9	15.4	1132.1	38.3	543.3	76.5	220.4	140.3	228.1	247.0	2.7	11.2	1.2	317.6	341.6	306.7	10.8
SMDH 00620	814838.67	8194053.69	163.38	10.0	11.0	80.0	6565.3	4.4	20.0	1442.4	28.4	364.6	74.2	213.8	136.1	221.3	239.6	4.1	14.3	1.3	164.4	182.3	156.5	7.9
SMDH 00620	814838.67	8194053.69	163.38	11.0	12.0	80.0	5176.9	2.8	17.2	899.8	26.5	907.4	115.7	333.2	212.1	344.9	373.5	2.5	12.9	1.4	385.6	401.5	378.1	7.5
SMDH 00620	814838.67	8194053.69	163.38	12.0	12.5	80.0	5317.8	3.1	16.9	1059.3	19.6	727.2	100.3	288.9	183.9	298.9	323.7	2.8	12.4	1.4	274.4	285.9	268.7	5.7
SMDH 00621	815116.37	8194058.46	164.05	0.0	1.0	40.0	3456.9	1.5	10.9	729.5	38.4	1060.6	71.8	206.9	131.7	214.1	231.8	1.3	8.8	0.6	448.3	471.1	436.9	11.4
SMDH 00621	815116.37	8194058.46	164.05	1.0	2.0	70.0	5984.6	3.2	14.2	1971.9	85.8	1164.9	84.5	243.3	154.9	251.8	272.6	2.8	10.0	1.0	672.2	726.7	649.0	23.2
SMDH 00621	815116.37	8194058.46	164.05	2.0	3.0	80.0	5477.7	3.0	13.3	1722.7	52.4	1190.1	83.5	240.4	153.1	248.8	269.5	2.6	9.4	0.9	714.7	745.7	698.7	16.0
SMDH 00621	815116.37	8194058.46	164.05	3.0	4.0	80.0	5901.7	3.8	14.0	1875.8	43.9	664.8	73.4	211.3	134.5	218.7	236.8	3.4	9.3	0.9	386.6	413.5	374.2	12.3
SMDH 00621	815116.37	8194058.46	164.05	4.0	5.0	80.0	7748.5	5.9	14.8	2877.8	16.6	415.4	59.7	172.0	109.5	178.0	192.8	5.5	8.1	0.8	110.2	119.7	105.7	4.6
SMDH 00621	815116.37	8194058.46	164.05	5.0	6.0	80.0	10860.3	9.0	15.8	4803.0	11.5	81.9	21.8	62.7	39.9	64.8	70.2	8.5	6.4	0.4	20.9	27.1	18.4	2.6
SMDH 00621	815116.37	8194058.46	164.05	6.0	7.0	80.0	9922.1	7.6	23.9	3058.2	19.9	129.2	50.6	145.9	92.9	151.0	163.5	7.2	15.4	0.9	45.1	56.6	39.3	5.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00621	815116.37	8194058.46	164.05	7.0	8.0	80.0	10209.7	7.5	27.6	2819.8	23.4	58.1	59.3	170.9	108.8	176.8	191.5	7.1	19.0	1.1	25.6	39.6	19.0	6.5
SMDH 00621	815116.37	8194058.46	164.05	8.0	9.0	80.0	10396.9	7.6	29.6	2642.3	25.0	63.9	65.9	189.7	120.7	196.3	212.6	7.2	20.8	1.2	53.9	69.4	46.7	7.2
SMDH 00621	815116.37	8194058.46	164.05	9.0	10.0	80.0	9211.6	6.4	25.9	2444.4	27.2	241.9	67.8	195.2	124.2	202.0	218.7	6.1	18.4	1.1	177.2	193.7	169.4	7.8
SMDH 00621	815116.37	8194058.46	164.05	10.0	11.0	80.0	5791.5	3.4	14.9	1795.6	55.8	502.9	76.2	219.4	139.7	227.1	245.9	3.1	10.4	1.1	431.2	466.3	415.3	15.9
SMDH 00621	815116.37	8194058.46	164.05	11.0	12.0	80.0	5252.2	2.9	14.5	1496.7	49.2	593.8	79.2	228.0	145.1	235.9	255.5	2.6	10.3	1.2	459.1	489.4	445.1	14.0
SMDH 00621	815116.37	8194058.46	164.05	12.0	13.0	80.0	5482.0	3.2	14.4	1632.4	38.3	640.6	70.6	203.4	129.5	210.6	228.0	2.9	9.9	1.3	356.6	380.2	345.7	10.9
SMDH 00621	815116.37	8194058.46	164.05	13.0	14.0	80.0	5834.2	3.4	16.2	1584.4	50.3	743.8	85.8	247.2	157.3	255.8	277.0	3.0	11.6	1.2	396.0	427.2	381.6	14.4
SMDH 00622	815389.92	8194050.15	164.24	0.0	1.0	40.0	4145.9	2.1	14.6	645.7	45.4	867.3	76.4	220.1	140.1	227.7	246.6	1.8	11.7	0.8	362.2	390.4	349.1	13.1
SMDH 00622	815389.92	8194050.15	164.24	1.0	2.0	60.0	7807.8	5.4	16.6	2825.1	34.0	563.7	63.5	182.8	116.3	189.1	204.8	4.9	10.3	1.0	235.1	255.8	225.9	9.2
SMDH 00622	815389.92	8194050.15	164.24	2.0	3.0	80.0	7789.8	6.0	19.6	2197.2	16.3	122.3	51.5	148.2	94.3	153.4	166.1	5.7	12.6	0.9	64.1	73.2	59.4	4.7
SMDH 00622	815389.92	8194050.15	164.24	3.0	4.0	80.0	5039.3	3.6	10.5	1810.5	13.4	88.5	25.0	71.9	45.8	74.4	80.5	3.4	5.7	1.2	72.8	80.7	69.5	3.4
SMDH 00622	815389.92	8194050.15	164.24	4.0	5.0	80.0	7590.9	6.1	13.8	2847.6	15.3	343.0	40.6	116.9	74.4	120.9	131.0	5.7	6.9	0.8	53.7	62.5	49.9	3.8
SMDH 00622	815389.92	8194050.15	164.24	5.0	6.0	80.0	6070.2	4.3	13.4	1974.3	14.1	563.3	67.2	193.5	123.2	200.3	216.9	4.0	8.0	1.1	94.9	103.0	91.4	3.5
SMDH 00622	815389.92	8194050.15	164.24	6.0	7.0	80.0	5154.7	3.7	10.7	1781.3	11.0	456.0	39.6	114.0	72.5	117.9	127.7	3.4	5.9	1.1	61.0	67.0	58.3	2.7
SMDH 00622	815389.92	8194050.15	164.24	7.0	8.0	80.0	3457.4	2.1	8.3	1126.9	9.6	201.2	32.5	93.5	59.5	96.8	104.8	2.0	5.0	1.2	84.5	89.9	82.1	2.4
SMDH 00622	815389.92	8194050.15	164.24	8.0	9.0	80.0	7219.5	4.7	23.8	977.5	17.3	1592.7	132.1	380.4	242.1	393.6	426.3	4.3	18.1	1.0	100.3	110.0	95.1	5.2
SMDH 00622	815389.92	8194050.15	164.24	9.0	10.0	80.0	5653.0	3.6	17.6	933.6	10.5	1215.0	112.2	323.3	205.8	334.5	362.3	3.2	12.7	1.3	80.2	86.2	77.3	2.9
SMDH 00622	815389.92	8194050.15	164.24	10.0	11.0	80.0	4515.3	2.7	13.8	932.4	8.4	642.5	74.1	213.4	135.8	220.8	239.1	2.4	9.6	1.5	82.3	86.5	79.9	2.4
SMDH 00623	815679.14	8194044.18	163.43	0.0	1.0	10.0	6293.5	3.6	22.8	827.3	70.6	655.4	136.7	393.7	250.6	407.4	441.2	3.3	17.6	1.5	351.6	396.2	331.4	20.2
SMDH 00623	815679.14	8194044.18	163.43	1.0	2.0	50.0	4632.4	2.4	14.7	827.2	59.8	1291.7	91.4	263.1	167.5	272.3	294.9	2.1	11.4	0.9	443.4	480.4	425.2	18.2
SMDH 00623	815679.14	8194044.18	163.43	2.0	3.0	80.0	5175.4	2.6	16.1	938.0	66.6	1655.4	105.6	304.2	193.7	314.8	340.9	2.2	12.4	1.1	535.1	576.9	516.0	19.1
SMDH 00623	815679.14	8194044.18	163.43	3.0	4.0	80.0	4281.4	2.0	13.0	877.1	57.8	1422.9	84.0	242.0	154.0	250.4	271.2	1.7	10.1	0.8	517.4	553.6	500.9	16.5
SMDH 00623	815679.14	8194044.18	163.43	4.0	5.0	80.0	4538.9	2.3	14.4	995.6	50.3	891.1	77.8	224.1	142.7	232.0	251.2	2.0	11.2	0.9	556.0	587.1	541.5	14.5
SMDH 00623	815679.14	8194044.18	163.43	5.0	6.0	80.0	5328.9	3.4	14.0	1484.2	28.6	557.6	70.3	202.6	128.9	209.6	227.0	3.1	9.4	1.2	229.8	247.2	221.8	8.0
SMDH 00623	815679.14	8194044.18	163.43	6.0	7.0	80.0	5760.8	3.6	14.8	1718.8	33.0	604.4	80.8	232.8	148.2	240.9	260.9	3.2	10.1	1.1	260.6	280.1	250.5	10.1
SMDH 00623	815679.14	8194044.18	163.43	7.0	8.0	80.0	5966.4	3.8	16.3	1576.6	20.7	597.7	89.3	257.1	163.7	266.1	288.1	3.5	11.4	1.2	186.9	198.5	180.6	6.3
SMDH 00623	815679.14	8194044.18	163.43	8.0	9.0	80.0	3528.5	2.0	7.9	1309.8	15.4	203.7	32.3	93.0	59.2	96.3	104.3	1.8	4.5	1.4	193.1	201.7	188.9	4.3
SMDH 00624	815941.35	8194044.78	165.04	0.0	1.0	20.0	5592.9	3.2	19.5	794.7	67.9	869.9	116.6	335.8	213.7	347.5	376.3	2.9	15.1	1.2	358.9	401.5	338.1	20.8
SMDH 00624	815941.35	8194044.78	165.04	1.0	2.0	40.0	5618.2	3.1	18.9	873.2	72.1	1182.2	114.7	330.2	210.2	341.8	370.1	2.7	14.5	1.2	424.4	469.5	402.4	22.0
SMDH 00624	815941.35	8194044.78	165.04	2.0	3.0	80.0	4003.9	2.0	12.3	795.7	56.3	1148.6	79.2	228.2	145.2	236.1	255.7	1.7	9.5	0.7	434.9	469.5	417.9	17.0
SMDH 00624	815941.35	8194044.78	165.04	3.0	4.0	80.0	2945.0	1.6	10.7	386.8	33.7	505.0	51.5	148.2	94.3	153.4	166.1	1.4	8.5	0.6	190.9	211.8	180.7	10.2
SMDH 00624	815941.35	8194044.78	165.04	4.0	5.0	80.0	3148.3	1.8	12.2	351.0	22.3	256.7	50.7	146.1	93.0	151.2	163.7	1.7	9.7	0.7	167.2	180.1	159.8	7.3
SMDH 00624	815941.35	8194044.78	165.04	5.0	6.0	80.0	5753.5	3.3	18.1	1270.0	52.4	729.8	92.9	267.5	170.3	276.8	299.7	2.9	14.0	0.9	502.2	534.2	486.5	15.7
SMDH 00624	815941.35	8194044.78	165.04	6.0	7.0	80.0	5739.4	3.5	18.0	1169.7	38.4	686.0	95.9	276.3	175.9	285.9	309.6	3.2	13.4	1.1	298.9	322.7	287.7	11.2
SMDH 00624	815941.35	8194044.78	165.04	7.0	8.0	80.0	5494.4	3.3	15.4	1475.4	29.4	578.9	75.5	217.5	138.5	225.1	243.8	3.0	10.9	1.2	295.4	312.8	286.5	8.9
SMDH 00634	816372.61	8194334.40	166.40	0.0	1.0	20.0	5433.1	3.0	17.9	871.8	65.2	1217.6	108.1	311.4	198.2	322.3	349.0	2.6	13.8	1.1	370.9	411.1	350.9	20.0
SMDH 00634	816372.61	8194334.40	166.40	1.0	2.0	60.0	4582.5	2.5	15.1	734.3	57.5	1114.7	97.4	280.6	178.6	290.4	314.5	2.2	11.7	0.9	371.6	407.5	354.7	16.9
SMDH 00634	816372.61	8194334.40	166.40	2.0	3.0	80.0	6384.0	3.7	16.9	1800.6	63.4	1075.8	94.8	273.0	173.8	282.5	305.9	3.3	12.2	1.0	391.5	431.4	373.0	18.6
SMDH 00634	816372.61	8194334.40	166.40	3.0	4.0	80.0	4857.5	2.8	14.5	1073.6	54.1	873.4	79.3	228.3	145.3	236.2	255.8	2.5	10.9	0.9	321.0	355.5	305.8	15.3
SMDH 00634	816372.61	8194334.40	166.40	4.0	5.0	80.0	3733.0	2.0	11.8	692.8	31.1	857.9	62.5	180.0	114.6	186.3	201.7	1.8	8.9	0.9	268.9	288.0	259.9	9.0
SMDH 00634	816372.61	8194334.40	166.40	5.0	6.0	80.0	4312.4	2.6	13.9	764.8	9.6	665.9	83.7	241.0	153.4	249.5	270.1	2.3	10.2	1.2	145.7	151.0	143.1	2.5
SMDH 00634	816372.61	8194334.40	166.40	6.0	7.0	80.0	4372.2	2.7	12.0	1062.7	7.7	761.4	66.4	191.2	121.7	197.9	214.3	2.5	8.2	1.0	54.2	58.3	52.3	2.0
SMDH 00634	816372.61	8194334.40	166.40	7.0	8.0	80.0	5190.5	3.2	12.9	1574.9	12.0	614.7	73.1	210.6	134.1	218.0	236.0	2.9	8.4	1.2	156.3	163.0	153.0	3.3
SMDH 00634	816372.61	8194334.40	166.40	8.0	9.0	80.0	4666.0	2.8	14.1	992.7	8.7	610.0	89.6	258.1	164.3	267.1	289.2	2.5	10.0	1.3	99.9	104.7	97.6	2.3
SMDH 00634	816372.61	8194334.40	166.40	9.0	10.0	80.0	5439.4	3.3	15.2	1452.5	43.9	522.8	68.6	197.5	125.7	204.4	221.4	3.0	10.9	1.0	237.3	265.0	224.6	12.7
SMDH 00634	816372.61	8194334.40	166.40	10.0	11.0	80.0	4316.3	2.5	13.3	909.2	26.9	560.7	73.7	212.3	135.1	219.7	237.9	2.3	9.6	1.3	197.2	213.7	189.5	7.7
SMDH 00634	816372.61	8194334.40	166.40	11.0	12.0	80.0	4652.7	2.6	14.9	922.2	53.2	666.7	83.6	240.7	153.2	249.1	269.8	2.3	11.2	1.2	406.4	439.4	390.8	15.5
SMDH 00634	816372.61	8194334.40	166.40	12.0	13.0	80.0	4882.7	2.8	15.3	1009.8	69.1	667.0	78.8	227.0	144.5	234.9	254.4	2.5	11.4	1.2	373.7	416.2	352.6	21.2
SMDH 00634	816372.61	8194334.40	166.40	13.0	14.0	80.0	4794.2	2.8	15.9	841.4	56.5	605.5	82.0	236.3	150.4	244.5	264.8	2.5	11.9	1.1	302.9	338.4	286.3	16.6
SMDH 00634	816372.61	8194334.40	166.40	14.0	15.0	80.0	4851.6	2.8	16.3	801.7	59.4	632.5	89.3	257.1	163.6	266.0	288.1	2.6	12.3	1.2	298.9	336.2	281.6	17.3
SMDH 00634	816372.61	8194334.40	166.40	15.0	16.0	80.0	4446.3	2.4	14.9	792.1	53.3	590.3	81.0	233.4	148.5	241.5	261.5	2.2	11.3	1.2	361.9	395.0	346.3	15.6
SMDH 00634	816372.61	8194334.40	166.40	16.0	17.0	80.0	4780.0	2.7	16.1	781.7	39.9	760.5	88.2	254.0	161.7	262.9	284.6	2.4	12.2	1.2	281.8	306.2	270.1	11.8
SMDH 00634	816372.61	8194334.40	166.40	17.0	18.0	80.0	6053.2	3.4	19.9	1079.0	28.8	1138.5	106.8	307.6	195.8	318.3	344.7	3.1	15.2	1.3	370.8	387.5	362.0	8.8
SMDH 00625	816231.98	8194054.74	165.10	0.0	1.0	20.0	6121.9	3.5	20.9	981.7	67.0	831.3	127.2	366.2	233.1	379.0	410.4	3.1	16.1	1.4	368.8	411.0	349.1	19.7
SMDH 00625	816231.98	8194054.74	165.10	1.0	2.0	60.0	5404.4	3.0	18.2	798.1	61.4	1246.8	111.1	320.0	203.7	331.2	358.6	2.6	14.1	1.1	373.9	412.2	355.9	18.0
SMDH 00625	816231.98	8194054.74	165.10	2.0	3.0	80.0	4773.0	2.6	16.0	694.0	65.2	1227.6	95.6	275.4	175.3	285.1	308.7	2.2	12.5	1.0	389.3	430.8	370.6	18.7
SMDH 00625	816231.98	8194054.74	165.10	3.0	4.0	80.0	4902.0	2.5	14.3	1217.2	68.0	1018.3	83.8	241.5	153.7	249.9	270.6	2.2	10.9	0.9	621.8	664.3	602.1	19.8
SMDH 00625	816231.98	8194054.74	165.10	4.0	5.0	80.0	3792.6	2.1	12.3	844.3	44.6	281.3	56.2	161.8	103.0	167.4	181.3	1.9	9.4	0.8	396.1	423.7	383.3	12.8
SMDH 00625	816231.98	8194054.74	165.10	5.0	6.0	80.0	4326.3	2.4	15.4	591.3	43.3	642.1	82.5	237.7	151.3	246.0	266.4	2.2	11.9	1.1	297.0	323.3	283.5	13.5
SMDH 00625	816231.98	8194054.74	165.10	6.0	7.0	80.0	4466.1	2.5	16.5	550.1	42.5	546.9	88.3	254.4	161.9	263.3	285.1	2.3	12.9	1.2	240.5	266.6	227.7	12.9
SMDH 00625	816231.98	8194054.74	165.10	7.0	8.0	80.0	5266.8	2.9	18.3	770.3	48.2	858.0	108.2	311.6	198.4	322.5	349.2	2.6	14.0	1.3	276.5	306.3	262.2	14.3
SMDH 00625	816231.98	8194054.74	165.10	8.0	9.0	80.0	6462.7	3.6	16.8	1760.9	66.9	1574.1	112.4	323.7	206.1	335.0	362.8	3.1	12.0	1.2	517.4	558.2	497.0	20.4
SMDH 00625	816231.98	8194054.74	165.10	9.0	10.0	80.0	6695.0	4.1	17.0	2025.7	45.6	789.7	89.1	256.7	163.4	265.7	287.7	3.7	11.8	1.1	350.3	378.1	336.8	13.5
SMDH 00625	816231.98	8194054.74	165.10	10.0	11.0	80.0	5040.2	2.9	14.6	1224.1	56.8	645.2	78.2	225.3	143.4	233.2	252.5	2.6	10.5	1.2	351.0	386.3	334.6	16.5
SMDH 00625	816231.98	8194054.74	165.10	11.0	12.0	80.0	4338.2	2.4	13.7	833.5	53.4	675.4	71.4	205.7	130.9	212.9	230.5	2.2	10.0	1.2	321.2	354.1	305.2	16.0
SMDH 00625	816231.98	8194054.74	165.10	12.0	13.0	80.0	4797.5	2.7	14.5	1084.4	42.6	637.4	75.2	216.6	137.9	224.2	242.8	2.5	10.5	1.3	345.8	371.2	332.8	13.0
SMDH 00625	816231.98	8194054.74	165.10	13.0	14.0	80.0	5116.5	2.9	15.9	1111.5	51.7	636.3	82.0	236.1	150.3	244.3	264.6	2.6	11.8	1.2	398.5	429.8	383.3	15.1
SMDH 00625	816231.98	8194054.74	165.10	14.0	15.0	80.0	5122.6	3.0	16.2	1011.7	59.9	698.8	83.9	241.7	153.8	250.1	270.9	2.7	12.0	1.3	376.9	413.5	359.2	17.7
SMDH 00625	816231.98	8194054.74	165.10	15.0	16.0	80.0	5978.8	3.4	18.3	1370.8	48.9	760.7	99.3	286.0	182.0	295.9	320.5	3.0	13.7	1.3	503.0	532.5	488.9	14.1
SMDH 00625	816231.98	8194054.74	165.10	16.0	17.0	80.0	5564.7	3.2	17.5	1172.7	51.9	757.6	93.7	269.8	171.8	279.2	302.4	2.9	13.1	1.2	459.5	490.6	443.8	15.8
SMDH 00632	815814.06	8194341.30	165.52	0.0	1.0	30.0	6490.4	3.9	24.6	690.5	68.0	434.7	136.7	393.8	250.7	407.6	441.4	3.6	19.1	1.6	278.0	321.4	258.3	19.7
SMDH 00632	815814.06	8194341.30	165.52	1.0	2.0	70.0	4066.0	2.3	14.6	568.0	38.9	483.6	71.8	206.9	131.7	214.2	231.9	2.1	11.4	0.9	229.2	253.6	217.6	11.5
SMDH 00632	815814.06	8194341.30	165.52	2.0	3.0	80.0	2939.3	1.6	10.5	451.6	30.2	404.3	53.8	154.9	98.6	160.3	173.6	1.5	8.3	0.6	247.6	265.8	238.1	9.5
SMDH 00632	815814.06	8194341.30	165.52	3.0	4.0	80.0	3480.9	1.8	12.2	516.4	42.8	651.8	68.6	197.5	125.7	204.4	221.4	1.6	9.5	0.8	299.0	326.0	286.8	12.2
SMDH 00632	815814.06	8194341.30	165.52	4.0	5.0	80.0	3194.1	1.8	11.6	403.4	33.9	540.7	54.4	156.7	99.7	162.2	175.6	1.6	9.0	0.8	227.1	248.0	216.7	10.4
SMDH 00632	815814.06	8194341.30	165.52	5.0	6.0	80.0	5358.8	2.8	17.3	882.3	75.1	1495.5	107.4	309.3	196.9	320.0	346.6	2.4	13.3	1.1	490.9	538.3	468.8	22.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00632	815814.06	8194341.30	165.52	6.0	7.0	80.0	5265.6	2.6	14.8	1206.1	84.4	1760.6	109.1	314.1	199.9	325.1	352.0	2.1	11.2	1.0	699.6	752.5	675.0	24.6
SMDH 00632	815814.06	8194341.30	165.52	7.0	8.0	80.0	4250.7	2.3	13.0	917.0	28.9	762.3	81.5	234.8	149.4	243.0	263.1	2.1	9.6	1.1	324.3	341.7	315.9	8.4
SMDH 00632	815814.06	8194341.30	165.52	8.0	9.0	80.0	6651.5	4.1	13.2	2696.5	28.0	556.6	63.9	184.1	117.2	190.5	206.3	3.7	8.2	0.9	274.9	291.5	266.5	8.4
SMDH 00632	815814.06	8194341.30	165.52	9.0	10.0	50.0	5639.2	3.4	14.0	1825.4	34.9	541.7	70.7	203.7	129.7	210.8	228.3	3.0	9.5	1.1	257.1	278.5	246.8	10.3
SMDH 00632	815814.06	8194341.30	165.52	10.0	11.0	80.0	4780.7	2.6	16.0	894.0	26.6	606.1	80.4	231.7	147.5	239.8	259.7	2.4	12.2	1.3	275.7	291.9	267.8	7.9
SMDH 00632	815814.06	8194341.30	165.52	11.0	12.0	80.0	4748.1	2.5	16.8	763.4	34.6	625.9	84.6	243.5	155.0	252.0	272.9	2.3	13.0	1.3	305.0	326.8	295.3	9.6
SMDH 00632	815814.06	8194341.30	165.52	12.0	13.0	80.0	4555.2	2.5	15.0	957.2	20.4	443.7	77.5	223.2	142.1	231.0	250.1	2.3	11.3	1.1	229.4	241.8	223.6	5.8
SMDH 00632	815814.06	8194341.30	165.52	13.0	14.0	80.0	3487.8	1.7	12.9	433.1	24.3	762.5	77.4	222.9	141.9	230.7	249.8	1.5	10.2	1.0	263.1	278.1	256.1	7.0
SMDH 00632	815814.06	8194341.30	165.52	14.0	15.0	80.0	4096.1	2.0	14.8	553.6	33.8	823.8	94.8	273.1	173.8	282.6	306.0	1.8	11.6	1.2	339.6	360.4	329.9	9.7
SMDH 00632	815814.06	8194341.30	165.52	15.0	16.0	80.0	3138.1	1.6	10.8	479.0	16.4	721.4	70.2	202.1	128.6	209.1	226.5	1.4	8.3	0.9	244.0	253.6	239.3	4.7
SMDH 00632	815814.06	8194341.30	165.52	16.0	17.0	80.0	3888.6	1.9	12.8	704.5	45.6	885.2	76.0	218.9	139.4	226.6	245.4	1.7	9.8	1.0	304.3	332.3	290.6	13.6
SMDH 00631	815530.44	8194340.97	166.45	0.0	1.0	20.0	4669.2	2.3	16.8	686.5	48.3	1085.3	71.1	204.7	130.3	211.9	229.5	2.0	13.5	0.9	420.2	449.3	405.1	15.1
SMDH 00631	815530.44	8194340.97	166.45	1.0	2.0	40.0	4357.7	2.1	14.9	783.5	59.9	712.5	86.7	249.6	158.9	258.3	279.7	1.9	11.5	1.2	429.4	466.8	411.5	17.9
SMDH 00631	815530.44	8194340.97	166.45	2.0	3.0	70.0	4287.1	2.2	14.0	815.7	60.7	773.1	75.1	216.3	137.7	223.8	242.4	1.9	10.6	1.2	402.8	441.7	386.0	16.8
SMDH 00631	815530.44	8194340.97	166.45	3.0	4.0	80.0	6473.7	4.0	14.6	2316.8	65.5	527.4	69.7	200.8	127.8	207.8	225.0	3.6	9.6	1.1	418.1	460.5	400.2	17.9
SMDH 00631	815530.44	8194340.97	166.45	4.0	5.0	80.0	5143.1	3.0	13.8	1440.6	72.1	649.8	70.6	203.2	129.4	210.3	227.7	2.7	9.7	1.1	417.5	465.0	398.7	18.8
SMDH 00631	815530.44	8194340.97	166.45	5.0	6.0	80.0	5718.5	3.6	13.7	1853.9	64.7	485.0	65.4	188.3	119.9	194.9	211.0	3.3	9.0	1.1	336.4	378.4	318.6	17.8
SMDH 00631	815530.44	8194340.97	166.45	6.0	7.0	80.0	4935.0	2.9	13.7	1313.4	56.9	537.5	70.0	201.6	128.3	208.7	225.9	2.6	9.6	1.1	379.3	415.5	363.3	16.0
SMDH 00631	815530.44	8194340.97	166.45	7.0	8.0	80.0	4940.0	2.9	13.5	1347.4	57.0	615.8	68.8	198.1	126.1	205.0	222.0	2.6	9.5	1.1	354.0	390.2	337.5	16.4
SMDH 00631	815530.44	8194340.97	166.45	8.0	8.5	80.0	5523.4	3.2	15.8	1444.8	64.3	597.1	85.1	245.2	156.1	253.7	274.8	2.9	11.4	1.2	449.6	490.6	431.4	18.2
SMDH 00631	815530.44	8194340.97	166.45	8.5	9.0	80.0	5523.4	3.2	15.8	1444.8	64.3	597.1	85.1	245.2	156.1	253.7	274.8	2.9	11.4	1.2	449.6	490.6	431.4	18.2
SMDH 00630	815251.01	8194341.93	165.94	0.0	1.0	50.0	6287.1	3.4	25.7	567.6	33.5	1096.4	49.2	141.7	90.2	146.6	158.8	3.2	22.0	0.4	349.3	369.1	339.2	10.1
SMDH 00630	815251.01	8194341.93	165.94	1.0	2.0	80.0	4022.9	1.8	12.5	905.0	67.5	798.9	80.8	232.8	148.2	240.9	260.9	1.6	9.5	1.2	534.1	574.6	512.3	21.8
SMDH 00630	815251.01	8194341.93	165.94	2.0	3.0	80.0	6758.1	4.4	15.6	2168.0	79.6	832.2	83.7	241.2	153.5	249.6	270.3	4.0	10.3	1.0	456.9	509.9	436.9	20.0
SMDH 00630	815251.01	8194341.93	165.94	3.0	4.0	80.0	5013.9	2.6	12.4	1450.4	65.8	1467.6	80.6	232.2	147.8	240.3	260.3	2.2	8.8	0.9	614.0	654.7	594.8	19.2
SMDH 00630	815251.01	8194341.93	165.94	4.0	5.0	80.0	5097.6	2.9	13.2	1524.7	55.7	844.7	70.4	202.7	129.1	209.8	227.2	2.5	9.5	0.9	579.6	614.0	563.5	16.0
SMDH 00630	815251.01	8194341.93	165.94	5.0	6.0	80.0	5829.8	3.7	13.5	1918.3	48.7	585.6	69.1	198.9	126.6	205.8	222.9	3.4	8.8	1.0	311.6	341.7	297.4	14.2
SMDH 00630	815251.01	8194341.93	165.94	6.0	7.0	80.0	5119.7	3.1	13.0	1578.2	45.3	508.3	67.0	193.0	122.9	199.8	216.3	2.8	8.8	1.1	331.4	359.7	318.4	13.0
SMDH 00630	815251.01	8194341.93	165.94	7.0	8.0	80.0	8628.0	5.8	14.1	3969.1	37.6	397.9	48.7	140.4	89.4	145.3	157.3	5.3	7.5	0.8	216.0	240.2	206.0	10.0
SMDH 00630	815251.01	8194341.93	165.94	8.0	9.0	80.0	6453.5	3.8	16.5	2038.6	61.3	547.5	76.0	218.9	139.3	226.5	245.3	3.5	11.5	1.1	354.1	392.9	336.8	17.3
SMDH 00630	815251.01	8194341.93	165.94	9.0	10.0	80.0	4076.0	2.2	12.6	948.9	46.1	439.0	62.6	180.3	114.8	186.6	202.1	2.0	9.2	1.2	324.7	353.4	311.3	13.3
SMDH 00630	815251.01	8194341.93	165.94	10.0	11.0	80.0	3717.5	1.9	12.3	703.2	45.0	528.2	60.6	174.6	111.1	180.7	195.7	1.7	9.2	1.2	318.6	347.0	306.0	12.6
SMDH 00630	815251.01	8194341.93	165.94	11.0	12.0	80.0	4228.4	2.2	13.9	844.5	55.7	595.5	80.2	230.9	147.0	238.9	258.7	1.9	10.5	1.2	438.9	473.6	422.7	16.2
SMDH 00630	815251.01	8194341.93	165.94	12.0	12.8	80.0	4579.4	2.4	14.4	992.4	57.3	671.7	77.2	222.5	141.6	230.2	249.3	2.2	10.7	1.2	401.4	437.9	385.3	16.1
SMDH 00630	815251.01	8194341.93	165.94	12.8	13.0	80.0	4579.4	2.4	14.4	992.4	57.3	671.7	77.2	222.5	141.6	230.2	249.3	2.2	10.7	1.2	401.4	437.9	385.3	16.1
SMDH 00629	814978.10	8194344.64	164.31	0.0	1.0	20.0	3825.3	1.8	13.8	575.5	31.0	882.0	72.2	208.0	132.4	215.3	233.1	1.6	11.2	0.8	347.7	366.1	338.1	9.6
SMDH 00629	814978.10	8194344.64	164.31	1.0	2.0	50.0	5981.3	3.7	15.1	1796.6	65.8	650.7	74.7	215.0	136.9	222.5	241.0	3.3	10.2	1.2	384.4	425.9	365.6	18.8
SMDH 00629	814978.10	8194344.64	164.31	2.0	3.0	80.0	6465.7	4.4	15.8	1977.4	54.2	444.1	70.2	202.3	128.8	209.3	226.7	4.0	10.4	1.1	259.2	294.0	244.4	14.8
SMDH 00629	814978.10	8194344.64	164.31	3.0	4.0	80.0	4889.6	2.8	14.8	1076.7	56.5	693.4	70.2	202.1	128.6	209.1	226.5	2.6	11.0	1.0	354.9	390.4	338.6	16.3
SMDH 00629	814978.10	8194344.64	164.31	4.0	5.0	80.0	5704.1	3.7	14.5	1654.2	52.7	579.9	66.6	191.7	122.1	198.4	214.9	3.4	9.8	1.0	257.9	291.3	242.8	15.1
SMDH 00629	814978.10	8194344.64	164.31	5.0	6.0	80.0	6695.1	4.3	14.8	2426.2	54.5	479.6	67.1	193.3	123.1	200.1	216.7	3.9	9.5	1.0	335.4	370.6	320.4	14.9
SMDH 00629	814978.10	8194344.64	164.31	6.0	7.0	80.0	5385.3	3.2	14.8	1464.5	61.7	579.0	73.3	211.0	134.3	218.4	236.5	2.9	10.6	1.1	312.9	352.3	295.4	17.5
SMDH 00629	814978.10	8194344.64	164.31	7.0	8.0	80.0	5396.3	3.2	15.8	1331.9	32.1	618.2	86.2	248.4	158.1	257.0	278.3	2.9	11.5	1.1	306.8	326.3	297.4	9.4
SMDH 00629	814978.10	8194344.64	164.31	8.0	9.0	80.0	6724.5	4.2	13.9	2670.2	29.2	464.7	63.9	184.1	117.2	190.5	206.3	3.8	8.7	0.9	228.4	246.8	220.3	8.1
SMDH 00629	814978.10	8194344.64	164.31	9.0	10.0	80.0	5404.7	3.1	15.7	1395.3	48.9	540.2	81.1	233.6	148.7	241.7	261.8	2.8	11.4	1.2	368.5	399.0	354.3	14.2
SMDH 00629	814978.10	8194344.64	164.31	10.0	11.0	80.0	5318.1	3.1	17.1	1073.6	54.7	568.1	81.0	233.2	148.5	241.4	261.4	2.8	12.8	1.2	284.4	318.8	268.5	15.9
SMDH 00629	814978.10	8194344.64	164.31	11.0	12.0	80.0	5210.6	2.9	16.8	1049.7	54.8	619.3	85.6	246.4	156.9	255.0	276.2	2.7	12.5	1.3	351.5	386.1	336.0	15.6
SMDH 00629	814978.10	8194344.64	164.31	12.0	13.0	80.0	5462.7	3.1	18.0	993.9	69.6	732.0	95.8	276.0	175.7	285.7	309.3	2.8	13.6	1.3	330.9	375.2	311.1	19.8
SMDH 00629	814978.10	8194344.64	164.31	13.0	13.5	50.0	5571.9	3.2	18.6	991.2	86.5	612.0	94.2	271.4	172.8	280.9	304.2	2.9	14.2	1.3	329.8	385.1	304.8	24.9
SMDH 00628	814689.47	8194345.15	167.13	0.0	1.0	20.0	6264.2	3.3	25.5	544.3	41.3	870.9	122.6	353.2	224.8	365.5	395.8	3.0	21.0	1.2	325.1	350.0	312.0	13.0
SMDH 00628	814689.47	8194345.15	167.13	1.0	2.0	50.0	6372.8	3.4	25.5	564.8	79.8	663.1	147.9	425.9	271.1	440.8	477.3	3.1	20.5	1.6	323.9	376.2	302.3	21.5
SMDH 00628	814689.47	8194345.15	167.13	2.0	3.0	80.0	9140.9	6.0	28.6	1944.7	53.9	389.6	155.6	448.2	285.3	463.9	502.3	5.6	21.3	1.2	143.0	177.9	127.6	15.4
SMDH 00628	814689.47	8194345.15	167.13	3.0	4.0	80.0	11438.0	8.0	30.8	3230.0	53.8	231.7	167.0	480.9	306.1	497.7	538.9	7.4	22.0	0.9	116.9	152.3	101.9	15.0
SMDH 00628	814689.47	8194345.15	167.13	4.0	5.0	80.0	8736.9	5.7	28.8	1701.9	43.3	277.0	166.7	480.2	305.7	497.0	538.1	5.3	22.0	1.1	163.3	190.5	150.4	12.9
SMDH 00628	814689.47	8194345.15	167.13	5.0	6.0	80.0	5001.7	2.8	15.1	1242.8	19.8	478.7	86.3	248.4	158.1	257.1	278.4	2.5	11.1	1.3	367.3	378.5	361.4	5.9
SMDH 00628	814689.47	8194345.15	167.13	6.0	7.0	80.0	5097.2	2.9	14.7	1339.3	27.3	480.9	72.8	209.5	133.4	216.9	234.8	2.7	10.5	1.3	285.5	301.8	277.7	7.8
SMDH 00628	814689.47	8194345.15	167.13	7.0	8.0	80.0	6801.5	4.3	16.5	2273.8	33.9	473.4	68.1	196.0	124.8	202.8	219.7	3.9	11.1	1.1	240.5	261.3	230.9	9.6
SMDH 00628	814689.47	8194345.15	167.13	8.0	9.0	80.0	6556.5	4.1	16.2	2129.1	42.0	474.9	68.2	196.3	125.0	203.1	220.0	3.7	11.0	1.1	276.4	302.5	264.8	11.6
SMDH 00628	814689.47	8194345.15	167.13	9.0	10.0	80.0	6247.8	3.8	17.3	1733.3	48.1	492.5	73.9	212.8	135.4	220.2	238.5	3.5	12.3	1.2	300.5	330.0	286.2	14.2
SMDH 00628	814689.47	8194345.15	167.13	10.0	11.0	80.0	6538.0	4.0	16.4	2111.6	45.0	522.9	73.4	211.4	134.6	218.8	236.9	3.6	11.3	1.2	329.5	357.5	317.1	12.4
SMDH 00628	814689.47	8194345.15	167.13	11.0	12.0	80.0	8382.1	5.6	25.3	1928.3	45.2	363.3	117.3	338.0	215.1	349.8	378.8	5.2	18.5	1.2	206.7	235.1	193.5	13.2
SMDH 00637	814839.60	8194624.33	165.60	0.0	1.0	50.0	5961.1	3.1	23.2	639.1	43.8	1002.3	109.5	315.3	200.7	326.3	353.3	2.8	18.8	1.2	313.3	340.1	300.0	13.2
SMDH 00637	814839.60	8194624.33	165.60	1.0	2.0	70.0	8883.2	5.7	20.2	3318.5	40.8	192.8	84.5	243.3	154.9	251.8	272.6	5.2	13.2	1.3	180.1	206.9	169.0	11.2
SMDH 00637	814839.60	8194624.33	165.60	2.0	3.0	80.0	12162.5	8.8	20.2	5481.5	25.4	91.4	63.2	182.1	115.9	188.4	204.0	8.2	10.8	0.6	55.0	71.3	48.3	6.7
SMDH 00637	814839.60	8194624.33	165.60	3.0	4.0	80.0	11363.1	8.6	19.4	4857.7	22.6	108.2	60.8	175.1	111.5	181.2	196.3	8.1	10.2	0.6	52.6	66.4	46.2	6.4
SMDH 00637	814839.60	8194624.33	165.60	4.0	5.0	80.0	11612.2	8.4	31.3	3234.7	40.6	138.0	121.9	351.0	223.5	363.3	393.4	7.9	22.0	0.9	72.2	98.1	60.4	11.8
SMDH 00637	814839.60	8194624.33	165.60	5.0	6.0	80.0	10048.8	7.6	30.7	1977.2	42.4	147.6	153.4	441.8	281.2	457.3	495.1	7.2	22.0	1.0	74.9	101.9	62.5	12.4
SMDH 00637	814839.60	8194624.33	165.60	6.0	7.0	80.0	11204.7	7.9	27.7	3551.4	34.9	305.3	114.7	330.5	210.4	342.0	370.4	7.4	18.9	0.9	87.7	109.7	77.6	10.1
SMDH 00637	814839.60	8194624.33	165.60	7.0	8.0	80.0	10998.1	7.8	30.9	2852.4	41.4	173.7	136.8	394.1	250.9	407.9	441.7	7.4	22.0	1.0	85.7	112.4	74.2	11.5
SMDH 00637	814839.60	8194624.33	165.60	8.0	9.0	80.0	11165.3	8.5	31.5	2586.5	49.0	162.3	166.7	480.1	305.6	496.9	538.1	8.1	22.0	1.0	84.9	116.6	70.8	14.2
SMDH 00637	814839.60	8194624.33	165.60	9.0	10.0	80.0	5394.3	3.4	14.4	1516.2	14.2	305.5	71.2	205.0	130.5	212.1	229.7	3.2	9.4	1.6	81.5	89.5	77.4	4.1
SMDH 00637	814839.60	8194624.33	165.60	10.0	11.0	80.0	11533.5	8.2	31.1	3255.6	36.5	172.4	132.0	380.3	242.1	393.6	426.2	7.7	22.0	0.9	74.6	97.9	64.1	10.5
SMDH 00638	815117.94	8194614.81	165.19	0.0	1.0	20.0	3626.8	1.8	12.5	553.5	38.2	982.7	68.5	197.4	125.7	204.3	221.2	1.6	9.9	0.7	296.4	319.9	284.9	11.6
SMDH 00638	815117.94	8194614.81	165.19	1.0	2.0	80.0	4264.5	2.2	12.3	984.3	62.2	1172.5	75.8	218.4	139.0	226.0	244.8	1.9	9.4	0.7	524.1	562.9	505.8	18.3
SMDH 00638	815117.94	8194614.81	165.19	2.0	3.0	80.0	6129.6	3.6	17.3	1439.3	52.3	1307.4	109.9	316.5	201.5	327.6	354.7	3.2	12.7	0.9	411.5	443.6	395.6	15.9
SMDH 00638	815117.94	8194614.81	165.19	3.0	4.0	80.0	8795.1	6.0	23.7	2384.1	34.5	576.4	153.4	441.9	281.3	457.4	495.3	5.5	16.8	1.0	204.3	225.3	193.9	10.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00638	815117.94	8194614.81	165.19	4.0	5.0	80.0	7257.6	4.8	14.9	2794.9	25.1	410.0	78.1	224.8	143.1	232.7	252.0	4.4	9.2	0.9	209.6	224.8	202.4	7.2
SMDH 00638	815117.94	8194614.81	165.19	5.0	6.0	80.0	7400.3	4.7	14.2	3081.5	39.2	462.6	71.7	206.5	131.4	213.7	231.4	4.2	8.4	1.1	387.0	410.7	375.1	11.9
SMDH 00638	815117.94	8194614.81	165.19	6.0	7.0	80.0	5014.0	3.1	12.0	1662.4	16.6	526.9	57.0	164.2	104.5	169.9	184.0	2.8	7.9	1.0	206.8	216.3	201.9	4.9
SMDH 00638	815117.94	8194614.81	165.19	7.0	8.0	80.0	7632.3	5.2	11.2	3664.3	8.7	423.1	37.9	109.3	69.6	113.1	122.5	4.8	5.2	0.8	84.2	89.3	81.9	2.3
SMDH 00638	815117.94	8194614.81	165.19	8.0	9.0	80.0	3827.1	2.4	8.8	1165.0	15.2	825.3	38.0	109.6	69.8	113.4	122.8	2.2	5.7	0.7	55.8	64.9	51.3	4.5
SMDH 00638	815117.94	8194614.81	165.19	9.0	10.0	80.0	10486.2	7.6	30.7	2498.8	37.4	167.4	81.4	234.4	149.2	242.6	262.7	7.3	22.0	1.0	47.1	71.3	36.9	10.2
SMDH 00638	815117.94	8194614.81	165.19	10.0	11.0	80.0	6161.9	4.0	18.9	1303.5	49.1	485.2	72.9	209.9	133.6	217.2	235.2	3.8	13.9	1.0	179.8	210.5	165.1	14.6
SMDH 00638	815117.94	8194614.81	165.19	11.0	12.0	80.0	4564.8	2.8	13.1	1076.3	56.1	592.6	63.7	183.4	116.8	189.8	205.5	2.5	9.3	1.0	230.6	266.9	214.9	15.7
SMDH 00638	815117.94	8194614.81	165.19	12.0	13.0	80.0	7057.9	4.6	20.6	1749.7	29.9	352.6	83.6	240.8	153.3	249.2	269.9	4.3	14.7	1.3	175.4	194.1	166.7	8.7
SMDH 00638	815117.94	8194614.81	165.19	13.0	14.0	80.0	9691.4	6.9	28.3	2374.7	28.6	164.5	70.3	202.6	128.9	209.6	227.0	6.5	20.2	1.1	81.0	99.1	73.1	7.9
SMDH 00638	815117.94	8194614.81	165.19	14.0	15.0	80.0	9224.6	6.7	28.5	1956.6	26.1	108.6	77.8	224.0	142.6	231.8	251.0	6.4	20.6	1.2	72.3	89.0	65.0	7.3
SMDH 00639	815398.24	8194605.35	169.00	0.0	1.0	40.0	5975.5	3.0	21.4	904.2	63.2	1179.5	94.3	271.5	172.8	281.0	304.3	2.7	17.2	1.2	472.6	513.2	455.0	17.6
SMDH 00639	815398.24	8194605.35	169.00	1.0	2.0	80.0	8782.4	6.2	19.6	2954.4	35.6	750.1	69.3	199.5	127.0	206.5	223.6	5.7	12.6	0.8	211.6	234.0	202.2	9.5
SMDH 00639	815398.24	8194605.35	169.00	2.0	3.0	80.0	9858.1	7.4	19.1	3757.8	21.8	422.1	54.4	156.8	99.8	162.2	175.7	6.9	10.9	0.8	143.3	155.9	137.4	5.9
SMDH 00639	815398.24	8194605.35	169.00	3.0	4.0	80.0	10094.6	7.5	22.2	3330.1	17.2	685.8	101.4	292.1	185.9	302.3	327.4	7.0	13.9	0.8	83.3	93.1	79.0	4.3
SMDH 00639	815398.24	8194605.35	169.00	4.0	5.0	80.0	10957.7	8.8	18.9	4430.8	13.9	157.1	42.3	121.9	77.6	126.2	136.7	8.3	9.5	0.6	33.5	41.2	29.9	3.6
SMDH 00639	815398.24	8194605.35	169.00	5.0	6.0	80.0	10391.8	8.0	22.7	3579.9	20.0	115.7	59.8	172.2	109.6	178.3	193.0	7.5	13.9	0.8	43.0	55.2	38.0	5.0
SMDH 00639	815398.24	8194605.35	169.00	6.0	7.0	80.0	10724.1	8.3	20.7	4092.1	19.5	161.4	49.7	143.2	91.1	148.2	160.4	7.9	11.7	0.7	43.1	54.8	38.0	5.1
SMDH 00639	815398.24	8194605.35	169.00	7.0	8.0	80.0	9343.0	7.1	19.9	3257.3	19.8	211.6	71.4	205.6	130.9	212.8	230.5	6.7	11.9	0.9	73.4	85.6	68.3	5.1
SMDH 00639	815398.24	8194605.35	169.00	8.0	9.0	80.0	11317.2	8.3	25.0	4005.9	25.8	161.3	66.3	190.9	121.5	197.5	213.9	7.8	15.8	0.9	55.6	71.7	48.3	7.3
SMDH 00639	815398.24	8194605.35	169.00	9.0	10.0	80.0	10754.2	7.8	26.6	3357.6	37.4	107.2	74.6	214.9	136.8	222.4	240.9	7.4	17.8	1.0	63.2	87.1	52.4	10.9
SMDH 00639	815398.24	8194605.35	169.00	10.0	11.0	80.0	10342.7	7.5	27.5	2967.9	25.4	83.2	73.4	211.4	134.5	218.7	236.9	7.1	19.0	1.0	56.0	72.5	49.1	6.9
SMDH 00639	815398.24	8194605.35	169.00	11.0	12.0	80.0	10318.7	7.3	25.0	3385.1	20.5	139.7	69.7	200.8	127.8	207.8	225.0	6.9	16.7	1.0	59.7	72.8	54.3	5.4
SMDH 00639	815398.24	8194605.35	169.00	12.0	13.0	80.0	9315.6	6.7	28.9	1983.2	25.8	100.8	82.4	237.4	151.1	245.7	266.0	6.4	21.0	1.2	61.7	77.9	54.0	7.7
SMDH 00639	815398.24	8194605.35	169.00	13.0	14.0	80.0	8785.9	6.4	28.1	1659.4	34.1	110.6	75.6	217.8	138.6	225.4	244.0	6.1	20.5	1.2	67.1	89.0	57.3	9.8
SMDH 00640	815680.17	8194611.73	166.56	0.0	1.0	30.0	5939.1	3.6	22.5	622.7	59.2	502.6	124.3	358.0	227.9	370.5	401.2	3.3	17.6	1.3	282.9	320.8	266.1	16.8
SMDH 00640	815680.17	8194611.73	166.56	1.0	2.0	80.0	5347.4	3.0	19.1	691.4	59.0	861.9	110.8	319.0	203.1	330.1	357.5	2.7	14.9	1.2	308.0	345.6	291.2	16.7
SMDH 00640	815680.17	8194611.73	166.56	2.0	3.0	80.0	7044.5	4.3	16.9	2356.5	49.3	744.8	80.7	232.4	147.9	240.5	260.5	3.9	11.6	1.0	304.8	335.6	290.5	14.3
SMDH 00640	815680.17	8194611.73	166.56	3.0	4.0	80.0	8393.8	5.4	14.7	3750.7	31.0	504.8	58.0	167.2	106.4	173.0	187.3	4.9	8.4	0.8	225.5	244.9	216.7	8.8
SMDH 00640	815680.17	8194611.73	166.56	4.0	5.0	80.0	7030.2	4.6	12.6	3030.3	35.8	528.4	49.5	142.5	90.7	147.5	159.7	4.2	7.2	0.8	214.1	236.5	203.6	10.5
SMDH 00640	815680.17	8194611.73	166.56	5.0	6.0	80.0	5186.8	3.2	11.2	1922.9	26.9	496.5	54.4	156.8	99.8	162.3	175.7	2.9	7.0	0.9	261.9	277.7	253.7	8.2
SMDH 00640	815680.17	8194611.73	166.56	6.0	7.0	80.0	5865.2	3.8	13.5	1968.8	43.3	537.7	71.0	204.4	130.1	211.5	229.1	3.4	8.7	1.1	262.7	288.7	249.5	13.1
SMDH 00640	815680.17	8194611.73	166.56	7.0	8.0	80.0	3402.3	2.1	8.6	988.8	8.0	482.8	40.3	116.0	73.9	120.1	130.0	1.9	5.7	0.8	67.4	71.7	65.0	2.4
SMDH 00640	815680.17	8194611.73	166.56	8.0	9.0	80.0	4230.3	2.4	12.9	940.3	47.1	546.0	68.2	196.5	125.1	203.4	220.2	2.2	9.4	1.0	304.2	332.7	289.8	14.4
SMDH 00640	815680.17	8194611.73	166.56	9.0	10.0	80.0	5504.3	3.2	13.2	1815.2	73.7	631.5	66.0	190.1	121.0	196.7	213.0	2.9	8.9	1.0	374.7	421.1	353.9	20.8
SMDH 00640	815680.17	8194611.73	166.56	10.0	11.0	80.0	4189.0	2.3	12.7	930.0	45.9	595.8	77.6	223.6	142.3	231.4	250.6	2.1	9.2	1.2	337.4	365.1	323.4	14.0
SMDH 00640	815680.17	8194611.73	166.56	11.0	12.0	80.0	4768.6	2.6	16.6	714.5	49.5	658.0	105.6	304.0	193.5	314.7	340.7	2.4	12.6	1.4	341.3	371.6	326.8	14.5
SMDH 00640	815680.17	8194611.73	166.56	12.0	13.0	80.0	3606.7	2.1	9.2	1061.8	11.0	518.3	46.9	135.1	86.0	139.8	151.4	1.9	5.9	1.1	136.5	142.9	133.5	3.0
SMDH 00640	815680.17	8194611.73	166.56	13.0	14.0	80.0	2892.7	1.6	8.8	605.8	12.9	651.0	49.5	142.5	90.7	147.5	159.7	1.4	6.4	0.7	190.9	198.2	187.1	3.8
SMDH 00640	815680.17	8194611.73	166.56	14.0	15.0	80.0	4071.2	2.2	14.2	571.5	41.6	659.8	88.8	255.9	162.9	264.8	286.8	2.0	10.6	1.3	308.6	333.5	295.7	12.9
SMDH 00640	815680.17	8194611.73	166.56	15.0	16.0	80.0	3335.0	1.7	11.1	576.7	42.1	526.9	64.5	185.8	118.3	192.3	208.3	1.5	8.2	1.2	326.8	352.2	313.8	13.0
SMDH 00647	815525.82	8194902.61	168.09	0.0	1.0	30.0	4115.2	2.2	13.5	858.7	36.6	683.7	52.2	150.3	95.7	155.6	168.4	2.0	10.7	0.6	304.9	327.9	294.6	10.3
SMDH 00647	815525.82	8194902.61	168.09	1.0	2.0	80.0	5218.6	2.8	17.8	994.5	41.6	624.6	85.0	244.9	155.9	253.4	274.4	2.5	13.7	1.3	323.5	349.7	311.6	11.9
SMDH 00647	815525.82	8194902.61	168.09	2.0	3.0	80.0	8102.6	5.1	17.8	3070.0	22.1	522.2	75.9	218.6	139.1	226.2	245.0	4.6	11.6	1.2	169.1	182.4	162.5	6.7
SMDH 00647	815525.82	8194902.61	168.09	3.0	4.0	80.0	6661.6	4.0	16.5	2194.4	44.1	525.1	90.3	260.1	165.5	269.2	291.5	3.6	11.2	1.3	286.4	314.1	273.9	12.5
SMDH 00647	815525.82	8194902.61	168.09	4.0	5.0	80.0	6662.9	4.1	15.7	2296.5	50.1	485.6	84.9	244.6	155.7	253.2	274.2	3.7	10.4	1.2	275.4	306.9	260.7	14.7
SMDH 00647	815525.82	8194902.61	168.09	5.0	6.0	80.0	8824.7	5.8	15.6	3905.0	19.5	478.0	68.0	195.8	124.6	202.6	219.4	5.2	8.8	1.1	147.2	158.7	141.2	6.0
SMDH 00647	815525.82	8194902.61	168.09	6.0	7.0	80.0	6519.9	4.0	14.3	2460.5	38.4	402.2	68.2	196.3	125.0	203.1	220.0	3.6	9.0	1.3	263.4	287.4	252.4	11.0
SMDH 00647	815525.82	8194902.61	168.09	7.0	8.0	80.0	6710.9	4.0	17.1	2140.4	64.1	432.4	94.2	271.4	172.8	280.9	304.2	3.6	11.7	1.5	393.3	432.7	374.1	19.2
SMDH 00647	815525.82	8194902.61	168.09	8.0	9.0	80.0	6107.2	3.5	18.8	1417.8	50.6	481.7	106.5	306.8	195.3	317.5	343.8	3.1	13.7	1.7	356.0	387.6	341.1	14.9
SMDH 00647	815525.82	8194902.61	168.09	9.0	10.0	80.0	5224.1	2.9	17.1	1013.6	70.2	464.2	98.3	283.2	180.3	293.1	317.4	2.6	12.5	1.7	397.1	441.3	376.9	20.2
SMDH 00647	815525.82	8194902.61	168.09	10.0	11.0	80.0	7464.0	4.2	22.8	1872.2	47.5	525.3	116.0	334.2	212.7	345.9	374.5	3.8	17.0	1.6	376.9	406.5	363.2	13.7
SMDH 00647	815525.82	8194902.61	168.09	11.0	12.0	80.0	6148.2	3.5	20.2	1276.3	29.8	517.9	91.1	262.3	167.0	271.5	294.0	3.2	15.1	1.6	271.8	289.9	263.4	8.4
SMDH 00647	815525.82	8194902.61	168.09	12.0	13.0	80.0	6741.5	3.9	23.3	1192.5	40.0	571.3	108.1	311.4	198.2	322.2	349.0	3.5	17.8	1.6	371.8	396.6	360.3	11.4
SMDH 00647	815525.82	8194902.61	168.09	13.0	14.0	80.0	9698.7	6.9	30.2	2034.1	41.3	123.7	85.4	245.9	156.6	254.5	275.6	6.6	22.0	1.2	108.0	134.7	96.4	11.5
SMDH 00646	815250.78	8194898.75	166.63	0.0	1.0	10.0	6005.3	3.4	22.9	704.7	40.0	859.9	80.7	232.3	147.9	240.4	260.3	3.2	18.7	0.7	398.5	422.5	386.1	12.4
SMDH 00646	815250.78	8194898.75	166.63	1.0	2.0	80.0	4233.7	2.1	14.5	673.5	44.7	978.6	96.7	278.5	177.3	288.2	312.1	1.8	11.5	0.9	383.9	410.8	370.0	13.9
SMDH 00646	815250.78	8194898.75	166.63	2.0	3.0	80.0	5838.6	3.7	16.5	1300.7	56.7	888.9	123.0	354.2	225.5	366.6	397.0	3.3	11.5	1.3	182.0	219.0	166.7	15.3
SMDH 00646	815250.78	8194898.75	166.63	3.0	4.0	80.0	7482.4	5.2	18.2	2059.7	53.9	1050.2	148.4	427.5	272.1	442.4	479.1	4.7	11.8	1.2	119.6	154.2	104.7	15.0
SMDH 00646	815250.78	8194898.75	166.63	4.0	5.0	80.0	7164.0	4.8	16.7	1947.9	19.6	1411.7	203.6	586.5	373.3	606.9	657.2	4.2	10.4	1.5	69.3	81.5	64.1	5.2
SMDH 00646	815250.78	8194898.75	166.63	5.0	6.0	80.0	9815.6	6.7	19.5	3719.2	16.8	972.4	122.0	351.5	223.7	363.7	393.9	6.0	11.7	1.2	39.0	49.4	34.5	4.5
SMDH 00646	815250.78	8194898.75	166.63	6.0	7.0	80.0	7230.5	4.6	18.8	1937.5	15.8	1096.5	114.4	329.6	209.8	341.1	369.4	4.2	12.8	1.4	77.0	86.8	72.9	4.1
SMDH 00646	815250.78	8194898.75	166.63	7.0	8.0	80.0	8236.3	5.4	15.3	3463.3	12.8	526.6	71.9	207.2	131.9	214.4	232.2	4.9	8.7	1.2	64.6	72.5	61.3	3.3
SMDH 00646	815250.78	8194898.75	166.63	8.0	9.0	80.0	9399.7	6.1	29.6	1564.6	44.4	1711.4	189.0	544.3	346.5	563.3	609.9	5.6	22.0	1.5	63.4	91.2	50.9	12.5
SMDH 00646	815250.78	8194898.75	166.63	9.0	10.0	80.0	8843.2	5.7	21.5	2590.6	28.2	1469.9	144.6	416.4	265.0	430.9	466.6	5.1	14.5	1.3	63.0	80.1	54.4	8.6
SMDH 00646	815250.78	8194898.75	166.63	10.0	11.0	80.0	6829.8	4.2	21.2	915.1	48.2	1867.8	219.7	632.8	402.8	654.9	709.2	3.7	15.2	1.8	61.8	92.8	48.4	13.3
SMDH 00646	815250.78	8194898.75	166.63	11.0	12.0	80.0	6210.7	3.9	19.8	805.7	27.6	1561.2	194.6	560.5	356.8	580.0	628.1	3.4	14.4	1.6	73.5	90.8	66.0	7.6
SMDH 00646	815250.78	8194898.75	166.63	12.0	13.0	80.0	6418.3	3.9	23.2	537.5	9.2	1496.1	147.9	425.9	271.1	440.7	477.3	3.5	17.6	1.7	41.9	46.9	39.4	2.5
SMDH 00646	815250.78	8194898.75	166.63	13.0	14.0	80.0	5728.6	3.5	18.2	835.5	18.7	1349.8	133.9	385.7	245.5	399.1	432.2	3.1	12.9	1.8	51.6	63.0	46.8	4.8
SMDH 00646	815250.78	8194898.75	166.63	14.0	15.0	80.0	6833.8	4.3	20.8	1247.8	22.5	1345.8	150.1	432.2	275.1	447.3	484.4	3.8	15.1	1.4	46.8	60.8	40.7	6.1
SMDH 00646	815250.78	8194898.75	166.63	15.0	16.0	80.0	6686.6	4.2	19.9	1235.2	14.3	1522.2	150.5	433.4	275.9	448.5	485.7	3.7	14.3	1.5	50.1	58.4	46.1	4.0
SMDH 00645	814971.95	8194909.66	169.00	0.0	1.0	50.0	4298.9	2.1	16.0	580.4	45.4	906.1	69.3	199.5	127.0	206.5	223.6	1.8	13.1	0.8	335.2	364.1	322.6	12.7
SMDH 00645	814971.95	8194909.66	169.00	1.0	2.0	80.0	4828.6	2.6	14.5	1132.2	43.4	830.8	81.6	235.0	149.6	243.2	263.3	2.3	10.8	1.1	351.2	378.8	339.3	12.0
SMDH 00645	814971.95	8194909.66	169.00	2.0	3.0	80.0	6116.1	3.5	12.8	2459.2	25.8	524.1	66.3	191.0	121.6	197.7	214.1	3.2	8.0	1.2	501.8	516.7	494.3	7.6
SMDH 00645	814971.95	8194909.66	169.00	3.0	4.0	80.0	6204.3	3.7	13.5	2329.5	35.2	641.7	68.2	196.4	125.0	203.3	220.1	3.3	8.7	1.1	428.7	449.2	418.0	10.7
SMDH 00645	814971.95	8194909.66	169.00	4.0	5.0	80.0	5890.8	3.5	15.1	1796.0	55.5	699.0	75.9	218.5	139.1	226.1	244.8	3.2	10.5	1.1	429.1	463.6	413.6	15.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00645	814971.95	8194909.66	169.00	5.0	6.0	80.0	5517.3	3.3	13.8	1732.3	31.4	561.3	68.5	197.2	125.5	204.1	221.0	3.0	9.3	1.1	252.0	270.7	242.7	9.3
SMDH 00645	814971.95	8194909.66	169.00	6.0	7.0	80.0	4596.4	2.7	12.7	1238.4	24.4	494.1	64.2	185.0	117.8	191.5	207.3	2.5	8.8	1.1	254.5	269.4	247.7	6.8
SMDH 00645	814971.95	8194909.66	169.00	7.0	8.0	80.0	4667.0	2.7	13.6	1174.5	19.3	539.1	72.0	207.4	132.0	214.6	232.4	2.4	9.6	1.3	309.0	320.0	303.4	5.5
SMDH 00645	814971.95	8194909.66	169.00	8.0	9.0	80.0	4105.5	2.3	12.0	1015.6	26.4	487.9	54.4	156.8	99.8	162.3	175.7	2.1	8.5	1.3	280.9	296.6	273.3	7.7
SMDH 00644	814683.27	8194907.58	169.53	0.0	1.0	30.0	5369.4	2.7	20.6	599.4	54.9	831.0	121.4	349.6	222.5	361.8	391.7	2.4	16.3	1.6	354.3	388.4	338.1	16.2
SMDH 00644	814683.27	8194907.58	169.53	1.0	2.0	30.0	5467.6	2.8	19.1	909.3	57.4	775.4	109.6	315.7	201.0	326.7	353.8	2.5	14.7	1.6	348.0	385.0	332.2	15.8
SMDH 00644	814683.27	8194907.58	169.53	2.0	3.0	30.0	8334.5	5.3	14.7	3756.1	28.2	441.8	62.3	179.3	114.2	185.6	201.0	4.8	8.4	1.0	233.0	250.8	225.3	7.7
SMDH 00644	814683.27	8194907.58	169.53	3.0	4.0	30.0	5310.2	3.2	14.1	1548.1	42.0	564.4	63.9	183.9	117.1	190.4	206.1	2.9	9.9	1.0	254.0	280.1	241.8	12.1
SMDH 00644	814683.27	8194907.58	169.53	4.0	5.0	80.0	7643.3	4.9	14.7	3240.8	22.1	352.8	63.5	182.9	116.4	189.3	204.9	4.5	8.9	0.8	231.1	244.6	224.8	6.4
SMDH 00644	814683.27	8194907.58	169.53	5.0	6.0	80.0	5826.1	3.6	12.8	2152.9	31.6	403.5	59.0	169.9	108.1	175.8	190.4	3.3	8.2	1.0	241.1	260.7	231.9	9.2
SMDH 00644	814683.27	8194907.58	169.53	6.0	7.0	80.0	6912.5	4.3	14.8	2627.6	50.4	469.4	63.1	181.8	115.7	188.1	203.7	3.9	9.5	1.0	287.0	318.4	271.8	15.2
SMDH 00644	814683.27	8194907.58	169.53	7.0	8.0	80.0	6236.2	3.8	16.5	1749.2	59.2	828.7	77.3	222.7	141.7	230.4	249.5	3.4	11.7	1.1	275.0	313.6	259.0	16.0
SMDH 00644	814683.27	8194907.58	169.53	8.0	9.0	80.0	5791.7	3.5	15.6	1630.6	55.8	533.8	72.5	208.8	132.9	216.1	234.0	3.2	11.0	1.1	249.6	285.8	234.4	15.3
SMDH 00644	814683.27	8194907.58	169.53	9.0	10.0	80.0	5015.1	3.0	14.7	1219.0	53.2	550.1	73.6	211.9	134.9	219.3	237.5	2.7	10.6	1.1	253.4	287.6	238.5	14.9
SMDH 00644	814683.27	8194907.58	169.53	10.0	11.0	80.0	4842.4	2.8	15.1	1038.9	53.8	523.3	75.7	218.1	138.8	225.7	244.4	2.6	11.1	1.2	266.2	300.4	250.7	15.6
SMDH 00644	814683.27	8194907.58	169.53	11.0	12.0	80.0	5000.3	2.8	16.0	936.1	58.0	858.3	82.8	238.6	151.9	246.9	267.4	2.5	12.0	1.2	326.3	362.6	309.3	16.9
SMDH 00644	814683.27	8194907.58	169.53	12.0	13.0	80.0	4958.2	2.7	15.5	1107.5	54.6	636.1	80.1	230.7	146.9	238.8	258.5	2.4	11.6	1.2	418.9	452.9	403.2	15.8
SMDH 00644	814683.27	8194907.58	169.53	13.0	14.0	80.0	5110.3	2.9	16.1	1074.2	43.0	662.8	96.9	279.1	177.7	288.8	312.8	2.6	12.0	1.2	387.0	413.5	374.2	12.8
SMDH 00644	814683.27	8194907.58	169.53	14.0	15.0	80.0	5004.6	2.9	16.6	865.7	71.4	660.8	88.0	253.5	161.4	262.4	284.1	2.6	12.5	1.2	305.0	350.9	284.6	20.3
SMDH 00644	814683.27	8194907.58	169.53	15.0	16.0	80.0	5082.5	2.9	17.0	902.3	59.4	658.2	89.8	258.7	164.6	267.7	289.9	2.6	12.9	1.3	354.7	392.7	338.0	16.7
SMDH 00656	813720.56	8195189.74	162.88	0.0	1.0	30.0	4464.6	2.2	10.7	1457.3	66.2	1130.2	65.2	187.8	119.6	194.4	210.5	1.9	7.7	0.8	648.1	689.0	629.0	19.2
SMDH 00656	813720.56	8195189.74	162.88	1.0	2.0	50.0	4509.2	2.4	12.3	1268.8	49.2	742.1	67.9	195.5	124.4	202.3	219.1	2.1	8.9	1.0	443.9	473.9	429.2	14.8
SMDH 00656	813720.56	8195189.74	162.88	2.0	3.0	80.0	4536.2	2.6	14.0	1038.8	34.5	447.3	73.4	211.4	134.5	218.7	236.9	2.3	10.4	1.1	265.0	286.8	255.2	9.8
SMDH 00656	813720.56	8195189.74	162.88	3.0	4.0	80.0	4449.0	2.1	12.2	1310.9	64.6	834.3	60.3	173.6	110.5	179.7	194.5	1.9	9.0	1.0	654.1	694.0	635.0	19.1
SMDH 00656	813720.56	8195189.74	162.88	4.0	5.0	80.0	8762.9	5.5	16.8	3731.4	62.4	550.3	72.8	209.5	133.4	216.9	234.8	4.9	10.4	1.0	537.2	576.8	520.1	17.1
SMDH 00656	813720.56	8195189.74	162.88	5.0	6.0	60.0	6639.3	4.0	15.4	2296.7	54.3	744.8	73.5	211.6	134.7	219.0	237.1	3.6	10.3	1.1	423.6	457.3	408.2	15.4
SMDH 00656	813720.56	8195189.74	162.88	6.0	7.0	80.0	6238.9	3.5	18.7	1483.9	55.8	969.4	100.2	288.7	183.8	298.8	323.5	3.1	14.0	1.3	563.8	598.5	547.7	16.1
SMDH 00656	813720.56	8195189.74	162.88	7.0	8.0	80.0	5381.5	3.0	16.7	1166.1	43.7	750.8	88.8	255.8	162.8	264.7	286.6	2.7	12.4	1.3	390.0	417.2	377.8	12.2
SMDH 00656	813720.56	8195189.74	162.88	8.0	9.0	80.0	6681.1	3.7	18.2	1953.6	53.7	829.5	98.4	283.5	180.4	293.4	317.7	3.3	13.2	1.2	618.5	651.7	603.1	15.4
SMDH 00656	813720.56	8195189.74	162.88	9.0	10.0	80.0	6480.7	3.6	20.2	1442.6	67.8	905.7	107.0	308.3	196.3	319.1	345.5	3.2	15.4	1.3	601.3	644.2	582.1	19.2
SMDH 00655	813428.52	8195178.43	162.33	0.0	1.0	20.0	1747.1	0.9	5.4	329.9	18.4	548.2	29.7	85.5	54.4	88.5	95.8	0.8	4.2	0.3	146.9	158.2	141.4	5.5
SMDH 00655	813428.52	8195178.43	162.33	1.0	2.0	30.0	3490.4	1.8	10.5	736.1	55.3	1006.3	65.7	189.3	120.5	195.9	212.1	1.5	8.1	0.6	385.3	419.8	368.7	16.7
SMDH 00655	813428.52	8195178.43	162.33	2.0	3.0	80.0	3934.4	1.8	9.5	1092.4	60.7	1762.4	77.4	222.9	141.9	230.7	249.8	1.4	7.1	0.6	567.2	605.3	549.8	17.4
SMDH 00655	813428.52	8195178.43	162.33	3.0	4.0	80.0	4972.4	2.7	13.8	1482.0	52.0	553.5	72.3	208.4	132.6	215.6	233.5	2.4	10.4	0.8	651.7	683.4	636.5	15.2
SMDH 00655	813428.52	8195178.43	162.33	4.0	5.0	80.0	6315.4	4.2	15.0	2019.3	42.2	538.3	69.6	200.4	127.5	207.4	224.6	3.8	9.8	1.0	350.9	376.7	339.1	11.8
SMDH 00655	813428.52	8195178.43	162.33	5.0	6.0	80.0	7728.4	4.9	18.6	2530.8	69.0	643.6	88.7	255.4	162.6	264.3	286.2	4.5	12.7	1.0	572.1	614.1	551.8	20.3
SMDH 00655	813428.52	8195178.43	162.33	6.0	7.0	40.0	5453.3	3.1	15.7	1407.3	51.3	674.2	81.3	234.1	149.0	242.2	262.3	2.8	11.5	1.1	446.2	477.7	431.5	14.7
SMDH 00655	813428.52	8195178.43	162.33	7.0	8.0	80.0	6047.7	3.5	15.9	1830.4	39.4	736.6	85.2	245.4	156.2	253.9	275.0	3.1	11.3	1.1	461.2	485.5	450.2	11.0
SMDH 00655	813428.52	8195178.43	162.33	8.0	9.0	80.0	5851.9	3.3	16.4	1649.5	42.3	717.6	80.6	232.2	147.8	240.3	260.3	2.9	11.9	1.2	415.6	441.3	403.2	12.4
SMDH 00654	813166.25	8195188.93	160.74	0.0	1.0	30.0	3133.8	1.6	8.6	759.6	51.9	1002.4	57.7	166.2	105.8	172.0	186.3	1.3	6.5	0.5	371.5	404.4	356.9	14.6
SMDH 00654	813166.25	8195188.93	160.74	1.0	2.0	60.0	3405.7	1.7	7.9	1047.0	60.6	1167.8	54.3	156.5	99.6	162.0	175.4	1.4	5.7	0.5	459.2	496.8	441.1	18.1
SMDH 00654	813166.25	8195188.93	160.74	2.0	3.0	80.0	4048.3	1.9	10.6	1279.3	67.6	937.2	57.0	164.0	104.4	169.7	183.8	1.6	8.0	0.7	697.7	739.8	678.3	19.4
SMDH 00654	813166.25	8195188.93	160.74	3.0	4.0	80.0	3759.5	1.8	12.0	810.3	42.2	730.1	59.6	171.5	109.2	177.5	192.2	1.6	9.3	0.9	393.9	419.7	381.6	12.3
SMDH 00654	813166.25	8195188.93	160.74	4.0	5.0	80.0	5638.6	2.3	13.6	2249.0	96.1	875.1	62.2	179.2	114.0	185.4	200.8	1.9	10.5	0.8	1375.1	1433.6	1346.8	28.2
SMDH 00654	813166.25	8195188.93	160.74	5.0	6.0	80.0	5513.5	3.2	16.9	1280.4	64.9	465.6	80.2	230.9	147.0	238.9	258.7	2.9	12.5	1.1	382.3	423.4	364.8	17.5
SMDH 00654	813166.25	8195188.93	160.74	6.0	7.0	80.0	5074.1	2.8	15.5	1245.7	45.9	464.6	74.5	214.6	136.6	222.1	240.5	2.6	11.5	1.2	382.7	410.9	369.5	13.2
SMDH 00654	813166.25	8195188.93	160.74	7.0	7.5	80.0	3423.1	2.0	9.5	962.3	27.6	225.7	38.0	109.4	69.6	113.2	122.6	1.8	6.3	1.2	242.4	259.4	234.6	7.8
SMDH 00654	813166.25	8195188.93	160.74	7.5	8.0	80.0	3423.1	2.0	9.5	962.3	27.6	225.7	38.0	109.4	69.6	113.2	122.6	1.8	6.3	1.2	242.4	259.4	234.6	7.8
SMDH 00653	812879.20	8195189.80	160.39	0.0	1.0	50.0	3852.4	2.0	11.8	854.7	48.7	833.0	71.4	205.5	130.8	212.7	230.3	1.7	9.0	0.8	397.6	427.6	383.1	14.5
SMDH 00653	812879.20	8195189.80	160.39	1.0	2.0	80.0	5598.6	3.4	15.1	1578.5	37.0	616.1	55.3	159.4	101.5	165.0	178.7	3.1	10.7	1.0	311.0	333.6	300.5	10.5
SMDH 00653	812879.20	8195189.80	160.39	2.0	3.0	80.0	5012.6	3.1	14.9	1205.7	18.3	488.4	54.6	157.3	100.2	162.8	176.3	2.9	10.9	0.9	231.0	242.0	226.1	5.0
SMDH 00653	812879.20	8195189.80	160.39	3.0	4.0	80.0	8680.1	6.7	15.0	3559.5	18.3	284.3	39.5	113.7	72.4	117.6	127.4	6.3	7.7	0.6	184.6	195.5	180.5	4.1
SMDH 00653	812879.20	8195189.80	160.39	4.0	5.0	80.0	6418.2	4.4	12.8	2433.5	27.4	452.5	66.2	190.6	121.3	197.2	213.6	4.0	7.6	0.9	344.3	360.5	336.5	7.8
SMDH 00653	812879.20	8195189.80	160.39	5.0	6.0	80.0	4408.9	2.2	13.5	1124.3	32.6	553.0	74.9	215.8	137.4	223.3	241.8	1.9	10.0	1.3	517.9	536.9	508.2	9.7
SMDH 00653	812879.20	8195189.80	160.39	6.0	7.0	80.0	4188.9	2.2	14.4	821.8	24.9	393.2	66.1	190.3	121.2	197.0	213.3	2.0	11.0	1.2	354.1	369.0	346.9	7.2
SMDH 00653	812879.20	8195189.80	160.39	7.0	8.0	80.0	4493.0	2.3	13.9	1167.5	31.9	326.5	83.4	240.2	152.9	248.5	269.1	2.0	10.3	1.2	523.6	541.9	513.6	10.0
SMDH 00653	812879.20	8195189.80	160.39	8.0	9.0	80.0	4805.2	2.5	15.8	1080.3	39.5	348.6	92.0	264.9	168.6	274.2	296.9	2.2	12.1	1.3	484.4	508.4	472.9	11.5
SMDH 00653	812879.20	8195189.80	160.39	9.0	10.0	80.0	4295.9	2.3	14.0	961.0	30.6	358.6	74.8	215.6	137.2	223.1	241.6	2.0	10.5	1.2	398.5	417.0	389.8	8.8
SMDH 00653	812879.20	8195189.80	160.39	10.0	11.0	80.0	5346.4	2.7	17.0	1359.7	52.3	385.1	98.2	282.7	180.0	292.6	316.8	2.4	13.0	1.3	678.7	710.6	664.0	14.7
SMDH 00653	812879.20	8195189.80	160.39	11.0	12.0	80.0	5052.0	2.5	15.2	1395.9	43.8	314.6	110.8	319.2	203.2	330.4	357.8	2.2	11.4	1.3	652.1	678.5	639.7	12.4
SMDH 00653	812879.20	8195189.80	160.39	12.0	13.0	80.0	4806.4	2.6	15.9	1030.0	32.5	349.3	79.8	229.9	146.3	237.9	257.6	2.4	12.1	1.3	406.0	425.8	396.8	9.2
SMDH 00653	812879.20	8195189.80	160.39	13.0	14.0	80.0	4720.4	2.3	15.3	1143.1	33.4	382.2	75.8	218.3	139.0	226.0	244.7	2.1	11.7	1.3	558.5	578.3	548.8	9.7
SMDH 00653	812879.20	8195189.80	160.39	14.0	15.0	80.0	4374.8	2.2	14.6	981.4	27.2	411.8	72.4	208.4	132.7	215.7	233.6	1.9	11.2	1.2	487.4	503.3	479.5	7.9
SMDH 00653	812879.20	8195189.80	160.39	15.0	16.0	80.0	4406.8	2.3	15.7	737.3	17.5	493.1	72.8	209.5	133.4	216.9	234.8	2.1	12.1	1.2	318.2	328.2	312.8	5.4
SMDH 00653	812879.20	8195189.80	160.39	16.0	17.0	80.0	5203.9	2.8	18.1	921.5	27.4	678.1	86.8	250.0	159.2	258.8	280.2	2.5	14.0	1.3	368.0	384.3	359.8	8.3
SMDH 00653	812879.20	8195189.80	160.39	17.0	18.0	80.0	5383.7	2.8	19.5	830.7	19.5	778.1	87.1	250.9	159.7	259.6	281.1	2.5	15.3	1.4	375.9	386.9	370.2	5.7
SMDH 00652	812577.71	8195179.12	160.84	0.0	1.0	70.0	4937.9	2.9	16.6	836.3	51.1	548.5	90.0	259.1	164.9	268.1	290.3	2.7	12.5	1.1	289.2	321.5	274.5	14.8
SMDH 00652	812577.71	8195179.12	160.84	1.0	2.0	80.0	4668.3	2.7	15.6	804.6	50.9	598.3	88.7	255.3	162.5	264.3	286.2	2.4	11.8	1.1	285.6	318.4	271.6	14.0
SMDH 00652	812577.71	8195179.12	160.84	2.0	3.0	80.0	5567.2	3.2	16.8	1313.5	55.7	582.2	103.1	296.9	189.0	307.3	332.7	2.9	12.4	1.2	351.6	386.9	336.2	15.4
SMDH 00652	812577.71	8195179.12	160.84	3.0	4.0	80.0	6452.5	4.0	17.1	1917.8	39.9	469.3	86.9	250.3	159.3	259.1	280.5	3.6	11.9	1.2	352.7	377.3	341.8	10.8
SMDH 00652	812577.71	8195179.12	160.84	4.0	5.0	80.0	6635.1	3.5	17.2	2259.6	44.6	555.6	126.6	364.6	232.1	377.4	408.6	3.0	12.4	1.3	912.5	938.4	900.0	12.6
SMDH 00652	812577.71	8195179.12	160.84	5.0	6.0	80.0	6257.8	3.5	17.9	1789.9	39.9	260.5	114.9	330.9	210.6	342.4	370.8	3.2	13.0	1.4	580.6	604.3	569.0	11.6
SMDH 00652	812577.71	8195179.12	160.84	6.0	7.0	80.0	5856.0	3.2	17.8	1471.1	38.7	404.5	134.3	386.7	246.1	400.2	433.3	2.8	13.1	1.5	542.2	565.3	530.8	11.4
SMDH 00652	812577.71	8195179.12	160.84	7.0	8.0	80.0	5907.0	3.2	15.1	2046.2	44.0	126.6	129.9	374.1	238.1	387.2	419.2	2.8	10.5	1.5	739.6	765.5	727.0	12.6
SMDH 00652	812577.71	8195179.12	160.84	8.0	9.0	80.0	4644.5	2.7	13.1	1301.7	28.6	129.0	80.1	230.8	146.9	238.8	258.6	2.5	9.0	1.4	293.5	311.5	286.0	7.5
SMDH 00652	812577.71	8195179.12	160.84	9.0	10.0	80.0	4193.8	2.4	10.7	1364.6	15.6	310.8	52.0	149.8	95.3	155.0	167.9	2.2	7.2	1.1	324.8	333.9	320.9	3.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00668	812732.32	8195456.30	164.61	0.0	1.0	20.0	3445.6	1.7	12.2	575.1	32.4	579.0	50.7	146.1	93.0	151.2	163.7	1.5	9.6	0.9	314.0	333.7	304.2	9.8
SMDH 00668	812732.32	8195456.30	164.61	1.0	2.0	50.0	3987.1	2.0	15.9	404.8	26.4	464.7	60.6	174.6	111.1	180.7	195.7	1.8	12.5	1.4	226.9	243.0	218.8	8.1
SMDH 00668	812732.32	8195456.30	164.61	2.0	3.0	80.0	3356.2	1.7	12.2	479.2	25.1	417.6	56.1	161.6	102.9	167.2	181.1	1.6	9.3	1.2	258.4	273.8	250.9	7.5
SMDH 00668	812732.32	8195456.30	164.61	3.0	4.0	80.0	4045.0	2.2	14.2	666.8	33.7	443.7	67.0	192.9	122.8	199.6	216.1	2.0	10.7	1.3	301.6	322.8	292.5	9.1
SMDH 00668	812732.32	8195456.30	164.61	4.0	5.0	80.0	4246.1	2.5	12.1	1109.2	25.4	369.4	57.8	166.4	105.9	172.2	186.5	2.3	8.4	1.2	262.8	278.1	255.7	7.1
SMDH 00668	812732.32	8195456.30	164.61	5.0	6.0	80.0	4742.1	2.8	14.2	1128.7	43.2	401.4	56.3	162.1	103.2	167.7	181.6	2.6	10.2	1.2	290.3	317.4	277.9	12.4
SMDH 00668	812732.32	8195456.30	164.61	6.0	7.0	80.0	5932.9	3.4	20.3	1017.0	94.7	513.5	75.6	217.9	138.7	225.5	244.2	3.2	15.4	1.5	468.7	530.4	441.8	26.9
SMDH 00668	812732.32	8195456.30	164.61	7.0	8.0	80.0	5009.2	2.8	16.8	853.5	82.7	613.2	69.9	201.4	128.2	208.5	225.7	2.5	12.5	1.5	447.2	501.7	424.9	22.3
SMDH 00668	812732.32	8195456.30	164.61	8.0	9.0	80.0	4541.1	2.1	13.3	1357.3	44.7	435.1	62.3	179.5	114.3	185.8	201.2	1.8	9.9	1.3	774.2	801.1	761.2	13.0
SMDH 00668	812732.32	8195456.30	164.61	9.0	10.0	80.0	4452.6	2.2	14.0	1118.0	28.1	476.6	68.6	197.7	125.9	204.6	221.6	2.0	10.5	1.3	607.6	623.5	599.1	8.5
SMDH 00668	812732.32	8195456.30	164.61	10.0	11.0	80.0	6233.3	3.2	18.7	1686.6	69.9	613.1	83.0	239.0	152.2	247.4	267.9	2.9	14.2	1.4	955.9	999.8	936.7	19.3
SMDH 00668	812732.32	8195456.30	164.61	11.0	12.0	80.0	6572.9	4.0	22.6	1038.5	105.0	490.8	77.1	222.1	141.4	229.8	248.9	3.8	17.0	1.5	458.9	529.4	431.3	27.6
SMDH 00669	813013.74	8195457.96	165.28	0.0	1.0	20.0	5283.6	2.6	19.5	671.5	71.0	1113.3	78.7	226.6	144.3	234.5	254.0	2.3	15.6	1.4	394.8	440.6	374.8	19.9
SMDH 00669	813013.74	8195457.96	165.28	1.0	2.0	40.0	6573.8	3.8	17.6	1963.8	87.1	522.1	76.6	220.7	140.5	228.4	247.3	3.5	12.5	1.3	253.9	313.5	231.7	22.1
SMDH 00669	813013.74	8195457.96	165.28	2.0	3.0	80.0	5891.8	3.6	15.2	1794.9	81.1	387.1	69.5	200.3	127.5	207.2	224.4	3.3	10.5	1.1	215.5	270.4	194.2	21.4
SMDH 00669	813013.74	8195457.96	165.28	3.0	4.0	50.0	5642.3	3.5	16.4	1351.5	94.0	403.5	67.7	195.1	124.2	201.9	218.7	3.3	11.8	1.1	251.5	315.6	227.6	23.9
SMDH 00669	813013.74	8195457.96	165.28	4.0	5.0	80.0	5380.5	3.2	17.0	1100.9	92.4	406.4	82.8	238.5	151.8	246.8	267.3	3.0	12.5	1.2	257.7	320.1	233.8	23.9
SMDH 00669	813013.74	8195457.96	165.28	5.0	6.0	80.0	5082.6	3.0	15.1	1244.4	52.6	401.5	61.8	177.9	113.2	184.1	199.3	2.8	10.9	1.1	287.7	322.0	273.1	14.5
SMDH 00669	813013.74	8195457.96	165.28	6.0	7.0	80.0	5177.7	3.0	16.4	1123.9	50.5	422.1	73.2	210.9	134.2	218.3	236.3	2.8	12.2	1.2	309.2	341.2	294.8	14.3
SMDH 00669	813013.74	8195457.96	165.28	7.0	8.0	80.0	5345.4	3.1	15.6	1196.3	44.0	1076.9	73.9	212.8	135.5	220.3	238.5	2.8	11.2	1.2	313.9	341.5	301.3	12.6
SMDH 00669	813013.74	8195457.96	165.28	8.0	9.0	80.0	5145.7	3.1	15.8	1112.2	33.1	532.7	84.2	242.4	154.3	250.9	271.7	2.8	11.5	1.2	236.7	257.5	227.2	9.5
SMDH 00669	813013.74	8195457.96	165.28	9.0	9.2	80.0	5471.6	3.3	16.7	1205.0	46.9	631.5	83.5	240.6	153.2	249.0	269.7	3.0	12.2	1.2	267.8	297.3	254.0	13.8
SMDH 00669	813013.74	8195457.96	165.28	9.2	10.0	80.0	5471.6	3.3	16.7	1205.0	46.9	631.5	83.5	240.6	153.2	249.0	269.7	3.0	12.2	1.2	267.8	297.3	254.0	13.8
SMDH 00670	813294.06	8195456.07	162.48	0.0	1.0	20.0	2960.0	1.6	8.7	666.9	35.1	654.0	40.5	116.6	74.2	120.7	130.7	1.4	6.6	0.5	274.5	296.1	264.3	10.1
SMDH 00670	813294.06	8195456.07	162.48	1.0	2.0	50.0	4258.0	2.5	12.1	1066.2	38.6	619.9	55.0	158.4	100.8	163.9	177.5	2.3	8.8	0.8	317.0	340.9	306.1	10.9
SMDH 00670	813294.06	8195456.07	162.48	2.0	3.0	80.0	8159.2	6.0	14.4	3280.3	32.9	538.3	52.7	151.8	96.6	157.1	170.1	5.6	7.6	0.8	272.1	291.6	263.3	8.8
SMDH 00670	813294.06	8195456.07	162.48	3.0	4.0	80.0	5836.8	3.8	14.6	1727.5	50.7	533.2	68.2	196.5	125.1	203.3	220.2	3.5	9.7	1.0	385.0	415.8	370.3	14.8
SMDH 00670	813294.06	8195456.07	162.48	4.0	5.0	80.0	8495.8	6.2	15.6	3357.0	58.1	430.2	52.6	151.4	96.4	156.7	169.7	5.8	8.6	0.8	436.0	470.8	419.2	16.8
SMDH 00670	813294.06	8195456.07	162.48	5.0	6.0	80.0	5847.1	3.2	16.4	1644.9	72.7	628.9	75.8	218.2	138.9	225.8	244.6	2.9	11.9	1.2	699.7	743.7	678.1	21.6
SMDH 00670	813294.06	8195456.07	162.48	6.0	7.0	80.0	5667.3	3.4	15.2	1658.2	45.2	553.7	71.3	205.3	130.7	212.5	230.1	3.0	10.6	1.2	529.5	556.7	516.3	13.2
SMDH 00670	813294.06	8195456.07	162.48	7.0	8.0	80.0	5278.4	3.0	15.1	1392.5	50.3	593.3	75.8	218.4	139.0	226.0	244.8	2.7	10.9	1.2	500.7	531.4	486.1	14.5
SMDH 00670	813294.06	8195456.07	162.48	8.0	8.2	80.0	4945.9	2.7	13.9	1388.3	65.0	509.4	60.5	174.1	110.8	180.2	195.1	2.4	10.0	1.2	537.0	576.6	517.6	19.4
SMDH 00670	813294.06	8195456.07	162.48	8.2	9.0	80.0	4945.9	2.7	13.9	1388.3	65.0	509.4	60.5	174.1	110.8	180.2	195.1	2.4	10.0	1.2	537.0	576.6	517.6	19.4
SMDH 00671	813560.91	8195463.81	163.64	0.0	1.0	20.0	1862.5	1.0	5.4	428.0	24.3	548.9	35.9	103.3	65.8	106.9	115.8	0.8	4.2	0.3	197.9	213.1	190.9	7.0
SMDH 00671	813560.91	8195463.81	163.64	1.0	2.0	20.0	2696.5	1.4	8.3	552.6	33.6	702.9	53.2	153.1	97.5	158.5	171.6	1.2	6.5	0.4	307.5	328.6	298.0	9.5
SMDH 00671	813560.91	8195463.81	163.64	2.0	3.0	80.0	3828.8	2.0	12.0	870.0	43.7	600.9	67.7	195.1	124.2	201.9	218.6	1.8	9.3	0.7	416.9	444.3	404.3	12.6
SMDH 00671	813560.91	8195463.81	163.64	3.0	4.0	80.0	3620.4	1.8	10.9	894.4	47.0	671.8	60.6	174.6	111.1	180.7	195.7	1.6	8.4	0.6	453.1	482.6	439.7	13.4
SMDH 00671	813560.91	8195463.81	163.64	4.0	5.0	80.0	5785.7	2.8	14.8	1771.2	78.8	1519.8	82.5	237.7	151.3	246.0	266.4	2.4	11.0	0.9	881.4	931.1	859.2	22.2
SMDH 00671	813560.91	8195463.81	163.64	5.0	6.0	80.0	6810.8	4.0	16.8	2105.9	71.2	1217.2	78.0	224.8	143.1	232.6	251.9	3.5	11.8	1.0	653.1	698.7	633.4	19.7
SMDH 00671	813560.91	8195463.81	163.64	6.0	7.0	80.0	6991.1	4.4	15.9	2502.3	67.3	526.3	61.6	177.4	112.9	183.6	198.8	4.0	10.5	1.0	508.3	552.9	490.5	17.8
SMDH 00671	813560.91	8195463.81	163.64	7.0	8.0	80.0	6802.9	4.1	14.7	2594.8	71.2	482.6	59.7	172.1	109.5	178.1	192.8	3.7	9.6	1.1	550.9	598.3	531.6	19.3
SMDH 00671	813560.91	8195463.81	163.64	8.0	9.0	80.0	6511.0	3.8	16.0	2180.8	76.8	585.4	70.6	203.4	129.5	210.6	228.0	3.4	11.2	1.1	579.9	630.8	558.8	21.0
SMDH 00671	813560.91	8195463.81	163.64	9.0	10.0	80.0	5971.7	3.3	16.3	1797.6	63.3	597.1	83.3	240.0	152.8	248.4	268.9	2.9	11.8	1.2	706.9	747.1	688.9	18.0
SMDH 00671	813560.91	8195463.81	163.64	10.0	11.0	80.0	5754.3	3.2	16.3	1520.6	57.8	779.3	87.2	251.1	159.8	259.9	281.4	2.9	11.9	1.2	547.2	584.3	531.2	16.0
SMDH 00671	813560.91	8195463.81	163.64	11.0	12.0	80.0	5939.0	3.3	16.9	1634.6	60.6	676.1	88.9	255.9	162.9	264.9	286.8	2.9	12.5	1.1	584.0	622.8	567.2	16.8
SMDH 00671	813560.91	8195463.81	163.64	12.0	12.8	80.0	6394.2	3.4	17.2	1917.7	71.8	888.4	98.1	282.5	179.8	292.4	316.6	3.0	12.6	1.2	724.7	769.4	704.0	20.7
SMDH 00671	813560.91	8195463.81	163.64	12.8	13.0	80.0	6394.2	3.4	17.2	1917.7	71.8	888.4	98.1	282.5	179.8	292.4	316.6	3.0	12.6	1.2	724.7	769.4	704.0	20.7
SMDH 00672	813867.56	8195443.69	164.84	0.0	1.0	0.0																		
SMDH 00672	813867.56	8195443.69	164.84	1.0	2.0	60.0	4270.8	2.5	15.9	457.3	33.0	735.0	94.0	270.7	172.3	280.2	303.4	2.3	12.9	0.5	248.6	269.0	238.9	9.7
SMDH 00672	813867.56	8195443.69	164.84	2.0	3.0	80.0	4240.1	2.2	12.9	998.5	42.4	706.2	81.3	234.2	149.1	242.4	262.5	2.0	9.9	0.8	425.5	451.8	413.4	12.1
SMDH 00672	813867.56	8195443.69	164.84	3.0	4.0	80.0	5352.4	2.9	16.2	1157.9	52.4	1138.8	95.8	276.0	175.7	285.7	309.3	2.6	12.3	1.0	462.6	494.7	447.3	15.3
SMDH 00672	813867.56	8195443.69	164.84	4.0	5.0	80.0	6526.8	3.7	15.9	2221.0	67.3	733.8	96.3	277.5	176.6	287.1	310.9	3.3	11.2	1.0	743.2	783.2	723.1	20.2
SMDH 00672	813867.56	8195443.69	164.84	5.0	6.0	80.0	5852.8	3.5	15.9	1687.7	58.3	490.1	85.8	247.1	157.3	255.7	276.9	3.1	11.3	1.1	456.3	492.0	438.8	17.5
SMDH 00672	813867.56	8195443.69	164.84	6.0	7.0	80.0	6347.9	3.9	11.6	2770.0	22.7	459.1	57.4	165.4	105.3	171.2	185.3	3.6	6.7	1.0	242.3	255.9	235.8	6.6
SMDH 00672	813867.56	8195443.69	164.84	7.0	8.0	80.0	4910.2	2.8	13.0	1501.2	22.4	459.5	76.7	221.0	140.7	228.7	247.7	2.5	9.0	1.2	333.8	346.9	327.4	6.4
SMDH 00672	813867.56	8195443.69	164.84	8.0	9.0	80.0	6119.5	3.3	15.3	2025.8	85.3	751.0	88.8	255.6	162.7	264.6	286.5	2.9	10.9	1.2	653.0	707.1	628.5	24.6
SMDH 00672	813867.56	8195443.69	164.84	9.0	10.0	80.0	6222.8	3.5	16.4	1894.3	54.9	772.9	91.1	262.4	167.1	271.6	294.1	3.1	11.8	1.1	498.3	532.4	482.1	16.2
SMDH 00672	813867.56	8195443.69	164.84	10.0	10.7	80.0	5883.4	3.2	16.2	1662.1	65.4	790.6	93.5	269.4	171.5	278.8	301.9	2.9	11.9	1.1	562.3	602.8	542.9	19.4
SMDH 00672	813867.56	8195443.69	164.84	10.7	11.0	80.0	5883.4	3.2	16.2	1662.1	65.4	790.6	93.5	269.4	171.5	278.8	301.9	2.9	11.9	1.1	562.3	602.8	542.9	19.4
SMDH 00673	814130.41	8195459.81	166.53	0.0	1.0	20.0	4198.3	2.4	14.6	594.0	46.9	775.2	99.3	285.9	182.0	295.9	320.4	2.1	11.6	0.7	293.1	321.5	278.8	14.3
SMDH 00673	814130.41	8195459.81	166.53	1.0	2.0	40.0	4045.5	2.3	13.8	664.0	39.3	616.7	89.7	258.2	164.4	267.3	289.4	2.0	10.8	0.7	279.5	304.0	268.2	11.3
SMDH 00673	814130.41	8195459.81	166.53	2.0	3.0	80.0	5397.8	3.2	15.0	1455.8	48.0	608.4	70.4	202.9	129.1	209.9	227.3	2.9	10.8	1.0	380.3	409.5	365.9	14.4
SMDH 00673	814130.41	8195459.81	166.53	3.0	4.0	80.0	5714.7	3.7	14.7	1691.5	32.8	434.8	62.9	181.0	115.2	187.4	202.9	3.4	10.0	1.0	212.2	231.9	202.6	9.7
SMDH 00673	814130.41	8195459.81	166.53	4.0	5.0	80.0	6278.0	4.1	15.2	2044.3	42.3	447.8	61.7	177.7	113.1	183.9	199.2	3.7	10.1	1.0	240.4	262.0	224.8	15.6
SMDH 00673	814130.41	8195459.81	166.53	5.0	6.0	80.0	6222.2	3.9	15.9	1876.7	17.7	605.8	82.6	237.9	151.4	246.2	266.6	3.6	10.8	1.1	152.3	162.4	147.1	5.2
SMDH 00673	814130.41	8195459.81	166.53	6.0	7.0	80.0	6511.3	4.1	17.4	1948.3	24.9	378.7	73.2	210.9	134.2	218.3	236.3	3.8	12.2	1.1	237.3	252.0	230.0	7.2
SMDH 00674	814416.24	8195459.46	171.09	0.0	1.0	20.0	4655.0	2.6	17.8	492.6	34.5	590.4	169.3	487.6	310.4	504.7	546.5	2.2	14.4	0.8	229.1	250.9	219.2	9.9
SMDH 00674	814416.24	8195459.46	171.09	1.0	2.0	80.0	5498.4	2.9	21.8	481.6	41.8	712.5	186.9	538.2	342.6	557.0	603.2	2.6	17.7	1.1	270.2	296.0	257.5	12.7
SMDH 00674	814416.24	8195459.46	171.09	2.0	3.0	80.0	5691.6	3.1	19.2	1007.7	48.2	774.0	157.0	452.2	287.9	468.0	506.8	2.8	15.0	1.1	409.5	438.6	394.7	14.8
SMDH 00674	814416.24	8195459.46	171.09	3.0	4.0	80.0	5366.9	3.2	14.2	1638.3	43.7	372.4	62.1	178.9	113.9	185.1	200.4	2.9	9.9	1.1	286.3	313.2	273.4	12.9
SMDH 00674	814416.24	8195459.46	171.09	4.0	5.0	80.0	6912.7	4.2	16.3	2453.8	52.2	401.7	69.7	200.7	127.7	207.7	224.9	3.9	11.0	1.1	297.7	330.9	282.8	14.9
SMDH 00674	814416.24	8195459.46	171.09	5.0	6.0	80.0	6926.4	4.3	18.1	2095.7	42.8	589.6	79.5	228.9	145.7	236.9	256.5	3.9	12.6	1.1	232.9	259.7	220.5	12.4
SMDH 00674	814416.24	8195459.46	171.09	6.0	7.0	80.0	6177.9	3.8	15.2	2019.1	45.9	555.7	73.9	212.7	135.4	220.2	238.4	3.4	10.4	1.1	252.2	281.5	239.4	12.8
SMDH 00674	814416.24	8195459.46	171.09	7.0	8.0	80.0	3475.0	1.8	9.5	1039.2	47.4	328.7	44.1	127.0	80.9	131.5	142.4	1.6	6.6	1.1	253.6	283.2	239.9	13.7
SMDH 00674	814416.24	8195459.46	171.09	8.0	9.0	80.0	3879.1	2.3	8.3	1470.7	36.4	310.2	40.9	117.9	75.1	122.0	132.1	2.1	5.0	1.0	142.1	165.1	131.3	10.8
SMDH 00675	814693.86	8195459.83	175.10	0.0	1.0	50.0	5780.2	3.0	22.0	644.7	39.4	1159.5	101.5	292.5	186.2	302.7	327.8	2.7	17.8	1.2	334.8	358.6	322.6	12.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00675	814693.86	8195459.83	175.10	1.0	2.0	80.0	7039.3	4.6	28.1	454.0	29.7	519.3	88.8	255.9	162.9	264.8	286.8	4.4	22.0	1.5	237.9	255.6	228.7	9.1
SMDH 00675	814693.86	8195459.83	175.10	2.0	3.0	80.0	6020.4	3.1	25.0	545.7	55.0	364.1	104.5	301.0	191.6	311.5	337.4	2.9	20.3	1.5	254.5	288.8	237.7	16.8
SMDH 00675	814693.86	8195459.83	175.10	3.0	4.0	80.0	5220.6	3.0	16.8	1149.3	58.4	349.4	67.7	195.1	124.2	201.9	218.6	2.7	12.7	1.1	240.9	280.3	226.3	14.6
SMDH 00675	814693.86	8195459.83	175.10	4.0	5.0	80.0	3639.0	2.1	14.0	427.9	28.7	258.5	48.8	140.6	89.5	145.5	157.6	2.0	11.0	0.8	125.9	143.9	117.5	8.4
SMDH 00675	814693.86	8195459.83	175.10	5.0	6.0	80.0	5269.6	3.1	14.6	1422.7	41.2	652.6	78.9	227.2	144.6	235.1	254.6	2.8	10.4	1.1	216.6	242.6	205.0	11.7
SMDH 00675	814693.86	8195459.83	175.10	6.0	7.0	80.0	3593.4	2.0	13.3	443.4	25.6	430.6	58.9	169.5	107.9	175.4	190.0	1.9	10.2	1.1	111.3	127.2	103.7	7.6
SMDH 00675	814693.86	8195459.83	175.10	7.0	8.0	80.0	5251.5	3.1	13.8	1560.0	27.3	631.3	58.7	169.2	107.7	175.1	189.6	2.8	9.6	1.1	101.9	120.0	94.8	7.1
SMDH 00675	814693.86	8195459.83	175.10	8.0	9.0	80.0	6027.0	3.6	13.2	2270.9	41.9	496.9	63.3	182.2	116.0	188.6	204.2	3.2	8.5	1.2	256.2	283.3	245.0	11.3
SMDH 00675	814693.86	8195459.83	175.10	9.0	10.0	80.0	5923.7	3.4	14.8	1931.0	38.6	604.2	86.3	248.7	158.3	257.3	278.7	3.0	10.2	1.2	281.8	306.5	271.4	10.4
SMDH 00675	814693.86	8195459.83	175.10	10.0	10.5	80.0	6327.1	3.7	16.9	1924.7	41.3	556.7	79.0	227.4	144.7	235.3	254.8	3.3	12.1	1.2	277.2	303.4	265.8	11.4
SMDH 00675	814693.86	8195459.83	175.10	10.5	11.0	80.0	6327.1	3.7	16.9	1924.7	41.3	556.7	79.0	227.4	144.7	235.3	254.8	3.3	12.1	1.2	277.2	303.4	265.8	11.4
SMDH 00675	814693.86	8195459.83	175.10	11.0	12.0	80.0	6565.0	3.8	17.4	2040.0	46.9	463.3	80.0	230.3	146.6	238.3	258.1	3.5	12.4	1.2	274.0	303.8	260.7	13.3
SMDH 00676	814979.79	8195474.37	169.28	0.0	1.0	20.0	4000.9	2.0	15.3	479.3	31.0	854.4	59.7	171.8	109.4	177.8	192.6	1.8	12.7	0.5	280.8	299.3	270.8	10.0
SMDH 00676	814979.79	8195474.37	169.28	1.0	2.0	80.0	5207.5	2.7	17.3	920.6	51.7	1170.7	89.7	258.2	164.4	267.3	289.4	2.4	13.7	1.0	442.5	473.9	426.5	16.0
SMDH 00676	814979.79	8195474.37	169.28	2.0	3.0	80.0	5502.8	3.0	14.5	1721.2	60.4	546.6	80.7	232.3	147.9	240.4	260.3	2.7	10.2	1.3	638.3	676.3	621.5	16.8
SMDH 00676	814979.79	8195474.37	169.28	3.0	4.0	80.0	5569.4	3.3	14.9	1627.6	50.9	451.4	80.6	232.2	147.8	240.3	260.2	3.0	10.4	1.2	424.1	455.5	409.2	14.9
SMDH 00676	814979.79	8195474.37	169.28	4.0	5.0	80.0	7876.1	5.2	19.6	2400.4	59.2	674.9	86.3	248.4	158.1	257.1	278.4	4.8	13.4	1.1	382.5	419.8	365.8	16.8
SMDH 00676	814979.79	8195474.37	169.28	5.0	6.0	80.0	6144.5	3.6	15.8	1897.3	54.8	674.4	81.8	235.7	150.0	243.9	264.1	3.2	11.0	1.2	548.6	581.9	532.3	16.2
SMDH 00676	814979.79	8195474.37	169.28	6.0	7.0	80.0	6062.0	3.6	15.0	1937.2	58.6	691.5	71.7	206.5	131.5	213.7	231.4	3.2	10.3	1.1	480.7	517.6	464.3	16.4
SMDH 00676	814979.79	8195474.37	169.28	7.0	8.0	80.0	6614.3	4.0	16.3	2124.7	53.0	703.0	80.8	232.8	148.2	240.9	260.9	3.6	11.2	1.1	378.6	411.8	363.4	15.2
SMDH 00676	814979.79	8195474.37	169.28	8.0	9.0	80.0	6232.8	3.6	16.8	1770.2	57.4	811.3	91.9	264.8	168.6	274.0	296.8	3.2	12.1	1.2	499.5	535.5	483.3	16.2
SMDH 00676	814979.79	8195474.37	169.28	9.0	10.0	80.0	6498.5	3.8	17.7	1831.6	66.2	688.9	94.1	270.9	172.5	280.4	303.6	3.5	12.7	1.2	448.3	490.1	429.8	18.6
SMDH 00676	814979.79	8195474.37	169.28	10.0	11.0	80.0	6253.7	3.7	16.0	1949.0	58.2	696.6	82.2	236.6	150.6	244.9	265.2	3.3	11.2	1.1	450.4	487.6	434.3	16.1
SMDH 00676	814979.79	8195474.37	169.28	11.0	12.0	80.0	6888.2	4.2	15.5	2492.2	38.3	602.9	81.2	233.9	148.9	242.1	262.2	3.8	10.2	1.1	332.7	356.8	322.2	10.5
SMDH 00676	814979.79	8195474.37	169.28	12.0	12.1	80.0	7287.6	4.6	18.0	2321.0	18.1	596.0	105.9	305.1	194.2	315.7	341.9	4.2	12.2	1.2	181.3	192.0	176.2	5.1
SMDH 00677	815251.39	8195465.77	171.49	0.0	1.0	30.0	5681.5	2.6	21.1	826.5	46.6	1248.9	79.2	228.2	145.2	236.1	255.7	2.3	17.3	1.2	504.4	532.6	490.4	14.0
SMDH 00677	815251.39	8195465.77	171.49	1.0	2.0	80.0	4685.3	2.3	16.9	689.8	57.7	646.3	102.7	295.7	188.2	306.0	331.4	2.1	12.9	1.7	395.0	430.6	377.3	17.7
SMDH 00677	815251.39	8195465.77	171.49	2.0	3.0	80.0	5000.3	2.9	18.1	622.4	37.1	474.0	99.6	286.7	182.5	296.7	321.3	2.7	13.6	1.6	198.7	222.9	188.4	10.3
SMDH 00677	815251.39	8195465.77	171.49	3.0	4.0	80.0	6229.8	3.8	18.0	1562.6	26.8	468.1	93.6	269.6	171.6	279.0	302.1	3.5	12.6	1.5	197.4	214.2	189.5	7.9
SMDH 00677	815251.39	8195465.77	171.49	4.0	5.0	80.0	7000.8	4.3	16.0	2518.4	49.4	479.9	71.1	204.9	130.4	212.0	229.6	3.9	10.5	1.2	342.4	373.7	328.3	14.2
SMDH 00677	815251.39	8195465.77	171.49	5.0	6.0	80.0	6538.6	4.1	19.8	1526.7	38.8	415.3	89.6	258.0	164.2	267.0	289.1	3.7	14.2	1.5	292.9	317.6	281.6	11.3
SMDH 00677	815251.39	8195465.77	171.49	6.0	7.0	80.0	7000.5	4.3	18.6	2093.4	49.7	473.3	83.2	239.6	152.5	248.0	268.5	3.9	13.0	1.3	392.8	424.4	378.8	14.0
SMDH 00677	815251.39	8195465.77	171.49	7.0	8.0	80.0	5741.9	3.3	18.7	1190.8	51.8	529.3	89.1	256.7	163.4	265.7	287.7	3.0	14.1	1.3	462.5	494.7	447.4	15.1
SMDH 00677	815251.39	8195465.77	171.49	8.0	9.0	80.0	5846.1	3.4	19.3	1101.5	54.7	611.3	93.4	269.1	171.3	278.5	301.6	3.1	14.4	1.5	428.1	462.6	412.3	15.8
SMDH 00678	815534.51	8195467.46	169.46	0.0	1.0	50.0	2888.7	1.6	9.4	488.2	31.8	693.9	50.3	144.9	92.2	149.9	162.4	1.4	7.3	0.6	211.1	230.6	201.4	9.7
SMDH 00678	815534.51	8195467.46	169.46	1.0	2.0	50.0	2690.6	1.4	8.8	451.4	31.2	666.1	45.3	130.3	83.0	134.9	146.1	1.3	6.8	0.5	202.9	222.2	193.7	9.1
SMDH 00678	815534.51	8195467.46	169.46	2.0	3.0	80.0	3311.7	1.8	11.2	546.4	38.3	670.5	60.6	174.4	111.0	180.5	195.5	1.6	8.7	0.7	284.3	308.2	272.7	11.5
SMDH 00678	815534.51	8195467.46	169.46	3.0	4.0	80.0	4021.2	2.4	13.1	805.4	40.1	364.3	59.6	171.8	109.3	177.8	192.5	2.2	9.9	0.9	256.9	282.5	245.6	11.2
SMDH 00678	815534.51	8195467.46	169.46	4.0	5.0	80.0	5290.1	3.3	15.8	1205.3	48.0	460.1	77.0	221.8	141.2	229.5	248.5	3.0	11.4	1.2	273.5	303.8	260.0	13.5
SMDH 00678	815534.51	8195467.46	169.46	5.0	6.0	80.0	7005.1	4.8	16.1	2234.4	60.0	744.8	70.9	204.2	130.0	211.3	228.9	4.4	10.3	1.0	340.5	377.8	323.2	17.3
SMDH 00678	815534.51	8195467.46	169.46	6.0	7.0	80.0	6756.7	4.5	16.2	2122.1	58.5	485.2	78.6	226.3	144.0	234.2	253.6	4.2	10.6	1.1	313.4	350.1	297.0	16.3
SMDH 00678	815534.51	8195467.46	169.46	7.0	8.0	80.0	4675.3	2.9	13.2	1074.3	8.1	718.7	78.9	227.3	144.7	235.2	254.7	2.6	9.0	1.3	42.1	46.4	39.8	2.2
SMDH 00678	815534.51	8195467.46	169.46	8.0	9.0	80.0	4432.0	2.7	12.9	967.6	12.3	613.8	81.9	235.8	150.1	244.1	264.3	2.5	8.8	1.4	50.9	58.1	47.6	3.4
SMDH 00678	815534.51	8195467.46	169.46	9.0	10.0	80.0	4784.0	3.0	15.2	814.0	14.0	727.6	101.0	290.9	185.2	301.1	326.0	2.7	11.0	1.2	43.3	51.6	39.4	3.9
SMDH 00678	815534.51	8195467.46	169.46	10.0	11.0	80.0	5420.1	3.5	17.6	819.4	52.8	819.2	104.1	299.7	190.8	310.2	335.9	3.2	12.9	1.2	80.3	114.4	65.7	14.7
SMDH 00679	815813.43	8195448.98	169.15	0.0	1.0	20.0	4606.9	2.5	15.8	647.8	54.3	979.9	97.3	280.1	178.3	289.9	313.9	2.3	12.2	1.1	296.2	330.8	280.5	15.7
SMDH 00679	815813.43	8195448.98	169.15	1.0	2.0	60.0	5359.2	3.0	19.0	700.5	61.9	924.5	115.9	333.8	212.5	345.5	374.1	2.7	14.8	1.2	356.1	394.7	337.7	18.4
SMDH 00679	815813.43	8195448.98	169.15	2.0	3.0	80.0	5556.8	3.2	18.6	912.5	59.5	948.4	105.9	304.9	194.1	315.6	341.7	2.8	14.2	1.2	302.7	340.2	285.4	17.3
SMDH 00679	815813.43	8195448.98	169.15	3.0	4.0	80.0	5893.9	3.2	19.1	1017.3	73.9	1266.3	115.2	331.7	211.1	343.2	371.7	2.9	14.6	1.2	423.1	469.9	402.0	21.2
SMDH 00679	815813.43	8195448.98	169.15	4.0	5.0	80.0	5055.8	2.4	13.2	1334.9	64.7	1983.6	74.1	213.3	135.8	220.8	239.1	1.9	10.1	0.8	696.6	736.4	677.4	19.2
SMDH 00679	815813.43	8195448.98	169.15	5.0	6.0	80.0	3762.0	2.1	12.3	734.2	36.0	576.4	46.2	133.1	84.7	137.8	149.2	1.9	9.5	0.7	336.1	357.5	324.5	11.6
SMDH 00679	815813.43	8195448.98	169.15	6.0	7.0	80.0	6493.4	4.4	19.7	1439.9	33.6	398.7	62.6	180.4	114.8	186.7	202.2	4.1	14.4	1.0	172.5	194.1	163.3	9.2
SMDH 00679	815813.43	8195448.98	169.15	7.0	8.0	80.0	10107.3	7.3	29.5	2441.8	33.9	171.6	76.2	219.5	139.7	227.1	246.0	6.9	21.1	1.1	72.0	94.6	63.6	8.4
SMDH 00679	815813.43	8195448.98	169.15	8.0	9.0	80.0	4918.7	2.8	16.2	974.1	33.2	503.8	75.0	216.1	137.6	223.6	242.2	2.5	12.1	1.3	318.4	339.1	309.1	9.3
SMDH 00679	815813.43	8195448.98	169.15	9.0	10.0	80.0	5492.4	3.1	17.8	1124.2	31.4	540.0	89.5	257.9	164.2	266.9	289.0	2.9	13.2	1.5	293.9	313.3	284.9	9.0
SMDH 00679	815813.43	8195448.98	169.15	10.0	11.0	80.0	6547.5	3.9	22.0	1133.6	38.6	768.0	95.5	275.1	175.1	284.7	308.3	3.6	16.6	1.4	327.2	350.6	315.7	11.5
SMDH 00679	815813.43	8195448.98	169.15	11.0	12.0	80.0	4303.9	2.4	13.9	862.6	22.5	537.2	71.7	206.5	131.5	213.7	231.4	2.1	10.2	1.4	238.6	252.1	232.3	6.3
SMDH 00679	815813.43	8195448.98	169.15	12.0	13.0	80.0	4338.1	2.4	14.5	742.6	46.2	689.0	87.3	251.4	160.1	260.2	281.8	2.1	10.9	1.3	326.3	355.5	313.0	13.3
SMDH 00679	815813.43	8195448.98	169.15	13.0	14.0	80.0	4215.6	2.2	14.2	764.8	54.7	661.8	85.0	244.9	155.9	253.5	274.5	1.9	10.8	1.2	392.6	427.2	376.7	15.9
SMDH 00679	815813.43	8195448.98	169.15	14.0	15.0	80.0	4375.5	2.3	15.4	631.5	59.2	669.3	93.9	270.5	172.2	280.0	303.2	2.0	11.7	1.4	321.0	358.3	303.7	17.3
SMDH 00679	815813.43	8195448.98	169.15	15.0	16.0	80.0	4116.6	2.4	11.2	1056.9	12.7	589.0	73.6	211.9	134.9	219.3	237.5	2.1	7.2	1.7	92.5	99.7	89.0	3.5
SMDH 00679	815813.43	8195448.98	169.15	16.0	17.0	80.0	5999.8	2.9	16.1	782.5	25.5	4534.5	105.5	304.0	193.5	314.6	340.7	2.2	11.8	1.4	360.4	375.6	353.0	7.4
SMDH 00679	815813.43	8195448.98	169.15	17.0	18.0	80.0	4297.5	2.2	14.9	640.4	43.3	829.8	87.6	252.4	160.7	261.2	282.8	2.0	11.4	1.2	351.4	377.7	338.2	13.2
SMDH 00679	815813.43	8195448.98	169.15	18.0	19.0	80.0	3781.4	1.9	13.1	572.3	51.9	672.0	76.2	219.3	139.6	227.0	245.8	1.7	9.9	1.3	290.0	323.3	275.7	14.4
SMDH 00679	815813.43	8195448.98	169.15	19.0	20.0	80.0	3819.7	2.0	13.1	604.3	59.3	619.8	75.8	218.4	139.0	226.0	244.8	1.8	9.8	1.3	316.8	354.7	300.4	16.3
SMDH 00679	815813.43	8195448.98	169.15	20.0	21.0	80.0	3528.0	1.8	10.9	792.8	57.7	517.8	55.3	159.4	101.5	165.0	178.7	1.5	8.0	1.2	403.1	438.9	386.2	16.9
SMDH 00679	815813.43	8195448.98	169.15	21.0	22.0	80.0	3742.1	1.9	13.0	577.4	48.0	587.2	70.0	201.6	128.3	208.7	225.9	1.7	9.6	1.4	292.6	322.3	278.4	14.1
SMDH 00679	815813.43	8195448.98	169.15	22.0	23.0	80.0	3742.7	1.9	13.4	523.2	45.8	508.5	74.5	214.6	136.6	222.1	240.5	1.7	10.1	1.4	264.3	292.9	251.0	13.3
SMDH 00679	815813.43	8195448.98	169.15	23.0	24.0	80.0	3600.7	1.9	12.2	574.6	52.5	615.8	73.0	210.1	133.8	217.5	235.5	1.6	9.1	1.2	297.4	330.9	282.5	14.9
SMDH 00679	815813.43	8195448.98	169.15	24.0	25.0	80.0	4009.3	2.1	13.7	617.7	49.9	747.8	79.6	229.3	145.9	237.3	256.9	1.9	10.3	1.3	322.2	353.9	308.0	14.2
SMDH 00679	815813.43	8195448.98	169.15	25.0	26.0	80.0	4129.1	2.1	14.0	703.7	55.8	649.2	85.2	245.5	156.3	254.0	275.1	1.9	10.6	1.4	401.4	436.5	385.2	16.2
SMDH 00680	816098.88	8195456.05	168.79	0.0	1.0	30.0	5200.1	2.7	16.5	1095.9	47.2	1084.4	77.4	223.0	141.9	230.7	249.9	2.4	12.9	0.9	389.7	418.7	375.8	13.9
SMDH 00680	816098.88	8195456.05	168.79	1.0	2.0	80.0	6547.5	4.1	17.0	1889.5	68.8	717.2	77.0	221.7	141.1	229.4	248.4	3.7	11.8	1.1	445.8	488.2	425.5	20.3
SMDH 00680	816098.88	8195456.05	168.79	2.0	3.0	80.0	4755.1	2.9	12.2	1444.3	27.5	353.0	62.1	178.9	113.9	185.1	200.4	2.6	8.0	1.4	248.7	265.6	241.2	7.5
SMDH 00680	816098.88	8195456.05	168.79	3.0	4.0	80.0	5782.3	3.7	15.2	1621.7	44.3	512.9	72.7	209.4	133.3	216.7	234.7	3.4	10.3	1.2	278.7	306.2	266.2	12.4
SMDH 00680	816098.88	8195456.05	168.79	4.0	5.0	80.0	5209.3	3.2	14.7	1298.1	36.1	579.7	74.2	213.7	136.1	221.2	239.5	2.9	10.2	1.3	283.2	305.1	272.7	10.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00680	816098.88	8195456.05	168.79	5.0	6.0	80.0	5973.5	3.7	16.2	1615.1	43.0	666.5	84.4	243.1	154.7	251.5	272.4	3.4	11.4	1.2	385.8	411.7	373.7	12.2
SMDH 00680	816098.88	8195456.05	168.79	6.0	7.0	80.0	6416.3	3.7	18.6	1652.7	84.3	621.3	80.1	230.8	146.9	238.9	258.7	3.4	13.7	1.2	586.0	637.3	560.7	25.3
SMDH 00680	816098.88	8195456.05	168.79	7.0	8.0	80.0	6121.5	3.5	19.5	1276.3	79.4	651.3	89.5	257.9	164.2	266.9	289.0	3.2	14.7	1.3	523.8	573.1	501.0	22.8
SMDH 00680	816098.88	8195456.05	168.79	8.0	9.0	80.0	6234.9	3.4	18.9	1542.1	88.8	580.2	89.9	258.9	164.8	267.9	290.1	3.1	14.1	1.3	672.3	726.9	646.5	25.9
SMDH 00680	816098.88	8195456.05	168.79	9.0	10.0	80.0	6825.7	3.9	20.6	1661.5	134.6	475.9	72.2	208.1	132.4	215.3	233.2	3.6	15.3	1.4	654.7	738.1	614.7	40.0
SMDH 00680	816098.88	8195456.05	168.79	10.0	11.0	80.0	5298.9	2.9	15.8	1300.5	62.2	557.9	80.7	232.4	147.9	240.5	260.5	2.7	11.6	1.3	477.4	512.3	457.0	20.4
SMDH 00664	815954.64	8195181.87	167.84	0.0	1.0	70.0	6656.2	4.0	24.9	714.5	70.4	636.9	148.8	428.6	272.8	443.6	480.3	3.7	19.3	1.6	313.1	357.5	292.3	20.8
SMDH 00664	815954.64	8195181.87	167.84	1.0	2.0	80.0	5405.1	3.0	19.1	679.1	66.3	1084.4	114.3	329.1	209.5	340.6	368.8	2.7	14.9	1.2	321.9	364.1	302.8	19.1
SMDH 00664	815954.64	8195181.87	167.84	2.0	3.0	80.0	5099.5	2.9	17.5	736.3	67.2	900.7	112.9	325.0	206.9	336.4	364.3	2.6	13.5	1.1	336.9	379.6	317.4	19.5
SMDH 00664	815954.64	8195181.87	167.84	3.0	4.0	80.0	5238.4	2.9	17.0	951.5	65.5	861.8	97.9	281.9	179.4	291.7	315.9	2.6	12.9	1.2	457.6	498.3	438.3	19.3
SMDH 00664	815954.64	8195181.87	167.84	4.0	5.0	80.0	5365.0	3.5	14.3	1429.3	30.9	517.0	79.2	228.2	145.3	236.2	255.8	3.2	9.6	1.2	151.7	170.8	143.2	8.5
SMDH 00664	815954.64	8195181.87	167.84	5.0	6.0	80.0	4350.1	2.8	10.4	1334.7	16.5	452.8	50.5	145.4	92.6	150.5	163.0	2.6	6.3	1.3	77.1	87.3	73.1	4.0
SMDH 00664	815954.64	8195181.87	167.84	6.0	7.0	80.0	4897.8	3.4	11.9	1396.8	26.3	633.7	54.0	155.6	99.1	161.1	174.4	3.1	7.6	0.9	114.9	130.9	107.3	7.6
SMDH 00664	815954.64	8195181.87	167.84	7.0	8.0	80.0	5336.3	3.1	15.4	1360.5	65.6	425.6	79.2	228.2	145.2	236.1	255.7	2.8	10.8	1.4	370.7	412.2	351.9	18.8
SMDH 00664	815954.64	8195181.87	167.84	8.0	9.0	80.0	4734.0	2.7	13.5	1195.3	62.4	535.8	67.9	195.5	124.4	202.3	219.1	2.4	9.5	1.3	332.4	371.7	314.2	18.2
SMDH 00664	815954.64	8195181.87	167.84	9.0	10.0	80.0	3642.3	2.1	11.0	780.1	39.4	586.0	50.8	146.2	93.1	151.3	163.9	1.9	8.0	0.8	216.0	240.6	204.6	11.4
SMDH 00663	815688.42	8195186.92	168.10	0.0	1.0	10.0	4895.3	2.8	17.3	622.3	56.0	874.7	109.6	315.6	200.9	326.6	353.7	2.5	13.4	1.1	280.1	315.4	263.7	16.4
SMDH 00663	815688.42	8195186.92	168.10	1.0	2.0	80.0	3346.2	1.8	10.4	594.7	42.4	970.3	60.4	174.0	110.7	180.0	194.9	1.6	7.9	0.6	296.6	322.8	284.0	12.5
SMDH 00663	815688.42	8195186.92	168.10	2.0	3.0	80.0	3071.7	1.7	10.2	555.4	32.5	549.2	37.8	108.8	69.3	112.6	121.9	1.6	7.9	0.5	277.6	297.9	268.2	9.4
SMDH 00663	815688.42	8195186.92	168.10	3.0	4.0	80.0	4307.0	2.3	14.2	742.6	59.4	1017.3	77.0	221.8	141.2	229.5	248.5	2.0	11.0	0.8	412.9	450.7	396.0	16.9
SMDH 00663	815688.42	8195186.92	168.10	4.0	5.0	80.0	3393.6	1.7	10.6	625.3	41.3	1051.3	58.5	168.5	107.2	174.3	188.8	1.5	8.2	0.6	355.7	381.5	343.6	12.1
SMDH 00663	815688.42	8195186.92	168.10	5.0	6.0	80.0	3994.6	2.1	12.8	902.6	46.0	646.4	47.6	137.2	87.3	142.0	153.7	1.8	10.1	0.6	484.6	512.5	470.9	13.7
SMDH 00663	815688.42	8195186.92	168.10	6.0	7.0	80.0	4578.5	2.7	17.8	519.2	33.9	323.2	51.5	148.2	94.3	153.4	166.1	2.5	14.3	0.8	214.8	235.8	204.8	10.0
SMDH 00663	815688.42	8195186.92	168.10	7.0	8.0	80.0	3522.4	2.1	13.5	434.0	25.7	240.5	43.8	126.0	80.2	130.4	141.2	1.9	10.6	0.8	148.4	164.8	141.3	7.0
SMDH 00663	815688.42	8195186.92	168.10	8.0	8.5	80.0	5975.0	2.8	15.0	2254.9	82.5	656.1	55.4	159.6	101.6	165.2	178.8	2.4	11.5	0.7	1180.7	1230.0	1155.6	25.1
SMDH 00663	815688.42	8195186.92	168.10	8.5	9.0	80.0	5975.0	2.8	15.0	2254.9	82.5	656.1	55.4	159.6	101.6	165.2	178.8	2.4	11.5	0.7	1180.7	1230.0	1155.6	25.1
SMDH 00662	815397.19	8195201.52	169.19	0.0	1.0	20.0	4712.6	2.6	15.9	823.0	42.2	713.3	84.6	243.7	155.1	252.2	273.1	2.4	12.4	0.9	303.0	329.3	290.7	12.4
SMDH 00662	815397.19	8195201.52	169.19	1.0	2.0	40.0	10359.8	7.0	24.4	3649.1	33.2	167.8	78.5	226.1	144.0	234.0	253.4	6.5	16.5	0.9	102.9	125.1	94.5	8.3
SMDH 00662	815397.19	8195201.52	169.19	2.0	3.0	80.0	13614.6	9.5	25.4	5876.5	20.8	137.9	66.3	190.9	121.5	197.6	214.0	8.8	15.2	0.7	56.6	70.1	51.1	5.6
SMDH 00662	815397.19	8195201.52	169.19	3.0	3.2	80.0	13102.2	9.2	32.1	4355.5	32.1	104.4	97.5	280.9	178.8	290.7	314.8	8.6	22.0	1.0	81.9	102.6	73.2	8.7
SMDH 00662	815397.19	8195201.52	169.19	3.2	4.0	80.0	13102.2	9.2	32.1	4355.5	32.1	104.4	97.5	280.9	178.8	290.7	314.8	8.6	22.0	1.0	81.9	102.6	73.2	8.7
SMDH 00661	815112.37	8195181.88	167.62	0.0	1.0	10.0	5809.2	3.0	21.0	860.1	46.9	1134.3	78.0	224.7	143.0	232.5	251.8	2.7	17.1	0.9	444.6	472.4	429.5	15.1
SMDH 00661	815112.37	8195181.88	167.62	1.0	2.0	50.0	5416.9	2.8	18.1	1017.0	53.2	1042.0	81.1	233.7	148.7	241.8	261.8	2.5	14.3	1.1	457.7	490.1	441.6	16.1
SMDH 00661	815112.37	8195181.88	167.62	2.0	3.0	80.0	5643.4	3.5	13.0	1992.1	20.8	349.6	69.8	201.1	128.0	208.1	225.4	3.2	8.2	1.3	377.0	388.8	371.1	5.9
SMDH 00661	815112.37	8195181.88	167.62	3.0	4.0	80.0	5489.5	3.3	12.0	2072.7	15.0	449.3	57.0	164.3	104.6	170.0	184.1	3.0	7.5	1.2	375.2	383.3	371.2	4.0
SMDH 00660	814839.41	8195188.72	171.78	0.0	1.0	50.0	7478.4	5.6	28.4	455.6	27.6	791.1	61.3	176.7	112.5	182.8	198.0	5.4	22.0	0.8	247.8	263.9	238.8	9.0
SMDH 00660	814839.41	8195188.72	171.78	1.0	2.0	60.0	5273.0	2.6	21.5	506.8	38.1	563.1	72.8	209.5	133.4	216.9	234.8	2.4	17.1	1.7	262.8	285.8	251.0	11.9
SMDH 00660	814839.41	8195188.72	171.78	2.0	3.0	80.0	5424.2	3.0	13.6	1769.6	72.4	604.7	52.7	151.8	96.6	157.1	170.1	2.7	9.5	1.2	342.8	391.8	324.8	18.0
SMDH 00660	814839.41	8195188.72	171.78	3.0	4.0	80.0	7798.5	4.9	13.5	3622.8	26.9	307.0	48.2	138.7	88.3	143.6	155.5	4.4	7.6	1.0	214.9	231.5	207.4	7.5
SMDH 00660	814839.41	8195188.72	171.78	4.0	5.0	80.0	6064.5	3.7	12.8	2453.2	19.5	279.4	49.7	143.2	91.1	148.2	160.4	3.3	8.0	1.1	245.3	256.9	239.9	5.4
SMDH 00660	814839.41	8195188.72	171.78	5.0	6.0	80.0	8133.3	5.2	15.3	3572.9	20.6	300.5	50.8	146.4	93.2	151.5	164.1	4.7	9.1	1.0	180.9	193.7	175.3	5.6
SMDH 00659	814554.71	8195187.09	174.96	0.0	1.0	20.0	6924.8	4.2	27.4	534.6	34.3	979.4	95.6	275.3	175.3	284.9	308.5	3.9	22.0	1.2	286.3	306.8	275.6	10.7
SMDH 00659	814554.71	8195187.09	174.96	1.0	2.0	80.0	5709.6	3.0	23.3	447.2	34.3	863.9	111.7	321.7	204.8	332.9	360.5	2.7	19.1	1.3	254.4	275.0	243.5	10.9
SMDH 00659	814554.71	8195187.09	174.96	2.0	3.0	80.0	4737.2	2.5	17.9	604.9	39.5	528.5	94.6	272.4	173.4	281.9	305.3	2.3	14.0	1.4	310.1	334.4	298.6	11.5
SMDH 00659	814554.71	8195187.09	174.96	3.0	4.0	80.0	4779.4	2.6	17.0	733.0	47.1	595.7	78.3	225.4	143.5	233.2	252.6	2.4	13.1	1.2	314.4	344.1	301.4	13.0
SMDH 00659	814554.71	8195187.09	174.96	4.0	5.0	80.0	5823.3	3.8	15.6	1628.8	42.2	355.0	67.4	194.0	123.5	200.8	217.4	3.5	10.7	1.1	256.3	282.9	244.5	11.8
SMDH 00659	814554.71	8195187.09	174.96	5.0	6.0	80.0	5422.3	3.2	17.3	1067.7	45.1	740.3	78.9	227.3	144.7	235.3	254.8	2.9	12.9	1.2	292.4	320.5	279.6	12.8
SMDH 00659	814554.71	8195187.09	174.96	6.0	7.0	80.0	5805.5	3.5	19.1	1130.7	43.7	431.0	75.8	218.2	138.9	225.8	244.6	3.3	14.3	1.3	264.2	292.1	252.6	11.6
SMDH 00659	814554.71	8195187.09	174.96	7.0	8.0	80.0	6183.5	3.7	16.1	1786.0	40.5	885.6	71.0	204.5	130.1	211.6	229.1	3.4	11.2	1.1	280.9	305.8	269.3	11.6
SMDH 00659	814554.71	8195187.09	174.96	8.0	9.0	80.0	6203.0	3.8	17.0	1764.2	45.3	461.5	72.7	209.4	133.3	216.7	234.7	3.5	12.1	1.2	315.9	343.8	302.9	12.9
SMDH 00659	814554.71	8195187.09	174.96	9.0	10.0	80.0	5519.4	3.4	15.7	1444.7	42.2	453.0	63.7	183.5	116.8	189.9	205.6	3.1	11.1	1.2	244.1	269.9	231.5	12.6
SMDH 00658	814276.13	8195182.79	174.26	0.0	1.0	30.0	5548.3	2.9	20.5	680.4	41.8	912.1	137.7	396.5	252.4	410.3	444.3	2.6	16.2	1.4	347.1	373.2	335.2	11.9
SMDH 00658	814276.13	8195182.79	174.26	1.0	2.0	80.0	5245.9	3.0	18.9	704.0	36.5	776.6	94.4	271.9	173.1	281.4	304.7	2.7	14.8	1.2	228.1	250.4	216.8	11.3
SMDH 00658	814276.13	8195182.79	174.26	2.0	3.0	80.0	6270.7	3.7	20.5	1199.9	53.1	737.0	97.4	280.6	178.6	290.4	314.4	3.4	15.6	1.2	309.4	343.4	294.5	14.9
SMDH 00658	814276.13	8195182.79	174.26	3.0	4.0	80.0	5257.8	3.2	16.4	1175.0	34.4	469.3	57.1	164.4	104.7	170.2	184.3	2.9	12.1	1.1	213.0	234.5	203.1	9.8
SMDH 00658	814276.13	8195182.79	174.26	4.0	5.0	80.0	6039.0	3.7	19.0	1327.4	36.6	468.1	79.6	229.3	145.9	237.3	256.9	3.4	14.0	1.3	269.0	290.7	257.6	11.4
SMDH 00658	814276.13	8195182.79	174.26	5.0	6.0	80.0	6123.7	3.7	19.5	1329.8	39.1	485.1	81.8	235.7	150.0	243.9	264.2	3.4	14.6	1.3	317.6	341.2	306.1	11.5
SMDH 00658	814276.13	8195182.79	174.26	6.0	6.8	80.0	5556.1	3.3	16.9	1330.6	34.7	437.8	72.5	208.7	132.9	216.0	233.9	3.0	12.3	1.3	303.1	324.3	293.3	9.8
SMDH 00658	814276.13	8195182.79	174.26	6.8	7.0	80.0	5556.1	3.3	16.9	1330.6	34.7	437.8	72.5	208.7	132.9	216.0	233.9	3.0	12.3	1.3	303.1	324.3	293.3	9.8
SMDH 00657	813986.53	8195181.15	166.36	0.0	1.0	20.0	4194.7	2.0	15.0	653.3	43.5	870.9	68.0	195.8	124.7	202.7	219.5	1.7	11.9	1.1	385.0	411.5	371.7	13.4
SMDH 00657	813986.53	8195181.15	166.36	1.0	2.0	60.0	4562.5	2.3	17.0	454.9	26.9	1113.6	86.3	248.5	158.2	257.2	278.5	2.0	13.2	1.5	244.1	260.2	235.7	8.4
SMDH 00657	813986.53	8195181.15	166.36	2.0	3.0	80.0	3894.8	2.1	12.8	696.8	14.5	624.4	71.4	205.6	130.9	212.8	230.4	1.9	9.3	1.3	187.2	195.7	183.4	3.8
SMDH 00657	813986.53	8195181.15	166.36	3.0	4.0	80.0	4931.8	2.6	14.5	1266.7	17.6	683.5	87.5	252.0	160.4	260.8	282.4	2.3	10.6	1.3	424.7	434.2	419.8	5.0
SMDH 00657	813986.53	8195181.15	166.36	4.0	5.0	80.0	5104.9	2.7	13.0	1702.9	37.0	563.1	67.0	192.9	122.8	199.6	216.1	2.4	9.0	1.2	508.8	530.2	497.6	11.2
SMDH 00657	813986.53	8195181.15	166.36	5.0	6.0	80.0	5987.4	3.3	17.4	1510.5	66.1	941.1	96.2	277.0	176.3	286.6	310.4	2.9	12.9	1.2	576.0	616.2	556.2	19.9
SMDH 00657	813986.53	8195181.15	166.36	6.0	7.0	80.0	5893.4	3.3	14.8	1940.4	42.2	684.1	78.7	226.6	144.3	234.5	254.0	2.9	10.3	1.2	505.6	530.4	492.7	12.9
SMDH 00657	813986.53	8195181.15	166.36	7.0	8.0	80.0	5974.4	3.4	17.9	1446.0	53.9	687.0	99.8	287.4	183.0	297.5	322.1	3.1	13.3	1.2	420.0	452.8	403.9	16.0
SMDH 00688	813721.53	8195743.28	165.39	0.0	1.0	30.0	4789.9	2.6	12.7	1198.2	54.3	1471.4	75.6	217.7	138.6	225.3	244.0	2.2	9.3	0.8	380.2	414.8	364.9	15.3
SMDH 00688	813721.53	8195743.28	165.39	1.0	2.0	80.0	5203.4	2.9	14.3	1388.0	49.5	837.9	68.6	197.7	125.8	204.6	221.5	2.6	10.2	1.2	357.6	388.7	343.3	14.3
SMDH 00688	813721.53	8195743.28	165.39	2.0	3.0	80.0	11517.4	7.9	14.5	6040.4	32.3	474.9	41.0	118.0	75.1	122.2	132.3	7.2	6.1	0.6	233.0	253.3	224.2	8.8
SMDH 00688	813721.53	8195743.28	165.39	3.0	4.0	80.0	8015.2	5.2	15.1	3327.3	46.5	633.1	69.0	198.6	126.4	205.5	222.6	4.7	9.1	0.9	412.7	441.5	399.1	13.6
SMDH 00688	813721.53	8195743.28	165.39	4.0	5.0	80.0	7514.0	4.7	14.9	3087.3	40.6	465.7	68.0	195.8	124.7	202.7	219.5	4.3	9.2	0.9	394.9	420.3	383.6	11.3
SMDH 00687	813434.56	8195745.51	165.84	0.0	1.0	20.0	5377.2	3.0	14.4	1339.1	42.4	1319.2	91.4	263.3	167.6	272.5	295.1	2.7	10.2	1.2	269.1	295.5	256.6	12.5
SMDH 00687	813434.56	8195745.51	165.84	1.0	2.0	50.0	7719.4	5.0	12.1	3565.4	13.8	614.4	57.9	166.8	106.2	172.6	186.9	4.5	5.9	1.2	77.8	86.1	74.2	3.7
SMDH 00687	813434.56	8195745.51	165.84	2.0	3.0	80.0	8416.0	5.8	12.9	3752.5	10.1	871.9	84.6	243.8	155.2	252.3	273.2	5.2	6.0	1.2	41.7	47.5	39.2	2.4
SMDH 00687	813434.56	8195745.51	165.84	3.0	4.0	80.0	4070.5	2.5	8.7	1436.2	43.1	424.6	41.1	118.4	75.4	122.5	132.7	2.3	4.9	1.3	76.6	103.0	63.9	12.7

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00687	813434.56	8195745.51	165.84	4.0	5.0	80.0	5798.5	3.8	14.8	1652.4	47.0	631.5	73.1	210.4	133.9	217.8	235.8	3.4	9.9	1.1	166.9	196.4	154.0	13.0
SMDH 00687	813434.56	8195745.51	165.84	5.0	6.0	80.0	5203.4	3.3	15.5	1117.0	31.2	567.6	85.7	246.7	157.0	255.3	276.5	3.0	10.9	1.3	96.7	116.4	87.9	8.8
SMDH 00687	813434.56	8195745.51	165.84	6.0	7.0	80.0	5027.5	3.1	14.8	1106.3	29.9	641.8	82.6	238.0	151.5	246.3	266.7	2.8	10.5	1.3	130.7	149.0	122.1	8.6
SMDH 00687	813434.56	8195745.51	165.84	7.0	8.0	80.0	5970.4	3.5	17.1	1523.9	40.5	707.8	91.2	262.6	167.1	271.7	294.2	3.2	12.3	1.3	384.9	408.9	372.7	12.1
SMDH 00687	813434.56	8195745.51	165.84	8.0	8.5	80.0	5826.2	3.3	18.5	1170.9	66.9	807.2	100.4	289.0	184.0	299.1	323.9	3.0	13.9	1.3	473.0	514.5	453.5	19.5
SMDH 00686	813153.39	8195746.80	166.29	0.0	1.0	20.0	3061.8	1.5	10.6	554.1	19.4	354.1	46.5	134.1	85.3	138.7	150.2	1.4	7.9	1.2	235.5	247.2	229.8	5.7
SMDH 00686	813153.39	8195746.80	166.29	1.0	2.0	60.0	5360.3	3.2	13.1	1771.6	27.7	441.2	65.2	187.8	119.5	194.3	210.4	2.9	8.6	1.3	229.3	245.9	220.7	8.6
SMDH 00686	813153.39	8195746.80	166.29	2.0	3.0	80.0	7822.4	5.1	17.2	2848.5	44.0	524.4	65.3	188.1	119.8	194.7	210.8	4.7	11.0	1.1	260.2	288.1	247.9	12.3
SMDH 00686	813153.39	8195746.80	166.29	3.0	4.0	80.0	7433.5	4.8	21.1	1891.9	72.2	541.8	86.8	250.1	159.2	258.8	280.3	4.4	15.1	1.2	359.5	405.2	339.0	20.5
SMDH 00686	813153.39	8195746.80	166.29	4.0	5.0	80.0	6989.5	4.3	22.0	1468.0	82.3	605.2	93.0	268.0	170.6	277.3	300.3	3.9	16.4	1.3	432.1	484.7	409.3	22.7
SMDH 00686	813153.39	8195746.80	166.29	5.0	6.0	80.0	6366.9	3.8	21.7	1071.8	79.4	541.0	96.9	279.2	177.7	289.0	312.9	3.5	16.5	1.4	380.3	430.9	357.5	22.7
SMDH 00686	813153.39	8195746.80	166.29	6.0	7.0	80.0	5745.5	3.1	17.8	1402.4	28.1	519.6	98.7	284.2	180.9	294.2	318.6	2.8	13.2	1.5	599.9	615.9	592.1	7.8
SMDH 00685	812863.78	8195739.88	168.44	0.0	1.0	20.0	4884.6	2.5	16.7	910.1	54.7	615.9	82.5	237.7	151.3	246.0	266.4	2.2	12.8	1.4	409.4	443.1	392.9	16.5
SMDH 00685	812863.78	8195739.88	168.44	1.0	2.0	80.0	5149.2	2.7	16.1	1252.4	67.7	368.9	92.3	265.8	169.2	275.1	297.9	2.4	12.0	1.3	512.2	554.8	492.8	19.3
SMDH 00685	812863.78	8195739.88	168.44	2.0	3.0	80.0	4953.4	2.8	15.8	1077.2	49.6	395.3	87.4	251.8	160.3	260.6	282.2	2.5	11.8	1.3	335.4	366.5	321.3	14.1
SMDH 00685	812863.78	8195739.88	168.44	3.0	4.0	80.0	4754.5	2.8	14.7	1089.8	42.2	373.8	68.6	197.5	125.7	204.4	221.3	2.5	10.7	1.2	285.8	312.7	274.3	11.5
SMDH 00685	812863.78	8195739.88	168.44	4.0	5.0	80.0	3937.7	2.3	9.9	1270.2	22.8	263.0	42.6	122.7	78.1	127.0	137.5	2.1	6.4	1.3	238.3	252.2	231.9	6.4
SMDH 00685	812863.78	8195739.88	168.44	5.0	6.0	80.0	4460.6	2.5	13.1	1130.1	61.1	332.5	58.3	168.0	107.0	173.9	188.3	2.3	9.3	1.3	324.6	362.7	306.6	18.1
SMDH 00684	812596.60	8195739.13	163.55	0.0	1.0	20.0	3960.7	2.2	11.2	1010.2	37.2	725.6	50.0	143.9	91.6	149.0	161.3	1.9	8.1	1.0	311.6	334.8	301.0	10.7
SMDH 00684	812596.60	8195739.13	163.55	1.0	2.0	80.0	5364.6	3.7	11.2	1882.4	36.5	508.2	52.1	150.0	95.5	155.2	168.1	3.4	6.7	0.9	265.2	287.5	255.0	10.3
SMDH 00684	812596.60	8195739.13	163.55	2.0	3.0	80.0	3921.0	2.6	11.0	898.5	45.9	494.0	50.9	146.7	93.4	151.8	164.4	2.4	7.6	0.8	215.8	243.9	202.2	13.5
SMDH 00684	812596.60	8195739.13	163.55	3.0	4.0	80.0	4990.1	3.1	14.1	1222.1	58.2	509.6	70.0	201.5	128.3	208.5	225.8	2.8	9.9	1.1	358.8	394.3	341.7	17.1
SMDH 00684	812596.60	8195739.13	163.55	4.0	5.0	80.0	5089.1	3.3	14.0	1282.7	36.3	529.2	62.8	180.8	115.1	187.1	202.6	3.1	9.6	1.0	224.1	246.5	213.8	10.3
SMDH 00684	812596.60	8195739.13	163.55	5.0	6.0	80.0	6668.2	4.2	15.7	2308.8	32.8	416.7	64.0	184.4	117.4	190.8	206.6	3.8	10.2	1.3	476.0	495.5	467.2	8.7
SMDH 00684	812596.60	8195739.13	163.55	6.0	7.0	80.0	5615.3	3.4	16.8	1315.2	25.4	552.9	68.1	196.2	124.9	203.1	219.9	3.2	12.0	1.3	310.7	326.0	303.7	7.0
SMDH 00684	812596.60	8195739.13	163.55	7.0	8.0	80.0	4772.7	2.7	14.5	1026.2	19.9	676.6	84.5	243.3	154.9	251.8	272.7	2.5	10.2	1.5	347.3	359.3	341.8	5.5
SMDH 00684	812596.60	8195739.13	163.55	8.0	9.0	80.0	4528.7	2.4	14.3	929.0	33.1	737.6	69.8	200.9	127.9	207.9	225.2	2.2	10.5	1.4	400.9	420.6	391.1	9.8
SMDH 00684	812596.60	8195739.13	163.55	9.0	10.0	80.0	4656.1	2.5	16.9	674.6	27.9	461.2	79.7	229.5	146.1	237.5	257.2	2.3	12.8	1.5	295.6	313.0	287.9	7.6
SMDH 00684	812596.60	8195739.13	163.55	10.0	11.0	80.0	3751.9	1.8	13.7	511.8	31.2	535.8	89.7	258.2	164.4	267.3	289.4	1.6	10.3	1.6	234.5	253.6	225.5	9.1
SMDH 00684	812596.60	8195739.13	163.55	11.0	12.0	80.0	3077.1	1.6	12.0	264.7	15.2	505.0	52.9	152.4	97.0	157.7	170.8	1.4	9.0	1.4	104.4	113.4	99.9	4.5
SMDH 00684	812596.60	8195739.13	163.55	12.0	13.0	80.0	3515.2	1.7	12.9	452.3	22.5	597.1	72.4	208.6	132.8	215.9	233.8	1.5	9.8	1.4	244.4	258.2	237.9	6.5
SMDH 00684	812596.60	8195739.13	163.55	13.0	14.0	80.0	3443.0	1.8	12.5	409.3	31.7	631.5	71.8	206.9	131.7	214.1	231.8	1.6	9.5	1.2	218.8	238.4	209.3	9.5
SMDH 00689	813993.66	8195740.98	170.62	0.0	1.0	30.0	4558.1	2.2	15.8	733.5	47.5	1025.5	82.3	237.1	151.0	245.4	265.8	1.9	12.4	1.3	421.1	450.9	407.4	13.7
SMDH 00689	813993.66	8195740.98	170.62	1.0	2.0	60.0	4556.8	2.2	14.9	863.0	57.1	913.0	88.1	253.8	161.6	262.7	284.4	1.9	11.3	1.4	456.1	492.3	439.7	16.4
SMDH 00689	813993.66	8195740.98	170.62	2.0	3.0	80.0	3893.0	2.0	10.9	1081.2	35.7	544.7	56.2	161.8	103.0	167.4	181.3	1.8	7.6	1.3	361.8	384.4	352.1	9.7
SMDH 00689	813993.66	8195740.98	170.62	3.0	4.0	80.0	4359.7	2.7	7.9	1908.5	15.5	201.3	29.3	84.5	53.8	87.4	94.7	2.4	4.0	1.2	85.6	95.5	81.8	3.8
SMDH 00689	813993.66	8195740.98	170.62	4.0	4.5	80.0	5367.7	3.2	11.3	2100.6	34.1	371.4	54.6	157.3	100.1	162.8	176.3	2.9	7.0	1.1	230.6	252.6	221.6	9.0
SMDH 00689	813993.66	8195740.98	170.62	4.5	5.0	80.0	5367.7	3.2	11.3	2100.6	34.1	371.4	54.6	157.3	100.1	162.8	176.3	2.9	7.0	1.1	230.6	252.6	221.6	9.0
SMDH 00690	814269.04	8195738.29	173.65	0.0	1.0	30.0	4853.4	2.5	16.2	856.9	55.9	941.6	81.8	235.7	150.0	243.9	264.2	2.2	12.4	1.3	412.2	446.2	395.2	17.0
SMDH 00690	814269.04	8195738.29	173.65	1.0	2.0	80.0	4556.6	2.6	13.7	1073.4	46.5	557.7	64.4	185.4	118.0	191.8	207.7	2.3	9.9	1.2	278.0	306.3	264.1	14.0
SMDH 00690	814269.04	8195738.29	173.65	2.0	3.0	80.0	7138.2	4.4	15.4	2682.5	41.8	641.2	63.4	182.6	116.3	189.0	204.7	4.0	10.0	1.0	241.6	268.1	230.0	11.6
SMDH 00690	814269.04	8195738.29	173.65	3.0	4.0	30.0	6524.4	4.0	15.9	2160.3	49.6	536.8	67.0	192.9	122.8	199.7	216.2	3.6	10.8	1.1	252.1	283.4	238.0	14.1
SMDH 00690	814269.04	8195738.29	173.65	4.0	5.0	80.0	5780.7	3.4	16.6	1522.0	51.0	544.9	77.1	221.9	141.3	229.7	248.7	3.1	12.1	1.1	307.3	339.1	292.4	14.8
SMDH 00690	814269.04	8195738.29	173.65	5.0	6.0	80.0	5447.7	3.1	16.6	1264.3	59.3	593.3	78.3	225.6	143.6	233.4	252.8	2.9	12.3	1.1	347.5	384.9	330.5	17.0
SMDH 00690	814269.04	8195738.29	173.65	6.0	7.0	80.0	5080.2	2.9	15.7	1107.3	44.9	644.0	70.2	202.3	128.8	209.4	226.7	2.7	11.7	1.1	290.7	319.2	278.2	12.5
SMDH 00690	814269.04	8195738.29	173.65	7.0	7.7	80.0	5459.4	3.2	16.4	1267.4	53.4	684.2	74.6	214.9	136.8	222.4	240.9	2.9	12.1	1.1	304.7	338.4	289.5	15.2
SMDH 00690	814269.04	8195738.29	173.65	7.7	8.0	80.0	5459.4	3.2	16.4	1267.4	53.4	684.2	74.6	214.9	136.8	222.4	240.9	2.9	12.1	1.1	304.7	338.4	289.5	15.2
SMDH 00691	814551.11	8195738.49	176.66	0.0	1.0	20.0	6257.0	3.2	25.5	490.0	30.6	1214.5	131.2	377.9	240.6	391.1	423.5	2.9	21.2	1.0	292.6	310.9	283.4	9.3
SMDH 00691	814551.11	8195738.49	176.66	1.0	2.0	50.0	6568.1	3.6	27.3	444.5	33.6	630.9	120.7	347.5	221.2	359.6	389.4	3.4	22.0	1.7	265.9	285.8	255.2	10.7
SMDH 00691	814551.11	8195738.49	176.66	2.0	3.0	80.0	4302.7	2.3	16.7	429.6	36.3	552.4	86.7	249.6	158.9	258.3	279.7	2.1	13.1	1.3	209.2	231.9	198.7	10.5
SMDH 00691	814551.11	8195738.49	176.66	3.0	4.0	50.0	5131.9	2.9	18.4	734.4	48.7	618.2	85.5	246.1	156.7	254.7	275.8	2.6	14.3	1.2	313.8	345.1	300.3	13.5
SMDH 00691	814551.11	8195738.49	176.66	4.0	5.0	50.0	4950.7	2.9	15.7	1055.2	39.3	464.8	71.8	206.8	131.6	214.0	231.8	2.7	11.6	1.1	245.6	270.8	234.8	10.9
SMDH 00691	814551.11	8195738.49	176.66	5.0	6.0	80.0	5136.2	3.1	17.2	930.0	33.7	456.4	86.2	248.3	158.1	257.0	278.3	2.8	13.0	1.2	247.8	268.6	238.1	9.7
SMDH 00691	814551.11	8195738.49	176.66	6.0	7.0	60.0	5780.9	3.5	17.9	1305.0	35.6	455.5	84.0	242.0	154.1	250.5	271.3	3.2	13.2	1.2	263.7	286.0	253.7	10.0
SMDH 00691	814551.11	8195738.49	176.66	7.0	8.0	80.0	5977.8	3.5	18.4	1343.1	37.9	621.2	87.9	253.3	161.2	262.1	283.8	3.2	13.7	1.2	332.3	355.3	321.4	10.8
SMDH 00691	814551.11	8195738.49	176.66	8.0	9.0	80.0	6802.7	4.0	20.7	1640.8	44.5	475.8	146.3	421.4	268.2	436.1	472.2	3.6	15.5	1.3	456.8	483.8	444.1	12.7
SMDH 00691	814551.11	8195738.49	176.66	9.0	10.0	80.0	4491.9	2.5	14.6	896.8	44.4	461.3	75.3	216.9	138.1	224.5	243.1	2.3	10.9	1.1	310.8	338.6	298.3	12.5
SMDH 00691	814551.11	8195738.49	176.66	10.0	11.0	80.0	5981.9	3.5	17.4	1541.0	40.8	631.5	99.0	285.3	181.6	295.2	319.7	3.1	12.8	1.1	389.1	414.2	377.7	11.4
SMDH 00691	814551.11	8195738.49	176.66	11.0	12.0	80.0	5775.4	2.9	17.4	1567.0	39.5	689.4	86.1	247.8	157.8	256.5	277.7	2.6	13.2	1.2	795.2	818.1	783.6	11.6
SMDH 00691	814551.11	8195738.49	176.66	12.0	13.0	80.0	5034.7	2.9	16.5	996.0	41.3	554.3	75.5	217.5	138.5	225.1	243.8	2.6	12.4	1.2	318.0	343.4	305.5	12.6
SMDH 00691	814551.11	8195738.49	176.66	13.0	14.0	80.0	4941.2	2.8	15.4	1136.7	37.4	420.7	77.6	223.5	142.3	231.3	250.5	2.6	11.3	1.2	328.9	351.8	317.9	11.0
SMDH 00691	814551.11	8195738.49	176.66	14.0	15.0	80.0	5049.5	2.8	15.4	1223.2	40.7	467.4	72.6	209.2	133.2	216.5	234.4	2.6	11.4	1.2	372.1	397.0	360.2	11.9
SMDH 00691	814551.11	8195738.49	176.66	15.0	15.1	50.0	5918.6	3.5	19.1	1212.4	39.1	583.1	94.9	273.3	173.9	282.8	306.2	3.2	14.3	1.3	309.1	333.6	298.0	11.1
SMDH 00691	814551.11	8195738.49	176.66	15.1	16.0	50.0	5918.6	3.5	19.1	1212.4	39.1	583.1	94.9	273.3	173.9	282.8	306.2	3.2	14.3	1.3	309.1	333.6	298.0	11.1
SMDH 00692	814832.96	8195741.54	171.30	0.0	1.0	50.0	4463.1	2.1	15.4	735.7	51.2	1050.8	103.0	296.7	188.8	307.0	332.5	1.8	12.2	1.2	455.4	485.9	439.0	16.4
SMDH 00692	814832.96	8195741.54	171.30	1.0	2.0	60.0	4182.0	2.0	12.3	1008.2	74.7	717.4	100.8	290.3	184.8	300.5	325.4	1.7	9.0	1.3	433.0	480.7	411.6	21.4
SMDH 00692	814832.96	8195741.54	171.30	2.0	3.0	70.0	5548.8	3.2	14.9	1581.8	64.6	476.0	95.6	275.4	175.3	285.1	308.7	2.9	10.2	1.4	303.6	344.9	284.7	18.8
SMDH 00692	814832.96	8195741.54	171.30	3.0	4.0	80.0	5329.9	3.1	14.9	1419.3	62.2	576.7	76.1	219.2	139.5	226.8	245.6	2.8	10.6	1.2	379.3	418.8	361.4	17.9
SMDH 00692	814832.96	8195741.54	171.30	4.0	5.0	80.0	6910.6	4.7	14.4	2545.9	46.8	470.9	65.5	188.8	120.2	195.4	211.6	4.3	8.7	1.0	272.3	301.6	259.1	13.2
SMDH 00692	814832.96	8195741.54	171.30	5.0	6.0	80.0	5826.3	3.6	14.8	1746.9	55.0	606.4	69.2	199.2	126.8	206.1	223.2	3.3	10.1	1.1	297.3	331.1	280.3	17.0
SMDH 00692	814832.96	8195741.54	171.30	6.0	7.0	70.0	6038.0	3.8	14.4	1986.9	49.7	570.0	67.8	195.4	124.4	202.2	218.9	3.4	9.7	1.0	315.9	347.3	301.8	14.1
SMDH 00692	814832.96	8195741.54	171.30	7.0	8.0	80.0	5524.5	3.1	15.7	1485.0	43.0	649.9	86.0	247.8	157.7	256.4	277.7	2.8	11.3	1.2	428.1	454.3	415.3	12.7
SMDH 00692	814832.96	8195741.54	171.30	8.0	9.0	80.0	5366.1	3.1	15.0	1496.0	45.2	517.8	75.3	216.9	138.1	224.5	243.1	2.8	10.8	1.2	401.5	429.3	388.3	13.3
SMDH 00692	814832.96	8195741.54	171.30	9.0	10.0	80.0	5809.1	3.5	16.2	1643.6	44.2	339.4	74.1	213.3	135.8	220.8	239.1	3.2	11.6	1.2	280.1	307.7	267.1	13.0
SMDH 00692	814832.96	8195741.54	171.30	10.0	11.0	70.0	5383.6	3.1	17.4	1033.8	52.9	703.2	87.7	252.5	160.7	261.3	283.0	2.8	13.1	1.2	294.1	327.4	278.7	15.4
SMDH 00692	814832.96	8195741.54	171.30	11.0	12.0	70.0	5183.6	3.0	17.5	891.9	55.1	674.1	87.1	250.7	159.6	259.5	281.0	2.7	13.3	1.2	316.8	351.9	301.1	15.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00692	814832.96	8195741.54	171.30	12.0	13.0	70.0	5687.2	3.3	17.6	1290.2	52.0	615.5	87.3	251.4	160.0	260.2	281.7	3.0	13.1	1.1	343.1	376.2	328.3	14.8
SMDH 00692	814832.96	8195741.54	171.30	13.0	13.5	40.0	4965.1	2.8	16.6	919.6	57.2	555.5	83.6	240.9	153.4	249.3	270.0	2.5	12.6	1.2	320.3	356.0	303.4	16.9
SMDH 00692	814832.96	8195741.54	171.30	13.5	14.0	40.0	4965.1	2.8	16.6	919.6	57.2	555.5	83.6	240.9	153.4	249.3	270.0	2.5	12.6	1.2	320.3	356.0	303.4	16.9
SMDH 00693	815118.68	8195740.79	173.72	0.0	1.0	20.0	4227.8	2.0	16.5	482.2	31.7	747.5	74.4	214.3	136.4	221.8	240.2	1.8	13.3	1.2	290.7	309.9	281.1	9.6
SMDH 00693	815118.68	8195740.79	173.72	1.0	2.0	40.0	4609.2	2.2	16.8	711.0	53.1	715.1	80.9	233.1	148.4	241.3	261.3	2.0	13.3	1.3	410.2	444.7	395.6	14.6
SMDH 00693	815118.68	8195740.79	173.72	2.0	3.0	60.0	5314.4	3.1	15.4	1404.1	35.6	491.7	67.4	194.0	123.5	200.8	217.4	2.8	11.2	1.2	259.2	282.1	249.4	9.8
SMDH 00693	815118.68	8195740.79	173.72	3.0	4.0	80.0	4909.6	3.0	13.7	1307.6	21.2	452.1	61.4	176.8	112.6	183.0	198.2	2.8	9.6	1.0	175.7	188.5	169.3	6.4
SMDH 00693	815118.68	8195740.79	173.72	4.0	5.0	70.0	5948.3	3.8	14.3	1955.3	25.8	496.5	61.7	177.7	113.1	183.9	199.2	3.5	9.5	1.0	257.5	273.0	249.6	7.9
SMDH 00693	815118.68	8195740.79	173.72	5.0	6.0	60.0	5594.0	3.4	15.8	1496.1	28.3	473.9	72.2	208.1	132.4	215.3	233.2	3.1	11.2	1.1	241.8	259.2	233.5	8.3
SMDH 00693	815118.68	8195740.79	173.72	6.0	7.0	60.0	5667.9	3.5	14.7	1697.4	32.4	553.2	69.5	200.1	127.4	207.1	224.2	3.2	10.2	1.1	248.9	268.6	239.3	9.6
SMDH 00693	815118.68	8195740.79	173.72	7.0	8.0	70.0	4103.0	2.2	14.3	661.8	31.0	594.9	75.9	218.7	139.2	226.3	245.1	2.0	10.9	1.2	282.8	301.3	273.3	9.5
SMDH 00693	815118.68	8195740.79	173.72	8.0	9.0	70.0	3784.4	2.1	12.4	752.6	19.7	525.7	62.7	180.6	115.0	186.9	202.4	1.9	9.4	0.9	225.4	237.3	219.6	5.8
SMDH 00693	815118.68	8195740.79	173.72	9.0	10.0	70.0	4422.9	2.3	14.9	817.3	62.4	578.5	85.1	245.2	156.1	253.7	274.8	2.1	11.5	1.1	334.0	374.3	316.4	17.6
SMDH 00693	815118.68	8195740.79	173.72	10.0	11.0	70.0	4225.4	2.2	15.6	533.8	41.9	597.2	87.5	252.2	160.5	261.0	282.6	2.0	12.0	1.3	278.7	304.7	266.2	12.5
SMDH 00693	815118.68	8195740.79	173.72	11.0	12.0	70.0	3870.5	2.1	14.2	461.5	40.5	603.9	80.6	232.0	147.7	240.1	260.0	1.9	10.9	1.2	232.5	258.0	220.7	11.8
SMDH 00693	815118.68	8195740.79	173.72	12.0	13.0	70.0	3995.0	2.1	14.1	616.8	38.1	565.5	82.1	236.5	150.6	244.8	265.1	1.9	10.9	1.2	331.6	354.8	319.9	11.7
SMDH 00693	815118.68	8195740.79	173.72	13.0	14.0	80.0	4586.1	2.5	17.0	576.0	33.7	651.9	87.7	252.6	160.8	261.4	283.1	2.2	13.3	1.2	278.8	299.4	268.5	10.3
SMDH 00693	815118.68	8195740.79	173.72	14.0	15.0	80.0	5521.6	2.9	19.9	841.1	31.4	788.4	109.8	316.2	201.3	327.2	354.3	2.6	15.7	1.4	418.1	436.8	408.7	9.4
SMDH 00693	815118.68	8195740.79	173.72	15.0	16.0	80.0	4003.9	2.1	14.4	599.3	28.7	561.3	80.5	231.9	147.6	240.0	259.9	1.9	11.1	1.1	283.6	301.0	275.2	8.4
SMDH 00693	815118.68	8195740.79	173.72	16.0	17.0	80.0	4733.6	2.6	17.3	617.8	43.1	598.4	98.6	284.0	180.8	293.9	318.2	2.3	13.4	1.4	319.2	345.5	305.9	13.3
SMDH 00693	815118.68	8195740.79	173.72	17.0	18.0	50.0	4903.2	2.6	17.8	667.2	57.0	616.9	98.6	284.0	180.8	293.9	318.2	2.4	13.7	1.5	352.7	388.7	336.0	16.7
SMDH 00693	815118.68	8195740.79	173.72	18.0	18.5	50.0	8168.6	5.4	28.8	1252.5	46.6	285.2	96.7	278.4	177.2	288.1	312.0	5.1	22.0	1.4	189.1	218.6	175.4	13.6
SMDH 00693	815118.68	8195740.79	173.72	18.5	19.0	50.0	8168.6	5.4	28.8	1252.5	46.6	285.2	96.7	278.4	177.2	288.1	312.0	5.1	22.0	1.4	189.1	218.6	175.4	13.6
SMDH 00694	815381.74	8195739.29	170.35	0.0	1.0	30.0	4523.7	2.1	13.0	965.9	75.3	1690.5	87.9	253.2	161.2	262.1	283.8	1.8	9.9	0.9	559.7	607.3	538.0	21.7
SMDH 00694	815381.74	8195739.29	170.35	1.0	2.0	50.0	5097.0	2.5	15.1	1180.4	78.9	1300.8	87.9	253.2	161.2	262.1	283.8	2.1	11.5	1.1	647.5	697.5	625.1	22.4
SMDH 00694	815381.74	8195739.29	170.35	2.0	3.0	60.0	6296.3	3.8	13.8	2365.1	35.2	458.5	64.3	185.3	118.0	191.8	207.7	3.5	8.9	1.1	258.1	280.2	248.1	10.0
SMDH 00694	815381.74	8195739.29	170.35	3.0	4.0	80.0	8106.4	5.0	15.6	3441.1	45.0	527.1	70.5	203.0	129.2	210.1	227.5	4.6	9.5	1.0	376.3	404.5	363.2	13.1
SMDH 00694	815381.74	8195739.29	170.35	4.0	5.0	80.0	5364.9	3.1	16.3	1225.5	59.8	586.1	89.0	256.2	163.1	265.2	287.2	2.8	12.0	1.2	403.8	441.1	385.9	17.8
SMDH 00694	815381.74	8195739.29	170.35	5.0	6.0	80.0	6354.8	3.8	18.9	1510.3	57.5	709.0	96.0	276.4	175.9	286.0	309.7	3.4	13.8	1.3	374.4	410.4	357.4	16.9
SMDH 00694	815381.74	8195739.29	170.35	6.0	7.0	80.0	7337.7	4.5	19.2	2201.8	72.9	594.2	91.8	264.3	168.3	273.6	296.2	4.1	13.5	1.2	398.4	444.9	377.5	20.9
SMDH 00694	815381.74	8195739.29	170.35	7.0	8.0	80.0	6125.8	3.4	18.2	1547.9	75.1	606.7	95.3	274.6	174.8	284.2	307.8	3.1	13.4	1.3	573.4	620.5	551.1	22.3
SMDH 00694	815381.74	8195739.29	170.35	8.0	9.0	80.0	5809.2	3.4	18.0	1268.0	71.2	518.6	91.2	262.8	167.3	272.0	294.5	3.2	13.3	1.3	351.3	396.7	330.5	20.7
SMDH 00694	815381.74	8195739.29	170.35	9.0	10.0	60.0	5751.9	3.3	18.7	1095.8	71.5	719.3	103.3	297.5	189.4	307.9	333.5	3.0	14.2	1.3	442.6	487.3	421.2	21.4
SMDH 00694	815381.74	8195739.29	170.35	10.0	11.0	40.0	4648.8	2.7	15.0	891.4	48.4	510.2	78.5	226.1	144.0	234.0	253.4	2.5	11.0	1.2	269.8	300.2	255.8	14.0
SMDH 00694	815381.74	8195739.29	170.35	11.0	12.0	40.0	4633.4	2.7	15.0	903.8	45.1	505.3	76.1	219.1	139.5	226.8	245.6	2.4	11.1	1.3	305.4	333.8	292.5	12.9
SMDH 00694	815381.74	8195739.29	170.35	12.0	12.5	50.0	5208.7	2.9	16.4	1105.5	63.4	642.5	86.7	249.8	159.0	258.6	280.0	2.6	12.2	1.3	434.7	474.6	416.3	18.3
SMDH 00709	815254.47	8196024.12	172.33	0.0	1.0	30.0	3034.3	1.6	9.3	707.2	19.0	383.7	41.1	118.3	75.3	122.4	132.5	1.4	6.7	1.1	186.7	198.1	181.3	5.3
SMDH 00709	815254.47	8196024.12	172.33	1.0	2.0	30.0	2939.3	1.6	7.1	961.5	10.1	260.2	31.8	91.6	58.3	94.8	102.6	1.5	4.0	1.4	65.5	71.3	62.9	2.6
SMDH 00709	815254.47	8196024.12	172.33	2.0	3.0	30.0	4000.8	2.3	12.9	830.8	17.9	343.1	58.1	167.3	106.5	173.2	187.5	2.1	9.4	1.3	152.6	163.1	147.3	5.3
SMDH 00709	815254.47	8196024.12	172.33	3.0	4.0	60.0	4826.5	2.8	16.6	766.2	23.6	656.7	90.6	260.8	166.0	269.9	292.3	2.5	12.7	1.2	215.3	229.6	208.2	7.2
SMDH 00709	815254.47	8196024.12	172.33	4.0	5.0	80.0	4490.9	2.7	12.5	1222.0	15.3	402.4	60.2	173.5	110.4	179.5	194.4	2.4	8.6	1.2	113.6	122.8	109.4	4.2
SMDH 00709	815254.47	8196024.12	172.33	5.0	6.0	80.0	5474.2	3.3	14.3	1685.8	8.1	262.2	71.7	206.6	131.5	213.9	231.6	3.1	9.5	1.5	106.9	111.1	104.8	2.1
SMDH 00709	815254.47	8196024.12	172.33	6.0	7.0	80.0																		
SMDH 00709	815254.47	8196024.12	172.33	7.0	8.0	60.0	10609.6	7.9	30.9	2427.9	53.6	153.1	136.7	393.7	250.6	407.4	441.2	7.5	22.0	1.0	77.3	111.9	61.8	15.5
SMDH 00709	815254.47	8196024.12	172.33	8.0	9.0	60.0	7771.4	4.8	21.0	2343.5	24.7	458.2	78.3	225.4	143.5	233.2	252.6	4.5	15.1	1.1	176.6	191.8	169.3	7.3
SMDH 00709	815254.47	8196024.12	172.33	9.0	10.0	60.0	5131.5	2.8	18.1	796.9	46.3	612.7	86.1	248.0	157.8	256.6	277.9	2.6	13.8	1.5	360.1	388.8	346.4	13.7
SMDH 00709	815254.47	8196024.12	172.33	10.0	11.0	60.0	5617.6	3.4	17.4	1259.7	37.0	428.8	68.5	197.2	125.6	204.1	221.0	3.2	12.8	1.2	217.9	241.1	207.2	10.8
SMDH 00709	815254.47	8196024.12	172.33	11.0	12.0	60.0	5373.7	3.3	17.0	1116.5	31.9	461.5	67.1	193.2	123.0	200.0	216.5	3.1	12.4	1.3	167.4	187.6	158.5	8.9
SMDH 00709	815254.47	8196024.12	172.33	12.0	13.0	60.0	5012.3	3.0	16.6	904.7	47.1	446.1	70.4	202.9	129.1	209.9	227.3	2.8	12.3	1.3	220.5	250.0	206.7	13.8
SMDH 00709	815254.47	8196024.12	172.33	13.0	14.0	60.0	4687.0	2.7	16.4	724.4	38.2	494.4	79.1	227.7	144.9	235.6	255.2	2.5	12.5	1.2	272.0	295.6	260.8	11.2
SMDH 00709	815254.47	8196024.12	172.33	14.0	14.4	60.0	4423.8	2.5	14.7	827.7	30.5	480.6	68.4	196.9	125.4	203.8	220.7	2.3	11.0	1.3	286.7	305.1	277.7	9.0
SMDH 00709	815254.47	8196024.12	172.33	14.4	15.0	60.0	4423.8	2.5	14.7	827.7	30.5	480.6	68.4	196.9	125.4	203.8	220.7	2.3	11.0	1.3	286.7	305.1	277.7	9.0
SMDH 00708	814980.11	8196021.56	175.03	0.0	1.0	20.0	6757.8	4.0	27.0	552.9	28.6	851.3	81.1	233.7	148.7	241.8	261.8	3.8	22.0	1.0	323.4	340.8	315.0	8.4
SMDH 00708	814980.11	8196021.56	175.03	1.0	2.0	40.0	4780.2	2.3	19.6	375.9	25.7	597.3	104.9	302.2	192.4	312.8	338.7	2.1	15.5	1.8	223.6	238.9	215.7	7.8
SMDH 00708	814980.11	8196021.56	175.03	2.0	3.0	60.0	4224.1	2.1	15.0	570.3	33.3	883.5	81.9	235.8	150.1	244.1	264.3	1.9	11.5	1.4	256.8	277.8	247.5	9.3
SMDH 00708	814980.11	8196021.56	175.03	3.0	4.0	80.0	3888.5	2.2	12.1	780.2	23.6	603.1	72.3	208.2	132.6	215.5	233.4	1.9	8.5	1.4	159.1	173.9	152.7	6.4
SMDH 00708	814980.11	8196021.56	175.03	4.0	5.0	80.0	6603.2	4.2	11.9	2879.9	18.6	460.0	56.1	161.7	102.9	167.4	181.2	3.8	6.8	1.0	138.6	150.8	134.1	4.5
SMDH 00708	814980.11	8196021.56	175.03	5.0	6.0	80.0	6077.7	3.8	11.3	2584.2	12.4	427.2	51.7	148.8	94.7	154.0	166.8	3.4	6.3	1.3	122.4	129.4	118.9	3.5
SMDH 00708	814980.11	8196021.56	175.03	6.0	7.0	80.0	5678.3	3.2	13.3	2013.3	24.9	675.0	69.7	200.8	127.8	207.9	225.1	2.8	9.0	1.2	431.6	446.0	424.8	6.9
SMDH 00708	814980.11	8196021.56	175.03	7.0	8.0	80.0	6859.9	4.1	16.1	2401.5	37.4	755.1	84.2	242.5	154.4	251.0	271.8	3.6	10.9	1.1	464.1	486.5	453.6	10.5
SMDH 00708	814980.11	8196021.56	175.03	8.0	9.0	80.0	5804.8	3.3	15.9	1638.0	53.1	791.3	81.5	234.6	149.3	242.8	262.9	2.9	11.5	1.2	503.2	535.2	487.5	15.7
SMDH 00708	814980.11	8196021.56	175.03	9.0	10.0	80.0	5733.9	3.2	15.6	1628.3	62.2	712.3	75.6	217.6	138.5	225.2	243.9	2.9	11.2	1.2	468.2	506.2	449.9	18.3
SMDH 00708	814980.11	8196021.56	175.03	10.0	11.0	80.0	9636.2	6.7	29.8	1989.0	67.8	426.8	147.9	425.9	271.1	440.7	477.3	6.2	22.0	1.2	313.9	357.3	294.8	19.0
SMDH 00708	814980.11	8196021.56	175.03	11.0	11.2	80.0	7473.0	5.1	25.3	1267.9	41.9	160.9	122.0	351.3	223.6	363.5	393.7	4.8	19.0	1.2	105.2	132.6	93.7	11.5
SMDH 00708	814980.11	8196021.56	175.03	11.2	11.8	80.0	7473.0	5.1	25.3	1267.9	41.9	160.9	122.0	351.3	223.6	363.5	393.7	4.8	19.0	1.2	105.2	132.6	93.7	11.5
SMDH 00707	814693.36	8196017.34	174.52	0.0	1.0	50.0	7192.7	4.8	27.7	552.1	33.6	945.6	78.0	224.8	143.1	232.6	251.9	4.5	22.0	0.9	316.8	336.9	306.5	10.3
SMDH 00707	814693.36	8196017.34	174.52	1.0	2.0	70.0	5176.3	2.4	18.6	831.3	69.6	970.8	101.5	292.3	186.1	302.6	327.6	2.1	14.8	1.4	532.7	576.7	512.5	20.3
SMDH 00707	814693.36	8196017.34	174.52	2.0	3.0	80.0	5101.1	2.9	15.1	1250.7	55.6	499.6	89.1	256.6	163.3	265.5	287.5	2.6	10.8	1.4	269.2	306.4	255.1	14.1
SMDH 00707	814693.36	8196017.34	174.52	3.0	4.0	80.0	4089.6	2.4	11.7	1074.8	17.9	333.1	66.6	191.8	122.1	198.5	215.0	2.1	8.1	1.3	193.5	204.3	188.5	5.0
SMDH 00707	814693.36	8196017.34	174.52	4.0	5.0	80.0	7540.3	4.8	18.3	2521.9	38.9	517.2	74.6	214.9	136.8	222.4	240.8	4.4	12.4	1.1	213.6	237.6	201.6	11.9
SMDH 00707	814693.36	8196017.34	174.52	5.0	6.0	80.0	10505.8	7.0	17.1	5007.0	21.1	253.5	47.8	137.7	87.6	142.5	154.3	6.4	9.4	0.8	159.1	172.3	153.2	5.9
SMDH 00707	814693.36	8196017.34	174.52	6.0	7.0	80.0	4839.2	3.0	11.0	1755.5	10.8	308.1	51.1	147.2	93.7	152.3	164.9	2.7	7.0	1.1	151.7	158.0	148.8	2.9
SMDH 00707	814693.36	8196017.34	174.52	7.0	8.0	80.0	5773.5	3.6	14.0	1930.4	19.9	423.2	72.8	209.7	133.5	217.0	235.0	3.2	9.3	1.2	189.8	201.7	184.2	5.6
SMDH 00707	814693.36	8196017.34	174.52	8.0	8.5	80.0	5474.8	3.2	16.2	1323.6	48.4	568.5	85.1	245.2	156.1	253.7	274.8	2.9	11.8	1.2	290.3	320.8	276.4	13.9
SMDH 00707	814693.36	8196017.34	174.52	8.5	9.0	80.0	5474.8	3.2	16.2	1323.6	48.4	568.5	85.1	245.2	156.1	253.7	274.8	2.9	11.8	1.2	290.3	320.8	276.4	13.9
SMDH 00706	814414.20	8196018.03	174.37	0.0	1.0	20.0	5670.5	3.0	22.1	575.8	41.9	888.8	139.4	401.6	255.6	415.6	450.0	2.7	18.1	1.0	326.4	352.3	313.8	12.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00706	814414.20	8196018.03	174.37	1.0	2.0	80.0	5123.2	2.7	18.4	774.6	44.5	635.6	109.8	316.3	201.3	327.3	354.5	2.5	14.4	1.3	372.6	399.7	359.4	13.2
SMDH 00706	814414.20	8196018.03	174.37	2.0	3.0	80.0	4931.4	2.8	16.0	993.2	37.7	526.2	81.4	234.5	149.3	242.7	262.8	2.5	11.9	1.3	286.1	309.1	275.1	11.0
SMDH 00706	814414.20	8196018.03	174.37	3.0	4.0	80.0	5074.3	3.0	16.0	1109.3	41.8	465.3	74.5	214.5	136.5	222.0	240.4	2.7	11.8	1.2	289.3	315.1	277.2	12.2
SMDH 00706	814414.20	8196018.03	174.37	4.0	5.0	80.0	5105.4	3.0	15.8	1136.5	41.6	529.5	77.5	223.1	142.0	230.9	250.1	2.7	11.6	1.2	283.3	309.2	271.4	11.9
SMDH 00706	814414.20	8196018.03	174.37	5.0	6.0	80.0	4932.2	2.9	15.1	1127.6	34.4	467.4	77.8	224.2	142.7	232.0	251.3	2.6	11.0	1.2	257.4	278.3	247.4	10.0
SMDH 00706	814414.20	8196018.03	174.37	6.0	7.0	80.0	4714.9	2.7	14.8	1009.2	34.1	489.4	73.9	212.9	135.5	220.3	238.6	2.5	10.9	1.2	233.6	255.0	224.0	9.6
SMDH 00706	814414.20	8196018.03	174.37	7.0	8.0	80.0	5359.8	3.1	16.8	1152.2	42.7	578.9	81.4	234.5	149.3	242.7	262.8	2.9	12.6	1.2	309.8	335.8	297.0	12.8
SMDH 00706	814414.20	8196018.03	174.37	8.0	9.0	80.0	5088.9	2.9	16.2	1057.2	43.0	522.2	82.7	238.1	151.6	246.4	266.8	2.7	12.1	1.2	277.1	303.7	264.5	12.6
SMDH 00706	814414.20	8196018.03	174.37	9.0	10.0	80.0	5703.8	3.3	18.1	1231.8	40.1	550.1	94.3	271.6	172.9	281.1	304.4	3.0	13.5	1.2	353.0	377.5	341.3	11.7
SMDH 00706	814414.20	8196018.03	174.37	10.0	11.0	80.0	5734.2	3.4	17.9	1256.8	45.9	586.7	89.1	256.6	163.3	265.5	287.5	3.1	13.3	1.3	341.5	369.8	327.8	13.7
SMDH 00706	814414.20	8196018.03	174.37	11.0	12.0	80.0	5492.5	3.2	17.2	1249.0	40.7	412.3	82.5	237.6	151.3	245.9	266.3	2.9	12.8	1.2	348.6	373.9	337.2	11.4
SMDH 00706	814414.20	8196018.03	174.37	12.0	13.0	80.0	5977.1	3.6	19.0	1296.5	43.8	427.5	88.0	253.5	161.4	262.4	284.1	3.3	14.2	1.3	320.6	347.5	308.0	12.6
SMDH 00706	814414.20	8196018.03	174.37	13.0	13.5	80.0	5702.0	3.4	18.3	1168.5	58.8	490.0	84.1	242.3	154.3	250.8	271.6	3.1	13.7	1.3	271.9	308.5	254.4	17.5
SMDH 00705	814131.05	8196015.01	169.84	0.0	1.0	40.0	4712.0	2.4	16.2	722.5	59.9	1032.4	88.7	255.5	162.6	264.4	286.3	2.1	12.5	1.2	392.7	430.0	374.8	17.9
SMDH 00705	814131.05	8196015.01	169.84	1.0	2.0	60.0	5320.9	3.1	15.1	1433.5	51.0	480.9	73.7	212.3	135.1	219.7	237.9	2.8	10.9	1.1	289.5	321.6	274.6	14.9
SMDH 00705	814131.05	8196015.01	169.84	2.0	3.0	80.0	10764.3	7.1	14.2	5680.4	31.7	268.9	44.6	128.3	81.7	132.8	143.8	6.5	6.3	0.7	189.4	209.4	180.3	9.1
SMDH 00705	814131.05	8196015.01	169.84	3.0	4.0	80.0	7835.5	4.9	15.0	3350.6	40.9	377.7	65.8	189.6	120.7	196.2	212.4	4.5	9.1	1.0	287.6	313.3	276.1	11.6
SMDH 00705	814131.05	8196015.01	169.84	4.0	5.0	80.0	6791.4	4.1	17.5	2158.2	52.9	410.5	85.4	245.9	156.6	254.5	275.6	3.8	12.3	1.1	339.4	372.8	324.4	15.0
SMDH 00705	814131.05	8196015.01	169.84	5.0	6.0	80.0	6664.1	4.0	18.8	1813.1	71.5	556.2	92.4	266.2	169.5	275.5	298.3	3.6	13.6	1.2	390.8	437.0	371.0	19.8
SMDH 00705	814131.05	8196015.01	169.84	6.0	7.0	80.0	6450.9	3.9	17.9	1794.3	59.6	538.3	93.7	269.9	171.8	279.4	302.5	3.5	12.9	1.2	370.6	408.3	353.5	17.1
SMDH 00705	814131.05	8196015.01	169.84	7.0	8.0	80.0	5323.2	3.2	16.1	1211.3	56.9	522.0	80.8	232.7	148.1	240.8	260.8	2.9	11.8	1.2	270.2	306.4	253.7	16.4
SMDH 00705	814131.05	8196015.01	169.84	8.0	9.0	80.0	5370.1	3.1	16.6	1237.4	53.7	453.3	85.1	245.2	156.1	253.8	274.8	2.8	12.3	1.2	346.3	379.9	330.6	15.7
SMDH 00705	814131.05	8196015.01	169.84	9.0	10.0	80.0	5872.8	3.4	18.1	1326.2	59.8	697.6	97.1	279.8	178.1	289.5	313.5	3.0	13.5	1.2	413.6	451.2	396.5	17.1
SMDH 00705	814131.05	8196015.01	169.84	10.0	11.0	80.0	5697.9	3.3	18.0	1229.6	68.0	547.6	97.0	279.4	177.9	289.2	313.1	3.0	13.5	1.2	399.2	442.1	379.5	19.6
SMDH 00705	814131.05	8196015.01	169.84	11.0	12.0	70.0	6021.6	3.5	18.9	1297.0	68.1	664.2	99.1	285.4	181.7	295.3	319.8	3.2	14.2	1.2	397.1	440.3	377.5	19.6
SMDH 00705	814131.05	8196015.01	169.84	12.0	12.5	80.0	5645.7	3.3	17.4	1266.0	56.4	592.6	94.2	271.2	172.7	280.7	304.0	3.0	12.9	1.2	351.6	387.9	336.0	15.6
SMDH 00705	814131.05	8196015.01	169.84	12.5	13.0	80.0	5645.7	3.3	17.4	1266.0	56.4	592.6	94.2	271.2	172.7	280.7	304.0	3.0	12.9	1.2	351.6	387.9	336.0	15.6
SMDH 00704	813853.77	8196018.16	166.27	0.0	1.0	20.0	3508.5	1.8	10.6	671.3	40.8	1185.0	62.7	180.5	114.9	186.8	202.2	1.6	8.3	0.5	343.9	369.1	331.9	12.0
SMDH 00704	813853.77	8196018.16	166.27	1.0	2.0	50.0	3401.5	1.7	9.1	793.2	49.3	1378.9	71.6	206.3	131.3	213.5	231.2	1.4	6.9	0.5	439.7	470.1	425.0	14.8
SMDH 00704	813853.77	8196018.16	166.27	2.0	3.0	80.0	4814.6	2.8	14.6	1146.6	21.0	391.3	81.2	233.9	148.9	242.1	262.2	2.6	10.5	1.3	234.5	247.3	228.5	6.0
SMDH 00704	813853.77	8196018.16	166.27	3.0	4.0	80.0	7656.2	4.8	15.1	3136.7	25.1	579.6	73.0	210.3	133.9	217.6	235.7	4.4	9.2	1.1	328.6	343.6	321.5	7.0
SMDH 00704	813853.77	8196018.16	166.27	4.0	5.0	80.0	5786.9	3.5	13.5	2004.2	23.9	497.5	70.3	202.4	128.8	209.4	226.8	3.2	8.8	1.2	274.6	289.0	267.8	6.8
SMDH 00704	813853.77	8196018.16	166.27	5.0	6.0	80.0	9615.8	6.5	28.9	2267.4	39.7	231.0	150.8	434.4	276.5	449.5	486.8	6.1	21.3	1.1	99.7	124.8	88.1	11.5
SMDH 00704	813853.77	8196018.16	166.27	6.0	7.0	80.0	9301.0	6.0	27.6	2275.8	44.9	518.9	148.1	426.5	271.5	441.3	477.9	5.6	20.5	1.1	299.5	327.4	286.4	13.1
SMDH 00704	813853.77	8196018.16	166.27	7.0	8.0	80.0	5369.7	3.1	14.7	1558.9	23.2	479.8	85.4	245.9	156.5	254.5	275.6	2.8	10.4	1.2	357.0	370.7	350.5	6.6
SMDH 00704	813853.77	8196018.16	166.27	8.0	8.3	30.0	5252.3	3.0	14.6	1439.8	23.6	613.7	82.0	236.3	150.4	244.6	264.8	2.7	10.3	1.2	310.9	324.9	304.5	6.4
SMDH 00703	813573.09	8196024.23	166.10	0.0	1.0	20.0	3095.6	1.5	10.2	588.0	36.5	736.3	46.1	132.8	84.5	137.5	148.8	1.4	8.1	0.5	309.7	332.6	299.3	10.4
SMDH 00703	813573.09	8196024.23	166.10	1.0	2.0	70.0	4028.5	1.9	12.1	931.5	58.5	1041.8	67.6	194.6	123.9	201.4	218.1	1.6	9.2	0.9	501.9	538.4	484.5	17.5
SMDH 00703	813573.09	8196024.23	166.10	2.0	3.0	80.0	7871.6	4.1	18.0	2388.7	104.7	2883.7	92.2	265.6	169.0	274.8	297.6	3.4	12.7	1.2	870.0	934.9	839.6	30.3
SMDH 00703	813573.09	8196024.23	166.10	3.0	4.0	80.0	6616.1	4.1	14.4	2487.4	51.6	523.6	62.5	180.0	114.6	186.3	201.7	3.7	9.3	1.0	387.3	419.6	372.4	14.9
SMDH 00703	813573.09	8196024.23	166.10	4.0	5.0	80.0	6299.9	3.8	13.9	2357.2	52.4	572.9	69.0	198.8	126.6	205.8	222.8	3.4	9.1	1.0	389.7	422.6	374.7	15.0
SMDH 00703	813573.09	8196024.23	166.10	5.0	6.0	80.0	6542.0	4.1	13.2	2669.2	40.4	301.9	48.1	138.5	88.2	143.4	155.3	3.8	8.1	1.0	265.1	290.2	253.2	11.8
SMDH 00703	813573.09	8196024.23	166.10	6.0	7.0	80.0	5925.0	3.3	16.2	1712.8	55.9	689.3	78.3	225.4	143.5	233.3	252.6	3.0	11.8	1.1	400.3	435.7	384.8	15.5
SMDH 00703	813573.09	8196024.23	166.10	7.0	8.0	80.0	4822.2	2.6	14.3	1229.0	57.2	565.8	75.3	216.7	138.0	224.3	242.9	2.3	10.6	1.2	401.7	437.7	385.1	16.5
SMDH 00703	813573.09	8196024.23	166.10	8.0	8.5	80.0	5061.8	2.7	15.0	1304.1	62.6	611.4	80.1	230.8	146.9	238.9	258.7	2.4	11.1	1.2	474.2	512.9	455.2	19.0
SMDH 00702	813292.49	8196005.53	168.57	0.0	1.0	30.0	5263.3	2.7	13.9	1500.7	62.8	1250.5	76.9	221.4	140.9	229.1	248.1	2.3	10.1	1.1	536.9	575.6	518.1	18.8
SMDH 00702	813292.49	8196005.53	168.57	1.0	2.0	70.0	10602.1	7.2	15.2	5261.2	31.8	436.8	51.0	146.9	93.5	152.0	164.6	6.5	7.2	0.8	219.8	239.5	210.9	8.9
SMDH 00702	813292.49	8196005.53	168.57	2.0	3.0	80.0	8194.0	5.7	14.9	3417.1	28.3	374.7	57.4	165.3	105.2	171.1	185.3	5.3	8.2	0.9	275.1	292.2	267.3	7.8
SMDH 00702	813292.49	8196005.53	168.57	3.0	4.0	80.0	6627.9	4.5	16.0	2114.3	25.5	382.1	75.6	217.8	138.6	225.4	244.1	4.1	10.4	1.1	266.4	281.6	259.2	7.1
SMDH 00702	813292.49	8196005.53	168.57	4.0	5.0	80.0	7450.7	4.9	17.4	2511.9	40.9	493.9	79.1	227.8	145.0	235.8	255.3	4.5	11.4	1.1	297.2	322.4	285.7	11.4
SMDH 00702	813292.49	8196005.53	168.57	5.0	6.0	80.0	5695.1	3.5	15.8	1582.1	25.6	369.6	75.5	217.4	138.4	225.0	243.6	3.2	11.0	1.2	241.6	257.4	234.4	7.3
SMDH 00702	813292.49	8196005.53	168.57	6.0	7.0	80.0	6064.9	3.6	16.5	1775.4	35.8	383.3	81.9	235.8	150.1	244.1	264.3	3.3	11.5	1.4	346.1	368.0	335.6	10.6
SMDH 00702	813292.49	8196005.53	168.57	7.0	8.0	80.0	5331.8	3.3	14.6	1503.7	21.5	390.4	70.3	202.5	128.9	209.6	226.9	3.0	10.0	1.3	213.6	226.7	207.7	5.9
SMDH 00702	813292.49	8196005.53	168.57	8.0	9.0	80.0	5768.3	3.5	16.9	1412.4	32.0	566.6	87.2	251.0	159.8	259.8	281.3	3.2	12.0	1.4	255.9	275.8	247.0	8.9
SMDH 00702	813292.49	8196005.53	168.57	9.0	10.0	80.0	5270.0	3.0	15.7	1268.3	35.8	627.9	82.7	238.1	151.6	246.5	266.9	2.7	11.3	1.3	343.0	365.4	333.1	9.9
SMDH 00702	813292.49	8196005.53	168.57	10.0	11.0	80.0	5433.7	3.1	17.2	1096.1	48.1	696.0	94.5	272.2	173.3	281.8	305.1	2.8	12.8	1.3	327.2	358.3	314.4	12.8
SMDH 00702	813292.49	8196005.53	168.57	11.0	12.0	80.0	5477.3	3.1	17.0	1174.2	39.4	816.7	95.7	275.7	175.5	285.4	309.0	2.8	12.6	1.3	401.4	426.0	390.4	11.1
SMDH 00702	813292.49	8196005.53	168.57	12.0	13.0	80.0	5659.9	3.2	17.6	1250.8	40.7	788.5	96.9	279.1	177.7	288.8	312.8	2.8	13.1	1.3	466.8	491.8	454.9	11.9
SMDH 00702	813292.49	8196005.53	168.57	13.0	13.6	80.0	4945.1	2.8	15.6	1031.0	35.2	626.9	90.2	259.7	165.3	268.8	291.1	2.5	11.5	1.3	339.0	361.1	329.3	9.7
SMDH 00702	813292.49	8196005.53	168.57	13.6	14.0	80.0	4945.1	2.8	15.6	1031.0	35.2	626.9	90.2	259.7	165.3	268.8	291.1	2.5	11.5	1.3	339.0	361.1	329.3	9.7
SMDH 00701	813009.79	8196023.87	170.88	0.0	1.0	40.0	3944.6	1.9	13.9	632.1	30.2	851.0	70.4	202.7	129.0	209.8	227.1	1.6	10.8	1.2	362.7	381.2	354.1	8.6
SMDH 00701	813009.79	8196023.87	170.88	1.0	2.0	80.0	3712.1	1.9	13.3	544.6	22.5	487.7	72.0	207.3	132.0	214.6	232.4	1.7	10.0	1.4	250.9	264.1	244.1	6.9
SMDH 00701	813009.79	8196023.87	170.88	2.0	3.0	80.0	8773.4	5.4	16.3	3925.5	17.3	409.4	73.1	210.5	134.0	217.8	235.9	4.9	9.8	1.1	426.4	436.1	421.4	5.0
SMDH 00701	813009.79	8196023.87	170.88	3.0	4.0	80.0	7267.6	4.6	14.8	2903.7	8.0	521.4	77.5	223.3	142.1	231.1	250.3	4.1	9.1	1.2	144.5	149.1	142.4	2.1
SMDH 00701	813009.79	8196023.87	170.88	4.0	4.3	40.0	5742.3	3.5	14.9	1734.7	16.0	489.7	80.6	232.2	147.8	240.3	260.2	3.2	10.1	1.3	88.0	98.0	83.6	4.4
SMDH 00700	812737.96	8196024.44	166.29	0.0	1.0	30.0	4165.0	2.2	14.5	668.9	54.2	673.5	70.0	201.7	128.4	208.8	226.1	2.0	11.4	1.0	344.7	379.2	329.2	15.5
SMDH 00700	812737.96	8196024.44	166.29	1.0	2.0	60.0	4559.3	2.5	13.8	1047.9	77.0	567.8	68.2	196.5	125.1	203.3	220.2	2.2	10.0	1.4	301.2	351.4	279.9	21.3
SMDH 00700	812737.96	8196024.44	166.29	2.0	3.0	80.0	6565.7	4.1	14.4	2475.9	53.0	298.3	55.7	160.4	102.1	166.0	179.8	3.8	9.1	1.2	257.0	291.2	242.4	14.5
SMDH 00700	812737.96	8196024.44	166.29	3.0	4.0	80.0	6797.5	4.5	16.3	2199.6	52.9	355.6	65.5	188.6	120.1	195.2	211.4	4.2	10.5	1.3	293.2	326.7	278.6	14.7
SMDH 00700	812737.96	8196024.44	166.29	4.0	5.0	80.0	6868.1	4.5	20.0	1626.5	77.5	462.9	79.2	228.0	145.2	236.0	255.6	4.1	14.1	1.4	334.2	383.3	312.0	22.3
SMDH 00700	812737.96	8196024.44	166.29	5.0	6.0	80.0	5906.3	3.7	17.9	1224.1	68.1	693.1	88.0	253.4	161.3	262.2	284.0	3.4	12.8	1.4	313.5	357.1	294.1	19.4
SMDH 00700	812737.96	8196024.44	166.29	6.0	7.0	80.0	4810.4	2.8	15.2	934.3	63.1	603.8	75.1	216.3	137.7	223.9	242.4	2.6	11.0	1.3	354.4	394.2	336.1	18.3
SMDH 00700	812737.96	8196024.44	166.29	7.0	7.9	80.0	4930.1	2.8	15.5	973.0	72.4	649.8	79.9	230.2	146.5	238.3	258.0	2.6	11.3	1.4	364.5	411.1	344.2	20.3
SMDH 00700	812737.96	8196024.44	166.29	7.9	8.0	80.0	4930.1	2.8	15.5	973.0	72.4	649.8	79.9	230.2	146.5	238.3	258.0	2.6	11.3	1.4	364.5	411.1	344.2	20.3
SMDH 00718	813162.48	8196274.84	168.22	0.0	1.0	50.0	4060.4	1.9	13.7	686.1	46.0	1157.4	69.9	201.2	128.1	208.2	225.5	1.6	10.8	1.0	417.4	445.6	403.6	13.8
SMDH 00718	813162.48	8196274.84	168.22	1.0	2.0	70.0	3922.7	2.0	14.1	535.3	32.6	753.8	76.0	218.8	139.2	226.4	245.2	1.8	10.9	1.1	297.4	317.6	288.1	9.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00718	813162.48	8196274.84	168.22	2.0	3.0	80.0	5571.3	3.0	16.3	746.4	21.1	3007.9	90.7	261.3	166.3	270.4	292.8	2.5	12.0	1.3	268.4	280.9	262.3	6.0
SMDH 00718	813162.48	8196274.84	168.22	3.0	4.0	70.0	5906.1	3.7	13.7	1998.7	15.1	741.8	66.3	191.1	121.6	197.8	214.2	3.3	9.0	1.0	257.4	266.1	253.3	4.1
SMDH 00718	813162.48	8196274.84	168.22	4.0	5.0	80.0	4546.7	2.7	13.5	1053.4	12.3	576.9	73.0	210.4	133.9	217.7	235.7	2.5	9.7	1.1	218.5	225.5	215.0	3.5
SMDH 00718	813162.48	8196274.84	168.22	5.0	6.0	80.0	5686.5	3.3	17.1	1291.8	29.6	775.4	88.3	254.3	161.9	263.2	285.0	3.0	12.6	1.2	354.3	371.5	345.0	9.3
SMDH 00718	813162.48	8196274.84	168.22	6.0	7.0	80.0	5499.4	3.1	15.4	1476.6	34.7	725.8	78.3	225.4	143.5	233.2	252.6	2.8	11.1	1.2	440.3	460.9	429.9	10.5
SMDH 00718	813162.48	8196274.84	168.22	7.0	7.6	80.0	4712.1	2.8	14.3	1059.6	16.9	581.5	80.5	231.8	147.6	239.9	259.8	2.5	10.3	1.2	244.0	253.7	239.1	4.9
SMDH 00718	813162.48	8196274.84	168.22	7.6	8.0	80.0	4712.1	2.8	14.3	1059.6	16.9	581.5	80.5	231.8	147.6	239.9	259.8	2.5	10.3	1.2	244.0	253.7	239.1	4.9
SMDH 00719	813434.22	8196302.16	171.64	0.0	1.0	80.0	4710.1	2.3	16.8	695.7	51.0	885.7	78.4	225.8	143.7	233.7	253.0	2.1	13.2	1.3	401.3	433.3	386.5	14.8
SMDH 00719	813434.22	8196302.16	171.64	1.0	2.0	80.0	4733.0	2.5	16.1	793.3	56.9	756.3	82.8	238.6	151.9	246.9	267.3	2.3	12.4	1.2	404.3	440.0	387.7	16.5
SMDH 00719	813434.22	8196302.16	171.64	2.0	3.0	70.0	4812.3	2.7	15.9	928.4	48.7	509.3	82.0	236.1	150.3	244.4	264.6	2.5	11.9	1.3	356.5	386.6	342.1	14.4
SMDH 00719	813434.22	8196302.16	171.64	3.0	4.0	80.0	6190.7	3.6	16.6	1830.5	48.7	600.4	84.0	241.8	153.9	250.3	271.0	3.3	11.8	1.2	421.1	451.3	406.9	14.2
SMDH 00719	813434.22	8196302.16	171.64	4.0	5.0	80.0	5818.7	3.4	17.2	1453.8	54.5	547.3	86.9	250.4	159.4	259.1	280.6	3.0	12.6	1.3	415.0	449.2	399.5	15.5
SMDH 00719	813434.22	8196302.16	171.64	5.0	6.0	80.0	5387.7	3.1	16.7	1218.0	42.0	525.5	92.2	265.6	169.0	274.8	297.6	2.8	12.4	1.3	386.3	412.2	374.5	11.9
SMDH 00719	813434.22	8196302.16	171.64	6.0	7.0	80.0	5486.9	3.2	16.7	1281.7	48.7	577.2	85.0	244.8	155.8	253.3	274.3	2.9	12.3	1.2	357.4	388.3	343.7	13.7
SMDH 00719	813434.22	8196302.16	171.64	7.0	8.0	80.0	5311.0	3.1	14.6	1516.2	57.8	330.9	72.7	209.5	133.3	216.8	234.8	2.9	10.3	1.2	301.5	338.6	285.0	16.5
SMDH 00719	813434.22	8196302.16	171.64	8.0	9.0	80.0	5524.1	3.1	16.6	1355.1	55.2	557.2	89.8	258.8	164.7	267.8	290.0	2.8	12.3	1.2	410.8	445.5	394.9	15.9
SMDH 00719	813434.22	8196302.16	171.64	9.0	9.2	50.0	4525.8	2.7	13.5	1045.0	17.6	415.1	68.0	195.9	124.7	202.7	219.5	2.5	9.5	1.3	165.0	175.4	160.3	4.6
SMDH 00720	813721.94	8196296.06	167.33	0.0	1.0	20.0	5174.5	2.5	15.4	1264.4	78.6	1112.8	85.3	245.6	156.3	254.2	275.2	2.1	11.8	1.2	714.6	764.0	692.1	22.5
SMDH 00720	813721.94	8196296.06	167.33	1.0	2.0	80.0	5802.4	3.5	13.9	1966.3	33.6	531.8	66.5	191.4	121.9	198.1	214.6	3.1	9.2	1.2	250.3	271.2	241.0	9.3
SMDH 00720	813721.94	8196296.06	167.33	2.0	3.0	80.0	6725.0	4.2	15.5	2385.0	26.7	448.7	74.0	213.1	135.7	220.6	238.9	3.8	10.2	1.1	274.9	291.1	267.5	7.4
SMDH 00720	813721.94	8196296.06	167.33	3.0	4.0	80.0	6381.7	3.9	17.0	1868.5	64.6	482.7	89.0	256.3	163.1	265.2	287.2	3.5	12.0	1.2	424.7	465.1	406.1	18.6
SMDH 00720	813721.94	8196296.06	167.33	4.0	5.0	80.0	6972.9	4.2	17.3	2267.1	45.3	706.2	89.4	257.6	164.0	266.6	288.7	3.7	12.0	1.2	468.5	495.4	454.8	13.6
SMDH 00720	813721.94	8196296.06	167.33	5.0	6.0	80.0	5457.9	3.3	14.6	1534.6	56.9	534.7	68.5	197.2	125.5	204.1	221.0	3.0	10.1	1.1	309.3	344.5	292.7	16.5
SMDH 00720	813721.94	8196296.06	167.33	6.0	7.0	80.0	5474.0	3.3	15.3	1449.3	44.6	527.9	74.0	213.1	135.7	220.6	238.9	3.0	10.8	1.3	269.9	297.3	257.0	12.9
SMDH 00720	813721.94	8196296.06	167.33	7.0	8.0	80.0	5521.4	3.1	15.3	1534.3	59.1	632.5	81.4	234.5	149.3	242.7	262.8	2.8	11.0	1.3	464.0	500.0	446.8	17.2
SMDH 00720	813721.94	8196296.06	167.33	8.0	9.0	80.0	5981.9	3.4	18.0	1426.4	54.8	734.5	100.3	288.7	183.8	298.8	323.6	3.0	13.4	1.2	546.3	579.4	530.1	16.2
SMDH 00720	813721.94	8196296.06	167.33	9.0	9.5	40.0	6217.8	3.4	17.7	1718.9	38.8	744.6	95.1	274.0	174.4	283.6	307.1	3.1	13.0	1.3	604.9	627.2	593.0	11.9
SMDH 00721	813997.05	8196298.10	170.47	0.0	1.0	20.0	4762.8	2.4	18.1	541.7	39.7	844.7	87.4	251.7	160.2	260.5	282.1	2.2	14.3	1.3	291.7	316.4	280.1	11.6
SMDH 00721	813997.05	8196298.10	170.47	1.0	2.0	70.0	3950.8	2.1	13.5	688.5	42.0	490.7	64.1	184.7	117.6	191.2	207.0	1.9	10.0	1.4	272.7	298.8	260.2	12.5
SMDH 00721	813997.05	8196298.10	170.47	2.0	3.0	80.0	3719.4	2.0	9.9	1174.0	30.6	177.5	42.6	122.8	78.1	127.1	137.6	1.8	6.6	1.3	279.6	298.5	271.1	8.5
SMDH 00721	813997.05	8196298.10	170.47	3.0	4.0	80.0	4059.6	2.5	7.8	1757.8	22.4	170.9	25.4	73.1	46.5	75.7	81.9	2.2	4.5	0.9	215.2	228.8	208.7	6.5
SMDH 00721	813997.05	8196298.10	170.47	4.0	4.9	80.0	4266.8	2.6	8.4	1777.0	26.6	242.3	36.9	106.2	67.6	109.9	119.0	2.3	4.8	1.0	228.5	244.8	220.9	7.6
SMDH 00721	813997.05	8196298.10	170.47	4.9	5.0	80.0	4266.8	2.6	8.4	1777.0	26.6	242.3	36.9	106.2	67.6	109.9	119.0	2.3	4.8	1.0	228.5	244.8	220.9	7.6
SMDH 00722	814267.52	8196293.85	173.44	0.0	1.0	20.0	6627.7	3.5	22.8	996.8	55.5	1362.5	277.8	800.1	509.3	828.1	896.7	2.9	18.3	1.1	583.6	617.5	567.1	16.4
SMDH 00722	814267.52	8196293.85	173.44	1.0	2.0	80.0	5704.1	3.2	19.1	1006.4	44.1	792.4	138.4	398.6	253.7	412.5	446.7	2.9	14.7	1.1	361.1	388.1	347.9	13.3
SMDH 00722	814267.52	8196293.85	173.44	2.0	3.0	80.0	5146.7	3.0	15.8	1176.1	40.2	566.3	78.7	226.7	144.3	234.6	254.0	2.7	11.6	1.2	311.7	337.0	300.6	11.1
SMDH 00722	814267.52	8196293.85	173.44	3.0	4.0	80.0	5592.2	3.3	16.9	1283.7	40.6	607.2	76.2	219.5	139.7	227.1	246.0	3.0	12.4	1.2	286.5	311.6	274.6	11.9
SMDH 00722	814267.52	8196293.85	173.44	4.0	5.0	80.0	6009.3	3.6	18.3	1387.5	41.0	598.2	88.8	255.7	162.8	264.6	286.6	3.3	13.4	1.3	315.3	340.5	303.4	11.9
SMDH 00722	814267.52	8196293.85	173.44	5.0	6.0	80.0	5889.1	3.5	18.0	1346.0	39.6	533.4	94.1	271.1	172.6	280.6	303.8	3.2	13.1	1.3	299.3	323.3	287.4	11.9
SMDH 00722	814267.52	8196293.85	173.44	6.0	7.0	80.0	6261.2	3.7	19.4	1398.9	58.3	572.7	91.0	262.1	166.9	271.3	293.8	3.4	14.4	1.3	381.3	417.1	363.8	17.5
SMDH 00722	814267.52	8196293.85	173.44	7.0	8.0	80.0	6496.3	3.9	20.6	1340.9	60.2	637.3	89.3	257.2	163.7	266.2	288.2	3.6	15.4	1.3	308.5	346.6	291.1	17.4
SMDH 00722	814267.52	8196293.85	173.44	8.0	9.0	80.0	5880.5	3.4	17.9	1350.4	55.3	684.2	97.3	280.3	178.4	290.1	314.1	3.1	13.3	1.2	422.6	456.7	406.8	15.8
SMDH 00722	814267.52	8196293.85	173.44	9.0	9.9	80.0	5367.2	3.1	16.8	1159.2	64.1	551.5	81.0	233.3	148.5	241.4	261.5	2.8	12.5	1.2	350.5	390.8	331.9	18.6
SMDH 00722	814267.52	8196293.85	173.44	9.9	10.0	80.0	5367.2	3.1	16.8	1159.2	64.1	551.5	81.0	233.3	148.5	241.4	261.5	2.8	12.5	1.2	350.5	390.8	331.9	18.6
SMDH 00723	814557.05	8196300.33	178.23	0.0	1.0	30.0	6315.7	3.3	25.3	573.1	43.2	813.8	158.0	455.1	289.7	471.0	510.0	3.0	20.5	1.5	318.0	344.4	304.8	13.2
SMDH 00723	814557.05	8196300.33	178.23	1.0	2.0	80.0	5521.5	2.9	22.9	357.9	29.7	785.2	129.5	372.9	237.3	385.9	417.8	2.6	18.7	1.4	211.6	229.7	202.5	9.1
SMDH 00723	814557.05	8196300.33	178.23	2.0	3.0	80.0	4552.3	2.4	18.6	273.6	30.8	734.2	107.0	308.2	196.2	318.9	345.4	2.1	14.8	1.4	141.9	160.9	132.4	9.5
SMDH 00723	814557.05	8196300.33	178.23	3.0	4.0	80.0	4976.6	2.5	18.1	702.8	41.1	815.8	102.7	295.9	188.4	306.2	331.6	2.3	14.3	1.3	388.5	413.4	376.1	12.3
SMDH 00723	814557.05	8196300.33	178.23	4.0	5.0	80.0	4784.4	2.6	15.9	885.6	38.5	707.4	90.1	259.4	165.1	268.4	290.7	2.3	12.2	1.2	293.9	317.4	282.5	11.4
SMDH 00723	814557.05	8196300.33	178.23	5.0	6.0	70.0	4575.5	2.5	14.6	889.5	53.7	704.9	82.3	237.1	150.9	245.4	265.7	2.3	10.9	1.2	294.3	328.3	279.0	15.3
SMDH 00723	814557.05	8196300.33	178.23	6.0	7.0	80.0	4279.3	2.4	13.6	890.5	69.8	446.8	71.6	206.3	131.3	213.5	231.2	2.1	10.1	1.2	339.3	384.5	319.6	19.7
SMDH 00723	814557.05	8196300.33	178.23	7.0	8.0	80.0	4907.3	2.8	14.3	1193.9	58.4	563.9	76.5	220.5	140.3	228.2	247.1	2.6	10.4	1.1	278.7	316.3	262.4	16.3
SMDH 00723	814557.05	8196300.33	178.23	8.0	9.0	80.0	4668.8	2.7	13.7	1142.3	56.7	568.1	69.4	199.8	127.2	206.8	224.0	2.4	9.9	1.2	292.0	327.8	275.6	16.4
SMDH 00723	814557.05	8196300.33	178.23	9.0	10.0	80.0	4497.5	2.7	14.0	895.0	40.5	682.7	66.6	191.9	122.1	198.6	215.0	2.4	10.3	1.0	143.8	169.2	132.2	11.6
SMDH 00723	814557.05	8196300.33	178.23	10.0	11.0	80.0	4548.3	2.8	13.0	1097.0	34.9	563.0	62.8	180.9	115.2	187.2	202.8	2.5	9.0	1.2	54.8	76.1	44.4	10.4
SMDH 00723	814557.05	8196300.33	178.23	11.0	12.0	80.0	5415.7	3.1	16.0	1317.6	36.0	647.5	83.7	241.1	153.5	249.5	270.2	2.8	11.7	1.2	274.7	296.6	264.3	10.4
SMDH 00723	814557.05	8196300.33	178.23	12.0	13.0	80.0	5343.4	3.1	16.3	1199.7	38.5	748.2	83.9	241.7	153.8	250.1	270.9	2.8	12.1	1.1	273.1	296.4	261.9	11.2
SMDH 00723	814557.05	8196300.33	178.23	13.0	14.0	80.0	4989.9	2.8	15.7	1028.7	38.9	789.6	83.6	240.9	153.4	249.3	270.0	2.5	11.7	1.2	269.0	292.6	257.7	11.3
SMDH 00723	814557.05	8196300.33	178.23	14.0	15.0	80.0	5307.9	3.0	17.1	1061.8	37.3	675.3	93.8	270.1	171.9	279.5	302.7	2.7	12.9	1.2	287.9	310.5	277.1	10.8
SMDH 00723	814557.05	8196300.33	178.23	15.0	16.0	80.0	4905.4	2.8	15.8	944.3	39.6	695.3	84.2	242.4	154.3	250.9	271.7	2.5	11.9	1.1	254.1	278.0	242.3	11.8
SMDH 00723	814557.05	8196300.33	178.23	16.0	16.5	80.0	4075.2	2.4	11.8	1007.2	22.2	431.2	59.9	172.4	109.8	178.4	193.2	2.2	8.2	1.2	97.9	111.4	91.8	6.1
SMDH 00724	814832.16	8196297.42	174.99	0.0	1.0	20.0	8637.6	6.8	29.8	839.5	38.4	861.1	77.7	223.7	142.4	231.5	250.7	6.5	22.0	1.0	493.3	516.0	481.4	11.9
SMDH 00724	814832.16	8196297.42	174.99	1.0	2.0	80.0	5565.5	2.8	21.5	648.7	41.5	732.3	114.9	330.9	210.7	342.5	370.9	2.5	16.9	1.8	358.8	384.3	346.7	12.2
SMDH 00724	814832.16	8196297.42	174.99	2.0	3.0	80.0	5627.6	3.1	17.5	1255.1	70.5	621.8	103.5	298.0	189.7	308.4	334.0	2.8	13.0	1.4	447.5	491.9	427.3	20.2
SMDH 00724	814832.16	8196297.42	174.99	3.0	4.0	80.0	6125.1	3.4	18.8	1441.3	73.7	630.8	107.1	308.5	196.4	319.3	345.8	3.1	14.1	1.2	554.2	600.9	533.3	21.0
SMDH 00724	814832.16	8196297.42	174.99	4.0	5.0	80.0	9165.5	6.3	29.4	1769.1	43.4	292.0	147.6	425.2	270.6	440.0	476.5	6.0	22.0	1.1	177.7	205.1	165.1	12.6
SMDH 00724	814832.16	8196297.42	174.99	5.0	6.0	80.0	9854.7	7.0	30.1	2032.0	52.1	417.0	156.9	451.9	287.7	467.7	506.5	6.6	22.0	1.1	200.5	233.6	185.4	15.0
SMDH 00724	814832.16	8196297.42	174.99	6.0	7.0	80.0	11580.4	9.1	32.2	2609.0	48.2	200.6	180.7	520.4	331.3	538.6	583.2	8.6	22.0	1.1	76.6	107.8	63.0	13.6
SMDH 00725	815126.63	8196297.77	174.55	0.0	1.0	40.0	5584.9	2.7	18.6	1071.1	73.0	1106.2	98.0	282.4	179.7	292.2	316.4	2.4	14.7	1.2	614.5	660.3	593.8	20.7
SMDH 00725	815126.63	8196297.77	174.55	1.0	2.0	80.0	9466.7	5.9	18.8	3906.3	48.2	665.6	85.2	245.4	156.2	253.9	275.0	5.3	11.9	1.0	354.3	384.4	340.4	13.9
SMDH 00725	815126.63	8196297.77	174.55	2.0	3.0	80.0	7499.7	4.6	14.4	3173.0	41.3	638.8	70.1	202.0	128.6	209.0	226.3	4.1	8.9	1.0	425.1	449.9	412.9	12.3
SMDH 00725	815126.63	8196297.77	174.55	3.0	4.0	80.0	6302.2	3.6	17.5	1772.7	65.5	666.6	92.5	266.4	169.6	275.7	298.5	3.2	12.7	1.2	524.1	564.0	504.5	19.6
SMDH 00725	815126.63	8196297.77	174.55	4.0	5.0	80.0	5960.2	3.4	16.3	1631.9	72.7	803.6	93.2	268.5	170.9	277.9	300.9	3.0	11.8	1.1	492.7	537.4	471.1	21.6
SMDH 00725	815126.63	8196297.77	174.55	5.0	6.0	80.0	6270.2	3.7	17.1	1727.7	62.7	813.3	97.5	280.9	178.8	290.7	314.8	3.3	12.3	1.2	518.3	556.8	500.0	18.3
SMDH 00725	815126.63	8196297.77	174.55	6.0	7.0	80.0	5577.7	3.2	17.4	1185.0	57.6	736.1	97.7	281.5	179.2	291.4	315.5	2.9	13.1	1.2	473.3	508.6	456.4	16.9
SMDH 00725	815126.63	8196297.77	174.55	7.0	8.0	80.0	5568.4	3.2	17.4	1166.3	63.9	723.0	90.6	260.9	166.1	270.0	292.4	2.9	13.0	1.2	453.0	492.8	434.2	18.8

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00725	815126.63	8196297.77	174.55	8.0	9.0	80.0	5551.8	3.1	16.2	1371.6	50.7	806.6	87.3	251.6	160.1	260.3	281.9	2.8	11.9	1.2	476.4	507.3	461.3	15.1
SMDH 00725	815126.63	8196297.77	174.55	9.0	10.0	80.0	5912.6	3.4	19.1	1141.1	59.4	847.3	100.2	288.4	183.6	298.5	323.3	3.1	14.5	1.2	457.9	494.1	440.3	17.5
SMDH 00725	815126.63	8196297.77	174.55	10.0	11.0	80.0	6231.2	3.6	19.6	1312.3	73.2	816.5	113.5	327.0	208.1	338.4	366.4	3.2	14.8	1.2	575.7	620.5	554.1	21.6
SMDH 00725	815126.63	8196297.77	174.55	11.0	12.0	80.0	6017.9	3.4	18.4	1305.2	65.7	904.0	107.6	309.9	197.3	320.7	347.3	3.1	13.7	1.3	522.2	562.3	502.9	19.3
SMDH 00725	815126.63	8196297.77	174.55	12.0	13.0	80.0	5183.9	3.2	15.4	1163.6	13.1	601.1	94.6	272.5	173.5	282.1	305.4	2.9	11.0	1.3	116.9	124.4	113.3	3.7
SMDH 00725	815126.63	8196297.77	174.55	13.0	13.2	80.0	5183.9	3.2	15.4	1163.6	13.1	601.1	94.6	272.5	173.5	282.1	305.4	2.9	11.0	1.3	116.9	124.4	113.3	3.7
SMDH 00726	815393.23	8196302.14	171.73	0.0	1.0	80.0	4213.9	2.3	13.8	680.4	60.9	1040.2	87.7	252.5	160.7	261.3	283.0	2.0	10.8	0.8	353.2	392.3	336.1	17.1
SMDH 00726	815393.23	8196302.14	171.73	1.0	2.0	80.0	5367.7	2.9	17.6	841.5	76.7	1418.0	112.4	323.6	206.0	334.9	362.7	2.5	13.6	1.1	460.7	509.5	439.1	21.5
SMDH 00726	815393.23	8196302.14	171.73	2.0	3.0	80.0	4529.6	2.3	12.9	1079.8	71.2	1293.8	87.8	253.0	161.0	261.8	283.5	1.9	9.9	0.8	613.3	658.0	592.4	20.9
SMDH 00726	815393.23	8196302.14	171.73	3.0	4.0	80.0	4432.6	2.4	14.8	777.4	45.2	807.9	70.3	202.6	128.9	209.6	227.0	2.2	11.6	0.8	394.2	422.5	381.3	13.0
SMDH 00726	815393.23	8196302.14	171.73	4.0	5.0	80.0	4689.1	2.4	16.5	777.3	36.4	801.1	75.3	216.9	138.1	224.5	243.1	2.2	13.1	0.9	390.8	412.7	379.9	10.9
SMDH 00726	815393.23	8196302.14	171.73	5.0	6.0	80.0	9013.7	6.1	29.3	1546.6	70.1	706.7	139.9	402.9	256.5	417.0	451.6	5.7	22.0	1.2	328.9	372.8	307.9	21.1
SMDH 00726	815393.23	8196302.14	171.73	6.0	7.0	80.0	7253.5	4.6	25.1	1094.6	68.0	638.7	110.8	319.2	203.2	330.4	357.8	4.3	19.3	1.3	331.7	374.3	311.9	19.8
SMDH 00726	815393.23	8196302.14	171.73	7.0	8.0	80.0	8914.7	7.2	30.3	946.7	41.8	346.8	155.5	447.9	285.1	463.5	501.9	6.9	22.0	1.1	81.2	107.1	68.2	13.0
SMDH 00726	815393.23	8196302.14	171.73	8.0	9.0	80.0	6568.2	4.5	16.2	2116.6	32.9	205.2	49.6	143.0	91.0	148.0	160.2	4.2	10.9	0.9	128.6	149.7	119.2	9.5
SMDH 00726	815393.23	8196302.14	171.73	9.0	10.0	80.0	10588.9	7.4	25.8	3554.4	28.2	74.3	55.0	158.4	100.8	163.9	177.5	7.0	17.5	0.9	80.0	98.4	72.5	7.5
SMDH 00726	815393.23	8196302.14	171.73	10.0	11.0	80.0	10821.3	7.6	30.3	2939.8	24.5	79.1	85.7	246.8	157.1	255.4	276.6	7.2	21.6	1.1	48.0	63.6	41.0	7.0
SMDH 00726	815393.23	8196302.14	171.73	11.0	12.0	80.0	9318.9	6.6	27.7	2238.7	19.3	56.1	56.1	161.7	102.9	167.4	181.2	6.3	20.0	1.1	46.1	58.1	40.7	5.4
SMDH 00726	815393.23	8196302.14	171.73	12.0	13.0	80.0	8762.4	6.3	25.8	2125.1	13.5	63.5	49.3	142.1	90.5	147.1	159.2	6.0	18.4	1.1	52.8	61.0	49.0	3.8
SMDH 00726	815393.23	8196302.14	171.73	13.0	14.0	80.0	9842.7	6.9	30.0	2318.7	17.6	35.1	41.7	120.1	76.5	124.3	134.6	6.6	21.8	1.4	72.2	83.1	67.3	4.9
SMDH 00726	815393.23	8196302.14	171.73	14.0	15.0	80.0	10093.5	7.2	30.4	2322.2	21.0	74.1	81.6	235.0	149.6	243.2	263.4	6.9	22.0	1.2	59.3	72.4	53.4	5.9
SMDH 00726	815393.23	8196302.14	171.73	15.0	16.0	80.0	5426.6	3.1	18.6	922.5	60.6	538.2	91.8	264.4	168.3	273.6	296.3	2.8	14.1	1.4	338.9	377.7	321.5	17.4
SMDH 00726	815393.23	8196302.14	171.73	16.0	17.0	80.0	4703.2	2.4	16.5	731.7	74.2	549.2	104.7	301.5	191.9	312.0	337.9	2.2	12.5	1.6	411.2	459.3	390.3	20.9
SMDH 00726	815393.23	8196302.14	171.73	17.0	18.0	80.0	3838.2	2.0	13.7	549.8	50.8	507.1	88.4	254.5	162.0	263.4	285.2	1.7	10.3	1.4	287.4	320.6	273.4	14.0
SMDH 00726	815393.23	8196302.14	171.73	18.0	19.0	80.0	4692.9	2.4	16.6	733.1	58.9	591.7	108.9	313.7	199.7	324.7	351.6	2.1	12.6	1.6	428.1	465.2	410.7	17.3
SMDH 00726	815393.23	8196302.14	171.73	19.0	20.0	80.0	4829.5	2.5	16.5	840.4	73.8	570.5	97.5	280.8	178.8	290.6	314.7	2.3	12.6	1.4	486.0	532.4	463.9	22.1
SMDH 00726	815393.23	8196302.14	171.73	20.0	21.0	80.0	5133.1	2.8	18.3	748.2	66.0	563.0	101.2	291.5	185.5	301.6	326.6	2.6	14.0	1.4	401.6	442.9	381.9	19.7
SMDH 00726	815393.23	8196302.14	171.73	21.0	22.0	80.0	3475.6	1.9	11.5	636.5	41.3	405.6	57.5	165.7	105.5	171.5	185.7	1.7	8.3	1.3	301.8	327.6	289.7	12.1
SMDH 00726	815393.23	8196302.14	171.73	22.0	23.0	80.0	3847.5	2.1	12.4	702.0	57.3	672.3	61.0	175.8	111.9	181.9	197.0	1.9	9.2	1.1	340.8	377.3	324.4	16.4
SMDH 00726	815393.23	8196302.14	171.73	23.0	24.0	80.0	5422.4	3.2	16.5	1060.3	29.1	973.7	136.6	393.5	250.5	407.3	441.0	2.8	11.8	1.4	149.3	166.9	140.6	8.7
SMDH 00726	815393.23	8196302.14	171.73	24.0	25.0	80.0	3806.0	2.2	12.8	556.6	44.0	666.3	77.0	221.8	141.2	229.5	248.5	2.0	9.6	1.0	223.5	250.5	210.1	13.5
SMDH 00726	815393.23	8196302.14	171.73	25.0	26.0	80.0	4547.9	2.7	16.4	480.8	70.2	705.5	88.2	254.1	161.7	263.0	284.8	2.5	12.6	1.1	253.0	297.1	231.7	21.3
SMDH 00726	815393.23	8196302.14	171.73	26.0	27.0	80.0	3900.1	2.3	13.6	466.9	33.2	766.6	86.0	247.6	157.6	256.2	277.5	2.0	10.4	1.0	172.3	192.8	162.6	9.7
SMDH 00726	815393.23	8196302.14	171.73	27.0	28.0	80.0	6148.2	3.6	19.9	949.6	18.9	1397.2	152.6	439.5	279.7	454.8	492.5	3.2	14.8	1.4	128.8	139.7	123.1	5.7
SMDH 00741	815250.99	8196578.70	172.59	0.0	1.0	20.0	5496.5	3.1	17.7	1091.1	59.6	850.5	84.0	241.8	153.9	250.3	271.0	2.8	13.6	1.0	398.8	436.4	381.6	17.2
SMDH 00741	815250.99	8196578.70	172.59	1.0	2.0	50.0	8396.2	5.2	19.0	3076.5	55.5	584.1	84.9	244.5	155.7	253.1	274.0	4.7	12.8	1.0	402.8	437.6	387.0	15.8
SMDH 00741	815250.99	8196578.70	172.59	2.0	3.0	80.0	7856.7	4.9	18.5	2721.0	68.2	563.8	86.2	248.2	158.0	256.9	278.1	4.4	12.5	1.1	420.4	463.3	400.7	19.7
SMDH 00741	815250.99	8196578.70	172.59	3.0	4.0	80.0	6054.6	3.7	15.3	1934.9	57.3	473.0	68.4	196.9	125.4	203.8	220.7	3.3	10.5	1.1	342.6	378.9	326.2	16.4
SMDH 00741	815250.99	8196578.70	172.59	4.0	5.0	80.0	4938.2	2.9	15.1	988.6	74.6	731.1	81.4	234.5	149.3	242.7	262.8	2.6	10.9	1.3	292.2	338.1	269.4	22.8
SMDH 00741	815250.99	8196578.70	172.59	5.0	6.0	80.0	5540.0	3.1	16.8	1287.3	79.5	646.0	84.4	243.2	154.8	251.7	272.5	2.8	12.4	1.3	475.9	526.4	452.6	23.3
SMDH 00741	815250.99	8196578.70	172.59	6.0	7.0	80.0	5222.9	3.0	15.4	1297.8	65.2	453.0	74.7	215.2	137.0	222.7	241.2	2.8	11.0	1.3	374.4	415.4	355.5	18.9
SMDH 00741	815250.99	8196578.70	172.59	7.0	8.0	80.0	5176.1	3.0	16.6	1040.0	68.6	451.9	80.7	232.3	147.9	240.4	260.3	2.8	12.2	1.3	359.0	401.9	338.6	20.3
SMDH 00741	815250.99	8196578.70	172.59	8.0	9.0	80.0	5416.1	3.0	17.1	1112.5	96.2	703.1	82.6	237.9	151.4	246.2	266.6	2.7	12.8	1.3	508.0	568.1	479.0	29.0
SMDH 00741	815250.99	8196578.70	172.59	9.0	10.0	80.0	4752.1	2.7	14.4	1082.7	57.5	526.1	74.4	214.4	136.5	221.9	240.3	2.4	10.4	1.3	373.9	409.8	357.0	16.8
SMDH 00741	815250.99	8196578.70	172.59	10.0	11.0	80.0	4625.6	2.6	14.4	998.5	66.3	554.4	73.1	210.5	134.0	217.9	235.9	2.3	10.6	1.3	414.9	456.6	395.5	19.5
SMDH 00741	815250.99	8196578.70	172.59	11.0	12.0	80.0	5846.7	3.2	18.0	1336.2	73.4	727.6	100.8	290.4	184.9	300.5	325.4	2.9	13.4	1.3	558.5	603.8	536.5	22.1
SMDH 00741	815250.99	8196578.70	172.59	12.0	13.0	80.0	6700.2	4.2	21.2	1396.8	56.8	515.0	86.6	249.5	158.8	258.2	279.6	3.9	15.7	1.3	318.1	353.1	300.8	17.3
SMDH 00741	815250.99	8196578.70	172.59	13.0	14.0	80.0	4804.1	2.7	16.4	742.6	53.3	694.6	85.3	245.7	156.4	254.2	275.3	2.5	12.4	1.3	341.4	375.0	325.8	15.6
SMDH 00741	815250.99	8196578.70	172.59	14.0	15.0	80.0	4675.5	2.5	13.8	1207.2	57.1	476.3	70.4	202.9	129.1	209.9	227.3	2.3	10.0	1.3	481.1	516.1	464.2	16.9
SMDH 00741	815250.99	8196578.70	172.59	15.0	15.8	80.0	4944.9	2.7	15.4	1141.2	47.0	578.0	79.5	229.0	145.8	237.0	256.7	2.4	11.6	1.2	492.4	521.3	478.4	13.9
SMDH 00741	815250.99	8196578.70	172.59	15.8	16.0	80.0	4944.9	2.7	15.4	1141.2	47.0	578.0	79.5	229.0	145.8	237.0	256.7	2.4	11.6	1.2	492.4	521.3	478.4	13.9
SMDH 00740	814966.79	8196569.11	177.47	0.0	1.0	20.0	5325.9	2.7	20.1	690.2	41.3	761.5	99.5	286.5	182.4	296.5	321.1	2.5	16.0	1.3	396.7	422.5	385.1	11.7
SMDH 00740	814966.79	8196569.11	177.47	1.0	2.0	50.0	4936.0	2.7	17.2	733.2	46.2	862.4	95.2	274.2	174.5	283.8	307.3	2.4	13.3	1.3	340.9	369.9	327.7	13.1
SMDH 00740	814966.79	8196569.11	177.47	2.0	3.0	80.0	4397.0	2.5	14.4	707.9	21.1	923.6	78.3	225.4	143.5	233.3	252.6	2.2	10.7	1.3	146.7	159.7	140.9	5.9
SMDH 00740	814966.79	8196569.11	177.47	3.0	4.0	80.0	4929.1	2.7	15.3	1011.0	41.2	851.9	86.2	248.2	158.0	256.9	278.1	2.5	11.2	1.3	347.7	373.1	335.6	12.2
SMDH 00740	814966.79	8196569.11	177.47	4.0	5.0	80.0	5314.2	3.0	15.2	1363.6	50.3	709.8	82.5	237.5	151.2	245.8	266.2	2.7	11.0	1.2	421.1	452.1	406.3	14.7
SMDH 00740	814966.79	8196569.11	177.47	5.0	6.0	80.0	5278.2	3.0	16.3	1122.2	53.0	709.3	93.3	268.6	171.0	278.0	301.1	2.7	12.0	1.2	394.8	427.3	379.1	15.7
SMDH 00740	814966.79	8196569.11	177.47	6.0	7.0	80.0	5780.0	3.3	16.7	1496.4	32.3	739.7	92.7	266.9	169.9	276.2	299.1	3.0	12.2	1.2	414.9	434.0	405.3	9.6
SMDH 00740	814966.79	8196569.11	177.47	7.0	8.0	80.0	6571.3	3.8	20.0	1470.9	75.6	915.4	109.0	313.9	199.8	324.8	351.7	3.4	15.0	1.2	468.9	516.2	446.8	22.1
SMDH 00740	814966.79	8196569.11	177.47	8.0	9.0	80.0	6247.8	3.6	19.2	1392.5	40.0	868.2	107.6	309.8	197.2	320.6	347.2	3.2	14.3	1.2	415.4	439.7	403.4	11.9
SMDH 00740	814966.79	8196569.11	177.47	9.0	10.0	80.0	5516.7	3.1	17.3	1171.3	56.8	806.8	97.0	279.3	177.8	289.1	313.1	2.7	13.1	1.2	479.7	515.0	463.0	16.7
SMDH 00740	814966.79	8196569.11	177.47	10.0	11.0	80.0	7157.3	4.4	23.7	1343.8	38.8	637.2	105.2	303.0	192.9	313.6	339.6	4.1	18.1	1.2	357.5	381.5	346.2	11.3
SMDH 00740	814966.79	8196569.11	177.47	11.0	12.0	80.0	6143.4	3.5	20.5	1012.9	45.1	1069.8	123.2	354.7	225.8	367.1	397.5	3.2	15.8	1.2	362.1	390.0	349.1	13.0
SMDH 00740	814966.79	8196569.11	177.47	12.0	13.0	80.0	5928.7	3.4	18.9	1240.3	41.1	698.7	100.7	290.1	184.7	300.2	325.1	3.1	14.3	1.3	408.3	433.5	396.2	12.1
SMDH 00740	814966.79	8196569.11	177.47	13.0	13.3	50.0	6902.3	4.1	22.6	1376.1	31.4	605.7	125.7	361.9	230.4	374.5	405.6	3.8	17.2	1.2	374.1	393.2	365.0	9.1
SMDH 00739	814695.09	8196577.89	179.70	0.0	1.0	20.0	7957.0	5.2	28.5	968.8	45.6	880.0	125.6	361.8	230.3	374.4	405.5	4.8	22.0	1.3	596.9	623.8	582.6	14.3
SMDH 00739	814695.09	8196577.89	179.70	1.0	2.0	25.0	6797.1	3.5	27.1	748.7	37.1	672.7	135.4	390.1	248.3	403.7	437.1	3.2	22.0	1.6	473.4	495.1	461.7	11.7
SMDH 00739	814695.09	8196577.89	179.70	2.0	3.0	80.0	5521.6	3.0	20.8	583.2	27.8	843.4	126.4	363.9	231.7	376.6	407.8	2.7	16.2	1.6	251.2	267.5	242.4	8.8
SMDH 00739	814695.09	8196577.89	179.70	3.0	4.0	80.0	4682.6	2.7	15.5	818.8	21.7	673.2	92.3	265.9	169.2	275.1	297.9	2.4	11.5	1.3	206.8	219.6	200.2	6.5
SMDH 00739	814695.09	8196577.89	179.70	4.0	5.0	80.0	6003.9	3.4	19.1	1289.0	38.8	731.3	107.5	309.6	197.1	320.4	347.0	3.0	14.4	1.3	473.2	496.1	461.6	11.6
SMDH 00739	814695.09	8196577.89	179.70	5.0	6.0	80.0	5624.2	3.0	16.7	1445.7	33.0	758.5	99.6	286.8	182.6	296.9	321.5	2.7	12.4	1.3	569.8	589.2	560.3	9.5
SMDH 00739	814695.09	8196577.89	179.70	6.0	7.0	80.0	6432.4	3.7	21.4	1117.7	25.5	1073.3	141.6	407.7	259.5	422.0	456.9	3.3	16.4	1.3	419.5	434.9	412.4	7.1
SMDH 00739	814695.09	8196577.89	179.70	7.0	8.0	80.0	5646.3	3.2	17.6	1293.6	34.4	627.6	101.2	291.6	185.6	301.8	326.8	2.8	13.1	1.3	452.9	473.4	442.7	10.1
SMDH 00739	814695.09	8196577.89	179.70	8.0	9.0	80.0	6323.1	3.5	19.2	1537.0	55.0	760.4	103.4	297.9	189.6	308.3	333.9	3.1	14.4	1.3	601.7	635.1	585.4	16.2
SMDH 00739	814695.09	8196577.89	179.70	9.0	10.0	80.0	5423.3	3.0	16.9	1204.2	54.0	643.5	88.9	256.2	163.1	265.1	287.1	2.7	12.7	1.2	448.0	481.3	432.0	16.0
SMDH 00739	814695.09	8196577.89	179.70	10.0	11.0	80.0	6254.1	3.7	20.6	1204.1	52.7	573.7	112.7	324.6	206.6	335.9	363.7	3.4	15.6	1.2	412.7	445.5	397.7	15.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00739	814695.09	8196577.89	179.70	11.0	12.0	80.0	7510.6	4.7	25.0	1413.6	50.8	541.1	125.6	361.9	230.3	374.5	405.5	4.3	19.1	1.2	360.5	391.9	345.6	14.9
SMDH 00739	814695.09	8196577.89	179.70	12.0	13.0	80.0	9141.1	6.7	29.9	1501.1	45.2	272.1	145.3	418.4	266.3	433.0	468.9	6.4	22.0	1.2	124.3	153.2	111.3	13.0
SMDH 00739	814695.09	8196577.89	179.70	13.0	14.0	80.0	9769.2	7.5	30.7	1685.3	41.9	224.7	161.0	463.8	295.2	480.0	519.8	7.1	22.0	1.2	97.7	124.4	85.7	12.0
SMDH 00739	814695.09	8196577.89	179.70	14.0	15.0	80.0	9462.1	7.1	30.2	1639.6	40.6	174.6	147.7	425.5	270.8	440.3	476.8	6.8	22.0	1.1	81.2	107.0	69.3	11.9
SMDH 00739	814695.09	8196577.89	179.70	15.0	15.5	80.0	9768.9	7.3	30.5	1810.8	46.0	209.8	149.9	431.7	274.8	446.8	483.8	6.9	22.0	1.2	100.3	129.8	87.1	13.2
SMDH 00738	814415.04	8196585.79	177.21	0.0	1.0	20.0	6910.8	3.9	26.7	639.2	67.1	784.5	263.5	758.9	483.1	785.4	850.5	3.4	21.6	1.2	320.8	363.3	300.9	19.9
SMDH 00738	814415.04	8196585.79	177.21	1.0	2.0	50.0	6890.8	4.1	19.5	1880.2	60.4	553.2	98.2	282.7	180.0	292.6	316.8	3.8	14.3	1.1	320.8	358.5	302.7	18.1
SMDH 00738	814415.04	8196585.79	177.21	2.0	3.0	80.0	8276.2	5.2	19.0	2939.2	52.2	735.1	88.8	255.8	162.8	264.7	286.6	4.7	12.9	0.9	302.0	334.6	286.5	15.5
SMDH 00738	814415.04	8196585.79	177.21	3.0	4.0	80.0	6339.9	3.8	17.3	1741.7	62.6	714.4	86.9	250.2	159.3	258.9	280.4	3.5	12.4	1.1	300.5	340.2	282.3	18.2
SMDH 00738	814415.04	8196585.79	177.21	4.0	5.0	80.0	6270.2	3.8	17.9	1621.4	49.6	650.3	92.3	265.8	169.2	275.1	297.9	3.4	13.1	1.1	292.9	324.1	278.5	14.4
SMDH 00738	814415.04	8196585.79	177.21	5.0	6.0	80.0	5719.7	3.3	16.8	1421.6	50.6	658.2	86.0	247.7	157.7	256.4	277.6	3.0	12.3	1.1	342.5	373.2	327.4	15.1
SMDH 00738	814415.04	8196585.79	177.21	6.0	7.0	80.0	7265.8	4.5	20.5	1994.9	56.3	437.8	82.0	236.3	150.4	244.5	264.8	4.2	14.9	1.1	253.8	288.9	237.0	16.8
SMDH 00738	814415.04	8196585.79	177.21	7.0	8.0	80.0	5202.1	3.1	16.4	1106.7	55.5	506.7	73.2	211.0	134.3	218.3	236.4	2.8	12.2	1.1	262.1	297.4	246.0	16.1
SMDH 00738	814415.04	8196585.79	177.21	8.0	9.0	80.0	4766.9	2.7	16.0	812.7	71.8	685.5	80.4	231.7	147.5	239.8	259.7	2.4	12.1	1.2	288.4	334.3	267.7	20.6
SMDH 00738	814415.04	8196585.79	177.21	9.0	10.0	80.0	4350.1	2.3	15.0	727.8	60.5	568.2	78.4	225.9	143.8	233.8	253.2	2.1	11.5	1.2	325.5	363.7	307.8	17.7
SMDH 00738	814415.04	8196585.79	177.21	10.0	11.0	80.0	4269.6	2.2	14.8	639.5	59.6	835.4	88.6	255.2	162.5	264.1	286.0	1.9	11.4	1.2	338.8	376.1	321.1	17.7
SMDH 00738	814415.04	8196585.79	177.21	11.0	11.5	80.0	4076.5	2.3	13.9	679.4	24.2	429.3	79.3	228.5	145.5	236.5	256.1	2.1	10.2	1.4	167.1	182.1	160.2	6.9
SMDH 00737	814130.00	8196581.12	170.75	0.0	1.0	30.0	7082.8	4.0	24.8	1036.9	60.5	964.3	268.7	773.8	492.5	800.8	867.2	3.5	19.8	1.0	388.5	425.8	370.1	18.5
SMDH 00737	814130.00	8196581.12	170.75	1.0	2.0	80.0	6319.4	3.5	22.9	799.6	64.9	868.1	242.4	698.1	444.4	722.5	782.4	3.0	18.3	1.2	377.4	418.3	358.2	19.2
SMDH 00737	814130.00	8196581.12	170.75	2.0	3.0	80.0	5593.0	3.3	17.7	1130.6	68.7	596.3	92.9	267.6	170.3	276.9	299.9	3.0	13.2	1.2	329.3	373.0	309.7	19.6
SMDH 00737	814130.00	8196581.12	170.75	3.0	4.0	80.0	5270.2	3.2	14.4	1488.2	40.7	416.5	71.6	206.3	131.3	213.5	231.2	2.9	10.1	1.2	258.9	284.4	247.6	11.3
SMDH 00737	814130.00	8196581.12	170.75	4.0	5.0	80.0	6817.0	4.4	12.5	2962.5	14.7	277.4	55.0	158.3	100.8	163.8	177.4	4.0	7.0	1.1	95.6	104.7	92.0	3.6
SMDH 00737	814130.00	8196581.12	170.75	5.0	5.2	50.0	4438.5	2.6	13.0	1125.1	16.6	366.5	63.7	183.5	116.8	189.9	205.7	2.4	9.1	1.3	178.9	188.5	174.1	4.7
SMDH 00736	813855.49	8196583.79	168.08	0.0	1.0	20.0	4645.2	2.1	12.1	1098.7	83.0	2203.0	88.5	254.8	162.2	263.7	285.6	1.7	9.3	0.7	598.9	650.6	574.5	24.4
SMDH 00736	813855.49	8196583.79	168.08	1.0	2.0	50.0	4818.4	2.2	12.4	1163.2	84.6	2256.0	98.0	282.2	179.7	292.1	316.3	1.7	9.4	0.8	658.8	711.5	633.9	24.9
SMDH 00736	813855.49	8196583.79	168.08	2.0	3.0	80.0	4990.8	3.0	15.6	1076.8	28.3	442.8	79.1	227.9	145.0	235.8	255.4	2.7	11.4	1.3	268.0	285.3	260.1	8.0
SMDH 00736	813855.49	8196583.79	168.08	3.0	4.0	80.0	5634.1	3.4	15.0	1646.2	35.6	572.3	73.5	211.8	134.8	219.2	237.3	3.1	10.5	1.2	333.3	354.7	322.9	10.4
SMDH 00736	813855.49	8196583.79	168.08	4.0	5.0	80.0	5713.3	3.4	15.2	1716.3	27.3	431.6	72.8	209.8	133.5	217.1	235.1	3.1	10.6	1.2	278.3	294.5	270.2	8.1
SMDH 00736	813855.49	8196583.79	168.08	5.0	6.0	80.0	4986.5	3.0	13.0	1524.9	18.8	439.4	61.4	177.0	112.6	183.1	198.3	2.7	8.9	1.2	258.3	269.3	252.9	5.4
SMDH 00736	813855.49	8196583.79	168.08	6.0	7.0	80.0	5066.7	3.0	14.1	1414.7	21.3	367.9	67.8	195.4	124.4	202.2	219.0	2.8	9.8	1.3	233.0	245.3	226.6	6.4
SMDH 00736	813855.49	8196583.79	168.08	7.0	7.5	80.0	5964.1	3.5	18.4	1330.5	34.1	682.9	97.6	281.1	178.9	290.9	315.0	3.2	13.7	1.2	347.9	368.3	337.9	10.0
SMDH 00735	813577.40	8196581.37	171.26	0.0	1.0	20.0	5704.2	2.7	18.8	1159.0	76.2	1081.2	101.6	292.6	186.2	302.8	327.9	2.4	14.6	1.4	698.0	745.1	675.6	22.4
SMDH 00735	813577.40	8196581.37	171.26	1.0	2.0	60.0	6099.5	3.0	17.7	1596.3	65.6	1155.6	101.1	291.2	185.4	301.4	326.4	2.6	13.4	1.3	771.9	811.4	752.9	19.0
SMDH 00735	813577.40	8196581.37	171.26	2.0	3.0	80.0	5887.1	3.1	17.6	1512.7	58.2	703.7	104.4	300.6	191.4	311.1	336.9	2.8	13.3	1.2	658.3	693.3	641.1	17.1
SMDH 00735	813577.40	8196581.37	171.26	3.0	4.0	80.0	6058.8	3.3	18.6	1379.5	61.2	917.6	104.1	299.8	190.8	310.3	336.0	3.0	14.1	1.2	534.5	572.4	516.6	17.9
SMDH 00735	813577.40	8196581.37	171.26	4.0	5.0	80.0	6225.7	3.3	19.0	1470.9	75.0	861.3	114.3	329.3	209.6	340.8	369.0	3.0	14.5	1.2	596.4	643.3	574.6	21.8
SMDH 00735	813577.40	8196581.37	171.26	5.0	6.0	80.0	5074.3	2.8	15.9	1114.6	59.4	663.8	89.0	256.4	163.2	265.4	287.4	2.5	11.9	1.2	408.2	445.1	390.5	17.8
SMDH 00735	813577.40	8196581.37	171.26	6.0	7.0	80.0	5101.6	2.8	15.9	1156.6	57.4	583.3	85.8	247.1	157.3	255.8	277.0	2.5	11.8	1.2	440.5	476.2	423.8	16.7
SMDH 00735	813577.40	8196581.37	171.26	7.0	8.0	80.0	5576.7	3.0	17.3	1292.5	60.2	653.3	94.9	273.2	173.9	282.7	306.2	2.7	13.0	1.3	477.5	514.8	460.3	17.2
SMDH 00735	813577.40	8196581.37	171.26	8.0	8.9	80.0	6033.2	3.3	18.8	1402.8	69.8	650.4	105.6	304.2	193.7	314.8	340.9	3.0	14.2	1.3	555.0	599.2	535.0	20.0
SMDH 00735	813577.40	8196581.37	171.26	8.9	9.0	80.0	6033.2	3.3	18.8	1402.8	69.8	650.4	105.6	304.2	193.7	314.8	340.9	3.0	14.2	1.3	555.0	599.2	535.0	20.0
SMDH 00734	813290.38	8196581.01	170.11	0.0	1.0	20.0	4838.3	2.2	15.9	892.1	56.2	1412.1	74.7	215.1	136.9	222.6	241.0	1.9	12.6	1.1	534.7	570.0	519.1	15.6
SMDH 00734	813290.38	8196581.01	170.11	1.0	2.0	80.0	4323.9	2.2	16.8	428.5	24.8	689.9	88.7	255.4	162.6	264.3	286.2	1.9	13.0	1.6	238.2	253.5	231.3	6.9
SMDH 00734	813290.38	8196581.01	170.11	2.0	3.0	80.0	4622.0	2.4	17.5	448.5	23.6	927.8	107.7	310.3	197.5	321.1	347.7	2.2	13.6	1.4	218.4	232.5	211.4	7.0
SMDH 00734	813290.38	8196581.01	170.11	3.0	4.0	80.0	3961.8	2.1	14.2	555.9	22.8	639.5	79.7	229.5	146.1	237.5	257.2	1.9	10.8	1.3	200.1	214.0	193.5	6.6
SMDH 00751	813425.55	8196872.45	173.13	0.0	1.0	20.0	5085.8	2.9	16.0	1099.4	22.5	640.7	80.9	233.1	148.4	241.2	261.2	2.6	11.9	1.3	310.9	324.5	305.0	5.9
SMDH 00751	813425.55	8196872.45	173.13	1.0	2.0	80.0	5110.8	3.0	15.0	1239.5	32.4	623.3	78.1	225.0	143.2	232.9	252.2	2.7	10.7	1.3	303.4	323.6	294.5	8.9
SMDH 00751	813425.55	8196872.45	173.13	2.0	3.0	80.0	5242.2	3.1	15.1	1368.0	30.7	432.6	77.7	223.9	142.5	231.7	250.9	2.8	10.7	1.2	278.4	297.7	270.0	8.4
SMDH 00751	813425.55	8196872.45	173.13	3.0	4.0	80.0	6217.0	3.5	18.9	1359.5	51.1	1101.9	108.6	312.9	199.2	323.8	350.7	3.1	14.1	1.4	524.1	555.9	509.6	14.4
SMDH 00752	813715.32	8196855.02	172.28	0.0	1.0	40.0	5841.1	2.9	19.3	1084.5	91.3	1175.2	95.3	274.6	174.8	284.2	307.8	2.6	14.9	1.4	642.0	699.2	615.2	26.8
SMDH 00752	813715.32	8196855.02	172.28	1.0	2.0	80.0	5197.4	2.9	17.4	924.4	56.1	692.7	94.0	270.8	172.4	280.2	303.4	2.6	13.1	1.3	384.4	419.7	368.7	15.8
SMDH 00752	813715.32	8196855.02	172.28	2.0	3.0	80.0	4969.9	2.9	15.6	1002.4	45.7	646.6	87.5	252.0	160.4	260.8	282.4	2.6	11.4	1.3	260.7	289.0	247.7	13.1
SMDH 00752	813715.32	8196855.02	172.28	3.0	4.0	80.0	6247.5	3.8	17.0	1751.6	51.2	586.2	89.4	257.5	163.9	266.5	288.5	3.4	12.1	1.2	307.3	339.7	293.0	14.3
SMDH 00752	813715.32	8196855.02	172.28	4.0	5.0	80.0	6655.2	4.1	16.2	2174.6	56.1	614.9	82.2	236.6	150.6	244.9	265.2	3.7	11.0	1.2	328.4	363.5	312.3	16.1
SMDH 00752	813715.32	8196855.02	172.28	5.0	6.0	80.0	6714.3	4.2	16.5	2201.8	49.6	463.3	78.0	224.5	142.9	232.4	251.6	3.8	11.3	1.1	402.0	432.7	387.7	14.3
SMDH 00752	813715.32	8196855.02	172.28	6.0	7.0	80.0	6113.6	3.6	18.7	1317.8	66.0	772.6	98.1	282.5	179.8	292.3	316.6	3.3	13.8	1.3	356.3	398.2	337.7	18.5
SMDH 00752	813715.32	8196855.02	172.28	7.0	8.0	80.0	5714.5	3.3	18.3	1101.7	49.2	869.8	100.4	289.2	184.1	299.3	324.1	2.9	13.7	1.3	399.2	429.6	384.7	14.4
SMDH 00752	813715.32	8196855.02	172.28	8.0	9.0	80.0	5890.1	3.4	18.1	1339.7	62.0	620.7	91.7	264.0	168.1	273.3	295.9	3.1	13.4	1.3	433.6	472.2	415.7	17.9
SMDH 00752	813715.32	8196855.02	172.28	9.0	9.5	20.0	5915.2	3.5	16.1	1681.2	45.0	470.8	75.3	217.0	138.1	224.6	243.2	3.2	11.3	1.3	252.2	280.6	239.6	12.5
SMDH 00753	814023.86	8196864.73	169.95	0.0	1.0	30.0	4431.0	2.3	12.5	1166.2	62.4	891.9	69.9	201.4	128.2	208.5	225.7	2.0	9.2	1.0	539.7	579.2	522.5	17.2
SMDH 00753	814023.86	8196864.73	169.95	1.0	2.0	80.0	7703.7	4.9	14.7	3229.5	47.9	545.5	60.1	173.1	110.2	179.1	194.0	4.4	8.8	1.0	311.7	341.4	297.9	13.7
SMDH 00753	814023.86	8196864.73	169.95	2.0	3.0	80.0	8510.7	5.6	14.1	3898.2	38.1	464.4	52.5	151.1	96.2	156.4	169.4	5.1	7.6	0.8	260.8	284.3	249.8	10.9
SMDH 00753	814023.86	8196864.73	169.95	3.0	4.0	80.0	5411.3	3.2	15.4	1415.5	55.3	539.7	74.7	215.2	137.0	222.7	241.2	2.9	11.1	1.1	361.8	396.5	346.0	15.9
SMDH 00753	814023.86	8196864.73	169.95	4.0	5.0	80.0	5644.5	3.3	15.1	1664.5	47.6	501.3	70.0	201.7	128.4	208.8	226.1	3.0	10.7	1.2	391.2	420.5	377.3	13.8
SMDH 00753	814023.86	8196864.73	169.95	5.0	6.0	80.0	5876.1	3.5	17.5	1399.6	52.6	537.4	86.3	248.5	158.2	257.2	278.5	3.2	12.7	1.2	298.9	331.8	283.9	15.0
SMDH 00754	814269.44	8196855.62	175.24	0.0	1.0	20.0	7090.0	4.1	27.3	731.9	49.7	793.2	181.3	522.2	332.4	540.4	585.2	3.7	22.0	1.3	349.0	380.4	335.1	14.0
SMDH 00754	814269.44	8196855.62	175.24	1.0	2.0	80.0	11197.3	9.0	32.0	2118.7	79.3	401.3	328.6	946.3	602.4	979.3	1060.5	8.3	22.0	1.0	181.5	234.3	160.2	21.3
SMDH 00754	814269.44	8196855.62	175.24	2.0	3.0	80.0	11573.3	9.5	32.5	2166.5	74.4	419.1	392.0	1129.0	718.6	1168.4	1265.2	8.8	22.0	1.0	131.8	180.2	110.5	21.3
SMDH 00754	814269.44	8196855.62	175.24	3.0	4.0	80.0	11509.3	8.5	31.4	2912.4	52.8	264.3	260.5	750.1	477.5	776.3	840.7	7.8	22.0	0.9	144.2	178.7	129.5	14.8
SMDH 00755	814546.45	8196863.31	178.75	0.0	1.0	20.0																		
SMDH 00755	814546.45	8196863.31	178.75	1.0	2.0	60.0	5533.4	2.9	18.8	1025.4	57.0	679.8	100.4	289.3	184.1	299.4	324.2	2.6	14.5	1.4	524.2	559.5	507.7	16.6
SMDH 00755	814546.45	8196863.31	178.75	2.0	3.0	80.0	4934.0	2.6	15.3	1146.4	50.8	581.4	84.8	244.2	155.5	252.8	273.7	2.3	11.4	1.3	486.0	517.8	471.7	14.3
SMDH 00755	814546.45	8196863.31	178.75	3.0	4.0	80.0	4764.6	2.7	15.4	924.3	46.3	603.7	83.6	240.7	153.2	249.1	269.7	2.5	11.4	1.2	318.7	347.6	305.1	13.7
SMDH 00755	814546.45	8196863.31	178.75	4.0	5.0	80.0	6521.9	3.9	17.0	1967.0	53.0	744.9	88.9	256.1	163.0	265.1	287.0	3.5	12.0	1.1	390.0	423.8	375.3	14.7
SMDH 00755	814546.45	8196863.31	178.75	5.0	6.0	80.0	5848.0	3.3	18.5	1247.7	57.5	702.3	100.4	289.1	184.0	299.2	324.0	3.0	13.9	1.2	451.0	487.1	434.6	16.5
SMDH 00755	814546.45	8196863.31	178.75	6.0	7.0	80.0	5563.2	3.1	17.8	1140.1	56.4	663.0	97.2	279.9	178.2	289.7	313.7	2.8	13.5	1.2	437.1	472.6	421.0	16.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00755	814546.45	8196863.31	178.75	7.0	8.0	80.0	5994.5	3.7	17.9	1415.1	44.3	463.7	76.9	221.5	141.0	229.2	248.2	3.5	13.0	1.1	251.8	280.0	239.4	12.5
SMDH 00755	814546.45	8196863.31	178.75	8.0	9.0	80.0	6223.0	3.6	19.3	1301.9	61.4	956.3	97.4	280.4	178.5	290.2	314.2	3.2	14.5	1.2	434.1	472.0	415.9	18.3
SMDH 00755	814546.45	8196863.31	178.75	9.0	9.2	80.0	5996.0	3.4	19.1	1257.4	48.0	717.1	101.1	291.2	185.4	301.4	326.4	3.1	14.5	1.3	443.7	473.0	429.8	13.8
SMDH 00755	814546.45	8196863.31	178.75	9.2	10.0	80.0	5996.0	3.4	19.1	1257.4	48.0	717.1	101.1	291.2	185.4	301.4	326.4	3.1	14.5	1.3	443.7	473.0	429.8	13.8
SMDH 00756	814836.71	8196847.08	181.49	0.0	1.0	20.0	4667.4	2.1	15.2	974.8	68.2	1095.5	87.1	250.8	159.6	259.5	281.1	1.7	12.0	1.1	606.5	649.3	587.0	19.5
SMDH 00756	814836.71	8196847.08	181.49	1.0	2.0	80.0																		
SMDH 00756	814836.71	8196847.08	181.49	2.0	3.0	80.0	4616.4	2.6	14.6	905.2	70.0	662.8	79.9	230.0	146.4	238.1	257.8	2.3	10.7	1.2	300.7	346.1	281.7	19.0
SMDH 00756	814836.71	8196847.08	181.49	3.0	4.0	80.0	5279.5	3.0	16.7	1088.8	73.4	607.8	82.9	238.7	151.9	247.0	267.5	2.8	12.4	1.2	336.0	383.4	315.8	20.2
SMDH 00756	814836.71	8196847.08	181.49	4.0	5.0	80.0	5549.3	3.2	16.6	1294.5	68.9	631.6	81.9	235.8	150.1	244.1	264.3	3.0	12.1	1.2	362.1	406.1	342.5	19.5
SMDH 00756	814836.71	8196847.08	181.49	5.0	5.9	80.0	5244.5	3.0	16.9	1048.9	52.6	573.5	88.1	253.8	161.6	262.7	284.4	2.7	12.6	1.3	338.9	372.0	323.8	15.1
SMDH 00756	814836.71	8196847.08	181.49	5.9	6.0	80.0	5244.5	3.0	16.9	1048.9	52.6	573.5	88.1	253.8	161.6	262.7	284.4	2.7	12.6	1.3	338.9	372.0	323.8	15.1
SMDH 00757	815100.86	8196836.82	177.69	0.0	1.0	20.0	7029.0	3.7	24.7	1180.4	75.6	858.1	190.2	547.9	348.7	567.0	614.0	3.2	19.6	1.5	641.9	689.7	620.6	21.3
SMDH 00757	815100.86	8196836.82	177.69	1.0	2.0	80.0	6679.1	3.9	22.0	1255.8	53.5	733.7	166.6	480.0	305.5	496.7	537.9	3.5	16.9	1.3	405.3	439.9	391.1	14.2
SMDH 00757	815100.86	8196836.82	177.69	2.0	3.0	80.0	6536.7	3.7	20.0	1563.9	37.3	716.6	116.2	334.7	213.1	346.4	375.1	3.4	15.1	1.2	417.6	440.7	407.2	10.4
SMDH 00757	815100.86	8196836.82	177.69	3.0	4.0	80.0	5107.6	2.8	15.3	1247.2	32.3	650.2	87.2	251.1	159.9	259.9	281.5	2.5	11.3	1.2	366.8	386.2	357.5	9.4
SMDH 00757	815100.86	8196836.82	177.69	4.0	5.0	80.0	4837.1	2.7	14.6	1136.9	52.4	620.7	81.0	233.4	148.6	241.6	261.6	2.4	10.7	1.2	385.6	417.7	370.0	15.6
SMDH 00757	815100.86	8196836.82	177.69	5.0	6.0	80.0	4794.6	2.7	15.5	906.0	70.3	621.6	81.7	235.3	149.8	243.5	263.7	2.5	11.6	1.2	333.6	378.0	313.1	20.5
SMDH 00757	815100.86	8196836.82	177.69	6.0	7.0	80.0	5369.4	3.0	16.4	1209.3	70.6	725.0	87.0	250.4	159.4	259.2	280.7	2.7	12.1	1.2	439.5	483.6	418.9	20.6
SMDH 00757	815100.86	8196836.82	177.69	7.0	8.0	80.0	5052.3	2.9	16.0	989.8	60.5	696.1	85.1	245.2	156.1	253.8	274.8	2.7	11.8	1.2	298.2	336.0	280.3	17.8
SMDH 00757	815100.86	8196836.82	177.69	8.0	9.0	80.0	5023.3	3.0	13.8	1346.7	51.4	638.2	65.9	189.7	120.8	196.4	212.6	2.7	9.8	1.1	286.8	319.3	272.1	14.7
SMDH 00757	815100.86	8196836.82	177.69	9.0	10.0	80.0	5150.4	2.9	16.3	1053.0	61.8	653.4	82.4	237.3	151.0	245.5	265.9	2.7	12.2	1.2	329.1	368.0	311.1	17.9
SMDH 00757	815100.86	8196836.82	177.69	10.0	11.0	80.0	4788.7	2.7	15.3	975.3	50.4	552.3	76.3	219.8	139.9	227.5	246.3	2.5	11.3	1.2	287.4	319.1	272.8	14.6
SMDH 00757	815100.86	8196836.82	177.69	11.0	12.0	80.0	5418.7	3.1	17.4	1065.1	41.6	783.3	95.1	274.0	174.4	283.6	307.1	2.8	13.0	1.2	322.3	348.2	310.3	12.0
SMDH 00757	815100.86	8196836.82	177.69	12.0	12.5	80.0	5003.4	2.9	16.1	979.1	57.1	611.2	84.4	243.0	154.7	251.5	272.3	2.6	12.2	1.1	289.3	325.3	272.7	16.6
SMDH 00757	815100.86	8196836.82	177.69	12.5	13.0	80.0	5003.4	2.9	16.1	979.1	57.1	611.2	84.4	243.0	154.7	251.5	272.3	2.6	12.2	1.1	289.3	325.3	272.7	16.6
SMDH 00758	815391.73	8196856.19	174.08	0.0	1.0	20.0	3014.4	1.5	8.7	682.4	42.5	946.2	55.8	160.7	102.3	166.3	180.1	1.3	6.7	0.5	384.6	411.0	372.1	12.4
SMDH 00758	815391.73	8196856.19	174.08	1.0	2.0	80.0	3487.0	1.6	9.2	957.4	51.9	1286.5	58.8	169.2	107.7	175.1	189.6	1.3	7.1	0.5	570.3	601.7	554.2	16.0
SMDH 00758	815391.73	8196856.19	174.08	2.0	3.0	80.0	4253.0	1.7	8.4	1782.3	74.8	1430.1	55.2	159.0	101.2	164.5	178.2	1.3	6.3	0.4	1082.3	1127.1	1059.4	23.0
SMDH 00758	815391.73	8196856.19	174.08	3.0	4.0	80.0	4215.4	2.0	11.9	1251.8	61.4	810.9	56.2	161.8	103.0	167.5	181.4	1.7	9.4	0.6	738.8	776.0	720.4	18.4
SMDH 00758	815391.73	8196856.19	174.08	4.0	5.0	80.0	4143.6	2.3	14.2	766.3	54.9	464.0	55.4	159.6	101.6	165.2	178.8	2.1	11.2	0.7	409.2	443.3	393.0	16.3
SMDH 00758	815391.73	8196856.19	174.08	5.0	6.0	80.0	5010.0	2.8	16.7	963.5	56.4	555.9	71.8	206.7	131.6	213.9	231.6	2.6	12.9	1.0	367.8	403.1	351.3	16.5
SMDH 00758	815391.73	8196856.19	174.08	6.0	7.0	80.0	5339.6	3.0	16.4	1172.5	51.9	719.4	96.3	277.3	176.5	287.0	310.7	2.7	12.2	1.2	375.6	408.4	360.9	14.7
SMDH 00758	815391.73	8196856.19	174.08	7.0	8.0	80.0	4806.7	2.6	14.3	1146.7	56.1	753.0	78.8	227.1	144.6	235.0	254.5	2.3	10.6	1.0	424.7	459.6	408.3	16.3
SMDH 00758	815391.73	8196856.19	174.08	8.0	9.0	80.0	2903.0	1.6	7.8	809.7	49.6	270.1	38.0	109.5	69.7	113.3	122.7	1.4	5.0	1.2	121.2	153.3	107.4	13.8
SMDH 00758	815391.73	8196856.19	174.08	9.0	10.0	80.0	3960.7	2.2	11.4	973.3	46.6	572.1	62.7	180.6	114.9	186.9	202.4	1.9	7.9	1.3	246.8	275.6	232.9	13.9
SMDH 00758	815391.73	8196856.19	174.08	10.0	11.0	80.0	3274.2	1.8	9.3	824.1	46.4	460.0	44.7	128.9	82.0	133.4	144.4	1.6	6.3	1.2	197.3	226.6	183.9	13.4
SMDH 00758	815391.73	8196856.19	174.08	11.0	12.0	80.0	4529.2	2.6	13.9	980.9	82.3	384.1	88.9	256.0	163.0	264.9	286.9	2.4	10.0	1.3	224.9	277.5	200.8	24.0
SMDH 00758	815391.73	8196856.19	174.08	12.0	13.0	80.0	4265.5	2.4	12.4	1097.2	30.9	362.6	69.7	200.7	127.7	207.7	224.9	2.2	8.8	1.3	268.1	287.1	259.2	8.9
SMDH 00758	815391.73	8196856.19	174.08	13.0	14.0	80.0	4852.3	2.8	16.3	728.2	24.1	903.9	116.4	335.2	213.4	346.9	375.6	2.5	12.3	1.3	205.8	220.4	199.0	6.8
SMDH 00758	815391.73	8196856.19	174.08	14.0	15.0	80.0	5372.0	3.0	17.7	1020.0	35.1	760.7	101.2	291.5	185.6	301.7	326.7	2.7	13.4	1.2	351.8	372.7	341.6	10.2
SMDH 00758	815391.73	8196856.19	174.08	15.0	15.5	80.0	4260.0	2.4	13.8	834.9	21.2	542.0	73.5	211.8	134.8	219.2	237.3	2.2	10.1	1.3	220.7	233.6	214.8	6.0
SMDH 00759	815684.79	8196860.15	173.98	0.0	1.0	60.0	4212.4	2.3	13.3	708.2	45.3	1334.5	69.0	198.7	126.5	205.6	222.6	2.0	10.4	0.7	342.9	371.2	329.8	13.1
SMDH 00759	815684.79	8196860.15	173.98	1.0	2.0	80.0	5033.3	2.7	15.7	976.0	64.7	1224.7	87.8	252.8	160.9	261.6	283.3	2.4	12.0	1.0	394.0	434.8	375.1	18.8
SMDH 00759	815684.79	8196860.15	173.98	2.0	3.0	80.0	3481.7	1.7	9.7	868.7	42.9	1014.7	59.8	172.3	109.7	178.3	193.1	1.5	7.4	0.6	485.0	510.8	471.7	13.3
SMDH 00759	815684.79	8196860.15	173.98	3.0	4.0	80.0	3485.9	1.9	13.0	422.7	31.4	573.5	47.4	136.5	86.9	141.2	152.9	1.8	10.4	0.7	219.8	239.1	210.4	9.4
SMDH 00759	815684.79	8196860.15	173.98	4.0	5.0	80.0	7177.0	4.6	16.5	2426.2	40.1	738.7	72.0	207.4	132.0	214.6	232.4	4.2	10.8	1.0	226.8	252.3	215.5	11.3
SMDH 00759	815684.79	8196860.15	173.98	5.0	6.0	80.0	6540.1	4.2	14.7	2307.8	18.0	554.6	75.1	216.4	137.7	223.9	242.5	3.8	9.4	1.2	149.2	160.6	144.2	5.0
SMDH 00759	815684.79	8196860.15	173.98	6.0	7.0	80.0	9958.5	6.4	24.3	3103.0	53.2	1153.8	208.2	599.7	381.7	620.6	672.1	5.7	17.1	0.9	354.3	387.4	338.1	16.1
SMDH 00759	815684.79	8196860.15	173.98	7.0	8.0	80.0	8760.3	5.8	29.1	1328.9	163.4	862.5	103.2	297.3	189.3	307.7	333.2	5.5	22.0	1.3	436.8	542.4	388.4	48.4
SMDH 00759	815684.79	8196860.15	173.98	8.0	9.0	80.0	8485.0	5.4	28.7	1194.3	119.2	1212.4	167.5	482.4	307.1	499.2	540.6	4.9	22.0	1.3	411.3	487.5	376.0	35.4
SMDH 00759	815684.79	8196860.15	173.98	9.0	10.0	80.0	10120.5	7.1	30.4	1860.8	203.4	1069.0	130.6	376.2	239.5	389.4	421.6	6.7	22.0	1.2	551.5	682.8	491.6	59.9
SMDH 00759	815684.79	8196860.15	173.98	10.0	11.0	80.0	12531.7	11.2	34.7	1571.6	393.9	1220.6	176.7	509.0	324.0	526.7	570.4	10.7	22.0	1.5	795.7	1051.0	679.4	116.3
SMDH 00759	815684.79	8196860.15	173.98	11.0	12.0	80.0	10795.8	8.6	32.0	1413.1	263.7	1406.4	167.5	482.5	307.1	499.3	540.7	8.1	22.0	1.4	686.1	857.1	608.9	77.2
SMDH 00759	815684.79	8196860.15	173.98	12.0	13.0	80.0	3740.5	2.2	12.6	473.6	34.3	920.2	73.6	211.9	134.9	219.3	237.5	2.0	9.6	0.8	171.6	192.4	160.7	10.8
SMDH 00759	815684.79	8196860.15	173.98	13.0	14.0	80.0	2778.0	1.5	9.6	340.5	16.1	759.8	57.1	164.5	104.7	170.2	184.3	1.4	7.4	0.7	149.3	158.7	144.3	4.9
SMDH 00759	815684.79	8196860.15	173.98	14.0	15.0	80.0	8642.3	6.2	29.2	980.7	158.1	1056.7	135.1	389.2	247.8	402.8	436.2	5.8	22.0	1.1	452.0	552.8	404.1	47.9
SMDH 00759	815684.79	8196860.15	173.98	15.0	16.0	80.0	6001.4	3.6	21.6	643.2	97.8	921.4	107.1	308.5	196.4	319.3	345.8	3.4	16.6	1.3	290.5	353.7	262.3	28.1
SMDH 00759	815684.79	8196860.15	173.98	16.0	17.0	80.0	11813.3	10.6	34.0	1250.6	445.3	1126.0	117.1	337.3	214.7	349.1	378.0	10.1	22.0	1.4	570.3	860.4	439.6	130.7
SMDH 00759	815684.79	8196860.15	173.98	17.0	18.0	80.0	11889.5	10.2	33.7	1516.8	410.1	1177.8	156.6	451.2	287.2	466.9	505.6	9.7	22.0	1.5	718.7	984.2	597.6	121.1
SMDH 00759	815684.79	8196860.15	173.98	18.0	19.0	80.0	13253.6	12.1	35.7	1608.3	538.3	1275.0	146.8	422.8	269.1	437.6	473.8	11.6	22.0	1.7	812.4	1161.7	653.4	159.0
SMDH 00759	815684.79	8196860.15	173.98	19.0	20.0	80.0	13637.9	12.4	36.0	1804.4	547.9	1414.5	134.8	388.2	247.1	401.8	435.1	11.8	22.0	1.6	924.3	1279.8	763.1	161.3
SMDH 00759	815684.79	8196860.15	173.98	20.0	20.8	80.0	8755.1	6.1	29.5	903.2	222.4	1274.5	149.0	429.0	273.1	444.0	480.8	5.7	22.0	1.3	464.9	608.3	398.5	66.5
SMDH 00759	815684.79	8196860.15	173.98	20.8	21.0	80.0	8755.1	6.1	29.5	903.2	222.4	1274.5	149.0	429.0	273.1	444.0	480.8	5.7	22.0	1.3	464.9	608.3	398.5	66.5
SMDH 00760	815958.15	8196855.70	176.22	0.0	1.0	40.0	6022.1	3.1	23.6	712.1	48.3	833.1	74.7	215.1	136.9	222.6	241.0	2.9	19.6	0.9	332.8	362.9	318.5	14.3
SMDH 00760	815958.15	8196855.70	176.22	1.0	2.0	80.0	6777.3	4.1	24.2	1026.2	56.5	607.0	92.9	267.5	170.3	276.9	299.8	3.8	18.9	1.2	262.7	298.8	246.8	15.9
SMDH 00760	815958.15	8196855.70	176.22	2.0	3.0	80.0	11342.1	8.2	31.2	2818.0	122.9	569.3	101.6	292.6	186.2	302.8	327.9	7.8	22.0	0.9	207.1	286.6	172.1	35.1
SMDH 00760	815958.15	8196855.70	176.22	3.0	4.0	80.0	10332.0	7.8	24.0	3343.6	37.8	228.4	59.6	171.5	109.2	177.5	192.2	7.4	15.5	0.7	62.8	86.6	52.1	10.7
SMDH 00760	815958.15	8196855.70	176.22	4.0	5.0	80.0	10977.4	8.3	25.4	3564.1	42.9	174.6	74.6	214.8	136.7	222.3	240.7	7.9	16.5	0.6	101.2	127.9	88.9	12.3
SMDH 00760	815958.15	8196855.70	176.22	5.0	6.0	80.0	8293.2	6.0	19.0	2705.0	38.8	418.3	78.2	225.1	143.3	233.0	252.3	5.6	12.1	0.9	180.1	204.2	168.8	11.3
SMDH 00760	815958.15	8196855.70	176.22	6.0	7.0	80.0	8307.6	5.5	21.1	2403.0	82.9	750.6	99.8	287.6	183.0	297.6	322.3	5.1	14.4	1.2	366.9	418.9	342.7	24.3
SMDH 00760	815958.15	8196855.70	176.22	7.0	8.0	80.0	7631.6	5.2	20.5	2045.2	45.1	567.0	91.3	262.9	167.3	272.0	294.6	4.8	14.3	1.0	219.8	248.1	206.9	12.9
SMDH 00760	815958.15	8196855.70	176.22	8.0	9.0	80.0	7903.9	5.1	21.6	2107.3	103.7	688.0	92.5	266.3	169.5	275.6	298.4	4.7	15.5	1.0	420.1	485.9	389.6	30.5
SMDH 00760	815958.15	8196855.70	176.22	9.0	10.0	80.0	7451.0	4.6	20.4	1991.3	78.8	800.5	104.6	301.4	191.8	311.9	337.8	4.2	14.6	1.2	420.1	469.2	397.0	23.1
SMDH 00760	815958.15	8196855.70	176.22	10.0	11.0	80.0	8246.2	5.2	27.2	1225.7	128.8	1257.6	146.4	421.7	268.4	436.4	472.6	4.8	20.7	1.3	379.9	462.0	341.9	38.0
SMDH 00760	815958.15	8196855.70	176.22	11.0	12.0	80.0	7288.5	4.3	23.5	1288.0	77.4	1099.3	141.9	408.8	260.2	423.1	458.1	3.9	17.5	1.7	412.2	460.2	389.0	23.2
SMDH 00760	815958.15	8196855.70	176.22	12.0	13.0	80.0	6704.5	4.1	21.5	1304.4	54.9	689.3	113.6	327.0	208.2	338.5	366.5	3.8	16.2	1.3	317.9	352.6	302.3	15.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00760	815958.15	8196855.70	176.22	13.0	14.0	80.0	8155.7	5.1	26.1	1428.5	87.5	1230.7	158.7	457.1	291.0	473.1	512.3	4.6	19.7	1.3	379.0	435.0	354.1	25.0
SMDH 00760	815958.15	8196855.70	176.22	14.0	15.0	80.0	6948.9	4.3	23.4	1115.5	58.9	761.1	121.8	350.7	223.2	362.9	393.0	4.0	17.8	1.3	267.0	304.5	250.2	16.8
SMDH 00760	815958.15	8196855.70	176.22	15.0	16.0	80.0	5788.6	3.3	19.5	974.5	41.0	856.1	103.3	297.4	189.3	307.8	333.3	3.0	14.9	1.2	391.7	416.4	379.5	12.1
SMDH 00760	815958.15	8196855.70	176.22	16.0	17.0	80.0	5809.2	3.4	19.1	1116.2	38.5	624.4	108.6	312.7	199.1	323.7	350.5	3.1	14.4	1.3	381.9	405.2	370.8	11.1
SMDH 00760	815958.15	8196855.70	176.22	17.0	18.0	80.0	5776.3	3.5	18.9	1007.4	53.7	805.4	103.8	299.1	190.4	309.5	335.2	3.1	14.2	1.3	297.8	331.1	282.0	15.8
SMDH 00760	815958.15	8196855.70	176.22	18.0	19.0	80.0	8495.5	5.8	29.1	1113.9	92.5	837.7	128.1	369.0	234.9	381.9	413.5	5.5	22.0	1.3	272.4	331.2	245.1	27.3
SMDH 00760	815958.15	8196855.70	176.22	19.0	20.0	80.0	5809.1	3.5	20.1	905.2	50.2	550.2	118.8	342.1	217.7	354.0	383.3	3.2	15.2	1.4	247.9	280.2	233.7	14.2
SMDH 00760	815958.15	8196855.70	176.22	20.0	21.0	80.0	4958.0	2.9	17.4	761.2	37.2	508.7	84.3	242.8	154.6	251.3	272.1	2.6	13.1	1.3	209.2	232.2	198.2	11.0
SMDH 00774	815817.10	8197157.94	175.17	0.0	1.0	30.0	4398.7	2.4	15.5	637.8	45.7	688.1	82.5	237.5	151.2	245.8	266.2	2.2	12.1	1.0	251.9	281.0	239.3	12.6
SMDH 00774	815817.10	8197157.94	175.17	1.0	2.0	80.0	6158.9	3.6	23.2	726.6	57.6	437.0	124.5	358.7	228.3	371.2	401.9	3.3	18.0	1.6	254.1	291.1	237.6	16.5
SMDH 00774	815817.10	8197157.94	175.17	2.0	3.0	80.0	4124.3	2.3	14.9	522.2	40.8	728.9	71.0	204.4	130.1	211.5	229.1	2.1	11.7	0.9	231.8	257.1	219.4	12.5
SMDH 00774	815817.10	8197157.94	175.17	3.0	4.0	80.0	4063.6	2.3	13.3	800.6	35.5	422.9	60.2	173.5	110.4	179.5	194.4	2.1	9.9	1.1	261.4	282.9	250.5	10.9
SMDH 00774	815817.10	8197157.94	175.17	4.0	5.0	80.0	5935.8	3.7	15.1	1760.2	51.1	675.9	77.8	224.1	142.7	232.0	251.2	3.3	10.3	1.1	260.9	293.0	246.2	14.7
SMDH 00774	815817.10	8197157.94	175.17	5.0	6.0	80.0	4855.7	3.1	10.8	1711.7	18.8	401.5	56.9	163.8	104.3	169.5	183.6	2.8	6.5	1.2	152.3	163.6	146.8	5.6
SMDH 00774	815817.10	8197157.94	175.17	6.0	7.0	80.0	7583.2	5.0	15.8	2826.8	67.5	619.7	67.6	194.7	123.9	201.5	218.2	4.6	9.9	0.9	374.4	417.0	355.5	18.9
SMDH 00774	815817.10	8197157.94	175.17	7.0	8.0	80.0	5697.7	3.4	16.9	1382.7	64.0	546.2	92.5	266.3	169.5	275.6	298.4	3.0	12.3	1.2	432.9	471.9	413.5	19.4
SMDH 00774	815817.10	8197157.94	175.17	8.0	9.0	80.0	6149.4	3.6	19.6	1154.4	80.1	946.0	113.0	325.5	207.2	336.9	364.8	3.2	14.8	1.3	421.7	472.2	398.4	23.3
SMDH 00774	815817.10	8197157.94	175.17	9.0	9.2	20.0	6158.0	3.5	18.8	1398.0	61.0	790.3	100.6	289.7	184.4	299.9	324.7	3.2	14.0	1.3	477.5	515.3	460.0	17.5
SMDH 00775	816093.72	8197147.62	177.82	0.0	1.0	20.0	5226.7	2.8	20.0	555.8	32.3	1296.2	48.0	138.4	88.1	143.2	155.1	2.6	16.8	0.3	337.6	357.2	327.9	9.7
SMDH 00775	816093.72	8197147.62	177.82	1.0	2.0	80.0	4595.7	2.3	18.0	467.4	33.8	898.9	72.0	207.3	132.0	214.5	232.3	2.1	14.8	0.9	282.5	303.3	272.6	9.8
SMDH 00775	816093.72	8197147.62	177.82	2.0	3.0	80.0	4173.1	2.0	14.5	625.6	45.4	1040.9	83.2	239.7	152.6	248.0	268.6	1.7	11.4	1.1	358.7	386.3	344.7	14.0
SMDH 00775	816093.72	8197147.62	177.82	3.0	4.0	80.0	5002.4	3.0	16.6	889.3	72.9	455.2	74.3	213.9	136.1	221.3	239.7	2.7	12.4	1.3	470.7	515.6	448.2	22.4
SMDH 00775	816093.72	8197147.62	177.82	4.0	5.0	80.0	4610.0	2.7	15.2	785.5	69.9	539.0	78.2	225.3	143.4	233.2	252.5	2.5	11.2	1.3	341.3	385.5	321.4	20.0
SMDH 00775	816093.72	8197147.62	177.82	5.0	6.0	80.0	4553.3	2.7	15.2	752.1	64.9	547.0	75.8	218.2	138.9	225.8	244.6	2.4	11.1	1.4	317.4	357.8	297.7	19.7
SMDH 00775	816093.72	8197147.62	177.82	6.0	7.0	80.0	5330.7	3.3	14.4	1422.5	59.9	517.2	68.3	196.7	125.2	203.6	220.4	3.1	9.8	1.2	365.5	402.2	347.9	17.6
SMDH 00775	816093.72	8197147.62	177.82	7.0	8.0	80.0	7278.5	5.3	15.2	2570.1	52.7	354.1	60.9	175.5	111.7	181.6	196.7	4.9	8.9	0.9	186.5	220.0	171.8	14.7
SMDH 00775	816093.72	8197147.62	177.82	8.0	9.0	80.0	6732.7	4.4	18.7	1714.1	61.4	575.2	90.2	259.7	165.3	268.8	291.1	4.1	13.2	1.1	247.1	285.8	229.1	18.0
SMDH 00775	816093.72	8197147.62	177.82	9.0	10.0	80.0	5740.0	3.6	14.7	1722.4	47.5	504.1	61.6	177.6	113.0	183.8	199.0	3.3	10.0	1.1	264.8	294.5	251.3	13.5
SMDH 00775	816093.72	8197147.62	177.82	10.0	11.0	80.0	4918.2	3.0	15.9	939.4	47.8	516.6	69.7	200.7	127.8	207.7	225.0	2.7	11.7	1.2	291.0	320.1	276.0	15.0
SMDH 00775	816093.72	8197147.62	177.82	11.0	12.0	80.0	9930.0	6.6	20.1	3340.5	29.5	2476.8	67.2	193.5	123.1	200.2	216.8	6.0	12.6	0.9	184.1	202.8	176.1	7.9
SMDH 00775	816093.72	8197147.62	177.82	12.0	13.0	80.0	5688.1	3.6	18.8	1049.9	26.5	319.3	100.6	289.7	184.4	299.8	324.6	3.3	14.0	1.2	156.0	172.2	148.4	7.6
SMDH 00775	816093.72	8197147.62	177.82	13.0	14.0	80.0	4658.2	2.7	16.4	703.4	39.6	521.1	79.8	229.9	146.4	238.0	257.7	2.5	12.5	1.1	219.4	244.6	207.9	11.5
SMDH 00775	816093.72	8197147.62	177.82	14.0	15.0	80.0	4179.8	2.2	14.5	687.9	36.3	583.5	80.4	231.5	147.3	239.5	259.4	2.0	11.1	1.2	323.1	345.6	312.5	10.6
SMDH 00775	816093.72	8197147.62	177.82	15.0	16.0	80.0	4542.4	2.6	16.0	685.1	53.9	531.0	76.9	221.5	141.0	229.2	248.2	2.3	12.3	1.2	241.0	275.1	224.8	16.2
SMDH 00775	816093.72	8197147.62	177.82	16.0	17.0	80.0	3742.9	2.0	13.1	563.2	41.5	552.9	77.4	222.9	141.9	230.7	249.8	1.8	9.9	1.1	246.6	272.4	234.4	12.1
SMDH 00775	816093.72	8197147.62	177.82	17.0	18.0	80.0	4361.5	2.5	15.1	675.0	36.2	514.7	79.1	227.8	145.0	235.8	255.3	2.3	11.3	1.2	238.8	261.3	228.4	10.4
SMDH 00775	816093.72	8197147.62	177.82	18.0	19.0	80.0	4239.7	2.5	13.6	816.9	42.6	468.1	64.5	185.8	118.3	192.3	208.3	2.3	10.0	1.2	273.4	300.6	262.0	11.4
SMDH 00775	816093.72	8197147.62	177.82	19.0	19.6	80.0	4597.3	2.6	16.1	685.0	41.4	597.5	86.2	248.3	158.1	257.0	278.3	2.4	12.2	1.3	280.9	307.7	269.5	11.4
SMDH 00775	816093.72	8197147.62	177.82	19.6	20.0	80.0	4597.3	2.6	16.1	685.0	41.4	597.5	86.2	248.3	158.1	257.0	278.3	2.4	12.2	1.3	280.9	307.7	269.5	11.4
SMDH 00641	816245.01	8194642.65	165.87	0.0	1.0	50.0	5452.6	3.1	20.0	612.8	68.8	800.7	128.6	370.5	235.8	383.4	415.2	2.8	15.5	1.4	326.4	369.7	305.7	20.7
SMDH 00641	816245.01	8194642.65	165.87	1.0	2.0	80.0	3411.3	1.9	12.4	423.9	35.9	620.7	65.1	187.6	119.4	194.2	210.2	1.7	9.7	0.7	218.3	241.1	208.1	10.2
SMDH 00641	816245.01	8194642.65	165.87	2.0	3.0	80.0	4167.2	2.1	14.6	625.2	53.4	825.0	87.3	251.4	160.0	260.2	281.7	1.9	11.5	1.0	358.2	391.8	342.6	15.6
SMDH 00641	816245.01	8194642.65	165.87	3.0	4.0	80.0	3925.9	1.9	12.8	836.6	55.0	616.6	64.6	186.2	118.5	192.7	208.7	1.7	10.1	0.8	480.6	514.7	463.8	16.8
SMDH 00641	816245.01	8194642.65	165.87	4.0	5.0	80.0	4482.2	2.4	15.6	731.6	52.3	621.6	82.0	236.1	150.3	244.4	264.6	2.2	12.1	1.1	351.4	384.4	335.9	15.5
SMDH 00641	816245.01	8194642.65	165.87	5.0	6.0	80.0	3947.1	2.1	13.3	669.5	41.0	705.9	82.0	236.2	150.3	244.4	264.7	1.9	10.3	0.9	321.0	346.2	308.6	12.3
SMDH 00641	816245.01	8194642.65	165.87	6.0	7.0	80.0	4798.9	2.9	13.0	1344.8	41.2	518.3	68.7	197.9	126.0	204.8	221.8	2.7	9.2	0.8	322.2	347.0	309.3	12.9
SMDH 00641	816245.01	8194642.65	165.87	7.0	8.0	80.0	5214.9	3.2	14.0	1474.3	54.2	445.1	75.9	218.7	139.2	226.3	245.1	2.9	9.7	1.1	376.6	411.5	361.2	15.3
SMDH 00641	816245.01	8194642.65	165.87	8.0	9.0	80.0	5038.3	2.9	16.7	951.8	43.9	432.3	101.9	293.4	186.7	303.6	328.8	2.6	12.5	1.4	313.0	341.0	300.8	12.2
SMDH 00641	816245.01	8194642.65	165.87	9.0	10.0	80.0	4523.2	2.3	16.1	642.0	52.7	565.8	115.0	331.4	210.9	342.9	371.3	2.0	12.0	1.8	354.5	387.4	339.3	15.2
SMDH 00641	816245.01	8194642.65	165.87	10.0	11.0	80.0	4375.8	2.2	16.3	537.3	52.9	569.3	97.1	279.8	178.1	289.5	313.5	2.0	12.5	1.5	310.3	343.4	294.4	15.8
SMDH 00641	816245.01	8194642.65	165.87	11.0	12.0	80.0	3902.2	2.0	15.0	400.8	36.3	626.1	67.8	195.4	124.4	202.2	218.9	1.9	11.8	1.1	217.0	239.4	206.0	11.0
SMDH 00641	816245.01	8194642.65	165.87	12.0	13.0	80.0	4338.0	2.4	14.9	747.1	30.3	329.1	87.2	251.2	159.9	260.0	281.5	2.2	11.1	1.4	223.8	242.6	215.1	8.8
SMDH 00641	816245.01	8194642.65	165.87	13.0	14.0	80.0	3918.9	2.1	13.4	713.1	15.9	429.3	74.1	213.4	135.8	220.8	239.1	1.9	9.9	1.4	285.4	294.1	280.6	4.8
SMDH 00641	816245.01	8194642.65	165.87	14.0	15.0	80.0	4518.0	2.6	16.0	665.4	36.4	477.2	84.2	242.6	154.5	251.1	271.9	2.4	12.0	1.3	251.1	274.1	241.0	10.1
SMDH 00641	816245.01	8194642.65	165.87	15.0	15.1	80.0	5138.8	2.9	17.7	838.5	50.6	600.6	99.1	285.5	181.8	295.5	320.0	2.7	13.5	1.3	352.5	383.2	337.1	15.4
SMDH 00648	816073.67	8194903.58	167.04	0.0	1.0	50.0	4283.0	2.2	14.5	617.0	56.1	1135.9	95.3	274.4	174.7	284.0	307.5	1.9	11.3	0.9	345.2	380.7	329.1	16.1
SMDH 00648	816073.67	8194903.58	167.04	1.0	2.0	80.0	3533.7	2.1	12.2	438.7	34.2	805.3	69.4	199.8	127.2	206.8	224.0	1.9	9.4	0.6	254.4	275.8	244.4	9.9
SMDH 00648	816073.67	8194903.58	167.04	2.0	3.0	80.0	3669.9	2.2	13.6	445.4	26.4	429.6	52.0	149.8	95.3	155.0	167.9	2.1	10.8	0.5	253.5	269.2	245.0	8.5
SMDH 00648	816073.67	8194903.58	167.04	3.0	4.0	80.0	4190.3	2.0	13.1	882.9	51.7	1092.2	71.7	206.5	131.5	213.7	231.4	1.8	10.4	0.7	527.1	558.1	511.0	16.1
SMDH 00648	816073.67	8194903.58	167.04	4.0	5.0	80.0	4421.8	2.4	15.6	795.0	46.4	424.0	68.5	197.2	125.5	204.1	221.0	2.2	12.3	0.9	422.5	451.8	409.3	13.2
SMDH 00648	816073.67	8194903.58	167.04	5.0	6.0	80.0	2900.4	1.6	9.6	495.8	31.0	523.2	48.5	139.6	88.9	144.5	156.5	1.5	7.3	0.7	194.6	214.3	185.8	8.8
SMDH 00648	816073.67	8194903.58	167.04	6.0	7.0	80.0	3702.7	2.1	11.9	689.7	55.7	534.4	63.3	182.2	116.0	188.5	204.2	1.9	8.7	1.1	251.9	288.4	236.4	15.4
SMDH 00648	816073.67	8194903.58	167.04	7.0	8.0	80.0	4864.8	2.9	11.9	1527.0	72.4	510.3	58.9	169.6	107.9	175.5	190.0	2.6	7.8	1.2	281.0	327.4	260.2	20.7
SMDH 00648	816073.67	8194903.58	167.04	8.0	9.0	80.0	4796.3	3.0	11.9	1466.7	34.0	443.9	60.4	174.0	110.7	180.0	194.9	2.7	7.8	1.1	223.2	244.9	214.2	9.0
SMDH 00648	816073.67	8194903.58	167.04	9.0	10.0	80.0	4076.6	2.4	12.2	937.4	48.2	399.2	60.2	173.4	110.4	179.5	194.3	2.2	8.6	1.2	229.1	260.2	215.8	13.4
SMDH 00648	816073.67	8194903.58	167.04	10.0	11.0	80.0	3714.2	2.0	13.4	462.1	47.0	522.4	75.8	218.4	139.0	226.0	244.8	1.8	10.1	1.2	231.9	262.8	219.2	12.7
SMDH 00648	816073.67	8194903.58	167.04	11.0	11.5	50.0	3003.3	1.6	10.8	374.2	34.6	578.5	57.0	164.0	104.4	169.7	183.8	1.4	8.3	0.9	189.4	211.8	179.9	9.5
SMDH 00648	816073.67	8194903.58	167.04	11.5	12.0	50.0	3003.3	1.6	10.8	374.2	34.6	578.5	57.0	164.0	104.4	169.7	183.8	1.4	8.3	0.9	189.4	211.8	179.9	9.5
SMDH 00696	815957.73	8195739.06	169.58	0.0	1.0	20.0	4237.4	2.2	13.7	760.7	58.1	1008.4	83.5	240.5	153.1	248.9	269.5	1.9	10.7	0.8	427.9	464.3	410.9	17.0
SMDH 00696	815957.73	8195739.06	169.58	1.0	2.0	50.0	4083.6	2.2	13.2	901.0	47.7	527.6	56.6	163.1	103.8	168.8	182.8	2.0	10.4	0.7	481.9	511.5	468.3	13.6
SMDH 00696	815957.73	8195739.06	169.58	2.0	3.0	80.0	4096.5	2.6	12.1	906.5	25.3	583.9	42.9	123.6	78.7	127.9	138.5	2.4	8.7	0.8	190.6	206.1	183.4	7.2
SMDH 00696	815957.73	8195739.06	169.58	3.0	4.0	80.0	5488.5	4.1	15.3	1127.6	62.6	470.6	63.3	182.2	116.0	188.6	204.2	3.9	10.2	1.0	346.2	386.6	329.1	17.1
SMDH 00696	815957.73	8195739.06	169.58	4.0	5.0	80.0	4742.3	4.3	13.1	489.4	50.6	742.1	67.6	194.8	124.0	201.6	218.3	4.1	7.6	1.2	122.0	155.0	108.3	13.6
SMDH 00696	815957.73	8195739.06	169.58	5.0	6.0	80.0	6256.6	4.2	16.9	1547.2	49.1	713.8	99.1	285.3	181.6	295.3	319.7	3.8	11.5	1.2	343.3	374.0	329.3	14.0
SMDH 00696	815957.73	8195739.06	169.58	6.0	7.0	80.0	5745.3	3.4	18.8	1047.4	50.4	719.3	103.4	297.8	189.6	308.2	333.8	3.1	14.2	1.2	379.2	410.6	364.8	14.4
SMDH 00696	815957.73	8195739.06	169.58	7.0	8.0	80.0	4597.3	2.8	13.2	1128.6	32.7	490.0	70.5	203.1	129.3	210.2	227.6	2.5	9.2	1.2	237.4	257.1	227.5	9.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00696	815957.73	8195739.06	169.58	8.0	9.0	80.0	6222.1	3.8	16.1	1896.3	58.9	480.9	75.6	217.7	138.6	225.3	244.0	3.5	11.1	1.2	387.0	424.2	370.9	16.0
SMDH 00696	815957.73	8195739.06	169.58	9.0	10.0	80.0	4907.3	2.8	15.8	941.2	52.2	520.7	88.8	255.8	162.8	264.7	286.6	2.6	11.6	1.4	283.7	316.7	269.2	14.5
SMDH 00696	815957.73	8195739.06	169.58	10.0	11.0	80.0	5029.7	2.8	15.5	1092.1	58.5	672.2	81.7	235.3	149.8	243.5	263.7	2.5	11.4	1.3	390.2	425.3	372.1	18.1
SMDH 00696	815957.73	8195739.06	169.58	11.0	12.0	80.0	4176.2	2.3	13.3	860.1	62.1	452.8	58.8	169.5	107.9	175.4	189.9	2.1	9.7	1.3	337.6	375.8	318.9	18.7
SMDH 00696	815957.73	8195739.06	169.58	12.0	12.5	80.0	5438.6	3.0	17.5	1136.2	42.9	578.1	92.4	266.1	169.4	275.4	298.2	2.7	13.0	1.4	387.9	414.3	375.7	12.2
SMDH 00695	815675.51	8195729.49	169.75	0.0	1.0	20.0	6330.6	3.7	24.4	580.8	65.2	631.5	143.7	414.0	263.5	428.4	463.9	3.4	19.1	1.6	295.9	337.3	276.6	19.3
SMDH 00695	815675.51	8195729.49	169.75	1.0	2.0	80.0	5172.8	3.0	19.2	542.0	54.9	761.3	112.3	323.3	205.8	334.6	362.3	2.7	15.0	1.2	278.6	313.3	262.6	16.1
SMDH 00695	815675.51	8195729.49	169.75	2.0	3.0	80.0	3998.8	2.2	12.8	723.0	45.6	928.8	71.0	204.4	130.1	211.5	229.1	1.9	9.8	0.8	283.2	312.1	270.0	13.2
SMDH 00695	815675.51	8195729.49	169.75	3.0	4.0	80.0	5552.6	3.3	20.4	708.3	50.4	572.2	100.9	290.6	185.0	300.8	325.7	3.0	15.8	1.3	313.3	345.0	298.3	15.1
SMDH 00695	815675.51	8195729.49	169.75	4.0	5.0	80.0	7011.3	4.1	20.7	1686.3	59.7	872.1	100.6	289.6	184.4	299.7	324.6	3.7	15.3	1.3	552.4	588.7	534.4	18.0
SMDH 00695	815675.51	8195729.49	169.75	5.0	6.0	80.0	7385.4	3.8	19.1	2429.3	88.1	1110.7	83.8	241.3	153.6	249.7	270.4	3.3	14.1	1.2	1170.6	1223.1	1143.4	27.2
SMDH 00695	815675.51	8195729.49	169.75	6.0	7.0	80.0	10842.7	7.9	30.9	2686.7	33.5	181.1	101.8	293.2	186.6	303.4	328.6	7.5	22.0	1.0	114.7	135.9	105.1	9.5
SMDH 00710	815536.77	8196021.90	170.70	0.0	1.0	80.0	5735.2	3.3	20.5	692.5	69.5	930.4	127.1	366.1	233.0	378.8	410.2	3.0	15.9	1.3	353.8	397.8	333.4	20.3
SMDH 00710	815536.77	8196021.90	170.70	1.0	2.0	80.0	4714.5	2.5	14.8	798.4	59.1	1492.7	98.3	283.2	180.3	293.1	317.4	2.1	11.4	0.9	412.4	449.2	394.6	17.8
SMDH 00710	815536.77	8196021.90	170.70	2.0	3.0	80.0	3179.6	1.8	10.9	493.5	34.3	560.0	49.5	142.5	90.7	147.5	159.7	1.6	8.6	0.6	239.6	260.6	229.5	10.0
SMDH 00710	815536.77	8196021.90	170.70	3.0	4.0	80.0	5785.6	3.7	20.1	855.9	39.5	436.1	82.7	238.2	151.6	246.5	266.9	3.5	15.2	1.2	236.6	261.5	225.4	11.1
SMDH 00710	815536.77	8196021.90	170.70	4.0	5.0	80.0	6199.7	3.8	19.8	1241.3	55.7	523.8	91.0	262.0	166.8	271.2	293.6	3.5	14.8	1.2	400.2	434.4	383.7	16.5
SMDH 00710	815536.77	8196021.90	170.70	5.0	6.0	80.0	6009.5	3.8	15.8	1756.1	50.5	448.0	83.2	239.7	152.6	248.0	268.6	3.4	11.0	1.1	450.0	480.8	435.4	14.6
SMDH 00710	815536.77	8196021.90	170.70	6.0	7.0	80.0	6969.5	4.5	15.8	2421.5	47.5	590.2	72.6	209.1	133.1	216.4	234.3	4.1	10.4	1.0	308.5	338.4	294.9	13.6
SMDH 00710	815536.77	8196021.90	170.70	7.0	8.0	80.0	8335.5	5.5	15.9	3447.4	39.8	564.7	71.4	205.5	130.8	212.7	230.3	5.0	9.6	0.9	286.9	311.4	275.3	11.7
SMDH 00710	815536.77	8196021.90	170.70	8.0	9.0	80.0	5331.6	3.1	16.1	1282.3	43.0	497.2	91.2	262.7	167.2	271.8	294.4	2.8	11.8	1.2	452.5	478.1	439.5	13.0
SMDH 00710	815536.77	8196021.90	170.70	9.0	10.0	80.0	5691.6	3.2	16.7	1374.9	50.9	926.2	93.3	268.6	171.0	278.0	301.1	2.8	12.3	1.1	538.1	569.2	523.7	14.4
SMDH 00710	815536.77	8196021.90	170.70	10.0	11.0	80.0	5141.1	2.9	16.1	1107.1	49.4	593.6	87.0	250.4	159.4	259.2	280.7	2.7	11.9	1.2	405.6	436.7	391.9	13.7
SMDH 00710	815536.77	8196021.90	170.70	11.0	12.0	80.0	4883.9	2.8	15.7	992.1	57.0	526.5	84.7	243.8	155.2	252.3	273.2	2.5	11.7	1.2	397.3	433.5	381.3	16.0
SMDH 00710	815536.77	8196021.90	170.70	12.0	12.9	80.0	5571.1	3.1	17.8	1148.8	61.6	729.9	96.5	277.9	176.9	287.6	311.4	2.8	13.4	1.2	494.9	534.0	477.6	17.3
SMDH 00710	815536.77	8196021.90	170.70	12.9	13.0	80.0	5571.1	3.1	17.8	1148.8	61.6	729.9	96.5	277.9	176.9	287.6	311.4	2.8	13.4	1.2	494.9	534.0	477.6	17.3
SMDH 00711	815812.98	8196013.51	170.51	0.0	1.0	20.0	4710.4	2.6	16.5	611.1	57.1	1034.3	103.1	296.9	189.0	307.3	332.7	2.3	12.9	1.0	330.7	366.6	313.9	16.9
SMDH 00711	815812.98	8196013.51	170.51	1.0	2.0	80.0	3872.8	1.9	11.6	687.6	55.4	1536.7	84.7	244.0	155.3	252.5	273.4	1.6	8.9	0.7	386.7	421.3	370.4	16.4
SMDH 00711	815812.98	8196013.51	170.51	2.0	3.0	80.0	4865.7	2.6	16.7	739.1	56.0	949.9	106.3	306.3	195.0	317.0	343.3	2.3	13.0	1.1	380.8	415.8	364.6	16.2
SMDH 00711	815812.98	8196013.51	170.51	3.0	4.0	80.0	4251.1	2.3	14.7	618.9	42.9	957.2	86.1	247.9	157.8	256.6	277.8	2.0	11.5	0.9	322.2	349.8	310.4	11.9
SMDH 00711	815812.98	8196013.51	170.51	4.0	5.0	80.0	3718.2	2.0	12.7	543.7	39.3	870.2	68.1	196.1	124.8	203.0	219.8	1.8	9.9	0.8	294.6	319.5	283.4	11.2
SMDH 00711	815812.98	8196013.51	170.51	5.0	6.0	80.0	5438.8	3.3	17.7	956.9	43.4	706.1	98.6	284.1	180.8	294.0	318.4	3.0	13.1	1.2	277.4	305.0	265.7	11.7
SMDH 00711	815812.98	8196013.51	170.51	6.0	7.0	80.0	5711.0	3.6	13.6	1799.9	28.7	738.5	79.5	228.9	145.7	236.9	256.5	3.3	9.0	1.0	200.4	218.7	192.8	7.6
SMDH 00711	815812.98	8196013.51	170.51	7.0	8.0	80.0	5754.5	3.6	14.9	1675.4	22.1	623.6	86.3	248.6	158.3	257.3	278.6	3.3	10.2	1.1	201.3	214.9	195.5	5.8
SMDH 00711	815812.98	8196013.51	170.51	8.0	9.0	80.0	5112.5	3.2	13.2	1476.6	8.7	622.7	77.0	221.8	141.2	229.5	248.5	2.9	8.8	1.2	103.6	108.6	101.7	2.0
SMDH 00711	815812.98	8196013.51	170.51	9.0	10.0	80.0	5304.4	3.1	15.2	1242.0	15.2	994.8	87.9	253.0	161.1	261.9	283.6	2.8	10.8	1.2	209.5	218.2	205.5	4.0
SMDH 00711	815812.98	8196013.51	170.51	10.0	11.0	80.0	5442.8	3.3	17.3	1033.8	35.8	694.7	98.5	283.8	180.6	293.7	318.0	3.0	12.7	1.3	244.8	267.2	235.2	9.6
SMDH 00711	815812.98	8196013.51	170.51	11.0	12.0	80.0	6275.0	3.6	19.5	1344.8	65.8	845.1	105.7	304.5	193.8	315.1	341.2	3.2	14.6	1.3	555.9	596.5	536.8	19.0
SMDH 00711	815812.98	8196013.51	170.51	12.0	13.0	80.0	5117.5	2.9	15.8	1099.6	40.8	715.8	87.9	253.2	161.1	262.0	283.7	2.6	11.5	1.3	352.1	377.2	340.5	11.6
SMDH 00711	815812.98	8196013.51	170.51	13.0	14.0	80.0	4686.1	2.7	14.9	840.8	23.9	850.1	87.9	253.0	161.1	261.9	283.6	2.4	10.9	1.3	193.5	208.4	187.2	6.3
SMDH 00711	815812.98	8196013.51	170.51	14.0	15.0	80.0	5459.9	3.1	17.4	1036.1	43.9	914.0	104.5	300.9	191.5	311.4	337.2	2.8	12.9	1.3	346.9	374.2	334.7	12.2
SMDH 00711	815812.98	8196013.51	170.51	15.0	16.0	80.0	6013.0	3.3	18.5	1382.0	69.5	711.9	101.9	293.5	186.8	303.7	328.9	3.0	13.9	1.3	560.3	604.6	541.2	19.1
SMDH 00711	815812.98	8196013.51	170.51	16.0	16.5	80.0	5865.5	3.3	18.3	1262.1	60.1	804.2	105.1	302.6	192.6	313.2	339.2	3.0	13.6	1.3	488.6	526.5	471.8	16.8
SMDH 00711	815812.98	8196013.51	170.51	16.5	17.0	80.0	5865.5	3.3	18.3	1262.1	60.1	804.2	105.1	302.6	192.6	313.2	339.2	3.0	13.6	1.3	488.6	526.5	471.8	16.8
SMDH 00712	816100.02	8196023.15	171.77	0.0	1.0	20.0	5407.3	2.8	19.9	608.1	49.0	1436.3	88.2	254.2	161.8	263.0	284.8	2.4	16.2	1.0	370.5	400.9	356.0	14.5
SMDH 00712	816100.02	8196023.15	171.77	1.0	2.0	80.0	4616.6	2.6	14.4	974.4	46.0	794.2	73.9	212.9	135.5	220.3	238.6	2.3	10.8	1.0	333.9	362.6	320.4	13.5
SMDH 00712	816100.02	8196023.15	171.77	2.0	3.0	80.0	8601.3	6.2	24.5	2111.7	44.1	176.4	80.9	232.9	148.3	241.1	261.1	5.9	17.3	1.0	95.7	124.1	83.8	11.9
SMDH 00712	816100.02	8196023.15	171.77	3.0	4.0	80.0	7567.6	5.5	18.6	2306.9	35.2	108.1	60.2	173.4	110.4	179.4	194.3	5.2	12.1	1.0	60.7	83.2	51.5	9.2
SMDH 00712	816100.02	8196023.15	171.77	4.0	5.0	80.0	12044.9	8.8	28.0	4125.6	33.5	93.2	81.7	235.4	149.8	243.6	263.8	8.2	18.5	0.7	48.7	69.8	39.0	9.6
SMDH 00712	816100.02	8196023.15	171.77	5.0	5.1	80.0	11214.9	8.3	31.2	2879.3	35.4	135.0	107.0	308.2	196.2	318.9	345.4	7.9	22.0	0.9	51.3	73.5	41.4	9.9
SMDH 00727	815668.89	8196298.60	172.11	0.0	1.0	20.0	2094.3	1.2	7.6	253.2	17.6	330.7	33.6	96.8	61.6	100.1	108.4	1.1	6.0	0.4	121.1	132.3	116.1	5.0
SMDH 00727	815668.89	8196298.60	172.11	1.0	2.0	80.0	2006.6	1.2	7.8	193.7	14.4	261.1	26.8	77.3	49.2	80.0	86.6	1.1	6.1	0.4	100.0	109.2	96.1	3.9
SMDH 00727	815668.89	8196298.60	172.11	2.0	3.0	80.0	3466.6	1.9	12.7	469.9	37.0	521.3	56.8	163.7	104.2	169.4	183.4	1.7	10.1	0.6	245.9	269.3	235.4	10.6
SMDH 00727	815668.89	8196298.60	172.11	3.0	4.0	80.0	4518.2	2.5	15.9	635.2	50.7	796.1	91.1	262.3	166.9	271.4	293.9	2.2	12.4	1.0	314.5	346.2	299.7	14.8
SMDH 00727	815668.89	8196298.60	172.11	4.0	5.0	80.0	7007.5	4.5	22.6	1204.6	123.0	924.1	89.0	256.5	163.3	265.4	287.4	4.1	17.3	0.9	385.4	464.5	350.2	35.2
SMDH 00727	815668.89	8196298.60	172.11	5.0	6.0	80.0	10202.3	7.6	30.7	1722.2	169.9	943.3	168.2	484.4	308.4	501.4	542.9	7.2	22.0	1.1	432.5	543.0	384.4	48.1
SMDH 00727	815668.89	8196298.60	172.11	6.0	7.0	80.0	9683.0	7.2	30.5	1261.3	238.0	1126.9	159.1	458.1	291.6	474.1	513.4	6.7	22.0	1.3	545.7	700.1	478.4	67.3
SMDH 00727	815668.89	8196298.60	172.11	7.0	8.0	80.0	8742.5	5.8	28.9	1312.9	139.6	1031.7	149.2	429.8	273.6	444.8	481.6	5.4	22.0	1.1	406.9	495.1	365.3	41.6
SMDH 00727	815668.89	8196298.60	172.11	8.0	9.0	80.0	6224.4	3.8	18.8	1362.4	72.2	692.5	92.6	266.8	169.8	276.1	298.9	3.5	13.8	1.1	397.4	443.9	377.9	19.6
SMDH 00727	815668.89	8196298.60	172.11	9.0	10.0	80.0	9423.2	7.6	30.8	976.2	152.8	748.6	193.9	558.6	355.6	578.1	626.0	7.1	22.0	1.2	211.1	311.2	167.9	43.2
SMDH 00727	815668.89	8196298.60	172.11	10.0	11.0	80.0	8767.6	6.0	29.2	1313.8	103.8	758.4	140.7	405.4	258.0	419.5	454.3	5.6	22.0	1.2	320.0	387.3	291.4	28.6
SMDH 00727	815668.89	8196298.60	172.11	11.0	12.0	80.0	6503.4	3.6	19.6	1599.6	76.7	752.3	107.2	308.8	196.6	319.6	346.1	3.2	14.7	1.3	658.9	707.8	637.5	21.3
SMDH 00727	815668.89	8196298.60	172.11	12.0	12.1	80.0	4529.2	2.7	15.7	682.8	35.9	439.9	75.6	217.9	138.7	225.5	244.2	2.5	11.7	1.3	162.3	185.5	152.3	10.0
SMDH 00742	815528.67	8196588.05	172.80	0.0	1.0	40.0	3659.5	1.9	11.8	600.2	50.1	1061.4	79.5	229.0	145.8	237.0	256.6	1.6	9.2	0.7	319.4	350.8	304.8	14.6
SMDH 00742	815528.67	8196588.05	172.80	1.0	2.0	80.0	4232.1	2.2	13.4	694.5	54.9	1360.5	90.6	260.9	166.1	270.0	292.4	1.9	10.4	0.8	373.7	408.4	357.6	16.0
SMDH 00742	815528.67	8196588.05	172.80	2.0	3.0	80.0	4335.1	2.1	12.6	970.8	58.3	1412.7	87.7	252.4	160.7	261.3	282.9	1.7	9.8	0.7	515.4	551.2	498.1	17.3
SMDH 00742	815528.67	8196588.05	172.80	3.0	4.0	80.0	4949.0	2.6	16.9	789.8	51.8	1072.4	89.2	256.8	163.5	265.8	287.8	2.3	13.2	1.0	399.9	432.3	384.7	15.2
SMDH 00742	815528.67	8196588.05	172.80	4.0	5.0	80.0	5799.1	3.0	18.7	931.7	68.2	1741.6	109.6	315.6	200.9	326.6	353.7	2.6	14.5	1.2	464.7	507.5	444.8	19.9
SMDH 00742	815528.67	8196588.05	172.80	5.0	6.0	80.0	4393.5	2.4	14.2	778.0	47.9	874.4	80.1	230.6	146.8	238.6	258.4	2.1	10.6	1.2	313.3	343.4	299.6	13.6
SMDH 00742	815528.67	8196588.05	172.80	6.0	7.0	80.0	4190.3	2.3	13.6	740.0	37.5	748.5	87.6	252.3	160.6	261.1	282.8	2.0	10.1	1.2	297.5	320.4	286.5	11.1
SMDH 00742	815528.67	8196588.05	172.80	7.0	8.0	80.0	4793.6	2.7	14.6	1063.7	54.3	642.7	83.0	239.0	152.2	247.4	267.9	2.4	10.6	1.2	310.3	345.3	295.6	14.7
SMDH 00742	815528.67	8196588.05	172.80	8.0	9.0	80.0	4432.3	2.6	11.8	1264.2	43.2	429.2	57.4	165.4	105.3	171.2	185.4	2.4	8.1	1.1	200.4	226.7	187.1	13.3
SMDH 00742	815528.67	8196588.05	172.80	9.0	10.0	80.0	3870.5	2.2	12.0	801.3	55.5	479.6	60.1	173.0	110.1	179.0	193.9	2.0	8.7	1.1	210.2	245.5	194.4	15.8
SMDH 00742	815528.67	8196588.05	172.80	10.0	11.0	80.0	4738.4	2.8	12.9	1227.9	60.8	736.0	70.6	203.3	129.4	210.4	227.9	2.5	9.1	1.1	273.6	312.1	256.1	17.5
SMDH 00742	815528.67	8196588.05	172.80	11.0	12.0	80.0	3956.3	2.2	13.1	651.6	62.8	610.9	76.8	221.2	140.8	228.9	247.9	2.0	9.8	1.1	258.1	298.0	240.0	18.1
SMDH 00742	815528.67	8196588.05	172.80	12.0	13.0	80.0	3780.6	2.1	12.3	722.9	49.3	463.3	66.9	192.7	122.7	199.5	216.0	1.9	9.1	1.2	280.6	311.3	266.3	14.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00742	815528.67	8196588.05	172.80	13.0	14.0	80.0	4997.0	2.7	15.1	1162.0	46.8	653.9	87.1	250.9	159.7	259.6	281.1	2.4	11.0	1.4	362.5	391.0	348.7	13.8
SMDH 00742	815528.67	8196588.05	172.80	14.0	14.2	80.0	4789.0	2.6	14.2	1103.3	66.8	776.8	72.5	208.8	132.9	216.1	234.0	2.3	10.3	1.3	471.3	511.2	450.9	20.4
SMDH 00743	815813.99	8196561.81	172.42	0.0	1.0	30.0	4315.2	2.4	14.0	768.1	55.4	940.8	78.0	224.7	143.0	232.5	251.8	2.1	10.8	0.8	407.3	442.2	391.5	15.8
SMDH 00743	815813.99	8196561.81	172.42	1.0	2.0	80.0	3606.7	1.8	11.7	793.8	42.9	559.3	51.8	149.3	95.0	154.5	167.3	1.6	9.1	0.8	418.1	444.1	404.9	13.2
SMDH 00743	815813.99	8196561.81	172.42	2.0	3.0	80.0	4551.7	2.7	15.1	774.6	52.8	544.6	71.7	206.5	131.5	213.7	231.4	2.5	11.4	1.0	258.5	291.8	243.4	15.1
SMDH 00743	815813.99	8196561.81	172.42	3.0	4.0	80.0	5800.0	3.3	18.3	1093.3	60.2	1214.8	105.0	302.4	192.5	313.0	338.9	2.9	13.9	1.2	396.3	434.6	378.8	17.5
SMDH 00743	815813.99	8196561.81	172.42	4.0	5.0	80.0	5384.6	2.6	16.4	1042.6	70.1	1788.6	110.7	318.9	203.0	330.1	357.4	2.2	12.8	1.0	607.6	649.5	584.2	23.3
SMDH 00743	815813.99	8196561.81	172.42	5.0	6.0	80.0	4510.5	2.3	14.2	1019.3	56.1	761.2	63.0	181.5	115.5	187.9	203.4	2.1	11.1	0.8	565.6	599.2	547.4	18.2
SMDH 00743	815813.99	8196561.81	172.42	6.0	7.0	80.0	6625.6	3.5	17.2	2031.9	79.1	1180.5	85.9	247.4	157.5	256.0	277.2	3.1	12.5	1.1	867.0	913.4	841.6	25.4
SMDH 00743	815813.99	8196561.81	172.42	7.0	8.0	80.0	5595.7	3.3	18.1	1057.8	90.5	522.4	85.1	245.0	156.0	253.6	274.6	3.1	13.4	1.4	349.7	403.8	320.2	29.5
SMDH 00743	815813.99	8196561.81	172.42	8.0	9.0	80.0	4794.6	2.6	13.9	1319.2	55.7	421.0	67.6	194.8	124.0	201.6	218.3	2.3	10.2	1.1	521.1	555.0	504.3	16.7
SMDH 00743	815813.99	8196561.81	172.42	9.0	10.0	80.0	5817.5	3.3	14.8	1811.8	57.0	853.9	79.5	229.0	145.8	237.0	256.7	2.9	10.4	1.1	534.2	570.4	519.3	14.9
SMDH 00743	815813.99	8196561.81	172.42	10.0	11.0	80.0	5437.0	3.0	16.6	1219.0	58.3	760.9	92.9	267.5	170.3	276.8	299.7	2.7	12.3	1.2	468.2	504.1	450.7	17.4
SMDH 00743	815813.99	8196561.81	172.42	11.0	12.0	80.0	5657.5	3.1	17.6	1186.1	71.9	862.3	99.2	285.7	181.8	295.6	320.1	2.8	13.2	1.3	487.4	532.4	466.8	20.6
SMDH 00743	815813.99	8196561.81	172.42	12.0	13.0	80.0	4549.5	2.6	14.8	909.4	37.5	474.9	72.3	208.4	132.6	215.6	233.5	2.3	10.9	1.3	301.4	324.0	290.4	11.0
SMDH 00743	815813.99	8196561.81	172.42	13.0	13.9	80.0	5293.8	2.9	16.9	1118.0	51.7	648.8	93.3	268.6	171.0	278.0	301.1	2.6	12.7	1.3	479.8	511.2	464.8	14.9
SMDH 00743	815813.99	8196561.81	172.42	13.9	14.0	80.0	5293.8	2.9	16.9	1118.0	51.7	648.8	93.3	268.6	171.0	278.0	301.1	2.6	12.7	1.3	479.8	511.2	464.8	14.9
SMDH 00744	816100.81	8196581.41	176.10	0.0	1.0	20.0	6283.3	3.8	26.4	386.3	27.7	676.5	55.2	159.1	101.2	164.6	178.3	3.6	22.0	0.5	207.6	224.1	198.8	8.9
SMDH 00744	816100.81	8196581.41	176.10	1.0	2.0	80.0	4286.2	2.3	16.3	526.1	49.0	547.0	69.2	199.3	126.8	206.2	223.3	2.1	13.1	0.9	293.8	324.8	279.3	14.5
SMDH 00744	816100.81	8196581.41	176.10	2.0	3.0	80.0	4179.6	2.4	15.4	504.9	45.4	483.0	77.9	224.4	142.8	232.2	251.4	2.2	12.0	1.0	242.8	272.7	230.7	12.1
SMDH 00744	816100.81	8196581.41	176.10	3.0	4.0	80.0	4846.6	2.6	17.5	667.1	52.1	854.7	79.1	227.7	144.9	235.6	255.2	2.4	13.9	0.9	396.4	428.5	380.7	15.7
SMDH 00744	816100.81	8196581.41	176.10	4.0	5.0	80.0	4963.6	2.8	16.8	882.3	37.9	630.3	75.6	217.8	138.6	225.4	244.0	2.6	12.8	1.2	354.5	377.7	343.8	10.7
SMDH 00744	816100.81	8196581.41	176.10	5.0	6.0	80.0	5794.7	3.9	15.4	1512.2	15.6	600.8	72.2	208.1	132.4	215.3	233.2	3.6	10.3	1.2	101.6	110.8	97.6	4.0
SMDH 00744	816100.81	8196581.41	176.10	6.0	7.0	80.0	5313.0	3.8	11.1	1845.1	7.0	417.5	49.1	141.4	90.0	146.3	158.4	3.5	6.1	1.2	31.9	35.3	30.2	1.7
SMDH 00744	816100.81	8196581.41	176.10	7.0	8.0	50.0	6591.2	4.7	15.0	2094.5	5.9	685.7	66.3	191.1	121.6	197.8	214.2	4.3	9.4	1.0	30.9	33.8	29.6	1.3
SMDH 00744	816100.81	8196581.41	176.10	8.0	9.0	80.0	6456.8	4.3	15.5	2001.8	13.6	708.1	78.7	226.7	144.3	234.7	254.1	3.9	10.2	1.0	246.7	254.0	242.3	4.4
SMDH 00744	816100.81	8196581.41	176.10	9.0	10.0	80.0	5086.0	3.2	15.4	1041.1	13.2	752.4	81.2	233.9	148.9	242.1	262.1	2.9	11.1	1.1	173.6	181.3	170.0	3.5
SMDH 00744	816100.81	8196581.41	176.10	10.0	11.0	80.0	5256.7	3.3	14.5	1319.8	15.6	713.1	82.6	237.8	151.4	246.1	266.5	3.0	10.1	1.1	246.5	255.4	241.8	4.7
SMDH 00744	816100.81	8196581.41	176.10	11.0	11.9	80.0	5229.7	2.9	14.8	1406.3	23.2	706.1	76.7	220.8	140.6	228.5	247.5	2.6	10.7	1.2	355.7	369.8	349.3	6.4
SMDH 00744	816100.81	8196581.41	176.10	11.9	12.0	80.0	5229.7	2.9	14.8	1406.3	23.2	706.1	76.7	220.8	140.6	228.5	247.5	2.6	10.7	1.2	355.7	369.8	349.3	6.4
SMDH 00728	815953.95	8196300.34	172.47	0.0	1.0	30.0	2851.3	1.4	10.2	397.1	23.2	731.1	46.5	133.8	85.2	138.5	150.0	1.3	8.3	0.4	200.2	214.3	193.2	6.9
SMDH 00728	815953.95	8196300.34	172.47	1.0	2.0	80.0	4669.8	2.5	18.0	604.7	32.3	517.3	63.8	183.6	116.9	190.1	205.8	2.3	14.6	0.9	274.5	294.4	265.2	9.3
SMDH 00728	815953.95	8196300.34	172.47	2.0	3.0	80.0	2667.1	1.3	9.8	410.0	18.3	323.9	41.8	120.5	76.7	124.7	135.0	1.2	7.7	0.8	206.1	217.1	201.1	4.9
SMDH 00728	815953.95	8196300.34	172.47	3.0	4.0	80.0	3664.7	1.8	13.0	703.5	37.4	388.4	51.8	149.1	94.9	154.3	167.1	1.6	10.4	0.8	405.3	428.3	394.4	11.0
SMDH 00728	815953.95	8196300.34	172.47	4.0	5.0	80.0	3352.8	1.8	11.5	480.7	39.7	769.6	61.0	175.8	111.9	181.9	197.0	1.6	8.9	0.8	273.1	298.3	262.3	10.8
SMDH 00728	815953.95	8196300.34	172.47	5.0	6.0	80.0	3873.8	2.2	12.7	691.4	28.3	581.2	67.6	194.6	123.9	201.4	218.1	2.0	9.4	1.2	214.7	231.9	206.7	8.0
SMDH 00728	815953.95	8196300.34	172.47	6.0	7.0	80.0	3609.4	2.1	11.8	585.4	13.3	676.3	65.2	187.7	119.5	194.3	210.4	1.9	8.7	1.0	79.1	87.3	75.7	3.3
SMDH 00728	815953.95	8196300.34	172.47	7.0	8.0	80.0	3978.5	2.2	13.7	561.8	31.6	755.8	85.8	247.2	157.4	255.9	277.1	1.9	10.4	1.2	254.3	273.5	245.0	9.3
SMDH 00728	815953.95	8196300.34	172.47	8.0	9.0	80.0	5609.8	3.6	15.7	1425.3	28.3	558.6	77.0	221.7	141.1	229.4	248.4	3.3	11.0	1.1	179.0	196.6	171.1	8.0
SMDH 00728	815953.95	8196300.34	172.47	9.0	10.0	80.0	3749.1	2.2	12.2	702.0	10.1	457.0	65.4	188.3	119.9	194.9	211.0	2.0	8.7	1.3	121.0	126.6	118.0	3.0
SMDH 00728	815953.95	8196300.34	172.47	10.0	11.0	50.0	4078.4	2.4	12.8	810.7	9.2	550.3	74.3	214.0	136.2	221.4	239.8	2.2	9.1	1.3	102.6	107.3	100.1	2.5
SMDH 00728	815953.95	8196300.34	172.47	11.0	12.0	30.0	4617.8	2.7	16.3	619.9	21.0	663.3	86.0	247.7	157.7	256.4	277.6	2.5	12.3	1.3	158.9	171.6	152.9	6.0
SMDH 00728	815953.95	8196300.34	172.47	12.0	13.0	80.0	4764.4	2.7	15.0	959.8	31.0	728.7	89.3	257.2	163.7	266.2	288.3	2.4	11.1	1.3	335.6	354.1	326.9	8.7
SMDH 00728	815953.95	8196300.34	172.47	13.0	13.5	80.0	4584.8	2.7	14.3	992.5	12.1	424.3	83.1	239.4	152.4	247.7	268.3	2.5	10.2	1.4	213.3	219.8	209.8	3.4
SMDH 00773	815243.71	8197140.07	175.71	0.0	1.0	70.0	5845.9	3.3	22.5	683.5	38.8	515.4	130.3	375.2	238.8	388.3	420.5	3.0	18.1	1.2	324.2	348.1	312.6	11.6
SMDH 00773	815243.71	8197140.07	175.71	1.0	2.0	70.0	8934.9	6.5	29.5	1505.2	30.0	164.2	144.4	415.9	264.7	430.4	466.1	6.1	22.0	1.1	64.3	83.4	55.4	8.9
SMDH 00773	815243.71	8197140.07	175.71	2.0	3.0	70.0	6392.2	4.2	20.6	1277.8	18.0	161.0	108.8	313.3	199.4	324.3	351.1	3.9	15.0	1.4	117.8	128.7	112.8	5.0
SMDH 00773	815243.71	8197140.07	175.71	3.0	4.0	80.0	6401.5	4.1	14.5	2319.8	7.5	159.9	66.7	192.2	122.4	198.9	215.4	3.8	8.8	1.5	66.9	70.7	64.9	2.0
SMDH 00773	815243.71	8197140.07	175.71	4.0	5.0	80.0	5093.8	3.1	13.5	1495.6	11.4	167.3	71.6	206.2	131.3	213.4	231.1	2.9	8.7	1.7	120.1	126.6	117.1	3.0
SMDH 00773	815243.71	8197140.07	175.71	5.0	6.0	80.0	4689.1	2.8	10.9	1704.0	19.7	130.2	49.3	142.0	90.4	147.0	159.2	2.5	6.6	1.6	224.1	235.6	218.2	5.9
SMDH 00772	814969.89	8197135.74	179.94	0.0	1.0	30.0	5067.5	2.4	17.0	896.0	73.2	1154.6	97.7	281.5	179.2	291.4	315.5	2.1	13.2	1.3	503.4	549.5	482.1	21.3
SMDH 00772	814969.89	8197135.74	179.94	1.0	2.0	80.0	5111.9	2.8	17.9	806.2	59.5	636.8	93.7	269.9	171.8	279.3	302.5	2.6	13.7	1.3	332.5	369.8	314.9	17.6
SMDH 00772	814969.89	8197135.74	179.94	2.0	3.0	80.0	5990.4	3.6	19.5	1102.0	61.5	604.6	110.5	318.1	202.5	329.2	356.5	3.3	14.7	1.2	259.4	298.9	242.4	16.9
SMDH 00772	814969.89	8197135.74	179.94	3.0	4.0	80.0	5906.6	3.6	18.2	1297.7	58.6	477.3	101.1	291.2	185.4	301.4	326.4	3.3	13.3	1.3	275.2	311.5	257.2	18.0
SMDH 00772	814969.89	8197135.74	179.94	4.0	5.0	80.0	5269.4	3.1	15.9	1199.6	60.3	470.6	72.2	208.0	132.4	215.3	233.1	2.9	11.5	1.3	249.1	287.4	231.5	17.6
SMDH 00772	814969.89	8197135.74	179.94	5.0	6.0	80.0	5647.2	3.4	16.7	1374.0	52.8	455.0	97.1	279.6	178.0	289.3	313.3	3.1	12.0	1.3	316.5	350.0	301.8	14.8
SMDH 00772	814969.89	8197135.74	179.94	6.0	6.3	80.0	5506.6	3.2	17.4	1132.3	55.4	704.9	89.5	257.8	164.1	266.8	288.9	2.9	13.0	1.2	335.9	370.7	319.8	16.2
SMDH 00772	814969.89	8197135.74	179.94	6.3	6.5	80.0	5506.6	3.2	17.4	1132.3	55.4	704.9	89.5	257.8	164.1	266.8	288.9	2.9	13.0	1.2	335.9	370.7	319.8	16.2
SMDH 00771	814692.26	8197142.54	177.71	0.0	1.0	20.0	6490.8	3.3	22.8	985.3	82.7	1275.9	131.1	377.7	240.4	390.9	423.3	2.9	17.9	1.6	577.8	630.3	554.1	23.7
SMDH 00771	814692.26	8197142.54	177.71	1.0	2.0	80.0	8248.9	5.0	28.4	1271.2	120.6	938.6	146.6	422.1	268.7	436.8	473.0	4.5	22.0	1.4	488.6	566.6	454.2	34.4
SMDH 00771	814692.26	8197142.54	177.71	2.0	3.0	80.0	8664.6	5.7	18.2	3347.9	51.4	451.4	76.2	219.5	139.7	227.1	246.0	5.2	11.5	1.1	320.0	352.6	305.7	14.3
SMDH 00771	814692.26	8197142.54	177.71	3.0	4.0	80.0	7917.1	5.2	19.9	2370.3	53.1	706.5	98.3	283.2	180.3	293.1	317.4	4.8	13.5	1.2	410.9	444.7	396.8	14.2
SMDH 00771	814692.26	8197142.54	177.71	4.0	5.0	80.0	8425.9	5.6	19.6	2775.0	72.1	715.7	86.3	248.4	158.1	257.1	278.4	5.1	12.9	1.1	430.8	475.7	409.8	21.0
SMDH 00771	814692.26	8197142.54	177.71	5.0	6.0	80.0	9037.1	5.8	28.0	1874.9	124.8	775.5	124.5	358.5	228.2	371.0	401.7	5.4	21.1	1.1	440.0	521.3	404.3	35.7
SMDH 00771	814692.26	8197142.54	177.71	6.0	7.0	80.0	9506.9	6.3	29.5	1551.8	136.9	1489.5	261.5	753.3	479.5	779.6	844.2	5.7	22.0	1.2	529.8	618.0	489.7	40.2
SMDH 00771	814692.26	8197142.54	177.71	7.0	8.0	80.0	7214.7	4.3	21.4	1711.3	94.7	827.7	132.5	381.5	242.9	394.9	427.6	3.9	15.9	1.2	535.1	594.2	506.6	28.5
SMDH 00771	814692.26	8197142.54	177.71	8.0	9.0	80.0	7624.7	4.5	25.1	1291.1	73.1	1201.7	182.0	524.3	333.7	542.6	587.6	4.1	19.3	1.2	426.8	473.6	405.8	21.0
SMDH 00771	814692.26	8197142.54	177.71	9.0	10.0	80.0	6741.8	3.8	19.2	1793.3	77.9	855.2	118.4	341.1	217.1	353.0	382.3	3.4	14.2	1.2	685.6	734.1	663.4	22.2
SMDH 00771	814692.26	8197142.54	177.71	10.0	11.0	80.0	9049.3	5.7	28.9	1351.7	124.7	1908.1	221.4	637.6	405.9	659.9	714.5	5.1	22.0	1.2	564.8	643.9	528.0	36.8
SMDH 00771	814692.26	8197142.54	177.71	11.0	12.0	80.0	10908.3	9.4	32.9	1028.9	299.3	1265.8	174.0	501.1	318.9	518.5	561.5	8.9	22.0	1.5	455.1	651.8	367.5	87.6
SMDH 00771	814692.26	8197142.54	177.71	12.0	13.0	80.0	9047.4	7.2	31.0	517.4	210.8	1013.2	135.9	391.5	249.2	405.1	438.7	6.9	22.0	1.7	196.4	337.6	136.5	59.9
SMDH 00771	814692.26	8197142.54	177.71	13.0	14.0	80.0	9042.3	6.7	30.2	897.3	168.4	1095.5	185.2	533.5	339.6	552.1	597.9	6.3	22.0	1.5	341.7	452.6	293.3	48.4
SMDH 00771	814692.26	8197142.54	177.71	14.0	15.0	80.0	5928.0	3.4	18.1	1292.3	42.6	955.1	110.8	319.2	203.2	330.3	357.7	3.0	13.4	1.3	461.8	488.2	449.4	12.4
SMDH 00771	814692.26	8197142.54	177.71	15.0	15.5	80.0	9980.9	7.2	30.5	1629.8	108.9	808.0	377.8	1088.2	692.7	1126.2	1219.6	6.5	22.0	1.3	424.3	495.3	392.3	32.0
SMDH 00771	814692.26	8197142.54	177.71	15.5	15.7	80.0	9980.9	7.2	30.5	1629.8	108.9	808.0	377.8	1088.2	692.7	1126.2	1219.6	6.5	22.0	1.3	424.3	495.3	392.3	32.0
SMDH 00770	814406.62	8197140.67	172.13	0.0	1.0	20.0	3763.4	1.9	10.3	863.7	53.2	1385.9	65.0	187.2	119.2	193.7	209.8	1.6	7.8	0.6	368.3	402.2	353.1	15.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00770	814406.62	8197140.67	172.13	1.0	2.0	80.0	5866.8	3.2	19.7	1030.9	86.4	928.7	111.6	321.4	204.6	332.6	360.2	2.9	15.4	1.1	461.5	516.7	436.8	24.7
SMDH 00770	814406.62	8197140.67	172.13	2.0	3.0	80.0	6475.5	3.6	19.6	1556.2	64.6	802.1	101.1	291.3	185.4	301.5	326.4	3.3	14.7	1.3	482.4	522.9	463.7	18.7
SMDH 00770	814406.62	8197140.67	172.13	3.0	4.0	80.0	7362.8	4.5	16.7	2734.8	35.5	438.5	78.0	224.7	143.0	232.5	251.8	4.1	11.1	1.1	288.5	310.3	278.1	10.3
SMDH 00770	814406.62	8197140.67	172.13	4.0	5.0	80.0	6633.7	4.0	17.8	1987.9	35.3	504.1	84.3	242.9	154.6	251.4	272.2	3.6	12.7	1.2	269.4	291.2	259.1	10.4
SMDH 00770	814406.62	8197140.67	172.13	5.0	6.0	80.0	7014.9	4.3	20.1	1899.8	35.1	473.3	86.4	249.0	158.5	257.7	279.0	4.0	14.6	1.1	265.6	287.4	255.4	10.2
SMDH 00770	814406.62	8197140.67	172.13	6.0	7.0	80.0	6999.7	4.4	16.4	2415.9	37.8	502.2	73.6	211.8	134.8	219.2	237.4	4.1	10.9	1.0	227.5	251.1	216.7	10.8
SMDH 00770	814406.62	8197140.67	172.13	7.0	8.0	80.0	6985.0	4.2	16.2	2548.1	38.2	449.6	75.4	217.2	138.3	224.8	243.4	3.8	10.9	1.1	289.8	313.6	278.6	11.1
SMDH 00770	814406.62	8197140.67	172.13	8.0	9.0	80.0	8188.0	5.2	16.5	3360.3	34.5	350.7	72.5	208.8	132.9	216.1	234.0	4.8	10.3	0.9	244.1	265.4	234.1	10.1
SMDH 00770	814406.62	8197140.67	172.13	9.0	10.0	80.0	5452.7	3.1	19.2	933.1	45.1	499.6	71.5	205.9	131.1	213.1	230.8	2.8	15.0	1.1	278.7	306.9	265.3	13.5
SMDH 00769	814129.09	8197156.57	171.36	0.0	1.0	50.0	5585.0	2.9	15.8	1568.0	60.7	822.3	94.5	272.2	173.3	281.7	305.0	2.5	11.7	1.2	707.3	744.0	689.4	17.9
SMDH 00769	814129.09	8197156.57	171.36	1.0	2.0	80.0	7685.3	4.6	14.8	3280.3	47.2	601.3	72.2	207.8	132.3	215.1	232.9	4.1	9.2	1.0	526.1	555.0	513.0	13.1
SMDH 00769	814129.09	8197156.57	171.36	2.0	3.0	80.0	9461.8	6.2	14.7	4536.3	31.7	465.2	58.4	168.3	107.2	174.2	188.7	5.7	7.7	0.8	414.9	433.2	405.3	9.6
SMDH 00769	814129.09	8197156.57	171.36	3.0	4.0	80.0	5439.7	3.4	14.2	1615.3	22.4	472.1	78.7	226.6	144.3	234.5	254.0	3.1	9.7	1.1	245.4	258.8	239.0	6.5
SMDH 00769	814129.09	8197156.57	171.36	4.0	4.5	80.0	5893.3	3.5	15.4	1813.2	29.5	523.0	86.2	248.3	158.0	256.9	278.2	3.1	10.8	1.2	454.6	471.7	445.7	9.0
SMDH 00768	813848.78	8197148.68	172.04	0.0	1.0	50.0	4377.0	2.1	12.2	1121.4	67.9	1181.1	77.0	221.7	141.1	229.4	248.4	1.8	9.2	0.8	589.6	632.2	569.8	19.8
SMDH 00768	813848.78	8197148.68	172.04	1.0	2.0	80.0	5401.2	2.7	15.6	1325.5	75.4	1274.3	87.3	251.3	160.0	260.1	281.7	2.3	11.7	1.2	664.7	710.7	641.7	23.0
SMDH 00768	813848.78	8197148.68	172.04	2.0	3.0	80.0	4793.5	2.6	14.6	1148.5	66.4	512.5	79.5	229.1	145.8	237.1	256.7	2.3	10.8	1.2	489.0	530.2	469.2	19.8
SMDH 00768	813848.78	8197148.68	172.04	3.0	4.0	80.0	4238.1	2.3	13.3	893.5	49.3	557.8	75.8	218.3	138.9	225.9	244.6	2.1	9.8	1.2	350.3	380.8	335.9	14.4
SMDH 00768	813848.78	8197148.68	172.04	4.0	5.0	80.0	5333.5	2.9	16.4	1233.1	65.1	606.6	92.0	265.0	168.7	274.2	297.0	2.6	12.3	1.2	531.7	571.8	512.4	19.3
SMDH 00768	813848.78	8197148.68	172.04	5.0	6.0	80.0	5780.6	3.3	18.1	1261.2	67.4	663.9	96.8	278.9	177.6	288.7	312.6	2.9	13.5	1.3	465.4	508.5	446.3	19.1
SMDH 00768	813848.78	8197148.68	172.04	6.0	7.0	80.0	5355.3	3.0	16.8	1169.7	76.2	526.1	84.9	244.6	155.7	253.1	274.1	2.7	12.6	1.3	419.3	468.5	397.7	21.6
SMDH 00768	813848.78	8197148.68	172.04	7.0	8.0	80.0	5895.3	3.3	18.0	1335.5	98.8	753.4	92.3	265.9	169.2	275.1	297.9	2.9	13.4	1.3	507.5	571.4	479.7	27.8
SMDH 00768	813848.78	8197148.68	172.04	8.0	9.0	80.0	5982.6	3.4	16.0	1788.6	58.3	561.0	77.9	224.3	142.7	232.1	251.3	3.1	11.4	1.2	436.0	473.2	419.7	16.3
SMDH 00768	813848.78	8197148.68	172.04	9.0	10.0	80.0	5768.6	3.3	17.0	1441.1	82.3	582.2	89.5	257.7	164.0	266.7	288.8	3.0	12.5	1.2	492.0	545.4	469.3	22.7
SMDH 00768	813848.78	8197148.68	172.04	10.0	10.8	80.0	5900.1	3.3	16.9	1588.8	75.5	607.5	91.7	264.2	168.2	273.4	296.1	2.9	12.4	1.3	574.2	623.4	553.9	20.3
SMDH 00768	813848.78	8197148.68	172.04	10.8	11.0	80.0	5900.1	3.3	16.9	1588.8	75.5	607.5	91.7	264.2	168.2	273.4	296.1	2.9	12.4	1.3	574.2	623.4	553.9	20.3
SMDH 00784	813999.91	8197409.10	174.91	0.0	1.0	50.0	4242.7	2.3	11.8	1170.2	41.8	547.5	55.5	159.7	101.7	165.3	179.0	2.1	8.3	1.1	329.5	355.5	317.6	11.9
SMDH 00784	813999.91	8197409.10	174.91	1.0	2.0	80.0	4224.0	2.2	10.7	1387.4	51.7	506.9	58.0	166.9	106.3	172.7	187.1	1.9	7.4	1.2	477.0	508.9	462.3	14.8
SMDH 00784	813999.91	8197409.10	174.91	2.0	3.0	80.0	4458.5	2.7	13.6	959.8	17.6	475.8	81.7	235.4	149.9	243.6	263.8	2.4	9.7	1.3	116.2	126.8	111.4	4.8
SMDH 00784	813999.91	8197409.10	174.91	3.0	4.0	80.0	5935.6	3.4	17.8	1468.6	63.6	525.0	90.3	260.0	165.5	269.0	291.3	3.1	13.1	1.3	502.4	542.8	484.4	18.0
SMDH 00784	813999.91	8197409.10	174.91	4.0	5.0	80.0	5482.0	3.2	17.2	1180.9	66.2	572.4	82.7	238.2	151.6	246.5	266.9	2.9	12.8	1.2	414.7	457.2	395.7	19.0
SMDH 00784	813999.91	8197409.10	174.91	5.0	6.0	80.0	5113.9	2.9	16.5	1042.4	57.6	475.7	75.3	216.9	138.0	224.4	243.0	2.7	12.4	1.2	363.5	400.2	346.4	17.1
SMDH 00784	813999.91	8197409.10	174.91	6.0	7.0	80.0	4957.7	2.8	15.8	1100.8	51.9	460.9	72.1	207.5	132.1	214.8	232.6	2.5	11.8	1.2	435.3	467.6	419.0	16.3
SMDH 00784	813999.91	8197409.10	174.91	7.0	8.0	80.0	4885.8	2.8	15.2	1101.5	62.3	474.5	68.6	197.7	125.8	204.6	221.5	2.5	11.2	1.2	413.1	452.5	393.9	19.2
SMDH 00784	813999.91	8197409.10	174.91	8.0	9.0	80.0	6002.8	3.4	18.8	1314.6	49.0	689.4	102.5	295.2	187.9	305.5	330.8	3.0	13.8	1.6	467.5	497.5	452.7	14.8
SMDH 00784	813999.91	8197409.10	174.91	9.0	9.5	80.0	5530.7	3.1	17.0	1299.4	51.2	555.2	85.5	246.1	156.7	254.7	275.8	2.8	12.6	1.2	417.2	449.4	402.4	14.8
SMDH 00784	813999.91	8197409.10	174.91	9.5	10.0	80.0	5530.7	3.1	17.0	1299.4	51.2	555.2	85.5	246.1	156.7	254.7	275.8	2.8	12.6	1.2	417.2	449.4	402.4	14.8
SMDH 00785	814280.96	8197400.18	176.30	0.0	1.0	80.0	4861.5	2.5	18.5	526.2	39.8	885.6	88.8	255.6	162.7	264.6	286.5	2.3	14.6	1.4	284.3	308.6	272.3	12.1
SMDH 00785	814280.96	8197400.18	176.30	1.0	2.0	80.0	4941.0	3.1	18.3	584.3	27.6	214.4	73.0	210.3	133.9	217.6	235.7	3.0	13.8	1.4	102.1	119.4	94.2	7.9
SMDH 00785	814280.96	8197400.18	176.30	2.0	3.0	80.0	6895.6	4.6	19.7	1668.7	27.0	558.9	61.2	176.1	112.1	182.3	197.4	4.3	13.9	1.3	75.4	92.7	67.9	7.4
SMDH 00785	814280.96	8197400.18	176.30	3.0	4.0	80.0	9104.0	6.3	20.9	3137.7	17.3	408.5	44.7	128.7	81.9	133.2	144.3	5.9	13.5	1.1	60.5	71.2	55.5	5.1
SMDH 00785	814280.96	8197400.18	176.30	4.0	5.0	80.0	8191.3	5.8	23.2	2095.2	20.6	112.8	71.4	205.8	131.0	212.9	230.6	5.5	16.2	1.2	58.4	70.7	52.2	6.2
SMDH 00786	814550.00	8197414.29	174.34	0.0	1.0	80.0	5301.5	2.4	14.1	1540.0	80.0	1645.2	82.5	237.7	151.3	246.0	266.4	1.9	11.0	0.8	886.5	936.7	863.7	22.7
SMDH 00786	814550.00	8197414.29	174.34	1.0	2.0	80.0	9982.1	6.7	29.7	2181.0	74.2	949.4	204.3	588.4	374.6	609.0	659.4	6.1	22.0	1.0	561.1	608.5	540.4	20.7
SMDH 00786	814550.00	8197414.29	174.34	2.0	3.0	80.0	10996.2	8.5	31.6	2265.3	57.7	305.0	261.0	751.8	478.6	778.0	842.5	7.9	22.0	1.1	123.3	160.9	107.0	16.3
SMDH 00786	814550.00	8197414.29	174.34	3.0	4.0	80.0	11040.2	8.6	31.7	2256.6	55.9	306.4	274.2	789.7	502.7	817.3	885.0	8.0	22.0	1.1	103.3	139.1	87.0	16.2
SMDH 00787	814837.00	8197417.59	180.37	0.0	1.0	80.0	5131.3	2.9	16.7	963.6	61.2	893.7	88.0	253.5	161.4	262.4	284.1	2.6	12.9	0.8	450.6	489.8	433.7	16.9
SMDH 00787	814837.00	8197417.59	180.37	1.0	2.0	80.0	5538.4	3.1	19.1	958.8	66.0	545.1	94.6	272.4	173.4	281.9	305.2	2.8	14.7	1.3	363.8	406.0	344.9	18.8
SMDH 00787	814837.00	8197417.59	180.37	2.0	3.0	80.0	5499.4	3.2	17.3	1181.7	61.9	496.4	86.1	247.9	157.8	256.6	277.8	2.9	12.9	1.2	315.3	354.4	297.7	17.6
SMDH 00787	814837.00	8197417.59	180.37	3.0	4.0	80.0	4528.1	2.6	14.3	971.4	46.5	476.8	72.4	208.5	132.7	215.8	233.7	2.3	10.5	1.2	263.9	292.7	250.2	13.8
SMDH 00787	814837.00	8197417.59	180.37	4.0	5.0	80.0	4779.1	2.7	15.0	985.2	48.4	612.2	81.6	234.9	149.5	243.1	263.2	2.5	11.1	1.2	268.6	298.2	254.1	14.5
SMDH 00787	814837.00	8197417.59	180.37	5.0	6.0	80.0	5160.7	2.9	16.1	1151.7	67.8	506.0	85.1	245.1	156.0	253.7	274.7	2.6	12.0	1.2	359.7	402.8	340.5	19.3
SMDH 00787	814837.00	8197417.59	180.37	6.0	7.0	80.0	5547.8	3.3	17.5	1131.6	74.2	641.3	84.8	244.3	155.5	252.8	273.8	3.0	13.1	1.2	278.5	325.9	257.1	21.4
SMDH 00787	814837.00	8197417.59	180.37	7.0	8.0	80.0	5629.3	3.2	17.5	1239.8	66.5	591.4	88.4	254.5	162.0	263.4	285.2	2.9	13.1	1.2	350.4	392.4	331.1	19.3
SMDH 00787	814837.00	8197417.59	180.37	8.0	8.9	80.0	6317.9	3.8	20.2	1299.0	63.2	599.1	98.6	284.0	180.8	293.9	318.3	3.5	15.2	1.2	316.4	356.7	298.3	18.1
SMDH 00787	814837.00	8197417.59	180.37	8.9	9.0	80.0	6317.9	3.8	20.2	1299.0	63.2	599.1	98.6	284.0	180.8	293.9	318.3	3.5	15.2	1.2	316.4	356.7	298.3	18.1
SMDH 00788	815133.86	8197406.31	178.01	0.0	1.0	80.0	5249.2	2.7	15.8	1088.0	72.4	1535.4	106.2	305.8	194.7	316.5	342.7	2.3	12.3	0.8	530.4	576.4	510.1	20.3
SMDH 00788	815133.86	8197406.31	178.01	1.0	2.0	80.0	8098.8	4.2	25.5	1513.3	116.3	2233.8	162.2	467.2	297.4	483.5	523.6	3.7	20.1	1.2	876.7	950.7	843.7	33.0
SMDH 00788	815133.86	8197406.31	178.01	2.0	3.0	80.0	7773.2	4.9	28.2	647.0	108.1	1467.9	190.6	549.0	349.5	568.2	615.2	4.5	22.0	1.3	252.8	321.7	221.2	31.6
SMDH 00788	815133.86	8197406.31	178.01	3.0	4.0	80.0	6505.6	3.8	21.9	1028.0	98.5	1025.5	149.5	430.5	274.0	445.5	482.4	3.4	16.9	1.2	492.8	555.1	464.3	28.5
SMDH 00788	815133.86	8197406.31	178.01	4.0	5.0	50.0	9966.6	6.8	30.0	1949.6	106.7	1107.0	192.2	553.5	352.4	572.9	620.3	6.3	22.0	1.1	341.1	408.7	309.7	31.4
SMDH 00788	815133.86	8197406.31	178.01	5.0	6.0	80.0	6902.7	4.2	18.9	1877.5	98.1	734.1	100.4	289.1	184.0	299.2	324.0	3.8	13.5	1.2	528.1	589.8	499.4	28.7
SMDH 00788	815133.86	8197406.31	178.01	6.0	7.0	80.0	10861.9	8.1	31.2	1799.3	224.5	1726.1	242.0	697.1	443.7	721.4	781.2	7.4	22.0	1.1	395.2	540.6	330.4	64.8
SMDH 00789	815395.81	8197413.46	176.22	0.0	1.0	50.0	3225.5	1.8	12.2	345.3	32.2	485.6	53.7	154.6	98.4	160.0	173.3	1.7	9.7	0.6	196.4	216.8	187.1	9.3
SMDH 00789	815395.81	8197413.46	176.22	1.0	2.0	80.0	2670.5	1.5	9.9	309.7	24.4	466.9	36.9	106.4	67.7	110.1	119.2	1.4	7.9	0.5	176.0	191.7	169.4	6.5
SMDH 00789	815395.81	8197413.46	176.22	2.0	3.0	80.0	3570.1	1.7	11.7	593.3	48.7	1108.1	73.3	211.0	134.3	218.4	236.5	1.5	9.2	0.7	337.5	367.7	322.9	14.6
SMDH 00789	815395.81	8197413.46	176.22	3.0	4.0	80.0	3329.6	1.9	11.7	471.3	31.7	571.8	61.2	176.1	112.1	182.3	197.4	1.7	9.1	0.7	224.9	244.7	215.8	9.1
SMDH 00789	815395.81	8197413.46	176.22	4.0	5.0	80.0	5130.7	2.9	16.7	993.2	60.3	592.1	93.9	270.4	172.1	279.9	303.1	2.6	12.5	1.2	416.6	454.5	399.2	17.3
SMDH 00789	815395.81	8197413.46	176.22	5.0	5.9	80.0	5655.1	3.2	17.9	1104.6	63.1	906.3	102.8	296.1	188.5	306.4	331.8	2.9	13.4	1.2	413.0	452.9	394.6	18.3
SMDH 00789	815395.81	8197413.46	176.22	5.9	6.0	80.0	5655.1	3.2	17.9	1104.6	63.1	906.3	102.8	296.1	188.5	306.4	331.8	2.9	13.4	1.2	413.0	452.9	394.6	18.3
SMDH 00790	815956.07	8197429.55	176.38	0.0	1.0	80.0	2539.0	1.4	9.0	381.5	26.0	463.1	35.4	101.8	64.8	105.4	114.1	1.3	7.2	0.3	220.9	237.1	213.1	7.8
SMDH 00790	815956.07	8197429.55	176.38	1.0	2.0	80.0	3620.4	2.2	13.9	372.7	28.1	399.8	33.7	96.9	61.7	100.3	108.6	2.1	11.2	0.6	195.7	213.0	186.9	8.7
SMDH 00790	815956.07	8197429.55	176.38	2.0	3.0	80.0	3843.9	2.1	13.3	602.7	43.3	686.8	72.1	207.7	132.2	215.0	232.8	1.9	10.4	0.8	311.7	338.8	299.0	12.7
SMDH 00790	815956.07	8197429.55	176.38	3.0	4.0	80.0	7138.6	4.7	13.7	2926.8	26.7	462.9	55.6	160.2	102.0	165.8	179.5	4.3	8.2	0.8	276.6	292.5	268.6	7.9
SMDH 00790	815956.07	8197429.55	176.38	4.0	5.0	80.0	7228.7	5.2	13.5	2843.5	23.9	402.2	54.3	156.3	99.5	161.7	175.1	4.8	7.4	0.8	165.3	179.6	158.5	6.9
SMDH 00790	815956.07	8197429.55	176.38	5.0	6.0	80.0	7309.9	5.3	13.9	2877.9	18.9	352.3	52.3	150.6	95.9	155.9	168.8	4.9	7.8	0.8	149.3	160.5	144.2	5.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00790	815956.07	8197429.55	176.38	6.0	7.0	80.0	3566.7	2.1	10.8	753.0	31.7	519.7	54.4	156.6	99.7	162.1	175.5	2.0	7.9	0.8	171.6	191.2	162.2	9.4
SMDH 00790	815956.07	8197429.55	176.38	7.0	8.0	80.0	4747.0	2.9	13.3	1237.0	33.1	449.7	65.4	188.5	120.0	195.1	211.2	2.7	9.5	1.0	203.5	223.8	193.7	9.8
SMDH 00790	815956.07	8197429.55	176.38	8.0	9.0	80.0	4189.3	2.4	14.3	665.3	30.6	636.0	74.5	214.6	136.6	222.1	240.5	2.1	10.8	1.1	234.0	252.6	225.1	8.9
SMDH 00790	815956.07	8197429.55	176.38	9.0	10.0	80.0	4206.9	2.3	14.8	630.4	42.8	574.2	76.4	219.9	140.0	227.6	246.5	2.1	11.3	1.2	281.5	308.2	268.7	12.8
SMDH 00790	815956.07	8197429.55	176.38	10.0	10.2	20.0	4739.9	2.5	17.1	678.9	44.9	615.7	91.2	262.8	167.3	272.0	294.5	2.3	13.2	1.4	352.8	380.7	339.7	13.1
SMDH 00790	815956.07	8197429.55	176.38	10.2	11.0	20.0	4739.9	2.5	17.1	678.9	44.9	615.7	91.2	262.8	167.3	272.0	294.5	2.3	13.2	1.4	352.8	380.7	339.7	13.1
SMDH 00791	816240.20	8197415.72	180.45	0.0	1.0	70.0	4358.9	2.2	16.3	517.4	39.5	955.8	70.4	202.8	129.1	209.9	227.3	2.0	13.3	0.9	292.5	317.3	281.1	11.4
SMDH 00791	816240.20	8197415.72	180.45	1.0	2.0	80.0	5085.0	2.7	14.7	1297.4	101.9	748.8	79.8	229.9	146.4	238.0	257.7	2.4	11.0	1.1	442.6	510.6	415.5	27.1
SMDH 00791	816240.20	8197415.72	180.45	2.0	3.0	80.0	4985.8	2.9	17.0	810.3	66.0	563.2	90.0	259.3	165.1	268.4	290.6	2.6	12.9	1.2	321.7	364.9	304.1	17.6
SMDH 00791	816240.20	8197415.72	180.45	3.0	4.0	80.0	10616.6	7.4	22.1	4015.4	69.7	311.8	105.7	304.4	193.8	315.0	341.1	6.9	13.9	0.7	159.9	207.2	142.4	17.5
SMDH 00791	816240.20	8197415.72	180.45	4.0	5.0	80.0	9408.5	6.7	29.6	1818.7	51.3	326.2	185.1	533.1	339.4	551.8	597.5	6.2	22.0	1.0	128.1	160.7	113.2	14.9
SMDH 00791	816240.20	8197415.72	180.45	5.0	6.0	80.0	6059.6	4.0	15.8	1755.3	40.6	433.6	77.7	223.8	142.5	231.7	250.9	3.6	10.9	1.0	240.0	265.0	228.2	11.8
SMDH 00791	816240.20	8197415.72	180.45	6.0	7.0	80.0	5457.2	3.4	16.7	1180.2	46.7	548.2	78.0	224.8	143.1	232.6	251.9	3.1	12.2	1.1	280.4	309.0	266.6	13.8
SMDH 00791	816240.20	8197415.72	180.45	7.0	8.0	80.0	6734.3	4.5	22.6	1208.7	32.6	164.5	67.4	194.2	123.6	200.9	217.6	4.3	16.9	1.2	147.2	167.5	137.9	9.3
SMDH 00791	816240.20	8197415.72	180.45	8.0	9.0	80.0	6235.0	3.9	15.3	1996.8	40.7	572.4	75.6	217.8	138.6	225.4	244.0	3.5	10.3	1.1	346.5	370.8	334.3	12.2
SMDH 00791	816240.20	8197415.72	180.45	9.0	10.0	80.0	5510.9	3.2	17.2	1191.6	49.1	612.4	92.3	265.7	169.2	275.0	297.8	2.9	12.8	1.2	421.7	451.4	407.3	14.4
SMDH 00791	816240.20	8197415.72	180.45	10.0	11.0	80.0	5354.7	3.1	15.5	1360.5	45.5	562.1	82.6	237.9	151.4	246.2	266.6	2.8	11.3	1.2	394.4	422.2	381.2	13.2
SMDH 00791	816240.20	8197415.72	180.45	11.0	12.0	80.0	5805.5	3.4	17.3	1388.4	40.6	743.4	93.3	268.8	171.1	278.1	301.2	3.1	12.8	1.1	422.1	446.6	410.5	11.6
SMDH 00791	816240.20	8197415.72	180.45	12.0	13.0	80.0	4421.9	2.5	14.3	852.0	31.1	632.7	75.5	217.3	138.3	224.9	243.6	2.3	10.6	1.2	313.6	332.3	304.6	9.0
SMDH 00791	816240.20	8197415.72	180.45	13.0	14.0	80.0	4763.0	2.7	15.2	988.8	33.5	579.7	82.1	236.4	150.5	244.7	265.0	2.4	11.4	1.2	389.1	408.2	378.3	10.8
SMDH 00791	816240.20	8197415.72	180.45	14.0	15.0	80.0	4070.5	2.3	12.2	972.5	34.3	492.5	63.6	183.2	116.6	189.6	205.3	2.0	8.8	1.1	344.4	364.8	334.3	10.1
SMDH 00791	816240.20	8197415.72	180.45	15.0	16.0	80.0	4048.0	2.4	9.6	1378.5	26.2	291.3	41.3	118.8	75.6	123.0	133.1	2.2	5.9	1.3	193.1	210.1	186.5	6.7
SMDH 00792	816516.65	8197403.38	181.93	0.0	1.0	20.0	2656.1	1.4	10.6	268.1	15.8	471.7	24.4	70.2	44.7	72.7	78.7	1.3	9.0	0.2	149.7	159.5	145.2	4.5
SMDH 00792	816516.65	8197403.38	181.93	1.0	2.0	80.0	2933.9	1.4	10.7	365.8	26.3	695.2	68.4	197.1	125.4	203.9	220.8	1.2	8.5	0.8	208.8	225.2	201.5	7.3
SMDH 00792	816516.65	8197403.38	181.93	2.0	3.0	80.0	3351.3	1.8	11.6	560.7	44.7	484.7	54.8	157.8	100.4	163.3	176.8	1.6	9.1	0.8	324.9	351.7	310.1	14.8
SMDH 00792	816516.65	8197403.38	181.93	3.0	4.0	80.0	3132.9	1.7	10.5	607.3	39.4	377.9	37.2	107.1	68.2	110.8	120.0	1.6	8.2	0.6	305.3	331.4	295.2	10.1
SMDH 00792	816516.65	8197403.38	181.93	4.0	5.0	80.0	4506.4	2.7	14.8	820.4	52.1	493.3	63.5	182.8	116.4	189.2	204.9	2.5	11.2	1.0	336.4	369.0	321.0	15.4
SMDH 00792	816516.65	8197403.38	181.93	5.0	6.0	80.0	6160.3	3.7	18.2	1444.9	77.4	641.1	94.5	272.2	173.3	281.7	305.0	3.4	13.2	1.2	517.7	567.0	495.4	22.2
SMDH 00792	816516.65	8197403.38	181.93	6.0	7.0	80.0	6775.2	4.8	14.9	2253.1	58.8	454.9	65.5	188.6	120.1	195.2	211.4	4.5	9.1	1.0	296.0	334.8	280.7	15.3
SMDH 00792	816516.65	8197403.38	181.93	7.0	8.0	80.0	6586.3	3.9	19.6	1503.0	86.9	825.9	104.3	300.3	191.2	310.8	336.6	3.5	14.5	1.3	559.6	614.6	534.5	25.0
SMDH 00792	816516.65	8197403.38	181.93	8.0	9.0	80.0	6927.8	4.6	17.4	1970.2	70.9	778.7	85.8	247.2	157.4	255.9	277.1	4.2	11.8	1.1	389.2	434.1	368.9	20.3
SMDH 00792	816516.65	8197403.38	181.93	9.0	10.0	80.0	5318.2	3.1	15.5	1303.4	58.0	551.8	77.3	222.6	141.7	230.4	249.5	2.9	11.2	1.2	429.3	465.8	412.6	16.7
SMDH 00792	816516.65	8197403.38	181.93	10.0	10.9	80.0	5110.2	2.9	15.9	1046.9	64.4	823.5	83.0	239.1	152.2	247.5	268.0	2.6	11.8	1.3	443.2	483.8	424.7	18.5
SMDH 00792	816516.65	8197403.38	181.93	10.9	11.0	80.0	5110.2	2.9	15.9	1046.9	64.4	823.5	83.0	239.1	152.2	247.5	268.0	2.6	11.8	1.3	443.2	483.8	424.7	18.5
SMDH 00793	816787.63	8197420.96	180.85	0.0	1.0	80.0	5802.5	3.0	22.3	728.4	51.6	1034.9	63.7	183.6	116.9	190.0	205.7	2.7	18.6	0.8	384.1	416.7	369.6	14.5
SMDH 00793	816787.63	8197420.96	180.85	1.0	2.0	80.0	4544.5	2.5	14.3	987.3	47.7	612.3	68.0	195.9	124.7	202.8	219.6	2.2	10.6	1.2	351.0	381.5	337.9	13.0
SMDH 00793	816787.63	8197420.96	180.85	2.0	3.0	50.0	5513.0	3.4	15.3	1430.5	48.5	506.5	70.3	202.4	128.8	209.4	226.8	3.2	10.7	1.2	320.8	351.6	307.2	13.5
SMDH 00793	816787.63	8197420.96	180.85	3.0	3.3	80.0	6828.6	4.5	14.7	2499.2	45.4	416.5	57.1	164.6	104.7	170.3	184.4	4.2	9.2	0.9	344.5	372.6	331.3	13.2
SMDH 00793	816787.63	8197420.96	180.85	3.3	4.0	80.0	6828.6	4.5	14.7	2499.2	45.4	416.5	57.1	164.6	104.7	170.3	184.4	4.2	9.2	0.9	344.5	372.6	331.3	13.2
SMDH 00778	816924.95	8197131.91	177.44	0.0	1.0	20.0	4817.4	2.7	14.9	1063.4	43.3	809.0	69.9	201.4	128.2	208.5	225.7	2.4	11.4	0.7	329.2	356.7	317.0	12.2
SMDH 00778	816924.95	8197131.91	177.44	1.0	2.0	80.0	7805.2	5.0	25.4	1492.0	50.3	567.5	125.1	360.3	229.4	372.9	403.8	4.7	19.4	1.0	203.3	236.2	189.7	13.6
SMDH 00778	816924.95	8197131.91	177.44	2.0	3.0	80.0	6760.7	4.5	22.6	1101.8	31.1	457.2	109.9	316.6	201.6	327.7	354.9	4.2	16.9	1.2	87.8	107.7	78.9	8.8
SMDH 00778	816924.95	8197131.91	177.44	3.0	4.0	80.0	8754.6	6.2	23.0	2553.6	24.8	167.5	95.7	275.5	175.4	285.1	308.7	5.8	15.9	0.9	59.0	74.6	51.8	7.2
SMDH 00778	816924.95	8197131.91	177.44	4.0	5.0	80.0	8451.4	5.5	18.9	3030.4	70.1	520.9	83.5	240.6	153.2	249.0	269.7	5.0	12.5	1.0	340.8	386.2	321.1	19.7
SMDH 00777	816656.27	8197148.52	180.10	0.0	1.0	20.0	2831.6	1.3	8.4	605.3	33.8	1116.4	56.6	163.0	103.7	168.6	182.6	1.0	6.7	0.4	351.0	372.2	341.4	9.6
SMDH 00777	816656.27	8197148.52	180.10	1.0	2.0	80.0	3678.0	1.7	11.1	821.0	48.6	1139.2	68.0	195.8	124.6	202.6	219.4	1.4	8.7	0.7	479.1	509.0	465.1	14.0
SMDH 00777	816656.27	8197148.52	180.10	2.0	3.0	80.0	4165.8	2.2	13.2	883.6	72.3	584.6	56.1	161.7	102.9	167.4	181.2	2.0	9.9	1.1	492.3	537.5	470.1	22.3
SMDH 00777	816656.27	8197148.52	180.10	3.0	4.0	80.0	4759.6	2.7	15.9	839.3	73.7	475.3	75.6	217.7	138.6	225.3	244.0	2.5	11.8	1.4	396.4	443.5	375.0	21.4
SMDH 00777	816656.27	8197148.52	180.10	4.0	5.0	80.0	4359.5	2.6	14.9	691.4	57.8	397.0	75.1	216.3	137.7	223.9	242.4	2.4	11.0	1.3	309.5	346.0	292.3	17.3
SMDH 00777	816656.27	8197148.52	180.10	5.0	6.0	80.0	5105.4	3.2	15.1	1158.0	58.1	421.2	73.3	211.2	134.4	218.6	236.7	3.0	10.7	1.2	328.2	365.2	311.7	16.5
SMDH 00777	816656.27	8197148.52	180.10	6.0	7.0	80.0	5932.0	3.8	15.3	1700.2	59.3	477.2	74.8	215.6	137.2	223.1	241.6	3.5	10.4	1.1	390.2	427.9	373.5	16.7
SMDH 00777	816656.27	8197148.52	180.10	7.0	8.0	80.0	4928.4	2.9	15.7	985.3	60.2	535.3	84.9	244.4	155.6	252.9	273.9	2.6	11.5	1.3	415.7	453.4	398.4	17.3
SMDH 00777	816656.27	8197148.52	180.10	8.0	8.9	80.0	4395.3	2.5	14.9	740.4	53.9	488.1	79.1	227.8	145.0	235.8	255.3	2.3	11.1	1.3	378.6	411.9	362.4	16.2
SMDH 00777	816656.27	8197148.52	180.10	8.9	9.0	80.0	4395.3	2.5	14.9	740.4	53.9	488.1	79.1	227.8	145.0	235.8	255.3	2.3	11.1	1.3	378.6	411.9	362.4	16.2
SMDH 00776	816378.26	8197160.03	179.15	0.0	1.0	30.0	5013.2	2.8	18.7	559.1	32.0	1177.3	54.3	156.5	99.6	161.9	175.3	2.6	15.4	0.4	337.1	356.2	327.3	9.8
SMDH 00776	816378.26	8197160.03	179.15	1.0	2.0	80.0	4969.3	2.8	15.4	1072.3	51.8	732.3	86.2	248.4	158.1	257.0	278.3	2.5	11.5	1.1	357.8	390.4	342.6	15.1
SMDH 00776	816378.26	8197160.03	179.15	2.0	3.0	80.0	5439.4	3.1	17.7	1045.0	53.5	610.7	100.1	288.3	183.5	298.4	323.1	2.8	13.3	1.3	412.3	445.4	396.4	15.8
SMDH 00776	816378.26	8197160.03	179.15	3.0	4.0	80.0	5119.6	2.9	16.4	1044.5	49.1	587.1	89.5	257.9	164.2	266.9	289.0	2.6	12.3	1.2	386.2	416.8	371.8	14.4
SMDH 00776	816378.26	8197160.03	179.15	4.0	5.0	80.0	4611.1	2.7	14.3	970.8	33.8	582.9	74.1	213.4	135.9	220.9	239.2	2.5	10.3	1.2	213.1	234.0	203.2	9.9
SMDH 00776	816378.26	8197160.03	179.15	5.0	6.0	80.0	6013.3	3.8	16.0	1665.2	42.1	688.7	75.7	218.0	138.8	225.6	244.3	3.5	11.1	1.1	272.4	298.2	260.3	12.1
SMDH 00776	816378.26	8197160.03	179.15	6.0	7.0	80.0	5654.3	3.6	12.8	1968.8	29.0	437.9	59.6	171.6	109.2	177.6	192.3	3.3	8.1	1.1	289.8	307.1	281.7	8.2
SMDH 00776	816378.26	8197160.03	179.15	7.0	8.0	80.0	5018.3	2.9	13.4	1448.0	45.4	544.6	63.2	182.1	115.9	188.5	204.1	2.7	9.3	1.2	315.5	343.4	302.2	13.3
SMDH 00776	816378.26	8197160.03	179.15	8.0	9.0	80.0	5121.1	2.8	15.5	1214.4	57.7	631.1	84.0	242.0	154.1	250.5	271.3	2.5	11.5	1.2	430.8	465.8	413.2	17.6
SMDH 00776	816378.26	8197160.03	179.15	9.0	10.0	80.0	4281.9	2.3	13.6	924.8	46.9	480.3	72.4	208.4	132.7	215.7	233.6	2.1	10.1	1.2	379.7	408.6	366.1	13.7
SMDH 00776	816378.26	8197160.03	179.15	10.0	10.5	80.0	4820.6	2.6	15.9	931.0	49.3	652.6	83.4	240.3	152.9	248.7	269.3	2.4	12.1	1.2	399.6	429.6	385.0	14.7
SMDH 00761	816226.77	8196861.44	175.05	0.0	1.0	20.0	5275.7	2.8	19.5	669.3	63.9	925.2	99.6	287.0	182.7	297.0	321.6	2.5	15.8	1.0	390.5	431.7	373.1	17.4
SMDH 00761	816226.77	8196861.44	175.05	1.0	2.0	80.0	6582.0	4.0	15.9	2075.0	68.2	933.8	94.5	272.1	173.2	281.6	304.9	3.6	11.0	1.0	383.2	427.6	365.1	18.1
SMDH 00761	816226.77	8196861.44	175.05	2.0	3.0	80.0	3106.2	1.7	10.0	599.1	30.9	576.0	44.9	129.2	82.2	133.7	144.8	1.5	7.5	0.8	247.4	265.5	237.4	10.0
SMDH 00761	816226.77	8196861.44	175.05	3.0	3.9	80.0	3290.9	1.8	11.7	538.9	31.5	385.1	40.9	117.8	75.0	121.9	132.0	1.6	9.0	0.9	241.7	261.2	232.5	9.2
SMDH 00761	816226.77	8196861.44	175.05	3.9	4.0	80.0	3290.9	1.8	11.7	538.9	31.5	385.1	40.9	117.8	75.0	121.9	132.0	1.6	9.0	0.9	241.7	261.2	232.5	9.2
SMDH 00762	816520.13	8196851.77	177.01	0.0	1.0	20.0	4629.8	2.2	16.2	736.0	55.5	1163.8	75.6	217.7	138.6	225.3	244.0	1.9	13.0	0.9	459.6	494.9	444.0	15.6
SMDH 00762	816520.13	8196851.77	177.01	1.0	2.0	80.0	2963.2	1.5	9.4	539.7	43.1	684.4	53.9	155.3	98.9	160.8	174.1	1.3	6.9	1.0	259.0	286.1	246.5	12.6
SMDH 00762	816520.13	8196851.77	177.01	2.0	3.0	80.0	4482.6	2.7	15.1	682.1	52.9	629.1	81.2	233.8	148.8	241.9	262.0	2.4	11.3	1.2	310.1	343.4	295.0	15.1
SMDH 00762	816520.13	8196851.77	177.01	3.0	4.0	80.0	5029.8	3.1	14.8	1155.0	39.7	527.8	65.4	188.4	119.9	195.0	211.2	2.9	10.6	1.1	298.9	323.1	287.4	11.6
SMDH 00762	816520.13	8196851.77	177.01	4.0	5.0	80.0	5579.9	3.6	14.2	1649.3	42.4	523.2	68.4	196.9	125.4	203.8	220.7	3.3	9.6	1.0	358.1	383.4	345.6	12.5
SMDH 00762	816520.13	8196851.77	177.01	5.0	6.0	80.0	6290.7	4.1	15.0	2033.6	41.1	583.2	73.9	212.7	135.4	220.2	238.4	3.7	9.9	1.0	402.6	427.0	390.7	11.9

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00762	816520.13	8196851.77	177.01	6.0	7.0	80.0	5845.8	3.6	15.6	1665.9	49.3	583.7	74.1	213.3	135.8	220.8	239.1	3.3	10.9	1.0	418.6	448.2	404.1	14.5
SMDH 00762	816520.13	8196851.77	177.01	7.0	8.0	80.0	5725.5	3.6	13.7	1864.1	32.8	539.5	68.5	197.3	125.6	204.2	221.1	3.3	9.2	0.9	390.6	409.7	380.8	9.9
SMDH 00762	816520.13	8196851.77	177.01	8.0	9.0	80.0	5177.1	2.9	16.3	1087.9	52.3	724.3	84.6	243.6	155.1	252.1	273.0	2.6	12.2	1.1	420.2	451.9	404.9	15.4
SMDH 00762	816520.13	8196851.77	177.01	9.0	10.0	80.0	5571.2	3.1	17.2	1234.2	45.5	838.9	92.2	265.6	169.0	274.8	297.6	2.8	13.0	1.1	501.9	528.5	487.8	14.0
SMDH 00762	816520.13	8196851.77	177.01	10.0	11.0	80.0	4913.5	2.8	14.8	1131.3	43.7	622.5	74.2	213.6	136.0	221.1	239.4	2.6	10.7	1.2	347.2	373.0	333.8	13.4
SMDH 00762	816520.13	8196851.77	177.01	11.0	11.5	80.0	4173.7	2.3	12.5	965.2	27.8	565.1	66.8	192.3	122.4	199.0	215.5	2.1	8.8	1.3	262.3	278.8	254.2	8.2
SMDH 00763	816794.25	8196855.85	175.43	0.0	1.0	30.0	3809.4	2.0	13.2	541.0	44.2	1012.2	67.0	192.9	122.8	199.7	216.2	1.7	10.5	0.7	294.2	322.2	281.7	12.5
SMDH 00763	816794.25	8196855.85	175.43	1.0	2.0	80.0	4824.9	2.6	18.7	572.9	33.7	705.1	60.2	173.4	110.4	179.5	194.3	2.4	15.4	0.7	323.6	344.1	313.4	10.2
SMDH 00763	816794.25	8196855.85	175.43	2.0	3.0	80.0	5469.4	3.2	18.9	971.2	33.4	512.4	77.8	224.0	142.6	231.8	251.1	2.9	14.6	1.1	281.8	302.0	272.0	9.8
SMDH 00763	816794.25	8196855.85	175.43	3.0	4.0	80.0	6077.9	3.7	18.1	1368.4	55.3	684.8	93.8	270.3	172.1	279.7	302.9	3.4	13.1	1.3	300.4	335.0	284.3	16.1
SMDH 00763	816794.25	8196855.85	175.43	4.0	5.0	80.0	9153.4	6.0	20.5	3289.6	54.2	425.6	140.6	404.9	257.8	419.1	453.8	5.5	13.4	1.1	252.1	285.7	235.7	16.4
SMDH 00763	816794.25	8196855.85	175.43	5.0	6.0	80.0	9045.3	6.0	24.4	2515.4	46.7	464.3	205.5	592.0	376.8	612.6	663.4	5.4	17.3	1.1	201.7	230.8	187.7	14.0
SMDH 00763	816794.25	8196855.85	175.43	6.0	7.0	80.0	7328.9	4.6	19.1	2150.4	55.7	647.3	136.9	394.3	251.0	408.1	441.9	4.1	13.4	1.1	298.9	333.8	282.8	16.0
SMDH 00763	816794.25	8196855.85	175.43	7.0	8.0	80.0	5094.0	2.9	16.1	1037.7	55.5	625.7	90.0	259.3	165.1	268.4	290.6	2.6	11.9	1.2	345.3	378.9	328.1	17.2
SMDH 00763	816794.25	8196855.85	175.43	8.0	9.0	80.0	6017.2	3.6	17.1	1583.8	47.7	527.0	82.2	236.7	150.7	245.0	265.3	3.3	12.3	1.2	274.2	304.1	260.3	14.0
SMDH 00763	816794.25	8196855.85	175.43	9.0	10.0	80.0	4084.2	2.3	13.6	693.9	24.2	703.9	79.1	227.7	144.9	235.6	255.2	2.0	10.2	1.1	264.8	279.2	257.3	7.5
SMDH 00747	816921.36	8196586.68	178.32	0.0	1.0	70.0	7042.8	4.3	27.4	601.2	40.8	1002.1	74.4	214.2	136.4	221.7	240.1	4.0	22.0	1.1	353.2	377.7	341.0	12.2
SMDH 00747	816921.36	8196586.68	178.32	1.0	2.0	80.0	5031.6	2.6	18.2	739.5	52.7	660.4	90.4	260.3	165.7	269.4	291.7	2.4	14.0	1.6	323.0	356.8	308.3	14.7
SMDH 00747	816921.36	8196586.68	178.32	2.0	3.0	80.0	6615.0	4.4	15.5	2166.5	38.2	448.0	73.2	210.8	134.2	218.1	236.2	4.1	9.9	1.2	244.6	268.5	233.9	10.8
SMDH 00747	816921.36	8196586.68	178.32	3.0	4.0	80.0	10227.4	7.6	16.8	4387.2	40.8	512.5	58.0	166.9	106.3	172.7	187.1	7.0	8.5	0.7	162.4	187.4	150.3	12.0
SMDH 00747	816921.36	8196586.68	178.32	4.0	5.0	80.0	6255.4	4.2	16.8	1682.7	37.3	478.9	78.2	225.1	143.3	233.0	252.3	3.9	11.5	1.1	195.6	218.5	184.9	10.7
SMDH 00747	816921.36	8196586.68	178.32	5.0	6.0	80.0	4258.9	2.6	14.0	726.0	43.1	462.9	72.9	209.9	133.6	217.2	235.2	2.4	10.3	1.2	185.0	211.3	171.7	13.3
SMDH 00747	816921.36	8196586.68	178.32	6.0	7.0	80.0	5140.0	3.3	13.6	1409.9	37.0	467.5	65.3	188.2	119.8	194.8	210.9	3.1	9.2	1.0	192.9	215.9	182.3	10.6
SMDH 00747	816921.36	8196586.68	178.32	7.0	8.0	80.0	5011.5	3.2	14.1	1256.9	21.6	552.1	78.3	225.4	143.5	233.2	252.6	2.9	9.8	1.1	134.8	147.7	128.4	6.3
SMDH 00747	816921.36	8196586.68	178.32	8.0	9.0	80.0	5724.2	3.5	15.5	1523.5	29.1	711.3	93.0	267.9	170.5	277.2	300.2	3.2	10.7	1.3	165.9	183.8	157.6	8.2
SMDH 00730	816526.93	8196294.38	171.77	0.0	1.0	30.0	3959.7	1.8	12.0	841.7	57.4	1335.4	70.3	202.4	128.8	209.4	226.8	1.5	9.5	0.6	490.9	527.1	474.8	16.2
SMDH 00730	816526.93	8196294.38	171.77	1.0	2.0	80.0	4826.3	2.3	17.0	734.2	53.3	1281.7	79.9	230.1	146.5	238.1	257.9	2.0	13.9	0.8	447.1	480.7	432.2	15.0
SMDH 00730	816526.93	8196294.38	171.77	2.0	3.0	80.0	4864.8	2.5	16.2	955.5	54.4	931.3	60.6	174.5	111.1	180.6	195.5	2.2	12.8	0.9	535.8	568.5	519.1	16.7
SMDH 00730	816526.93	8196294.38	171.77	3.0	4.0	80.0	4658.4	2.7	15.0	912.7	49.7	488.3	70.5	203.2	129.3	210.2	227.7	2.5	11.2	1.1	312.8	343.8	298.1	14.7
SMDH 00730	816526.93	8196294.38	171.77	4.0	5.0	80.0	4890.2	3.2	14.9	937.9	39.4	646.7	76.0	218.9	139.4	226.6	245.4	2.9	10.6	1.1	251.2	275.2	239.4	11.8
SMDH 00730	816526.93	8196294.38	171.77	5.0	6.0	80.0	4384.8	2.6	13.8	835.1	23.3	633.1	79.2	228.0	145.2	236.0	255.6	2.4	10.0	1.2	221.9	235.6	215.0	6.9
SMDH 00730	816526.93	8196294.38	171.77	6.0	6.5	80.0	4674.9	2.6	14.2	1066.3	39.1	606.1	78.1	224.8	143.1	232.7	252.0	2.4	10.4	1.2	364.4	388.1	353.1	11.2
SMDH 00730	816526.93	8196294.38	171.77	6.5	7.0	80.0	4674.9	2.6	14.2	1066.3	39.1	606.1	78.1	224.8	143.1	232.7	252.0	2.4	10.4	1.2	364.4	388.1	353.1	11.2
SMDH 00729	816236.77	8196308.60	175.27	0.0	1.0	10.0	3996.7	2.2	14.1	598.4	32.9	693.4	61.1	175.9	112.0	182.0	197.1	2.0	11.0	0.8	307.1	327.5	297.7	9.4
SMDH 00729	816236.77	8196308.60	175.27	1.0	2.0	50.0	5176.6	2.7	18.0	927.6	60.4	666.4	77.6	223.5	142.3	231.3	250.5	2.5	14.3	1.0	408.2	447.5	391.4	16.8
SMDH 00729	816236.77	8196308.60	175.27	2.0	3.0	80.0	6071.5	3.8	17.4	1518.5	61.5	496.1	70.7	203.6	129.6	210.7	228.1	3.5	12.4	1.2	221.1	261.0	204.0	17.1
SMDH 00729	816236.77	8196308.60	175.27	3.0	4.0	80.0	4940.1	3.1	17.0	719.2	44.5	536.9	64.9	186.9	119.0	193.4	209.5	2.9	12.6	1.2	143.2	172.4	131.1	12.1
SMDH 00729	816236.77	8196308.60	175.27	4.0	5.0	80.0	5055.2	3.0	18.9	554.6	44.7	423.6	104.4	300.7	191.4	311.2	337.0	2.8	14.5	1.4	212.5	240.8	199.5	13.0
SMDH 00729	816236.77	8196308.60	175.27	5.0	6.0	80.0	4682.8	2.6	17.4	572.5	51.1	452.9	90.0	259.2	165.0	268.3	290.5	2.4	13.5	1.3	279.5	312.9	265.8	13.8
SMDH 00729	816236.77	8196308.60	175.27	6.0	7.0	80.0	3761.6	2.1	14.1	431.7	35.6	512.4	62.3	179.5	114.3	185.8	201.2	1.9	10.9	1.1	222.0	244.4	211.6	10.3
SMDH 00729	816236.77	8196308.60	175.27	7.0	8.0	80.0	4704.2	2.8	16.4	693.1	27.8	432.6	95.8	275.9	175.6	285.5	309.1	2.6	12.3	1.3	188.3	205.6	180.5	7.8
SMDH 00729	816236.77	8196308.60	175.27	8.0	8.2	80.0	3214.2	1.9	8.9	859.9	10.4	182.9	40.0	115.2	73.3	119.2	129.1	1.7	5.7	1.4	53.5	59.4	50.5	2.9
SMDH 00713	816358.00	8196012.03	172.85	0.0	1.0	20.0	4130.9	2.2	15.3	507.3	30.0	1038.0	54.4	156.6	99.7	162.0	175.5	2.0	12.8	0.3	295.9	314.0	286.8	9.1
SMDH 00713	816358.00	8196012.03	172.85	1.0	2.0	80.0	6821.0	4.3	20.2	1559.6	57.5	793.5	87.5	252.2	160.5	261.0	282.6	4.0	14.9	0.9	255.6	293.1	240.0	15.6
SMDH 00713	816358.00	8196012.03	172.85	2.0	3.0	80.0	8880.8	6.4	25.6	2187.7	34.9	107.3	96.8	278.9	177.5	288.6	312.5	6.0	18.1	1.1	73.7	96.3	64.7	8.9
SMDH 00713	816358.00	8196012.03	172.85	3.0	4.0	80.0	7068.8	4.8	25.5	921.1	20.0	103.4	120.9	348.3	221.7	360.4	390.3	4.6	19.4	1.3	47.0	58.8	40.8	6.3
SMDH 00713	816358.00	8196012.03	172.85	4.0	5.0	80.0	10293.4	8.3	31.4	1773.8	49.1	127.6	183.4	528.1	336.2	546.6	591.9	7.9	22.0	1.0	68.8	100.4	54.7	14.1
SMDH 00713	816358.00	8196012.03	172.85	5.0	6.0	80.0	8955.7	6.6	25.6	2177.3	33.8	76.2	80.9	232.9	148.2	241.0	261.0	6.3	18.0	1.0	61.1	82.4	51.4	9.7
SMDH 00713	816358.00	8196012.03	172.85	6.0	7.0	80.0	9000.8	6.5	27.2	2022.3	29.0	80.3	85.0	244.7	155.8	253.2	274.2	6.2	19.6	1.1	67.9	86.1	59.8	8.0
SMDH 00713	816358.00	8196012.03	172.85	7.0	8.0	80.0	7951.0	5.5	24.5	1772.2	26.2	80.0	82.8	238.6	151.9	246.9	267.3	5.2	17.7	1.2	58.2	74.4	50.8	7.3
SMDH 00713	816358.00	8196012.03	172.85	8.0	9.0	80.0	9632.0	7.0	30.0	1988.2	29.3	92.0	96.4	277.6	176.7	287.3	311.1	6.7	22.0	1.0	43.9	62.2	35.4	8.5
SMDH 00713	816358.00	8196012.03	172.85	9.0	10.0	80.0	10470.4	7.9	30.9	2308.1	46.8	121.1	134.1	386.3	245.9	399.8	432.9	7.4	22.0	1.0	66.3	96.9	53.2	13.0
SMDH 00713	816358.00	8196012.03	172.85	10.0	11.0	80.0	8356.0	6.0	29.1	1219.4	29.2	104.5	105.8	304.6	193.9	315.2	341.3	5.7	22.0	1.2	55.4	73.3	46.5	8.9
SMDH 00713	816358.00	8196012.03	172.85	11.0	12.0	80.0	5186.1	3.4	15.1	1274.1	29.8	87.4	62.9	181.2	115.3	187.5	203.0	3.2	10.3	1.3	71.9	90.4	63.3	8.6
SMDH 00713	816358.00	8196012.03	172.85	12.0	13.0	80.0	7707.4	5.4	28.7	860.4	26.2	90.9	101.9	293.5	186.8	303.8	329.0	5.2	22.0	1.2	64.0	80.0	56.1	7.9
SMDH 00697	816237.77	8195753.87	171.73	0.0	1.0	20.0	6620.6	4.2	26.6	541.5	31.6	685.7	50.0	143.9	91.6	149.0	161.3	4.0	22.0	0.4	284.3	303.4	274.7	9.6
SMDH 00697	816237.77	8195753.87	171.73	1.0	2.0	80.0	4524.9	2.4	16.8	602.6	41.1	726.9	64.7	186.2	118.6	192.7	208.7	2.2	13.6	0.8	340.2	365.6	328.3	11.9
SMDH 00697	816237.77	8195753.87	171.73	2.0	3.0	80.0	4960.9	3.0	17.4	730.7	70.6	465.7	75.9	218.5	139.1	226.1	244.8	2.7	13.3	1.1	316.5	362.3	296.5	20.0
SMDH 00697	816237.77	8195753.87	171.73	3.0	4.0	80.0	5623.9	3.5	16.2	1334.2	76.4	521.4	78.7	226.8	144.4	234.7	254.2	3.2	11.5	1.2	384.6	434.2	363.7	20.9
SMDH 00697	816237.77	8195753.87	171.73	4.0	5.0	80.0	7170.1	4.9	16.9	2254.9	74.4	487.6	76.3	219.6	139.8	227.3	246.1	4.5	10.9	1.1	327.4	375.1	306.8	20.6
SMDH 00697	816237.77	8195753.87	171.73	5.0	6.0	80.0	6357.6	4.2	16.9	1712.2	83.2	411.3	80.7	232.4	147.9	240.5	260.4	3.9	11.5	1.2	292.1	345.6	268.7	23.4
SMDH 00697	816237.77	8195753.87	171.73	6.0	7.0	80.0	6563.7	4.1	17.0	1918.0	78.0	561.1	93.0	267.9	170.6	277.3	300.3	3.8	11.7	1.2	383.0	433.1	361.1	21.9
SMDH 00697	816237.77	8195753.87	171.73	7.0	8.0	80.0	6557.0	4.1	18.8	1651.0	76.0	487.9	87.8	252.9	161.0	261.8	283.4	3.8	13.5	1.3	317.6	365.9	295.6	22.0
SMDH 00697	816237.77	8195753.87	171.73	8.0	9.0	80.0	5561.2	3.3	18.2	1042.6	53.5	577.1	97.7	281.5	179.2	291.3	315.4	3.0	13.5	1.4	312.1	346.2	297.3	14.9
SMDH 00697	816237.77	8195753.87	171.73	9.0	10.0	80.0	5273.3	3.0	17.0	1051.1	49.3	544.5	95.1	273.9	174.4	283.5	307.0	2.7	12.6	1.5	349.2	379.7	334.7	14.5
SMDH 00697	816237.77	8195753.87	171.73	10.0	11.0	80.0	8424.3	5.1	28.5	1141.8	82.3	1464.7	265.3	764.1	486.4	790.8	856.4	4.5	22.0	1.4	512.1	563.6	488.0	24.1
SMDH 00697	816237.77	8195753.87	171.73	11.0	11.8	80.0	5548.7	3.1	18.1	1045.8	72.1	697.3	99.0	285.0	181.4	295.0	319.4	2.8	13.6	1.4	455.2	500.3	434.1	21.1
SMDH 00697	816237.77	8195753.87	171.73	11.8	12.0	80.0	5548.7	3.1	18.1	1045.8	72.1	697.3	99.0	285.0	181.4	295.0	319.4	2.8	13.6	1.4	455.2	500.3	434.1	21.1
SMDH 00698	816519.15	8195739.91	169.59	0.0	1.0	20.0	4900.5	2.4	14.4	1238.7	62.6	1130.8	64.7	186.4	118.6	192.9	208.9	2.1	11.1	0.9	654.4	692.3	636.0	18.4
SMDH 00698	816519.15	8195739.91	169.59	1.0	2.0	80.0	5656.6	2.9	17.2	1407.8	69.1	776.8	89.8	258.7	164.6	267.7	289.9	2.5	13.0	1.3	743.2	785.4	723.3	19.9
SMDH 00698	816519.15	8195739.91	169.59	2.0	3.0	80.0	5262.3	2.9	16.5	1128.4	59.3	716.2	90.1	259.5	165.2	268.6	290.9	2.6	12.3	1.3	472.6	509.6	455.6	17.0
SMDH 00698	816519.15	8195739.91	169.59	3.0	4.0	80.0	6214.2	3.5	17.1	1690.2	55.3	1008.1	82.9	238.9	152.0	247.2	267.7	3.1	12.3	1.3	498.4	532.8	482.6	15.9
SMDH 00698	816519.15	8195739.91	169.59	4.0	5.0	80.0	5582.1	3.0	15.2	1597.5	64.0	784.9	74.3	214.0	136.2	221.5	239.9	2.7	11.0	1.3	570.2	609.6	551.7	18.4
SMDH 00698	816519.15	8195739.91	169.59	5.0	6.0	80.0	5281.6	2.9	15.2	1403.9	51.6	568.6	78.8	227.0	144.5	235.0	254.4	2.6	11.1	1.3	485.3	517.0	470.4	15.0
SMDH 00698	816519.15	8195739.91	169.59	6.0	7.0	80.0	6013.0	3.3	18.4	1456.6	77.3	656.6	84.0	241.8	153.9	250.3	271.0	2.9	13.8	1.4	622.9	671.1	600.7	22.2
SMDH 00698	816519.15	8195739.91	169.59	7.0	8.0	80.0	5950.3	3.3	18.3	1386.4	78.4	627.8	95.1	273.8	174.3	283.4	306.9	3.0	13.7	1.3	566.4	614.5	542.9	23.5

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00698	816519.15	8195739.91	169.59	8.0	9.0	80.0	6268.0	3.5	19.9	1283.5	79.2	875.3	105.1	302.8	192.8	313.4	339.3	3.2	14.9	1.4	536.3	585.8	513.3	22.9
SMDH 00698	816519.15	8195739.91	169.59	9.0	10.0	80.0	6392.4	3.7	20.5	1248.8	81.4	807.6	101.0	290.8	185.1	301.0	325.9	3.4	15.4	1.4	495.2	546.0	471.2	24.0
SMDH 00698	816519.15	8195739.91	169.59	10.0	10.9	80.0	5401.5	3.0	16.8	1249.7	47.4	537.1	87.3	251.4	160.0	260.2	281.7	2.7	12.4	1.5	467.1	496.0	453.4	13.7
SMDH 00698	816519.15	8195739.91	169.59	10.9	11.0	80.0	5401.5	3.0	16.8	1249.7	47.4	537.1	87.3	251.4	160.0	260.2	281.7	2.7	12.4	1.5	467.1	496.0	453.4	13.7
SMDH 00681	816345.32	8195463.91	169.33	0.0	1.0	50.0	6762.3	3.8	22.7	1307.1	52.1	965.6	98.1	282.4	179.8	292.3	316.5	3.4	18.0	0.9	405.9	438.6	391.0	14.9
SMDH 00681	816345.32	8195463.91	169.33	1.0	2.0	80.0	9375.3	6.5	19.7	3499.1	39.4	466.7	87.3	251.6	160.1	260.3	281.9	6.0	12.4	0.8	237.8	263.1	227.3	10.5
SMDH 00681	816345.32	8195463.91	169.33	2.0	3.0	80.0	11686.7	8.5	27.4	3892.2	30.5	164.4	121.2	349.0	222.2	361.2	391.1	7.9	18.1	0.8	60.0	79.5	51.5	8.5
SMDH 00681	816345.32	8195463.91	169.33	3.0	4.0	80.0	11580.9	8.6	31.5	3045.0	36.5	157.8	147.0	423.3	269.5	438.1	474.4	8.1	22.0	0.9	62.5	85.7	51.8	10.7
SMDH 00681	816345.32	8195463.91	169.33	4.0	5.0	80.0	6851.2	4.9	16.2	2223.1	35.2	64.1	67.7	194.9	124.0	201.7	218.4	4.6	10.2	1.2	75.5	98.3	65.9	9.6
SMDH 00681	816345.32	8195463.91	169.33	5.0	6.0	80.0	4265.2	2.6	9.8	1501.2	46.9	48.5	36.2	104.1	66.3	107.8	116.7	2.4	5.6	1.6	82.7	113.1	69.4	13.3
SMDH 00681	816345.32	8195463.91	169.33	6.0	7.0	80.0	5003.8	3.2	12.3	1631.9	39.4	42.7	49.9	143.6	91.4	148.6	161.0	3.0	7.6	1.5	81.3	106.7	70.1	11.3
SMDH 00681	816345.32	8195463.91	169.33	7.0	8.0	80.0	7425.0	5.3	20.6	1936.5	33.0	90.5	95.2	274.1	174.5	283.6	307.2	4.9	14.2	1.1	62.6	84.1	53.7	8.9
SMDH 00731	816783.87	8196272.59	173.44	0.0	1.0	50.0	4672.3	2.2	16.4	687.2	50.8	1181.1	90.2	259.9	165.4	269.0	291.3	1.9	12.9	1.3	411.1	443.0	396.6	14.5
SMDH 00731	816783.87	8196272.59	173.44	1.0	2.0	80.0	4621.2	2.4	16.6	639.6	58.2	693.7	91.5	263.4	167.7	272.6	295.2	2.2	12.8	1.3	316.7	354.3	300.5	16.3
SMDH 00731	816783.87	8196272.59	173.44	2.0	3.0	80.0	5089.5	3.1	14.0	1386.5	46.7	485.1	72.7	209.5	133.3	216.8	234.8	2.8	9.8	1.1	272.1	302.3	259.5	12.6
SMDH 00731	816783.87	8196272.59	173.44	3.0	4.0	80.0	6385.4	4.3	14.3	2218.0	43.2	400.3	63.7	183.5	116.8	189.9	205.6	3.9	8.9	1.1	259.3	286.7	247.4	11.8
SMDH 00731	816783.87	8196272.59	173.44	4.0	5.0	80.0	5713.2	3.7	14.6	1699.2	62.3	365.1	65.8	189.6	120.7	196.2	212.5	3.4	9.7	1.2	368.1	406.8	350.4	17.8
SMDH 00731	816783.87	8196272.59	173.44	5.0	6.0	80.0	5345.5	3.3	16.0	1189.4	64.1	555.1	78.1	225.0	143.2	232.8	252.1	3.0	11.4	1.2	331.2	371.7	313.1	18.1
SMDH 00731	816783.87	8196272.59	173.44	6.0	7.0	80.0	4880.5	3.0	13.0	1369.8	51.0	418.8	62.3	179.4	114.2	185.7	201.0	2.7	8.9	1.2	348.5	380.9	334.3	14.2
SMDH 00731	816783.87	8196272.59	173.44	7.0	8.0	80.0	4464.1	2.6	13.7	976.4	50.4	464.5	70.3	202.4	128.8	209.4	226.8	2.4	10.0	1.2	329.8	362.0	316.1	13.6
SMDH 00731	816783.87	8196272.59	173.44	8.0	9.0	80.0	4531.8	2.6	14.2	967.6	57.0	440.7	76.3	219.7	139.9	227.4	246.2	2.4	10.4	1.2	361.0	398.0	345.3	15.6
SMDH 00731	816783.87	8196272.59	173.44	9.0	9.4	50.0	4607.7	2.6	14.8	909.8	82.2	489.1	76.3	219.8	139.9	227.5	246.3	2.4	11.0	1.2	362.0	415.3	339.2	22.8
SMDH 00731	816783.87	8196272.59	173.44	9.4	10.0	50.0	4607.7	2.6	14.8	909.8	82.2	489.1	76.3	219.8	139.9	227.5	246.3	2.4	11.0	1.2	362.0	415.3	339.2	22.8
SMDH 00715	816929.82	8196020.61	171.71	0.0	1.0	20.0	3451.7	1.7	11.4	507.7	35.5	1273.4	63.5	183.0	116.5	189.4	205.1	1.5	9.3	0.4	283.9	305.9	273.6	10.3
SMDH 00715	816929.82	8196020.61	171.71	1.0	2.0	80.0	4390.0	2.1	13.4	818.9	63.2	1637.8	96.1	276.7	176.1	286.3	310.1	1.7	10.5	0.8	494.1	533.5	475.5	18.6
SMDH 00715	816929.82	8196020.61	171.71	2.0	3.0	80.0	5340.6	3.0	16.2	1240.2	50.5	767.5	77.5	223.1	142.0	230.9	250.1	2.7	12.1	1.1	402.1	434.2	388.3	13.8
SMDH 00715	816929.82	8196020.61	171.71	3.0	4.0	80.0	5717.5	3.5	20.9	615.4	77.1	595.6	111.2	320.2	203.8	331.4	358.8	3.3	15.9	1.4	245.3	297.1	224.8	20.5
SMDH 00715	816929.82	8196020.61	171.71	4.0	5.0	80.0	6373.3	3.8	19.4	1429.9	100.7	549.7	102.3	294.7	187.6	304.9	330.2	3.5	14.3	1.3	511.2	576.5	483.3	27.9
SMDH 00715	816929.82	8196020.61	171.71	5.0	6.0	80.0	5525.4	3.2	16.1	1411.1	56.8	456.9	96.4	277.6	176.7	287.3	311.1	2.9	11.7	1.3	476.2	512.0	460.5	15.7
SMDH 00715	816929.82	8196020.61	171.71	6.0	7.0	80.0	5900.7	3.6	16.9	1464.9	70.8	571.5	90.0	259.3	165.1	268.4	290.6	3.3	12.1	1.2	379.5	423.2	358.6	20.9
SMDH 00715	816929.82	8196020.61	171.71	7.0	8.0	80.0	7004.6	4.5	17.2	2244.9	64.8	433.7	75.3	216.7	138.0	224.3	242.9	4.1	11.5	1.2	361.7	403.1	343.8	18.0
SMDH 00715	816929.82	8196020.61	171.71	8.0	9.0	80.0	5852.0	3.4	17.1	1439.2	77.7	595.1	90.2	259.7	165.3	268.7	291.0	3.1	12.4	1.3	442.7	490.2	419.3	23.4
SMDH 00715	816929.82	8196020.61	171.71	9.0	10.0	80.0	6179.2	3.6	19.0	1407.6	110.1	556.8	103.6	298.3	189.9	308.7	334.2	3.2	14.4	1.1	598.0	666.3	565.7	32.3
SMDH 00715	816929.82	8196020.61	171.71	10.0	11.0	80.0	6454.0	3.7	19.3	1499.6	97.9	735.2	105.5	304.0	193.5	314.6	340.7	3.4	14.3	1.3	540.6	601.9	512.4	28.2
SMDH 00715	816929.82	8196020.61	171.71	11.0	11.8	80.0	5483.5	3.1	16.6	1291.7	59.0	516.2	96.9	279.2	177.7	288.9	312.9	2.8	12.2	1.3	428.4	465.4	411.7	16.6
SMDH 00715	816929.82	8196020.61	171.71	11.8	12.0	80.0	5483.5	3.1	16.6	1291.7	59.0	516.2	96.9	279.2	177.7	288.9	312.9	2.8	12.2	1.3	428.4	465.4	411.7	16.6
SMDH 00714	816653.87	8196022.66	170.06	0.0	1.0	20.0	4870.6	2.6	17.2	690.3	65.3	839.0	116.8	336.3	214.1	348.1	376.9	2.3	13.5	1.1	379.1	420.8	360.4	18.7
SMDH 00714	816653.87	8196022.66	170.06	1.0	2.0	80.0	3550.2	1.8	12.3	543.6	42.4	826.4	66.5	191.5	121.9	198.2	214.6	1.6	9.8	0.6	295.0	321.7	282.9	12.1
SMDH 00714	816653.87	8196022.66	170.06	2.0	3.0	80.0	3828.0	2.0	13.2	630.2	36.2	894.6	64.5	185.9	118.3	192.4	208.3	1.7	10.6	0.6	316.9	339.1	306.0	10.8
SMDH 00714	816653.87	8196022.66	170.06	3.0	4.0	80.0	4409.6	2.1	14.5	809.2	41.4	1212.0	72.1	207.6	132.2	214.9	232.7	1.8	11.4	0.9	435.3	460.0	422.4	12.9
SMDH 00714	816653.87	8196022.66	170.06	4.0	5.0	80.0	4315.5	2.3	14.4	833.0	37.5	554.3	74.6	214.9	136.8	222.4	240.8	2.0	10.9	1.3	339.7	363.0	329.1	10.6
SMDH 00714	816653.87	8196022.66	170.06	5.0	6.0	80.0	4386.7	2.4	14.7	805.4	44.5	495.7	76.8	221.1	140.7	228.8	247.7	2.2	11.1	1.2	297.0	324.6	283.8	13.2
SMDH 00714	816653.87	8196022.66	170.06	6.0	7.0	80.0	4414.5	2.4	14.5	871.0	51.8	464.7	76.4	220.2	140.2	227.9	246.7	2.2	10.8	1.2	310.8	343.4	295.9	14.9
SMDH 00714	816653.87	8196022.66	170.06	7.0	8.0	80.0	5276.3	2.9	16.8	1105.5	52.5	703.3	85.6	246.6	157.0	255.2	276.4	2.6	12.6	1.2	363.1	395.8	348.0	15.2
SMDH 00714	816653.87	8196022.66	170.06	8.0	8.9	80.0	6715.1	4.1	23.5	1064.2	51.5	466.2	108.4	312.1	198.7	323.0	349.8	3.8	18.2	1.2	282.3	314.7	267.2	15.1
SMDH 00714	816653.87	8196022.66	170.06	8.9	9.0	80.0	6715.1	4.1	23.5	1064.2	51.5	466.2	108.4	312.1	198.7	323.0	349.8	3.8	18.2	1.2	282.3	314.7	267.2	15.1
SMDH 00682	816646.49	8195447.54	169.23	0.0	1.0	50.0	4961.0	2.6	16.4	796.4	56.7	1228.0	106.5	306.7	195.2	317.4	343.7	2.3	12.6	1.1	382.2	417.2	365.1	17.1
SMDH 00682	816646.49	8195447.54	169.23	1.0	2.0	80.0	4830.8	2.5	16.2	663.7	59.1	1447.2	101.5	292.3	186.1	302.6	327.6	2.2	12.5	1.1	341.6	378.9	324.3	17.3
SMDH 00682	816646.49	8195447.54	169.23	2.0	3.0	80.0	3816.4	2.0	13.1	542.5	48.3	954.3	81.0	233.2	148.4	241.3	261.3	1.8	10.3	0.7	291.0	321.7	277.3	13.7
SMDH 00682	816646.49	8195447.54	169.23	3.0	4.0	80.0	4679.4	2.4	15.7	693.3	56.7	1409.1	97.6	281.1	178.9	290.9	315.0	2.0	12.3	1.1	379.1	414.8	362.8	16.3
SMDH 00682	816646.49	8195447.54	169.23	4.0	5.0	80.0	4863.2	2.5	17.1	663.7	59.3	1107.5	104.2	300.2	191.1	310.7	336.4	2.2	13.4	1.2	368.1	405.4	350.7	17.3
SMDH 00682	816646.49	8195447.54	169.23	5.0	6.0	80.0	4505.2	2.3	15.7	628.1	49.9	1086.7	96.6	278.3	177.1	288.0	311.9	2.0	12.3	1.1	343.5	375.0	329.1	14.4
SMDH 00682	816646.49	8195447.54	169.23	6.0	7.0	80.0	4813.1	2.7	16.0	882.6	48.1	541.8	81.6	235.1	149.6	243.3	263.4	2.5	12.1	1.2	308.4	338.5	294.4	13.9
SMDH 00682	816646.49	8195447.54	169.23	7.0	8.0	80.0	7518.4	4.8	16.3	2793.4	34.2	485.4	70.0	201.6	128.3	208.6	225.9	4.4	10.3	1.1	222.7	244.6	213.2	9.5
SMDH 00682	816646.49	8195447.54	169.23	8.0	9.0	80.0	6093.9	3.8	17.1	1593.5	50.6	554.5	80.3	231.2	147.2	239.3	259.1	3.5	12.1	1.2	297.3	328.5	282.0	15.3
SMDH 00682	816646.49	8195447.54	169.23	9.0	10.0	80.0	5002.7	3.2	12.7	1548.7	23.2	211.5	69.1	199.0	126.7	206.0	223.0	2.9	8.3	1.3	142.3	156.4	135.9	6.4
SMDH 00682	816646.49	8195447.54	169.23	10.0	11.0	80.0	4985.2	2.8	14.8	1231.2	47.9	484.7	80.8	232.8	148.2	240.9	260.9	2.6	10.7	1.3	394.0	423.5	380.0	14.0
SMDH 00682	816646.49	8195447.54	169.23	11.0	12.0	80.0	4440.3	2.4	14.7	806.1	52.9	564.1	72.8	209.6	133.4	216.9	234.9	2.2	11.0	1.3	339.4	372.1	323.8	15.5
SMDH 00682	816646.49	8195447.54	169.23	12.0	13.0	80.0	3959.6	2.1	12.7	822.2	44.8	440.3	73.9	212.7	135.4	220.2	238.4	1.9	9.3	1.3	363.2	389.6	349.3	13.8
SMDH 00682	816646.49	8195447.54	169.23	13.0	14.0	80.0	5632.7	3.1	18.5	1085.1	64.8	662.6	92.7	266.9	169.9	276.2	299.1	2.9	14.0	1.4	484.5	524.1	465.0	19.5
SMDH 00682	816646.49	8195447.54	169.23	14.0	15.0	80.0	7093.4	4.1	24.7	1044.9	72.8	1094.2	141.1	406.4	258.7	420.6	455.5	3.7	19.2	1.4	540.7	585.9	519.7	21.0
SMDH 00682	816646.49	8195447.54	169.23	15.0	15.8	80.0	4929.2	2.7	16.2	939.5	49.9	670.1	91.5	263.6	167.8	272.8	295.4	2.4	12.2	1.3	427.2	456.8	411.5	15.7
SMDH 00683	816945.38	8195439.69	170.02	0.0	1.0	20.0	6446.8	3.8	23.9	704.2	63.5	799.4	141.3	407.1	259.1	421.3	456.2	3.4	18.5	1.6	337.7	377.4	318.6	19.1
SMDH 00683	816945.38	8195439.69	170.02	1.0	2.0	80.0	5314.9	2.7	16.9	898.4	65.6	1677.9	113.7	327.6	208.5	339.0	367.1	2.3	13.0	1.1	497.2	538.5	478.0	19.3
SMDH 00683	816945.38	8195439.69	170.02	2.0	3.0	80.0	4772.8	2.4	16.2	857.8	56.0	935.9	97.1	279.8	178.1	289.5	313.5	2.1	12.9	0.9	487.0	521.6	470.2	16.9
SMDH 00683	816945.38	8195439.69	170.02	3.0	4.0	80.0	4964.5	2.9	16.4	924.9	53.9	514.1	78.0	224.7	143.0	232.5	251.8	2.6	12.4	1.2	338.0	372.2	322.7	15.3
SMDH 00683	816945.38	8195439.69	170.02	4.0	5.0	80.0	7716.8	5.0	14.2	3320.9	39.1	389.0	61.3	176.5	112.3	182.7	197.8	4.5	8.1	1.1	286.4	310.8	275.1	11.3
SMDH 00683	816945.38	8195439.69	170.02	5.0	6.0	80.0	6079.0	3.8	14.3	2024.7	29.8	523.1	78.4	225.9	143.8	233.8	253.2	3.5	9.2	1.2	230.1	248.5	221.8	8.4
SMDH 00683	816945.38	8195439.69	170.02	6.0	7.0	80.0	4764.9	3.0	11.6	1438.7	14.4	489.8	65.5	188.6	120.0	195.1	211.3	2.7	7.1	1.5	79.8	88.4	76.2	3.7
SMDH 00683	816945.38	8195439.69	170.02	7.0	8.0	80.0	6242.3	3.7	17.6	1646.4	65.1	684.1	94.9	273.2	173.9	282.7	306.2	3.3	12.6	1.3	452.2	493.6	433.9	18.3
SMDH 00683	816945.38	8195439.69	170.02	8.0	9.0	80.0	5512.5	3.2	15.8	1366.7	50.7	715.8	88.9	255.9	162.9	264.9	286.8	2.9	11.2	1.4	334.7	366.8	320.3	14.4
SMDH 00683	816945.38	8195439.69	170.02	9.0	9.4	20.0	4413.8	2.7	12.4	1079.4	8.3	471.4	75.5	217.3	138.3	224.9	243.6	2.5	8.3	1.4	51.1	56.0	49.0	2.1
SMDH 00667	816765.86	8195185.68	168.70	0.0	1.0	20.0	4747.0	2.5	15.2	745.9	60.3	1545.5	104.9	302.1	192.3	312.6	338.6	2.1	11.9	0.9	411.8	449.1	393.4	18.4
SMDH 00667	816765.86	8195185.68	168.70	1.0	2.0	80.0	7232.3	3.7	20.4	1576.8	92.8	2619.6	140.0	403.2	256.6	417.2	451.8	3.1	15.7	1.0	786.2	843.5	758.1	28.1
SMDH 00667	816765.86	8195185.68	168.70	2.0	3.0	80.0	10271.2	7.6	30.6	2118.9	47.0	468.2	181.2	521.9	332.2	540.1	584.9	7.1	22.0	1.0	165.7	195.2	151.8	13.9
SMDH 00667	816765.86	8195185.68	168.70	3.0	4.0	80.0	10682.3	7.8	30.9	2507.9	42.8	251.4	156.2	449.9	286.4	465.6	504.2	7.3	22.0	1.1	127.2	154.4	114.9	12.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00667	816765.86	8195185.68	168.70	4.0	5.0	80.0	10750.1	8.0	31.1	2318.6	46.4	567.4	171.5	494.0	314.5	511.3	553.6	7.5	22.0	1.0	148.1	177.5	134.9	13.3
SMDH 00667	816765.86	8195185.68	168.70	5.0	6.0	80.0	10295.0	7.8	30.9	1982.7	50.4	443.3	201.6	580.7	369.7	601.0	650.8	7.3	22.0	1.1	197.5	229.3	182.7	14.8
SMDH 00667	816765.86	8195185.68	168.70	6.0	7.0	80.0	10962.0	8.7	31.7	2205.8	49.1	262.2	207.5	597.6	380.4	618.4	669.7	8.2	22.0	1.0	139.8	170.8	125.0	14.8
SMDH 00667	816765.86	8195185.68	168.70	7.0	8.0	80.0	10296.5	8.0	31.1	1882.8	47.4	233.7	216.8	624.4	397.4	646.1	699.7	7.6	22.0	1.1	142.0	172.9	128.7	13.2
SMDH 00667	816765.86	8195185.68	168.70	8.0	9.0	80.0	10147.8	7.8	31.0	1669.2	62.1	718.2	231.7	667.3	424.7	690.6	747.8	7.3	22.0	1.1	299.6	338.7	280.8	18.8
SMDH 00667	816765.86	8195185.68	168.70	9.0	10.0	80.0	9759.5	7.3	30.5	1480.2	79.1	932.9	235.1	677.1	431.0	700.7	758.8	6.7	22.0	1.2	412.7	462.6	389.4	23.3
SMDH 00667	816765.86	8195185.68	168.70	10.0	11.0	80.0	9607.6	7.1	30.2	1675.7	62.2	499.6	171.1	492.7	313.6	509.9	552.1	6.6	22.0	1.1	254.0	293.4	235.8	18.3
SMDH 00667	816765.86	8195185.68	168.70	11.0	12.0	80.0	10405.5	8.1	31.2	1952.9	53.1	268.6	181.8	523.5	333.2	541.8	586.7	7.7	22.0	1.1	197.7	231.7	182.1	15.5
SMDH 00667	816765.86	8195185.68	168.70	12.0	13.0	80.0	11218.4	8.9	32.1	2183.1	62.5	441.6	287.3	827.4	526.7	856.3	927.3	8.3	22.0	1.2	310.9	350.9	292.8	18.1
SMDH 00667	816765.86	8195185.68	168.70	13.0	13.7	80.0	11461.2	9.8	32.9	1995.7	67.8	244.5	264.9	762.9	485.6	789.5	855.0	9.2	22.0	1.1	325.6	368.7	305.2	20.4
SMDH 00667	816765.86	8195185.68	168.70	13.7	14.0	80.0	11461.2	9.8	32.9	1995.7	67.8	244.5	264.9	762.9	485.6	789.5	855.0	9.2	22.0	1.1	325.6	368.7	305.2	20.4
SMDH 00665	816234.05	8195182.47	167.74	0.0	1.0	20.0	4761.6	2.4	15.2	819.8	55.1	1512.8	108.3	311.8	198.5	322.7	349.4	2.0	11.9	0.9	487.4	521.2	470.7	16.7
SMDH 00665	816234.05	8195182.47	167.74	1.0	2.0	80.0	3583.3	2.0	12.5	531.6	34.4	667.0	64.8	186.7	118.9	193.2	209.3	1.8	9.9	0.7	299.1	320.4	289.0	10.1
SMDH 00665	816234.05	8195182.47	167.74	2.0	3.0	80.0	4790.4	2.8	17.0	679.7	40.9	784.3	64.4	185.5	118.1	192.0	207.9	2.5	13.5	0.8	366.1	390.9	353.7	12.4
SMDH 00665	816234.05	8195182.47	167.74	3.0	4.0	80.0	8211.0	5.4	28.3	1288.3	41.3	468.1	145.4	418.8	266.6	433.5	469.4	5.1	21.8	1.1	177.6	203.5	165.3	12.3
SMDH 00665	816234.05	8195182.47	167.74	4.0	5.0	80.0	10332.8	8.0	31.2	1956.9	41.9	187.7	194.7	560.6	356.9	580.2	628.3	7.5	22.0	1.2	75.3	101.7	62.4	12.9
SMDH 00665	816234.05	8195182.47	167.74	5.0	6.0	80.0	8502.3	6.3	29.4	1125.1	38.6	186.6	167.0	481.0	306.2	497.7	539.0	5.9	22.0	1.1	80.2	104.7	68.3	11.9
SMDH 00665	816234.05	8195182.47	167.74	6.0	7.0	80.0	9920.7	7.7	30.7	1779.4	41.9	174.2	183.5	528.4	336.4	546.9	592.2	7.2	22.0	1.1	75.1	101.6	62.6	12.5
SMDH 00665	816234.05	8195182.47	167.74	7.0	8.0	80.0	9529.6	6.4	25.2	2834.6	34.9	303.5	119.5	344.1	219.1	356.1	385.7	5.9	17.8	1.0	213.9	235.8	204.0	9.8
SMDH 00665	816234.05	8195182.47	167.74	8.0	9.0	80.0	9318.1	6.1	25.9	2590.7	37.7	332.0	133.3	384.0	244.4	397.4	430.3	5.7	18.7	1.1	207.9	231.8	197.2	10.7
SMDH 00665	816234.05	8195182.47	167.74	9.0	10.0	80.0	8786.1	6.1	29.1	1580.0	26.4	152.4	161.5	465.2	296.1	481.4	521.3	5.7	22.0	1.0	52.0	68.3	44.1	7.9
SMDH 00665	816234.05	8195182.47	167.74	10.0	10.5	80.0	5742.6	3.4	15.6	1700.1	23.7	316.6	84.3	242.7	154.5	251.2	272.0	3.1	10.7	1.5	382.1	395.9	375.6	6.5
SMDH 00665	816234.05	8195182.47	167.74	10.5	11.0	80.0	5742.6	3.4	15.6	1700.1	23.7	316.6	84.3	242.7	154.5	251.2	272.0	3.1	10.7	1.5	382.1	395.9	375.6	6.5
SMDH 00666	816508.21	8195189.20	168.43	0.0	1.0	20.0	3948.5	2.0	14.1	546.3	46.0	795.3	87.4	251.6	160.2	260.4	282.0	1.8	11.2	0.8	316.6	345.4	303.0	13.6
SMDH 00666	816508.21	8195189.20	168.43	1.0	2.0	80.0	4265.3	2.3	14.4	680.6	49.1	879.0	93.4	269.1	171.3	278.4	301.5	2.0	11.2	1.0	332.3	363.3	318.1	14.2
SMDH 00666	816508.21	8195189.20	168.43	2.0	3.0	80.0	5106.6	2.7	16.3	1003.8	63.3	1008.3	95.3	274.5	174.7	284.1	307.6	2.4	12.6	1.0	449.0	488.4	430.6	18.4
SMDH 00666	816508.21	8195189.20	168.43	3.0	4.0	80.0	5304.1	3.1	17.9	873.6	53.9	722.2	102.9	296.3	188.6	306.6	332.1	2.8	13.6	1.2	352.4	386.0	336.5	15.9
SMDH 00666	816508.21	8195189.20	168.43	4.0	5.0	80.0	5274.8	2.7	14.8	1166.5	67.7	1830.5	101.0	290.9	185.2	301.1	326.0	2.3	11.1	1.0	558.2	600.7	539.1	19.1
SMDH 00666	816508.21	8195189.20	168.43	5.0	6.0	80.0	5471.8	2.9	14.4	1349.9	83.9	1853.6	95.3	274.4	174.7	284.0	307.5	2.4	10.6	0.9	570.1	623.9	546.8	23.2
SMDH 00666	816508.21	8195189.20	168.43	6.0	7.0	80.0	5873.7	2.9	14.4	1640.3	73.8	2246.2	100.2	288.6	183.7	298.6	323.4	2.4	10.6	0.9	818.3	862.6	795.8	22.5
SMDH 00666	816508.21	8195189.20	168.43	7.0	8.0	80.0	5217.4	3.0	14.2	1382.5	51.3	858.0	74.1	213.3	135.8	220.8	239.1	2.7	10.1	1.1	402.9	435.3	388.7	14.2
SMDH 00666	816508.21	8195189.20	168.43	8.0	9.0	80.0	4589.8	2.6	14.3	950.9	49.4	622.9	74.1	213.5	135.9	220.9	239.3	2.4	10.5	1.2	289.5	320.4	275.4	14.1
SMDH 00666	816508.21	8195189.20	168.43	9.0	10.0	80.0	5820.4	3.5	14.9	1812.4	50.4	509.1	70.1	201.8	128.5	208.8	226.1	3.2	10.2	1.1	307.7	338.9	292.7	15.0
SMDH 00666	816508.21	8195189.20	168.43	10.0	11.0	80.0	5268.5	2.9	16.4	1136.7	59.7	718.7	87.8	252.9	161.0	261.7	283.4	2.6	12.2	1.2	427.8	465.2	411.1	16.7
SMDH 00666	816508.21	8195189.20	168.43	11.0	12.0	80.0	5029.1	2.9	16.9	832.1	46.2	698.6	93.0	267.8	170.5	277.2	300.1	2.6	12.7	1.3	266.0	295.3	253.2	12.8
SMDH 00666	816508.21	8195189.20	168.43	12.0	13.0	80.0	4293.8	2.4	13.4	931.2	37.6	508.8	68.1	196.0	124.8	202.8	219.7	2.2	9.7	1.2	254.3	277.8	243.7	10.6
SMDH 00666	816508.21	8195189.20	168.43	13.0	13.5	80.0	4806.1	2.7	15.6	941.8	42.5	612.0	84.9	244.6	155.7	253.2	274.2	2.4	11.8	1.2	320.5	347.1	308.3	12.2
SMDH 00649	816385.18	8194889.08	167.53	0.0	1.0	20.0	4378.9	2.1	14.0	786.7	62.0	1392.5	97.7	281.3	179.1	291.1	315.2	1.7	11.1	0.9	483.8	522.2	465.3	18.5
SMDH 00649	816385.18	8194889.08	167.53	1.0	2.0	80.0	4011.8	2.1	14.0	569.1	42.6	954.1	67.3	193.9	123.4	200.7	217.3	1.9	11.2	0.7	333.9	360.0	321.0	12.9
SMDH 00649	816385.18	8194889.08	167.53	2.0	3.0	80.0	4434.7	2.4	16.7	488.5	45.0	638.9	85.8	247.1	157.3	255.8	277.0	2.2	13.1	1.1	256.5	284.3	243.0	13.5
SMDH 00649	816385.18	8194889.08	167.53	3.0	4.0	80.0	4756.4	2.3	14.2	949.5	70.3	1600.9	98.1	282.5	179.8	292.3	316.6	2.0	10.8	1.0	524.9	568.9	504.4	20.6
SMDH 00649	816385.18	8194889.08	167.53	4.0	5.0	80.0	4345.1	2.0	12.3	901.7	69.1	1896.9	97.6	281.1	178.9	290.9	315.0	1.6	9.5	0.8	536.1	579.4	516.3	19.9
SMDH 00649	816385.18	8194889.08	167.53	5.0	6.0	80.0	4495.4	2.3	14.6	893.0	59.4	934.0	83.4	240.3	152.9	248.7	269.3	2.0	11.5	0.8	509.2	546.6	492.1	17.2
SMDH 00649	816385.18	8194889.08	167.53	6.0	7.0	80.0	6517.0	4.1	24.1	807.7	37.8	391.0	106.0	305.3	194.4	316.0	342.2	3.9	18.7	1.2	317.3	340.3	305.8	11.5
SMDH 00649	816385.18	8194889.08	167.53	7.0	8.0	80.0	7551.3	5.1	28.0	884.9	38.3	147.0	121.7	350.4	223.0	362.6	392.7	4.9	21.5	1.4	280.1	304.2	269.3	10.8
SMDH 00649	816385.18	8194889.08	167.53	8.0	9.0	80.0	9347.4	6.6	24.8	2703.8	45.2	71.5	72.9	210.1	133.7	217.4	235.4	6.3	17.0	1.1	176.1	205.8	163.8	12.3
SMDH 00649	816385.18	8194889.08	167.53	9.0	10.0	80.0	7294.4	4.7	22.4	1591.9	76.2	533.2	91.6	263.8	167.9	273.0	295.6	4.3	16.4	1.3	403.4	451.6	381.6	21.9
SMDH 00649	816385.18	8194889.08	167.53	10.0	11.0	80.0	5642.0	3.3	16.5	1395.4	39.9	635.4	96.3	277.2	176.5	286.9	310.7	3.0	11.9	1.3	386.9	412.0	376.1	10.8
SMDH 00649	816385.18	8194889.08	167.53	11.0	12.0	80.0	5770.2	3.4	17.9	1213.5	52.4	692.0	87.4	251.7	160.2	260.5	282.1	3.1	13.2	1.2	417.3	449.6	402.3	15.0
SMDH 00649	816385.18	8194889.08	167.53	12.0	13.0	80.0	5713.7	3.3	17.5	1292.2	48.0	687.9	99.0	285.3	181.6	295.2	319.7	3.0	12.9	1.3	467.8	496.6	453.3	14.5
SMDH 00649	816385.18	8194889.08	167.53	13.0	14.0	80.0	5733.4	3.6	19.8	883.9	22.2	487.5	94.0	270.8	172.4	280.3	303.5	3.3	14.8	1.4	190.2	203.5	183.9	6.2
SMDH 00649	816385.18	8194889.08	167.53	14.0	15.0	80.0	4639.2	2.9	14.6	918.7	15.5	392.6	81.9	236.0	150.2	244.3	264.5	2.7	10.3	1.4	91.0	99.9	86.7	4.3
SMDH 00649	816385.18	8194889.08	167.53	15.0	16.0	80.0	9605.0	6.9	30.1	1937.5	49.7	146.4	103.4	297.7	189.5	308.1	333.6	6.6	22.0	1.2	127.0	158.4	111.7	15.2
SMDH 00649	816385.18	8194889.08	167.53	16.0	17.0	80.0	8180.4	5.9	29.1	1070.4	29.1	129.6	107.5	309.6	197.1	320.4	347.0	5.6	22.0	1.3	107.0	125.4	98.8	8.2
SMDH 00649	816385.18	8194889.08	167.53	17.0	17.5	80.0	4662.4	2.9	13.9	1038.2	9.7	432.6	82.7	238.3	151.7	246.6	267.1	2.6	9.5	1.5	90.9	96.5	88.6	2.3
SMDH 00650	816649.16	8194901.76	168.42	0.0	1.0	50.0	3223.9	1.6	10.8	496.5	40.9	890.0	69.3	199.7	127.1	206.7	223.8	1.4	8.5	0.6	270.6	295.9	258.7	11.9
SMDH 00650	816649.16	8194901.76	168.42	1.0	2.0	80.0	4844.3	2.6	17.8	637.3	47.3	830.5	87.6	252.3	160.6	261.1	282.8	2.4	14.3	0.8	337.9	367.6	324.4	13.5
SMDH 00650	816649.16	8194901.76	168.42	2.0	3.0	80.0	5717.2	3.3	16.6	1315.6	53.8	1132.8	95.1	273.9	174.4	283.5	307.0	2.9	12.3	1.0	386.3	419.5	370.3	16.0
SMDH 00650	816649.16	8194901.76	168.42	3.0	4.0	80.0	5942.1	3.7	17.0	1395.1	51.1	860.0	92.7	266.9	169.9	276.2	299.1	3.3	12.1	1.1	316.0	347.8	301.1	14.9
SMDH 00650	816649.16	8194901.76	168.42	4.0	5.0	80.0	4577.2	2.8	14.5	842.1	38.3	634.0	74.1	213.6	135.9	221.0	239.3	2.6	10.8	0.9	189.3	214.0	179.0	10.3
SMDH 00650	816649.16	8194901.76	168.42	5.0	6.0	80.0	7045.2	4.8	17.4	2055.5	42.3	675.9	76.5	220.3	140.2	228.0	246.9	4.5	11.6	1.1	260.4	286.9	249.1	11.3
SMDH 00650	816649.16	8194901.76	168.42	6.0	7.0	80.0	8196.7	6.2	14.4	3311.1	32.6	325.5	47.8	137.7	87.6	142.5	154.3	5.8	7.4	0.7	158.9	178.6	149.6	9.4
SMDH 00650	816649.16	8194901.76	168.42	7.0	8.0	80.0	8003.5	5.5	14.7	3337.4	35.5	353.5	58.7	169.0	107.6	174.9	189.4	5.1	8.3	0.8	208.1	230.5	198.2	9.9
SMDH 00650	816649.16	8194901.76	168.42	8.0	9.0	80.0	6836.7	4.4	16.7	2212.6	42.7	489.0	82.0	236.3	150.4	244.5	264.8	4.0	11.3	1.0	265.0	291.7	252.7	12.2
SMDH 00650	816649.16	8194901.76	168.42	9.0	10.0	80.0	5650.4	3.4	16.3	1445.6	51.4	463.7	79.0	227.5	144.8	235.4	255.0	3.2	11.7	1.1	248.6	280.5	233.5	15.1
SMDH 00650	816649.16	8194901.76	168.42	10.0	11.0	80.0	5501.4	3.1	16.4	1341.8	52.5	714.9	83.0	239.0	152.2	247.4	267.9	2.8	12.2	1.2	486.2	517.8	470.1	16.1
SMDH 00650	816649.16	8194901.76	168.42	11.0	12.0	80.0	5058.8	3.0	15.8	1068.7	46.8	557.4	84.7	244.0	155.3	252.5	273.4	2.7	11.7	1.2	261.5	290.4	247.2	14.3
SMDH 00650	816649.16	8194901.76	168.42	12.0	13.0	80.0	6216.6	3.9	21.3	979.0	68.6	421.6	104.6	301.3	191.8	311.8	337.6	3.7	16.2	1.2	231.3	274.6	211.0	20.3
SMDH 00650	816649.16	8194901.76	168.42	13.0	13.4	50.0	5260.7	3.1	17.4	990.4	46.7	494.2	88.0	253.6	161.4	262.4	284.2	2.8	13.0	1.3	255.8	285.9	242.8	13.0
SMDH 00650	816649.16	8194901.76	168.42	13.4	13.5	50.0	5260.7	3.1	17.4	990.4	46.7	494.2	88.0	253.6	161.4	262.4	284.2	2.8	13.0	1.3	255.8	285.9	242.8	13.0
SMDH 00651	816931.02	8194888.81	170.65	0.0	1.0	50.0	5605.5	2.8	21.6	737.2	49.0	976.4	83.0	239.1	152.2	247.5	268.0	2.5	18.0	0.8	422.5	452.2	407.6	15.0
SMDH 00651	816931.02	8194888.81	170.65	1.0	2.0	80.0	3990.7	2.0	11.5	980.5	65.4	761.5	85.7	246.9	157.2	255.5	276.7	1.7	8.5	1.0	456.1	497.2	437.3	18.8
SMDH 00651	816931.02	8194888.81	170.65	2.0	3.0	80.0	5818.8	3.5	15.9	1603.3	65.6	451.4	81.6	235.1	149.7	243.3	263.5	3.2	11.0	1.3	347.3	390.3	329.9	17.5
SMDH 00651	816931.02	8194888.81	170.65	3.0	4.0	80.0	7615.2	5.0	16.0	2874.3	53.9	458.8	69.7	200.7	127.7	207.7	224.9	4.6	9.9	1.1	263.1	297.3	247.9	15.2
SMDH 00651	816931.02	8194888.81	170.65	4.0	5.0	80.0	7203.8	4.7	16.7	2355.8	64.0	688.9	81.9	236.0	150.2	244.2	264.4	4.3	10.9	1.1	342.4	382.6	323.9	18.5
SMDH 00651	816931.02	8194888.81	170.65	5.0	6.0	80.0	7614.2	5.4	16.2	2679.6	48.1	511.1	73.9	212.9	135.5	220.3	238.6	4.9	9.8	1.0	303.8	332.8	289.5	14.3

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00651	816931.02	8194888.81	170.65	6.0	7.0	80.0	7276.4	4.9	15.5	2661.1	49.7	444.1	71.2	205.0	130.5	212.2	229.8	4.5	9.6	1.0	339.7	370.4	325.1	14.6
SMDH 00651	816931.02	8194888.81	170.65	7.0	8.0	80.0	5715.6	3.3	16.3	1469.2	68.6	674.0	88.8	255.9	162.9	264.8	286.8	3.0	11.7	1.2	457.2	500.5	437.9	19.3
SMDH 00651	816931.02	8194888.81	170.65	8.0	9.0	80.0	6294.6	3.7	17.4	1714.5	75.0	590.7	88.2	254.2	161.8	263.0	284.8	3.4	12.4	1.3	473.0	520.1	451.3	21.8
SMDH 00651	816931.02	8194888.81	170.65	9.0	10.0	80.0	5194.5	3.0	15.5	1116.1	41.4	891.6	97.5	280.8	178.7	290.6	314.6	2.7	11.1	1.4	289.1	314.9	277.5	11.6
SMDH 00651	816931.02	8194888.81	170.65	10.0	11.0	80.0	5440.0	3.1	16.1	1191.4	40.4	901.9	100.3	288.7	183.8	298.8	323.6	2.8	11.4	1.6	256.9	281.8	245.5	11.4
SMDH 00651	816931.02	8194888.81	170.65	11.0	12.0	80.0	6665.3	4.0	18.8	1651.2	63.2	951.1	113.7	327.3	208.4	338.8	366.8	3.6	13.5	1.3	338.0	378.2	320.2	17.7
SMDH 00651	816931.02	8194888.81	170.65	12.0	13.0	80.0	5475.8	3.2	16.4	1308.4	66.8	484.5	89.7	258.3	164.4	267.3	289.5	2.9	12.0	1.3	366.8	409.8	348.5	18.3
SMDH 00651	816931.02	8194888.81	170.65	13.0	13.2	80.0	6354.3	3.6	19.9	1331.7	80.2	860.1	106.4	306.4	195.0	317.0	343.3	3.3	15.0	1.3	461.1	511.4	437.6	23.6
SMDH 00643	816785.37	8194625.09	169.30	0.0	1.0	50.0	3490.7	1.7	11.6	576.9	35.7	1034.2	68.2	196.3	125.0	203.1	220.0	1.5	9.3	0.7	356.4	378.0	345.6	10.7
SMDH 00643	816785.37	8194625.09	169.30	1.0	2.0	80.0	5186.9	2.4	19.6	758.5	38.8	704.0	89.1	256.8	163.4	265.7	287.7	2.2	15.6	1.5	462.2	484.8	449.7	12.6
SMDH 00643	816785.37	8194625.09	169.30	2.0	3.0	80.0	8179.2	5.2	17.0	3197.4	49.0	559.9	66.0	190.1	121.0	196.8	213.1	4.7	10.7	1.0	315.0	346.2	301.6	13.4
SMDH 00643	816785.37	8194625.09	169.30	3.0	4.0	80.0	9524.4	6.6	14.6	4448.1	30.1	454.2	48.6	139.9	89.1	144.8	156.8	6.1	7.3	0.7	256.5	274.7	248.2	8.3
SMDH 00643	816785.37	8194625.09	169.30	4.0	5.0	80.0	8951.7	6.3	15.0	3929.3	30.2	398.2	54.5	157.0	100.0	162.5	176.0	5.8	7.9	0.8	358.7	376.3	350.0	8.7
SMDH 00643	816785.37	8194625.09	169.30	5.0	6.0	80.0	7007.6	4.6	14.1	2751.8	29.7	485.3	58.9	169.6	108.0	175.6	190.1	4.2	8.5	0.9	375.4	393.0	366.8	8.6
SMDH 00643	816785.37	8194625.09	169.30	6.0	6.1	20.0	7965.4	5.2	13.5	3543.0	33.4	593.4	65.1	187.4	119.3	194.0	210.0	4.7	7.5	0.8	395.0	415.1	385.4	9.6
SMDH 00635	816641.44	8194348.91	166.78	0.0	1.0	60.0	5300.0	2.7	20.7	590.8	44.8	682.3	111.9	322.2	205.1	333.4	361.1	2.4	16.7	1.3	326.2	354.0	313.4	12.9
SMDH 00635	816641.44	8194348.91	166.78	1.0	2.0	80.0	5377.1	2.8	20.7	634.5	40.3	705.2	112.2	323.1	205.7	334.4	362.1	2.5	16.6	1.3	301.8	326.5	289.6	12.2
SMDH 00635	816641.44	8194348.91	166.78	2.0	3.0	80.0	4588.1	2.3	16.1	728.8	53.9	732.0	96.5	278.0	177.0	287.7	311.6	2.0	12.4	1.4	388.5	422.7	373.9	14.6
SMDH 00635	816641.44	8194348.91	166.78	3.0	4.0	60.0	4034.9	2.1	13.3	783.6	47.7	539.9	74.1	213.4	135.9	220.9	239.2	1.8	9.9	1.3	344.3	374.1	331.0	13.3
SMDH 00635	816641.44	8194348.91	166.78	4.0	5.0	80.0	5484.2	3.2	16.9	1181.6	92.1	643.2	82.2	236.6	150.6	244.9	265.2	2.9	12.4	1.3	380.8	441.4	356.2	24.6
SMDH 00635	816641.44	8194348.91	166.78	5.0	6.0	80.0	5958.9	3.4	15.8	1784.0	90.8	626.6	75.1	216.3	137.7	223.8	242.4	3.0	11.2	1.2	442.2	501.7	417.8	24.4
SMDH 00635	816641.44	8194348.91	166.78	6.0	7.0	80.0	4698.8	2.6	14.6	1005.6	80.9	667.1	72.6	209.1	133.1	216.4	234.3	2.3	10.8	1.3	453.2	505.2	430.4	22.8
SMDH 00642	816528.38	8194599.48	166.99	0.0	1.0	50.0	4055.6	2.2	13.4	683.9	50.5	858.1	81.4	234.4	149.2	242.6	262.7	1.9	10.3	0.9	324.4	356.2	309.9	14.5
SMDH 00642	816528.38	8194599.48	166.99	1.0	2.0	80.0	3708.2	1.9	12.2	724.4	47.2	670.5	71.2	205.0	130.5	212.2	229.8	1.7	9.6	0.7	399.4	428.2	385.2	14.3
SMDH 00642	816528.38	8194599.48	166.99	2.0	3.0	80.0	4507.2	2.3	14.7	902.6	56.4	723.0	74.7	215.1	136.9	222.6	241.0	2.1	11.4	1.0	436.4	471.8	420.3	16.0
SMDH 00642	816528.38	8194599.48	166.99	3.0	4.0	80.0	4501.7	2.5	15.1	770.6	60.5	605.4	72.8	209.5	133.4	216.9	234.8	2.3	11.3	1.2	343.8	382.3	326.6	17.2
SMDH 00642	816528.38	8194599.48	166.99	4.0	5.0	80.0	5999.4	3.6	14.4	1988.4	87.2	543.4	66.1	190.3	121.1	196.9	213.2	3.2	9.7	1.2	372.4	430.0	348.8	23.5
SMDH 00642	816528.38	8194599.48	166.99	5.0	6.0	80.0	5321.6	3.1	14.8	1403.9	60.6	707.3	70.6	203.4	129.5	210.6	228.0	2.8	10.6	1.2	403.3	442.9	387.3	16.0
SMDH 00642	816528.38	8194599.48	166.99	6.0	6.5	80.0	4766.1	2.7	13.7	1206.2	55.1	553.9	66.0	190.1	121.0	196.7	213.0	2.5	9.9	1.1	378.3	413.5	363.1	15.2
SMDH 00633	816091.50	8194347.91	165.74	0.0	1.0	50.0	6396.6	3.7	23.2	849.3	68.3	718.0	134.6	387.6	246.7	401.1	434.3	3.3	18.0	1.5	348.2	391.9	328.6	19.7
SMDH 00633	816091.50	8194347.91	165.74	1.0	2.0	80.0	4187.3	2.2	14.5	632.6	47.0	775.4	86.7	249.7	159.0	258.4	279.9	2.0	11.3	1.0	312.0	341.5	298.3	13.6
SMDH 00633	816091.50	8194347.91	165.74	2.0	3.0	80.0	4274.5	2.2	14.0	815.2	53.2	1005.2	72.2	207.9	132.3	215.1	233.0	1.9	11.1	0.7	483.4	516.6	468.0	15.4
SMDH 00633	816091.50	8194347.91	165.74	3.0	4.0	80.0	5483.4	2.9	17.6	1006.2	64.7	1286.2	114.4	329.5	209.8	341.0	369.3	2.5	13.5	1.2	491.4	532.3	473.0	18.4
SMDH 00633	816091.50	8194347.91	165.74	4.0	5.0	80.0	4335.1	2.1	14.3	769.9	58.1	1118.8	91.2	262.8	167.3	272.0	294.5	1.8	11.2	1.0	461.2	498.1	445.3	15.9
SMDH 00633	816091.50	8194347.91	165.74	5.0	6.0	80.0	3919.6	2.1	14.4	555.3	34.3	556.1	77.1	221.9	141.3	229.7	248.7	1.9	11.6	0.7	304.3	325.1	293.8	10.4
SMDH 00633	816091.50	8194347.91	165.74	6.0	7.0	80.0	4155.9	2.2	14.0	782.3	40.6	717.5	70.5	203.0	129.2	210.1	227.5	1.9	11.0	0.8	394.0	418.3	381.5	12.5
SMDH 00633	816091.50	8194347.91	165.74	7.0	8.0	80.0																		
SMDH 00633	816091.50	8194347.91	165.74	8.0	9.0	80.0	4038.4	2.2	9.9	1373.1	26.0	420.6	38.7	111.4	70.9	115.2	124.8	2.0	6.5	1.1	312.2	327.9	304.8	7.4
SMDH 00633	816091.50	8194347.91	165.74	9.0	10.0	80.0	4824.9	2.9	13.8	1238.8	19.6	499.2	68.7	197.8	125.9	204.7	221.6	2.6	9.7	1.2	253.9	265.5	248.4	5.5
SMDH 00633	816091.50	8194347.91	165.74	10.0	11.0	80.0	4385.9	2.4	15.1	730.9	31.4	614.3	90.2	259.7	165.3	268.7	291.0	2.2	11.5	1.1	329.2	347.8	319.6	9.6
SMDH 00633	816091.50	8194347.91	165.74	11.0	12.0	80.0	4165.9	2.3	14.8	591.1	39.5	541.3	84.6	243.7	155.1	252.2	273.1	2.1	11.3	1.2	271.1	295.7	259.8	11.2
SMDH 00633	816091.50	8194347.91	165.74	12.0	13.0	80.0	4249.2	2.3	14.7	687.0	49.7	642.6	79.1	227.9	145.0	235.8	255.4	2.0	11.2	1.2	373.5	404.1	358.8	14.7
SMDH 00633	816091.50	8194347.91	165.74	13.0	14.0	80.0	4691.7	2.4	15.0	1014.5	66.6	595.0	78.6	226.3	144.1	234.2	253.6	2.2	11.3	1.3	535.5	578.0	517.2	18.3
SMDH 00633	816091.50	8194347.91	165.74	14.0	14.5	30.0	4333.4	2.4	14.8	694.3	47.5	633.9	77.2	222.4	141.5	230.1	249.2	2.2	11.2	1.2	279.0	308.8	265.7	13.3
SMDH 00636	816931.70	8194332.02	165.98	0.0	1.0	20.0	3233.8	1.6	10.6	560.9	43.5	838.0	83.1	239.4	152.4	247.8	268.3	1.4	8.4	0.6	353.3	379.8	340.1	13.2
SMDH 00636	816931.70	8194332.02	165.98	1.0	2.0	80.0	3561.6	1.8	11.4	638.9	56.2	967.4	89.7	258.4	164.5	267.4	289.5	1.5	9.0	0.7	401.1	436.6	384.8	16.2
SMDH 00636	816931.70	8194332.02	165.98	2.0	3.0	80.0	3887.1	1.9	12.8	708.2	54.2	830.9	83.0	239.1	152.2	247.4	267.9	1.7	9.9	0.9	383.3	416.1	366.7	16.6
SMDH 00636	816931.70	8194332.02	165.98	3.0	4.0	80.0	6302.2	3.8	15.8	1983.4	60.6	595.2	78.1	225.0	143.2	232.8	252.1	3.5	10.9	1.1	486.8	524.9	470.4	16.4
SMDH 00636	816931.70	8194332.02	165.98	4.0	5.0	80.0	7438.8	5.3	15.1	2728.4	28.9	488.3	69.2	199.2	126.8	206.1	223.2	4.9	8.8	1.0	161.0	177.7	153.0	8.1
SMDH 00636	816931.70	8194332.02	165.98	5.0	6.0	80.0	6161.5	4.1	12.4	2284.8	14.6	601.2	59.9	172.5	109.8	178.6	193.4	3.8	7.0	1.2	155.4	163.2	151.4	4.0
SMDH 00636	816931.70	8194332.02	165.98	6.0	7.0	80.0	8080.9	5.2	24.2	1685.0	29.9	1153.5	164.8	474.6	302.1	491.2	531.9	4.7	17.8	1.1	118.6	137.0	110.4	8.2
SMDH 00636	816931.70	8194332.02	165.98	7.0	8.0	80.0	6171.2	3.6	20.2	1124.4	53.3	887.5	119.7	344.7	219.4	356.7	386.3	3.3	15.4	1.2	358.7	391.4	343.4	15.3
SMDH 00636	816931.70	8194332.02	165.98	8.0	9.0	80.0	5503.3	3.1	17.2	1177.4	73.9	745.1	88.0	253.4	161.3	262.2	284.0	2.8	12.9	1.2	445.1	491.4	424.4	20.7
SMDH 00636	816931.70	8194332.02	165.98	9.0	10.0	80.0	6222.5	3.8	17.3	1666.6	36.5	678.5	88.2	254.1	161.7	263.0	284.8	3.5	12.3	1.1	256.7	279.1	246.3	10.4
SMDH 00636	816931.70	8194332.02	165.98	10.0	10.3	50.0	6247.5	3.8	19.6	1212.9	47.4	907.2	99.9	287.8	183.2	297.8	322.5	3.5	14.6	1.2	160.4	190.8	147.9	12.6
SMDH 00627	816794.87	8194089.76	165.19	0.0	1.0	50.0	5605.6	3.0	19.3	786.4	67.5	1198.7	134.4	387.1	246.4	400.6	433.8	2.7	14.9	1.3	400.7	443.1	380.7	20.0
SMDH 00627	816794.87	8194089.76	165.19	1.0	2.0	80.0	5116.4	2.7	17.4	830.0	58.8	889.3	116.7	336.2	214.0	347.9	376.8	2.4	13.5	1.2	340.9	377.7	323.7	17.2
SMDH 00627	816794.87	8194089.76	165.19	2.0	3.0	80.0	5169.2	2.9	16.7	931.1	50.1	1046.9	96.2	277.0	176.3	286.7	310.5	2.5	12.7	1.1	298.8	330.3	285.2	13.6
SMDH 00627	816794.87	8194089.76	165.19	3.0	4.0	80.0	5413.5	3.2	19.2	722.9	42.5	744.8	102.2	294.2	187.3	304.5	329.7	2.9	14.7	1.3	253.0	279.0	240.3	12.7
SMDH 00627	816794.87	8194089.76	165.19	4.0	5.0	80.0	6469.7	4.0	20.8	1139.7	51.2	940.7	109.4	315.2	200.6	326.2	353.2	3.6	15.5	1.4	247.5	279.4	232.9	14.6
SMDH 00627	816794.87	8194089.76	165.19	5.0	6.0	80.0	6143.6	3.6	16.7	1512.4	54.8	1453.3	95.8	276.0	175.7	285.6	309.3	3.1	12.0	1.1	449.5	483.0	433.9	15.6
SMDH 00627	816794.87	8194089.76	165.19	6.0	7.0	80.0	5564.4	3.3	16.7	1136.2	24.2	1116.9	108.5	312.6	199.0	323.5	350.3	2.9	12.3	1.2	220.3	234.6	213.5	6.8
SMDH 00627	816794.87	8194089.76	165.19	7.0	8.0	80.0	6719.4	4.1	16.4	2234.3	44.0	604.5	80.4	231.6	147.4	239.7	259.5	3.7	11.2	1.1	388.6	415.0	375.7	12.9
SMDH 00627	816794.87	8194089.76	165.19	8.0	9.0	80.0	6288.3	3.7	16.2	1917.4	43.7	795.2	85.8	247.1	157.3	255.7	276.9	3.3	11.5	1.1	331.8	358.9	319.5	12.3
SMDH 00627	816794.87	8194089.76	165.19	9.0	10.0	80.0	5191.7	2.8	15.5	1243.1	50.3	785.3	86.7	249.7	158.9	258.4	279.8	2.5	11.5	1.2	356.3	387.2	341.4	15.0
SMDH 00627	816794.87	8194089.76	165.19	10.0	10.8	80.0	4997.8	2.7	17.1	872.5	41.8	725.2	83.8	241.3	153.6	249.7	270.4	2.5	13.3	1.1	333.8	359.6	321.4	12.4
SMDH 00627	816794.87	8194089.76	165.19	10.8	11.0	80.0	4997.8	2.7	17.1	872.5	41.8	725.2	83.8	241.3	153.6	249.7	270.4	2.5	13.3	1.1	333.8	359.6	321.4	12.4
SMDH 00626	816509.13	8194067.98	165.67	0.0	1.0	20.0	3999.7	1.9	14.2	585.8	47.7	1013.7	78.9	227.2	144.6	235.1	254.6	1.6	11.5	0.8	360.6	390.5	346.9	13.6
SMDH 00626	816509.13	8194067.98	165.67	1.0	2.0	80.0	5567.1	3.4	16.8	1166.9	55.1	826.6	94.0	270.8	172.4	280.3	303.5	3.1	12.4	1.1	302.6	338.1	287.6	15.0
SMDH 00626	816509.13	8194067.98	165.67	2.0	3.0	80.0	4845.3	2.7	16.5	686.7	62.5	1049.6	101.1	291.1	185.3	301.3	326.2	2.4	12.7	1.1	387.1	426.3	368.9	18.3
SMDH 00626	816509.13	8194067.98	165.67	3.0	4.0	80.0	3843.5	2.2	13.5	584.5	35.7	456.9	71.6	206.3	131.3	213.5	231.2	2.0	10.4	1.0	287.7	309.7	277.6	10.1
SMDH 00626	816509.13	8194067.98	165.67	4.0	4.1	20.0	4875.8	3.0	17.5	666.8	33.4	433.3	72.2	207.9	132.3	215.1	233.0	2.8	13.3	1.3	186.2	207.2	177.1	9.2
SMDH 00618	816660.55	8193776.40	164.29	0.0	1.0	50.0	5544.4	3.0	19.8	721.5	62.7	946.5	127.9	368.4	234.5	381.2	412.8	2.7	15.3	1.4	354.7	394.3	336.5	18.2
SMDH 00618	816660.55	8193776.40	164.29	1.0	2.0	80.0	5422.3	2.9	16.0	1212.3	57.4	1239.6	107.8	310.5	197.6	321.3	348.0	2.5	11.9	1.1	411.2	446.7	393.7	17.6
SMDH 00618	816660.55	8193776.40	164.29	2.0	3.0	80.0	4168.5	2.2	12.9	926.7	52.1	829.0	75.6	217.7	138.6	225.3	244.0	1.9	10.0	0.7	437.0	469.6	422.2	14.8
SMDH 00618	816660.55	8193776.40	164.29	3.0	4.0	80.0	4839.3	2.3	15.6	953.1	63.1	1238.3	110.3	317.6	202.2	328.7	356.0	1.9	12.4	0.9	595.7	633.9	576.5	19.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00618	816660.55	8193776.40	164.29	4.0	5.0	80.0	4939.5	2.7	14.2	1029.9	66.6	1471.8	105.1	302.6	192.6	313.1	339.1	2.3	10.6	0.9	636.8	677.8	617.0	19.8
SMDH 00618	816660.55	8193776.40	164.29	5.0	6.0	80.0	4819.2	2.8	14.6	1060.4	44.8	690.4	90.3	260.0	165.5	269.0	291.3	2.5	10.7	1.1	353.0	381.1	340.5	12.5
SMDH 00618	816660.55	8193776.40	164.29	6.0	7.0	80.0	4814.7	2.9	14.2	1169.4	47.9	426.7	73.0	210.2	133.8	217.5	235.6	2.6	10.1	1.2	298.0	326.5	283.6	14.4
SMDH 00618	816660.55	8193776.40	164.29	7.0	8.0	80.0	5403.2	3.3	16.1	1272.5	28.7	484.2	82.9	238.8	152.0	247.1	267.6	3.0	11.7	1.2	215.8	233.0	207.5	8.3
SMDH 00618	816660.55	8193776.40	164.29	8.0	9.0	80.0	5509.4	3.2	15.3	1520.0	49.1	557.1	79.6	229.2	145.9	237.2	256.8	2.9	10.8	1.3	375.0	404.1	360.2	14.9
SMDH 00618	816660.55	8193776.40	164.29	9.0	10.0	80.0	4841.3	2.8	14.5	1125.2	28.0	532.6	71.2	204.9	130.4	212.1	229.7	2.6	10.4	1.3	252.0	268.3	243.5	8.5
SMDH 00618	816660.55	8193776.40	164.29	10.0	11.0	80.0	5703.0	3.4	15.5	1609.4	38.5	589.0	80.5	231.9	147.6	240.0	259.9	3.1	10.9	1.2	306.2	328.9	294.6	11.6
SMDH 00618	816660.55	8193776.40	164.29	11.0	12.0	80.0	5711.2	3.2	15.5	1643.6	44.7	769.8	86.3	248.5	158.2	257.2	278.5	2.8	11.1	1.2	510.3	537.1	497.1	13.2
SMDH 00618	816660.55	8193776.40	164.29	12.0	12.9	80.0	5831.3	3.2	16.2	1697.1	43.3	626.3	91.8	264.3	168.3	273.6	296.2	2.8	11.8	1.3	583.1	609.1	570.4	12.7
SMDH 00618	816660.55	8193776.40	164.29	12.9	13.0	80.0	5831.3	3.2	16.2	1697.1	43.3	626.3	91.8	264.3	168.3	273.6	296.2	2.8	11.8	1.3	583.1	609.1	570.4	12.7
SMDH 00619	816929.02	8193775.47	165.20	0.0	1.0	50.0	4672.6	2.6	16.2	654.3	53.7	870.5	94.9	273.4	174.1	283.0	306.4	2.4	12.5	1.1	276.4	310.9	261.3	15.1
SMDH 00619	816929.02	8193775.47	165.20	1.0	2.0	80.0	4186.6	2.3	14.9	497.0	46.9	973.9	91.3	262.9	167.3	272.0	294.6	2.0	11.6	0.9	250.1	279.6	236.3	13.8
SMDH 00619	816929.02	8193775.47	165.20	2.0	3.0	80.0	3514.4	2.0	12.6	474.7	27.7	606.0	62.4	179.6	114.3	185.9	201.3	1.8	10.1	0.5	269.2	285.7	260.7	8.5
SMDH 00619	816929.02	8193775.47	165.20	3.0	4.0	80.0	4485.3	2.8	13.2	1063.1	37.4	447.7	60.7	175.0	111.4	181.1	196.1	2.6	9.7	0.8	239.3	262.2	228.6	10.6
SMDH 00619	816929.02	8193775.47	165.20	4.0	5.0	80.0	10077.1	7.3	14.1	4859.1	38.2	337.9	42.1	121.2	77.2	125.5	135.9	6.7	6.3	0.6	280.5	303.2	269.4	11.1
SMDH 00619	816929.02	8193775.47	165.20	5.0	6.0	80.0	6604.3	4.2	15.0	2338.1	43.4	459.2	62.0	178.7	113.7	184.9	200.2	3.9	9.8	1.0	255.7	282.6	243.4	12.3
SMDH 00619	816929.02	8193775.47	165.20	6.0	7.0	80.0	6204.1	3.9	12.6	2487.6	42.4	269.3	53.9	155.3	98.8	160.7	174.0	3.6	7.6	1.1	205.5	232.1	193.8	11.6
SMDH 00619	816929.02	8193775.47	165.20	7.0	8.0	80.0	5488.9	3.3	12.7	1937.7	33.8	358.3	66.1	190.4	121.2	197.0	213.4	3.0	8.1	1.2	212.2	232.7	202.3	9.9
SMDH 00619	816929.02	8193775.47	165.20	8.0	9.0	80.0	5597.3	3.2	16.0	1403.7	40.1	842.2	92.4	266.1	169.4	275.4	298.2	2.9	11.6	1.2	330.2	354.3	318.2	11.9
SMDH 00619	816929.02	8193775.47	165.20	9.0	10.0	80.0	6121.6	3.7	16.4	1708.6	52.6	676.2	87.4	251.7	160.2	260.5	282.1	3.4	11.5	1.2	302.2	333.7	286.0	16.2
SMDH 00619	816929.02	8193775.47	165.20	10.0	11.0	80.0	4840.6	2.9	12.0	1519.4	18.8	412.6	61.4	176.8	112.5	183.0	198.1	2.6	7.5	1.6	116.7	128.0	111.7	5.0
SMDH 00619	816929.02	8193775.47	165.20	11.0	11.0	80.0	4840.6	2.9	12.0	1519.4	18.8	412.6	61.4	176.8	112.5	183.0	198.1	2.6	7.5	1.6	116.7	128.0	111.7	5.0
SMDH 00611	816782.09	8193509.15	165.27	0.0	1.0	30.0	6787.0	4.0	25.7	768.6	63.5	669.5	140.6	405.0	257.8	419.1	453.9	3.7	20.5	1.2	299.4	340.1	281.0	18.4
SMDH 00611	816782.09	8193509.15	165.27	1.0	2.0	80.0	11631.6	8.0	30.0	3593.0	42.7	203.4	144.1	415.0	264.2	429.5	465.1	7.4	21.1	0.9	82.8	110.7	70.8	12.0
SMDH 00611	816782.09	8193509.15	165.27	2.0	3.0	80.0	9258.7	6.3	22.5	3069.2	33.7	255.5	108.6	312.7	199.0	323.6	350.4	5.8	15.3	1.0	121.4	143.0	112.1	9.3
SMDH 00611	816782.09	8193509.15	165.27	3.0	4.0	80.0	6513.8	4.1	18.9	1621.7	32.0	428.7	105.5	304.0	193.5	314.6	340.7	3.8	13.5	1.2	153.1	173.3	144.1	9.0
SMDH 00611	816782.09	8193509.15	165.27	4.0	5.0	80.0	5959.7	3.5	15.1	1919.8	31.3	537.9	80.0	230.4	146.7	238.4	258.2	3.1	10.4	1.2	404.8	423.4	395.7	9.1
SMDH 00611	816782.09	8193509.15	165.27	5.0	6.0	80.0	6515.5	3.9	19.0	1596.0	72.6	748.6	97.4	280.6	178.6	290.4	314.5	3.5	14.0	1.2	403.0	448.9	382.2	20.8
SMDH 00611	816782.09	8193509.15	165.27	6.0	6.3	80.0	7219.9	4.3	21.1	1782.0	77.1	770.2	108.2	311.7	198.4	322.6	349.4	3.9	15.6	1.2	416.2	466.2	394.4	21.9
SMDH 00605	816917.21	8193205.73	167.84	0.0	1.0	50.0	4114.9	1.9	15.0	602.6	57.4	696.7	81.6	235.1	149.6	243.3	263.4	1.7	11.8	1.2	368.2	404.3	351.3	16.9
SMDH 00605	816917.21	8193205.73	167.84	1.0	2.0	80.0	5926.9	3.4	16.1	1720.4	55.0	562.3	85.0	244.7	155.8	253.2	274.2	3.1	11.4	1.2	297.7	333.1	282.3	15.4
SMDH 00605	816917.21	8193205.73	167.84	2.0	3.0	80.0	5683.6	3.2	17.0	1429.5	61.4	469.9	82.8	238.4	151.7	246.7	267.1	2.9	12.4	1.3	461.9	500.6	444.3	17.7
SMDH 00605	816917.21	8193205.73	167.84	3.0	4.0	80.0	5094.9	3.0	15.3	1213.8	42.0	452.0	71.6	206.3	131.3	213.5	231.2	2.8	11.0	1.2	283.2	309.8	271.3	11.9
SMDH 00605	816917.21	8193205.73	167.84	4.0	5.0	80.0	5412.3	3.2	16.8	1156.3	47.9	579.9	81.9	235.8	150.1	244.0	264.2	3.0	12.3	1.2	277.5	307.2	263.1	14.4
SMDH 00605	816917.21	8193205.73	167.84	5.0	5.8	80.0	5850.1	3.6	15.6	1726.4	41.2	474.8	68.3	196.8	125.3	203.7	220.6	3.3	10.8	1.2	269.2	295.3	257.8	11.4
SMDH 00605	816917.21	8193205.73	167.84	5.8	6.0	80.0	5850.1	3.6	15.6	1726.4	41.2	474.8	68.3	196.8	125.3	203.7	220.6	3.3	10.8	1.2	269.2	295.3	257.8	11.4
SMDH 00604	816648.74	8193231.22	165.68	0.0	1.0	50.0	4906.3	2.6	17.6	666.7	41.1	1079.3	85.2	245.5	156.3	254.0	275.1	2.3	14.2	0.8	360.2	385.2	347.5	12.7
SMDH 00604	816648.74	8193231.22	165.68	1.0	2.0	80.0	4536.2	2.3	16.6	569.8	40.4	1087.4	87.2	251.3	159.9	260.0	281.6	2.0	13.5	0.8	343.1	367.5	330.6	12.5
SMDH 00604	816648.74	8193231.22	165.68	2.0	3.0	80.0	4793.9	2.6	17.3	652.9	64.6	565.1	99.0	285.3	181.6	295.2	319.7	2.4	13.4	1.3	346.3	388.1	328.4	17.9
SMDH 00604	816648.74	8193231.22	165.68	3.0	4.0	80.0	4814.7	2.9	16.4	721.4	15.0	667.4	92.6	266.7	169.8	276.0	298.9	2.6	12.2	1.3	85.1	94.1	80.7	4.4
SMDH 00604	816648.74	8193231.22	165.68	4.0	5.0	80.0	6317.3	4.0	15.3	1999.2	12.6	708.2	107.4	309.4	196.9	320.2	346.7	3.6	10.1	1.2	110.9	118.5	107.6	3.3
SMDH 00604	816648.74	8193231.22	165.68	5.0	6.0	80.0	11263.9	7.3	25.2	3878.9	66.8	1233.7	156.0	449.3	286.0	465.0	503.6	6.6	16.7	1.2	111.9	154.6	92.9	19.0
SMDH 00604	816648.74	8193231.22	165.68	6.0	7.0	80.0	8340.0	5.3	24.2	1842.8	25.1	1268.2	167.6	482.8	307.3	499.6	541.1	4.8	17.3	1.5	67.5	82.5	60.0	7.6
SMDH 00604	816648.74	8193231.22	165.68	7.0	8.0	80.0	6022.2	3.6	16.6	1421.0	14.4	1320.0	96.4	277.6	176.7	287.3	311.1	3.2	11.4	1.7	89.7	97.7	85.3	4.4
SMDH 00604	816648.74	8193231.22	165.68	8.0	9.0	80.0	5043.4	3.0	16.5	953.2	19.0	530.6	107.9	310.9	197.9	321.8	348.4	2.7	12.4	1.2	220.5	231.8	214.9	5.6
SMDH 00604	816648.74	8193231.22	165.68	9.0	10.0	80.0	4677.7	2.8	14.7	940.8	10.5	679.1	83.4	240.3	152.9	248.7	269.3	2.5	10.7	1.2	143.0	148.7	139.6	3.4
SMDH 00604	816648.74	8193231.22	165.68	10.0	11.0	80.0	4906.8	2.9	15.8	898.2	11.2	761.2	97.9	281.9	179.4	291.7	315.9	2.6	11.7	1.3	155.9	162.0	152.5	3.5
SMDH 00604	816648.74	8193231.22	165.68	11.0	12.0	80.0	7496.4	4.8	23.5	1560.9	36.6	555.5	117.0	337.0	214.5	348.7	377.6	4.5	17.5	1.2	246.9	269.2	235.9	11.0
SMDH 00603	816376.65	8193219.96	164.35	0.0	1.0	50.0	4187.4	1.9	13.9	736.3	49.4	1197.7	72.3	208.2	132.5	215.4	233.3	1.7	11.0	1.0	437.9	467.9	422.9	15.1
SMDH 00603	816376.65	8193219.96	164.35	1.0	2.0	80.0	4452.3	2.3	13.9	966.7	39.2	765.6	84.6	243.6	155.1	252.1	273.0	2.0	10.4	1.2	415.8	439.7	404.4	11.5
SMDH 00603	816376.65	8193219.96	164.35	2.0	3.0	80.0	5753.2	3.2	15.2	1762.3	28.6	655.4	86.5	249.0	158.5	257.7	279.1	2.9	10.7	1.3	487.2	504.0	479.3	7.9
SMDH 00603	816376.65	8193219.96	164.35	3.0	4.0	80.0	6014.4	3.5	14.2	2124.1	27.6	538.8	81.9	235.8	150.1	244.1	264.3	3.2	9.6	1.1	422.2	437.9	413.9	8.3
SMDH 00603	816376.65	8193219.96	164.35	4.0	5.0	80.0	5714.0	3.3	14.4	1831.1	23.7	713.5	89.0	256.4	163.2	265.4	287.4	2.9	9.9	1.1	435.0	448.1	427.7	7.3
SMDH 00603	816376.65	8193219.96	164.35	5.0	6.0	80.0	4292.3	2.6	10.1	1411.2	11.9	388.9	52.8	152.0	96.7	157.3	170.3	2.4	6.2	1.3	91.3	98.2	88.1	3.2
SMDH 00603	816376.65	8193219.96	164.35	6.0	7.0	80.0	4873.0	2.9	13.1	1391.4	18.2	553.0	77.0	221.7	141.1	229.4	248.4	2.6	9.1	1.1	264.7	275.3	259.5	5.2
SMDH 00603	816376.65	8193219.96	164.35	7.0	8.0	80.0	5182.2	3.0	13.9	1539.8	21.6	553.1	79.3	228.3	145.3	236.3	255.9	2.7	9.8	1.2	355.1	367.4	348.7	6.4
SMDH 00603	816376.65	8193219.96	164.35	8.0	9.0	80.0	5941.7	3.5	14.3	1981.5	17.4	670.7	80.0	230.3	146.6	238.4	258.1	3.2	9.6	1.2	302.6	312.6	298.0	4.6
SMDH 00603	816376.65	8193219.96	164.35	9.0	9.5	80.0	5226.0	3.2	15.7	1186.7	8.2	504.6	92.7	266.9	169.9	276.2	299.1	2.9	11.3	1.3	97.0	101.4	94.7	2.3
SMDH 00602	816097.69	8193233.96	163.36	0.0	1.0	60.0	5724.5	3.2	20.3	735.4	67.4	1006.2	130.2	375.1	238.8	388.2	420.4	2.9	15.8	1.3	383.8	426.2	363.9	19.9
SMDH 00602	816097.69	8193233.96	163.36	1.0	2.0	80.0	3606.4	2.0	12.6	441.9	43.2	842.5	82.1	236.5	150.5	244.7	265.0	1.7	9.8	0.9	221.4	248.1	208.2	13.2
SMDH 00602	816097.69	8193233.96	163.36	2.0	3.0	80.0	4588.8	2.5	16.0	641.4	53.3	1005.6	88.1	253.6	161.4	262.5	284.2	2.2	12.5	1.0	346.8	380.3	331.2	15.6
SMDH 00602	816097.69	8193233.96	163.36	3.0	4.0	80.0	3015.5	1.6	10.6	529.4	28.0	339.0	43.1	124.2	79.0	128.5	139.2	1.5	8.4	0.7	225.6	243.0	217.4	8.2
SMDH 00602	816097.69	8193233.96	163.36	4.0	5.0	80.0	4211.1	2.3	14.4	740.3	38.0	542.7	59.4	170.9	108.8	176.9	191.6	2.1	11.2	0.9	266.8	290.5	255.8	11.0
SMDH 00602	816097.69	8193233.96	163.36	5.0	6.0	80.0	4044.2	2.0	10.7	1014.9	49.8	1357.9	82.5	237.7	151.3	246.0	266.4	1.7	7.9	0.8	522.4	552.8	507.7	14.8
SMDH 00602	816097.69	8193233.96	163.36	6.0	7.0	80.0	3959.5	2.4	11.5	937.0	12.3	366.2	62.9	181.1	115.3	187.4	203.0	2.2	7.8	1.3	99.3	106.3	96.1	3.2
SMDH 00602	816097.69	8193233.96	163.36	7.0	8.0	80.0	3407.0	2.0	9.8	836.0	12.4	336.4	49.8	143.5	91.4	148.5	160.8	1.8	6.5	1.3	83.2	90.6	79.9	3.3
SMDH 00602	816097.69	8193233.96	163.36	8.0	9.0	80.0	3881.7	2.3	11.4	804.6	29.2	775.3	51.9	149.6	95.2	154.8	167.7	2.0	7.9	1.3	115.8	133.9	107.5	8.3
SMDH 00602	816097.69	8193233.96	163.36	9.0	10.0	80.0	4086.8	2.2	12.0	1060.0	21.9	418.6	70.8	204.0	129.8	211.1	228.6	2.0	8.6	1.2	375.2	387.6	368.7	6.5
SMDH 00602	816097.69	8193233.96	163.36	10.0	11.0	80.0	4358.2	2.4	13.5	983.9	18.2	541.4	85.5	246.2	156.7	254.8	276.0	2.2	9.9	1.1	329.9	340.6	324.7	5.2
SMDH 00602	816097.69	8193233.96	163.36	11.0	12.0	80.0	4030.5	2.2	11.8	989.1	16.3	612.3	73.1	210.5	134.0	217.8	235.9	2.0	8.3	1.2	279.7	289.0	275.0	4.7
SMDH 00602	816097.69	8193233.96	163.36	12.0	13.0	80.0	4243.4	2.3	12.0	1151.0	19.0	563.4	73.5	211.5	134.7	218.9	237.1	2.0	8.5	1.2	341.6	352.2	336.1	5.5
SMDH 00602	816097.69	8193233.96	163.36	13.0	14.0	80.0	4982.5	2.7	15.2	1191.3	26.4	635.7	91.8	264.5	168.4	273.7	296.4	2.4	11.3	1.2	450.2	465.4	442.4	7.8
SMDH 00602	816097.69	8193233.96	163.36	14.0	14.4	80.0	4718.1	2.4	12.7	1447.2	26.6	719.3	71.6	206.3	131.3	213.5	231.2	2.1	9.0	1.3	599.7	614.5	591.3	8.4
SMDH 00602	816097.69	8193233.96	163.36	14.4	14.5	80.0	4718.1	2.4	12.7	1447.2	26.6	719.3	71.6	206.3	131.3	213.5	231.2	2.1	9.0	1.3	599.7	614.5	591.3	8.4
SMDH 00716	812659.05	8196290.64	164.40	0.0	1.0	50.0	5839.0	2.6	13.8	1378.5	108.1	3605.9	98.6	284.0	180.8	293.9	318.2	2.0	10.4	0.8	802.7	870.3	771.3	31.5
SMDH 00716	812659.05	8196290.64	164.40	1.0	2.0	80.0	5122.4	2.8	17.0	734.9	82.2	1303.8	104.6	301.3	191.8	311.8	337.7	2.5	13.0	1.1	368.6	420.6	344.5	24.1

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00716	812659.05	8196290.64	164.40	2.0	3.0	80.0	5880.6	3.5	16.1	1638.0	49.5	750.8	73.7	212.3	135.1	219.7	237.9	3.1	11.6	1.0	337.9	369.0	323.6	14.2
SMDH 00716	812659.05	8196290.64	164.40	3.0	4.0	80.0	8286.0	5.4	13.4	3882.5	28.6	397.1	53.4	153.7	97.8	159.0	172.2	4.9	7.0	1.0	263.0	280.0	254.0	9.0
SMDH 00716	812659.05	8196290.64	164.40	4.0	5.0	80.0	5473.4	3.7	11.9	1914.2	18.8	413.9	48.4	139.4	88.7	144.2	156.2	3.4	7.1	1.2	127.9	139.3	122.8	5.2
SMDH 00716	812659.05	8196290.64	164.40	5.0	6.0	80.0	5613.8	3.6	13.1	1879.3	42.8	391.4	64.9	186.8	118.9	193.4	209.4	3.3	8.4	1.1	290.6	317.6	278.6	12.1
SMDH 00716	812659.05	8196290.64	164.40	6.0	7.0	80.0	3429.0	1.8	11.9	570.7	45.9	419.3	46.5	134.1	85.3	138.7	150.2	1.6	9.0	1.1	263.3	292.4	249.9	13.4
SMDH 00716	812659.05	8196290.64	164.40	7.0	8.0	80.0	3727.9	2.0	13.2	546.2	48.7	555.0	53.7	154.8	98.5	160.2	173.5	1.8	10.1	1.2	262.2	293.5	247.7	14.5
SMDH 00716	812659.05	8196290.64	164.40	8.0	9.0	80.0	6631.4	3.9	19.9	1532.5	65.9	761.8	122.7	353.5	225.0	365.8	396.1	3.5	14.8	1.2	456.0	497.4	436.8	19.2
SMDH 00716	812659.05	8196290.64	164.40	9.0	10.0	80.0	5322.9	3.2	15.0	1444.9	46.3	297.3	76.7	221.0	140.7	228.7	247.7	3.0	10.5	1.2	356.2	384.3	341.9	14.3
SMDH 00716	812659.05	8196290.64	164.40	10.0	11.0	80.0	4368.3	2.4	12.9	1117.7	64.7	313.1	72.2	207.9	132.3	215.1	233.0	2.2	9.2	1.3	356.0	394.3	335.3	20.7
SMDH 00716	812659.05	8196290.64	164.40	11.0	12.0	80.0	5758.3	3.5	15.5	1713.3	50.8	338.1	62.5	180.0	114.6	186.3	201.8	3.2	10.8	1.2	473.8	504.3	458.4	15.3
SMDH 00716	812659.05	8196290.64	164.40	12.0	13.0	80.0	8147.4	4.9	24.5	1886.6	118.6	784.7	145.0	417.7	265.9	432.2	468.1	4.4	18.3	1.3	585.4	656.0	547.0	38.4
SMDH 00716	812659.05	8196290.64	164.40	13.0	14.0	80.0	4900.0	2.5	15.1	1206.5	88.4	412.8	72.5	208.8	132.9	216.1	234.0	2.3	11.2	1.3	531.8	584.0	503.7	28.2
SMDH 00717	812854.10	8196286.08	165.87	0.0	1.0	20.0	7606.9	4.7	24.0	1667.1	47.8	583.5	129.3	372.4	237.0	385.4	417.3	4.3	18.2	1.1	252.9	282.8	238.3	14.6
SMDH 00717	812854.10	8196286.08	165.87	1.0	2.0	80.0	14623.8	10.4	23.1	6915.2	25.7	192.8	63.2	181.9	115.8	188.3	203.9	9.6	12.3	0.5	75.6	92.0	68.6	7.0
SMDH 00717	812854.10	8196286.08	165.87	2.0	3.0	80.0	10740.7	7.6	29.9	2905.3	39.3	161.3	88.7	255.6	162.7	264.5	286.4	7.2	21.5	0.8	86.2	110.6	74.7	11.5
SMDH 00717	812854.10	8196286.08	165.87	3.0	4.0	80.0	9053.5	6.7	29.7	1535.9	37.5	149.4	129.7	373.5	237.8	386.5	418.6	6.3	22.0	1.1	73.9	96.4	62.4	11.5
SMDH 00717	812854.10	8196286.08	165.87	4.0	5.0	80.0	9767.2	7.4	30.3	1882.2	44.5	169.5	120.4	346.8	220.7	358.9	388.6	7.0	22.0	1.0	117.1	145.7	104.6	12.4
SMDH 00717	812854.10	8196286.08	165.87	5.0	6.0	80.0	7572.3	5.0	20.1	2248.4	74.6	83.2	87.0	250.6	159.5	259.3	280.8	4.7	13.9	1.1	373.0	419.7	349.6	23.5
SMDH 00717	812854.10	8196286.08	165.87	6.0	7.0	80.0	5743.7	3.8	18.1	1196.3	25.5	151.0	116.7	336.0	213.9	347.8	376.6	3.5	13.1	1.2	118.5	134.1	111.0	7.6
SMDH 00717	812854.10	8196286.08	165.87	7.0	8.0	80.0	7788.2	5.1	23.0	1958.0	74.8	82.2	119.3	343.7	218.8	355.6	385.1	4.7	16.6	1.3	312.1	360.6	290.5	21.6
SMDH 00717	812854.10	8196286.08	165.87	8.0	9.0	80.0	7945.7	5.2	22.3	2149.9	66.4	255.4	107.5	309.7	197.2	320.5	347.1	4.8	16.0	1.1	326.4	369.2	307.6	18.8
SMDH 00717	812854.10	8196286.08	165.87	9.0	10.0	80.0	8759.4	6.3	29.4	1440.7	50.9	114.4	128.2	369.2	235.0	382.1	413.8	6.0	22.0	1.1	118.4	151.0	103.7	14.7
SMDH 00717	812854.10	8196286.08	165.87	10.0	11.0	80.0	6348.2	3.9	25.1	652.3	31.2	165.3	112.8	324.8	206.7	336.1	364.0	3.7	20.0	1.3	114.6	134.0	105.4	9.1
SMDH 00717	812854.10	8196286.08	165.87	11.0	11.5	80.0	8174.0	5.7	22.9	2165.8	50.9	114.4	85.8	247.1	157.3	255.7	276.9	5.3	16.1	1.1	150.6	184.2	136.6	14.0
SMDH 00733	813001.10	8196585.81	164.74	0.0	1.0	20.0	4754.3	2.2	12.7	1235.7	70.0	1699.9	72.2	208.0	132.4	215.3	233.1	1.8	9.5	0.9	660.1	703.3	639.6	20.5
SMDH 00733	813001.10	8196585.81	164.74	1.0	2.0	80.0	4904.9	2.1	12.1	1524.5	77.1	1759.6	64.3	185.3	118.0	191.8	207.7	1.7	9.1	0.9	865.5	912.5	842.5	23.0
SMDH 00733	813001.10	8196585.81	164.74	2.0	3.0	80.0	5492.8	3.1	12.4	2006.3	46.9	696.8	57.5	165.7	105.5	171.5	185.7	2.7	8.3	1.0	675.5	703.7	662.3	13.2
SMDH 00733	813001.10	8196585.81	164.74	3.0	4.0	80.0	6959.9	4.6	14.8	2622.8	20.4	380.9	69.2	199.3	126.8	206.2	223.3	4.2	9.2	1.0	458.4	469.4	452.9	5.5
SMDH 00733	813001.10	8196585.81	164.74	4.0	5.0	80.0	3842.3	2.6	9.2	1193.0	10.0	244.0	34.1	98.2	62.5	101.6	110.0	2.4	5.4	1.1	95.7	101.4	93.2	2.6
SMDH 00733	813001.10	8196585.81	164.74	5.0	6.0	80.0	5192.2	3.4	13.0	1539.8	14.0	445.6	70.8	203.8	129.7	210.9	228.4	3.1	8.4	1.2	216.4	224.5	213.0	3.5
SMDH 00733	813001.10	8196585.81	164.74	6.0	7.0	80.0	5594.7	3.6	15.5	1393.3	28.7	612.4	68.8	198.2	126.2	205.1	222.1	3.3	10.7	1.2	260.2	276.8	251.9	8.3
SMDH 00733	813001.10	8196585.81	164.74	7.0	8.0	80.0	2738.3	1.7	8.7	508.5	7.3	200.5	37.9	109.2	69.5	113.0	122.3	1.6	5.8	1.2	59.9	64.1	57.9	2.0
SMDH 00733	813001.10	8196585.81	164.74	8.0	9.0	80.0	3433.8	2.1	11.1	588.6	17.3	477.1	47.3	136.4	86.8	141.1	152.8	1.9	7.8	1.2	68.5	79.2	63.8	4.6
SMDH 00733	813001.10	8196585.81	164.74	9.0	10.0	80.0	6354.8	4.3	17.7	1616.5	37.6	443.4	68.6	197.5	125.7	204.4	221.4	4.0	12.4	1.1	232.8	255.5	221.7	11.0
SMDH 00733	813001.10	8196585.81	164.74	10.0	11.0	80.0	5654.8	3.5	16.2	1437.3	38.6	511.7	80.3	231.2	147.2	239.2	259.1	3.2	11.4	1.3	344.7	367.6	333.3	11.4
SMDH 00733	813001.10	8196585.81	164.74	11.0	12.0	80.0	5693.3	3.3	18.5	1182.5	32.1	490.2	93.1	268.2	170.7	277.5	300.5	3.0	13.9	1.4	402.7	421.5	393.3	9.4
SMDH 00733	813001.10	8196585.81	164.74	12.0	13.0	80.0	5816.3	3.3	17.7	1384.7	38.2	684.8	85.7	246.8	157.1	255.4	276.6	3.0	13.2	1.3	482.1	505.0	471.2	11.0
SMDH 00732	812731.27	8196581.79	165.49	0.0	1.0	50.0	4422.6	2.5	13.5	959.8	44.2	805.6	67.3	193.8	123.4	200.6	217.2	2.2	10.0	1.0	332.3	359.9	319.5	12.8
SMDH 00732	812731.27	8196581.79	165.49	1.0	2.0	80.0	2623.2	1.4	9.1	370.6	21.9	526.5	46.0	132.5	84.3	137.1	148.4	1.3	6.9	0.7	165.2	178.2	158.4	6.8
SMDH 00732	812731.27	8196581.79	165.49	2.0	3.0	80.0	4262.8	2.5	12.7	941.8	20.4	662.2	78.3	225.6	143.6	233.4	252.8	2.2	9.2	1.1	235.6	248.0	230.0	5.6
SMDH 00732	812731.27	8196581.79	165.49	3.0	4.0	80.0	3854.7	2.3	11.0	937.2	17.8	562.1	60.6	174.6	111.1	180.7	195.7	2.1	7.7	1.0	157.4	168.3	152.6	4.8
SMDH 00732	812731.27	8196581.79	165.49	4.0	5.0	80.0	2846.0	1.5	9.4	470.3	27.8	575.9	57.6	166.0	105.7	171.8	186.0	1.3	6.9	1.0	211.2	228.5	203.3	7.9
SMDH 00732	812731.27	8196581.79	165.49	5.0	6.0	80.0	5868.5	3.9	14.1	1851.2	35.8	381.3	72.7	209.3	133.2	216.6	234.6	3.6	8.9	1.3	232.9	254.9	223.2	9.7
SMDH 00732	812731.27	8196581.79	165.49	6.0	7.0	80.0	5469.0	3.4	15.6	1314.1	32.2	587.9	93.1	268.1	170.6	277.4	300.4	3.1	10.7	1.5	275.1	294.6	266.0	9.1
SMDH 00732	812731.27	8196581.79	165.49	7.0	7.8	80.0	4604.1	2.6	15.3	815.6	26.2	592.1	87.0	250.7	159.6	259.4	280.9	2.3	11.3	1.4	291.4	307.8	284.6	6.9
SMDH 00732	812731.27	8196581.79	165.49	7.8	8.0	80.0	4604.1	2.6	15.3	815.6	26.2	592.1	87.0	250.7	159.6	259.4	280.9	2.3	11.3	1.4	291.4	307.8	284.6	6.9
SMDH 00748	812651.92	8196857.52	166.35	0.0	1.0	50.0	4036.3	2.3	12.6	835.9	40.8	460.4	67.2	193.6	123.2	200.3	216.9	2.1	9.0	1.3	281.9	307.0	270.0	11.9
SMDH 00748	812651.92	8196857.52	166.35	1.0	2.0	80.0	5143.4	3.1	13.9	1384.1	68.3	563.8	72.9	210.0	133.7	217.3	235.4	2.8	9.5	1.2	281.9	325.9	263.2	18.6
SMDH 00748	812651.92	8196857.52	166.35	2.0	3.0	80.0	5420.0	3.2	15.4	1351.9	81.9	558.3	85.6	246.6	157.0	255.2	276.4	2.9	10.8	1.4	396.6	448.2	372.7	23.9
SMDH 00748	812651.92	8196857.52	166.35	3.0	4.0	80.0	4080.3	2.2	14.0	625.9	47.7	548.0	84.9	244.6	155.7	253.1	274.1	2.0	10.4	1.4	280.7	310.5	266.7	14.0
SMDH 00748	812651.92	8196857.52	166.35	4.0	5.0	80.0	4214.5	2.4	14.0	708.7	49.2	496.6	80.1	230.6	146.8	238.7	258.5	2.2	10.1	1.4	243.5	274.8	229.3	14.1
SMDH 00748	812651.92	8196857.52	166.35	5.0	6.0	80.0	4414.4	2.4	14.7	758.8	69.1	561.7	86.7	249.7	159.0	258.4	279.9	2.2	10.9	1.4	368.6	411.2	347.6	21.0
SMDH 00748	812651.92	8196857.52	166.35	6.0	6.1	80.0	4414.4	2.4	14.7	758.8	69.1	561.7	86.7	249.7	159.0	258.4	279.9	2.2	10.9	1.4	368.6	411.2	347.6	21.0
SMDH 00749	812878.37	8196844.48	168.70	0.0	1.0	20.0	5002.7	2.4	18.5	721.0	46.6	788.1	83.1	239.4	152.4	247.8	268.3	2.2	14.6	1.5	415.0	443.7	401.4	13.5
SMDH 00749	812878.37	8196844.48	168.70	1.0	2.0	80.0	5700.6	3.4	17.6	1304.6	51.9	399.7	83.3	240.0	152.8	248.4	268.9	3.1	12.8	1.4	231.4	264.5	216.5	14.9
SMDH 00749	812878.37	8196844.48	168.70	2.0	3.0	80.0	8233.2	5.4	19.1	2804.7	84.1	457.1	72.3	208.2	132.5	215.4	233.3	5.0	12.6	1.2	404.4	456.7	379.4	25.1
SMDH 00749	812878.37	8196844.48	168.70	3.0	4.0	80.0	5404.5	3.4	15.1	1430.7	32.1	410.3	72.8	209.7	133.5	217.0	235.0	3.1	10.5	1.2	286.4	305.5	276.7	9.7
SMDH 00749	812878.37	8196844.48	168.70	4.0	5.0	80.0	5485.5	3.4	16.3	1291.5	44.9	474.3	73.5	211.6	134.7	219.0	237.1	3.1	11.6	1.3	316.7	344.4	303.5	13.3
SMDH 00749	812878.37	8196844.48	168.70	5.0	6.0	80.0	5256.9	3.1	17.2	1005.7	43.4	518.6	82.6	238.0	151.5	246.3	266.8	2.8	12.7	1.3	367.9	393.4	353.7	14.2
SMDH 00750	813156.69	8196867.00	167.28	0.0	1.0	20.0	4765.1	2.3	12.0	1477.6	72.5	1275.6	57.6	166.0	105.7	171.8	186.1	1.9	8.9	0.9	721.4	767.3	701.1	20.3
SMDH 00750	813156.69	8196867.00	167.28	1.0	2.0	80.0	4439.7	2.5	11.8	1274.5	35.0	526.5	54.9	158.2	100.7	163.7	177.3	2.3	8.0	1.3	266.4	287.8	256.7	9.7
SMDH 00750	813156.69	8196867.00	167.28	2.0	3.0	80.0	6600.5	4.4	13.9	2457.4	11.3	468.9	65.8	189.5	120.6	196.1	212.4	4.0	8.5	1.0	149.3	155.4	146.3	3.1
SMDH 00750	813156.69	8196867.00	167.28	3.0	4.0	80.0	5222.2	3.3	13.9	1394.3	9.9	643.9	74.7	215.2	137.0	222.7	241.2	3.0	9.4	1.2	100.0	105.2	97.3	2.7
SMDH 00750	813156.69	8196867.00	167.28	4.0	5.0	80.0	5885.7	3.6	19.2	999.0	15.6	887.6	117.8	339.2	215.9	351.0	380.1	3.3	14.3	1.3	131.9	140.6	127.3	4.5
SMDH 00750	813156.69	8196867.00	167.28	5.0	6.0	80.0	5123.6	2.9	15.2	1197.5	29.3	746.9	95.2	274.1	174.5	283.6	307.2	2.6	11.1	1.3	372.1	389.2	363.3	8.8
SMDH 00750	813156.69	8196867.00	167.28	6.0	7.0	80.0	5524.4	3.1	17.0	1250.4	47.5	736.3	91.0	262.2	166.9	271.4	293.8	2.8	12.7	1.3	455.4	483.8	441.0	14.4
SMDH 00766	813300.88	8197154.39	171.70	0.0	1.0	20.0	3861.8	1.8	11.6	909.8	50.0	1058.2	65.1	187.5	119.3	194.0	210.1	1.5	8.9	0.9	539.2	570.4	524.9	14.3
SMDH 00766	813300.88	8197154.39	171.70	1.0	2.0	80.0	5236.4	2.8	18.5	876.3	52.0	504.7	99.0	285.2	181.5	295.1	319.6	2.5	14.2	1.5	446.6	479.1	431.3	15.3
SMDH 00766	813300.88	8197154.39	171.70	2.0	3.0	80.0	4689.5	2.5	14.5	1055.5	33.1	657.5	86.5	249.1	158.6	257.8	279.2	2.3	10.7	1.3	373.2	393.4	363.7	9.5
SMDH 00766	813300.88	8197154.39	171.70	3.0	4.0	80.0	4721.9	2.5	13.8	1190.6	36.6	737.2	81.4	234.4	149.2	242.6	262.7	2.2	10.1	1.2	433.9	455.7	422.9	11.0
SMDH 00766	813300.88	8197154.39	171.70	4.0	5.0	80.0	5804.4	3.5	14.4	1839.7	20.2	712.8	83.3	239.9	152.7	248.3	268.9	3.1	9.7	1.2	251.9	263.7	246.1	5.8
SMDH 00766	813300.88	8197154.39	171.70	5.0	6.0	80.0	5577.4	3.3	15.2	1529.7	28.8	706.1	90.3	260.2	165.6	269.3	291.6	3.0	10.6	1.2	256.6	274.0	248.3	8.3
SMDH 00766	813300.88	8197154.39	171.70	6.0	6.5	80.0	5900.7	3.4	15.0	1870.6	37.0	651.6	78.4	225.9	143.8	233.8	253.2	3.1	10.3	1.2	379.4	402.3	369.1	10.3
SMDH 00765	813011.44	8197150.42	171.21	0.0	1.0	60.0	6301.1	3.3	18.3	1665.6	61.6	1102.1	82.1	236.5	150.5	244.7	265.0	2.9	13.7	1.3	758.4	795.5	740.1	18.3
SMDH 00765	813011.44	8197150.42	171.21	1.0	2.0	80.0	10071.7	6.7	18.6	4384.7	24.7	377.5	66.2	190.7	121.4	197.4	213.8	6.1	11.0	1.0	288.7	303.2	281.5	7.2
SMDH 00765	813011.44	8197150.42	171.21	2.0	3.0	80.0	8471.0	5.7	15.8	3557.8	24.1	417.6	64.7	186.5	118.7	193.0	209.0	5.2	9.1	1.0	296.3	310.1	289.3	7.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00765	813011.44	8197150.42	171.21	3.0	4.0	80.0	7446.6	5.4	14.0	2962.8	20.7	264.2	48.5	139.8	89.0	144.7	156.7	5.0	7.6	0.9	210.8	222.0	204.7	6.0
SMDH 00765	813011.44	8197150.42	171.21	4.0	5.0	80.0	6996.5	4.9	17.7	2021.2	26.9	349.5	74.0	213.3	135.8	220.7	239.0	4.6	11.7	1.1	296.4	312.0	289.0	7.3
SMDH 00765	813011.44	8197150.42	171.21	5.0	6.0	80.0	6736.5	4.5	17.5	1913.6	41.7	466.5	75.9	218.5	139.1	226.1	244.9	4.2	11.7	1.2	375.7	401.0	363.6	12.0
SMDH 00765	813011.44	8197150.42	171.21	6.0	7.0	80.0	6103.8	3.8	17.7	1525.0	41.2	487.1	85.7	246.8	157.1	255.4	276.6	3.5	12.6	1.3	436.3	460.0	423.6	12.7
SMDH 00765	813011.44	8197150.42	171.21	7.0	8.0	80.0	5816.5	3.4	18.5	1190.1	34.7	599.1	94.3	271.7	173.0	281.2	304.5	3.1	13.7	1.4	389.5	409.9	379.2	10.3
SMDH 00765	813011.44	8197150.42	171.21	8.0	9.0	80.0	4643.7	2.7	14.8	910.9	33.2	558.0	96.0	276.6	176.0	286.2	309.9	2.4	10.6	1.5	335.0	354.7	324.8	10.2
SMDH 00765	813011.44	8197150.42	171.21	9.0	10.0	80.0	6082.8	3.7	20.3	1112.9	39.2	447.3	85.6	246.4	156.9	255.0	276.2	3.5	15.3	1.4	328.9	352.3	316.7	12.2
SMDH 00765	813011.44	8197150.42	171.21	10.0	11.0	80.0	5789.9	3.4	19.3	991.6	56.9	727.8	95.7	275.6	175.4	285.2	308.9	3.1	14.3	1.5	337.2	371.8	319.8	17.4
SMDH 00765	813011.44	8197150.42	171.21	11.0	11.5	80.0	6481.8	3.8	22.9	987.7	51.3	537.9	107.0	308.1	196.1	318.9	345.3	3.5	17.4	1.7	331.4	364.1	317.0	14.4
SMDH 00764	812741.93	8197163.94	167.93	0.0	1.0	20.0	5021.8	2.8	19.1	529.8	47.5	711.7	93.5	269.3	171.4	278.7	301.8	2.5	15.1	1.2	274.3	304.6	260.6	13.7
SMDH 00764	812741.93	8197163.94	167.93	1.0	2.0	80.0	6486.6	4.1	17.4	1904.1	52.9	304.6	85.6	246.6	157.0	255.2	276.4	3.8	12.4	1.0	252.7	287.7	238.5	14.2
SMDH 00764	812741.93	8197163.94	167.93	2.0	3.0	80.0	8262.5	5.4	25.5	1723.8	126.4	409.7	171.7	494.5	314.8	511.8	554.2	4.9	19.0	1.2	322.8	407.8	288.1	34.6
SMDH 00764	812741.93	8197163.94	167.93	3.0	4.0	80.0	6824.2	4.6	19.7	1656.5	46.0	263.7	114.9	330.9	210.7	342.5	370.9	4.3	14.0	1.1	198.5	227.7	185.2	13.2
SMDH 00764	812741.93	8197163.94	167.93	4.0	5.0	80.0	6447.2	4.1	20.0	1379.4	38.3	389.6	86.4	248.8	158.4	257.5	278.9	3.9	14.5	1.4	219.0	242.9	208.1	10.9
SMDH 00764	812741.93	8197163.94	167.93	5.0	6.0	80.0	7210.9	4.8	23.2	1418.1	43.9	227.2	93.6	269.6	171.6	279.1	302.2	4.6	17.1	1.3	224.6	252.0	211.4	13.2
SMDH 00764	812741.93	8197163.94	167.93	6.0	7.0	80.0	10360.0	7.3	25.4	3370.9	46.4	64.9	98.5	283.7	180.6	293.6	318.0	6.8	17.0	1.1	115.1	146.8	104.4	10.7
SMDH 00764	812741.93	8197163.94	167.93	7.0	8.0	80.0	8046.7	5.5	21.7	2280.4	27.2	249.0	61.1	176.1	112.1	182.2	197.3	5.2	14.9	1.2	59.6	77.1	52.4	7.2
SMDH 00764	812741.93	8197163.94	167.93	8.0	9.0	80.0	8092.2	5.5	20.7	2535.6	29.2	84.3	53.7	154.6	98.4	160.0	173.2	5.2	13.9	1.2	58.4	76.9	50.3	8.1
SMDH 00764	812741.93	8197163.94	167.93	9.0	10.0	80.0	7800.2	5.3	21.6	2137.6	51.4	102.2	81.0	233.3	148.5	241.4	261.5	5.0	15.0	1.3	91.2	124.9	77.4	13.7
SMDH 00764	812741.93	8197163.94	167.93	10.0	11.0	80.0	6649.3	4.5	24.3	826.6	49.5	160.8	103.9	299.3	190.5	309.7	335.4	4.3	18.8	1.1	108.2	141.0	94.4	13.8
SMDH 00764	812741.93	8197163.94	167.93	11.0	11.6	80.0	7018.0	4.7	24.8	1077.8	34.4	143.0	73.4	211.4	134.6	218.8	236.9	4.5	19.0	1.1	74.2	95.8	63.9	10.3
SMDH 00780	812889.44	8197363.45	168.54	0.0	1.0	20.0	6006.7	3.4	19.4	1061.1	75.8	1259.3	108.0	311.1	198.0	321.9	348.6	3.0	14.9	1.2	458.4	505.8	436.0	22.4
SMDH 00780	812889.44	8197363.45	168.54	1.0	2.0	80.0	4490.9	2.6	15.0	783.5	36.2	537.8	73.1	210.7	134.1	218.0	236.1	2.4	11.3	1.1	294.3	316.9	284.1	10.2
SMDH 00780	812889.44	8197363.45	168.54	2.0	3.0	80.0	6876.7	4.3	21.2	1576.1	20.6	510.2	73.2	210.8	134.2	218.2	236.3	4.0	15.6	1.3	258.7	270.5	252.6	6.2
SMDH 00780	812889.44	8197363.45	168.54	3.0	4.0	80.0	5425.3	3.7	13.2	1620.5	20.0	367.5	59.5	171.4	109.1	177.3	192.0	3.5	8.2	1.3	217.0	228.4	211.3	5.7
SMDH 00780	812889.44	8197363.45	168.54	4.0	5.0	80.0	5704.4	3.9	21.1	584.2	29.2	311.2	56.4	162.5	103.5	168.2	182.2	3.7	15.9	1.3	212.0	229.9	203.5	8.5
SMDH 00780	812889.44	8197363.45	168.54	5.0	6.0	80.0	5621.3	3.7	21.0	586.4	27.8	347.3	62.4	179.8	114.5	186.1	201.5	3.6	16.0	1.3	231.2	248.1	223.0	8.2
SMDH 00780	812889.44	8197363.45	168.54	6.0	7.0	80.0	4052.7	2.3	13.8	675.3	21.1	443.6	65.3	188.0	119.7	194.6	210.7	2.1	10.2	1.3	256.4	268.9	250.2	6.2
SMDH 00780	812889.44	8197363.45	168.54	7.0	8.0	80.0	5034.6	2.8	18.8	650.5	33.5	523.7	83.4	240.3	152.9	248.7	269.3	2.6	14.6	1.4	300.0	320.1	289.9	10.1
SMDH 00780	812889.44	8197363.45	168.54	8.0	9.0	80.0	5279.9	2.9	19.8	654.0	42.3	557.8	87.9	253.0	161.1	261.9	283.6	2.7	15.5	1.4	352.5	378.1	340.0	12.5
SMDH 00780	812889.44	8197363.45	168.54	9.0	10.0	80.0	5077.9	3.0	16.7	975.7	39.1	466.7	82.7	238.1	151.6	246.4	266.8	2.7	12.4	1.3	286.3	311.1	275.6	10.7
SMDH 00780	812889.44	8197363.45	168.54	10.0	10.0	80.0	5077.9	3.0	16.7	975.7	39.1	466.7	82.7	238.1	151.6	246.4	266.8	2.7	12.4	1.3	286.3	311.1	275.6	10.7
SMDH 00782	813446.56	8197418.25	175.06	0.0	1.0	30.0	6603.4	3.6	26.2	695.6	37.0	1067.9	53.1	153.0	97.4	158.4	171.5	3.4	22.0	0.6	379.7	402.6	369.0	10.7
SMDH 00782	813446.56	8197418.25	175.06	1.0	2.0	80.0	5157.7	2.5	19.2	704.2	48.2	817.4	102.1	293.9	187.1	304.2	329.4	2.2	15.2	1.6	426.0	455.3	411.6	14.3
SMDH 00782	813446.56	8197418.25	175.06	2.0	3.0	80.0	4774.4	2.6	16.5	715.3	56.3	653.0	100.7	290.1	184.7	300.2	325.1	2.4	12.3	1.6	278.1	314.2	262.5	15.6
SMDH 00782	813446.56	8197418.25	175.06	3.0	4.0	80.0	5251.1	3.1	17.0	850.0	58.1	941.9	99.9	287.7	183.1	297.7	322.4	2.8	12.6	1.3	238.9	275.1	221.9	17.0
SMDH 00782	813446.56	8197418.25	175.06	4.0	5.0	80.0	5161.4	3.1	14.6	1269.6	42.5	692.2	76.5	220.4	140.3	228.0	246.9	2.8	10.2	1.3	240.2	266.8	228.0	12.2
SMDH 00782	813446.56	8197418.25	175.06	5.0	6.0	80.0	6604.8	3.9	16.5	2087.8	71.0	730.9	87.1	250.8	159.6	259.5	281.1	3.5	11.3	1.2	542.4	586.1	521.7	20.7
SMDH 00782	813446.56	8197418.25	175.06	6.0	6.8	80.0	5913.2	3.3	14.8	1985.5	54.2	527.0	74.8	215.4	137.1	223.0	241.4	3.0	10.2	1.2	621.2	654.4	605.9	15.2
SMDH 00783	813714.65	8197410.71	173.16	0.0	1.0	20.0	6688.3	3.7	20.9	1268.1	91.4	1514.8	105.9	305.1	194.2	315.8	341.9	3.3	16.0	1.2	588.4	645.3	561.1	27.3
SMDH 00783	813714.65	8197410.71	173.16	1.0	2.0	20.0	3886.1	2.2	11.4	891.5	21.1	534.5	66.6	191.8	122.1	198.5	215.0	2.0	7.8	1.3	123.7	136.8	118.0	5.8
SMDH 00783	813714.65	8197410.71	173.16	2.0	2.8	20.0	3962.2	2.3	11.1	1011.3	12.3	457.4	63.9	184.1	117.2	190.5	206.3	2.1	7.5	1.3	105.6	112.7	102.4	3.2
SMDH 00767	813572.38	8197127.25	175.55	0.0	1.0	50.0	5194.8	2.7	18.3	778.8	58.5	942.4	98.2	282.7	180.0	292.6	316.8	2.4	14.2	1.4	442.5	479.2	425.4	17.0
SMDH 00767	813572.38	8197127.25	175.55	1.0	2.0	80.0	4489.3	2.6	14.3	921.4	36.2	474.8	75.1	216.2	137.6	223.7	242.2	2.3	10.5	1.3	243.8	266.4	233.6	10.2
SMDH 00767	813572.38	8197127.25	175.55	2.0	3.0	80.0	4516.7	2.6	12.5	1268.7	27.3	423.1	70.8	203.9	129.8	211.0	228.5	2.3	8.7	1.3	315.8	332.5	308.3	7.5
SMDH 00767	813572.38	8197127.25	175.55	3.0	4.0	80.0	6497.4	3.8	19.2	1571.9	81.3	762.4	105.3	303.2	193.0	313.8	339.8	3.4	14.1	1.3	539.7	591.7	517.2	22.5
SMDH 00767	813572.38	8197127.25	175.55	4.0	5.0	80.0	6160.8	3.6	17.7	1524.5	78.4	705.1	98.3	283.1	180.2	292.9	317.2	3.3	12.8	1.3	416.3	467.2	395.2	21.1
SMDH 00767	813572.38	8197127.25	175.55	5.0	6.0	80.0	6053.0	3.5	17.7	1498.6	68.3	743.2	96.1	276.9	176.2	286.5	310.3	3.1	13.0	1.3	473.9	516.5	454.2	19.7
SMDH 00767	813572.38	8197127.25	175.55	6.0	7.0	80.0	4383.5	2.5	12.3	1151.0	34.0	503.5	68.9	198.4	126.3	205.3	222.3	2.2	8.5	1.3	264.2	285.3	254.7	9.5
SMDH 00767	813572.38	8197127.25	175.55	7.0	8.0	80.0	5299.2	3.1	15.9	1146.2	53.5	883.6	83.8	241.3	153.6	249.8	270.5	2.8	11.5	1.3	300.4	333.3	284.3	16.1
SMDH 00767	813572.38	8197127.25	175.55	8.0	9.0	80.0	5881.7	3.5	18.0	1266.0	77.3	680.5	88.9	256.2	163.1	265.1	287.1	3.2	13.3	1.3	353.2	402.3	331.4	21.8
SMDH 00767	813572.38	8197127.25	175.55	9.0	9.3	80.0	5451.8	3.2	16.3	1293.5	51.7	565.4	83.0	239.0	152.2	247.4	267.9	2.9	11.8	1.3	359.4	392.3	345.4	14.0
SMDH 00804	815525.17	8197712.05	177.52	0.0	1.0	50.0	4554.6	2.7	15.5	734.7	41.1	666.4	78.3	225.6	143.6	233.4	252.8	2.4	11.9	0.9	240.1	265.7	228.0	12.1
SMDH 00804	815525.17	8197712.05	177.52	1.0	2.0	80.0	4730.8	2.8	17.5	571.1	45.4	484.1	93.3	268.7	171.0	278.1	301.1	2.6	13.6	1.1	237.1	265.7	223.6	13.5
SMDH 00804	815525.17	8197712.05	177.52	2.0	3.0	80.0	2353.3	1.4	9.0	238.3	16.4	276.3	33.1	95.3	60.7	98.6	106.8	1.3	7.1	0.5	110.5	120.6	105.5	5.0
SMDH 00804	815525.17	8197712.05	177.52	3.0	4.0	80.0	2912.8	1.8	11.0	322.1	23.4	205.5	38.9	112.0	71.3	115.9	125.5	1.7	8.6	0.6	135.7	150.7	129.4	6.4
SMDH 00804	815525.17	8197712.05	177.52	4.0	5.0	80.0	4028.3	2.3	14.9	511.4	40.0	409.1	67.8	195.4	124.4	202.2	219.0	2.1	11.5	1.1	237.2	262.3	225.4	11.8
SMDH 00804	815525.17	8197712.05	177.52	5.0	6.0	80.0	4788.9	2.7	16.7	695.0	48.4	742.1	101.7	292.9	186.5	303.2	328.3	2.4	12.8	1.2	331.9	362.0	317.9	14.0
SMDH 00804	815525.17	8197712.05	177.52	6.0	7.0	80.0	4145.4	2.5	11.2	1138.5	30.6	401.9	54.5	156.9	99.9	162.4	175.9	2.3	7.5	1.1	222.0	240.6	213.0	9.0
SMDH 00804	815525.17	8197712.05	177.52	7.0	8.0	80.0	6275.2	3.7	21.5	895.0	57.5	1062.2	143.9	414.3	263.8	428.8	464.3	3.3	16.6	1.3	264.4	300.3	247.2	17.2
SMDH 00804	815525.17	8197712.05	177.52	8.0	9.0	80.0	5724.1	3.2	18.1	1229.0	47.4	748.1	100.8	290.3	184.8	300.5	325.4	2.9	13.7	1.2	437.1	466.6	423.2	13.9
SMDH 00804	815525.17	8197712.05	177.52	9.0	10.0	80.0	7123.3	4.2	20.3	1851.5	43.9	806.2	115.7	333.2	212.1	344.8	373.4	3.8	14.9	1.2	271.7	299.1	258.9	12.8
SMDH 00804	815525.17	8197712.05	177.52	10.0	11.0	80.0	5248.3	3.0	19.2	568.3	36.4	917.5	120.0	345.6	220.0	357.7	387.3	2.7	14.9	1.2	195.9	217.5	184.4	11.5
SMDH 00804	815525.17	8197712.05	177.52	11.0	12.0	80.0	4881.8	2.6	18.0	585.0	38.5	761.0	109.4	315.0	200.5	326.0	353.0	2.4	14.0	1.4	293.4	316.9	282.0	11.5
SMDH 00804	815525.17	8197712.05	177.52	12.0	13.0	80.0	4422.4	2.2	15.4	770.8	45.8	590.7	90.3	260.0	165.5	269.0	291.3	2.0	11.9	1.4	457.2	484.4	442.7	14.5
SMDH 00804	815525.17	8197712.05	177.52	13.0	14.0	80.0	4792.4	2.6	17.1	717.2	50.0	613.5	98.0	282.4	179.7	292.2	316.4	2.3	13.2	1.3	351.7	382.2	336.9	14.8
SMDH 00804	815525.17	8197712.05	177.52	14.0	15.0	80.0	4671.2	2.5	16.2	781.9	55.2	584.4	88.9	256.1	163.0	265.1	287.0	2.2	12.3	1.4	391.9	425.8	375.0	17.0
SMDH 00804	815525.17	8197712.05	177.52	15.0	16.0	80.0	4103.9	2.1	13.1	888.6	37.3	507.4	69.7	200.8	127.8	207.8	225.0	1.9	9.7	1.3	366.1	388.4	355.1	11.0
SMDH 00804	815525.17	8197712.05	177.52	16.0	17.0	80.0	4165.5	2.2	15.2	572.3	41.8	536.8	81.2	233.9	148.9	242.1	262.2	2.0	11.7	1.2	278.8	304.2	266.0	12.8
SMDH 00804	815525.17	8197712.05	177.52	17.0	17.5	80.0	3619.7	2.0	12.8	550.0	13.7	568.5	69.7	200.8	127.8	207.9	225.1	1.8	9.9	1.0	229.5	237.3	225.6	4.0
SMDH 00803	815241.30	8197706.45	178.05	0.0	1.0	50.0	5223.8	2.6	13.8	1501.1	67.4	1343.2	67.2	193.5	123.2	200.3	216.9	2.2	10.2	1.0	668.5	710.1	649.0	19.6
SMDH 00803	815241.30	8197706.45	178.05	1.0	2.0	80.0	4719.8	2.9	14.9	837.3	41.5	794.0	74.7	215.2	137.0	222.7	241.2	2.6	10.9	1.1	158.9	184.9	147.1	11.8
SMDH 00803	815241.30	8197706.45	178.05	2.0	3.0	80.0	4196.9	2.5	13.3	758.1	38.5	609.4	64.8	186.5	118.7	193.1	209.1	2.3	9.7	1.1	126.6	150.8	115.6	11.0
SMDH 00803	815241.30	8197706.45	178.05	3.0	4.0	80.0	4541.0	2.7	14.2	815.7	45.3	772.4	72.5	208.9	133.0	216.2	234.1	2.5	10.3	1.1	132.1	160.7	119.1	12.9
SMDH 00803	815241.30	8197706.45	178.05	4.0	5.0	80.0	4406.7	2.6	14.3	742.8	42.9	723.5	75.2	216.5	137.8	224.1	242.6	2.4	10.6	1.1	189.0	216.0	176.7	12.3
SMDH 00803	815241.30	8197706.45	178.05	5.0	6.0	80.0	3577.3	2.2	10.5	782.8	22.9	460.5	53.6	154.4	98.3	159.8	173.0	2.0	7.2	1.2	69.4	83.9	63.4	6.0

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00803	815241.30	8197706.45	178.05	6.0	7.0	80.0	4621.9	2.6	14.8	874.5	42.8	821.7	78.8	226.9	144.4	234.8	254.2	2.3	11.0	1.1	333.8	359.7	321.0	12.8
SMDH 00803	815241.30	8197706.45	178.05	7.0	8.0	80.0	3436.4	1.9	10.7	721.1	22.6	424.2	59.1	170.2	108.4	176.2	190.8	1.7	7.7	1.1	227.8	241.6	221.2	6.6
SMDH 00803	815241.30	8197706.45	178.05	8.0	9.0	80.0	4708.7	2.9	15.5	775.0	39.6	564.5	84.4	243.2	154.8	251.7	272.5	2.7	11.4	1.2	109.0	134.4	98.1	10.9
SMDH 00803	815241.30	8197706.45	178.05	9.0	10.0	80.0	4252.6	2.6	13.6	729.5	35.3	656.1	71.1	204.7	130.3	211.9	229.5	2.3	9.8	1.2	87.7	110.0	77.6	10.1
SMDH 00803	815241.30	8197706.45	178.05	10.0	11.0	80.0	4621.4	2.7	14.3	922.6	43.5	724.2	74.7	215.1	136.9	222.6	241.0	2.4	10.4	1.2	224.5	251.7	211.9	12.6
SMDH 00803	815241.30	8197706.45	178.05	11.0	11.3	50.0	5532.9	3.0	17.1	1264.8	61.1	704.5	92.6	266.7	169.8	276.0	298.9	2.7	12.8	1.3	545.9	583.5	527.9	18.0
SMDH 00802	814975.15	8197700.89	182.83	0.0	1.0	50.0	4858.1	2.3	16.7	814.7	58.7	1075.8	94.2	271.4	172.8	280.9	304.2	2.0	13.0	1.4	490.2	526.6	472.6	17.6
SMDH 00802	814975.15	8197700.89	182.83	1.0	2.0	80.0	5449.1	3.0	18.9	900.6	66.0	553.2	101.3	291.7	185.7	301.9	326.9	2.8	14.3	1.5	452.5	493.9	433.2	19.3
SMDH 00802	814975.15	8197700.89	182.83	2.0	3.0	80.0	5472.5	3.1	17.6	1051.3	76.0	706.5	96.0	276.6	176.1	286.3	310.0	2.8	13.1	1.4	460.9	508.8	438.9	22.0
SMDH 00802	814975.15	8197700.89	182.83	3.0	4.0	80.0	5543.5	3.1	15.6	1505.1	62.6	651.0	83.1	239.3	152.3	247.7	268.2	2.8	11.2	1.2	522.3	560.9	503.9	18.4
SMDH 00802	814975.15	8197700.89	182.83	4.0	5.0	80.0	5571.7	3.3	15.9	1362.1	51.9	641.8	99.8	287.4	183.0	297.5	322.1	3.0	11.3	1.3	334.0	366.2	319.1	15.0
SMDH 00802	814975.15	8197700.89	182.83	5.0	6.0	80.0	5368.9	3.1	15.9	1339.0	44.6	419.9	80.3	231.3	147.2	239.4	259.2	2.9	11.3	1.4	453.8	481.4	441.2	12.7
SMDH 00802	814975.15	8197700.89	182.83	6.0	7.0	80.0	5535.4	3.2	16.6	1300.7	48.4	613.8	84.2	242.6	154.5	251.1	271.9	2.9	12.1	1.3	452.4	482.0	438.3	14.1
SMDH 00802	814975.15	8197700.89	182.83	7.0	8.0	80.0	5502.8	3.2	18.8	910.1	51.0	585.7	103.0	296.5	188.8	306.9	332.3	2.9	14.1	1.4	409.7	440.5	394.4	15.3
SMDH 00802	814975.15	8197700.89	182.83	8.0	9.0	80.0	5903.3	3.5	17.9	1356.4	52.3	540.4	95.9	276.2	175.8	285.8	309.5	3.2	13.0	1.4	436.8	468.6	421.1	15.6
SMDH 00802	814975.15	8197700.89	182.83	9.0	10.0	80.0	5556.9	3.2	16.3	1369.5	31.1	653.1	94.7	272.8	173.7	282.4	305.8	2.9	11.7	1.3	385.3	403.6	376.1	9.2
SMDH 00802	814975.15	8197700.89	182.83	10.0	11.0	80.0	5310.2	3.0	15.8	1167.8	22.3	985.7	96.9	279.0	177.6	288.7	312.7	2.7	11.5	1.3	311.2	324.2	305.0	6.2
SMDH 00802	814975.15	8197700.89	182.83	11.0	12.0	80.0	5215.5	3.1	15.9	1093.9	19.4	817.2	96.4	277.6	176.7	287.3	311.1	2.8	11.5	1.2	212.6	223.8	207.1	5.5
SMDH 00802	814975.15	8197700.89	182.83	12.0	12.2	80.0	6414.4	3.7	19.9	1364.4	48.9	965.8	122.6	353.2	224.8	365.5	395.8	3.3	15.0	1.2	494.8	524.5	480.8	14.0
SMDH 00802	814975.15	8197700.89	182.83	12.2	13.0	80.0	6414.4	3.7	19.9	1364.4	48.9	965.8	122.6	353.2	224.8	365.5	395.8	3.3	15.0	1.2	494.8	524.5	480.8	14.0
SMDH 00802	814975.15	8197700.89	182.83	13.0	14.0	80.0	4206.5	2.0	13.5	837.5	45.3	1195.7	58.7	169.0	107.6	174.9	189.4	1.8	10.9	0.6	449.4	477.6	436.4	13.0
SMDH 00801	814716.08	8197702.44	178.15	0.0	1.0	50.0	4584.3	2.4	14.6	982.4	50.0	758.1	79.2	228.1	145.2	236.1	255.6	2.1	11.1	1.0	459.7	490.6	444.8	14.9
SMDH 00801	814716.08	8197702.44	178.15	1.0	2.0	80.0	7117.8	4.5	14.4	2849.7	42.3	509.6	66.0	190.0	120.9	196.6	212.9	4.0	9.0	1.0	305.5	332.3	293.8	11.8
SMDH 00801	814716.08	8197702.44	178.15	2.0	3.0	80.0	7051.0	4.5	12.1	3165.5	34.8	463.1	52.1	150.1	95.6	155.4	168.3	4.1	6.7	0.9	213.1	234.6	202.9	10.2
SMDH 00801	814716.08	8197702.44	178.15	3.0	4.0	80.0	4376.7	2.6	10.7	1404.2	24.5	457.3	53.8	154.9	98.6	160.3	173.6	2.3	7.0	1.1	219.7	234.5	212.5	7.2
SMDH 00801	814716.08	8197702.44	178.15	4.0	5.0	80.0	5248.0	3.3	14.4	1367.9	61.8	545.8	71.6	206.2	131.2	213.4	231.0	3.0	10.0	1.1	220.7	260.3	203.1	17.6
SMDH 00801	814716.08	8197702.44	178.15	5.0	6.0	80.0	4808.3	2.9	13.5	1214.9	53.8	534.0	66.7	192.0	122.2	198.7	215.1	2.7	9.4	1.1	201.4	235.2	185.6	15.8
SMDH 00800	814403.29	8197695.84	177.86	0.0	1.0	30.0	5367.6	2.9	20.8	535.0	39.2	788.7	97.3	280.3	178.4	290.1	314.1	2.7	16.5	1.4	278.6	302.1	266.4	12.2
SMDH 00800	814403.29	8197695.84	177.86	1.0	2.0	80.0	8729.8	5.7	17.3	3571.4	30.6	475.4	73.0	210.1	133.8	217.5	235.5	5.2	10.6	1.0	161.5	181.0	153.0	8.5
SMDH 00800	814403.29	8197695.84	177.86	2.0	3.0	80.0	7118.3	4.5	17.6	2293.5	34.9	565.7	77.6	223.5	142.3	231.3	250.5	4.1	12.1	1.1	211.4	232.9	201.2	10.2
SMDH 00800	814403.29	8197695.84	177.86	3.0	4.0	80.0	6722.0	4.2	18.8	1822.2	32.7	505.7	81.1	233.5	148.6	241.6	261.6	3.9	13.4	1.2	217.3	237.4	207.7	9.6
SMDH 00800	814403.29	8197695.84	177.86	4.0	5.0	80.0	6501.7	4.0	18.5	1726.1	33.0	524.9	80.8	232.8	148.2	241.0	260.9	3.7	13.3	1.2	260.9	280.8	251.2	9.7
SMDH 00800	814403.29	8197695.84	177.86	5.0	6.0	80.0	6433.6	3.9	19.3	1555.3	39.4	505.4	93.4	269.1	171.3	278.5	301.6	3.6	14.1	1.3	308.7	332.8	297.2	11.6
SMDH 00800	814403.29	8197695.84	177.86	6.0	7.0	80.0	6960.4	4.2	19.9	1843.3	43.6	630.9	97.0	279.3	177.8	289.1	313.1	3.8	14.4	1.3	384.8	410.9	372.0	12.7
SMDH 00800	814403.29	8197695.84	177.86	7.0	7.1	80.0	7416.3	4.5	18.7	2416.9	45.9	521.8	83.8	241.5	153.7	249.9	270.6	4.1	13.0	1.1	348.4	376.2	334.6	13.7
SMDH 00799	814145.46	8197667.69	174.25	0.0	1.0	40.0	5224.3	2.7	14.6	1438.7	73.8	975.0	74.5	214.6	136.6	222.1	240.5	2.3	10.8	1.1	623.3	669.5	601.7	21.7
SMDH 00799	814145.46	8197667.69	174.25	1.0	2.0	80.0	6698.7	4.0	16.6	2194.6	59.3	640.1	82.5	237.6	151.3	245.9	266.3	3.6	11.5	1.2	373.4	411.3	356.4	17.0
SMDH 00799	814145.46	8197667.69	174.25	2.0	3.0	80.0	6507.4	3.8	15.9	2167.6	64.8	680.6	85.7	246.8	157.1	255.4	276.6	3.4	10.9	1.2	424.3	466.4	406.6	17.8
SMDH 00799	814145.46	8197667.69	174.25	3.0	4.0	80.0	5685.0	3.2	15.7	1581.4	58.6	737.7	86.5	249.1	158.6	257.8	279.2	2.8	11.3	1.2	468.6	505.2	451.8	16.8
SMDH 00799	814145.46	8197667.69	174.25	4.0	5.0	80.0	5447.8	3.1	16.1	1349.2	45.5	638.8	91.9	264.8	168.6	274.0	296.8	2.8	11.8	1.2	393.4	421.6	380.3	13.2
SMDH 00799	814145.46	8197667.69	174.25	5.0	6.0	80.0	6091.5	3.4	16.3	1810.1	65.4	769.0	92.6	266.8	169.8	276.1	299.0	3.0	11.7	1.2	543.0	584.3	524.5	18.6
SMDH 00799	814145.46	8197667.69	174.25	6.0	7.0	80.0	5264.2	3.0	14.2	1522.2	33.9	703.4	83.7	241.0	153.4	249.5	270.1	2.6	10.0	1.2	371.0	392.2	361.8	9.2
SMDH 00817	814548.68	8197963.65	177.93	0.0	1.0	30.0	4383.7	2.3	13.5	1013.1	35.5	689.9	73.5	211.7	134.8	219.1	237.3	2.0	9.9	1.2	389.7	411.3	379.3	10.4
SMDH 00817	814548.68	8197963.65	177.93	1.0	2.0	80.0	4633.6	2.5	13.5	1193.3	34.3	636.2	76.5	220.5	140.3	228.2	247.1	2.2	9.7	1.3	412.2	432.9	402.5	9.7
SMDH 00817	814548.68	8197963.65	177.93	2.0	3.0	80.0	5238.8	3.0	16.1	1114.8	46.6	817.6	89.6	258.1	164.3	267.1	289.2	2.7	11.8	1.3	351.4	380.6	338.6	12.8
SMDH 00817	814548.68	8197963.65	177.93	3.0	4.0	80.0	4815.4	2.8	14.6	1047.0	38.5	721.3	80.6	232.2	147.8	240.3	260.2	2.5	10.6	1.3	281.4	304.7	269.9	11.5
SMDH 00817	814548.68	8197963.65	177.93	4.0	5.0	80.0	5814.3	3.5	14.1	1852.6	34.7	739.8	73.0	210.1	133.8	217.5	235.5	3.2	9.5	1.1	267.2	288.5	257.2	10.0
SMDH 00817	814548.68	8197963.65	177.93	5.0	6.0	80.0	6165.4	3.4	17.7	1590.1	73.5	814.5	99.2	285.8	182.0	295.8	320.3	3.1	13.0	1.3	584.0	631.1	563.7	20.3
SMDH 00817	814548.68	8197963.65	177.93	6.0	7.0	50.0	5703.1	3.2	16.8	1423.8	51.2	716.0	85.5	246.2	156.7	254.8	276.0	2.9	12.3	1.2	447.0	479.0	432.6	14.4
SMDH 00817	814548.68	8197963.65	177.93	7.0	8.0	80.0	6302.3	3.7	17.7	1681.5	58.3	697.8	96.0	276.4	176.0	286.1	309.8	3.3	12.8	1.2	475.2	511.8	458.9	16.2
SMDH 00817	814548.68	8197963.65	177.93	8.0	8.5	80.0	6371.2	3.6	17.8	1789.3	62.8	702.1	100.4	289.0	184.0	299.1	323.9	3.2	13.0	1.2	646.5	685.5	628.9	17.7
SMDH 00818	814837.92	8197975.09	182.59	0.0	1.0	50.0	6824.3	3.7	26.7	743.9	59.6	924.9	99.4	286.4	182.3	296.4	320.9	3.4	22.0	1.1	414.3	451.1	396.2	18.2
SMDH 00818	814837.92	8197975.09	182.59	1.0	2.0	80.0	6124.1	3.3	22.0	891.4	73.3	829.8	129.1	372.0	236.8	384.9	416.9	3.0	17.4	1.3	365.8	412.9	345.0	20.8
SMDH 00818	814837.92	8197975.09	182.59	2.0	3.0	80.0	7441.3	4.7	28.1	839.5	59.2	272.5	165.9	477.8	304.2	494.5	535.5	4.4	22.0	1.4	187.8	226.8	171.8	15.9
SMDH 00818	814837.92	8197975.09	182.59	3.0	4.0	80.0	10136.4	6.6	23.8	3478.0	50.2	540.7	132.5	381.5	242.8	394.8	427.5	6.1	16.0	1.2	179.8	212.9	166.8	13.0
SMDH 00818	814837.92	8197975.09	182.59	4.0	5.0	80.0	8274.0	5.3	23.7	1899.9	54.0	1037.7	173.2	498.9	317.6	516.3	559.1	4.8	17.0	1.3	266.2	300.9	251.5	14.7
SMDH 00818	814837.92	8197975.09	182.59	5.0	6.0	80.0	10314.7	7.6	30.6	2181.0	58.0	237.2	196.4	565.5	360.0	585.3	633.8	7.2	22.0	1.0	96.7	135.2	81.1	15.6
SMDH 00819	815109.14	8197972.18	185.49	0.0	1.0	50.0	7495.9	4.9	28.3	649.1	43.2	941.4	96.2	277.2	176.4	286.8	310.6	4.6	22.0	1.4	365.1	391.3	352.0	13.0
SMDH 00819	815109.14	8197972.18	185.49	1.0	2.0	80.0	5375.0	2.6	17.7	1099.4	86.3	777.8	92.9	267.6	170.3	276.9	299.9	2.3	13.6	1.5	560.5	616.5	536.2	24.3
SMDH 00819	815109.14	8197972.18	185.49	2.0	3.0	80.0	4900.8	2.8	15.1	1096.6	78.0	412.3	80.2	231.0	147.0	239.1	258.9	2.5	11.0	1.3	421.4	472.8	400.1	21.3
SMDH 00819	815109.14	8197972.18	185.49	3.0	4.0	80.0	5853.5	3.7	14.9	1799.7	57.7	366.8	72.1	207.6	132.2	214.9	232.7	3.4	10.0	1.2	385.9	423.1	370.1	15.7
SMDH 00819	815109.14	8197972.18	185.49	4.0	5.0	80.0	6407.5	3.9	15.6	2085.0	61.3	622.9	75.2	216.6	137.9	224.2	242.8	3.5	10.6	1.1	480.8	519.4	463.2	17.7
SMDH 00819	815109.14	8197972.18	185.49	5.0	5.5	80.0	6788.8	3.9	17.9	2055.7	67.4	741.7	93.0	267.9	170.6	277.3	300.3	3.5	12.8	1.2	591.8	634.6	573.1	18.6
SMDH 00820	815374.94	8197968.44	179.43	0.0	1.0	30.0	6463.1	3.5	24.4	801.1	45.6	914.2	104.1	299.8	190.8	310.3	336.0	3.2	19.5	1.4	362.8	390.3	348.5	14.3
SMDH 00820	815374.94	8197968.44	179.43	1.0	2.0	30.0	9579.4	6.6	30.0	2008.6	32.2	234.4	101.9	293.5	186.8	303.7	328.9	6.3	22.0	1.4	90.1	110.0	80.3	9.9
SMDH 00820	815374.94	8197968.44	179.43	2.0	3.0	80.0	10951.4	7.8	31.2	2771.9	34.1	121.7	95.2	274.2	174.5	283.8	307.3	7.4	22.0	1.4	73.8	95.7	64.2	9.6
SMDH 00820	815374.94	8197968.44	179.43	3.0	4.0	80.0	12268.6	8.7	29.8	4048.0	30.9	81.8	81.2	233.8	148.8	241.9	262.0	8.2	20.0	1.1	64.6	84.4	55.8	8.8
SMDH 00822	815966.24	8197965.95	179.29	0.0	1.0	30.0	5877.9	3.6	20.4	852.7	57.5	655.5	119.5	344.1	219.0	356.1	385.6	3.3	15.7	1.1	261.5	297.8	244.7	16.8
SMDH 00822	815966.24	8197965.95	179.29	1.0	2.0	80.0	2978.1	1.8	10.8	385.0	21.9	351.3	38.8	111.7	71.1	115.6	125.1	1.7	8.4	0.5	138.1	151.8	131.7	6.4
SMDH 00822	815966.24	8197965.95	179.29	2.0	3.0	80.0	5154.9	3.0	18.4	699.4	58.8	631.6	100.5	289.5	184.3	299.6	324.4	2.7	14.3	1.2	281.8	319.7	265.1	16.7
SMDH 00822	815966.24	8197965.95	179.29	3.0	4.0	80.0	4975.7	3.0	15.8	1001.5	44.6	591.8	75.2	216.5	137.8	224.0	242.6	2.7	11.8	1.0	297.2	325.2	284.3	12.8
SMDH 00822	815966.24	8197965.95	179.29	4.0	5.0	80.0	8029.4	6.0	14.1	3288.2	32.3	334.6	46.4	133.7	85.1	138.4	149.8	5.5	7.4	0.7	204.3	223.9	195.0	9.3
SMDH 00822	815966.24	8197965.95	179.29	5.0	6.0	80.0	5471.7	3.3	14.3	1637.4	40.8	515.6	65.2	187.9	119.6	194.5	210.6	3.0	9.9	1.0	290.9	316.1	278.7	12.2
SMDH 00822	815966.24	8197965.95	179.29	6.0	7.0	80.0	5827.2	3.6	15.2	1773.3	38.3	462.6	64.1	184.7	117.6	191.2	207.0	3.3	10.5	1.1	302.7	325.9	291.3	11.4
SMDH 00822	815966.24	8197965.95	179.29	7.0	8.0	80.0	4569.4	2.6	12.9	1261.1	37.6	453.6	54.5	157.1	100.0	162.6	176.1	2.4	9.2	1.1	297.7	320.6	286.7	11.0
SMDH 00822	815966.24	8197965.95	179.29	8.0	9.0	80.0	6435.1	4.0	20.9	1342.8	37.3	301.7	96.8	278.9	177.5	288.6	312.5	3.7	15.8	1.1	259.2	281.8	247.8	11.4

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00822	815966.24	8197965.95	179.29	9.0	10.0	80.0	4898.2	2.8	14.2	1271.4	38.2	494.3	66.5	191.6	122.0	198.3	214.8	2.6	10.2	1.1	300.1	323.3	288.6	11.5
SMDH 00822	815966.24	8197965.95	179.29	10.0	10.8	80.0	4546.7	2.4	13.4	1209.9	38.5	482.2	69.1	199.0	126.6	205.9	223.0	2.2	9.7	1.2	430.5	454.0	419.3	11.2
SMDH 00825	816803.45	8197975.09	184.01	0.0	1.0	50.0	6427.5	3.5	26.4	550.2	34.9	872.5	75.2	216.5	137.8	224.0	242.6	3.3	22.0	0.9	283.9	304.6	272.8	11.1
SMDH 00825	816803.45	8197975.09	184.01	1.0	2.0	80.0	5104.5	3.0	16.1	1004.7	50.2	612.6	77.2	222.2	141.5	230.0	249.1	2.8	11.7	1.3	308.0	339.3	293.4	14.6
SMDH 00825	816803.45	8197975.09	184.01	2.0	3.0	80.0	5319.2	3.2	15.9	1209.1	44.3	515.8	79.0	227.6	144.9	235.6	255.1	3.0	11.4	1.3	344.0	371.8	331.9	12.1
SMDH 00825	816803.45	8197975.09	184.01	3.0	4.0	80.0	5117.4	3.0	16.0	1091.7	48.9	504.9	81.2	233.8	148.8	241.9	262.0	2.7	11.8	1.3	405.4	435.3	391.0	14.3
SMDH 00825	816803.45	8197975.09	184.01	4.0	5.0	80.0	7415.4	4.8	20.1	2068.6	58.3	514.7	69.2	199.4	126.9	206.3	223.4	4.5	14.2	1.0	460.5	497.2	444.3	16.2
SMDH 00825	816803.45	8197975.09	184.01	5.0	6.0	80.0	5968.3	3.9	16.8	1478.1	64.8	507.3	81.5	234.7	149.4	242.9	263.0	3.6	11.7	1.2	437.2	478.8	419.6	17.7
SMDH 00825	816803.45	8197975.09	184.01	6.0	7.0	80.0	5463.7	3.3	15.9	1349.9	51.7	553.3	77.4	222.8	141.8	230.6	249.7	3.0	11.5	1.2	443.1	475.5	428.7	14.3
SMDH 00825	816803.45	8197975.09	184.01	7.0	8.0	80.0	5601.6	3.3	16.4	1369.6	52.6	588.5	81.5	234.6	149.3	242.8	262.9	3.0	11.9	1.2	462.9	495.1	447.8	15.2
SMDH 00825	816803.45	8197975.09	184.01	8.0	9.0	80.0	5128.3	3.0	15.2	1225.6	33.8	629.0	81.5	234.6	149.3	242.8	262.9	2.7	10.9	1.3	373.5	394.2	364.3	9.2
SMDH 00825	816803.45	8197975.09	184.01	9.0	10.0	80.0	5493.9	3.2	17.0	1203.0	58.8	559.0	88.2	254.1	161.7	263.0	284.8	2.9	12.6	1.3	428.7	466.3	412.8	16.0
SMDH 00824	816506.24	8197973.92	180.92	0.0	1.0	30.0	4459.2	2.3	15.3	738.5	50.2	916.2	72.6	209.1	133.1	216.4	234.3	2.1	12.2	0.8	368.2	400.0	354.1	14.2
SMDH 00824	816506.24	8197973.92	180.92	1.0	2.0	80.0	5714.7	3.8	14.1	1678.0	51.1	727.6	62.9	181.2	115.4	187.6	203.1	3.4	9.5	0.8	323.1	355.5	309.1	14.0
SMDH 00824	816506.24	8197973.92	180.92	2.0	3.0	80.0	9668.6	7.8	13.7	4326.5	53.1	196.5	35.2	101.3	64.5	104.8	113.5	7.3	5.4	0.6	241.0	275.8	228.1	12.9
SMDH 00824	816506.24	8197973.92	180.92	3.0	4.0	80.0	6136.1	4.4	13.2	2134.8	24.4	334.3	50.6	145.6	92.7	150.7	163.2	4.1	7.8	1.0	243.7	258.0	236.4	7.3
SMDH 00824	816506.24	8197973.92	180.92	4.0	5.0	80.0	6901.6	5.1	13.1	2595.6	21.9	437.9	55.5	159.7	101.7	165.3	179.0	4.7	7.1	0.9	218.0	230.9	212.2	5.8
SMDH 00824	816506.24	8197973.92	180.92	5.0	6.0	80.0	7203.6	5.2	14.6	2627.9	46.4	449.4	61.2	176.3	112.2	182.4	197.5	4.8	8.6	0.9	337.9	366.5	324.1	13.7
SMDH 00824	816506.24	8197973.92	180.92	6.0	7.0	80.0	5859.5	3.8	13.3	2000.4	34.5	502.2	62.6	180.3	114.8	186.6	202.0	3.5	8.4	1.0	419.0	440.5	409.5	9.5
SMDH 00824	816506.24	8197973.92	180.92	7.0	8.0	80.0	5718.0	4.1	12.4	1912.6	19.8	432.1	57.3	165.1	105.1	170.9	185.0	3.8	7.3	1.0	153.6	165.5	148.1	5.5
SMDH 00824	816506.24	8197973.92	180.92	8.0	9.0	80.0	6038.0	4.3	12.5	2140.4	31.7	454.9	57.0	164.2	104.5	169.9	184.0	3.9	7.3	0.9	231.6	251.2	222.6	9.0
SMDH 00824	816506.24	8197973.92	180.92	9.0	10.0	80.0	4939.5	2.9	13.9	1253.7	46.1	612.5	76.5	220.2	140.2	227.9	246.8	2.6	9.9	1.1	375.8	404.4	362.5	13.3
SMDH 00824	816506.24	8197973.92	180.92	10.0	11.0	80.0	5181.5	3.0	15.2	1255.7	54.2	662.5	76.4	220.1	140.1	227.7	246.6	2.7	11.1	1.2	421.7	455.5	405.7	15.9
SMDH 00824	816506.24	8197973.92	180.92	11.0	12.0	80.0	4849.9	2.6	15.2	1062.7	49.6	662.4	81.7	235.4	149.8	243.6	263.8	2.4	11.3	1.2	433.8	464.5	418.8	14.9
SMDH 00824	816506.24	8197973.92	180.92	12.0	13.0	80.0	4952.3	2.8	14.9	1166.4	43.9	606.3	82.0	236.3	150.4	244.6	264.8	2.5	10.9	1.2	420.6	448.2	408.1	12.6
SMDH 00824	816506.24	8197973.92	180.92	13.0	14.0	80.0	5025.0	2.8	15.1	1200.6	49.3	583.4	78.9	227.2	144.6	235.1	254.6	2.6	11.1	1.2	432.0	463.4	418.1	13.9
SMDH 00824	816506.24	8197973.92	180.92	14.0	15.0	80.0	4801.2	2.6	14.8	1083.4	55.9	595.0	76.7	220.8	140.6	228.5	247.5	2.4	11.0	1.2	403.4	438.9	387.1	16.3
SMDH 00824	816506.24	8197973.92	180.92	15.0	16.0	80.0	4882.4	2.8	13.4	1381.9	46.6	465.7	64.6	186.0	118.4	192.4	208.4	2.5	9.5	1.1	378.7	408.3	365.4	13.3
SMDH 00824	816506.24	8197973.92	180.92	16.0	17.0	80.0	4809.4	2.6	13.6	1294.6	62.3	557.1	77.5	223.1	142.0	230.9	250.1	2.4	9.7	1.2	429.8	469.9	412.5	17.3
SMDH 00824	816506.24	8197973.92	180.92	17.0	18.0	80.0	4819.6	2.8	13.4	1317.1	40.3	513.9	67.7	194.9	124.0	201.7	218.4	2.5	9.5	1.1	314.1	339.0	302.3	11.7
SMDH 00824	816506.24	8197973.92	180.92	18.0	19.0	80.0	5311.2	3.2	15.1	1351.7	48.2	481.6	87.3	251.6	160.1	260.3	281.9	2.9	10.7	1.2	275.4	306.4	262.0	13.4
SMDH 00824	816506.24	8197973.92	180.92	19.0	20.0	80.0	4879.3	2.8	16.0	913.2	49.2	520.3	93.0	267.9	170.5	277.2	300.2	2.5	11.9	1.3	319.5	350.5	305.5	14.0
SMDH 00824	816506.24	8197973.92	180.92	20.0	20.2	80.0	4978.7	2.8	15.4	1142.0	46.4	567.9	72.8	209.7	133.5	217.0	235.0	2.5	11.4	1.2	426.2	454.7	412.7	13.4
SMDH 00823	816238.40	8197971.14	182.32	0.0	1.0	50.0	6052.8	3.2	25.7	455.5	33.9	758.5	53.9	155.3	98.9	160.8	174.1	3.1	21.9	0.6	243.7	264.8	234.0	9.7
SMDH 00823	816238.40	8197971.14	182.32	1.0	2.0	80.0	4716.2	2.5	16.8	636.3	47.6	1078.9	78.0	224.7	143.0	232.6	251.8	2.2	13.3	1.0	319.2	349.5	305.8	13.5
SMDH 00823	816238.40	8197971.14	182.32	2.0	3.0	80.0	5342.0	2.6	14.6	1404.9	72.4	1517.5	89.6	257.9	164.2	266.9	289.1	2.2	11.0	0.9	815.5	859.9	794.2	21.3
SMDH 00823	816238.40	8197971.14	182.32	3.0	4.0	80.0	5278.3	2.8	15.4	1429.7	65.3	686.3	71.4	205.6	130.9	212.8	230.4	2.5	11.8	0.9	768.7	808.2	748.9	19.8
SMDH 00823	816238.40	8197971.14	182.32	4.0	5.0	80.0	5481.6	4.1	12.3	1758.2	13.5	275.9	50.6	145.8	92.8	150.8	163.3	3.8	7.2	1.0	53.4	61.5	50.0	3.4
SMDH 00823	816238.40	8197971.14	182.32	5.0	6.0	50.0	7747.3	5.7	20.5	2113.6	29.7	186.2	78.7	226.7	144.3	234.7	254.1	5.4	13.9	0.9	147.8	166.5	139.9	7.9
SMDH 00823	816238.40	8197971.14	182.32	6.0	7.0	80.0	3358.2	2.2	9.1	867.5	7.9	138.9	38.9	112.1	71.3	116.0	125.6	2.1	5.7	1.2	36.4	40.8	34.2	2.2
SMDH 00823	816238.40	8197971.14	182.32	7.0	8.0	80.0	4142.8	2.8	9.1	1338.1	6.0	531.3	39.2	112.8	71.8	116.8	126.5	2.6	5.4	0.9	24.2	27.5	22.9	1.3
SMDH 00823	816238.40	8197971.14	182.32	8.0	9.0	80.0	8899.0	6.3	24.8	2311.2	27.5	279.7	88.3	254.3	161.9	263.2	285.0	5.9	17.5	1.0	74.4	91.3	66.5	7.9
SMDH 00823	816238.40	8197971.14	182.32	9.0	9.3	80.0	10281.7	7.2	22.9	3760.0	25.7	81.1	60.3	173.8	110.6	179.8	194.7	6.8	14.8	0.9	56.1	72.6	49.3	6.8
SMDH 00809	816912.77	8197693.85	183.81	0.0	1.0	50.0	4606.9	2.4	18.9	390.5	29.8	933.0	40.5	116.6	74.2	120.6	130.6	2.2	16.2	0.3	238.0	256.6	229.5	8.5
SMDH 00809	816912.77	8197693.85	183.81	1.0	2.0	80.0	4177.2	2.1	15.7	436.2	45.5	1056.5	78.7	226.6	144.3	234.5	254.0	1.8	12.7	1.0	268.5	297.5	255.6	12.9
SMDH 00809	816912.77	8197693.85	183.81	2.0	3.0	80.0	6352.9	3.9	18.7	1511.4	53.1	629.0	100.8	290.4	184.9	300.5	325.4	3.6	13.7	1.1	230.7	265.4	216.4	14.3
SMDH 00809	816912.77	8197693.85	183.81	3.0	4.0	80.0	8260.2	5.7	27.8	1349.3	54.3	216.3	163.2	470.1	299.3	486.6	526.9	5.4	20.9	1.2	105.8	140.3	89.8	16.0
SMDH 00809	816912.77	8197693.85	183.81	4.0	5.0	80.0	9992.6	7.3	30.5	2032.4	39.3	209.3	175.6	505.8	322.0	523.5	566.9	6.9	22.0	1.2	89.3	113.9	77.4	11.8
SMDH 00809	816912.77	8197693.85	183.81	5.0	5.5	80.0	10039.5	7.3	27.9	2573.8	41.9	173.1	141.3	406.9	259.0	421.1	456.0	6.8	19.7	1.0	72.6	99.4	60.8	11.8
SMDH 00808	816659.79	8197694.66	183.17	0.0	1.0	20.0	4791.5	2.7	20.2	349.6	19.8	620.1	34.8	100.3	63.8	103.8	112.4	2.6	17.2	0.2	183.4	195.2	177.3	6.1
SMDH 00808	816659.79	8197694.66	183.17	1.0	2.0	80.0	3442.1	1.9	12.3	524.4	42.4	564.7	49.2	141.8	90.3	146.7	158.9	1.7	9.8	0.6	318.3	343.9	304.8	13.5
SMDH 00808	816659.79	8197694.66	183.17	2.0	3.0	80.0	3739.7	2.3	12.5	651.0	30.7	369.8	43.3	124.8	79.4	129.1	139.8	2.2	9.5	0.6	190.5	210.4	182.6	7.9
SMDH 00808	816659.79	8197694.66	183.17	3.0	4.0	80.0	6941.2	5.1	13.6	2618.6	45.9	276.0	45.8	131.8	83.9	136.4	147.7	4.8	7.7	0.8	354.2	382.2	341.1	13.1
SMDH 00808	816659.79	8197694.66	183.17	4.0	5.0	80.0	4154.5	2.6	12.4	918.3	29.9	411.4	54.2	156.0	99.3	161.4	174.8	2.4	8.9	0.9	249.2	267.3	240.6	8.6
SMDH 00808	816659.79	8197694.66	183.17	5.0	6.0	50.0	4839.1	3.3	11.2	1540.0	42.1	342.6	42.0	121.0	77.0	125.2	135.6	3.1	7.0	1.0	277.9	303.8	265.9	12.1
SMDH 00808	816659.79	8197694.66	183.17	6.0	7.0	80.0	4901.6	2.9	11.0	1812.6	43.1	427.3	46.5	133.8	85.2	138.5	150.0	2.6	7.2	0.9	253.9	280.1	240.9	13.0
SMDH 00807	816348.42	8197703.32	178.01	0.0	1.0	30.0	3356.5	1.7	10.6	576.1	39.7	1218.3	53.1	152.8	97.3	158.1	171.2	1.4	8.4	0.5	320.0	345.1	308.9	11.1
SMDH 00807	816348.42	8197703.32	178.01	1.0	2.0	80.0																		
SMDH 00807	816348.42	8197703.32	178.01	2.0	3.0	80.0	5829.0	3.0	20.4	985.7	51.2	1408.0	57.5	165.7	105.5	171.5	185.7	2.6	16.9	0.5	572.5	603.2	557.1	15.3
SMDH 00807	816348.42	8197703.32	178.01	3.0	4.0	80.0	6592.9	3.3	23.0	1365.3	58.6	861.7	69.4	199.9	127.2	206.9	224.0	3.0	19.0	0.8	726.4	761.9	709.2	17.1
SMDH 00807	816348.42	8197703.32	178.01	4.0	5.0	80.0	5194.5	2.7	16.4	1118.9	68.3	858.9	92.5	266.5	169.7	275.8	298.7	2.4	12.5	1.2	459.5	502.3	439.5	20.0
SMDH 00807	816348.42	8197703.32	178.01	5.0	6.0	80.0	6307.8	3.6	14.3	2375.6	64.2	502.6	76.1	219.2	139.5	226.8	245.6	3.2	9.8	0.9	445.7	486.8	428.1	17.6
SMDH 00807	816348.42	8197703.32	178.01	6.0	7.0	80.0	5633.7	3.1	15.4	1660.7	70.0	555.8	84.8	244.1	155.4	252.6	273.6	2.8	11.2	1.1	430.2	475.5	410.7	19.5
SMDH 00807	816348.42	8197703.32	178.01	7.0	8.0	80.0	5294.6	2.8	15.6	1344.4	73.4	753.4	87.5	252.0	160.4	260.8	282.4	2.5	11.6	1.2	442.6	490.3	422.8	19.9
SMDH 00807	816348.42	8197703.32	178.01	8.0	9.0	80.0	5324.8	2.7	16.5	1178.8	83.7	933.6	97.0	279.3	177.8	289.1	313.1	2.4	12.5	1.2	483.1	537.0	459.3	23.8
SMDH 00807	816348.42	8197703.32	178.01	9.0	10.0	80.0	4941.4	2.5	15.3	1119.9	78.8	761.1	87.2	251.3	159.9	260.0	281.6	2.2	11.6	1.2	473.3	524.5	451.7	21.7
SMDH 00807	816348.42	8197703.32	178.01	10.0	11.0	80.0	4959.5	2.5	16.0	1082.0	74.8	609.5	91.7	264.2	168.2	273.4	296.1	2.2	12.2	1.3	480.9	528.7	459.3	21.7
SMDH 00807	816348.42	8197703.32	178.01	11.0	12.0	80.0	5171.7	2.9	16.3	1077.8	77.7	635.4	93.7	269.9	171.8	279.3	302.5	2.6	12.1	1.3	495.1	545.5	474.0	21.1
SMDH 00807	816348.42	8197703.32	178.01	12.0	13.0	80.0	6188.1	3.4	18.0	1556.6	79.0	837.5	108.5	312.6	199.0	323.5	350.3	3.1	13.3	1.2	484.5	535.5	462.4	22.1
SMDH 00807	816348.42	8197703.32	178.01	13.0	14.0	80.0	6022.8	3.3	17.2	1619.0	69.4	713.2	102.5	295.1	187.9	305.4	330.7	3.0	12.7	1.2	449.0	493.9	429.8	19.2
SMDH 00807	816348.42	8197703.32	178.01	14.0	15.0	80.0	4333.8	2.4	11.2	1338.7	52.8	468.0	59.0	169.8	108.1	175.7	190.3	2.2	7.6	1.1	310.4	345.1	296.5	13.9
SMDH 00806	816084.08	8197711.91	179.41	0.0	1.0	20.0	3841.7	1.9	13.1	582.9	43.5	1155.5	76.2	219.3	139.6	227.0	245.8	1.6	10.5	0.7	334.0	360.9	320.9	13.0
SMDH 00806	816084.08	8197711.91	179.41	1.0	2.0	80.0	3939.9	1.9	13.2	660.5	52.0	1079.1	76.9	221.6	141.1	229.3	248.3	1.6	10.5	0.8	403.4	435.4	387.6	15.8
SMDH 00806	816084.08	8197711.91	179.41	2.0	3.0	80.0	5234.8	2.9	18.6	697.9	62.1	885.4	118.1	340.0	216.5	351.9	381.1	2.6	14.4	1.3	388.7	428.5	371.4	17.3
SMDH 00806	816084.08	8197711.91	179.41	3.0	4.0	80.0	5431.6	3.3	15.5	1284.1	69.8	831.2	93.1	268.1	170.6	277.4	300.4	3.0	11.3	0.9	372.1	417.2	352.9	19.2
SMDH 00806	816084.08	8197711.91	179.41	4.0	5.0	80.0	4921.7	2.9	12.8	1353.5	57.5	994.3	70.5	202.9	129.2	210.0	227.4	2.6	9.2	0.6	390.0	427.0	374.9	15.2

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00806	816084.08	8197711.91	179.41	5.0	6.0	80.0	5285.2	2.8	14.3	1352.8	60.4	1560.0	76.1	219.2	139.6	226.9	245.7	2.4	10.7	0.8	599.3	636.4	582.1	17.2
SMDH 00816	814261.62	8197978.47	175.12	0.0	1.0	20.0	4562.8	2.3	15.4	694.9	63.3	1310.6	81.8	235.7	150.0	243.9	264.1	2.0	12.2	0.9	399.3	438.5	380.1	19.2
SMDH 00816	814261.62	8197978.47	175.12	1.0	2.0	80.0	3705.1	1.9	12.1	610.0	49.7	1029.6	69.9	201.4	128.2	208.4	225.7	1.7	9.5	0.7	338.9	369.8	323.9	15.0
SMDH 00816	814261.62	8197978.47	175.12	2.0	3.0	80.0	2756.1	1.5	9.0	488.0	34.4	575.1	42.4	122.2	77.8	126.4	136.9	1.3	6.9	0.6	250.9	271.9	240.5	10.5
SMDH 00816	814261.62	8197978.47	175.12	3.0	4.0	80.0	6564.2	3.8	16.0	2123.7	68.0	1018.9	87.4	251.7	160.2	260.5	282.1	3.3	11.2	1.0	535.8	577.6	515.4	20.4
SMDH 00816	814261.62	8197978.47	175.12	4.0	5.0	80.0	5239.1	3.1	14.1	1433.8	55.2	695.0	72.2	207.9	132.4	215.2	233.0	2.8	9.8	1.2	328.1	362.2	311.7	16.4
SMDH 00816	814261.62	8197978.47	175.12	5.0	6.0	80.0	7162.0	4.5	14.8	2816.3	56.0	514.7	70.1	201.9	128.5	209.0	226.3	4.0	9.3	1.0	321.5	356.6	305.3	16.3
SMDH 00816	814261.62	8197978.47	175.12	6.0	7.0	80.0	5002.5	2.9	12.2	1635.9	29.8	566.6	70.3	202.6	128.9	209.6	227.0	2.6	8.1	1.2	290.9	308.9	282.0	8.9
SMDH 00816	814261.62	8197978.47	175.12	7.0	8.0	80.0	6007.3	3.6	16.4	1587.8	13.7	837.7	107.9	310.9	197.9	321.8	348.4	3.3	11.5	1.3	223.1	230.7	219.2	3.9
SMDH 00816	814261.62	8197978.47	175.12	8.0	8.5	80.0	5639.0	3.1	14.9	1613.7	51.1	1004.3	83.0	238.9	152.1	247.3	267.7	2.7	10.7	1.2	521.4	552.2	506.0	15.3
SMDH 00816	814261.62	8197978.47	175.12	8.5	9.0	80.0	5639.0	3.1	14.9	1613.7	51.1	1004.3	83.0	238.9	152.1	247.3	267.7	2.7	10.7	1.2	521.4	552.2	506.0	15.3
SMDH 00815	814029.29	8197984.53	173.61	0.0	1.0	20.0	5049.7	2.8	20.0	437.9	50.8	522.4	108.7	313.0	199.2	323.9	350.7	2.6	16.0	1.3	217.6	250.3	203.3	14.3
SMDH 00815	814029.29	8197984.53	173.61	1.0	2.0	80.0	3126.8	1.8	11.7	344.5	31.4	447.8	53.1	152.8	97.3	158.1	171.2	1.6	9.2	0.7	184.9	204.3	175.6	9.3
SMDH 00815	814029.29	8197984.53	173.61	2.0	3.0	80.0	3920.8	2.1	13.6	634.2	44.9	526.8	70.2	202.1	128.6	209.1	226.5	1.9	10.6	0.9	335.5	363.4	322.3	13.2
SMDH 00815	814029.29	8197984.53	173.61	3.0	4.0	80.0	4169.3	2.3	14.5	601.6	55.1	702.8	85.1	245.1	156.0	253.6	274.6	2.1	11.2	1.0	295.0	329.1	278.4	16.6
SMDH 00815	814029.29	8197984.53	173.61	4.0	5.0	80.0	6270.1	3.7	16.8	1647.2	76.2	1226.6	93.9	270.5	172.2	279.9	303.1	3.2	12.1	1.0	506.6	554.1	484.4	22.2
SMDH 00815	814029.29	8197984.53	173.61	5.0	6.0	80.0	4681.5	2.6	15.8	741.4	62.0	942.8	86.5	249.1	158.6	257.8	279.2	2.3	12.2	1.0	328.2	367.6	310.2	18.0
SMDH 00815	814029.29	8197984.53	173.61	6.0	7.0	80.0	3249.5	1.8	11.9	431.6	35.1	357.3	55.5	159.8	101.7	165.3	179.0	1.7	9.3	0.8	200.9	222.5	190.2	10.6
SMDH 00815	814029.29	8197984.53	173.61	7.0	8.0	80.0	6480.8	3.3	16.4	1682.7	104.8	2406.4	102.7	295.9	188.4	306.2	331.6	2.8	12.1	1.0	749.3	813.6	717.8	31.5
SMDH 00815	814029.29	8197984.53	173.61	8.0	9.0	80.0	5481.2	2.6	13.5	1435.1	85.7	2506.9	90.8	261.6	166.5	270.7	293.1	2.1	10.1	0.9	767.9	820.9	742.8	25.1
SMDH 00815	814029.29	8197984.53	173.61	9.0	10.0	80.0	5872.5	3.5	14.4	1802.0	64.2	984.8	74.7	215.2	137.0	222.7	241.2	3.1	9.9	0.9	430.9	470.6	411.7	19.2
SMDH 00815	814029.29	8197984.53	173.61	10.0	11.0	80.0	6370.1	3.8	17.7	1657.1	70.7	914.7	95.5	275.0	175.1	284.6	308.2	3.4	12.7	1.2	437.3	481.3	416.5	20.8
SMDH 00815	814029.29	8197984.53	173.61	11.0	11.3	80.0	5756.1	3.2	18.0	1147.2	78.9	1031.0	96.7	278.5	177.3	288.2	312.1	2.9	13.5	1.3	463.7	513.3	440.3	23.4
SMDH 00815	814029.29	8197984.53	173.61	11.3	12.0	80.0	5756.1	3.2	18.0	1147.2	78.9	1031.0	96.7	278.5	177.3	288.2	312.1	2.9	13.5	1.3	463.7	513.3	440.3	23.4
SMDH 00814	813684.37	8197997.73	172.55	0.0	1.0	30.0	4059.2	2.2	14.9	472.5	43.7	712.5	87.9	253.2	161.1	262.0	283.7	2.0	11.8	0.9	263.1	290.6	250.5	12.6
SMDH 00814	813684.37	8197997.73	172.55	1.0	2.0	80.0	3249.7	1.8	12.6	308.5	33.6	399.7	61.4	176.9	112.6	183.1	198.3	1.7	9.9	0.8	167.3	188.5	157.4	9.9
SMDH 00814	813684.37	8197997.73	172.55	2.0	3.0	50.0	2275.6	1.2	7.9	386.7	25.0	336.7	38.5	110.9	70.6	114.8	124.3	1.1	6.2	0.5	200.1	215.5	192.7	7.4
SMDH 00814	813684.37	8197997.73	172.55	3.0	4.0	80.0	3369.7	1.7	10.5	845.0	48.5	406.0	49.9	143.6	91.4	148.6	161.0	1.5	8.2	0.7	480.4	509.9	465.6	14.8
SMDH 00814	813684.37	8197997.73	172.55	4.0	5.0	80.0	5253.5	2.8	16.5	1068.4	72.3	919.4	88.8	255.7	162.8	264.6	286.6	2.5	12.4	1.2	482.9	528.7	461.8	21.0
SMDH 00814	813684.37	8197997.73	172.55	5.0	6.0	80.0	4358.4	2.5	11.9	1162.4	26.4	676.6	67.2	193.5	123.2	200.3	216.9	2.2	8.3	1.1	341.0	357.0	333.5	7.5
SMDH 00814	813684.37	8197997.73	172.55	6.0	7.0	80.0	5580.5	3.2	16.3	1360.3	58.6	803.6	89.5	257.8	164.1	266.8	288.9	2.9	11.9	1.1	476.8	513.2	459.4	17.3
SMDH 00814	813684.37	8197997.73	172.55	7.0	8.0	80.0	5192.5	2.8	15.5	1234.1	74.6	793.7	85.8	247.2	157.4	255.9	277.1	2.5	11.5	1.3	539.4	586.6	517.7	21.7
SMDH 00814	813684.37	8197997.73	172.55	8.0	9.0	80.0	5298.6	2.9	15.9	1140.6	84.0	1002.4	88.8	255.6	162.7	264.6	286.5	2.6	11.8	1.3	469.5	522.8	445.0	24.5
SMDH 00814	813684.37	8197997.73	172.55	9.0	10.0	80.0	5673.8	3.0	16.9	1404.5	104.2	766.5	94.5	272.2	173.3	281.8	305.1	2.6	12.7	1.2	688.2	754.7	658.3	29.9
SMDH 00814	813684.37	8197997.73	172.55	10.0	11.0	80.0	6517.2	3.4	19.1	1712.4	113.5	747.4	116.2	334.7	213.0	346.3	375.1	3.0	14.4	1.3	814.0	886.4	781.4	32.6
SMDH 00814	813684.37	8197997.73	172.55	11.0	11.1	80.0	4670.5	2.5	12.8	1315.8	50.7	598.6	68.0	195.8	124.6	202.6	219.4	2.2	9.0	1.4	417.8	448.4	402.2	15.6
SMDH 00813	813431.66	8197987.66	171.46	0.0	1.0	30.0	3689.6	2.0	12.3	600.9	50.2	700.1	65.3	188.1	119.7	194.6	210.8	1.8	9.4	0.8	315.1	347.5	301.0	14.1
SMDH 00813	813431.66	8197987.66	171.46	1.0	2.0	80.0	4713.7	2.6	15.7	812.7	63.5	765.5	94.6	272.5	173.5	282.1	305.4	2.3	12.1	1.1	393.0	432.6	374.1	18.9
SMDH 00813	813431.66	8197987.66	171.46	2.0	3.0	80.0	3448.3	1.8	11.5	622.4	47.0	620.7	63.4	182.5	116.1	188.8	204.5	1.6	9.0	0.8	321.1	350.2	306.8	14.3
SMDH 00813	813431.66	8197987.66	171.46	3.0	4.0	80.0	2767.5	1.4	9.3	510.0	33.0	497.4	42.2	121.5	77.4	125.8	136.2	1.3	7.2	0.6	257.0	277.4	247.2	9.8
SMDH 00813	813431.66	8197987.66	171.46	4.0	5.0	80.0	3066.3	1.7	11.1	444.5	31.4	296.3	49.7	143.1	91.1	148.1	160.4	1.6	8.6	0.8	195.2	214.7	185.7	9.4
SMDH 00813	813431.66	8197987.66	171.46	5.0	6.0	80.0	4245.0	2.3	13.0	937.4	51.5	670.7	64.5	185.7	118.2	192.2	208.1	2.1	9.6	1.0	359.2	390.8	343.6	15.6
SMDH 00813	813431.66	8197987.66	171.46	6.0	7.0	80.0	5154.9	2.9	14.1	1380.9	61.7	815.3	72.4	208.5	132.7	215.7	233.6	2.6	10.1	1.1	433.7	472.3	416.0	17.7
SMDH 00813	813431.66	8197987.66	171.46	7.0	8.0	80.0	5750.2	3.3	17.2	1338.5	87.7	750.5	93.0	267.9	170.5	277.2	300.2	2.9	12.8	1.2	490.6	544.8	464.6	26.0
SMDH 00813	813431.66	8197987.66	171.46	8.0	9.0	80.0	5129.1	2.9	15.0	1208.2	61.7	764.8	75.9	218.5	139.1	226.1	244.9	2.6	11.0	1.1	362.4	401.0	344.7	17.7
SMDH 00813	813431.66	8197987.66	171.46	9.0	10.0	80.0	4706.3	2.7	13.2	1219.9	50.3	702.6	69.1	199.0	126.6	205.9	223.0	2.4	9.4	1.1	355.3	385.8	340.1	15.1
SMDH 00813	813431.66	8197987.66	171.46	10.0	11.0	80.0	5103.5	2.9	15.5	1107.3	59.3	805.8	85.1	245.0	156.0	253.6	274.6	2.6	11.5	1.2	395.4	432.3	378.1	17.3
SMDH 00812	813150.38	8197988.06	170.60	0.0	1.0	20.0	5112.0	2.6	16.6	856.4	78.8	1460.7	102.0	293.6	186.9	303.9	329.1	2.2	12.9	1.1	466.1	516.3	443.6	22.5
SMDH 00812	813150.38	8197988.06	170.60	1.0	2.0	80.0	4099.7	2.0	11.0	1020.1	68.7	1481.8	67.0	193.1	122.9	199.8	216.4	1.6	8.3	0.7	555.4	598.3	535.5	19.8
SMDH 00812	813150.38	8197988.06	170.60	2.0	3.0	80.0	4793.6	2.4	14.3	1115.3	65.3	1046.7	79.1	227.8	145.0	235.8	255.3	2.1	10.8	1.0	578.8	619.0	559.3	19.5
SMDH 00812	813150.38	8197988.06	170.60	3.0	4.0	80.0	5472.4	3.0	14.9	1569.9	63.6	689.9	78.7	226.8	144.4	234.7	254.2	2.7	10.7	1.2	538.3	577.2	519.5	18.9
SMDH 00812	813150.38	8197988.06	170.60	4.0	5.0	80.0	8109.4	5.0	16.3	3301.0	57.5	669.3	75.3	216.7	138.0	224.3	242.9	4.5	10.3	1.0	500.3	534.7	482.9	17.4
SMDH 00812	813150.38	8197988.06	170.60	5.0	6.0	80.0	6342.9	3.5	16.6	1914.6	61.3	906.3	93.5	269.4	171.5	278.8	301.9	3.1	11.9	1.2	644.8	681.0	626.3	18.5
SMDH 00812	813150.38	8197988.06	170.60	6.0	7.0	80.0	5762.6	3.1	16.8	1475.7	70.6	792.5	92.0	265.0	168.7	274.3	297.0	2.8	12.5	1.2	613.0	657.0	592.6	20.4
SMDH 00812	813150.38	8197988.06	170.60	7.0	8.0	80.0	5099.1	2.9	13.3	1546.0	45.4	499.9	66.5	191.6	121.9	198.3	214.7	2.6	9.0	1.3	347.1	375.3	334.0	13.1
SMDH 00812	813150.38	8197988.06	170.60	8.0	9.0	80.0	5840.8	3.3	17.7	1324.6	68.4	817.9	99.4	286.3	182.3	296.3	320.9	2.9	13.1	1.3	484.4	528.3	465.6	18.9
SMDH 00811	812869.76	8197993.55	169.30	0.0	1.0	30.0	4613.9	2.4	15.6	751.1	59.7	1021.1	82.2	236.8	150.8	245.1	265.4	2.1	12.1	1.1	422.2	459.7	404.9	17.2
SMDH 00811	812869.76	8197993.55	169.30	1.0	2.0	80.0	5518.5	3.1	17.0	1216.1	50.6	798.2	77.1	222.1	141.4	229.9	248.9	2.8	12.6	1.3	391.6	422.5	376.7	14.9
SMDH 00811	812869.76	8197993.55	169.30	2.0	3.0	80.0	4683.4	2.9	15.8	724.8	17.2	490.7	80.0	230.3	146.6	238.4	258.1	2.7	11.4	1.4	51.8	62.2	46.9	4.9
SMDH 00811	812869.76	8197993.55	169.30	3.0	4.0	80.0	3925.1	2.4	13.8	533.3	19.0	347.0	75.1	216.4	137.7	223.9	242.5	2.2	10.0	1.4	96.8	108.6	91.5	5.3
SMDH 00811	812869.76	8197993.55	169.30	4.0	5.0	80.0	3595.0	2.3	12.1	579.0	30.8	174.9	55.3	159.3	101.4	164.9	178.5	2.1	8.5	1.3	150.0	169.2	141.0	9.0
SMDH 00811	812869.76	8197993.55	169.30	5.0	6.0	80.0	3787.0	2.2	12.4	744.5	29.5	177.8	57.8	166.4	106.0	172.3	186.5	2.1	8.9	1.3	161.5	180.4	153.7	7.8
SMDH 00811	812869.76	8197993.55	169.30	6.0	7.0	80.0	4197.2	2.4	13.8	866.8	41.1	238.0	47.2	135.9	86.5	140.6	152.3	2.2	10.1	1.3	187.2	213.5	176.1	11.1
SMDH 00811	812869.76	8197993.55	169.30	7.0	8.0	80.0	7338.7	4.5	25.6	1234.8	65.5	386.2	103.0	296.6	188.8	307.0	332.4	4.2	19.8	1.4	387.5	428.8	368.6	18.9
SMDH 00811	812869.76	8197993.55	169.30	8.0	8.4	80.0	6737.9	4.0	22.6	1243.2	71.2	586.2	102.0	293.6	186.9	303.9	329.1	3.7	17.2	1.4	410.4	455.4	389.8	20.6
SMDH 00810	812593.96	8197987.30	170.33	0.0	1.0	50.0	5239.7	2.5	16.4	1193.3	81.2	1119.5	81.1	233.7	148.7	241.8	261.8	2.1	12.8	1.1	707.7	758.8	684.5	23.1
SMDH 00810	812593.96	8197987.30	170.33	1.0	2.0	80.0	4443.5	2.5	14.3	866.3	49.3	623.5	75.2	216.7	137.9	224.3	242.8	2.2	10.7	1.2	364.9	394.8	350.3	14.6
SMDH 00810	812593.96	8197987.30	170.33	2.0	3.0	80.0	6255.1	4.0	20.8	1103.1	96.1	381.2	84.8	244.2	155.5	252.8	273.7	3.7	15.6	1.2	291.1	349.4	261.2	29.9
SMDH 00810	812593.96	8197987.30	170.33	3.0	4.0	30.0	5708.7	3.4	19.2	983.7	95.1	460.3	109.8	316.3	201.4	327.4	354.5	3.1	14.5	1.2	400.7	460.2	372.2	28.5
SMDH 00810	812593.96	8197987.30	170.33	4.0	5.0	80.0	7814.7	4.1	23.5	2077.1	102.0	592.2	158.9	457.8	291.4	473.8	513.0	3.7	18.0	1.4	1041.1	1102.8	1010.2	30.9
SMDH 00810	812593.96	8197987.30	170.33	5.0	6.0	80.0	5434.0	3.2	17.2	1084.8	76.3	605.6	87.6	252.4	160.7	261.2	282.8	2.9	12.7	1.3	381.8	427.4	358.2	23.6
SMDH 00810	812593.96	8197987.30	170.33	6.0	7.0	80.0	4494.4	2.7	14.6	756.0	76.3	639.9	67.3	193.8	123.3	200.5	217.1	2.5	10.9	1.0	266.0	313.0	242.9	23.1
SMDH 00810	812593.96	8197987.30	170.33	7.0	8.0	80.0	6092.2	3.7	21.6	774.8	154.1	656.5	78.5	226.0	143.9	233.9	253.3	3.4	16.7	1.3	399.1	491.3	349.4	49.7
SMDH 00810	812593.96	8197987.30	170.33	8.0	9.0	80.0	4496.2	2.4	14.9	848.6	68.4	656.7	72.0	207.4	132.0	214.6	232.4	2.1	11.4	1.1	441.7	483.6	420.8	20.9
SMDH 00794	812731.89	8197688.95	168.86	0.0	1.0	30.0	4958.1	2.5	17.2	668.9	68.7	1386.9	103.6	298.4	189.9	308.8	334.4	2.1	13.6	1.1	394.6	437.8	374.6	20.0
SMDH 00794	812731.89	8197688.95	168.86	1.0	2.0	80.0	5774.0	2.9	18.3	967.1	100.1	1812.5	117.0	336.9	214.4	348.6	377.5	2.5	14.1	1.2	553.6	616.7	524.0	29.6

BHID	East	North	AHD	FROM	TO	Rec	MzEQ	THM	TCM	monazite	xenotime	zircon	rutile	hi Ti leucoxene	lo Ti leucoxene	alt ilmenite	ilmenite	garnet	biotite	muscovite	TREO	TREO+Y	LREO	HREO
units:	m	m	m	m	m	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm
SMDH 00794	812731.89	8197688.95	168.86	2.0	3.0	80.0	4951.1	2.7	15.8	824.6	70.1	1286.7	104.0	299.4	190.6	309.9	335.6	2.3	12.1	1.1	401.3	445.8	381.2	20.1
SMDH 00794	812731.89	8197688.95	168.86	3.0	4.0	80.0	4576.5	2.4	14.5	858.3	59.7	1064.4	88.4	254.6	162.1	263.5	285.3	2.1	11.1	1.0	427.3	464.3	409.3	18.0
SMDH 00794	812731.89	8197688.95	168.86	4.0	5.0	80.0	5522.4	3.2	18.7	814.6	65.9	987.3	115.3	331.9	211.3	343.5	372.0	2.8	14.3	1.3	342.6	384.5	323.7	18.8
SMDH 00794	812731.89	8197688.95	168.86	5.0	6.0	80.0	5184.5	2.7	17.1	814.2	68.2	1324.1	111.3	320.4	204.0	331.6	359.1	2.4	13.2	1.2	431.6	475.2	412.1	19.5
SMDH 00794	812731.89	8197688.95	168.86	6.0	7.0	80.0	5165.6	2.7	16.1	992.7	72.4	1270.5	98.4	283.4	180.4	293.3	317.6	2.4	12.2	1.1	432.9	480.3	413.3	19.6
SMDH 00794	812731.89	8197688.95	168.86	7.0	8.0	80.0	4134.9	1.9	12.1	1263.1	71.7	437.8	55.4	159.5	101.5	165.1	178.8	1.6	9.4	0.8	755.7	799.0	733.5	22.3
SMDH 00794	812731.89	8197688.95	168.86	8.0	8.8	80.0	4101.7	2.2	11.4	1255.1	56.8	264.1	46.7	134.4	85.6	139.1	150.6	2.0	8.4	0.8	560.6	594.8	543.3	17.3
SMDH 00779	812590.07	8197428.03	168.49	0.0	1.0	30.0	3153.0	1.5	10.5	533.3	46.6	879.7	61.5	177.1	112.8	183.3	198.5	1.3	8.3	0.7	310.2	339.6	296.9	13.3
SMDH 00779	812590.07	8197428.03	168.49	1.0	2.0	80.0	4223.2	2.2	13.9	683.3	62.0	1195.8	79.1	227.9	145.0	235.8	255.4	1.9	10.8	0.9	391.9	431.0	373.8	18.2
SMDH 00779	812590.07	8197428.03	168.49	2.0	3.0	80.0	3775.7	1.9	11.0	798.3	57.0	1305.7	64.5	185.7	118.2	192.1	208.1	1.6	8.4	0.7	455.3	491.0	438.7	16.6
SMDH 00779	812590.07	8197428.03	168.49	3.0	4.0	80.0	4173.2	2.2	14.0	695.6	69.1	774.1	78.6	226.3	144.0	234.2	253.6	2.0	10.9	0.9	355.8	400.0	336.2	19.6
SMDH 00779	812590.07	8197428.03	168.49	4.0	5.0	80.0	4719.1	2.5	16.1	773.4	53.4	832.0	84.0	242.0	154.0	250.4	271.2	2.3	12.5	1.1	384.7	418.4	369.5	15.2
SMDH 00779	812590.07	8197428.03	168.49	5.0	6.0	80.0	3687.3	1.8	11.4	806.3	47.8	770.8	59.4	171.1	108.9	177.0	191.7	1.6	8.5	1.0	444.1	472.8	429.7	14.4
SMDH 00779	812590.07	8197428.03	168.49	6.0	7.0	80.0	3845.6	2.2	10.6	985.5	27.5	633.3	56.4	162.5	103.4	168.2	182.1	2.0	7.4	1.0	228.3	245.3	220.4	7.9
SMDH 00779	812590.07	8197428.03	168.49	7.0	8.0	80.0	3171.5	1.7	10.8	437.4	60.3	673.7	60.4	173.8	110.7	179.9	194.8	1.5	8.3	0.9	234.7	273.1	217.4	17.2
SMDH 00779	812590.07	8197428.03	168.49	8.0	9.0	80.0	3854.8	2.1	13.4	550.5	68.0	639.8	75.9	218.7	139.2	226.3	245.1	1.9	10.2	1.1	287.1	331.1	268.3	18.8
SMDH 00779	812590.07	8197428.03	168.49	9.0	10.0	80.0	3728.2	2.0	13.5	451.2	59.6	589.7	77.6	223.4	142.2	231.2	250.4	1.8	10.3	1.2	263.7	301.8	246.3	17.4
SMDH 00779	812590.07	8197428.03	168.49	10.0	11.0	80.0	4837.1	2.8	17.6	612.3	74.4	484.3	99.7	287.2	182.8	297.2	321.9	2.6	13.7	1.2	295.9	343.9	274.7	21.1
SMDH 00779	812590.07	8197428.03	168.49	11.0	12.0	80.0	7829.5	5.6	28.8	645.0	98.5	415.2	198.6	571.9	364.0	591.8	640.9	5.3	22.0	1.1	214.9	278.2	185.3	29.6
SMDH 00779	812590.07	8197428.03	168.49	12.0	13.0	80.0	3408.4	1.8	11.9	504.2	41.9	576.0	64.8	186.7	118.9	193.2	209.3	1.6	9.1	1.0	251.1	276.9	238.3	12.7
SMDH 00779	812590.07	8197428.03	168.49	13.0	14.0	80.0	3399.6	1.8	11.0	633.5	23.7	626.9	60.7	174.8	111.3	180.9	195.9	1.6	8.1	1.1	246.5	260.2	239.0	7.5
SMDH 00779	812590.07	8197428.03	168.49	14.0	15.0	80.0	3209.8	1.6	10.9	485.6	49.4	697.5	65.8	189.4	120.6	196.1	212.3	1.4	8.3	1.0	292.6	323.1	277.5	15.0
SMDH 00779	812590.07	8197428.03	168.49	15.0	16.0	80.0	3606.9	1.9	11.3	750.3	35.5	655.1	55.4	159.6	101.6	165.2	178.8	1.7	8.3	1.1	274.9	297.1	265.2	9.8
SMDH 00779	812590.07	8197428.03	168.49	16.0	16.5	80.0	2903.6	1.6	10.2	349.9	17.4	773.5	58.6	168.9	107.5	174.8	189.2	1.4	8.0	0.7	197.0	207.2	191.8	5.1
SMDH 00780t	812863.48	8197418.87	168.26	0.0	1.0	50.0	5986.6	3.4	18.0	1286.9	66.9	1113.1	103.3	297.4	189.3	307.8	333.3	3.1	13.5	1.1	377.8	420.4	358.7	19.1
SMDH 00780t	812863.48	8197418.87	168.26	1.0	2.0	80.0	3889.0	1.9	11.0	889.9	59.3	1251.6	63.7	183.4	116.8	189.8	205.5	1.7	8.4	0.7	476.2	513.8	459.5	16.7
SMDH 00780t	812863.48	8197418.87	168.26	2.0	3.0	80.0	4910.1	2.8	15.9	958.9	53.6	538.7	79.4	228.7	145.6	236.7	256.4	2.6	11.9	1.2	385.0	418.8	369.9	15.1
SMDH 00780t	812863.48	8197418.87	168.26	3.0	4.0	80.0	5233.5	3.3	12.9	1630.0	9.6	439.3	65.5	188.7	120.1	195.3	211.4	3.0	8.3	1.3	187.4	192.4	184.8	2.6
SMDH 00780t	812863.48	8197418.87	168.26	4.0	5.0	80.0	4545.4	2.8	11.5	1375.6	10.8	399.2	55.9	160.9	102.4	166.5	180.3	2.6	7.5	1.3	172.7	178.5	169.6	3.0
SMDH 00780t	812863.48	8197418.87	168.26	5.0	6.0	80.0	5730.0	3.5	17.5	1245.7	23.2	638.9	94.5	272.2	173.3	281.8	305.1	3.2	12.6	1.4	297.9	311.2	291.0	6.9
SMDH 00780t	812863.48	8197418.87	168.26	6.0	7.0	80.0	4537.9	2.6	13.2	1202.4	18.4	393.5	73.1	210.4	133.9	217.8	235.8	2.4	9.4	1.1	383.6	393.5	377.9	5.7
SMDH 00780t	812863.48	8197418.87	168.26	7.0	8.0	80.0	5416.2	3.0	17.4	1145.4	16.8	631.4	99.2	285.8	181.9	295.8	320.3	2.7	13.1	1.4	434.4	443.1	429.4	5.0
SMDH 00780t	812863.48	8197418.87	168.26	8.0	9.0	80.0	4331.1	2.4	12.5	1132.9	14.9	462.3	69.1	199.1	126.7	206.0	223.1	2.2	8.7	1.4	328.5	336.6	324.6	3.9
SMDH 00780t	812863.48	8197418.87	168.26	9.0	10.0	80.0	4498.9	2.6	15.6	742.3	16.1	424.5	85.0	244.7	155.8	253.2	274.2	2.3	11.8	1.3	251.5	260.5	246.7	4.7
SMDH 00780t	812863.48	8197418.87	168.26	10.0	11.0	80.0	5388.7	3.2	18.8	841.9	31.0	535.9	93.7	269.9	171.8	279.3	302.5	2.9	14.3	1.4	337.5	356.2	328.8	8.7
SMDH 00780t	812863.48	8197418.87	168.26	11.0	11.8	80.0	3835.7	2.2	12.0	858.8	15.1	322.2	63.7	183.4	116.8	189.8	205.5	2.0	8.5	1.3	274.8	283.6	270.9	3.8
SMDH 00795	813031.89	8197697.23	170.16	0.0	1.0	20.0	4217.7	2.3	15.1	521.6	53.0	760.2	85.2	245.3	156.1	253.9	274.9	2.1	11.8	1.0	281.3	316.0	266.7	14.6
SMDH 00795	813031.89	8197697.23	170.16	1.0	2.0	80.0	5679.8	3.3	20.0	790.1	61.4	756.1	111.7	321.6	204.7	332.8	360.4	3.0	15.4	1.3	291.9	331.1	274.4	17.4
SMDH 00795	813031.89	8197697.23	170.16	2.0	3.0	80.0	3571.7	2.2	12.9	428.4	43.6	383.2	71.7	206.5	131.5	213.7	231.4	2.0	9.9	0.8	235.3	263.2	222.9	12.4
SMDH 00795	813031.89	8197697.23	170.16	3.0	4.0	80.0	3013.8	1.7	11.4	361.8	33.3	346.2	45.2	130.1	82.8	134.6	145.8	1.6	9.0	0.7	199.0	219.7	189.0	10.1
SMDH 00795	813031.89	8197697.23	170.16	4.0	5.0	80.0	3736.6	1.9	12.3	615.8	48.0	973.6	64.4	185.4	118.0	191.8	207.7	1.7	9.5	0.8	349.8	379.5	335.3	14.6
SMDH 00795	813031.89	8197697.23	170.16	5.0	6.0	80.0	5703.0	2.8	17.0	1363.8	87.9	1311.3	102.7	295.9	188.4	306.2	331.6	2.4	13.1	1.1	797.0	853.5	773.1	23.9
SMDH 00795	813031.89	8197697.23	170.16	6.0	7.0	80.0	6245.1	2.9	16.8	1507.8	111.5	2494.4	113.0	325.6	207.2	336.9	364.9	2.4	12.8	1.1	891.5	962.8	860.1	31.3
SMDH 00795	813031.89	8197697.23	170.16	7.0	8.0	80.0	7850.9	4.5	17.2	2712.3	78.5	1784.7	88.3	254.5	162.0	263.3	285.2	3.9	11.7	1.0	653.2	703.5	631.9	21.3
SMDH 00795	813031.89	8197697.23	170.16	8.0	9.0	80.0	6105.8	3.3	13.0	2388.7	78.8	896.0	56.3	162.0	103.1	167.7	181.6	2.9	8.9	0.9	941.3	991.0	919.8	21.6
SMDH 00795	813031.89	8197697.23	170.16	9.0	10.0	80.0	6396.0	3.8	17.5	1751.8	88.5	654.0	85.8	247.0	157.2	255.6	276.8	3.5	12.5	1.2	483.0	541.2	459.6	23.4
SMDH 00795	813031.89	8197697.23	170.16	10.0	11.0	80.0	5992.1	3.3	18.0	1350.5	105.6	921.0	93.4	269.0	171.2	278.4	301.5	3.0	13.3	1.4	498.4	568.8	470.6	27.8
SMDH 00796	813295.82	8197695.54	171.08	0.0	1.0	30.0	3554.2	1.8	12.6	476.2	49.3	787.8	80.1	230.8	146.9	238.9	258.7	1.6	9.9	0.8	280.5	311.6	266.3	14.2
SMDH 00796	813295.82	8197695.54	171.08	1.0	2.0	80.0	4655.1	2.5	15.9	658.0	62.8	1084.5	90.4	260.3	165.7	269.4	291.7	2.2	12.4	1.0	369.6	410.0	352.3	17.3
SMDH 00796	813295.82	8197695.54	171.08	2.0	3.0	80.0	4578.3	2.3	13.8	1048.4	67.3	1132.7	76.4	220.1	140.1	227.8	246.7	1.9	10.7	0.8	603.0	645.6	584.0	19.0
SMDH 00796	813295.82	8197695.54	171.08	3.0	4.0	80.0	5201.6	2.9	16.9	1033.5	56.4	712.7	82.6	238.0	151.5	246.3	266.8	2.6	12.9	1.1	437.5	472.9	421.5	16.0
SMDH 00796	813295.82	8197695.54	171.08	4.0	5.0	80.0	6083.9	3.4	18.6	1400.8	62.2	764.4	104.6	301.2	191.7	311.7	337.5	3.1	13.8	1.3	569.5	606.9	550.5	19.0
SMDH 00796	813295.82	8197695.54	171.08	5.0	6.0	80.0	5762.4	3.4	16.4	1450.7	58.7	716.9	87.3	251.3	160.0	260.1	281.7	3.1	11.8	1.3	412.7	447.7	394.0	18.6
SMDH 00796	813295.82	8197695.54	171.08	6.0	7.0	80.0	6574.8	3.6	19.5	1613.9	63.0	957.8	111.9	322.4	205.2	333.6	361.3	3.2	14.6	1.3	662.6	699.9	643.2	19.4
SMDH 00796	813295.82	8197695.54	171.08	7.0	7.1	20.0	4659.0	2.5	12.9	1299.4	44.0	713.4	63.6	183.2	116.6	189.6	205.3	2.2	9.1	1.3	443.5	469.5	429.8	13.6
SMDH 00797	813583.57	8197714.88	171.50	0.0	1.0	30.0	2250.6	1.2	8.6	255.4	25.0	307.5	39.1	112.5	71.6	116.4	126.1	1.1	6.8	0.6	139.1	155.5	132.6	6.5
SMDH 00797	813583.57	8197714.88	171.50	1.0	2.0	80.0	3242.7	1.8	12.4	327.0	39.9	471.5	55.3	159.4	101.4	164.9	178.6	1.6	9.8	0.8	168.7	194.2	157.5	11.2
SMDH 00797	813583.57	8197714.88	171.50	2.0	3.0	80.0	3476.3	1.8	12.4	507.1	44.3	541.9	62.8	181.0	115.2	187.3	202.8	1.6	9.7	0.9	259.4	287.0	246.2	13.2
SMDH 00797	813583.57	8197714.88	171.50	3.0	4.0	80.0	3765.1	2.0	11.5	805.2	44.8	820.6	54.8	157.9	100.5	163.4	177.0	1.8	8.8	0.8	303.8	331.5	290.4	13.4
SMDH 00797	813583.57	8197714.88	171.50	4.0	5.0	80.0	4336.8	2.3	13.8	890.5	59.0	732.2	77.8	224.1	142.7	232.0	251.2	2.0	10.5	1.1	474.7	511.5	457.2	17.5
SMDH 00797	813583.57	8197714.88	171.50	5.0	6.0	80.0	4244.1	2.5	10.8	1244.2	25.8	571.7	54.6	157.2	100.1	162.7	176.2	2.3	7.0	1.3	215.6	231.4	208.4	7.3
SMDH 00797	813583.57	8197714.88	171.50	6.0	7.0	80.0	3188.0	1.8	8.1	916.9	7.4	479.4	42.7	123.1	78.3	127.4	137.9	1.6	4.8	1.4	61.1	65.2	59.4	1.7
SMDH 00797	813583.57	8197714.88	171.50	7.0	8.0	80.0	4356.3	2.6	11.4	1217.2	7.5	499.5	71.8	206.7	131.6	213.9	231.6	2.4	7.4	1.4	62.9	67.3	61.4	1.5
SMDH 00797	813583.57	8197714.88	171.50	8.0	8.5	20.0	4380.7	2.7	10.5	1373.1	5.6	514.3	57.8	166.6	106.0	172.4	186.7	2.4	6.5	1.3	40.9	43.8	39.5	1.4
SMDH 00798t	813850.30	8197688.98	171.72	0.0	1.0		5952.0	3.4	17.6	1276.4	78.0	1232.9	98.5	283.7	180.6	293.6	318.0	3.1	13.1	1.1	449.7	499.4	427.5	22.2
SMDH 00798t	813850.30	8197688.98	171.72	1.0	2.0		6196.3	3.4	18.6	1366.3	80.2	1159.0	105.6	304.2	193.7	314.8	340.9	3.1	14.0	1.2	540.6	592.0	518.3	22.2
SMDH 00798t	813850.30	8197688.98	171.72	2.0	2.3		7131.7	3.4	17.6	2095.7	118.7	2433.4	95.6	275.3	175.3	284.9	308.5	2.8	13.0	1.2	1084.0	1159.0	1050.1	33.9
SMDH 00781	813171.25	8197438.13	170.16	0.0	1.0		4063.0	2.3	14.3	557.2	46.6	655.6	77.0	221.9	141.2	229.6	248.7	2.1	11.1	0.9	235.8	265.7	222.6	13.2
SMDH 00781	813171.25	8197438.13	170.16	1.0	2.0		4942.5	2.6	15.2	887.2	66.6	1590.2	89.8	258.7	164.7	267.7	289.9	2.2	11.7	0.9	447.2	489.0	427.9	19.2
SMDH 00781	813171.25	8197438.13	170.16	2.0	3.0		6255.2	3.4	16.9	1778.3	71.3	988.6	89.3	257.1	163.7	266.1	288.1	3.1	12.2	1.2	689.0	732.7	668.7	20.3
SMDH 00781	813171.25	8197438.13	170.16	3.0	4.0		6182.6	3.6	16.8	1787.2	57.7	658.2	89.6	258.0	164.2	267.0	289.1	3.2	12.1	1.2	582.0	616.1	564.8	17.2
SMDH 00781	813171.25	8197438.13	170.16	4.0	5.0		6862.8	4.0	16.8	2340.4	47.3	576.9	89.2	257.0	163.6	266.0	288.0	3.6	11.6	1.1	506.4	534.5	492.1	14.4
SMDH 00781	813171.25	8197438.13	170.16	5.0	6.0		7150.1	4.1	18.2	2335.6	50.3	744.4	101.4	292.1	185.9	302.2	327.3	3.6	12.9	1.2	647.2	676.8	632.0	15.2
SMDH 00781	813171.25	8197438.13	170.16	6.0	7.0		5977.5	3.4	16.4	1728.7	33.1	661.7	94.6	272.4	173.4	281.9	305.3	3.0	11.8	1.2	497.1	516.3	487.5	9.6
SMDH 00781	813171.25	8197438.13	170.16	7.0	8.0		5704.9	3.1	16.2	1542.2	42.7	810.3	93.0	268.0	170.6	277.3	300.3	2.7	11.9	1.3	597.5	623.0	585.2	12.2
SMDH 00781	813171.25	8197438.13	170.16	8.0	8.5		6398.7	3.6	19.6	1445.5	31.2	985.1	120.9	348.1	221.6	360.3	390.2	3.2	14.6	1.4	480.7	498.4	471.4	9.3

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00035	96.9	93.18	0.14	22.49	83.48	184.14	19.76	68.18	11.27	1.01	7.38	0.80	4.44	0.77	2.16	0.27	2.68	0.25	35.13	1.87	15.68	704.04	714.06	1.49	
SMDH 00035	103.1	97.33	0.13	24.78	84.42	208.88	20.00	71.64	12.30	1.01	7.49	0.92	4.77	0.88	2.05	0.27	2.27	0.25	37.40	1.67	14.86	653.11	689.79		
SMDH 00035	107.8	102.24	0.11	25.75	92.45	197.92	21.44	75.11	11.73	1.23	8.06	0.92	4.77	0.99	2.16	0.27	2.27	0.25	36.49	1.35	13.21	563.01	591.15		1.46
SMDH 00035	75.0	70.51	0.08	19.10	62.53	128.69	15.54	50.84	9.31	0.89	6.13	0.69	3.44	0.77	1.73	0.27	1.86	0.25	23.23	0.94	6.72	320.27	373.06	1.62	
SMDH 00035	98.5	98.21	0.10	20.43	86.63	180.73	21.32	71.64	11.84	1.23	7.49	0.80	4.44	0.88	1.73	0.27	2.07	0.25	31.96	1.15	8.14	359.58	492.68		
SMDH 00035	97.1	89.66	0.09	24.54	78.59	166.23	18.43	65.87	10.92	1.34	7.04	0.92	4.44	0.88	2.05	0.27	2.17	0.25	30.03	1.25	8.96	382.41	457.49		1.42
SMDH 00035	101.4	89.85	0.11	28.53	76.03	165.01	18.67	64.71	10.23	1.68	7.83	0.92	5.55	1.10	2.70	0.27	2.68	0.25	29.47	1.67	6.96	301.36	409.47		
SMDH 00035	91.8	83.47	0.09	23.82	70.33	162.94	16.99	61.24	9.08	1.45	6.13	0.80	4.44	0.88	1.94	0.27	2.07	0.25	26.97	1.67	7.43	339.46	332.85	0.96	
SMDH 00035	111.3	107.46	0.12	24.18	89.31	195.24	21.93	79.73	12.53	1.56	8.28	0.92	4.88	0.88	2.05	0.27	1.76	0.25	39.33	1.67	10.02	455.22	350.18		1.57
SMDH 00035	97.1	85.58	0.16	28.41	74.40	165.13	18.31	61.24	10.12	1.45	6.81	0.92	5.10	0.99	2.59	0.27	2.79	0.25	30.71	1.67	10.38	463.32	534.81		
SMDH 00035	101.7	85.87	0.17	32.16	78.94	170.74	18.31	60.09	10.35	2.01	6.24	1.03	6.44	1.10	2.92	0.27	3.51	0.25	26.97	1.46	9.67	428.88	556.65		
SMDH 00035	123.3	106.47	0.23	37.96	97.57	208.64	22.89	75.11	12.42	1.79	7.15	1.03	7.44	1.31	3.67	0.64	3.61	0.50	35.25	2.19	8.61	385.79	598.78		1.53
SMDH 00035	108.3	98.33	0.15	28.17	84.42	182.80	19.40	72.80	11.04	1.23	7.26	0.92	5.22	0.99	2.38	0.27	2.89	0.25	34.68	1.98	8.49	353.37	493.03		
SMDH 00035	47.6	42.82	0.15	12.33	36.56	78.61	8.67	31.20	5.86	1.12	3.86	0.29	2.66	0.27	1.08	0.27	1.24	0.25	13.03	0.83	7.31	313.52	461.65	1.23	1.52
SMDH 00035	16.3	13.31	0.05	4.35	13.97	26.32	2.89	9.24	1.26	1.56	1.02	0.29	0.89	0.27	0.27	0.27	0.26	0.25	3.29	0.26	4.48	200.59	296.27		
SMDH 00035	12.8	9.93	0.05	3.26	10.94	21.81	2.05	6.93	1.15	1.68	0.79	0.29	0.67	0.27	0.27	0.27	0.26	0.25	2.38	0.26	6.37	306.23	310.14		
SMDH 00035	12.8	9.93	0.05	3.26	10.94	21.81	2.05	6.93	1.15	1.68	0.79	0.29	0.67	0.27	0.27	0.27	0.26	0.25	2.38	0.26	6.37	306.23	310.14		
SMDH 00036	80.5	75.94	0.08	18.98	63.81	137.71	15.90	55.47	10.58	1.45	6.92	0.80	3.77	0.66	1.62	0.27	1.76	0.25	27.88	1.46	7.90	334.86	549.72		1.60
SMDH 00036	117.8	104.50	0.10	33.73	85.11	179.27	21.81	75.11	14.37	1.34	9.31	1.26	6.33	1.10	2.81	0.27	3.10	0.25	37.40	2.19	15.57	630.28	745.96		
SMDH 00036	89.0	85.37	0.09	20.43	69.98	149.41	17.95	62.40	10.69	1.12	7.49	0.92	4.11	0.66	1.51	0.27	1.76	0.25	33.55	1.98	14.15	566.39	556.48		
SMDH 00036	49.4	46.95	0.12	12.57	42.03	85.80	11.20	32.36	5.75	1.12	4.65	0.29	3.11	0.27	0.97	0.27	1.14	0.25	16.43	1.46	6.25	265.97	522.50		1.35
SMDH 00036	63.5	63.29	0.16	12.81	55.66	123.09	13.61	46.22	9.08	1.01	5.67	0.57	2.89	0.27	1.19	0.27	1.14	0.25	25.27	2.08	8.73	376.87	747.52	2.81	
SMDH 00036	44.9	45.78	0.13	8.10	39.59	84.33	9.88	33.51	6.78	0.89	3.97	0.29	2.11	0.27	0.65	0.27	0.72	0.25	15.98	1.15	6.25	259.35	551.97		
SMDH 00036	46.0	44.61	0.12	9.67	41.10	83.36	9.64	32.36	5.75	1.34	3.97	0.29	2.33	0.27	0.76	0.27	0.83	0.25	14.28	1.04	3.77	168.58	352.61	1.91	1.19
SMDH 00036	35.6	35.68	0.12	6.04	34.12	71.54	7.71	26.58	4.02	1.56	2.84	0.29	1.11	0.27	0.54	0.27	0.62	0.25	11.33	0.83	4.95	266.92	583.35		
SMDH 00036	80.8	82.32	0.12	15.23	75.33	158.55	18.55	60.09	10.69	1.79	5.90	0.57	3.11	0.55	1.30	0.27	1.55	0.25	29.01	1.46	11.79	511.55	701.75		
SMDH 00036	24.9	23.69	0.07	4.96	22.47	45.70	5.18	17.33	2.76	1.45	1.59	0.29	0.89	0.27	0.27	0.27	0.26	0.25	7.37	0.26	6.37	266.11	541.57		1.72
SMDH 00036	40.5	39.40	0.10	8.58	37.49	77.87	8.67	28.89	5.40	1.23	3.29	0.29	1.55	0.27	0.76	0.27	0.93	0.25	13.71	1.04	6.49	292.18	671.24		
SMDH 00036	108.0	111.39	0.12	19.22	99.44	208.28	24.21	82.04	12.88	1.56	7.04	0.80	4.33	0.77	1.94	0.27	1.96	0.25	37.74	1.77	12.62	560.85	1012.58	0.79	
SMDH 00036	56.9	54.09	0.13	12.69	49.14	102.00	11.57	39.29	6.90	1.68	3.97	0.57	2.66	0.27	1.08	0.27	1.14	0.25	18.36	1.56	13.33	603.81	1098.39		1.56
SMDH 00036	100.0	97.87	0.14	21.64	88.72	190.12	21.20	71.64	10.81	1.68	7.26	0.80	4.22	0.77	1.94	0.27	1.86	0.25	33.55	1.87	10.02	461.84	711.28		
SMDH 00036	70.0	63.94	0.15	18.13	57.64	122.24	13.37	46.22	7.93	1.34	5.67	0.57	3.77	0.66	1.62	0.27	2.07	0.25	20.06	1.56	5.42	224.23	616.63		
SMDH 00036	98.5	87.19	0.13	28.17	78.59	170.74	18.55	62.40	11.04	1.68	6.70	0.80	5.44	0.99	2.92	0.27	2.99	0.25	29.81	1.67	6.13	257.46	525.62		1.33
SMDH 00036	96.4	94.15	0.12	21.16	89.07	179.27	20.36	69.33	10.58	1.45	6.70	0.69	3.77	0.88	1.84	0.27	1.96	0.25	30.26	1.77	10.26	440.63	641.59		
SMDH 00036	91.2	85.43	0.11	23.09	84.30	169.15	18.67	62.40	10.35	1.34	6.01	0.80	3.55	0.88	2.05	0.27	2.07	0.25	29.13	1.77	10.85	485.07	783.05	0.88	1.59
SMDH 00036	87.6	69.22	0.16	30.47	60.90	124.79	13.73	49.69	7.82	1.68	5.67	0.80	4.99	1.21	2.59	0.53	2.89	0.25	20.74	1.67	15.21	680.13	902.67		
SMDH 00036	87.6	69.22	0.16	30.47	60.90	124.79	13.73	49.69	7.82	1.68	5.67	0.80	4.99	1.21	2.59	0.53	2.89	0.25	20.74	1.67	15.21	680.13	902.67		
SMDH 00037	151.6	151.72	0.06	31.07	121.33	266.41	31.92	112.09	19.66	0.78	12.48	1.38	6.33	1.10	2.59	0.27	2.79	0.25	62.11	3.33	27.71	1208.43	314.82		
SMDH 00037	144.7	131.15	0.13	35.91	125.05	244.35	24.21	98.22	18.40	1.90	10.89	1.61	7.10	1.21	2.92	0.27	2.79	0.25	51.23	2.50	12.26	570.98	594.62		1.41
SMDH 00037	59.1	54.39	0.08	13.54	52.98	101.03	10.60	40.44	7.01	1.79	4.20	0.57	2.77	0.27	1.08	0.27	1.03	0.25	20.74	0.73	7.90	385.79	423.86		
SMDH 00037	81.7	84.44	0.09	12.45	82.55	165.01	16.87	63.56	11.38	1.68	6.81	0.80	3.22	0.27	0.86	0.27	0.72	0.25	30.37	1.04	5.31	242.60	479.33		
SMDH 00037	107.8	107.55	0.13	19.83	100.37	209.13	21.08	80.89	13.91	1.45	8.28	1.03	4.55	0.77	1.62	0.27	1.65	0.25	45.45	1.15	7.67	356.07	627.90		
SMDH 00037	50.4	52.06	0.07	7.50	53.79	107.61	10.60	39.29	6.78	1.45	4.20	0.29	1.89	0.27	0.54	0.27	0.26	0.25	22.67	0.52	6.01	270.16	472.57	0.85	
SMDH 00037	45.1	45.78	0.07	6.77	47.86	92.01	9.28	34.67	6.09	1.79	3.06	0.29	1.55	0.27	0.54	0.27	0.52	0.25	18.93	0.26	4.72	241.12	419.35		1.68
SMDH 00037	111.6	115.25	0.14	17.05	112.36	225.46	22.29	87.82	15.64	1.56	8.40	1.03	4.11	0.55	1.40	0.27	1.14	0.25	48.51	1.15	9.91	467.65	772.13		
SMDH 00037	75.5	79.19	0.07	10.03	76.73	154.90	15.30	60.09	11.38	1.56	6.01	0.80	3.00	0.27	0.86	0.27	0.83	0.25	33.77	0.83	5.31	239.36	377.23		
SMDH 00037	97.1	96.66	0.09	19.34	80.22	171.84	19.88	71.64	13.68	1.01	8.51	0.92	4.22	0.77	1.73	0.27	1.86	0.25	34.79	1.56	9.32	367.28	536.19	1.00	1.74
SMDH 00037	119.3	134.59	0.09	11.12	119.81	246.54	27.83	102.84	17.02	1.45	10.10	0.92	3.00	0.27	0.76	0.27	0.52	0.25	47.94	1.98	11.20	463.19	918.45		
SMDH 00037	76.9	78.91	0.07	13.30	71.03	140.27	17.11	57.78	9.66	1.79	6.92	0.80	3.22	0.55	1.08	0.27	1.14	0.25	25.95	1.25	6.01	243.55	536.19		
SMDH 00037	108.0	125.08	0.09	8.70	114.81	237.89	27.35	93.60	16.21	1.56	8.97	0.92	3.22	0.27	0.27	0.27	0.26	0.25	46.13	1.46	9.43	399.30	803.16		1.60
SMDH 00037	81.8	78.96	0.05	18.50	64.85	149.90	15.90	58.93	10.23	0.28	6.58	0.69	3.44	0.66	1.73	0.27	1.76	0.25	31.28	1.67	13.80	571.66	341.51		
SMDH 00037	106.9	110.57	0.09	18.38	95.24	202.18	23.61	82.04	14.03	1.56	9.19	1.03	3.88	0.66	1.40	0.27	1.55	0.25	40.35	1.56	8.84	379.71	710.42	1.56	
SMDH 00037	106.9	110.57	0.09	18.38	95.24	202.18	23.61	82.04	14.03	1.56	9.19	1.03	3.88	0.66	1.40	0.27	1.55	0.25	40.35	1.56	8.84	379.71	710.42	1.56	
SMDH 00038	152.9	139.17	0.12	43.16	114.92	236.91	31.20	99.38	19.55	1.79	11.24	1.26	7.32	1.21	3.35	0.27	3.10	0.50	43.75	1.98	22.17	1156.01	577.11	2.03	
SMDH 00038	158.2	147.83	0.12	42.07	118.65	253.37	33.49	106.31	18.86	1.79	11.46	1.15	6.88	1.21	3.46	0.27	3.30	0.25	51.45	2.19	19.10	828.58	553.36		
SMDH 00038	122.1	126.57	0.08	21.88	102.35	220.71	27.95	93.60	15.87	1.56	8.74	0.80	4.22	0.66	1.84	0.27	1.65	0.25	51.23	1.56	8.25	367.82	581.96		1.50
SMDH 00038	77.0	84.05	0.05	11.36	75.80	156.24	19.64	61.24	10.69	1.23	6.01	0.29	2.89	0.27	1.08	0.27	0.72	0.25	41.03	1.04	4.60	178.98	306.32		
SMDH 00038	80.5	87.79	0.05	11.36	77.08	162.57	20.24	64.71	11.15	1.56	5.67	0.29	2.55	0.27	0.76	0.27	0.62	0.25	36.83	0.83	3.89	145.62	358.68	1.13	1.26
SMDH 00038	94.5	106.16	0.06	11.85	88.96	197.06	25.06	77.42	14.60	1.56	7.94	0.69	3.00	0.27	0.76	0.27	0.26	0.25	47.26	1.35	5.66	234.50	417.96		
SMDH 00038	87.7	98.42	0.05	9.43	97.57	192.92	21.56	73.96	10.69	1.45	6.24	0.57	2.33	0.27	0.65	0.27	0.52	0.25	37.74	0.83	5.66	249.63	403.23		
SMDH 00038	54.2	58.76	0.06	6.65	57.52	116.14	13.01	43.91	7.13	1.79	4.09	0.29	1.55	0.27	0.54	0.27	0.52	0.25	24.14	0.62	9.55	420.50	613.86		1.63
SMDH 00038	105.2	118.56	0.04	10.76	108.17	222.05	25.90	88.98	14.26	1.79	7.83	0.69	3.00	0.27	0.27	0.27	0.26	0.25	45.22	0.94	4.13	178.31	232.65		
SMDH 00038	107.4	120.17	0.05	11.00	115.39	245.81	25.42	91.29	14.26	1.68	8.06	0.69	2.77	0.27	0.54	0.27	0.26	0.25	47.60	1.25	5.90	233.69	329.21	0.36	
SMDH 00039	95.5	97.54	0.13	18.74	79.87	195.72	21.81	70.49	12.65	1.01	7.04	0.92	4.33	0.77	1.94	0.27	2.38	0.25	46.92	1.87	25.12	1047.28	704.87		1.59
SMDH 00039	165.6	155.19	0.09	41.47	131.34	185.97	33.73	112.09	18.17	2.68	12.14	1.38	7.99	1.42	4.21	0.64	3.92	0.25	28.79	1.04	13.21	570.31	673.84		
SMDH 00039	132.3	132.10	0.13	27.32	123.89	250.32	28.67	97.07	15.75	1.56	9.53	1.15	5.22	0.99	2.81	0.27	2.38	0.25	51.00	1.25	12.97	571.52	889.15	3.94	
SMDH 00039	101.7	110.98	0.11	14.27	96.99	206.08	24.70	82.04	13.11	1.12	7.83	0.80	3.44	0.27	1.40	0.27	1.14	0.25	44.65	1.15	14.27	631.36	739.02		1.41
SMDH 00039	72.7	71.13	0.07	14.99	69.63	153.31	14.58	53.16	9.31	1.12	4.65	0.29	3.11	0.27	1.19	0.27	1.14	0.25	28.22	0.73	7.19	356.75	632.23		
SMDH 00039	139.8	130.63	0.12	35.66	112.13	232.77	28.07	94.76	15.87	1.56	11.01	1.26	6.55	1.21	4.21	0.27	3.10	0.50	47.49	1.35	10.85	483.32	676.09		
SMDH 00039	101.3	105.32	0.06	16.93	94.31	192.92	22.77	77.42	11.96	1.79	8.17	0.80	4.33	0.55	1.84	0.27	1.03	0.25	38.31	1.15	9.08	418.34	341.34	1.10	1.48
SMDH 00039	110.5	116.39	0.08	17.65	104.79	213.88	25.30	85.51	14.14	1.79	8.97	1.03	4.55	0.66	1.94	0.27	0.93	0.25	42.73	1.25	8.84	386.33	547.81		
SMDH 00039	140.2	130.26	0.13	36.15	114.22	238.50	28.07	93.60	17.25	1.90	10.67	1.38	7.21	1.21	4.00	0.27	2.68	0.25	47.15	1.46	10.50	462.11	689.09		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00039	164.1	143.48	0.14	49.20	122.14	259.09	30.60	102.84	18.63	2.01	12.03	1.61	8.43	1.64	5.62	0.64	3.82	0.60	49.75	1.46	10.02	433.47	773.87		1.67
SMDH 00039	141.3	120.06	0.15	45.34	105.02	221.19	25.78	84.36	16.44	1.68	10.89	1.38	8.54	1.53	5.19	0.64	3.92	0.50	41.14	1.98	11.67	528.30	784.79	0.58	
SMDH 00039	162.6	147.75	0.13	46.30	119.35	264.46	33.01	105.16	19.55	1.56	11.58	1.26	8.32	1.31	3.46	0.27	2.79	0.60	56.67	1.67	12.50	563.28	876.32		
SMDH 00039	147.5	141.82	0.13	34.21	121.68	253.00	30.12	104.00	16.33	1.56	10.33	1.26	6.44	1.31	2.81	0.27	3.51	0.25	52.81	1.46	12.26	509.52	828.99	1.65	1.59
SMDH 00039	148.4	144.59	0.12	35.06	117.83	253.98	32.41	105.16	17.13	1.12	10.33	1.03	5.99	1.21	3.13	0.27	3.20	0.25	53.15	1.04	10.73	525.33	829.34		1.47
SMDH 00039	164.0	157.83	0.12	40.02	126.80	279.81	35.78	113.24	20.93	1.90	11.12	1.15	7.66	1.31	3.57	0.27	3.61	0.60	62.67	1.25	11.67	507.36	797.96		
SMDH 00040	234.6	243.35	0.08	37.72	197.71	402.29	47.71	186.04	28.05	1.23	16.23	1.72	7.88	1.31	2.92	0.27	2.48	0.50	85.11	3.54	23.82	1079.56	321.23		
SMDH 00040	217.6	221.02	0.12	38.69	181.29	381.70	43.49	168.71	24.72	1.34	15.09	1.49	7.32	1.31	2.92	0.27	2.68	0.25	81.60	2.81	18.75	835.60	587.68		1.28
SMDH 00040	199.1	205.99	0.11	31.67	173.72	358.17	40.36	157.16	24.14	1.79	13.05	1.38	7.10	1.10	2.59	0.27	1.86	0.25	73.21	2.60	12.97	577.06	793.46		
SMDH 00040	227.1	226.36	0.16	43.64	186.06	388.40	44.69	172.18	25.75	1.79	14.87	1.61	7.88	1.42	3.46	0.53	2.99	0.50	78.20	1.87	13.44	574.09	658.24	1.25	
SMDH 00040	91.6	84.06	0.09	22.24	74.17	147.10	16.26	63.56	8.85	1.56	5.56	0.69	3.55	0.77	1.94	0.27	1.76	0.25	28.79	0.73	5.31	238.96	477.95		1.53
SMDH 00040	173.7	148.36	0.15	51.50	124.82	246.54	27.95	110.93	15.98	1.79	10.33	1.38	8.10	1.64	4.43	0.74	4.44	0.70	48.96	1.04	7.31	312.30	544.51		
SMDH 00040	87.4	95.05	0.09	12.09	82.90	160.14	21.32	70.49	11.27	1.56	6.13	0.69	2.55	0.27	1.30	0.27	1.24	0.25	36.27	0.83	11.09	462.11	743.88		
SMDH 00040	136.2	126.56	0.13	35.42	111.89	232.04	26.86	92.44	16.44	1.12	9.42	1.15	6.10	1.10	2.81	0.27	2.68	0.25	44.20	1.35	11.67	492.91	670.20		
SMDH 00040	192.4	196.00	0.12	36.99	161.96	347.08	41.80	145.60	22.65	1.23	13.28	1.49	7.10	1.31	3.13	0.53	3.72	0.25	72.87	2.40	13.80	600.03	644.37		
SMDH 00040	121.5	142.61	0.12	9.43	118.07	239.47	31.68	107.47	17.02	1.12	8.85	0.69	2.77	0.27	0.86	0.27	0.62	0.25	56.78	1.67	19.58	855.73	1448.75	0.88	1.71
SMDH 00040	178.5	185.77	0.11	31.19	145.31	294.68	40.12	137.51	22.19	1.68	11.69	1.38	6.77	1.10	2.92	0.27	2.89	0.25	71.74	1.67	13.92	636.09	930.41		
SMDH 00040	194.1	195.86	0.14	39.29	153.11	310.65	42.65	143.29	24.60	1.56	14.53	1.61	8.32	1.42	3.67	0.53	3.51	0.25	73.33	2.08	16.39	712.28	904.58		
SMDH 00040	174.5	166.60	0.11	42.31	132.97	271.40	35.90	121.33	21.39	1.45	13.73	1.38	7.99	1.21	3.46	0.27	3.20	0.25	61.99	1.56	10.50	453.06	717.87		1.55
SMDH 00040	187.1	185.73	0.13	40.38	149.04	304.43	40.60	135.20	22.19	1.56	13.05	1.61	8.32	1.42	3.57	0.53	3.61	0.50	75.14	2.08	13.44	581.11	896.78	0.52	
SMDH 00040	32.6	31.24	0.05	6.04	27.71	50.82	6.63	23.11	3.22	1.90	2.16	0.29	1.22	0.27	0.54	0.27	0.72	0.25	10.43	0.26	3.77	166.42	409.47		
SMDH 00040	32.6	31.24	0.05	6.04	27.71	50.82	6.63	23.11	3.22	1.90	2.16	0.29	1.22	0.27	0.54	0.27	0.72	0.25	10.43	0.26	3.77	166.42	409.47		
SMDH 00041																							488.52		
SMDH 00041	98.1	83.59	0.10	30.95	73.70	174.64	17.59	60.09	10.58	1.12	7.04	0.92	4.99	0.88	3.03	0.27	2.79	0.25	29.13	1.46	6.25	269.48	564.62		
SMDH 00041	108.5	92.76	0.10	33.49	82.32	173.66	19.28	67.02	12.07	1.56	7.72	0.92	5.55	1.21	3.46	0.53	3.30	0.25	31.17	1.46	7.55	323.92	592.71	1.05	1.30
SMDH 00041	127.4	119.46	0.09	31.80	100.37	222.29	25.54	86.67	14.49	1.68	10.10	1.26	5.99	1.10	3.03	0.27	2.58	0.25	45.90	2.50	8.49	355.13	520.59		
SMDH 00041	143.5	132.69	0.09	36.51	111.66	241.67	27.59	97.07	16.90	1.90	12.14	1.38	6.66	1.21	3.78	0.64	3.20	0.50	51.57	2.40	8.61	336.89	594.96		
SMDH 00041	132.7	127.83	0.10	29.98	111.55	240.33	26.86	93.60	15.75	1.79	10.55	1.26	6.10	1.10	2.70	0.27	2.58	0.25	48.51	2.29	9.08	386.19	696.38		1.50
SMDH 00041	114.8	106.43	0.09	29.14	92.10	198.16	22.65	77.42	13.57	1.90	9.19	1.03	5.33	0.99	2.81	0.27	2.48	0.25	40.46	1.98	9.43	387.54	592.71	0.80	
SMDH 00041	118.6	104.07	0.11	34.94	87.91	193.29	22.05	75.11	13.11	1.68	9.19	1.15	5.77	1.21	3.46	0.64	3.61	0.50	39.55	2.29	13.09	515.87	845.12		
SMDH 00041	114.1	98.88	0.08	35.06	84.07	182.44	21.81	70.49	12.19	2.01	8.62	1.03	5.55	1.21	3.46	0.53	3.20	0.50	36.83	1.77	7.43	301.90	459.74		1.54
SMDH 00041	165.8	152.32	0.13	43.64	130.99	290.42	32.17	109.78	18.86	2.01	13.62	1.61	8.77	1.53	4.43	0.74	4.03	0.50	58.14	2.81	15.45	570.44	831.07		
SMDH 00041	117.4	112.12	0.09	27.56	99.20	215.95	24.09	80.89	14.26	1.79	9.76	1.15	5.99	0.88	2.49	0.27	2.48	0.25	43.41	2.50	10.85	430.36	610.74	0.63	
SMDH 00041	119.3	111.87	0.08	29.38	94.20	204.62	23.73	80.89	14.14	1.79	9.99	1.15	6.10	0.99	2.27	0.27	2.17	0.25	42.39	2.08	9.32	389.71	646.97		1.53
SMDH 00041	146.9	144.23	0.09	30.95	121.56	264.82	30.00	106.31	17.13	1.68	12.03	1.38	6.55	1.10	2.27	0.27	1.86	0.25	54.29	3.02	9.20	413.21	658.76		
SMDH 00041	116.4	110.74	0.11	27.56	93.73	200.84	23.49	80.89	14.14	1.56	9.31	1.03	5.33	0.88	2.38	0.27	2.27	0.25	41.59	1.98	10.50	438.06	781.49		
SMDH 00041	135.7	143.28	0.12	21.28	121.44	261.53	30.72	106.31	18.40	1.90	11.58	1.15	5.10	0.88	1.84	0.27	1.65	0.25	52.59	2.29	13.33	595.70	708.34	0.40	1.51
SMDH 00041	127.9	130.09	0.09	23.70	112.94	242.89	27.71	95.91	17.02	1.79	9.99	1.15	5.33	0.77	1.73	0.27	1.86	0.25	51.11	1.87	8.25	359.99	677.65		
SMDH 00041	178.3	170.11	0.12	39.53	147.17	296.75	33.25	128.27	20.12	1.90	13.39	1.49	7.10	1.31	3.46	0.64	3.72	0.60	60.63	2.60	17.92	979.87	601.38		
SMDH 00041	105.1	106.93	0.09	18.26	97.11	192.43	21.68	80.89	12.76	1.56	7.94	0.80	3.55	0.77	2.05	0.27	2.07	0.25	35.70	1.56	9.20	388.90	597.56	0.58	
SMDH 00041	105.1	106.93	0.09	18.26	97.11	192.43	21.68	80.89	12.76	1.56	7.94	0.80	3.55	0.77	2.05	0.27	2.07	0.25	35.70	1.56	9.20	388.90	597.56	0.58	
SMDH 00042	118.1	112.41	0.09	28.65	101.07	217.42	24.33	82.04	13.45	1.34	8.97	1.03	4.99	0.88	2.27	0.27	2.38	0.25	43.41	1.87	8.61	364.58	510.02		0.92
SMDH 00042	126.2	113.05	0.12	35.91	99.20	207.18	24.58	80.89	12.53	1.79	9.31	1.15	6.44	1.10	2.70	0.27	3.10	0.25	38.19	1.98	8.73	352.56	667.77		
SMDH 00042	124.5	112.96	0.12	35.06	97.57	209.74	24.82	80.89	12.07	1.34	8.62	1.15	6.10	1.10	2.59	0.27	3.20	0.25	36.95	1.46	10.97	453.33	658.06		
SMDH 00042	123.8	119.76	0.10	28.77	105.72	227.04	26.02	87.82	12.99	1.34	8.62	0.92	4.99	0.88	2.05	0.27	2.17	0.25	41.37	1.25	8.49	318.11	561.85	0.75	1.48
SMDH 00042	142.7	125.16	0.13	43.88	110.50	233.14	27.71	88.98	14.37	1.34	10.44	1.38	7.10	1.31	3.24	0.27	3.72	0.25	42.95	2.50	8.96	347.02	659.97		
SMDH 00042	117.4	99.99	0.10	37.24	87.68	186.22	21.20	71.64	10.92	1.34	8.51	1.15	5.99	1.10	2.81	0.27	3.30	0.25	34.23	1.46	7.55	284.48	579.19		
SMDH 00042	124.8	112.90	0.10	33.97	104.91	211.57	23.49	82.04	12.53	1.45	8.62	1.26	6.10	1.10	3.46	0.27	3.10	0.25	37.17	1.56	9.91	394.70	564.62	0.85	
SMDH 00042	127.9	111.01	0.09	38.08	98.27	201.94	22.65	80.89	12.99	1.45	8.40	1.03	6.44	1.21	4.11	0.53	3.61	0.25	35.25	1.25	7.67	289.75	662.74		
SMDH 00042	127.2	110.92	0.12	38.32	102.35	208.52	23.49	79.73	12.76	1.45	8.62	1.15	6.55	1.21	4.11	0.27	3.51	0.25	38.42	1.25	8.25	331.22	644.37		1.62
SMDH 00042	124.4	109.62	0.10	36.39	102.00	205.59	23.13	78.58	13.22	1.56	8.62	1.15	6.77	1.21	4.21	0.53	3.51	0.25	37.97	1.25	8.49	338.51	570.69		
SMDH 00042	135.6	129.85	0.10	32.04	121.33	246.66	28.07	94.76	15.52	1.79	10.33	1.15	5.88	1.10	3.46	0.27	3.10	0.25	45.11	1.35	9.08	358.23	628.07	0.34	
SMDH 00042	147.5	137.27	0.10	37.96	122.14	254.22	29.15	100.53	15.75	1.45	9.87	1.26	6.33	1.21	4.21	0.53	3.72	0.50	46.24	1.46	10.26	389.30	693.43		1.50
SMDH 00042	119.5	112.61	0.08	29.50	105.02	211.08	24.21	82.04	12.99	1.56	8.40	0.92	5.44	0.99	3.03	0.27	2.58	0.25	38.53	1.35	7.67	297.72	544.17		
SMDH 00042	119.0	108.02	0.11	32.04	98.62	198.28	22.53	78.58	11.84	1.45	8.28	1.03	5.88	1.10	3.46	0.27	2.89	0.25	36.04	1.98	9.08	340.54	558.38		
SMDH 00043	134.9	126.19	0.07	34.45	105.72	210.47	26.99	91.29	14.26	1.23	10.55	1.15	6.77	1.31	2.92	0.27	2.68	0.25	40.23	2.29	12.97	529.38	399.24		
SMDH 00043	231.4	216.62	0.09	54.28	156.14	268.97	41.08	162.93	27.02	1.56	16.68	2.07	10.54	1.97	6.16	0.74	4.34	0.60	77.07	3.23	14.51	641.09	541.05	1.46	1.57
SMDH 00043	230.0	225.76	0.11	49.81	191.07	386.57	47.34	165.24	25.75	1.79	19.63	2.18	10.99	1.86	4.00	0.53	3.20	0.50	76.27	3.64	16.98	721.73	703.83		
SMDH 00043	56.7	57.92	0.08	9.91	54.38	106.39	12.77	42.76	5.86	1.68	4.54	0.29	2.11	0.27	0.65	0.27	0.52	0.25	19.27	0.83	11.44	514.25	547.98		
SMDH 00043	72.8	72.60	0.10	14.14	66.48	127.60	15.54	53.16	8.51	1.56	5.79	0.69	3.22	0.27	1.08	0.27	0.93	0.25	22.78	1.04	11.56	495.47	668.81		1.52
SMDH 00043	105.4	104.22	0.12	21.40	89.19	178.42	21.93	76.27	12.07	1.68	8.74	1.03	4.99	0.88	1.73	0.27	1.24	0.25	35.70	1.46	10.97	479.53	747.69	0.75	
SMDH 00043	139.5	130.00	0.12	35.30	105.84	218.76	27.59	93.60	15.18	1.79	11.46	1.26	7.55	1.31	2.70	0.27	2.48	0.25	41.14	2.08	10.61	431.85	691.70		
SMDH 00043	157.5	143.05	0.16	42.43	121.09	256.29	30.12	104.00	18.05	2.12	12.60	1.61	7.32	1.42	3.03	0.27	2.89	0.25	52.93	2.50	11.09	446.98	821.71		1.52
SMDH 00043	156.7	138.15	0.16	46.18	117.95	253.85	29.52	99.38	17.94	1.90	11.58	1.49	7.77	1.53	3.24	0.27	3.61	0.25	49.53	2.19	11.09	459.27	885.16		
SMDH 00043	168.3	176.67	0.13	27.44	151.95	327.71	37.83	130.58	22.08	2.01	14.53	1.61	6.66	0.99	1.84	0.27	1.24	0.25	64.49	2.19	12.03	480.48	885.16	0.21	
SMDH 00043	168.3	176.67	0.13	27.44	151.95	327.71	37.83	130.58	22.08	2.01	14.53	1.61	6.66	0.99	1.84	0.27	1.24	0.25	64.49	2.19	12.03	480.48	885.16	0.21	
SMDH 00044	142.2	129.87	0.09	38.44	112.24	233.26	27.35	93.60	17.36	1.23	11.12	1.26	7.66	1.21	4.32	0.27	3.41	0.25	46.58	2.50	12.97	538.97	462.69		
SMDH 00044	164.6	146.10	0.14	47.03	122.61	253.98	30.24	105.16	18.28	1.68	13.05	1.49	9.21	1.64	5.62	0.64	3.92	0.25	52.47	2.92	10.02	437.93	584.21		
SMDH 00044	166.9	118.04	0.16	71.81	95.13	198.28	24.46	80.89	15.52	1.45	10.89	1.49	11.21	2.63	9.08	1.17	7.33	0.80	40.01	2.40	10.61	442.66	657.37		1.61
SMDH 00044	72.3	56.69	0.11	25.87	52.75	107.85	12.05	39.29	7.36	1.79	4.99	0.69	4.66	0.88	3.46	0.27	2.27	0.25	18.70	1.04	7.90	341.08	527.53	0.65	
SMDH 00044	152.9	118.10	0.20	57.30	103.63	206.20	24.09	83.20	13.68	1.56	9.87	1.38	9.43	1.97	7.13	0.85	5.58	0.70	38.08	1.87	13.44	552.21	950.34		
SMDH 00044	96.1	92.49	0.12	22.24	82.79	169.28	20.00	67.02	11.50	1.34	8.06	0.92	4.55	0.77	1.94	0.27	1.55	0.25	31.39	1.87	12.38	503.98	712.32		1.52
SMDH 00044	121.1	102.86	0.16	38.93	91.40	188.90	21.93	72.80	13.11	1.23	9.53	1.15	6.99	1.42	4.65	0.64	4.13	0.25	34.00	1.87	9.79	435.90	677.31		
SMDH 00044	134.5	128.88	0.13	32.16	114.69	237.89	28.07	92.44	16.56	1.56	10.89	1.38	6.99	1.21	3.57	0.27	2.48	0.25	44.65	2.71	10.26	435.09	704.00	0.29	
SMDH 00044	108.4	96.13	0.11	30.47	81.04	158.55	20.00	69.33	11.61	1.79	8.28	1.03	5.77	1.10	2.49	0.27	2.17	0.25	28.56	1.77	9.67	405.51	679.39		1.67
SMDH 00044	122.3	110.10	0.14	34.09	94.43	189.51	23.49	78.58	12.53	1.56	10.44	1.26	6.77	1.21	2.92	0.27	2.89	0.25	35.25	3.23	10.85	490.48	747.69		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00044	122.3	110.10	0.14	34.09	94.43	189.51	23.49	78.58	12.53	1.56	10.44	1.26	6.77	1.21	2.92	0.27	2.89	0.25	35.25	3.23	10.85	490.48	747.69		
SMDH 00045	132.9	118.79	0.07	39.29	106.89	220.34	26.62	84.36	15.52	1.45	10.10	1.15	6.66	1.31	4.43	0.27	3.61	0.50	44.20	2.40	15.45	674.59	592.88		1.53
SMDH 00045	155.7	142.16	0.10	43.28	119.81	249.83	31.32	101.69	17.71	1.56	12.26	1.38	7.77	1.42	4.75	0.53	3.82	0.60	51.23	2.81	20.05	885.04	610.39	2.31	
SMDH 00045	225.6	223.45	0.08	47.75	196.66	413.87	47.47	162.93	27.71	1.90	17.36	2.07	10.99	1.86	4.11	0.27	3.92	0.50	82.51	3.54	15.33	694.04	436.69		
SMDH 00045	119.5	97.34	0.09	40.50	83.83	175.13	19.76	69.33	12.65	1.45	8.51	1.15	7.10	1.64	3.24	0.53	3.72	0.25	34.23	2.29	7.90	346.07	514.87		1.58
SMDH 00045	134.7	109.71	0.12	46.54	97.22	200.60	23.25	77.42	14.26	1.68	9.31	1.38	7.66	1.53	4.32	0.53	3.82	0.25	38.31	2.50	9.55	384.71	688.40		
SMDH 00045	159.5	119.38	0.13	63.23	100.02	209.86	24.82	83.20	14.95	1.68	10.21	1.49	9.88	2.08	5.29	0.85	5.47	0.70	40.69	2.92	9.91	440.77	812.35	0.27	
SMDH 00045	173.0	160.00	0.12	44.61	136.58	290.05	33.25	116.71	19.78	1.68	12.94	1.61	8.43	1.75	3.46	0.27	3.30	0.25	57.23	3.54	11.91	531.54	793.28		1.48
SMDH 00045	128.8	129.70	0.15	24.78	112.36	232.53	26.99	95.91	15.87	1.34	9.53	1.15	5.66	0.88	1.84	0.27	1.34	0.25	45.56	2.71	19.58	862.89	1296.71		
SMDH 00045	140.6	140.59	0.15	27.68	121.33	253.98	29.15	102.84	17.59	1.45	11.01	1.49	7.10	1.21	2.16	0.27	1.55	0.25	49.07	3.23	16.98	771.85	1107.93		
SMDH 00045	181.6	153.63	0.18	58.39	128.66	276.40	31.92	109.78	16.79	1.45	13.05	1.72	10.21	2.08	5.40	0.74	6.09	0.80	53.04	3.12	14.62	667.57	1119.37	0.36	1.45
SMDH 00045	129.2	110.64	0.13	40.26	94.08	197.31	23.25	78.58	13.68	1.56	9.19	1.26	7.55	1.42	3.89	0.53	4.03	0.50	38.87	2.60	10.02	402.13	793.28		
SMDH 00045	83.1	80.82	0.08	17.41	70.09	148.07	16.38	60.09	9.66	1.23	6.47	0.69	3.66	0.55	1.73	0.27	1.24	0.25	28.45	1.25	8.73	328.24	557.00		
SMDH 00045	106.2	82.34	0.10	39.05	70.33	146.24	16.38	58.93	9.54	1.23	7.72	1.03	5.99	1.21	4.00	0.53	4.23	0.50	26.75	1.98	9.43	377.55	721.69		1.61
SMDH 00046	34.8	30.62	0.03	10.28	27.60	56.18	6.38	21.96	4.37	0.28	3.29	0.29	2.00	0.27	0.86	0.27	0.93	0.25	10.54	1.25	4.95	225.45	162.09		
SMDH 00046	61.9	55.73	0.05	16.68	48.90	95.79	11.44	40.44	8.62	0.89	5.33	0.29	3.55	0.55	1.73	0.27	1.65	0.25	17.45	1.46	6.60	304.88	439.63		
SMDH 00046	160.1	152.35	0.09	37.96	132.97	271.53	32.04	110.93	18.51	1.79	13.85	1.49	7.88	1.31	3.35	0.27	2.48	0.25	49.98	3.23	14.62	659.46	901.28		1.58
SMDH 00046	171.0	159.95	0.07	38.44	147.87	314.55	28.91	121.33	21.39	1.56	13.28	1.61	8.10	1.21	3.03	0.27	2.79	0.25	63.47	3.54	16.51	732.54	423.86		
SMDH 00046	230.6	215.84	0.13	55.73	180.59	369.75	42.77	159.47	26.79	1.79	18.27	2.07	11.54	1.86	4.65	0.64	4.54	0.50	73.55	3.85	21.11	930.03	912.21	1.28	
SMDH 00046	210.8	212.63	0.08	42.68	191.30	392.79	46.14	156.00	27.36	1.68	18.16	1.84	8.66	1.31	3.78	0.53	2.68	0.25	79.33	3.33	8.14	353.37	840.78		
SMDH 00046	73.4	69.55	0.09	17.29	64.85	132.23	14.58	50.84	9.20	1.12	6.36	0.69	3.44	0.27	1.62	0.27	1.65	0.25	24.59	1.25	6.01	237.07	1030.43		1.47
SMDH 00046	68.0	65.73	0.09	15.47	61.59	122.11	14.34	47.38	8.62	1.12	5.56	0.57	3.44	0.27	1.30	0.27	1.34	0.25	23.01	1.35	7.19	282.72	824.31		
SMDH 00046	88.0	84.00	0.09	20.91	77.90	158.31	18.07	61.24	10.81	1.12	7.94	0.80	3.88	0.77	2.05	0.27	1.65	0.25	30.83	2.40	10.02	394.16	738.67	1.08	
SMDH 00046	81.4	70.25	0.12	25.39	61.13	124.19	15.54	49.69	8.74	1.34	6.01	0.69	4.33	0.88	3.03	0.27	2.17	0.25	24.03	1.87	10.02	411.32	624.09		1.52
SMDH 00046	111.0	86.01	0.15	42.07	74.87	151.73	18.19	61.24	10.35	1.12	7.15	0.92	5.66	1.21	5.19	0.74	5.27	0.80	30.15	1.87	8.84	362.15	674.88		
SMDH 00046	107.7	87.53	0.13	37.24	73.59	163.79	18.55	62.40	11.15	1.45	7.49	1.03	5.55	1.31	4.86	0.64	3.92	0.60	29.01	1.25	6.72	272.59	608.31		
SMDH 00046	115.4	101.74	0.15	33.85	87.33	178.42	21.20	73.96	12.76	1.01	7.94	0.92	5.66	1.21	4.32	0.53	3.51	0.50	35.70	1.98	7.67	299.47	672.80		
SMDH 00046	101.2	90.34	0.14	28.41	77.08	157.70	18.67	65.87	11.50	1.12	7.72	0.80	4.99	0.99	3.35	0.27	3.10	0.50	31.05	1.56	7.31	317.44	756.70		
SMDH 00047	80.5	76.47	0.05	18.74	78.94	139.66	15.54	55.47	9.77	0.78	6.24	0.80	4.66	0.55	1.94	0.27	1.96	0.25	24.14	1.77	10.61	444.41	358.85		
SMDH 00047	116.5	113.68	0.09	26.60	103.86	213.39	25.06	82.04	15.29	1.23	10.21	1.03	5.55	0.99	2.05	0.27	1.65	0.25	39.21	2.60	11.32	478.59	432.87		1.56
SMDH 00047	140.6	148.82	0.08	24.66	141.82	286.39	34.09	107.47	18.74	1.23	12.94	1.38	5.88	0.88	1.84	0.27	1.55	0.25	54.51	3.64	10.02	402.40	383.47		
SMDH 00047	75.8	69.30	0.15	19.83	62.76	128.45	14.82	49.69	8.62	1.45	6.01	0.80	3.99	0.55	1.51	0.27	1.34	0.25	21.65	1.15	6.72	292.99	685.28		
SMDH 00047	71.1	64.56	0.12	19.22	61.13	126.87	14.09	46.22	8.28	1.45	5.79	0.69	3.55	0.66	1.62	0.27	1.45	0.25	21.42	1.04	7.19	303.25	605.54		1.39
SMDH 00047	75.8	69.93	0.13	20.07	68.58	138.93	15.66	49.69	9.54	1.45	6.36	0.80	3.77	0.66	1.73	0.27	1.96	0.25	24.71	1.15	8.25	349.59	632.06		
SMDH 00047	71.3	67.13	0.08	17.17	61.71	128.08	14.58	48.53	8.62	1.56	5.79	0.69	3.33	0.27	1.62	0.27	1.45	0.25	23.23	0.94	4.48	190.60	485.92		
SMDH 00047	113.1	92.38	0.16	38.81	83.95	173.54	19.64	64.71	12.65	1.56	7.72	1.15	6.88	1.21	3.57	0.53	3.20	0.50	30.71	1.67	8.37	328.38	753.58		1.46
SMDH 00047	75.5	69.90	0.07	18.26	66.37	126.62	14.22	52.00	7.93	1.56	5.79	0.57	3.11	0.55	2.05	0.27	1.45	0.25	22.44	1.25	6.72	271.11	620.79		
SMDH 00047	82.7	76.29	0.12	21.04	70.79	141.61	16.14	55.47	8.62	1.56	6.58	0.69	3.99	0.66	2.05	0.27	2.17	0.25	23.46	1.35	8.25	337.70	983.63		
SMDH 00047	76.8	75.05	0.09	15.72	71.84	144.78	15.90	55.47	8.74	1.90	5.56	0.57	3.11	0.27	1.30	0.27	1.14	0.25	23.69	1.04	9.91	445.63	882.04	0.33	1.64
SMDH 00048	111.5	105.61	0.09	26.84	96.76	199.74	22.17	77.42	13.22	1.23	8.06	0.92	5.10	0.88	2.16	0.27	2.17	0.25	38.99	3.02	13.80	606.37	538.79		
SMDH 00048	98.3	89.06	0.09	26.35	78.83	160.38	18.55	64.71	11.61	1.45	7.72	0.92	4.88	0.77	1.94	0.27	1.76	0.25	30.60	2.29	8.02	323.11	510.88		1.35
SMDH 00048	60.7	49.97	0.07	19.83	40.05	84.58	10.24	35.82	6.44	1.12	4.54	0.69	3.22	0.66	1.51	0.27	1.65	0.25	16.66	1.67	5.19	215.72	436.17	1.39	
SMDH 00048	79.2	64.23	0.13	26.48	54.72	113.34	12.77	46.22	8.05	1.23	6.01	0.80	4.44	0.88	2.27	0.27	2.99	0.25	23.01	2.29	7.08	309.06	508.98		
SMDH 00048	130.1	99.77	0.13	49.20	84.30	177.93	20.48	70.49	13.22	1.56	8.85	1.15	7.66	1.53	5.19	0.85	6.20	1.01	35.81	3.23	8.84	351.07	490.25		1.57
SMDH 00048	99.6	87.31	0.15	29.38	74.29	152.95	18.55	62.40	10.58	1.45	8.40	1.03	5.33	1.10	3.13	0.27	2.79	0.25	28.67	2.71	9.55	376.06	541.57	1.33	
SMDH 00048	96.9	90.64	0.13	25.27	79.29	149.17	20.24	64.71	10.92	1.23	8.28	0.92	4.77	0.88	2.92	0.27	2.27	0.25	29.47	2.19	12.74	432.39	706.43		1.48
SMDH 00048	103.5	103.15	0.12	22.73	91.29	172.69	23.73	73.96	11.27	1.34	9.31	0.80	4.66	0.88	2.49	0.27	1.96	0.25	33.89	2.29	13.56	452.92	723.94		
SMDH 00048	87.8	93.29	0.10	14.14	84.88	153.80	21.20	68.18	11.15	1.56	9.08	0.69	3.22	0.55	1.30	0.27	1.03	0.25	29.47	1.98	14.51	464.68	573.64		
SMDH 00048	78.5	71.17	0.10	21.64	57.87	110.17	15.42	50.84	8.74	1.12	7.83	0.69	4.22	0.88	2.27	0.27	1.76	0.25	21.08	2.50	12.85	416.99	623.74	1.05	1.60
SMDH 00048	74.4	69.56	0.10	18.98	58.45	111.27	15.30	49.69	7.24	1.12	7.60	0.80	3.77	0.77	2.16	0.27	1.76	0.25	20.51	2.29	13.44	427.93	573.64		
SMDH 00048	83.6	70.89	0.13	26.35	55.31	105.66	15.18	49.69	9.89	1.56	8.97	0.92	5.10	0.99	2.81	0.27	2.17	0.25	20.29	2.60	11.09	367.69	763.98		
SMDH 00048	83.6	70.89	0.13	26.35	55.31	105.66	15.18	49.69	9.89	1.56	8.97	0.92	5.10	0.99	2.81	0.27	2.17	0.25	20.29	2.60	11.09	367.69	763.98		
SMDH 00049	32.1	29.25	0.02	8.95	27.94	56.30	6.38	20.80	3.91	0.28	2.16	0.29	1.78	0.27	0.76	0.27	0.72	0.25	9.75	0.94	4.01	173.31	114.94	0.21	
SMDH 00049	56.3	50.74	0.05	15.11	46.34	92.38	10.48	36.98	6.78	0.89	3.75	0.29	3.00	0.27	1.19	0.27	1.24	0.25	16.89	1.35	6.60	277.72	270.61		1.59
SMDH 00049	68.1	62.44	0.07	17.53	56.12	114.80	13.13	45.07	7.93	1.23	4.31	0.69	3.55	0.55	1.40	0.27	1.45	0.25	20.29	1.98	8.02	354.72	380.17		
SMDH 00049	24.2	17.84	0.08	7.25	19.56	35.34	3.73	12.71	2.30	2.79	1.25	0.29	1.11	0.27	0.54	0.27	0.72	0.25	4.31	0.94	5.66	240.31	434.95		
SMDH 00049	24.3	18.19	0.08	7.25	19.79	36.44	3.98	12.71	2.30	2.79	1.25	0.29	1.22	0.27	0.65	0.27	0.72	0.25	4.53	0.94	5.78	240.71	496.84	1.18	1.50
SMDH 00049	31.6	31.49	0.05	5.20	31.20	58.38	6.87	23.11	3.79	1.79	2.04	0.29	1.22	0.27	0.27	0.27	0.26	0.25	9.75	0.83	3.18	127.25	247.55		
SMDH 00049	46.0	44.62	0.04	9.67	44.59	87.26	9.76	32.36	5.98	1.45	3.29	0.29	2.22	0.27	0.65	0.27	0.26	0.25	15.07	0.94	3.54	151.15	254.66		
SMDH 00049	55.8	54.27	0.10	11.85	52.51	106.64	11.81	39.29	7.47	1.45	3.86	0.29	2.89	0.27	1.08	0.27	0.72	0.25	18.02	1.35	15.09	643.52	678.35		1.52
SMDH 00049	68.2	68.53	0.07	13.42	59.15	129.55	14.94	49.69	9.54	1.23	5.67	0.69	3.22	0.27	0.97	0.27	0.83	0.25	25.16	1.67	6.60	292.58	445.53	1.31	
SMDH 00049	90.5	90.50	0.09	18.01	75.68	166.84	19.28	65.87	12.19	1.23	7.49	0.92	4.44	0.66	1.30	0.27	0.83	0.25	31.96	1.77	7.43	315.68	548.16		
SMDH 00049	96.0	102.56	0.10	14.63	92.80	194.14	22.65	75.11	13.22	1.45	7.72	0.92	3.88	0.55	0.97	0.27	0.26	0.25	34.34	1.87	7.43	321.63	634.83		1.62
SMDH 00049	99.2	99.25	0.11	19.58	92.92	184.51	21.20	72.80	12.19	1.56	8.62	0.92	4.33	0.77	1.40	0.27	1.65	0.25	33.55	1.35	10.97	472.64	788.78	1.56	
SMDH 00049	82.6	88.82	0.07	11.97	80.69	162.45	19.28	65.87	11.73	1.12	7.49	0.57	3.11	0.27	0.97	0.27	0.72	0.25	31.73	1.46	9.43	426.99	665.69		1.57
SMDH 00049	103.0	111.85	0.10	13.66	100.83	209.86	23.73	83.20	14.03	1.23	9.31	0.92	3.99	0.27	0.97	0.27	0.62	0.25	41.59	2.08	8.49	375.66	689.96		
SMDH 00050	108.7	104.01	0.09	26.11	92.92	199.13	22.65	75.11	13.68	1.23	8.17	1.03	5.22	0.88	2.05	0.27	1.86	0.25	37.40	2.19	11.91	521.27	461.48		
SMDH 00050	80.2	77.03	0.08	18.74	68.93	145.02	17.11	55.47	9.89	1.56	5.90	0.69	3.77	0.66	1.51	0.27	1.45	0.25	30.26	1.46	6.72	289.88	343.07	1.56	
SMDH 00050	64.7	58.26	0.09	18.26	51.23	109.32	12.65	41.60	7.82	0.78	4.43	0.57	3.44	0.66	1.51	0.27	1.45	0.25	21.08	1.46	5.66	240.17	422.64		1.42
SMDH 00050	71.7	61.72	0.11	21.88	54.96	117.12	13.01	43.91	8.39	1.12	5.33	0.69	4.11	0.77	1.62	0.27	1.45	0.25	21.76	1.25	8.37	320.27	504.47		
SMDH 00050	84.9	80.73	0.11	20.31	73.24	155.87	17.71	57.78	11.15	1.56	6.58	0.80	4.44	0.66	1.40	0.27	1.14	0.25	30.03	1.77	6.49	282.32	590.63		
SMDH 00050	83.9	79.53	0.12	19.58	73.24	158.06	16.62	57.78	11.04	1.45	6.13	0.80	4.33	0.66	1.51	0.27	1.03	0.25	29.92	1.77	6.84	282.32	698.63	0.72	1.35
SMDH 00050	67.7	65.26	0.10	15.11	61.25	130.16	14.09	47.38	8.62	1.45	4.54	0.57	3.22	0.55	1.19	0.27	1.03	0.25	24.14	2.71	8.49	345.80	588.72		
SMDH 00050	72.3	76.95	0.08	10.76	68.58	141.37	16.87	56.62	10.46	1.45	6.01	0.57	2.89	0.27	0.76	0.27	0.62	0.25	29.35	1.15	7.55	332.30	589.41		
SMDH 00050	55.2	53.45	0.09	11.48	48.09	97.13	11.32	39.29	7.13	1.56	4.54	0.29	2.55	0.27	0.97	0.27	0.93	0.25	19.27	0.73	4.13	190.46	598.08	0.80	1.57
SMDH 00050	79.7	79.56	0.11	14.75	68.93	139.42	16.38	58.93	9.89	1.79	6.81	0.69	3.55	0.66	1.08	0.27	0.72	0.25	28.90	0.62	2.00	84.43	646.62		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00051	217.8	227.95	0.09	35.18	208.42	426.91	47.10	171.02	28.05	1.79	16.23	1.84	7.99	1.31	2.49	0.27	2.27	0.25	88.17	4.06	22.29	969.06	391.09	4.41	1.50
SMDH 00051	73.8	74.11	0.07	14.39	63.34	128.82	15.78	54.31	9.77	1.12	6.36	0.69	3.33	0.55	1.08	0.27	1.14	0.25	26.52	1.67	8.49	349.18	402.19		
SMDH 00051	62.9	56.85	0.08	17.17	49.83	97.13	12.17	40.44	7.01	1.01	4.88	0.57	3.66	0.66	1.30	0.27	1.24	0.25	19.15	1.35	6.72	299.61	648.36		1.39
SMDH 00051	89.3	76.35	0.13	27.81	69.63	149.17	16.02	54.31	10.46	1.12	5.79	0.80	5.22	0.99	2.38	0.27	2.07	0.25	27.99	2.08	10.14	424.69	668.12		
SMDH 00051	64.2	58.13	0.10	17.05	53.21	113.83	12.41	41.60	7.82	1.45	4.20	0.57	3.55	0.55	1.40	0.27	1.24	0.25	20.06	1.25	6.13	263.41	678.35		1.29
SMDH 00051	77.0	70.70	0.11	20.07	67.07	137.47	15.06	50.84	9.43	1.34	5.11	0.69	4.11	0.66	1.62	0.27	1.45	0.25	23.80	1.56	6.84	288.94	539.83	1.03	
SMDH 00051	84.7	85.76	0.11	16.32	80.69	169.40	18.67	62.40	10.92	1.34	5.90	0.80	3.88	0.55	1.30	0.27	0.62	0.25	30.83	1.67	8.84	371.20	684.41		
SMDH 00051	107.1	83.63	0.13	39.17	75.92	164.89	17.23	58.93	11.04	1.56	6.36	1.03	6.44	1.31	3.24	0.27	3.10	0.25	29.92	2.19	7.90	330.68	598.95		1.38
SMDH 00051	76.9	62.14	0.10	26.11	56.12	119.55	12.77	43.91	8.39	1.45	4.77	0.80	4.66	0.88	2.16	0.27	2.07	0.25	22.44	1.77	9.32	387.14	570.35		
SMDH 00051	93.7	86.87	0.13	24.30	77.78	165.26	18.67	62.40	11.96	1.23	7.26	0.92	4.88	0.88	1.94	0.27	1.76	0.25	31.17	2.60	9.20	391.60	691.70		
SMDH 00052	106.0	106.11	0.09	21.76	94.90	193.53	22.77	77.42	12.99	0.89	8.62	1.03	4.88	0.77	1.94	0.27	2.07	0.25	37.85	2.60	17.81	832.63	783.57		1.50
SMDH 00052	47.5	41.53	0.09	13.42	36.10	91.04	8.31	30.04	5.29	0.89	3.86	0.29	2.89	0.55	1.30	0.27	1.65	0.25	15.53	0.94	8.25	387.14	769.88	2.97	
SMDH 00052	95.4	81.24	0.12	29.38	71.61	148.07	16.62	58.93	9.77	1.45	6.24	0.80	4.88	0.99	2.38	0.27	2.79	0.25	25.95	1.46	10.02	450.36	438.25		1.34
SMDH 00052	35.6	26.31	0.05	13.90	24.34	49.48	5.42	18.49	2.64	0.78	1.93	0.29	2.11	0.27	1.40	0.27	1.55	0.25	6.80	0.62	6.49	317.84	415.54		
SMDH 00052	79.5	62.39	0.16	29.14	52.28	115.41	13.13	43.91	6.67	1.12	3.97	0.57	4.77	0.77	2.92	0.27	3.10	0.25	19.27	0.83	9.55	365.80	730.70		
SMDH 00052	46.8	28.78	0.14	22.73	25.73	55.21	5.90	18.49	2.76	1.23	2.16	0.29	4.11	0.77	2.70	0.27	3.20	0.50	8.05	0.52	7.19	298.12	505.68	1.40	
SMDH 00052	31.9	16.15	0.09	17.89	15.37	31.08	3.13	10.40	1.72	1.01	1.48	0.29	2.33	0.66	1.73	0.27	2.58	0.25	4.42	0.26	9.43	339.46	339.43		1.41
SMDH 00052	71.5	57.04	0.09	25.27	49.14	104.32	11.81	40.44	6.21	1.01	4.20	0.69	4.11	0.88	2.59	0.27	2.58	0.50	18.13	0.94	7.55	337.97	547.29	1.03	
SMDH 00052	87.1	78.97	0.09	23.33	68.58	144.42	16.50	57.78	9.54	1.34	5.79	0.80	3.88	0.88	2.49	0.27	2.48	0.25	26.52	1.25	7.78	344.18	594.96		1.56
SMDH 00052	68.1	61.30	0.08	19.10	59.15	123.09	13.37	43.91	6.90	1.12	4.43	0.57	3.44	0.77	1.84	0.27	2.27	0.25	21.87	1.35	8.61	399.84	536.02		
SMDH 00052	93.1	85.98	0.09	24.54	79.41	165.50	18.67	62.40	10.23	1.23	6.47	0.69	4.22	0.77	2.38	0.27	2.38	0.25	31.39	1.35	7.31	316.76	515.56		
SMDH 00052	74.3	66.39	0.13	20.31	61.59	134.67	13.61	48.53	9.31	1.23	6.01	0.69	3.55	0.55	1.51	0.27	1.65	0.25	23.01	1.98	6.96	335.13	1033.21	1.77	1.54
SMDH 00052	71.9	65.44	0.12	18.98	56.24	118.21	13.49	47.38	8.85	1.01	5.45	0.69	3.88	0.66	1.51	0.27	1.96	0.25	21.76	1.46	7.19	340.27	578.15		
SMDH 00052	91.1	82.91	0.19	24.30	72.89	153.92	17.47	60.09	11.38	1.34	7.60	0.92	4.44	0.77	1.84	0.27	1.96	0.25	26.86	1.98	7.67	340.40	736.59		
SMDH 00052	77.6	74.92	0.17	17.41	67.30	140.76	16.14	54.31	11.38	1.45	6.58	0.80	3.66	0.66	1.51	0.27	1.96	0.25	26.75	2.08	10.14	496.69	899.90		1.61
SMDH 00052	69.7	66.54	0.16	16.08	62.18	136.37	14.22	48.53	8.62	1.34	6.70	0.69	3.11	0.55	1.19	0.27	1.65	0.25	26.86	1.87	10.73	374.98	859.33		
SMDH 00052	67.2	65.52	0.14	14.87	60.20	127.72	14.46	47.38	9.20	1.23	5.56	0.69	3.00	0.55	1.30	0.27	1.55	0.25	23.35	1.77	8.14	382.41	801.95	1.22	
SMDH 00052	76.2	73.27	0.14	16.44	63.22	132.59	14.94	54.31	10.58	1.45	6.92	0.69	3.33	0.55	1.19	0.27	1.34	0.25	24.48	1.77	8.49	412.67	766.76		
SMDH 00052	66.8	63.60	0.13	15.23	55.66	115.53	13.25	46.22	7.93	1.23	5.79	0.69	3.44	0.55	1.19	0.27	1.34	0.25	21.31	1.77	6.60	312.30	814.43		1.65
SMDH 00052	53.3	49.49	0.13	13.42	45.29	92.01	10.72	35.82	6.21	1.12	4.54	0.29	2.66	0.27	1.08	0.27	1.45	0.25	15.75	1.46	8.14	390.92	716.49		
SMDH 00052	80.4	81.01	0.09	15.35	73.35	158.06	17.35	60.09	10.00	1.34	6.13	0.57	3.00	0.27	1.08	0.27	1.65	0.25	26.75	0.94	9.55	437.93	952.77	0.77	
SMDH 00052	72.4	61.52	0.10	23.57	61.25	153.43	14.46	41.60	7.01	1.79	4.99	0.69	4.77	0.88	2.59	0.27	2.48	0.25	18.36	0.73	9.08	414.70	526.14		1.75
SMDH 00052	72.4	61.52	0.10	23.57	61.25	153.43	14.46	41.60	7.01	1.79	4.99	0.69	4.77	0.88	2.59	0.27	2.48	0.25	18.36	0.73	9.08	414.70	526.14		1.75
SMDH 00053	138.6	132.26	0.08	33.00	110.26	246.79	27.83	97.07	16.44	1.12	11.46	1.26	6.10	1.21	2.81	0.27	2.89	0.25	49.87	3.02	20.99	924.08	499.96		
SMDH 00053	84.7	80.60	0.08	20.07	69.74	150.27	16.87	58.93	10.69	0.89	6.81	0.80	3.99	0.66	1.62	0.27	1.76	0.25	30.03	1.87	12.85	592.33	442.75		
SMDH 00053	109.8	105.12	0.08	25.39	90.47	193.04	21.56	77.42	13.22	0.89	9.53	0.92	5.22	0.88	2.16	0.27	1.86	0.25	41.48	1.98	10.14	440.50	590.97	2.61	1.38
SMDH 00053	114.2	100.32	0.09	33.49	85.11	183.41	20.72	72.80	13.11	1.12	9.19	1.03	5.77	1.10	2.59	0.27	2.89	0.25	39.33	2.19	10.38	448.33	634.31		
SMDH 00053	70.9	66.28	0.06	17.53	55.31	120.65	13.73	48.53	7.82	0.78	5.79	0.69	3.33	0.66	1.40	0.27	0.93	0.25	25.73	1.15	7.31	330.95	559.25		
SMDH 00053	25.3	21.45	0.05	7.50	17.70	37.41	4.70	15.02	2.76	1.01	1.48	0.29	1.44	0.27	0.65	0.27	0.62	0.25	6.91	0.26	6.60	288.80	571.21		1.48
SMDH 00053	20.0	14.35	0.06	7.13	13.04	24.86	2.77	10.40	1.49	1.34	1.48	0.29	0.89	0.27	0.65	0.27	0.62	0.25	3.51	0.62	10.38	495.74	802.30	1.97	
SMDH 00053	86.4	79.79	0.08	22.49	70.21	144.54	17.11	57.78	9.54	1.23	7.04	0.80	4.11	0.77	2.05	0.27	1.96	0.25	28.90	1.35	10.50	427.93	573.99		
SMDH 00053	85.6	66.17	0.11	31.43	54.96	114.80	13.37	46.22	8.28	1.34	6.24	0.80	5.77	1.10	2.81	0.27	3.10	0.25	22.78	1.87	12.74	537.89	715.10		1.57
SMDH 00053	108.9	89.40	0.12	36.63	81.16	182.32	18.55	64.71	11.96	1.45	8.85	1.03	5.10	1.42	3.35	0.53	4.44	0.50	36.27	1.67	12.50	435.50	606.92		
SMDH 00053	90.9	74.73	0.11	30.71	64.74	134.54	15.78	53.16	9.77	1.23	7.04	0.80	4.99	1.10	2.92	0.27	3.10	0.25	25.73	1.15	10.73	444.41	634.66		
SMDH 00053	22.1	18.07	0.08	6.41	16.42	33.51	3.86	12.71	2.41	1.45	1.82	0.29	1.22	0.27	0.54	0.27	0.72	0.25	4.76	0.52	10.02	426.18	713.02	1.71	
SMDH 00053	79.5	68.91	0.10	23.45	59.27	122.84	14.09	49.69	10.23	1.23	6.24	0.80	4.33	0.77	2.05	0.27	2.38	0.25	24.25	1.25	8.61	364.18	538.79		1.48
SMDH 00053	105.0	97.34	0.11	26.84	81.39	173.66	20.72	70.49	12.65	1.56	7.60	0.92	5.22	0.88	2.05	0.27	1.86	0.25	35.93	1.98	10.14	442.25	678.69	0.81	1.45
SMDH 00053	96.5	84.53	0.11	28.89	69.98	151.00	18.31	60.09	10.81	1.34	7.49	0.92	5.22	0.88	2.59	0.27	2.89	0.25	31.85	1.46	10.26	416.59	705.22		
SMDH 00053	70.8	61.75	0.08	21.28	54.96	112.61	13.49	43.91	8.16	1.23	5.22	0.69	3.66	0.77	2.05	0.27	1.86	0.25	23.01	1.04	9.20	382.28	609.18		
SMDH 00053	123.9	104.13	0.09	40.14	95.94	194.02	21.93	73.96	13.34	1.56	9.31	1.15	7.10	1.31	4.00	0.64	4.13	0.50	35.47	1.77	7.90	333.24	558.38	1.03	1.58
SMDH 00053	90.3	81.04	0.12	24.42	77.08	150.63	16.87	58.93	10.12	1.68	6.13	0.80	4.44	0.88	2.27	0.27	2.58	0.25	24.71	1.15	9.67	404.02	694.82		
SMDH 00053	110.3	91.15	0.16	37.24	85.93	179.51	19.64	64.71	11.73	1.56	7.60	1.15	5.66	1.31	3.46	0.53	3.61	0.50	29.69	1.77	10.02	405.78	675.75		
SMDH 00053	89.6	75.33	0.13	28.41	69.63	147.46	15.66	54.31	8.62	1.56	5.79	0.80	4.55	1.10	3.13	0.53	3.10	0.25	24.59	1.25	9.43	384.71	656.85		1.67
SMDH 00053	92.7	75.20	0.14	32.04	68.58	146.37	16.02	53.16	10.12	1.45	6.47	0.80	5.22	1.10	3.24	0.53	3.51	0.25	24.37	1.56	9.32	377.01	673.84	0.77	
SMDH 00053	92.7	75.20	0.14	32.04	68.58	146.37	16.02	53.16	10.12	1.45	6.47	0.80	5.22	1.10	3.24	0.53	3.51	0.25	24.37	1.56	9.32	377.01	673.84	0.77	
SMDH 00054	110.3	99.78	0.05	27.56	92.22	167.69	17.71	76.27	13.22	0.67	7.94	0.92	4.88	0.99	2.92	0.27	2.58	0.25	40.01	2.40	14.39	624.07	420.56	0.75	
SMDH 00054	60.2	44.70	0.10	23.70	39.01	80.31	9.16	31.20	5.63	1.01	4.65	0.57	3.77	0.77	2.38	0.27	2.17	0.25	14.39	1.15	5.90	262.46	582.31		
SMDH 00054	144.3	138.40	0.10	33.25	122.96	254.71	28.79	101.69	17.59	1.45	11.35	1.26	6.66	1.10	3.67	0.27	2.79	0.60	53.27	2.50	11.79	512.22	562.37		1.52
SMDH 00054	135.1	125.75	0.16	34.58	114.57	237.89	26.99	91.29	15.18	1.79	10.10	1.15	6.33	1.21	4.65	0.64	4.13	0.70	43.52	2.40	12.26	584.09	848.58		
SMDH 00054	119.9	122.84	0.06	19.95	119.46	239.84	24.82	92.44	16.21	1.90	9.19	1.03	4.55	0.66	1.51	0.27	1.55	0.25	48.96	1.35	8.61	347.43	563.06		
SMDH 00054	105.5	100.86	0.09	24.30	97.69	202.06	21.32	73.96	14.14	1.68	8.51	1.03	4.55	0.88	2.05	0.27	2.48	0.25	41.14	1.56	10.38	423.07	646.10		1.59
SMDH 00054	106.5	111.56	0.11	23.21	85.46	231.19	29.64	75.11	15.18	1.34	8.40	1.26	5.55	0.88	3.03	0.27	2.89	0.25	37.06	2.19	12.15	311.49	688.57	1.32	
SMDH 00054	81.4	79.81	0.09	18.38	66.25	148.80	17.95	56.62	10.58	1.12	6.81	0.80	4.44	0.66	2.16	0.27	1.96	0.25	25.05	1.98	9.91	328.65	653.21		1.46
SMDH 00054	116.6	119.12	0.13	27.68	92.22	245.08	31.68	79.73	17.71	1.45	10.44	1.38	6.33	1.10	3.46	0.53	2.99	0.50	39.89	2.50	16.98	442.25	776.81		
SMDH 00054	105.5	106.29	0.17	25.99	76.27	210.10	28.43	70.49	14.49	1.68	8.97	1.38	5.99	0.99	3.35	0.27	3.30	0.50	35.93	1.87	17.10	436.58	706.26		
SMDH 00054	84.0	85.17	0.10	19.71	65.09	170.01	22.41	56.62	12.19	1.56	6.70	1.03	5.10	0.77	2.27	0.27	2.17	0.25	28.67	1.87	13.09	352.96	665.86	0.93	1.35
SMDH 00054	114.9	126.51	0.10	20.19	101.07	258.73	33.25	86.67	17.13	1.45	9.99	1.26	5.33	0.77	2.38	0.27	2.07	0.25	42.61	2.40	14.39	379.30	787.04		
SMDH 00054	126.0	135.94	0.14	25.03	106.54	278.11	36.50	91.29	19.43	1.56	11.24	1.49	6.66	0.88	2.59	0.27	2.58	0.25	45.67	2.81	31.84	1032.28	903.02		
SMDH 00054	164.5	148.99	0.13	45.46	123.31	265.80	31.56	108.62	19.09	1.56	10.33	1.26	7.55	1.64	5.19	0.85	6.30	0.91	53.38	1.46	11.91	505.60	855.86	0.37	
SMDH 00054	116.7	140.41	0.10	13.54	114.11	302.48	38.91	95.91	19.43	1.68	9.65	1.15	4.44	0.27	1.40	0.27	0.93	0.25	45.45	2.08	14.27	416.99	819.81		1.48
SMDH 00054	96.1	107.66	0.10	12.21	92.92	249.22	25.66	77.42	12.19	1.90	8.06	0.80	3.77	0.27	1.40	0.27	1.03	0.25	33.43	1.77	14.62	476.29	678.00	0.72	
SMDH 00054	96.1	107.66	0.10	12.21	92.92	249.22	25.66	77.42	12.19	1.90	8.06	0.80	3.77	0.27	1.40	0.27	1.03	0.25	33.43	1.77	14.62	476.29	678.00	0.72	
SMDH 00055	134.2	129.25	0.05	31.55	113.41	229.11	27.47	94.76	15.87	0.89	10.78	1.03	5.99	0.99	3.57	0.53	2.89	0.25	46.58	2.81	25.59	1083.21	390.92		
SMDH 00055	120.8	111.75	0.13	31.31	94.55	207.30	23.61	80.89	14.26	1.34	9.08	1.15	6.10	0.99	3.57	0.27	2.79	0.25	42.73	2.19	16.27	687.15	734.51		0.97
SMDH 00055	122.7	105.06	0.10	37.24	98.97	164.16	21.32	76.27	12.76	1.68	8.62	1.15	6.33	1.10	3.89	0.27	2.38	0.25	33.55	1.35	6.72	285.42	559.25		
SMDH 00055	89.8	95.11	0.08	14.27	88.14	182.44	20.60	70.49	11.38	1.01	7.83	0.69	3.33	0.55	1.40	0.27	0.83	0.25	35.81	1.25	6.13	266.24	438.25	1.32	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00055	97.2	97.05	0.09	20.19	86.40	179.76	21.20	70.49	11.96	1.12	7.94	0.92	4.44	0.77	2.05	0.27	1.14	0.25	34.23	1.46	8.25	323.38	457.32		0.89
SMDH 00055	118.3	122.22	0.10	20.79	111.20	233.99	26.50	90.13	15.64	1.79	9.19	1.03	4.55	0.77	1.84	0.27	0.93	0.25	46.35	1.67	7.31	308.79	516.43		
SMDH 00055	96.1	102.59	0.07	15.23	96.99	201.69	23.01	75.11	12.30	1.34	7.83	0.80	3.66	0.55	1.51	0.27	0.72	0.25	37.74	1.35	5.07	208.02	322.27		
SMDH 00055	93.6	85.25	0.10	25.51	74.17	157.82	18.43	61.24	10.46	1.23	7.26	0.80	4.77	0.88	2.70	0.27	1.65	0.25	30.49	1.35	6.13	243.68	450.21	1.15	1.57
SMDH 00055	109.5	104.84	0.12	26.48	92.92	196.33	23.25	75.11	13.68	1.45	9.08	1.15	5.33	0.99	2.92	0.27	2.07	0.25	41.82	1.46	6.96	276.78	530.82		
SMDH 00055	85.2	84.25	0.11	16.80	74.52	157.94	17.83	62.40	11.61	2.01	6.81	0.80	3.22	0.55	1.51	0.27	1.34	0.25	31.39	0.94	8.84	343.37	673.67		
SMDH 00055	86.8	89.25	0.08	15.11	76.15	163.55	18.91	65.87	11.15	1.34	6.81	0.80	3.66	0.55	1.08	0.27	0.93	0.25	33.55	1.15	6.49	245.58	562.20		1.46
SMDH 00055	127.1	120.38	0.13	30.71	101.53	213.27	25.42	87.82	15.87	1.45	10.33	1.15	5.99	1.10	2.49	0.27	2.68	0.25	46.69	1.77	11.32	420.64	578.49		
SMDH 00055	129.9	131.71	0.09	24.78	108.17	230.82	27.95	97.07	16.56	1.34	10.89	1.15	5.55	0.88	1.94	0.27	2.17	0.25	50.89	1.98	9.55	356.88	532.03		1.65
SMDH 00055	119.7	126.88	0.09	18.74	109.80	229.72	27.59	93.60	15.64	1.68	10.33	1.15	4.55	0.66	1.94	0.27	1.03	0.25	50.09	1.35	9.32	376.60	456.62		
SMDH 00055	92.2	90.86	0.13	18.74	78.13	171.23	19.03	67.02	10.35	1.68	7.94	0.92	3.88	0.66	2.05	0.27	1.55	0.25	29.81	1.15	8.84	369.31	1010.85	0.86	
SMDH 00055	98.9	97.70	0.09	19.83	80.92	180.61	19.88	72.80	11.73	1.23	7.49	0.92	4.11	0.66	2.38	0.27	1.96	0.25	35.70	1.25	6.49	260.57	437.55		1.68
SMDH 00055	148.7	149.29	0.08	29.98	128.20	288.47	31.32	110.93	17.13	0.78	10.67	1.26	5.77	1.10	3.57	0.53	3.30	0.50	55.76	2.92	23.94	1522.62	369.60		
SMDH 00055	148.7	149.29	0.08	29.98	128.20	288.47	31.32	110.93	17.13	0.78	10.67	1.26	5.77	1.10	3.57	0.53	3.30	0.50	55.76	2.92	23.94	1522.62	369.60		
SMDH 00056	108.0	104.95	0.16	24.18	91.29	231.19	22.17	77.42	11.50	1.01	7.15	0.92	4.44	0.88	3.24	0.27	2.79	0.25	44.31	1.77	15.80	664.46	607.44		
SMDH 00056	192.0	177.69	0.13	48.84	160.22	323.32	36.74	130.58	19.66	2.23	12.14	1.61	8.77	1.75	6.37	0.74	5.16	0.80	49.64	2.08	16.51	711.20	660.49	2.76	1.36
SMDH 00056	130.9	116.14	0.12	37.24	101.07	217.90	23.97	84.36	13.57	1.45	9.08	1.26	6.55	1.31	4.43	0.53	4.03	0.60	35.59	2.60	10.85	466.43	594.62		
SMDH 00056	103.6	107.79	0.07	17.17	95.36	207.54	22.77	80.89	12.65	1.45	7.49	0.80	3.33	0.55	1.84	0.27	1.03	0.25	40.12	1.04	7.19	311.49	477.77		
SMDH 00056	137.1	124.24	0.15	39.17	110.26	241.79	27.83	87.82	15.06	1.56	10.21	1.38	7.21	1.42	4.65	0.64	3.92	0.60	39.78	3.12	11.32	465.08	734.86		1.50
SMDH 00056	149.0	128.66	0.15	44.85	107.59	221.92	26.02	93.60	15.29	1.56	9.99	1.38	7.66	1.64	4.00	0.64	3.61	0.25	39.89	2.71	13.44	571.66	777.33	1.04	
SMDH 00056	134.4	121.14	0.13	36.87	101.30	213.15	25.18	87.82	14.49	1.56	9.08	1.15	6.99	1.42	3.35	0.27	2.89	0.50	37.51	2.50	11.32	492.10	707.99		
SMDH 00056	129.1	116.72	0.13	34.94	101.65	206.93	23.85	85.51	13.57	1.34	8.85	1.03	6.33	1.21	3.35	0.27	3.10	0.50	36.95	1.98	11.44	479.80	703.48		1.58
SMDH 00056	74.2	73.18	0.09	14.99	64.85	131.98	15.30	54.31	8.05	1.34	4.88	0.57	3.00	0.55	1.30	0.27	1.24	0.25	23.12	1.25	10.97	468.05	631.89		
SMDH 00056	54.1	54.17	0.09	9.91	48.32	99.08	11.44	40.44	6.32	1.45	3.29	0.29	2.00	0.27	0.97	0.27	1.14	0.25	18.02	0.62	7.43	330.95	583.52	1.04	
SMDH 00056	61.3	60.82	0.08	12.45	56.24	116.26	13.25	45.07	6.09	1.23	3.86	0.29	2.22	0.27	1.19	0.27	1.45	0.25	20.17	0.83	10.97	466.30	698.80		1.62
SMDH 00056	141.4	139.37	0.13	29.62	120.28	247.27	29.27	102.84	15.29	1.68	9.87	1.03	6.21	1.10	2.49	0.27	2.58	0.25	46.13	2.19	13.68	609.21	802.64		
SMDH 00056	143.6	127.67	0.14	41.10	110.73	234.11	26.86	92.44	16.10	1.68	9.31	1.15	7.21	1.42	3.57	0.64	3.51	0.50	42.39	1.87	10.61	463.05	781.84		
SMDH 00056	119.2	110.12	0.10	30.34	96.06	192.80	22.65	80.89	11.96	1.34	8.51	1.03	5.55	1.10	3.89	0.27	3.61	0.25	35.81	1.35	8.61	345.53	561.33		
SMDH 00056	86.3	86.13	0.09	17.05	77.78	158.80	18.55	63.56	10.00	1.68	5.56	0.69	3.33	0.66	1.51	0.27	1.45	0.25	29.13	0.73	6.01	259.08	588.20	1.21	1.51
SMDH 00056	113.9	106.22	0.12	28.77	101.07	210.35	22.77	77.42	12.76	1.68	8.17	1.15	4.88	0.99	3.13	0.27	2.89	0.25	36.83	1.25	11.44	490.75	662.40		
SMDH 00056	128.1	116.07	0.13	34.94	104.09	220.34	24.46	84.36	14.26	1.56	8.97	1.26	5.99	1.21	3.35	0.27	2.58	0.25	38.53	1.46	12.50	531.40	737.63		
SMDH 00056	122.6	109.20	0.13	35.30	99.55	211.93	23.37	78.58	13.57	1.45	8.85	1.15	6.10	1.21	3.24	0.27	2.38	0.25	37.06	1.46	9.67	401.32	657.72		
SMDH 00056	115.5	104.52	0.12	31.55	94.43	201.33	22.05	75.11	12.30	1.45	8.28	1.26	6.10	1.10	2.81	0.27	2.27	0.25	34.68	1.77	11.32	466.84	660.14	0.84	
SMDH 00056	105.3	98.87	0.10	26.35	92.92	197.55	21.20	71.64	12.30	1.23	8.28	1.03	4.99	0.88	2.59	0.27	2.07	0.25	35.47	1.35	9.91	434.55	676.44		
SMDH 00057	89.6	78.24	0.09	26.84	67.77	140.27	16.26	56.62	9.20	0.78	5.67	0.92	4.44	0.88	3.03	0.27	2.58	0.25	26.75	1.04	14.27	607.59	408.78		1.28
SMDH 00057	99.2	92.51	0.09	25.63	84.07	178.90	20.24	67.02	11.04	1.34	7.49	1.03	4.22	0.88	2.70	0.27	2.38	0.25	32.87	0.83	6.96	299.61	575.55		
SMDH 00057	177.9	153.35	0.20	55.13	133.55	288.34	31.92	110.93	20.01	1.34	11.35	1.72	8.77	1.86	5.94	0.96	6.40	1.01	59.73	1.77	16.04	655.14	1042.92	2.79	
SMDH 00057	116.9	109.33	0.11	28.53	101.30	213.76	22.53	80.89	14.60	1.56	8.06	0.92	4.99	0.99	2.70	0.27	3.10	0.50	43.86	1.25	11.44	477.24	773.00		
SMDH 00057	141.6	141.24	0.13	28.17	131.22	276.52	29.27	105.16	18.74	1.45	11.01	1.26	5.55	0.99	2.27	0.27	2.79	0.25	56.21	2.60	16.16	636.77	953.98		1.60
SMDH 00057	188.6	171.24	0.13	49.57	147.64	318.20	34.09	127.11	23.34	1.90	13.28	1.61	8.43	1.75	4.75	0.85	5.37	0.80	68.68	1.98	14.39	560.99	833.33		
SMDH 00057	159.4	142.03	0.15	46.30	126.33	273.48	30.48	102.84	17.71	1.56	12.03	1.61	7.10	1.75	5.08	0.74	4.75	0.70	51.68	1.56	12.62	516.01	801.08		1.55
SMDH 00057	163.3	133.82	0.20	57.06	115.50	248.25	28.43	95.91	15.87	0.89	9.99	1.49	7.99	1.86	6.48	1.06	6.30	0.91	50.32	1.77	13.80	651.36	953.29		
SMDH 00057	203.3	180.42	0.16	60.21	160.33	338.07	38.91	130.58	22.42	1.56	13.50	1.72	9.21	1.97	7.02	1.27	6.71	1.01	71.40	2.08	12.50	582.33	893.48		
SMDH 00057	189.8	170.68	0.20	54.89	149.62	324.42	37.10	123.64	20.93	1.34	12.26	1.61	8.32	1.86	6.27	1.06	6.09	0.91	67.77	1.98	15.45	717.82	1148.49	0.84	1.55
SMDH 00057	121.2	120.45	0.13	24.66	105.02	223.14	25.78	88.98	14.03	1.90	8.97	0.92	4.77	0.77	2.59	0.27	2.58	0.25	43.86	1.15	8.73	388.22	576.93	0.27	
SMDH 00057	162.0	164.26	0.13	31.92	153.46	315.15	35.78	121.33	20.24	1.56	11.46	1.38	5.77	1.10	3.35	0.53	3.10	0.25	61.31	1.46	12.03	522.89	771.79		
SMDH 00057	97.6	79.18	0.14	33.85	71.14	147.71	16.87	56.62	10.23	1.45	6.01	0.92	4.77	1.10	3.89	0.74	4.34	0.60	29.81	1.04	12.62	578.01	925.73		
SMDH 00057	89.7	94.46	0.10	14.99	89.19	186.46	21.44	69.33	11.27	1.68	6.58	0.69	3.00	0.27	1.30	0.27	1.03	0.25	35.59	0.94	11.20	519.25	843.04		1.61
SMDH 00058	158.0	150.76	0.09	38.20	132.62	281.52	32.17	109.78	18.28	1.23	12.03	1.61	7.21	1.21	3.46	0.53	2.79	0.25	59.50	3.64	14.27	675.54	558.21	2.03	
SMDH 00058	105.9	100.42	0.11	26.11	92.45	193.41	22.05	72.80	12.53	1.45	7.49	0.92	4.66	0.88	2.59	0.27	2.48	0.25	37.85	2.08	7.90	383.09	712.15		
SMDH 00058	127.2	109.32	0.13	40.14	101.30	205.84	23.97	77.42	12.30	1.68	8.74	1.26	6.66	1.42	4.00	0.64	3.92	0.60	42.84	3.02	8.73	413.48	753.41		1.24
SMDH 00058	155.5	132.36	0.13	48.96	116.78	245.08	27.35	94.76	16.44	1.56	11.12	1.49	8.77	1.64	5.62	0.74	4.75	0.70	45.11	2.81	12.74	535.59	663.09		
SMDH 00058	119.2	98.21	0.13	40.38	86.51	179.88	20.96	69.33	12.88	1.56	8.62	1.15	6.77	1.31	4.21	0.53	3.72	0.50	33.77	2.60	10.73	468.73	640.21	1.31	
SMDH 00058	105.9	97.95	0.09	27.81	90.82	192.43	21.32	70.49	12.42	1.45	8.40	1.03	5.10	0.99	2.92	0.27	2.27	0.25	36.49	1.87	7.08	323.65	565.66		
SMDH 00058	152.8	139.81	0.15	41.59	127.96	269.94	30.24	100.53	18.28	1.68	11.12	1.38	7.66	1.53	5.08	0.64	4.96	0.60	54.06	2.40	14.62	652.17	805.94		
SMDH 00058	175.3	161.70	0.14	47.63	138.21	305.89	35.78	115.56	22.88	1.79	13.50	1.38	8.99	1.53	5.19	0.64	4.34	0.50	62.56	3.12	11.67	481.97	720.30	1.25	1.47
SMDH 00058	144.4	115.95	0.13	50.90	97.57	204.62	24.21	82.04	15.52	1.79	9.42	1.15	8.54	1.53	5.40	0.64	4.44	0.50	46.35	3.12	10.85	485.21	603.46		
SMDH 00058	212.2	183.43	0.13	66.01	156.37	329.29	39.03	130.58	23.91	1.79	15.66	1.84	11.98	2.08	7.35	0.74	5.27	0.60	79.33	5.62	8.84	392.95	586.12		
SMDH 00058	146.2	112.87	0.10	54.64	92.10	191.82	22.89	79.73	14.95	1.56	9.31	1.26	8.99	1.64	6.16	0.64	5.16	0.60	43.75	3.44	7.55	319.46	480.89		1.49
SMDH 00058	129.8	101.81	0.09	46.18	83.14	172.81	19.88	72.80	13.91	1.68	9.53	1.03	8.10	1.42	4.97	0.53	4.23	0.50	39.67	3.33	9.55	431.18	505.68	0.65	
SMDH 00058	134.5	136.51	0.09	26.23	124.00	260.68	29.88	99.38	17.59	1.68	11.01	1.15	6.10	0.88	2.49	0.27	1.86	0.25	58.37	2.50	9.55	450.63	611.08		
SMDH 00058	107.2	79.67	0.11	43.04	67.07	139.54	17.23	54.31	11.50	1.68	7.94	1.03	7.10	1.31	5.29	0.64	5.06	0.50	33.09	3.33	7.55	324.87	521.11		1.56
SMDH 00058	314.1	308.86	0.09	69.76	266.06	558.65	66.02	225.33	40.82	1.45	24.40	2.64	14.87	2.19	7.56	0.85	5.58	0.60	135.78	6.35	31.49	1400.91	432.87		
SMDH 00058	151.4	134.01	0.11	43.16	111.78	235.94	27.47	97.07	17.59	1.68	11.46	1.38	8.10	1.21	4.43	0.27	3.41	0.25	54.51	3.96	10.50	441.44	589.93	0.60	
SMDH 00058	151.4	134.01	0.11	43.16	111.78	235.94	27.47	97.07	17.59	1.68	11.46	1.38	8.10	1.21	4.43	0.27	3.41	0.25	54.51	3.96	10.50	441.44	589.93	0.60	
SMDH 00059	100.0	87.77	0.10	29.26	77.31	159.53	18.19	63.56	10.58	1.12	7.49	0.92	5.10	0.99	2.81	0.27	2.79	0.25	30.71	1.46	9.91	399.16	474.65		
SMDH 00059	89.0	80.59	0.08	23.94	67.77	144.42	16.75	58.93	9.89	1.23	6.47	0.80	4.11	0.88	2.16	0.27	2.17	0.25	27.99	1.25	8.61	354.31	383.47		0.64
SMDH 00059	146.9	138.57	0.12	36.87	120.63	259.58	30.12	100.53	16.90	1.56	11.24	1.38	6.55	1.21	3.03	0.27	2.99	0.25	50.55	2.29	16.04	647.03	563.76		
SMDH 00059	159.7	146.28	0.13	42.68	131.46	286.64	31.20	105.16	17.94	1.90	12.60	1.49	8.43	1.64	3.67	0.53	3.20	0.25	57.23	2.40	11.20	448.74	802.99	0.89	
SMDH 00059	135.6	129.31	0.15	31.43	107.47	228.87	26.86	94.76	16.10	1.68	9.31	1.15	6.55	1.21	2.27	0.27	2.07	0.25	46.69	2.19	13.33	581.65	651.65		1.48
SMDH 00059	83.4	87.64	0.09	12.69	76.27	158.31	18.91	64.71	10.46	2.01	5.90	0.69	3.33	0.55	0.86	0.27	0.62	0.25	30.83	1.25	9.32	408.35	563.58		
SMDH 00059	121.8	116.04	0.11	27.32	95.48	198.89	23.61	85.51	17.13	2.01	8.17	1.03	5.88	1.10	2.16	0.27	2.27	0.25	41.25	2.08	7.55	350.13	358.85	0.68	1.58
SMDH 00059	108.7	101.65	0.09	26.48	86.40	182.56	21.44	73.96	13.22	2.01	7.60	1.03	5.22	0.99	1.84	0.27	1.96	0.25	37.29	1.98	7.43	335.67	445.87		
SMDH 00059	144.6	133.35	0.11	36.87	110.85	238.25	27.59	97.07	17.02	2.01	10.10	1.26	7.44	1.31	2.70	0.27	2.58	0.25	49.75	2.71	8.96	391.46	604.32		
SMDH 00059	185.5	166.18	0.13	53.44	192.00	399.37	35.90	119.02	20.12	1.79	11.35	1.61	9.65	1.75	3.24	0.53	2.68	0.25	88.74	4.69	14.03	635.55	631.89		1.50
SMDH 00059	105.3	99.90	0.10	24.78	85.81	181.95	20.96	72.80	12.76	1.56	7.38	1.03	5.10	0.88	1.40	0.27	1.03	0.25	35.13	1.77	6.49	282.86	548.16	1.08	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00059	139.9	126.75	0.11	38.20	107.47	228.02	26.99	91.29	15.98	1.90	9.53	1.26	7.21	1.42	2.81	0.53	2.89	0.25	47.26	2.50	10.14	435.77	822.41		
SMDH 00059	133.4	124.06	0.10	33.61	101.53	216.20	25.90	90.13	14.95	1.68	9.31	1.15	6.88	1.21	2.49	0.27	2.68	0.25	46.81	1.98	10.73	469.40	802.30		1.56
SMDH 00059	160.9	144.28	0.13	45.82	121.09	256.90	30.84	102.84	17.94	1.68	11.01	1.49	9.10	1.64	3.24	0.64	3.10	0.25	52.70	2.08	12.03	500.07	986.92		
SMDH 00059	169.9	157.26	0.15	43.64	130.64	272.01	32.65	113.24	19.32	1.68	11.35	1.49	9.88	1.97	3.35	0.64	3.92	0.25	56.78	2.29	13.33	582.87	1189.92	0.61	
SMDH 00060	173.9	175.46	0.07	34.94	150.32	317.23	37.71	128.27	20.47	1.23	12.48	1.49	7.99	1.31	2.59	0.27	2.27	0.25	69.02	2.81	13.92	626.23	313.78		1.55
SMDH 00060	111.4	110.40	0.09	22.97	93.38	202.06	23.49	80.89	13.45	1.56	8.28	0.92	5.10	0.88	1.62	0.27	1.55	0.25	40.23	1.77	8.14	372.42	607.79		
SMDH 00060	106.9	97.33	0.11	28.29	83.37	170.74	20.60	70.49	12.65	1.90	7.15	0.92	5.33	1.10	2.16	0.27	2.17	0.25	33.09	1.46	8.84	378.63	616.46		
SMDH 00060	131.0	126.55	0.10	29.26	107.35	226.80	26.74	92.44	15.75	1.90	9.19	1.15	6.21	1.10	2.16	0.27	2.07	0.25	44.43	1.67	9.67	406.86	480.55	0.87	1.52
SMDH 00060	118.0	114.21	0.11	25.87	95.36	199.87	23.97	83.20	14.03	1.90	8.40	1.26	5.77	1.21	2.16	0.53	2.38	0.25	40.46	1.67	9.79	410.78	582.13		
SMDH 00060	167.0	161.34	0.13	37.72	140.65	282.74	34.21	117.87	20.58	2.12	11.69	1.49	7.77	1.42	2.70	0.27	2.68	0.25	56.21	2.19	8.25	369.58	522.50		
SMDH 00060	143.5	120.83	0.13	45.34	99.55	208.76	24.58	86.67	14.72	1.90	9.19	1.26	8.32	1.53	3.24	0.64	3.51	0.50	43.29	2.40	9.91	436.44	441.54		1.65
SMDH 00060	149.3	134.64	0.13	44.13	124.94	213.88	31.44	93.60	16.90	2.01	9.31	1.49	8.10	1.53	3.03	0.64	3.20	0.25	43.29	2.40	9.43	429.01	570.87	0.35	
SMDH 00060	103.5	80.06	0.12	38.69	73.59	164.89	16.75	56.62	10.46	1.45	8.06	1.03	5.66	1.31	3.24	0.53	3.82	0.60	34.34	2.50	11.67	394.30	631.02	0.26	1.45
SMDH 00061	131.7	124.30	0.06	31.80	114.46	238.01	25.42	91.29	15.98	1.01	9.87	1.26	6.33	1.10	2.49	0.27	2.17	0.25	50.32	2.40	12.15	500.07	377.05	0.81	0.72
SMDH 00061	138.4	131.20	0.11	33.13	131.81	284.93	27.59	95.91	15.18	1.68	9.99	1.26	6.44	1.21	3.24	0.27	2.89	0.25	43.63	2.08	11.20	417.80	786.69	0.79	
SMDH 00061	120.4	90.50	0.11	46.91	75.92	156.36	18.43	64.71	10.81	1.45	6.81	1.03	6.33	1.64	4.43	0.64	5.37	0.80	28.56	1.46	10.73	450.90	673.84		
SMDH 00061	106.1	106.64	0.08	21.76	95.36	196.33	23.97	77.42	13.80	1.68	8.85	0.92	4.33	0.77	1.94	0.27	1.14	0.25	36.61	1.67	10.38	424.42	562.20		1.48
SMDH 00061	132.1	130.68	0.11	28.05	113.29	234.48	28.67	94.76	16.33	2.01	10.78	1.15	6.10	0.99	2.05	0.27	1.65	0.25	48.62	2.29	10.85	463.59	683.89		
SMDH 00061	111.1	113.24	0.12	20.55	98.39	204.25	24.46	83.20	13.57	1.79	9.87	1.03	4.55	0.77	1.62	0.27	1.24	0.25	41.25	1.87	10.26	445.49	761.56	-	
SMDH 00061	53.8	55.35	0.10	8.95	50.53	104.93	12.29	40.44	6.55	1.79	4.09	0.29	2.33	0.27	0.65	0.27	0.52	0.25	21.65	0.94	8.14	316.76	750.98		1.53
SMDH 00062	212.9	202.46	0.18	51.14	154.74	333.31	42.04	147.91	27.82	1.34	19.86	2.18	10.32	1.75	4.32	0.53	4.54	0.70	71.63	4.89	27.48	1142.91	919.14		
SMDH 00062	49.0	32.57	0.28	21.64	21.31	36.07	6.26	21.96	5.52	1.01	4.88	0.69	3.66	0.66	1.94	0.27	1.96	0.25	4.31	0.52	4.25	203.57	1118.50		
SMDH 00062	51.1	30.75	0.45	23.82	14.32	33.39	4.82	20.80	4.94	1.34	4.65	0.80	4.33	0.77	2.27	0.27	2.38	0.25	2.83	0.62	5.19	242.47	1744.49	0.97	1.72
SMDH 00062	45.4	26.15	0.31	22.73	15.02	32.05	4.58	17.33	4.83	1.12	3.75	0.57	3.66	0.77	2.16	0.27	2.17	0.25	2.38	0.52	4.72	205.73	1351.67		
SMDH 00062	42.7	27.54	0.23	18.62	16.07	36.44	4.58	18.49	4.94	1.12	4.09	1.15	3.33	0.55	1.30	0.27	1.24	0.25	2.61	0.73	6.25	303.79	731.91		
SMDH 00062	90.0	55.98	0.15	41.47	33.42	74.22	9.16	36.98	9.89	1.68	8.28	2.41	7.44	1.42	2.92	0.27	2.07	0.25	7.48	0.94	3.18	140.35	770.75		
SMDH 00062	130.4	99.22	0.09	49.81	86.63	180.25	20.00	71.64	11.84	1.34	7.60	0.92	6.66	1.64	4.97	0.85	5.58	0.70	35.59	1.35	7.43	339.46	688.75		
SMDH 00062	153.7	150.79	0.09	33.49	139.37	285.91	32.04	110.93	19.66	1.45	11.80	1.26	6.55	1.10	2.70	0.27	2.68	0.25	56.21	3.12	14.98	691.88	583.52		
SMDH 00062	153.3	85.44	0.16	77.98	36.33	90.06	12.05	53.16	16.90	1.90	16.57	4.71	15.54	2.52	4.75	0.64	3.30	0.25	6.80	1.98	4.72	201.00	807.67	0.31	1.65
SMDH 00062	153.3	85.44	0.16	77.98	36.33	90.06	12.05	53.16	16.90	1.90	16.57	4.71	15.54	2.52	4.75	0.64	3.30	0.25	6.80	1.98	4.72	201.00	807.67	0.31	1.65
SMDH 00063	60.4	54.19	0.06	16.80	45.76	96.76	11.44	39.29	6.90	0.89	4.65	0.57	2.89	0.55	1.30	0.27	1.24	0.25	17.34	1.04	5.42	226.80	254.31		
SMDH 00063	91.4	82.58	0.10	25.03	69.05	146.73	17.35	60.09	10.46	1.12	6.36	1.26	3.88	0.88	2.59	0.27	2.07	0.25	27.65	1.04	7.90	318.25	446.57		1.58
SMDH 00063	85.4	84.70	0.10	17.41	76.61	158.43	17.71	62.40	10.92	1.01	6.13	1.26	3.33	0.55	1.62	0.27	1.03	0.25	29.81	1.35	8.37	380.66	502.91		
SMDH 00063	75.4	72.34	0.10	16.32	68.35	137.10	14.82	53.16	8.62	1.56	5.11	1.03	3.33	0.55	1.62	0.27	1.24	0.25	23.91	0.83	8.61	362.01	599.99	1.23	
SMDH 00063	142.7	124.87	0.13	42.43	109.68	235.82	26.02	90.13	16.79	1.45	10.44	1.95	6.77	1.42	3.89	0.64	3.41	0.50	44.88	2.40	16.51	691.88	557.17		1.54
SMDH 00063	124.8	114.68	0.15	33.00	102.11	216.32	24.21	83.20	15.64	1.34	8.28	1.49	5.77	1.21	2.92	0.53	3.10	0.50	43.29	1.56	12.97	513.03	702.79		
SMDH 00063	115.6	101.42	0.13	34.58	91.98	186.83	21.81	72.80	12.30	1.45	7.49	1.38	5.44	1.10	3.03	0.53	3.20	0.25	34.57	1.25	12.03	496.55	771.61		
SMDH 00063	32.4	20.78	0.22	14.27	14.44	33.03	3.86	13.87	4.25	1.23	3.29	0.29	2.77	0.55	1.19	0.27	1.14	0.25	4.08	0.73	3.66	178.58	711.63		
SMDH 00063	135.7	126.22	0.12	34.58	111.55	223.87	26.62	92.44	13.80	1.56	8.51	1.49	5.66	1.21	3.03	0.53	3.51	0.50	42.73	1.15	11.67	503.44	847.37	0.48	1.51
SMDH 00063	125.9	107.73	0.13	40.26	93.61	198.65	23.49	77.42	13.57	1.45	8.40	1.38	5.44	1.21	3.67	0.64	3.92	0.50	38.99	1.56	9.20	393.35	785.48		
SMDH 00063	163.4	139.77	0.13	51.02	121.68	256.41	29.03	101.69	16.67	1.68	10.89	1.95	7.10	1.64	4.32	0.74	4.54	0.50	50.55	1.98	10.50	482.64	831.42		
SMDH 00063	140.9	126.05	0.13	41.47	116.09	238.62	27.95	91.29	15.41	1.34	9.42	1.26	5.55	1.42	3.78	0.64	4.34	0.60	45.45	1.46	7.08	270.30	576.24		1.59
SMDH 00064	143.3	120.20	0.16	46.18	106.54	217.66	25.30	85.51	14.37	2.23	10.67	1.95	7.44	1.42	3.57	0.53	3.82	0.25	38.65	2.40	9.20	404.02	1148.32	1.89	
SMDH 00064	135.4	117.56	0.13	41.35	111.20	220.46	25.42	83.20	14.26	1.90	9.76	2.07	6.88	1.31	3.13	0.27	2.99	0.25	38.08	2.40	11.79	514.79	1016.74		1.25
SMDH 00064	102.4	90.57	0.08	29.98	77.78	158.92	19.28	64.71	11.61	1.12	7.26	1.03	5.55	0.99	2.49	0.27	2.58	0.25	30.49	2.19	10.61	451.57	410.68		
SMDH 00064																									
SMDH 00064	99.8	88.67	0.07	28.41	73.47	156.60	18.31	63.56	12.53	1.01	8.74	1.15	5.66	0.99	2.27	0.27	1.65	0.25	32.19	2.81	5.19	199.78	462.34	0.85	
SMDH 00064																									
SMDH 00064	171.7	163.47	0.08	41.47	136.81	294.80	34.33	117.87	21.96	1.12	14.87	1.95	9.32	1.42	3.13	0.27	2.79	0.25	62.67	4.48	8.96	318.38	804.72		1.42
SMDH 00064	215.0	192.23	0.09	60.57	156.84	342.09	39.39	138.67	24.60	1.56	18.16	2.18	11.98	2.08	5.40	0.74	4.65	0.80	74.01	3.85	6.84	252.33	554.92		
SMDH 00064	134.6	127.69	0.09	32.76	107.12	227.04	26.99	92.44	16.21	1.12	10.44	1.38	6.88	1.10	2.81	0.27	2.17	0.25	46.35	2.50	8.84	325.68	523.37		
SMDH 00064	156.4	162.78	0.06	26.72	141.12	293.83	34.57	120.18	20.35	1.45	12.48	1.26	6.77	0.99	1.84	0.27	1.24	0.25	62.67	2.71	7.55	281.10	495.80	0.75	1.44
SMDH 00064	150.6	129.65	0.14	45.34	105.26	221.56	25.42	94.76	17.02	1.01	10.44	1.26	8.21	1.53	3.89	0.74	4.44	0.70	50.32	3.33	8.84	350.53	816.51		
SMDH 00064	81.7	65.79	0.06	29.01	57.98	120.89	14.22	46.22	8.39	1.12	5.90	0.80	4.55	0.99	2.27	0.27	2.58	0.25	26.52	1.46	5.19	202.89	476.21		
SMDH 00064	81.7	65.79	0.06	29.01	57.98	120.89	14.22	46.22	8.39	1.12	5.90	0.80	4.55	0.99	2.27	0.27	2.58	0.25	26.52	1.46	5.19	202.89	476.21		
SMDH 00065	31.7	30.31	0.04	7.50	27.94	57.64	6.63	21.96	4.60	0.56	2.61	0.29	1.44	0.27	0.65	0.27	0.62	0.25	10.20	0.94	4.84	193.97	115.63		
SMDH 00065	122.9	114.82	0.07	30.95	104.56	214.86	24.82	83.20	13.80	1.90	9.31	1.15	5.66	1.10	2.81	0.27	2.48	0.25	38.65	2.81	10.61	468.32	494.07		
SMDH 00065	225.3	230.13	0.06	41.10	207.84	425.32	47.83	171.02	28.17	1.90	18.61	2.30	8.99	1.42	3.13	0.27	2.38	0.25	82.62	5.00	11.91	539.24	398.55	1.44	1.52
SMDH 00065	121.8	128.79	0.09	18.50	106.19	227.29	26.62	95.91	15.52	1.12	10.89	1.26	4.99	0.77	1.19	0.27	0.72	0.25	46.92	5.94	12.03	500.07	744.40		
SMDH 00065	106.4	110.29	0.09	17.89	92.10	200.96	23.37	80.89	14.83	1.56	9.76	1.15	4.88	0.66	1.08	0.27	0.72	0.25	42.73	4.27	7.55	323.38	642.29		
SMDH 00065	129.3	122.52	0.08	29.74	103.63	216.56	25.06	88.98	16.79	2.12	12.37	1.49	6.99	1.10	2.27	0.27	1.34	0.25	42.50	4.27	9.43	390.38	625.82		1.38
SMDH 00065	66.3	68.39	0.06	10.28	59.03	124.19	13.97	50.84	8.05	1.56	5.56	0.69	2.89	0.27	0.76	0.27	0.52	0.25	23.23	2.08	6.25	270.02	528.74	1.10	
SMDH 00065	88.4	93.56	0.06	13.18	100.02	184.27	20.36	68.18	13.91	2.01	8.17	0.92	4.11	0.27	0.76	0.27	0.26	0.25	34.91	3.85	7.43	293.53	490.77		
SMDH 00065	101.5	105.06	0.09	16.93	92.22	198.53	22.17	77.42	14.03	1.68	8.85	1.15	4.33	0.66	1.19	0.27	0.83	0.25	38.76	4.48	9.91	424.42	800.39		1.38
SMDH 00065	176.0	129.41	0.20	70.48	102.00	219.61	25.30	91.29	18.05	1.45	13.50	1.72	11.10	2.52	7.24	1.27	8.98	1.41	47.83	6.46	13.09	562.34	769.19		
SMDH 00065	124.4	95.78	0.15	45.58	74.75	160.87	18.67	68.18	12.88	1.68	9.99	1.61	7.32	1.42	4.11	0.64	3.92	0.60	36.38	6.25	11.20	434.55	808.88	0.69	
SMDH 00065	78.2	71.37	0.06	19.71	60.90	125.89	14.46	52.00	8.74	1.56	6.70	0.92	3.99	0.55	1.73	0.27	1.03	0.25	25.50	3.75	7.90	315.14	479.33		1.48
SMDH 00065	138.7	112.92	0.16	46.67	96.76	197.31	22.77	80.89	13.91	1.90	10.78	1.61	7.66	1.31	3.89	0.74	3.72	0.60	40.12	6.56	11.32	447.52	731.57		
SMDH 00066	108.3	100.95	0.07	27.32	89.19	183.54	21.56	72.80	12.88	1.56	8.28	1.03	5.55	0.99	3.13	0.27	2.79	0.25	35.59	2.60	13.09	585.17	532.90		
SMDH 00066	72.8	65.22	0.06	20.07	55.77	115.17	13.49	47.38	8.28	1.01	5.56	0.69	3.66	0.66	2.05	0.27	1.65	0.25	21.19	1.67	7.55	341.08	388.49		1.50
SMDH 00066	103.9	105.80	0.08	19.58	97.46	191.34	23.25	77.42	12.76	1.79	8.17	0.80	4.33	0.77	2.16	0.27	1.65	0.25	32.98	2.08	10.73	458.60	471.88		
SMDH 00066	76.3	79.16	0.09	13.42	69.51	147.34	17.59	57.78	10.81	1.34	6.81	0.69	3.11	0.27	1.62	0.27	1.14	0.25	31.17	1.46	6.13	243.41	654.77	1.40	
SMDH 00066	61.0	60.23	0.08	12.81	54.61	112.36	13.37	43.91	8.16	1.34	5.22	0.29	2.66	0.55	1.30	0.27	1.14	0.25	22.44	1.25	6.37	254.22	473.79		1.48
SMDH 00066	85.9	81.54	0.12	20.19	73.12	156.60	17.59	58.93	10.69	1.79	6.81	0.80	4.22	0.66	2.38	0.27	2.17	0.25	30.15	1.15	8.14	335.40	648.88		
SMDH 00066	95.7	89.92	0.09	23.09	89.19	169.76	19.03	65.87	11.38	1.68	7.38	0.92	4.11	0.77	1.94	0.27	2.17	0.25	27.20	1.25	7.43	311.36	663.61		
SMDH 00066	96.2	102.12	0.05	14.27	101.65	209.25	22.17	76.27	13.11	2.01	7.49	0.69	3.00	0.55	1.19	0.27	0.93	0.25	40.80	1.04	5.19	223.15	303.90	0.73	1.63

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00066	99.5	95.43	0.09	23.45	93.50	189.75	20.96	69.33	12.42	1.56	7.60	0.80	4.33	0.77	2.27	0.27	2.38	0.25	35.36	1.25	7.31	332.43	583.52		
SMDH 00067	124.4	109.54	0.13	36.75	93.26	209.01	23.49	78.58	14.03	1.56	8.51	1.15	6.33	1.21	3.03	0.27	3.20	0.50	39.21	2.50	10.73	463.32	684.59		
SMDH 00067	100.2	92.46	0.10	25.99	79.76	176.35	19.64	67.02	12.30	1.34	7.15	0.92	4.88	0.88	2.16	0.27	2.07	0.25	33.77	2.40	9.55	395.65	473.96		
SMDH 00067	54.0	43.19	0.09	18.74	34.81	75.32	8.91	30.04	6.09	1.01	4.09	0.57	3.66	0.66	1.51	0.27	1.45	0.25	11.67	0.94	5.07	216.13	438.77	1.78	1.50
SMDH 00067	54.8	44.91	0.09	18.13	39.59	81.77	9.16	32.36	5.86	0.89	3.52	0.29	3.11	0.55	1.62	0.27	1.55	0.25	13.49	1.04	5.54	243.41	456.10		
SMDH 00067	66.4	71.80	0.09	9.43	69.74	143.07	16.02	53.16	8.16	1.23	4.65	0.29	2.33	0.27	0.76	0.27	0.52	0.25	27.65	0.94	5.42	250.57	544.34		
SMDH 00067	69.9	77.41	0.08	7.86	77.55	150.02	17.35	57.78	9.20	2.01	4.77	0.29	2.00	0.27	0.65	0.27	0.26	0.25	25.73	0.83	5.66	252.46	532.03		1.42
SMDH 00067	49.3	52.81	0.09	6.41	51.81	103.59	11.69	39.29	6.21	1.79	3.18	0.29	1.55	0.27	0.54	0.27	0.26	0.25	17.79	0.73	6.96	310.14	622.53	0.25	
SMDH 00067	49.3	52.81	0.09	6.41	51.81	103.59	11.69	39.29	6.21	1.79	3.18	0.29	1.55	0.27	0.54	0.27	0.26	0.25	17.79	0.73	6.96	310.14	622.53	0.25	
SMDH 00068	113.2	98.00	0.09	34.58	83.83	176.83	20.60	70.49	11.96	1.23	7.26	1.03	5.88	1.10	3.03	0.27	3.10	0.25	31.39	2.40	14.86	673.51	568.96		
SMDH 00068	114.5	106.55	0.11	29.62	94.66	198.77	22.77	77.42	13.11	1.12	7.72	0.92	5.44	0.99	2.49	0.27	2.58	0.25	37.06	2.08	8.73	407.13	456.10		1.62
SMDH 00068	90.6	65.01	0.19	37.96	55.89	119.07	13.37	45.07	8.74	1.01	5.45	0.80	5.77	1.21	3.46	0.64	4.13	0.60	21.08	1.67	5.78	260.84	511.58		
SMDH 00068	86.4	62.55	0.19	35.18	52.05	112.24	12.29	43.91	7.93	1.01	5.22	0.80	5.55	1.21	3.46	0.64	3.92	0.60	19.83	1.67	7.90	345.26	497.19	0.98	
SMDH 00068	67.6	53.65	0.15	24.06	46.92	94.45	11.32	36.98	7.47	1.23	4.99	0.69	4.66	0.88	2.16	0.27	2.27	0.25	15.87	1.25	5.66	255.71	471.88		1.32
SMDH 00068	93.8	71.75	0.20	35.42	59.85	122.24	14.82	49.69	9.43	1.45	6.36	1.03	6.21	1.21	3.03	0.53	3.41	0.50	21.42	2.08	6.84	295.96	574.68		
SMDH 00068	74.5	70.49	0.10	17.89	62.53	128.45	15.18	50.84	8.85	1.34	5.45	0.69	3.77	0.66	1.51	0.27	1.45	0.25	23.46	1.04	5.31	230.18	498.75		
SMDH 00068	68.5	70.75	0.09	11.85	68.70	138.32	16.02	52.00	8.39	1.90	4.77	0.29	2.44	0.27	1.08	0.27	0.93	0.25	24.37	0.73	3.66	162.10	572.77		1.51
SMDH 00068	77.2	75.29	0.12	16.44	68.00	138.69	16.14	55.47	9.54	1.56	5.22	0.57	3.11	0.55	1.51	0.27	1.86	0.25	25.27	1.35	4.48	193.70	559.25		
SMDH 00068	92.0	72.63	0.16	33.00	64.04	132.35	15.54	50.84	9.20	1.90	5.67	0.80	5.44	1.10	3.03	0.53	3.61	0.60	23.35	1.35	4.13	178.85	634.83		
SMDH 00069	126.0	122.75	0.10	29.14	108.63	253.12	26.74	88.98	15.64	0.89	10.55	1.26	5.77	1.10	2.81	0.27	2.58	0.25	49.87	3.23	34.91	1579.49	865.75		
SMDH 00069	97.6	84.36	0.18	29.01	75.57	181.22	16.99	61.24	10.58	1.23	7.26	0.92	5.22	1.10	3.03	0.27	3.10	0.25	33.43	1.87	11.56	546.40	1042.22		
SMDH 00069	128.2	105.98	0.16	42.43	92.80	186.46	21.68	76.27	12.07	1.45	8.97	1.15	6.88	1.42	4.11	0.64	3.82	0.25	35.36	1.67	9.32	426.18	737.63		0.91
SMDH 00069	104.7	82.83	0.14	37.96	75.22	148.32	17.47	57.78	10.92	1.34	7.60	1.03	6.55	1.42	4.21	0.64	3.92	0.50	28.45	1.56	7.43	332.57	560.98	1.24	
SMDH 00069	108.4	90.91	0.13	35.30	80.57	147.22	19.40	64.71	10.81	1.56	7.26	1.15	5.66	1.31	4.32	0.27	4.03	0.25	28.33	1.67	11.56	454.27	752.02		
SMDH 00069	104.3	78.08	0.16	41.83	71.38	138.93	16.87	54.31	8.85	1.23	5.67	0.80	6.10	1.53	4.32	0.64	4.65	0.25	24.03	1.15	8.84	384.30	619.06		1.51
SMDH 00069	144.8	119.37	0.17	48.36	92.57	202.55	25.06	85.51	13.11	2.12	9.76	1.15	7.66	1.75	6.27	0.85	4.44	0.70	35.93	1.77	11.56	491.42	840.26		
SMDH 00069	123.9	101.48	0.16	42.19	81.85	179.88	21.32	72.80	11.84	1.56	7.83	1.03	6.33	1.42	5.08	0.74	4.23	0.60	29.47	1.25	10.50	467.65	793.98	1.15	
SMDH 00069	139.3	112.87	0.16	48.96	91.63	206.57	24.21	79.73	13.11	1.68	9.19	1.26	7.66	1.64	5.62	0.74	4.13	0.70	34.91	1.56	13.21	593.41	908.56		1.61
SMDH 00069	125.4	93.16	0.15	49.57	75.10	165.74	19.15	65.87	10.92	1.79	7.38	1.03	7.10	1.75	5.62	0.74	5.06	0.70	27.31	1.56	8.49	382.41	718.57		
SMDH 00069	124.9	104.87	0.15	40.50	84.88	187.31	22.29	75.11	12.53	1.79	8.74	1.03	6.44	1.42	4.65	0.64	3.72	0.25	32.87	1.56	7.78	365.12	681.99		
SMDH 00069	130.5	108.20	0.16	42.55	85.23	187.44	22.05	78.58	12.76	1.79	8.74	1.03	6.55	1.53	4.86	0.64	3.72	0.60	33.21	2.08	10.02	436.04	874.41	1.14	1.55
SMDH 00069	136.3	107.15	0.18	50.17	86.51	190.73	23.01	75.11	12.99	2.01	8.85	1.15	7.88	1.75	6.05	0.85	4.85	0.80	32.64	1.87	10.61	462.65	764.85		
SMDH 00069	147.2	123.08	0.18	50.53	113.52	211.32	28.31	85.51	15.06	1.90	9.31	1.38	7.88	1.86	6.05	0.96	5.06	0.70	33.77	1.77	10.85	488.04	786.69		
SMDH 00069	122.9	102.41	0.14	40.14	81.16	178.42	21.32	73.96	13.22	1.68	8.06	1.03	6.10	1.42	4.86	0.74	4.13	0.60	30.15	1.77	9.32	433.88	769.71		1.52
SMDH 00069	120.3	93.73	0.16	44.01	81.97	171.10	18.79	67.02	11.38	1.34	7.60	1.03	6.88	1.53	5.08	0.64	5.16	0.70	29.58	1.77	9.08	424.15	647.14	0.83	
SMDH 00069	111.1	86.22	0.16	41.59	74.87	155.51	17.95	61.24	10.23	1.23	6.70	1.03	5.99	1.53	4.97	0.64	4.75	0.60	26.41	1.35	9.08	421.99	817.73		
SMDH 00069	109.3	87.50	0.15	38.20	75.92	153.43	17.59	63.56	10.81	1.23	7.04	0.92	5.44	1.31	4.43	0.53	4.23	0.50	26.52	1.67	8.25	375.39	577.45		1.71
SMDH 00069	104.6	89.92	0.11	33.49	74.52	156.60	20.12	63.56	11.96	1.34	6.70	0.92	5.33	1.10	3.57	0.64	4.03	0.25	29.24	1.67	8.61	317.98	487.48		
SMDH 00070	72.6	68.25	0.12	17.53	62.06	126.13	14.09	49.69	9.89	0.89	5.56	0.80	3.66	0.66	2.05	0.27	1.76	0.25	34.11	2.08	10.38	505.33	590.28		1.61
SMDH 00070	110.0	94.00	0.13	34.21	93.73	178.78	19.40	67.02	11.27	1.23	6.70	1.03	6.55	1.21	3.89	0.53	3.92	0.50	34.00	1.77	7.31	365.12	571.91		
SMDH 00070	136.9	104.65	0.18	48.12	91.87	160.62	20.48	72.80	17.71	4.58	10.67	1.61	9.77	1.53	4.86	0.64	3.72	0.60	12.01	1.46	5.42	322.44	1817.82	3.49	
SMDH 00070	89.9	82.71	0.12	23.57	79.99	155.63	17.71	60.09	10.12	1.34	4.99	0.80	4.11	0.77	3.13	0.27	2.79	0.25	28.67	0.94	7.43	410.51	545.73		1.72
SMDH 00070	66.5	58.08	0.10	19.83	58.68	109.56	12.53	41.60	7.01	1.12	3.18	0.29	3.66	0.66	2.05	0.27	2.48	0.25	20.29	0.94	7.67	450.90	685.97		
SMDH 00070	21.4	16.55	0.02	7.98	18.98	33.76	3.37	11.56	1.84	0.28	1.13	0.29	1.33	0.27	0.86	0.27	0.93	0.25	14.73	2.60	2.00	104.69	99.85		
SMDH 00070	67.6	56.15	0.09	22.73	53.09	105.54	12.29	39.29	7.36	1.01	4.09	0.69	3.88	0.77	2.59	0.27	2.68	0.25	19.49	1.04	5.90	300.01	511.75	1.56	1.71
SMDH 00070	87.3	71.96	0.13	29.74	70.09	140.39	15.54	50.84	8.97	1.12	4.65	0.80	4.77	0.99	3.46	0.27	3.41	0.50	24.03	1.35	6.49	358.64	615.94		
SMDH 00070	68.4	62.78	0.14	17.65	55.77	116.87	13.25	45.07	8.62	1.23	4.88	0.69	3.77	0.66	1.94	0.27	1.96	0.25	24.48	1.87	9.67	558.15	1458.97		
SMDH 00070	92.9	77.09	0.13	31.43	76.27	149.78	16.87	54.31	10.00	1.23	5.33	0.92	4.99	0.99	3.35	0.27	3.61	0.50	26.86	1.87	7.67	456.03	645.58		1.69
SMDH 00070	97.0	79.84	0.13	32.64	72.89	145.63	16.75	56.62	9.66	1.23	5.90	1.03	5.44	1.10	3.89	0.64	3.61	0.50	26.86	2.60	7.67	372.96	509.67	0.93	
SMDH 00070	89.8	78.50	0.13	26.84	72.77	150.14	16.75	56.62	9.77	1.23	5.90	0.80	4.33	0.99	3.67	0.27	3.10	0.50	27.77	1.56	8.61	383.90	575.20		
SMDH 00070	89.4	77.43	0.13	27.08	69.28	142.22	16.50	55.47	9.66	1.34	6.70	0.80	4.66	0.99	3.89	0.27	3.10	0.25	26.18	2.29	8.37	342.70	506.72		1.55
SMDH 00070	71.2	57.89	0.13	25.03	54.26	108.95	12.77	40.44	6.90	1.01	3.97	0.57	4.11	0.77	3.67	0.27	3.41	0.25	19.04	0.73	11.56	588.27	463.90	0.71	
SMDH 00070	71.9	61.55	0.13	23.45	58.33	124.06	14.34	42.76	6.55	1.23	4.09	0.57	3.88	0.88	3.35	0.27	2.89	0.25	23.46	0.62	7.67	337.43	562.37		1.68
SMDH 00070	130.4	101.20	0.21	48.96	91.87	186.95	21.20	71.64	11.96	1.45	7.94	1.03	7.32	1.86	5.08	0.74	5.16	0.80	36.15	1.67	15.09	693.64	631.19		
SMDH 00070	100.1	81.26	0.16	34.82	76.15	156.11	17.35	57.78	9.43	1.34	6.58	0.92	5.22	1.21	3.57	0.53	3.51	0.25	28.67	1.35	9.91	440.50	623.91		
SMDH 00070	29.5	21.89	0.09	11.00	22.36	43.75	4.70	15.02	2.41	1.34	1.70	0.29	1.89	0.27	1.19	0.27	1.14	0.25	7.25	0.62	8.73	409.83	483.67	0.87	1.82
SMDH 00071	82.0	80.02	0.05	17.89	66.02	148.32	16.62	58.93	10.92	0.67	6.01	0.69	3.77	0.66	1.40	0.27	1.55	0.25	31.51	1.98	15.45	651.63	285.17	40.75	1.73
SMDH 00071	111.4	105.71	0.09	26.48	90.35	195.60	21.93	77.42	13.91	1.12	8.51	1.03	5.33	0.99	2.05	0.27	2.27	0.25	41.03	2.50	17.45	762.39	497.01		
SMDH 00071	121.4	109.89	0.10	33.00	95.13	184.02	23.13	79.73	14.72	1.68	8.40	1.03	5.99	1.10	2.38	0.27	2.68	0.25	38.53	1.67	12.38	528.57	722.55		
SMDH 00071	113.6	98.76	0.10	33.61	80.57	172.32	20.24	70.49	14.60	1.45	8.28	1.15	6.88	1.21	2.38	0.27	2.58	0.25	34.68	1.77	7.67	351.34	760.52		1.62
SMDH 00071	94.6	80.96	0.08	28.65	65.79	141.73	16.38	57.78	11.50	1.34	7.38	1.03	5.77	0.99	1.84	0.27	2.07	0.25	30.03	2.08	9.67	414.70	680.43	4.48	
SMDH 00071	80.7	68.06	0.07	24.90	55.42	115.78	13.61	48.53	10.00	1.34	6.36	0.92	4.99	0.88	1.73	0.27	1.55	0.25	24.59	1.46	6.25	276.78	528.05		
SMDH 00071	80.9	81.22	0.10	15.84	70.68	145.88	17.71	58.93	11.15	1.56	6.36	0.80	3.77	0.66	1.19	0.27	1.14	0.25	28.22	1.15	7.78	333.24	549.02	1.42	1.60
SMDH 00071	80.8	68.66	0.09	25.27	54.84	117.48	14.22	48.53	9.31	1.12	6.24	1.03	4.88	0.88	1.51	0.27	1.45	0.25	23.35	1.46	9.55	394.57	625.82		1.74
SMDH 00071	90.1	57.97	0.16	42.43	48.67	99.32	11.44	39.29	6.44	1.12	4.20	0.80	6.44	1.53	3.13	0.64	3.92	0.60	19.27	0.83	12.62	534.24	835.93		
SMDH 00071	120.5	117.27	0.10	26.84	100.60	215.83	25.18	85.51	15.64	1.56	8.85	1.15	5.44	0.99	1.84	0.27	2.07	0.25	48.17	1.56	10.38	435.50	787.04	10.47	
SMDH 00071	107.8	95.51	0.10	30.47	75.92	161.96	19.64	68.18	13.57	1.45	8.51	1.26	6.44	1.10	1.94	0.27	1.96	0.25	34.79	1.67	11.67	506.01	652.69		1.55
SMDH 00071	117.9	98.48	0.12	37.72	75.57	164.40	20.00	69.33	14.37	1.68	9.19	1.49	7.66	1.31	2.38	0.27	2.38	0.25	33.66	2.08	10.26	407.81	627.03		
SMDH 00071	117.9	98.48	0.12	37.72	75.57	164.40	20.00	69.33	14.37	1.68	9.19	1.49	7.66	1.31	2.38	0.27	2.38	0.25	33.66	2.08	10.26	407.81	627.03		
SMDH 00072	113.6	116.56	0.08	20.31	93.15	210.71	24.09	86.67	15.06	0.78	8.17	0.92	4.88	0.88	1.51	0.27	1.65	0.25	48.05	2.29	16.39	686.75	391.09		
SMDH 00072	151.7	147.72	0.11	33.37	123.07	252.27	30.84	108.62	18.51	1.45	10.21	1.38	6.88	1.21	2.49	0.27	2.58	0.25	54.74	2.60	16.27	689.99	583.35	3.72	
SMDH 00072	118.1	114.60	0.10	25.63	99.79	189.75	24.21	84.36	14.95	2.12	8.28	1.03	4.99	0.88	1.73	0.27	1.86	0.25	40.12	1.46	10.26	446.71	572.60		1.52
SMDH 00072	88.1	83.38	0.08	20.79	67.65	145.63	17.23	61.24	11.38	1.12	6.70	0.80	4.11	0.77	1.51	0.27	1.86	0.25	33.66	1.46	8.96	377.28	399.07		
SMDH 00072	113.3	110.16	0.10	24.78	91.87	201.45	23.13	80.89	14.60	1.45	7.94	1.03	5.10	0.99	1.73	0.27	1.96	0.25	44.31	1.77	9.43	407.67	511.23		
SMDH 00072	103.9	92.64	0.11	29.26	73.12	165.99	19.15	67.02	12.07	1.12	7.15	0.92	5.55	1.10	2.27	0.27	2.38	0.25	36.27	1.77	7.78	321.76	436.51	3.94	1.56
SMDH 00072	93.2	83.35	0.09	26.23	66.72	147.34	17.35	60.09	10.92	1.01	5.79	0.92	4.99	0.99	1.94	0.27	2.17	0.25	30.26	1.35	6.49	272.86	369.77		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00072	114.2	110.17	0.11	25.63	98.39	193.53	23.37	80.89	13.45	1.79	7.60	0.92	4.99	0.88	1.62	0.27	1.76	0.25	34.11	1.35	6.49	291.10	598.08		
SMDH 00072	83.5	77.44	0.09	20.55	61.83	133.69	16.02	56.62	10.69	1.56	5.67	0.69	4.11	0.66	1.30	0.27	1.34	0.25	28.90	1.15	6.13	261.38	403.92	1.40	
SMDH 00072	95.3	81.84	0.05	28.53	66.72	144.05	17.11	58.93	11.38	2.01	6.13	0.80	4.99	0.88	2.05	0.27	2.17	0.25	31.51	1.35	4.60	201.67	268.70		
SMDH 00072	99.6	85.19	0.08	30.71	65.32	143.68	17.59	61.24	11.84	1.34	6.58	0.92	5.44	0.99	2.05	0.27	2.38	0.25	31.85	1.56	6.37	267.86	410.86		1.74
SMDH 00072	130.9	121.72	0.09	32.40	94.66	202.30	24.94	88.98	15.75	1.68	8.85	1.15	6.66	1.21	2.27	0.27	2.27	0.25	45.79	1.77	8.37	365.26	521.81		
SMDH 00072	109.7	96.01	0.09	32.04	74.29	164.77	19.88	69.33	13.11	1.56	7.49	1.03	5.77	1.10	2.16	0.27	2.27	0.25	37.97	1.56	7.31	322.17	639.69	0.39	
SMDH 00072	128.2	106.53	0.12	41.83	80.34	175.25	21.68	76.27	14.60	1.56	8.06	1.15	7.44	1.31	2.92	0.53	3.41	0.25	40.91	1.77	8.49	354.18	615.42		1.78
SMDH 00072	122.6	109.98	0.11	33.97	89.31	189.51	22.89	79.73	15.52	1.56	8.28	1.03	6.33	1.21	2.49	0.27	2.68	0.25	42.61	1.87	7.90	325.14	463.56		
SMDH 00072	108.9	100.02	0.08	28.65	80.81	174.88	21.08	72.80	12.88	1.34	7.60	0.92	5.22	1.10	2.05	0.27	2.07	0.25	38.87	1.46	7.78	328.92	447.43		
SMDH 00072	108.9	100.02	0.08	28.65	80.81	174.88	21.08	72.80	12.88	1.34	7.60	0.92	5.22	1.10	2.05	0.27	2.07	0.25	38.87	1.46	7.78	328.92	447.43		
SMDH 00073	109.4	106.98	0.10	23.33	83.02	206.45	22.05	78.58	14.26	1.12	8.28	1.03	5.33	0.88	1.84	0.27	1.65	0.25	43.86	1.98	11.79	537.48	412.76		
SMDH 00073	146.8	143.89	0.11	31.19	118.18	244.23	29.88	106.31	18.97	1.56	10.67	1.26	6.44	1.10	2.16	0.27	2.07	0.25	52.59	2.29	14.62	634.34	458.18		1.55
SMDH 00073	144.1	150.49	0.13	23.82	134.72	261.78	32.53	110.93	19.20	2.35	10.78	1.26	5.77	0.88	1.62	0.27	1.34	0.25	48.51	1.56	13.21	563.01	789.99		
SMDH 00073	99.6	100.03	0.09	18.86	83.37	175.13	20.72	73.96	13.91	1.45	7.83	0.92	4.44	0.66	1.30	0.27	1.14	0.25	35.81	1.67	9.67	414.43	346.19	1.08	
SMDH 00073	99.7	104.95	0.08	15.72	87.79	186.46	22.29	77.42	14.26	1.34	8.06	0.92	4.33	0.55	0.97	0.27	0.72	0.25	39.10	1.46	9.08	388.22	382.77		1.62
SMDH 00073	128.9	130.05	0.11	24.42	106.89	227.53	27.23	95.91	17.13	1.68	9.99	1.03	5.88	0.88	1.51	0.27	1.45	0.25	49.64	1.67	11.20	463.86	506.72		
SMDH 00073	89.1	85.38	0.09	20.55	70.09	149.78	18.07	62.40	11.27	1.23	6.47	0.69	4.22	0.66	1.40	0.27	1.55	0.25	32.53	1.46	7.67	336.89	525.45		
SMDH 00073	92.3	79.16	0.11	28.65	65.79	138.08	16.75	56.62	10.92	1.23	6.36	0.80	4.99	0.99	1.94	0.27	2.38	0.25	33.09	1.04	4.60	203.43	448.13	1.20	1.45
SMDH 00073	111.0	84.89	0.16	42.19	68.81	151.24	17.23	60.09	11.84	1.12	6.92	0.92	6.66	1.53	3.24	0.74	4.23	0.60	36.27	1.46	8.25	350.80	613.16		
SMDH 00073	100.6	90.20	0.11	27.44	71.14	151.36	18.31	65.87	11.84	1.23	6.70	0.80	5.22	0.99	1.94	0.27	2.27	0.25	37.06	1.04	4.48	191.54	500.83		
SMDH 00073	121.0	98.54	0.16	41.47	79.99	169.76	20.36	70.49	12.30	1.34	7.15	0.92	6.77	1.53	3.35	0.74	4.03	0.60	40.01	1.35	6.84	292.31	661.18		1.52
SMDH 00073	94.9	104.90	0.07	10.76	93.15	191.94	22.53	78.58	12.88	1.79	6.70	0.69	3.11	0.27	0.76	0.27	0.52	0.25	44.43	0.94	7.19	320.68	608.48	0.24	
SMDH 00073	127.3	143.93	0.06	11.97	130.99	267.99	30.84	108.62	17.48	2.23	9.42	0.92	3.55	0.27	0.76	0.27	0.52	0.25	61.09	0.94	5.90	260.70	521.98		
SMDH 00073	106.6	117.58	0.04	11.12	107.94	214.61	24.70	88.98	13.80	2.57	7.38	0.80	3.11	0.27	0.76	0.27	0.62	0.25	44.65	0.83	5.19	227.07	210.98		1.81
SMDH 00073	106.6	117.58	0.04	11.12	107.94	214.61	24.70	88.98	13.80	2.57	7.38	0.80	3.11	0.27	0.76	0.27	0.62	0.25	44.65	0.83	5.19	227.07	210.98		1.81
SMDH 00074	80.2	75.66	0.16	18.62	59.62	179.27	15.06	55.47	9.89	1.01	6.81	0.80	4.33	0.77	2.38	0.27	2.27	0.25	41.37	1.87	13.80	524.25	384.51		
SMDH 00074	90.7	87.45	0.16	20.55	77.90	170.62	18.43	63.56	11.15	1.12	7.38	0.80	4.66	0.88	2.49	0.27	2.07	0.25	42.95	1.56	12.62	465.62	474.48	3.26	1.35
SMDH 00074	142.2	132.71	0.14	33.13	109.33	221.92	25.90	98.22	18.51	2.23	12.48	1.26	7.32	1.21	3.89	0.27	2.58	0.25	47.71	1.25	10.85	414.70	476.56		
SMDH 00074	117.0	113.35	0.14	27.44	92.57	201.69	25.06	82.04	16.33	1.23	11.24	1.15	5.10	0.99	3.35	0.27	2.38	0.25	44.31	1.35	9.32	412.94	505.34		
SMDH 00074	106.9	102.13	0.13	25.27	85.23	182.68	21.93	73.96	15.87	1.45	9.76	1.15	5.10	0.99	3.13	0.27	2.17	0.25	40.91	1.25	9.43	425.50	538.79		1.55
SMDH 00074	108.8	92.07	0.15	35.30	76.38	159.89	19.88	64.71	15.06	1.34	9.87	1.38	6.10	1.21	4.32	0.64	3.61	0.50	34.00	1.25	10.38	478.32	629.29	0.79	
SMDH 00074	103.4	89.41	0.13	31.80	76.27	162.70	19.15	63.56	13.34	1.34	9.19	1.15	5.55	0.99	3.89	0.53	2.99	0.25	33.09	1.25	10.50	452.92	645.93		
SMDH 00074	68.9	48.77	0.21	28.53	46.81	89.70	10.12	33.51	7.01	1.68	5.33	0.92	4.22	0.99	3.78	0.53	3.51	0.50	14.39	1.04	15.09	652.98	877.19		1.68
SMDH 00074	84.9	82.04	0.13	18.98	69.28	149.78	17.71	60.09	11.96	1.56	7.26	0.80	3.44	0.66	2.38	0.27	1.96	0.25	34.79	1.04	10.97	508.98	791.38		
SMDH 00074	113.6	114.10	0.13	23.33	97.22	206.08	25.54	83.20	15.75	1.68	9.42	1.03	4.33	0.88	3.13	0.27	2.48	0.25	42.73	1.04	10.50	488.31	882.04	0.75	
SMDH 00074	112.6	109.15	0.13	26.35	92.57	196.45	24.09	78.58	15.29	1.23	9.42	1.15	5.33	0.99	3.24	0.27	2.48	0.25	40.91	1.15	9.32	431.04	1120.41		1.62
SMDH 00074	118.7	112.86	0.16	28.53	95.48	203.77	24.46	82.04	15.06	1.79	8.97	1.15	5.22	0.99	3.35	0.27	2.89	0.25	44.54	1.25	11.32	499.39	827.09		
SMDH 00074	114.4	104.40	0.12	29.98	93.85	191.58	21.93	75.11	15.52	1.90	8.85	1.26	6.10	1.10	3.24	0.27	2.79	0.25	49.07	1.35	8.37	391.60	555.78		
SMDH 00074	122.3	104.94	0.13	37.84	97.57	197.06	22.29	73.96	15.29	1.79	9.53	1.38	7.32	1.31	3.78	0.53	3.61	0.50	47.37	1.77	8.61	415.78	578.15	0.38	1.75
SMDH 00074	112.9	105.67	0.10	27.44	95.71	198.65	21.93	76.27	15.87	1.68	9.53	1.26	6.21	1.10	2.92	0.27	2.48	0.25	49.98	1.35	7.19	362.01	529.43		
SMDH 00074	113.2	112.45	0.11	22.61	104.09	211.20	23.49	82.04	15.18	1.68	9.19	1.15	5.77	0.88	2.16	0.27	2.17	0.25	49.30	1.35	7.67	379.84	450.21		
SMDH 00074	98.8	95.97	0.09	21.76	89.66	179.03	20.72	69.33	12.76	1.79	7.60	0.92	4.99	0.77	2.16	0.27	2.07	0.25	41.25	1.04	7.19	365.39	511.06		1.75
SMDH 00074	90.5	87.21	0.08	19.83	80.46	161.11	18.19	63.56	10.69	1.68	7.26	0.80	4.66	0.77	2.16	0.27	1.65	0.25	37.85	1.04	6.37	335.13	715.97	0.82	
SMDH 00074	95.2	91.89	0.11	20.67	86.16	170.86	19.40	67.02	11.61	2.01	7.38	0.92	4.55	0.88	2.16	0.27	1.86	0.25	39.89	1.04	8.14	359.58	638.99		
SMDH 00074	95.2	91.89	0.11	20.67	86.16	170.86	19.40	67.02	11.61	2.01	7.38	0.92	4.55	0.88	2.16	0.27	1.86	0.25	39.89	1.04	8.14	359.58	638.99		
SMDH 00075	115.1	106.57	0.08	27.81	100.37	194.02	20.48	79.73	11.04	1.23	8.62	1.03	5.33	0.88	2.70	0.27	2.27	0.25	37.85	1.67	16.39	730.65	542.61		1.54
SMDH 00075	131.6	108.23	0.13	42.19	100.37	188.78	20.36	79.73	11.50	1.56	8.28	1.15	6.99	1.42	4.11	0.64	3.61	0.25	38.42	1.35	12.26	564.77	559.08	3.18	
SMDH 00075	122.6	102.92	0.13	38.20	98.16	194.75	20.12	75.11	10.12	1.56	7.94	1.03	6.66	1.31	3.89	0.53	3.41	0.25	35.47	1.15	10.50	471.70	662.40		
SMDH 00075	149.8	134.48	0.14	39.53	125.98	261.65	26.02	100.53	14.60	1.79	9.87	1.26	6.66	1.42	4.43	0.64	4.03	0.50	47.94	1.35	13.92	612.45	777.51		1.28
SMDH 00075	116.5	97.68	0.13	35.91	89.77	186.46	18.67	71.64	11.38	1.56	7.94	1.15	6.21	1.21	3.67	0.53	2.99	0.25	35.47	2.19	11.09	500.74	610.74		
SMDH 00075	133.3	126.18	0.12	31.19	116.32	262.26	26.26	92.44	13.80	2.23	9.87	1.26	6.21	1.21	3.24	0.27	3.20	0.25	45.56	1.35	13.21	617.86	671.76	0.65	
SMDH 00075	151.4	153.75	0.11	25.99	144.73	307.48	30.12	116.71	16.10	1.79	11.12	1.26	5.66	0.99	2.38	0.27	2.07	0.25	56.33	1.56	15.57	719.98	815.13		1.54
SMDH 00075	156.2	152.39	0.13	30.95	139.49	294.44	28.91	115.56	16.56	1.79	10.78	1.38	6.55	1.21	3.13	0.27	2.48	0.25	59.16	1.56	13.44	626.50	822.23		
SMDH 00075	121.0	115.78	0.12	26.11	110.38	234.23	22.53	86.67	12.65	1.68	8.62	1.03	5.55	0.88	2.49	0.27	1.76	0.25	43.63	1.67	11.91	535.46	763.46		
SMDH 00075	130.3	118.37	0.13	35.18	105.49	215.59	25.06	85.51	14.14	1.79	8.74	1.15	6.66	1.21	3.89	0.27	2.79	0.25	37.63	1.67	8.02	368.90	585.43	0.92	
SMDH 00075	104.6	93.39	0.10	29.50	86.74	179.64	20.24	67.02	10.81	1.90	7.38	0.92	5.22	0.99	3.24	0.27	2.79	0.25	27.54	1.15	8.25	388.63	531.86		
SMDH 00075	165.1	149.54	0.12	45.46	129.59	275.30	31.44	108.62	16.90	1.56	11.24	1.38	8.10	1.64	5.40	0.64	4.54	0.70	50.32	2.19	10.14	460.62	607.79		1.54
SMDH 00075	139.5	136.28	0.10	30.95	124.12	261.41	29.27	100.53	15.87	1.56	9.65	1.03	5.44	1.10	3.46	0.27	3.10	0.25	47.83	1.77	8.25	402.81	514.00	0.53	
SMDH 00075	100.1	110.93	0.10	10.64	95.48	204.86	22.89	84.36	13.57	1.45	7.83	0.69	3.00	0.27	1.08	0.27	0.83	0.25	42.73	1.35	12.50	434.69	852.92		
SMDH 00075	129.0	119.92	0.15	33.13	104.79	224.97	25.30	87.82	13.57	1.23	8.28	0.92	5.88	1.10	4.43	0.53	3.92	0.50	44.09	1.35	12.50	464.68	556.65		1.56
SMDH 00075	40.1	39.05	0.09	7.74	40.29	77.63	8.43	28.89	4.02	1.79	2.38	0.29	1.44	0.27	1.08	0.27	0.93	0.25	14.39	0.83	16.63	645.55	855.00		
SMDH 00075	139.4	141.61	0.14	26.23	128.89	265.19	29.88	105.16	15.64	1.45	8.97	1.03	5.55	1.10	3.57	0.27	2.89	0.25	47.83	1.46	12.15	468.59	724.81	0.66	
SMDH 00075	122.0	118.63	0.16	25.75	102.58	214.86	23.85	88.98	15.06	1.45	8.40	0.92	4.88	0.88	3.24	0.27	3.20	0.25	42.50	1.56	13.68	528.57	690.83		1.60
SMDH 00075	130.8	123.02	0.13	30.83	109.33	226.43	24.82	91.29	13.80	1.79	8.51	1.03	5.88	1.10	4.43	0.53	4.13	0.50	48.39	1.04	14.03	530.59	728.79		
SMDH 00075	130.8	123.02	0.13	30.83	109.33	226.43	24.82	91.29	13.80	1.79	8.51	1.03	5.88	1.10	4.43	0.53	4.13	0.50	48.39	1.04	14.03	530.59	728.79		
SMDH 00076	82.6	76.79	0.06	21.88	68.58	153.56	16.87	55.47	10.23	0.78	6.01	0.69	3.77	0.77	3.03	0.27	2.17	0.25	28.22	1.35	14.39	564.90	383.29	2.13	
SMDH 00076	128.7	124.98	0.09	29.86	114.46	245.57	27.11	91.29	17.13	1.01	10.21	1.26	5.33	1.10	3.57	0.27	2.68	0.25	49.75	2.19	27.12	1116.57	515.74		1.45
SMDH 00076	57.0	48.84	0.19	17.17	45.18	88.72	10.60	34.67	5.40	1.56	4.09	0.57	3.00	0.27	2.16	0.27	1.86	0.25	14.85	1.15	20.40	962.45	826.91		
SMDH 00076	53.9	40.14	0.18	20.07	32.95	68.25	7.83	27.73	5.98	1.56	4.77	0.80	3.77	0.66	2.05	0.27	1.45	0.25	11.22	1.46	16.39	660.68	706.26		
SMDH 00076	64.6	47.28	0.27	24.42	32.37	74.95	8.79	32.36	8.05	1.68	7.15	0.92	5.22	0.77	2.16	0.27	1.45	0.25	9.41	1.04	8.14	349.32	1219.57	1.10	1.63
SMDH 00076	26.3	20.37	0.29	8.83	16.77	34.85	4.22	13.87	3.45	1.34	2.72	0.29	2.00	0.27	0.86	0.27	0.72	0.25	2.38	0.52	4.95	199.38	884.99		
SMDH 00076	29.6	22.32	0.33	10.03	19.21	39.36	4.46	15.02	4.02	1.68	3.06	0.29	2.55	0.27	1.08	0.27	1.03	0.25	1.81	0.26	7.67	379.84	1152.13		
SMDH 00076	29.6	22.32	0.33	10.03	19.21	39.36	4.46	15.02	4.02	1.68	3.06	0.29	2.55	0.27	1.08	0.27	1.03	0.25	1.81	0.26	7.67	379.84	1152.13		
SMDH 00077	37.5	37.29	0.07	6.65	31.90	76.05	7.83	27.73	4.48	1.34	2.38	0.29	1.44	0.27	0.65	0.27	0.62	0.25	10.99	0.52	10.02	400.38	533.07		
SMDH 00077	137.8	130.43	0.14	34.94	116.09	262.63	28.91	93.60	16.44	1.34	10.89	1.15	6.77	1.21	4.11	0.27	3.20	0.25	45.11	2.19	12.62	609.62	718.91		
SMDH 00077	152.2	136.97	0.17	42.80	112.13	273.60	29.27	98.22	16.56	1.68	12.03	1.38	8.10	1.42	4.97	0.53	4.13	0.50	47.37	2.40	15.33	582.87	909.78		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00077	141.1	141.64	0.13	28.65	120.51	297.85	30.72	104.00	16.79	1.56	11.69	1.15	5.77	0.99	3.24	0.27	2.58	0.25	49.30	1.98	13.21	494.53	716.49	3.33	1.45
SMDH 00077	123.3	132.18	0.09	19.34	119.35	292.00	29.76	97.07	16.33	1.56	10.44	1.03	4.33	0.66	1.94	0.27	1.14	0.25	48.17	1.46	9.67	361.88	562.72		
SMDH 00077	103.1	94.34	0.12	27.68	81.16	199.38	20.36	68.18	12.65	1.45	8.17	0.92	4.88	0.99	3.46	0.27	2.68	0.25	31.73	1.56	12.74	514.25	795.71		
SMDH 00077	129.3	115.68	0.13	36.39	93.50	233.87	24.33	83.20	14.95	1.56	10.55	1.26	6.88	1.21	4.21	0.53	3.30	0.25	39.21	2.19	7.78	294.34	691.70		1.62
SMDH 00077	161.2	147.43	0.16	43.04	120.86	289.93	31.08	106.31	18.05	1.79	12.94	1.49	8.54	1.53	5.19	0.64	3.72	0.50	48.28	2.71	15.68	582.60	882.56	0.96	
SMDH 00077	75.2	70.50	0.10	18.38	64.39	154.65	15.42	50.84	8.62	1.79	5.56	0.57	3.66	0.66	2.16	0.27	1.76	0.25	25.73	1.25	11.44	453.60	751.16		
SMDH 00077	53.4	49.28	0.07	12.69	53.56	97.98	10.84	35.82	5.17	2.23	3.18	0.29	2.33	0.27	1.51	0.27	1.45	0.25	12.58	0.62	5.07	204.92	371.68		1.71
SMDH 00077	74.1	81.55	0.09	9.31	80.92	168.06	18.55	60.09	10.35	1.79	5.33	0.57	2.33	0.27	0.97	0.27	0.62	0.25	28.90	1.04	11.32	444.01	710.76		
SMDH 00078	262.4	255.03	0.08	61.29	231.59	476.63	55.30	184.89	31.39	1.34	22.24	2.52	12.32	2.30	6.59	0.85	5.37	0.70	99.62	4.48	25.59	1140.75	444.66	0.87	
SMDH 00078	130.1	129.16	0.11	27.08	116.09	246.05	27.71	94.76	16.21	1.56	10.21	1.15	5.55	0.99	2.92	0.27	2.27	0.25	48.62	1.77	9.79	422.67	643.68		
SMDH 00078	146.0	136.91	0.12	36.63	124.82	260.07	29.39	99.38	16.56	1.90	11.01	1.15	6.99	1.10	4.11	0.27	2.79	0.25	50.32	1.98	11.32	493.45	636.57		1.47
SMDH 00078	127.9	118.03	0.13	33.49	104.09	220.83	24.94	85.51	14.14	1.34	9.76	1.15	6.44	1.21	3.67	0.27	3.10	0.25	40.23	1.46	10.73	467.78	760.69		
SMDH 00078	111.2	100.14	0.12	31.31	90.94	193.77	21.68	71.64	12.30	1.45	8.51	1.15	5.66	1.10	3.67	0.27	2.58	0.50	37.85	1.35	10.73	434.96	690.48	0.48	
SMDH 00078	148.0	142.50	0.13	34.09	124.70	258.73	30.36	104.00	17.25	1.79	12.03	1.26	6.88	1.31	2.70	0.27	2.68	0.50	52.47	1.67	12.50	541.81	834.37		1.55
SMDH 00078	198.5	193.42	0.12	43.88	168.02	353.42	40.84	140.98	25.29	2.01	16.23	1.95	9.65	1.64	3.89	0.27	2.99	0.50	74.35	4.06	10.73	459.41	786.35		
SMDH 00078	121.9	110.91	0.13	32.76	96.99	207.18	23.37	79.73	14.72	1.56	9.76	1.15	6.66	1.21	2.70	0.27	2.58	0.25	39.44	2.08	10.85	491.56	799.35		
SMDH 00078	136.5	129.09	0.15	33.61	112.59	235.21	27.95	92.44	17.25	1.79	11.58	1.38	7.32	1.21	3.57	0.27	2.79	0.25	47.03	2.29	11.09	471.02	723.94	0.31	1.53
SMDH 00079	108.1	102.38	0.04	27.08	89.77	186.22	22.29	73.96	12.88	0.89	8.62	1.03	5.10	1.10	2.49	0.27	2.07	0.25	35.81	2.08	8.73	378.76	227.62		1.51
SMDH 00079	98.1	85.12	0.09	30.10	74.87	156.85	18.67	60.09	10.92	1.56	7.26	0.92	5.44	1.21	3.03	0.27	2.58	0.25	29.01	1.46	8.84	342.29	491.99		
SMDH 00079	256.6	248.19	0.09	61.90	215.52	463.10	55.18	177.96	29.89	1.68	20.65	2.52	12.54	2.63	5.94	0.85	4.96	0.70	91.57	4.58	23.00	871.81	416.06	1.54	
SMDH 00079	142.2	117.43	0.16	48.72	104.09	220.58	25.42	83.20	14.60	1.45	9.19	1.38	7.44	1.86	5.83	0.85	5.27	0.80	39.67	2.08	13.21	474.54	886.38		1.42
SMDH 00079	122.8	106.52	0.13	37.96	95.01	199.01	23.01	76.27	12.07	1.34	8.28	1.03	6.21	1.42	4.11	0.74	3.82	0.50	34.68	1.67	12.85	460.89	782.36		
SMDH 00079	115.9	96.21	0.10	38.08	84.42	175.13	20.12	68.18	12.19	1.68	8.85	1.15	6.77	1.31	3.57	0.53	3.51	0.50	31.62	1.87	8.61	407.00	704.52	0.42	1.62
SMDH 00079	118.8	92.50	0.11	44.73	84.53	178.42	19.76	64.71	11.84	1.34	8.40	1.26	6.77	1.31	4.75	0.64	3.61	0.60	31.73	2.19	9.20	397.27	730.18		
SMDH 00079	137.7	102.32	0.13	54.89	90.94	185.61	21.20	71.64	12.53	1.68	9.08	1.38	8.10	1.75	6.48	0.85	5.37	0.80	32.87	1.98	10.02	434.01	744.22		
SMDH 00079	140.9	117.25	0.13	46.54	102.35	217.78	24.58	83.20	14.49	1.68	9.65	1.38	8.10	1.64	4.32	0.64	4.23	0.80	40.46	2.71	11.20	499.26	875.28		1.59
SMDH 00080	109.9	97.98	0.10	30.83	85.70	183.17	20.36	70.49	12.30	1.45	8.97	1.03	6.10	1.10	2.49	0.27	2.58	0.25	34.79	2.19	10.73	457.11	627.38	1.39	1.40
SMDH 00080																									
SMDH 00080	130.3	110.72	0.15	42.43	98.62	213.15	23.85	79.73	12.76	1.01	8.28	1.03	6.10	1.53	4.11	0.85	5.68	0.80	41.59	1.25	7.90	320.00	512.10		
SMDH 00080	74.3	78.10	0.08	11.97	70.09	151.12	16.87	57.78	9.66	1.12	5.79	0.57	2.89	0.27	2.05	0.27	1.14	0.25	29.01	1.15	8.61	336.89	661.36		
SMDH 00080	67.3	75.56	0.09	7.74	75.92	152.95	17.59	55.47	7.59	1.56	5.56	0.29	2.22	0.27	0.76	0.27	0.26	0.25	28.33	0.94	9.67	355.67	710.76		1.51
SMDH 00080	38.1	37.10	0.09	8.22	37.26	77.87	8.79	26.58	4.37	1.56	2.50	0.29	1.44	0.27	0.76	0.27	0.83	0.25	13.15	0.73	9.32	349.45	641.42	0.51	
SMDH 00080	18.3	14.60	0.07	4.47	16.53	33.64	3.13	10.40	1.72	2.35	1.25	0.29	0.78	0.27	0.27	0.27	0.26	0.25	3.74	0.26	7.08	259.49	448.65		
SMDH 00081	102.7	106.01	0.07	18.50	96.76	198.65	23.01	77.42	13.11	1.23	9.08	0.92	4.66	0.66	1.62	0.27	1.03	0.25	39.55	1.46	6.37	283.26	383.64		
SMDH 00081	93.6	104.02	0.06	11.12	95.36	197.06	23.13	77.42	12.65	1.56	8.40	0.69	2.77	0.27	0.76	0.27	0.26	0.25	38.65	1.35	6.72	270.43	490.95		1.56
SMDH 00081	136.2	147.47	0.08	18.50	129.83	266.16	31.44	109.78	17.82	1.68	11.58	1.15	5.10	0.77	1.40	0.27	0.83	0.25	53.15	1.67	7.43	302.98	650.78	0.68	
SMDH 00081	114.3	98.77	0.12	34.45	90.24	179.88	20.48	70.49	11.73	1.56	9.08	1.03	6.77	1.21	2.81	0.27	2.68	0.25	33.66	1.98	9.67	391.60	780.63		
SMDH 00081	77.1	75.48	0.07	15.84	65.20	140.88	15.66	55.47	9.43	1.45	6.01	0.69	3.66	0.55	1.19	0.27	1.14	0.25	26.97	1.46	7.55	296.91	525.27		1.56
SMDH 00081	82.7	77.82	0.09	20.31	67.65	146.73	16.62	56.62	10.35	1.23	6.58	0.69	3.88	0.77	1.62	0.27	1.76	0.25	27.65	1.25	8.61	348.24	598.95		
SMDH 00081	132.2	119.90	0.12	35.66	104.33	219.00	24.94	87.82	15.18	1.56	10.21	1.15	5.99	1.21	3.03	0.53	3.82	0.50	42.61	1.67	10.73	425.37	663.26	0.53	
SMDH 00081	112.2	104.66	0.12	27.56	88.26	191.09	21.32	77.42	12.99	1.34	8.85	0.92	4.99	0.99	2.49	0.27	2.58	0.25	36.95	1.46	8.61	362.42	736.94		1.36
SMDH 00081	81.2	71.39	0.09	23.57	64.39	135.76	14.82	52.00	8.74	1.01	6.36	0.69	3.88	0.88	2.16	0.27	2.07	0.25	24.82	1.35	7.90	324.06	636.74		
SMDH 00081	88.8	78.21	0.09	25.75	66.60	146.49	16.38	55.47	10.23	1.23	8.06	1.03	5.33	0.99	2.16	0.27	1.86	0.25	26.97	1.77	7.55	319.33	561.16		
SMDH 00082	134.9	118.88	0.10	38.32	108.63	227.41	23.85	86.67	17.25	1.56	10.21	1.26	7.10	1.31	3.13	0.27	3.20	0.25	47.03	2.92	12.15	472.10	721.51		
SMDH 00082	120.8	102.71	0.12	37.11	87.09	179.27	20.72	73.96	13.57	1.68	9.31	1.26	6.77	1.21	3.24	0.27	2.99	0.25	31.96	2.60	7.19	298.39	694.64		1.44
SMDH 00082	138.0	118.76	0.13	40.62	109.80	185.97	24.21	85.51	13.68	2.79	9.31	1.38	7.66	1.42	3.46	0.53	2.79	0.25	22.10	2.19	5.90	240.58	607.96	0.71	
SMDH 00082	129.1	94.55	0.13	51.86	81.74	169.76	18.91	64.71	12.19	1.56	9.76	1.49	9.43	1.86	4.65	0.74	4.23	0.60	29.58	3.02	6.49	273.94	701.58		
SMDH 00082	98.6	67.05	0.12	43.76	60.55	117.97	13.73	45.07	9.08	1.56	7.04	1.03	7.21	1.42	3.89	0.64	4.03	0.25	18.70	1.87	16.51	765.63	550.93		1.55
SMDH 00082	131.7	80.02	0.14	65.16	60.55	126.62	14.94	53.16	10.00	1.45	8.85	1.49	10.43	2.08	5.62	0.96	5.78	0.80	22.44	2.81	6.01	248.82	661.01		
SMDH 00082	129.1	77.13	0.12	65.40	63.57	129.30	15.30	49.69	9.89	1.90	8.85	1.49	10.65	2.30	5.73	0.96	5.27	0.50	21.08	2.60	6.84	293.39	558.56	0.47	
SMDH 00082	161.1	121.38	0.14	62.14	106.42	212.66	24.21	84.36	15.29	1.79	12.94	1.61	11.21	2.19	5.08	0.74	4.03	0.60	40.91	2.50	9.32	385.79	712.84		1.58
SMDH 00082	97.7	71.70	0.10	38.44	59.62	121.50	14.09	49.69	9.31	1.68	7.94	1.03	6.88	1.42	3.67	0.27	2.99	0.50	21.65	1.15	6.13	245.85	517.30		
SMDH 00082	105.9	79.14	0.13	41.10	65.90	134.06	16.02	54.31	10.46	1.68	8.62	1.15	7.66	1.42	3.78	0.53	2.89	0.25	21.99	1.25	9.67	367.42	682.85		
SMDH 00082	117.8	97.10	0.15	39.53	84.88	174.76	20.60	67.02	11.27	1.79	9.65	1.38	8.10	1.53	3.46	0.53	2.99	0.50	30.15	1.67	10.73	446.57	694.12	0.89	1.63
SMDH 00082	98.4	76.74	0.14	35.78	65.55	135.15	15.78	53.16	9.89	1.68	7.94	1.15	6.66	1.31	3.24	0.27	2.38	0.25	22.67	1.56	8.37	346.35	743.01		
SMDH 00083	51.1	40.40	0.09	17.05	34.70	68.73	7.23	30.04	4.71	0.89	3.29	0.57	2.55	0.55	1.73	0.27	1.65	0.25	12.24	0.94	7.19	310.95	532.03		
SMDH 00083	64.5	58.02	0.08	17.77	52.51	106.51	12.29	41.60	7.24	1.01	5.33	0.69	3.44	0.66	1.51	0.27	1.65	0.25	19.15	1.77	7.31	313.79	527.35		1.39
SMDH 00083	92.0	86.11	0.10	20.79	77.08	151.73	16.26	64.71	11.61	1.34	8.06	1.03	4.11	0.77	1.73	0.27	1.65	0.25	28.22	2.19	8.96	359.31	633.62	2.23	
SMDH 00083	76.3	78.73	0.08	11.36	73.94	142.47	15.18	60.09	8.97	1.34	6.24	0.69	2.77	0.27	0.97	0.27	0.83	0.25	28.45	1.46	8.02	307.71	493.37		
SMDH 00083	70.8	71.47	0.08	11.36	62.99	122.24	13.25	54.31	8.28	1.23	6.01	0.80	3.11	0.27	0.97	0.27	0.72	0.25	23.46	1.67	10.14	364.18	635.18		1.41
SMDH 00083	81.6	84.07	0.08	14.75	84.30	155.51	19.03	61.24	10.46	1.79	6.58	0.69	3.11	0.27	0.97	0.27	0.93	0.25	25.50	1.77	7.31	314.20	568.78		
SMDH 00083	72.7	75.77	0.07	11.97	64.85	137.23	16.50	55.47	10.35	1.45	6.70	0.69	3.11	0.27	0.86	0.27	0.83	0.25	27.65	1.77	5.31	253.68	514.87	0.45	
SMDH 00083	58.1	59.83	0.05	8.83	50.77	103.71	11.93	45.07	7.47	1.34	4.99	0.29	2.55	0.27	0.65	0.27	0.62	0.25	19.95	1.56	5.66	251.79	461.13		1.52
SMDH 00084	105.4	89.39	0.06	33.97	76.38	158.55	19.03	63.56	11.04	1.12	7.72	1.03	5.77	1.31	2.92	0.53	3.20	0.25	31.17	2.08	11.67	583.41	493.55		1.41
SMDH 00084	45.8	41.58	0.05	12.45	36.56	79.22	8.91	30.04	5.29	0.67	3.40	0.29	2.33	0.27	1.08	0.27	1.14	0.25	14.62	1.04	3.77	189.65	261.94		
SMDH 00084	65.0	56.71	0.08	19.34	48.55	101.15	11.81	40.44	7.01	0.78	4.77	0.57	3.88	0.66	1.73	0.27	1.65	0.25	18.93	1.46	5.31	252.33	442.93	2.74	
SMDH 00084	96.7	89.40	0.08	24.54	73.01	150.63	18.55	64.71	11.84	1.34	7.60	0.92	5.22	0.88	2.27	0.27	2.17	0.25	30.60	2.40	12.15	551.94	393.87		1.57
SMDH 00084	79.1	68.00	0.10	24.06	59.03	121.75	14.34	48.53	8.39	1.34	6.58	0.80	4.33	0.88	2.16	0.27	2.07	0.25	23.23	1.77	8.02	399.84	779.24		
SMDH 00084	229.2	218.64	0.13	54.28	186.88	382.79	45.78	159.47	28.97	2.01	18.04	2.30	11.10	1.97	4.21	0.64	3.82	0.60	80.13	4.89	20.99	1010.40	674.36		
SMDH 00084	213.7	226.97	0.07	33.97	190.02	412.04	49.03	167.56	28.51	1.79	18.16	1.84	8.54	1.31	2.81	0.27	2.07	0.25	89.19	3.75	6.60	325.68	392.13	1.38	1.37
SMDH 00084	45.2	45.43	0.05	8.22	39.24	79.82	9.64	33.51	4.94	1.23	3.86	0.29	2.00	0.27	0.54	0.27	0.62	0.25	18.81	0.94	4.48	206.40	385.37		
SMDH 00084	65.5	69.92	0.05	8.95	66.72	136.98	15.30	52.00	8.85	1.90	4.88	0.29	2.33	0.27	0.97	0.27	0.62	0.25	25.73	0.83	4.36	196.14	322.44		
SMDH 00084	45.2	48.38	0.05	6.17	45.06	91.89	10.72	35.82	5.98	1.34	3.52	0.29	1.55	0.27	0.54	0.27	0.62	0.25	19.04	0.62	2.95	122.25	403.06		1.48
SMDH 00084	40.8	41.62	0.05	6.17	40.29	80.56	8.91	31.20	5.06	1.90	2.84	0.29	1.22	0.27	0.27	0.27	0.26	0.25	14.39	0.52	5.90	250.84	288.99	1.19	
SMDH 00085	84.6	67.50	0.12	29.98	57.17	124.43	14.22	47.38	8.51	1.34	5.56	0.80	5.10	0.99	2.70	0.27	2.99	0.50	21.08	1.67	9.08	386.73	608.48	0.16	
SMDH 00085	90.9	67.22	0.16	35.91	55.19	127.84	13.97	46.22	8.74	1.79	6.01	0.92	6.10	1.21	3.24	0.53	3.51	0.50	20.74	1.98	7.43	303.52	896.26		1.17

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00085	85.3	63.51	0.18	33.00	52.28	117.85	13.13	43.91	8.51	1.90	5.56	0.92	5.55	1.10	3.03	0.27	3.10	0.50	19.72	1.67	5.78	227.61	905.27		
SMDH 00085	115.8	106.78	0.08	31.19	90.59	210.10	23.37	76.27	14.83	1.23	8.97	1.15	5.99	1.10	2.81	0.27	2.79	0.25	40.01	2.71	14.62	625.56	299.91		
SMDH 00085	106.3	97.01	0.09	29.01	83.02	186.58	21.20	69.33	13.45	1.45	7.94	1.03	5.44	0.99	2.49	0.27	2.38	0.25	35.36	2.19	10.97	450.90	367.69	0.77	1.28
SMDH 00085	150.3	148.81	0.08	32.64	125.87	292.12	32.53	107.47	19.43	1.34	12.26	1.49	7.32	1.21	2.81	0.27	2.48	0.25	55.31	3.12	9.08	402.40	347.58		
SMDH 00085	457.0	473.49	0.09	86.20	398.44	916.58	105.17	343.20	65.31	2.46	38.70	4.59	20.53	3.07	6.81	0.85	5.06	0.70	184.74	9.68	15.21	632.58	347.58		
SMDH 00085	144.7	151.69	0.07	25.63	129.83	306.99	34.09	109.78	21.62	1.45	12.37	1.49	6.33	0.99	2.05	0.27	1.55	0.25	61.31	3.02	9.08	371.06	406.00		1.56
SMDH 00085	82.5	84.15	0.07	15.35	70.91	164.89	18.55	61.24	12.19	1.56	6.92	0.80	3.55	0.55	1.30	0.27	1.45	0.25	31.62	1.87	7.67	335.40	433.39	1.20	
SMDH 00085	116.8	119.07	0.11	21.88	103.63	225.34	25.78	87.82	14.72	1.68	8.28	0.92	4.55	0.77	1.84	0.27	2.27	0.25	42.95	1.56	8.61	370.25	571.39		
SMDH 00085	62.5	62.16	0.07	12.94	53.56	117.36	13.85	45.07	8.51	1.23	4.88	0.57	2.66	0.27	0.97	0.27	1.03	0.25	22.44	1.15	7.19	304.88	589.07		1.53
SMDH 00085	70.3	67.36	0.06	16.20	56.70	126.62	14.70	48.53	9.08	1.45	5.33	0.69	3.44	0.55	1.30	0.27	1.24	0.25	24.59	1.67	9.67	399.43	610.39		
SMDH 00085	77.7	76.32	0.13	16.20	64.62	143.20	16.38	55.47	10.35	1.56	6.36	0.80	3.66	0.55	1.19	0.27	1.03	0.25	27.65	1.56	9.08	391.46	737.29	0.47	
SMDH 00085	53.0	56.89	0.07	6.77	52.40	112.00	12.41	42.76	6.78	1.79	3.63	0.29	1.44	0.27	0.27	0.27	0.26	0.25	21.08	0.73	6.01	267.46	522.67		1.53
SMDH 00086	81.2	75.14	0.13	21.52	66.02	141.12	16.14	54.31	10.23	0.67	5.67	0.69	3.99	0.77	2.05	0.27	2.17	0.25	31.62	1.98	14.62	669.86	1279.72		0.98
SMDH 00086	102.0	95.37	0.18	25.99	84.18	185.49	20.24	69.33	12.53	0.89	7.15	0.92	4.88	0.99	2.49	0.27	2.58	0.25	40.69	2.29	12.15	516.14	1122.49		
SMDH 00086	86.7	78.64	0.14	24.30	74.64	132.72	17.23	56.62	9.20	1.01	5.11	0.69	4.11	0.88	2.38	0.27	2.27	0.25	26.52	1.04	7.67	337.70	675.05	1.84	
SMDH 00086																									
SMDH 00086	85.6	73.75	0.12	26.84	65.20	138.57	16.02	53.16	7.93	1.01	5.56	0.69	3.88	0.88	3.35	0.27	2.89	0.25	24.82	1.35	6.72	295.01	611.26		
SMDH 00086	100.6	82.06	0.13	34.45	69.05	143.32	17.11	58.93	10.46	1.23	6.47	0.92	5.10	1.21	4.11	0.27	3.61	0.50	25.61	1.46	7.43	331.08	607.10		1.68
SMDH 00086	77.9	62.06	0.13	27.81	51.46	113.46	13.13	43.91	7.47	1.12	5.22	0.69	4.33	0.99	3.13	0.27	2.79	0.25	19.49	1.04	7.43	305.01	491.12		
SMDH 00086	90.0	82.93	0.13	23.70	75.45	158.31	17.71	60.09	10.46	1.12	5.79	0.69	4.44	0.88	2.49	0.27	2.58	0.25	27.88	1.35	7.31	316.09	548.50		1.48
SMDH 00086	102.8	94.20	0.13	26.48	81.74	166.96	18.91	70.49	11.27	1.01	6.24	0.69	4.11	0.88	3.13	0.27	2.89	0.25	30.03	1.67	7.78	356.88	769.36		
SMDH 00086	99.8	88.03	0.13	29.26	76.27	160.99	18.79	63.56	11.04	1.34	6.13	0.80	4.88	1.10	4.00	0.53	3.41	0.25	27.88	1.35	7.90	328.38	670.20	1.27	1.70
SMDH 00086	95.0	89.57	0.14	23.09	77.66	157.58	18.91	65.87	10.46	1.23	5.79	0.69	4.11	0.88	2.49	0.27	2.48	0.25	28.79	1.25	7.19	317.57	657.54		
SMDH 00086	81.8	78.90	0.10	18.74	73.12	144.78	17.11	57.78	9.89	1.23	5.22	0.57	3.44	0.66	1.84	0.27	1.96	0.25	24.59	1.04	9.20	406.73	477.95		
SMDH 00086	61.7	58.23	0.10	14.75	55.42	109.32	12.53	42.76	7.13	1.23	3.63	0.29	2.66	0.27	1.51	0.27	1.55	0.25	18.70	0.83	7.55	335.40	556.48	0.51	1.62
SMDH 00086	78.0	72.60	0.12	19.71	65.55	131.01	15.54	53.16	9.08	1.23	5.11	0.57	3.33	0.66	1.94	0.27	2.07	0.25	24.25	1.04	7.90	348.51	614.20		
SMDH 00086	104.8	86.93	0.18	34.45	75.33	154.04	17.95	62.40	11.61	1.34	6.92	0.92	5.66	1.21	3.35	0.64	3.51	0.60	27.54	1.67	11.32	476.83	675.92		
SMDH 00086	55.2	58.88	0.06	7.37	72.77	106.03	13.13	43.91	6.44	2.12	3.06	0.29	1.55	0.27	0.65	0.27	0.72	0.25	7.48	0.26	3.89	187.09	336.31		1.56
SMDH 00086	55.2	58.88	0.06	7.37	72.77	106.03	13.13	43.91	6.44	2.12	3.06	0.29	1.55	0.27	0.65	0.27	0.72	0.25	7.48	0.26	3.89	187.09	336.31		1.56
SMDH 00087	165.1	170.60	0.07	29.50	141.70	298.21	35.78	127.11	23.68	0.78	13.96	1.49	6.21	1.10	3.13	0.27	2.38	0.25	70.27	3.44	31.72	1378.36	432.01		
SMDH 00087	93.3	85.79	0.08	23.57	70.33	151.24	18.07	61.24	12.88	2.01	8.97	1.03	5.44	0.77	2.38	0.27	1.65	0.25	34.34	1.67	8.37	338.24	455.76		
SMDH 00087	158.7	154.51	0.09	36.03	132.27	272.38	33.49	112.09	21.73	1.68	13.85	1.72	7.21	1.10	3.57	0.27	2.68	0.25	60.07	3.02	21.70	936.37	649.57		1.72
SMDH 00087	150.1	146.69	0.11	33.25	120.74	269.21	31.56	106.31	21.62	1.68	13.96	1.61	7.21	1.21	3.13	0.27	2.58	0.25	66.41	2.60	10.50	449.28	790.34	1.39	
SMDH 00087	184.7	176.45	0.14	44.61	145.66	319.79	37.95	127.11	25.64	1.56	17.02	2.07	9.32	1.53	4.32	0.53	3.20	0.50	74.80	3.02	19.46	807.78	1025.93		
SMDH 00087	132.1	126.43	0.10	30.83	107.12	228.38	27.11	91.29	18.63	1.90	12.71	1.49	6.55	1.10	3.03	0.27	2.38	0.25	47.15	1.98	10.50	430.77	680.25		1.77
SMDH 00087	157.8	128.51	0.15	54.64	103.28	227.77	27.23	90.13	18.28	1.90	12.37	1.72	9.43	1.86	6.37	0.85	6.30	0.80	49.87	1.98	10.73	452.65	799.18		
SMDH 00087	165.9	148.19	0.14	46.42	117.13	261.29	30.72	106.31	20.58	2.01	14.41	1.95	9.21	1.64	4.86	0.64	4.23	0.60	60.75	2.50	11.56	483.99	882.91	0.80	
SMDH 00087	162.5	141.35	0.16	49.45	117.72	259.34	30.00	100.53	20.70	1.68	14.30	1.72	9.10	1.64	5.51	0.74	4.44	0.70	60.86	2.71	17.57	725.11	935.78		1.64
SMDH 00087	145.9	131.36	0.13	40.74	106.77	233.62	27.83	93.60	18.51	1.68	12.37	1.61	8.32	1.42	4.75	0.53	3.92	0.50	55.31	2.08	12.38	498.04	667.08		
SMDH 00087	141.3	134.82	0.10	34.21	120.74	255.80	29.27	97.07	18.51	1.56	13.16	1.38	7.10	1.21	4.11	0.27	3.20	0.50	56.10	2.40	11.91	511.82	805.59		
SMDH 00087	180.4	166.30	0.15	47.87	138.44	293.83	35.30	120.18	24.03	1.56	14.98	1.72	9.10	1.64	5.73	0.74	4.44	0.70	70.95	2.60	15.68	588.00	940.64		
SMDH 00087	205.3	174.89	0.18	65.04	141.70	306.01	36.26	124.80	23.91	1.68	16.34	2.07	11.76	2.19	7.67	1.06	6.71	1.01	74.80	2.19	11.44	489.67	699.84		
SMDH 00087	120.1	114.93	0.10	28.17	101.42	210.83	24.70	83.20	16.44	1.68	10.10	1.15	5.88	0.99	3.46	0.27	2.68	0.25	48.85	1.56	10.85	464.00	733.47		1.64
SMDH 00087	149.1	138.59	0.12	38.57	118.07	250.08	29.39	99.38	20.01	1.34	12.48	1.49	8.32	1.53	4.75	0.64	4.13	0.60	57.46	2.40	12.97	536.00	618.71	0.80	
SMDH 00087	151.0	143.45	0.10	37.11	128.66	271.89	31.08	104.00	20.58	1.56	12.03	1.38	6.99	1.31	4.43	0.64	3.61	0.60	64.71	1.77	9.91	431.58	553.53		
SMDH 00088	153.8	153.20	0.05	32.40	127.73	278.11	32.41	112.09	22.53	0.56	12.82	1.49	7.21	1.10	3.89	0.27	2.79	0.50	66.98	3.44	25.83	1145.61	247.03		1.67
SMDH 00088	98.2	89.29	0.13	26.23	75.33	184.02	18.55	64.71	13.22	1.23	7.38	0.92	5.10	0.99	2.38	0.27	2.27	0.25	36.61	1.98	12.26	514.92	667.60	0.59	
SMDH 00088	136.0	109.51	0.12	46.42	92.45	169.52	22.17	77.42	15.52	2.23	10.21	1.49	8.43	1.53	3.78	0.53	3.30	0.50	30.37	1.77	6.37	271.51	563.41		
SMDH 00088	80.7	68.32	0.08	25.15	57.98	123.21	14.09	48.53	10.35	1.34	6.24	0.92	4.77	0.88	2.05	0.27	1.86	0.25	25.50	1.67	6.49	266.65	376.71		1.64
SMDH 00088	157.3	135.21	0.15	47.87	116.09	248.25	27.11	97.07	19.32	1.34	12.26	1.61	9.43	1.42	4.97	0.27	3.20	0.25	52.25	2.50	11.09	461.30	951.56		
SMDH 00088	158.5	151.73	0.14	36.63	126.68	273.60	31.20	110.93	22.42	1.34	13.16	1.61	7.99	1.31	3.03	0.27	2.27	0.25	65.39	2.92	16.98	718.49	894.52		
SMDH 00088	139.7	139.23	0.13	28.41	116.90	249.22	29.39	101.69	19.89	1.45	11.58	1.38	6.77	1.10	2.16	0.27	1.55	0.25	57.91	2.29	9.79	429.55	835.75		1.56
SMDH 00088	99.5	90.89	0.09	25.51	76.61	163.67	18.55	65.87	12.99	1.68	7.94	1.03	5.44	0.88	1.94	0.27	1.76	0.25	36.61	1.67	6.84	282.32	552.14		
SMDH 00088	92.5	84.27	0.07	23.70	70.91	149.90	17.23	61.24	11.96	1.79	7.26	0.92	4.88	0.77	1.84	0.27	1.55	0.25	33.66	1.35	5.31	229.64	389.01		
SMDH 00088	205.1	191.48	0.13	51.14	162.89	346.48	39.27	139.82	27.71	1.79	16.57	2.07	10.32	1.64	4.11	0.64	3.72	0.60	81.49	3.54	15.33	633.12	747.52	0.27	1.43
SMDH 00088	164.5	145.16	0.14	47.15	124.35	262.75	29.64	105.16	20.35	1.79	12.26	1.61	8.77	1.64	4.11	0.64	3.82	0.60	59.05	2.08	10.61	446.71	696.55		
SMDH 00088	94.9	85.79	0.09	25.51	74.17	157.94	17.59	62.40	11.96	1.23	7.26	0.92	4.88	0.88	2.16	0.27	1.76	0.25	34.68	1.56	11.44	480.21	541.91		
SMDH 00088	111.0	75.85	0.14	49.08	67.88	142.10	14.94	52.00	9.77	1.01	7.04	1.15	7.77	1.53	4.21	0.74	4.34	0.70	31.73	1.87	16.75	712.68	586.12		1.52
SMDH 00088	86.5	39.94	0.20	52.23	31.32	63.86	6.99	24.27	4.94	1.34	4.54	0.92	7.77	1.53	4.54	0.85	5.16	0.80	12.92	1.25	14.86	569.63	1052.10	0.77	
SMDH 00088	64.9	46.04	0.15	26.48	39.12	79.82	9.16	31.20	5.63	1.56	4.43	0.69	4.99	0.88	3.46	0.27	3.10	0.25	15.75	1.04	16.39	742.26	915.67		
SMDH 00088	75.2	76.46	0.10	13.42	72.89	148.92	16.38	56.62	10.00	1.68	5.79	0.57	2.89	0.27	1.08	0.27	1.03	0.25	30.94	1.25	9.91	414.16	747.52		
SMDH 00088	159.7	166.18	0.12	28.05	141.00	310.04	36.14	121.33	24.49	1.56	14.07	1.61	7.10	0.99	2.16	0.27	1.55	0.25	73.55	3.23	12.85	557.07	715.44		1.45
SMDH 00089	75.3	74.56	0.10	16.32	59.73	144.54	15.90	54.31	9.89	0.28	5.79	0.69	3.66	0.55	1.40	0.27	1.45	0.25	37.29	2.08	13.44	574.36	386.24		
SMDH 00089	71.0	68.51	0.09	16.56	57.05	121.75	14.58	49.69	9.20	0.56	5.56	0.69	3.55	0.55	1.40	0.27	1.34	0.25	30.60	1.56	9.67	412.53	293.32		1.52
SMDH 00089	101.9	89.51	0.13	30.34	73.82	167.08	19.15	63.56	12.65	1.23	7.60	1.03	5.77	1.10	2.59	0.27	2.48	0.25	38.87	2.19	7.78	309.60	446.57		
SMDH 00089	113.4	89.41	0.11	41.10	71.84	154.90	18.43	62.40	12.99	1.34	7.94	1.15	7.44	1.42	3.46	0.53	3.20	0.25	38.08	2.08	6.37	258.68	484.01		
SMDH 00089	120.0	98.86	0.11	40.50	80.81	175.98	20.72	69.33	14.72	1.34	8.85	1.26	7.55	1.42	3.24	0.27	2.99	0.25	44.99	3.12	8.73	352.02	443.27	0.56	1.49
SMDH 00089	81.2	64.23	0.08	28.89	53.21	113.09	13.25	45.07	8.62	1.34	5.56	0.80	5.10	0.99	2.27	0.27	2.38	0.25	25.73	1.46	6.13	248.55	304.07		
SMDH 00089	97.9	79.10	0.09	33.37	61.94	133.81	15.90	56.62	11.04	1.34	6.81	0.92	5.66	1.10	2.49	0.27	2.58	0.25	29.81	1.56	4.84	238.55	451.25		
SMDH 00089	82.8	64.92	0.08	29.62	51.46	110.29	13.01	46.22	9.31	1.23	5.56	0.80	4.88	0.99	2.38	0.27	2.58	0.25	24.48	1.25	4.01	203.84	391.27		1.55
SMDH 00089	94.9	70.56	0.08	37.11	53.44	114.80	13.85	49.69	9.66	1.12	6.36	0.92	6.10	1.21	2.92	0.53	3.20	0.50	26.75	1.35	6.13	290.69	307.71	0.52	
SMDH 00089	99.6	81.32	0.08	33.61	66.14	138.81	16.62	57.78	11.15	1.34	6.81	1.03	5.88	0.99	2.38	0.27	2.58	0.25	31.05	1.56	4.25	208.70	334.41		
SMDH 00089	81.9	65.04	0.09	28.65	53.33	114.07	13.13	46.22	9.08	1.34	5.67	0.80	4.88	0.99	2.16	0.27	2.27	0.25	25.84	1.15	3.42	172.77	394.39		1.55
SMDH 00089	110.6	81.96	0.09	43.64	63.46	138.81	16.38	57.78	11.15	1.34	7.04	1.03	6.77	1.31	3.46	0.53	3.61	0.50	30.83	1.56	5.54	263.41	342.38		
SMDH 00089	104.7	82.10	0.09	37.96	64.04	140.52	16.75	57.78	11.38	1.34	7.15	1.03	6.55	1.21	2.92	0.27	3.10	0.25	32.07	1.56	5.78	270.43	285.52	0.38	
SMDH 00089	98.0	67.11	0.23	41.59	46.46	101.52	12.53	46.22	9.54	1.79	6.92	1.15	7.21	1.42	3.46	0.64	3.61	0.60	20.51	1.67	4.95	241.12	1254.24		1.55

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00089	80.8	64.78	0.13	27.44	52.40	112.49	13.13	45.07	9.77	1.68	6.24	0.92	5.66	0.99	3.03	0.27	2.38	0.25	22.33	1.25	5.07	225.72	712.67	1.32	
SMDH 00089	101.3	71.75	0.22	41.83	52.75	114.31	13.85	48.53	11.04	1.56	8.51	1.15	8.21	1.64	5.08	0.64	3.72	0.60	19.95	1.77	5.78	251.79	1419.45		1.73
SMDH 00089	105.1	80.21	0.15	39.77	64.97	139.05	16.38	55.47	10.58	1.45	7.38	1.15	7.21	1.42	4.86	0.74	4.23	0.60	25.95	1.77	5.42	224.91	645.58		
SMDH 00089	109.4	87.21	0.12	38.57	70.68	152.09	17.83	61.24	11.84	1.45	7.94	1.15	6.99	1.42	4.75	0.64	3.92	0.25	27.99	2.40	6.37	281.78	831.42		
SMDH 00090	38.7	38.32	0.02	8.34	35.28	77.87	8.19	27.73	5.17	0.28	2.95	0.29	2.11	0.27	0.97	0.27	0.83	0.25	15.64	0.73	4.13	175.47	218.43	1.98	1.45
SMDH 00090	144.6	137.00	0.09	34.94	118.30	256.41	29.03	99.38	19.55	1.68	12.48	1.49	7.10	1.21	2.81	0.27	2.79	0.25	48.96	2.19	14.86	669.59	550.58		
SMDH 00090	82.5	65.27	0.06	29.14	53.21	98.23	13.25	46.22	9.66	1.34	6.92	0.80	4.99	0.99	2.27	0.27	2.48	0.25	20.63	0.83	4.25	184.11	323.31		
SMDH 00090	78.5	78.18	0.07	16.08	67.30	138.32	16.99	56.62	10.23	1.23	6.58	0.69	3.88	0.55	1.40	0.27	1.14	0.25	29.47	0.62	6.72	291.91	431.83		1.77
SMDH 00090	84.6	89.14	0.08	12.94	75.10	162.94	18.55	67.02	11.04	1.12	7.04	0.57	3.00	0.27	0.86	0.27	0.72	0.25	36.04	0.73	8.25	377.41	464.77	1.60	
SMDH 00090	92.0	86.55	0.07	22.49	76.38	158.55	18.31	63.56	10.12	1.23	6.92	0.69	3.99	0.77	1.94	0.27	2.17	0.25	32.41	0.73	7.55	330.81	378.79		
SMDH 00090	117.2	92.80	0.12	41.47	75.57	156.72	18.31	67.02	12.07	1.23	7.60	1.03	6.44	1.31	3.57	0.64	4.03	0.60	34.23	1.04	8.49	401.46	536.37		
SMDH 00090	99.1	79.70	0.10	34.70	62.88	134.67	16.50	56.62	11.38	1.23	7.38	0.92	5.66	1.21	3.13	0.27	2.99	0.25	30.03	1.04	7.67	335.00	478.12		
SMDH 00090	60.9	57.23	0.05	14.51	49.14	97.98	12.17	41.60	7.70	1.34	4.77	0.57	2.89	0.27	1.19	0.27	0.93	0.25	19.27	0.52	3.42	146.83	220.34	0.66	1.70
SMDH 00090	81.7	83.33	0.05	14.99	74.75	151.36	18.07	61.24	11.04	1.45	6.36	0.69	3.33	0.55	1.19	0.27	0.83	0.25	30.83	0.52	3.30	140.21	331.29		
SMDH 00090	48.0	45.91	0.05	11.00	43.20	83.72	10.12	33.51	5.52	1.23	3.18	0.29	2.00	0.27	0.97	0.27	1.03	0.25	15.87	0.26	4.36	190.46	336.31		
SMDH 00090	78.9	72.47	0.09	21.04	63.81	132.84	15.90	52.00	9.66	1.34	5.56	0.69	3.88	0.77	2.05	0.27	2.17	0.25	28.67	0.73	7.43	321.09	548.16		1.59
SMDH 00090	61.0	56.03	0.07	16.44	52.86	107.00	12.53	40.44	7.36	1.01	4.31	0.29	2.77	0.55	1.62	0.27	1.65	0.25	20.97	0.52	6.37	282.99	341.51	0.47	
SMDH 00090	93.8	91.10	0.10	20.67	79.41	165.38	19.28	67.02	12.19	1.34	6.70	0.80	3.99	0.77	1.94	0.27	2.07	0.25	35.70	0.83	10.26	440.36	510.54		
SMDH 00090	94.0	98.45	0.08	14.39	85.00	176.35	20.48	73.96	12.53	1.68	7.49	0.69	3.33	0.27	1.08	0.27	1.14	0.25	37.63	0.73	9.20	419.15	520.24		1.83
SMDH 00090	82.0	72.54	0.06	22.97	60.43	125.04	14.70	53.16	10.12	1.23	6.47	0.69	3.99	0.77	1.94	0.27	1.96	0.25	26.86	0.73	6.13	278.67	419.18		
SMDH 00090	106.5	85.14	0.09	37.60	68.00	147.71	17.47	60.09	12.30	1.23	8.97	1.15	6.44	1.31	2.92	0.27	3.10	0.25	34.00	1.56	7.78	335.94	512.62	0.85	
SMDH 00090	126.4	104.90	0.11	41.71	86.16	183.29	21.68	73.96	16.10	1.45	11.46	1.38	7.88	1.42	3.24	0.53	2.99	0.25	43.41	1.77	11.32	508.17	687.01		1.66
SMDH 00091	50.8	50.58	0.07	10.76	45.18	101.64	11.20	36.98	6.21	0.67	3.52	0.29	2.11	0.27	1.08	0.27	1.14	0.25	24.93	1.04	9.67	434.69	353.48		0.71
SMDH 00091	81.4	68.33	0.13	25.51	63.22	160.50	13.73	49.69	8.85	1.34	5.67	0.69	4.22	0.77	2.05	0.27	2.27	0.25	23.01	0.94	12.62	555.58	553.18		
SMDH 00091	142.2	126.02	0.14	40.26	112.59	251.42	25.54	92.44	16.33	1.45	9.99	1.26	6.77	1.31	3.67	0.64	4.23	0.70	46.01	1.46	15.21	676.75	733.13		
SMDH 00091	105.5	117.24	0.07	11.00	108.63	237.04	24.58	88.98	14.49	1.79	8.40	0.80	2.89	0.27	0.76	0.27	0.62	0.25	47.94	0.94	7.31	308.66	554.92		1.62
SMDH 00091	80.7	89.53	0.07	8.34	79.76	174.76	18.67	68.18	11.27	1.45	6.36	0.57	2.11	0.27	0.65	0.27	0.52	0.25	35.02	0.83	7.31	326.62	464.08		
SMDH 00091	122.3	117.59	0.13	27.08	103.86	227.53	23.85	87.82	15.98	1.45	8.97	0.92	4.99	0.99	2.59	0.27	3.20	0.25	44.88	1.25	12.03	535.05	593.57		
SMDH 00091	97.3	95.64	0.09	19.83	85.81	184.02	19.64	71.64	11.73	1.45	6.58	0.80	3.55	0.66	1.73	0.27	2.07	0.25	35.59	0.94	8.25	359.85	561.68	0.43	1.43
SMDH 00091	93.4	100.82	0.07	12.21	99.20	210.96	21.20	76.27	12.30	1.56	6.36	0.69	2.66	0.27	0.97	0.27	0.93	0.25	38.65	0.62	5.54	238.82	482.63		
SMDH 00091	46.0	43.45	0.05	10.03	41.92	84.09	9.04	32.36	4.94	1.56	3.29	0.29	1.78	0.27	0.76	0.27	0.83	0.25	12.81	0.26	1.89	89.69	299.39		
SMDH 00091	118.3	111.13	0.13	30.71	98.39	223.14	24.82	79.73	14.83	1.23	8.17	1.03	5.55	0.99	2.92	0.53	3.41	0.50	47.83	1.35	11.09	499.53	620.27		1.59
SMDH 00091	143.7	137.21	0.15	32.64	111.66	243.86	27.71	101.69	17.59	1.56	10.33	1.26	6.55	1.10	2.92	0.53	3.10	0.25	52.25	1.46	11.67	505.06	791.38	0.22	
SMDH 00091	77.0	61.09	0.27	26.84	50.65	112.12	12.65	42.76	9.20	1.68	5.90	0.80	4.88	0.88	2.38	0.27	2.68	0.25	19.83	0.94	6.72	282.05	1002.35		
SMDH 00091	75.8	59.26	0.17	27.44	54.38	116.87	12.53	41.60	7.93	1.68	5.11	0.69	4.44	0.88	2.49	0.27	2.68	0.25	23.35	0.94	10.61	457.38	867.13		1.65
SMDH 00091	63.1	49.74	0.17	22.97	46.46	95.67	10.84	34.67	6.55	1.23	3.97	0.57	3.66	0.77	2.16	0.27	2.68	0.25	17.91	0.94	9.79	424.15	703.14		
SMDH 00091	111.4	103.08	0.18	29.50	89.89	201.94	22.77	73.96	13.91	1.56	7.72	1.03	5.33	0.99	2.81	0.27	2.89	0.25	42.39	1.25	11.67	483.59	865.40	0.38	
SMDH 00091	93.0	89.61	0.12	21.52	82.55	184.02	19.88	64.71	12.19	1.79	6.81	0.80	4.22	0.66	1.94	0.27	2.07	0.25	37.40	0.94	8.25	362.01	660.84		1.60
SMDH 00091	131.7	122.16	0.16	35.18	108.87	246.42	27.35	86.67	17.48	1.68	9.53	1.26	6.88	1.21	3.03	0.27	3.20	0.25	51.45	1.77	13.09	576.39	907.70		
SMDH 00091	125.9	114.77	0.17	33.73	99.55	220.71	24.09	83.20	14.49	1.45	9.42	1.15	6.33	1.10	2.92	0.27	2.89	0.25	44.09	1.56	12.50	493.31	974.96		
SMDH 00092	124.5	124.79	0.05	26.48	107.70	242.89	27.59	91.29	14.26	0.78	9.08	1.03	4.88	0.88	3.13	0.27	2.27	0.25	47.37	1.98	21.46	938.40	357.81		
SMDH 00092	119.2	110.66	0.10	30.34	93.85	193.29	23.97	80.89	11.04	2.12	7.94	0.92	4.88	0.99	3.57	0.27	3.10	0.50	37.51	0.94	13.56	603.27	546.08		
SMDH 00092	153.8	144.02	0.10	38.69	123.31	258.97	30.72	105.16	16.44	1.79	11.12	1.26	6.88	1.31	4.86	0.64	3.92	0.60	51.34	1.15	11.56	477.64	559.08	2.73	1.43
SMDH 00092	142.8	134.46	0.16	35.30	113.18	251.90	28.31	98.22	17.36	1.34	11.01	1.38	6.55	1.21	2.92	0.27	2.99	0.25	51.79	1.98	12.62	499.39	823.10	0.13	1.38
SMDH 00092	112.8	114.42	0.09	21.64	102.23	211.93	24.82	84.36	12.42	1.56	8.06	0.92	4.33	0.77	1.84	0.27	1.65	0.25	41.71	1.15	8.84	390.25	582.13		
SMDH 00092	115.6	117.69	0.09	21.88	108.87	231.92	25.78	86.67	14.03	1.79	8.62	0.92	4.33	0.77	1.84	0.27	1.65	0.25	43.18	1.15	7.90	318.65	567.74		1.41
SMDH 00092	96.6	103.63	0.08	14.02	97.11	204.98	22.53	77.42	11.73	1.45	6.81	0.69	3.00	0.27	1.19	0.27	0.93	0.25	36.38	0.73	7.43	300.96	465.98	0.72	
SMDH 00092	93.7	98.39	0.09	15.35	91.87	194.26	21.68	72.80	11.15	1.68	6.36	0.69	3.22	0.55	1.40	0.27	1.34	0.25	32.98	0.83	10.61	411.18	575.03		
SMDH 00092	52.9	57.60	0.05	6.53	56.01	115.04	12.89	42.76	6.55	1.68	3.75	0.29	1.66	0.27	0.27	0.27	0.26	0.25	20.51	0.26	5.66	225.18	333.89		1.68
SMDH 00092	113.5	128.15	0.07	12.09	112.94	232.41	28.55	95.91	12.88	1.79	9.08	0.80	2.89	0.27	1.19	0.27	0.52	0.25	43.07	1.04	12.26	545.05	555.44		
SMDH 00092	121.4	118.25	0.09	27.68	102.00	232.53	25.78	86.67	13.11	1.23	8.85	1.03	4.77	0.88	3.24	0.27	2.79	0.25	48.28	1.67	13.80	621.77	482.63		
SMDH 00092	178.6	175.02	0.13	39.41	155.79	331.73	37.83	128.27	22.08	2.01	12.26	1.38	7.55	1.42	3.46	0.53	3.20	0.25	64.37	1.46	9.91	431.99	695.16		
SMDH 00092	169.5	166.79	0.11	37.24	142.40	319.05	36.38	122.49	19.32	1.90	12.82	1.38	6.55	1.31	4.21	0.27	3.41	0.50	61.77	1.56	13.33	587.87	575.89		1.59
SMDH 00092	178.7	169.88	0.10	44.01	142.28	301.51	36.86	123.64	19.32	1.68	13.16	1.49	7.88	1.31	4.75	0.64	4.13	0.60	68.23	1.77	11.56	495.34	475.17	0.76	
SMDH 00092	168.4	153.84	0.11	46.67	132.85	271.16	34.09	110.93	17.36	2.01	11.80	1.38	7.44	1.53	5.73	0.74	5.16	0.70	55.53	1.15	10.38	436.04	486.44		
SMDH 00092	163.2	147.95	0.12	44.85	133.78	278.72	31.56	107.47	17.25	2.01	10.10	1.26	7.66	1.64	4.21	0.74	4.54	0.70	58.93	1.04	8.96	389.44	566.53	0.44	
SMDH 00092	147.3	142.21	0.10	34.33	131.81	274.45	30.96	104.00	17.36	1.68	9.87	1.15	6.10	1.21	3.03	0.27	3.10	0.50	49.98	1.04	10.38	435.77	779.07		1.54
SMDH 00092	168.7	158.70	0.11	42.31	141.00	285.05	34.33	115.56	17.36	2.01	11.24	1.38	7.44	1.42	5.29	0.74	4.75	0.70	52.36	1.25	11.91	533.16	510.71		1.68
SMDH 00092	122.3	116.83	0.08	29.50	105.96	220.58	25.30	85.51	13.45	1.23	7.60	0.92	5.10	0.99	2.81	0.27	2.99	0.25	41.14	1.15	9.55	400.11	382.08		
SMDH 00092	156.2	144.61	0.13	40.26	134.37	271.77	30.72	106.31	16.21	2.01	9.42	1.15	6.44	1.42	3.89	0.64	3.92	0.60	44.65	1.04	9.67	416.18	668.99		
SMDH 00092	162.7	147.05	0.13	45.94	130.41	276.28	31.92	106.31	15.87	1.68	10.78	1.38	7.44	1.97	5.62	0.96	5.68	0.80	48.73	1.15	8.61	447.38	666.90		
SMDH 00093	112.3	107.88	0.10	25.99	103.74	226.92	23.01	79.73	14.60	1.45	9.53	1.03	4.11	0.88	2.27	0.27	2.58	0.25	46.81	1.98	21.82	708.63	513.48		
SMDH 00093	50.2	48.94	0.05	10.52	48.44	105.05	10.72	35.82	5.98	1.45	4.31	0.29	2.11	0.27	0.97	0.27	1.24	0.25	21.42	0.94	8.25	282.86	391.61		
SMDH 00093	115.2	102.55	0.13	32.16	96.53	204.74	20.96	75.11	11.73	1.45	8.62	1.15	5.33	1.10	2.70	0.27	3.20	0.50	41.59	2.08	12.38	451.71	626.51		1.59
SMDH 00093	118.2	109.33	0.09	30.59	104.56	229.48	23.01	79.73	13.45	1.34	9.08	1.15	5.44	1.21	2.38	0.27	2.38	0.25	53.04	3.12	13.92	436.58	685.28	0.71	
SMDH 00093	133.5	115.08	0.11	40.74	107.00	243.01	23.73	83.20	14.95	1.45	9.99	1.49	6.66	1.42	3.24	0.53	3.72	0.50	58.59	3.54	13.68	463.05	576.59		
SMDH 00093	125.0	110.07	0.09	35.42	111.08	225.21	21.93	80.89	12.88	1.45	9.19	1.38	5.88	1.21	2.49	0.27	2.58	0.25	46.47	2.29	6.25	249.09	408.95		1.57
SMDH 00093	162.4	141.82	0.11	46.30	129.83	274.69	27.23	104.00	17.71	1.45	11.35	1.72	8.88	1.53	3.78	0.64	3.41	0.25	62.22	3.23	13.56	576.25	559.08		
SMDH 00093	131.8	121.09	0.14	32.64	110.26	246.18	23.37	90.13	14.95	1.45	10.21	1.26	6.33	1.21	2.92	0.53	3.20	0.50	47.26	1.56	11.79	480.21	543.99	0.55	
SMDH 00093	131.8	121.09	0.14	32.64	110.26	246.18	23.37	90.13	14.95	1.45	10.21	1.26	6.33	1.21	2.92	0.53	3.20	0.50	47.26	1.56	11.79	480.21	543.99	0.55	
SMDH 00094	319.9	316.38	0.09	69.88	283.52	569.25	68.19	231.11	38.52	1.79	24.40	3.10	13.98	2.41	7.56	0.96	5.99	0.80	109.14	5.00	36.79	1468.59	459.40	0.78	1.45
SMDH 00094	204.6	203.22	0.13	44.01	199.10	381.09	44.81	147.91	25.41	2.23	14.98	1.95	8.54	1.53	4.86	0.53	3.61	0.60	63.13	3.02	20.05	827.37	805.42		
SMDH 00094	126.8	121.25	0.13	30.22	110.26	225.95	26.50	87.82	14.95	1.79	9.87	1.26	5.66	0.99	3.13	0.27	2.48	0.25	41.37	2.08	10.02	393.89	696.72		
SMDH 00094	113.5	104.64	0.11	29.14	95.83	197.31	22.17	75.11	13.57	1.90	8.62	1.15	6.21	0.99	3.24	0.27	2.58	0.25	35.59	2.50	9.91	383.90	537.06		1.58
SMDH 00094	160.8	152.83	0.12	37.84	131.11	285.30	31.92	112.09	19.78	2.01	12.37	1.49	7.32	1.31	4.43	0.27	3.51	0.25	53.38	2.92	18.04	763.20	736.07	0.55	
SMDH 00094	23.3	21.94	0.07	4.35	22.24	41.19	4.70	16.18	2.30	1.68	1.48	0.29	0.78	0.27	0.27	0.27	0.26	0.25	6.57	0.26	6.72	290.96	569.65		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00094	88.5	79.88	0.09	23.82	69.98	151.12	16.75	57.78	9.66	1.56	6.58	0.92	4.44	0.77	2.70	0.27	2.17	0.25	25.95	1.56	9.20	403.21	623.39		1.59
SMDH 00094	152.1	146.33	0.11	35.30	125.87	276.52	31.20	106.31	18.28	1.68	12.03	1.61	7.21	1.31	3.89	0.27	3.10	0.25	50.43	3.12	9.55	407.00	709.55		
SMDH 00094	121.4	117.46	0.12	26.35	99.32	214.86	24.21	86.67	14.14	1.79	9.08	1.03	5.55	0.99	3.03	0.27	2.38	0.25	39.10	2.29	10.14	437.52	700.71	0.24	
SMDH 00094	121.4	117.46	0.12	26.35	99.32	214.86	24.21	86.67	14.14	1.79	9.08	1.03	5.55	0.99	3.03	0.27	2.38	0.25	39.10	2.29	10.14	437.52	700.71	0.24	
SMDH 00095	65.1	58.35	0.04	17.65	51.93	110.29	11.81	42.76	7.01	0.89	4.31	0.57	3.22	0.66	2.05	0.27	1.45	0.25	18.70	1.25	5.19	220.18	278.58		0.72
SMDH 00095	1.7	1.44	0.00	0.30	0.29	0.61	0.30	0.58	0.29	0.28	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.28	0.26	0.29	17.43	470.49		
SMDH 00095	130.3	120.61	0.11	32.28	105.84	221.19	24.82	88.98	14.14	2.23	8.97	1.26	5.55	1.21	3.78	0.27	2.58	0.25	38.99	1.46	12.74	536.13	769.19		
SMDH 00095	130.3	127.83	0.09	26.60	111.89	239.23	26.26	94.76	15.75	2.12	9.42	1.26	5.55	1.10	2.81	0.27	1.86	0.25	43.07	1.77	8.61	354.04	689.61	1.02	1.49
SMDH 00095	91.8	94.52	0.08	16.32	90.12	183.29	20.72	69.33	11.61	1.68	7.04	0.80	3.66	0.66	1.19	0.27	0.62	0.25	32.30	1.35	9.20	393.62	555.44		
SMDH 00095	121.8	127.94	0.09	19.83	116.09	242.89	27.71	94.76	14.60	1.79	9.76	1.03	4.44	0.77	1.19	0.27	0.83	0.25	44.77	1.77	11.91	513.84	881.35		
SMDH 00095	108.1	113.95	0.11	17.05	105.02	220.10	24.46	84.36	13.22	1.56	8.06	1.03	4.11	0.55	0.97	0.27	0.62	0.25	38.19	1.56	11.09	441.98	649.05		
SMDH 00095	88.9	95.24	0.08	13.06	89.31	180.25	20.84	70.49	11.15	1.45	6.81	0.69	3.22	0.55	0.86	0.27	0.62	0.25	32.07	1.35	7.90	345.67	717.70	0.37	1.46
SMDH 00095	122.5	124.99	0.12	22.49	112.59	233.99	26.62	92.44	14.14	1.68	9.42	1.15	4.77	0.77	1.51	0.27	1.03	0.25	43.18	1.77	13.92	601.92	732.26		
SMDH 00095	83.8	81.67	0.09	17.77	74.05	151.24	17.23	60.09	9.66	1.56	6.01	0.69	3.66	0.66	1.40	0.27	1.14	0.25	26.29	1.15	9.67	437.79	574.16		1.55
SMDH 00095	83.8	81.67	0.09	17.77	74.05	151.24	17.23	60.09	9.66	1.56	6.01	0.69	3.66	0.66	1.40	0.27	1.14	0.25	26.29	1.15	9.67	437.79	574.16		1.55
SMDH 00096	77.1	70.00	0.09	20.67	59.96	136.49	14.70	50.84	8.74	1.12	5.90	0.69	3.77	0.77	1.62	0.27	1.45	0.25	24.03	1.46	7.90	336.35	719.78		
SMDH 00096	87.2	79.30	0.09	23.33	69.86	144.29	16.50	57.78	9.54	1.12	6.81	0.80	4.22	0.88	1.94	0.27	1.86	0.25	26.29	1.67	7.43	320.68	511.75	2.12	
SMDH 00096	102.8	83.44	0.10	35.66	71.14	153.56	17.71	58.93	10.12	1.45	6.92	0.92	5.88	1.21	3.03	0.53	3.10	0.50	27.77	1.77	9.43	408.62	680.25		1.45
SMDH 00096	115.2	102.68	0.14	32.76	90.94	191.21	21.81	73.96	12.07	1.56	8.74	1.15	5.77	1.10	2.81	0.27	2.79	0.25	35.02	1.87	9.08	463.59	1020.90		
SMDH 00096	130.2	111.25	0.16	40.98	102.58	209.25	23.37	79.73	14.03	1.34	10.10	1.26	6.88	1.42	3.24	0.64	3.72	0.50	38.53	1.87	10.02	453.19	687.88		
SMDH 00096	104.3	94.91	0.13	28.41	87.33	183.66	20.48	68.18	10.92	1.45	8.40	1.03	5.22	0.99	2.27	0.27	2.17	0.25	35.25	1.67	8.84	405.24	669.33	0.75	1.38
SMDH 00096	117.0	113.31	0.13	26.84	106.65	220.34	24.46	82.04	13.45	1.34	9.65	1.15	5.66	1.10	2.05	0.27	1.86	0.25	40.69	2.19	9.67	422.40	718.39		
SMDH 00096	115.4	103.93	0.13	31.55	91.05	188.29	21.56	75.11	12.53	1.45	9.31	1.26	5.99	1.10	2.27	0.27	2.27	0.25	37.29	2.08	8.49	372.15	561.16		
SMDH 00096	129.2	124.14	0.17	30.22	111.20	234.23	26.74	90.13	15.41	1.56	10.78	1.38	5.88	0.99	2.27	0.27	2.17	0.25	43.97	2.40	15.57	699.31	780.97		1.48
SMDH 00096	85.8	76.99	0.10	23.45	69.63	145.76	16.38	55.47	9.77	1.79	6.36	0.92	4.22	0.77	1.62	0.27	1.76	0.25	26.63	1.46	7.08	325.14	349.83	0.19	
SMDH 00096	85.8	76.99	0.10	23.45	69.63	145.76	16.38	55.47	9.77	1.79	6.36	0.92	4.22	0.77	1.62	0.27	1.76	0.25	26.63	1.46	7.08	325.14	349.83	0.19	
SMDH 00097	78.5	70.49	0.07	22.61	62.99	132.59	15.30	50.84	8.28	0.67	6.01	0.69	3.66	0.77	1.73	0.27	1.86	0.25	26.52	1.35	7.90	363.23	272.17		
SMDH 00097	104.3	95.92	0.10	26.11	86.28	174.76	19.03	71.64	10.69	1.34	7.49	0.92	4.33	0.88	1.94	0.27	2.07	0.25	33.89	1.56	10.85	516.95	724.63		1.52
SMDH 00097	101.4	93.39	0.14	26.72	82.32	169.15	20.12	67.02	12.76	1.45	8.17	0.92	5.33	0.88	3.24	0.27	2.27	0.25	31.51	1.25	10.97	444.82	631.54		
SMDH 00097	107.8	92.94	0.15	34.21	84.65	171.47	20.60	65.87	11.38	1.23	7.83	1.03	5.44	1.10	4.32	0.53	3.61	0.25	32.07	2.08	18.04	699.98	655.98		1.51
SMDH 00097	121.8	100.30	0.15	41.59	90.35	177.44	20.96	71.64	11.61	0.89	8.51	1.15	6.55	1.21	5.29	0.64	5.06	0.70	35.02	1.98	10.50	425.77	566.36		
SMDH 00097	87.5	75.01	0.13	27.81	68.23	137.10	16.38	53.16	10.46	1.12	6.58	0.92	4.55	0.88	3.78	0.27	3.41	0.50	25.39	1.56	10.26	404.16	433.91		
SMDH 00097	109.6	102.74	0.16	28.41	92.10	187.92	22.77	73.96	12.42	1.23	7.83	0.80	5.22	0.99	3.57	0.27	2.99	0.25	34.91	1.15	12.85	494.53	794.50	0.79	1.48
SMDH 00097	89.5	69.50	0.12	33.00	61.48	122.84	14.46	49.69	8.39	1.45	5.45	0.80	4.55	0.99	4.32	0.53	3.51	0.50	23.80	0.83	9.55	349.72	452.29		
SMDH 00097	82.3	86.17	0.09	13.90	81.16	164.16	19.15	63.56	10.35	1.34	6.36	0.69	2.77	0.27	1.51	0.27	1.14	0.25	30.94	0.94	8.61	329.60	423.68		
SMDH 00097	89.1	85.52	0.15	20.79	80.57	157.82	18.43	62.40	10.12	1.23	6.47	0.69	3.99	0.66	2.59	0.27	2.17	0.25	29.47	1.15	10.14	383.90	588.72		1.49
SMDH 00097	86.9	89.34	0.09	15.23	82.67	171.84	19.03	67.02	10.23	1.34	5.79	0.29	3.00	0.55	1.30	0.27	1.34	0.25	32.07	0.94	9.08	382.68	974.79	0.58	
SMDH 00097	70.3	73.75	0.11	11.12	71.49	145.15	15.78	55.47	7.93	1.23	5.45	0.29	2.22	0.27	0.97	0.27	0.93	0.25	26.86	1.46	22.17	955.56	1036.33		
SMDH 00097	90.1	99.32	0.06	10.52	91.05	189.02	21.08	75.11	11.04	1.34	6.13	0.57	2.55	0.27	0.86	0.27	0.83	0.25	37.85	0.94	6.37	272.46	543.65		1.47
SMDH 00097	87.3	90.58	0.09	15.11	83.83	171.84	19.88	67.02	10.92	1.45	6.47	0.57	3.11	0.27	1.30	0.27	1.03	0.25	30.83	1.04	7.78	389.44	683.03		
SMDH 00097	86.6	89.20	0.09	15.11	81.27	164.65	18.67	67.02	10.35	1.01	6.70	0.29	3.22	0.27	1.30	0.27	1.14	0.25	30.60	1.15	5.90	316.36	802.82	0.58	
SMDH 00097	90.9	85.47	0.12	22.00	72.54	150.63	17.83	62.40	11.50	1.23	7.60	0.80	4.44	0.77	2.05	0.27	1.55	0.25	27.65	1.87	6.60	341.35	692.74		1.58
SMDH 00098	109.8	112.99	0.09	19.34	112.94	203.64	24.21	83.20	13.57	1.68	8.85	0.92	4.66	0.66	1.73	0.27	1.45	0.25	30.37	1.87	7.55	401.73	470.49		
SMDH 00098	57.2	58.34	0.06	9.67	56.12	104.20	11.93	43.91	6.44	1.12	4.88	0.29	2.22	0.27	0.86	0.27	0.52	0.25	18.36	1.04	4.48	238.15	496.49		
SMDH 00098	51.8	51.00	0.09	9.91	43.08	89.82	10.36	38.13	6.90	1.23	4.65	0.29	2.22	0.27	1.19	0.27	0.83	0.25	16.66	1.04	7.08	356.88	569.82	1.22	1.55
SMDH 00098	63.8	55.78	0.10	17.77	46.34	96.40	11.32	40.44	7.36	1.56	4.99	0.57	3.44	0.66	1.73	0.27	1.24	0.25	15.41	0.83	4.13	208.83	556.82		
SMDH 00098	107.7	77.86	0.19	43.16	61.36	131.62	15.30	54.31	10.69	2.01	7.72	1.03	7.21	1.42	4.32	0.64	4.03	0.70	20.97	1.35	5.78	297.72	679.91		
SMDH 00098	48.0	36.17	0.10	19.83	39.36	109.68	9.16	23.11	5.63	1.12	4.20	0.57	3.33	0.77	1.84	0.27	2.27	0.50	14.39	1.04	6.13	245.44	507.24		1.62
SMDH 00098	71.9	60.29	0.10	22.24	51.81	108.46	12.29	42.76	8.28	1.68	6.36	0.80	4.44	0.77	1.84	0.27	1.45	0.25	18.13	1.25	5.66	219.23	561.50	0.37	
SMDH 00098	80.3	50.15	0.16	37.96	37.73	78.97	9.40	33.51	7.24	1.56	5.90	1.03	6.21	1.31	3.03	0.27	2.99	0.25	10.31	1.25	6.60	267.05	787.21		
SMDH 00099	146.5	142.38	0.09	32.64	127.85	253.37	30.24	104.00	17.59	1.68	11.35	1.38	6.77	1.10	2.38	0.27	2.07	0.25	45.45	2.71	12.97	552.61	643.33		0.87
SMDH 00099	130.6	131.24	0.11	26.48	120.51	241.42	28.67	94.76	16.56	1.56	11.24	1.26	6.55	1.10	2.05	0.27	1.55	0.25	45.45	2.50	12.97	509.52	646.80		
SMDH 00099	107.7	104.07	0.10	24.06	88.37	186.58	22.05	75.11	14.26	1.56	9.08	1.15	5.77	0.88	1.84	0.27	1.55	0.25	36.83	2.29	11.09	459.54	737.46	1.06	
SMDH 00099	63.9	64.70	0.09	11.48	59.15	121.02	13.97	47.38	8.51	1.68	5.45	0.57	2.77	0.27	0.97	0.27	0.52	0.25	22.67	1.15	6.60	300.82	554.40		1.45
SMDH 00099	79.7	72.07	0.10	20.55	61.36	130.03	14.94	52.00	9.89	2.01	6.13	0.80	4.33	0.77	1.73	0.27	1.45	0.25	24.37	1.35	7.67	342.43	607.79		
SMDH 00100	115.6	107.75	0.09	28.53	93.73	196.33	21.93	78.58	13.80	1.23	9.08	1.03	6.21	1.10	2.38	0.27	2.07	0.25	38.42	3.12	10.38	439.69	541.91		
SMDH 00100	99.1	80.85	0.11	33.49	69.63	147.58	16.38	57.78	10.58	1.12	7.15	1.03	5.66	1.10	3.03	0.27	2.79	0.25	27.65	2.50	9.91	409.29	474.48	1.39	1.43
SMDH 00100	74.8	64.58	0.11	23.94	64.74	115.90	14.94	45.07	8.28	1.23	5.33	0.80	3.77	0.77	1.62	0.27	1.86	0.25	24.25	2.08	8.49	374.85	560.81		
SMDH 00100	73.5	48.07	0.13	34.82	46.34	88.60	10.48	32.36	6.44	1.12	4.65	0.69	4.55	1.21	3.13	0.64	3.51	0.60	16.77	1.77	10.73	437.79	556.65		
SMDH 00100	77.1	66.19	0.11	24.30	63.34	125.16	15.06	46.22	9.54	1.68	6.13	0.69	4.22	0.77	1.84	0.27	1.86	0.25	23.80	2.19	7.78	317.84	330.77		1.36
SMDH 00100	74.4	71.57	0.12	17.65	68.70	135.40	16.26	50.84	9.20	1.45	6.36	0.80	3.66	0.55	1.30	0.27	0.83	0.25	26.41	2.50	8.96	379.17	861.59	0.45	
SMDH 00100	63.8	58.90	0.10	16.93	57.87	114.80	13.61	41.60	8.39	1.56	5.67	0.69	3.00	0.55	1.19	0.27	1.34	0.25	21.87	1.67	5.78	262.06	690.13		
SMDH 00100	65.3	60.17	0.10	17.77	53.68	119.31	13.73	42.76	8.97	1.12	5.11	0.57	3.11	0.27	1.40	0.27	1.24	0.25	22.44	2.19	6.37	255.98	600.51		1.37
SMDH 00100	62.9	62.29	0.09	13.30	63.81	118.70	14.09	45.07	8.51	1.45	5.22	0.57	2.55	0.27	0.86	0.27	0.83	0.25	21.42	1.67	5.42	229.10	665.86		
SMDH 00100	57.3	54.38	0.10	14.39	55.66	108.10	13.01	38.13	7.93	1.56	4.99	0.57	2.66	0.27	1.08	0.27	1.03	0.25	19.95	1.87	5.90	255.44	612.82	0.37	
SMDH 00100	47.4	48.89	0.06	9.43	52.75	101.03	12.05	34.67	6.78	1.12	4.65	0.29	1.89	0.27	0.54	0.27	0.26	0.25	18.81	1.15	4.48	203.43	530.99		1.45
SMDH 00100	86.5	91.64	0.13	10.64	85.70	164.89	17.35	70.49	9.89	1.56	7.04	0.80	3.00	0.27	0.86	0.27	0.62	0.25	30.15	1.77	10.50	401.59	968.89		
SMDH 00100	85.1	92.48	0.26	9.67	84.07	163.91	17.71	71.64	9.54	0.67	6.01	0.57	2.55	0.27	0.86	0.27	0.72	0.25	30.94	2.19	26.65	1058.35	2426.48		
SMDH 00100	52.8	48.87	0.10	11.85	46.34	86.77	9.28	36.98	5.29	1.34	3.97	0.29	2.33	0.27	1.19	0.27	1.34	0.25	15.30	1.56	11.44	474.13	782.01	0.50	1.45
SMDH 00101	135.9	111.67	0.15	45.82	100.37	222.78	23.13	79.73	14.03	1.56	9.53	1.26	7.55	1.53	4.00	0.64	4.03	0.60	38.65	2.81	15.92	683.91	783.57		
SMDH 00101	101.1	75.82	0.17	39.17	67.18	145.88	15.42	53.16	9.66	1.56	6.81	0.92	6.33	1.31	3.35	0.53	3.51	0.50	24.93	1.98	8.02	332.43	906.83		
SMDH 00101	106.0	87.26	0.16	35.30	77.55	165.26	17.95	62.40	10.58	1.34	7.04	1.03	5.88	1.10	2.81	0.27	2.79	0.25	29.81	1.87	9.08	375.12	732.61	36.30	1.56
SMDH 00101	93.0	103.29	0.05	10.88	96.06	212.91	22.41	77.42	13.11	1.23	7.38	0.69	2.77	0.27	0.76	0.27	0.62	0.25	44.43	1.25	6.37	255.30	269.74		
SMDH 00101	124.0	141.41	0.07	11.97	134.60	297.61	30.96	106.31	17.71	1.56	9.31	0.92	3.22	0.27	0.86	0.27	0.52	0.25	62.11	1.46	9.43	384.84	452.29		
SMDH 00101	104.9	114.70	0.13	13.66	109.57	246.91	25.06	85.51	13.91	1.56	8.17	0.80	3.33	0.27	1.08	0.27	0.83	0.25	47.83	1.67	18.51	776.17	847.37		1.50
SMDH 00101	28.6	29.39	0.06	3.87	27.83	57.77	6.26	21.96	3.79	1.56	1.93	0.29	0.89	0.27	0.27	0.27	0.26	0.25	10.20	0.73	9.08	398.49	474.65		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00101	50.7	53.72	0.09	6.53	49.60	103.59	11.32	40.44	6.21	1.79	3.29	0.29	1.66	0.27	0.54	0.27	0.26	0.25	20.06	0.62	6.49	277.45	563.76		
SMDH 00102	69.2	54.36	0.09	25.27	47.97	102.25	11.32	38.13	7.01	0.89	4.65	0.69	4.22	0.88	2.49	0.27	2.58	0.25	18.70	1.46	10.26	457.11	465.12		1.43
SMDH 00102	72.5	54.56	0.14	27.68	46.92	97.13	10.96	38.13	6.90	1.23	4.77	0.69	4.77	0.99	2.70	0.27	2.79	0.25	17.45	1.46	7.31	317.57	785.83		
SMDH 00102	63.3	46.42	0.14	24.90	39.94	86.04	9.28	32.36	5.98	1.23	3.97	0.57	4.22	0.88	2.38	0.27	2.38	0.25	14.28	0.94	4.72	205.05	700.54	2.03	
SMDH 00102	107.1	83.93	0.20	37.36	68.58	146.49	16.26	60.09	10.58	2.12	7.26	1.03	6.55	1.31	3.57	0.53	3.72	0.50	24.37	1.46	7.19	309.60	1068.75		
SMDH 00102	100.6	86.80	0.13	29.86	71.72	155.75	17.71	62.40	10.92	1.68	6.92	0.92	5.77	1.10	2.92	0.27	2.79	0.25	27.54	1.67	9.20	393.76	622.70		
SMDH 00102	77.7	65.89	0.14	23.70	56.24	121.63	13.49	47.38	8.51	1.56	5.45	0.69	4.33	0.77	2.27	0.27	2.27	0.25	20.74	1.35	7.19	305.42	700.54	2.24	1.55
SMDH 00102	94.3	79.38	0.17	29.62	67.53	151.00	16.62	56.62	10.23	1.90	6.70	0.92	5.22	0.99	2.59	0.27	2.68	0.25	25.05	1.67	8.02	335.67	1021.94		
SMDH 00102	188.8	174.11	0.17	50.53	150.43	330.02	37.83	124.80	22.65	2.01	13.73	1.72	9.77	1.64	4.54	0.64	4.13	0.70	60.18	3.85	22.52	942.18	864.01		
SMDH 00102	171.1	176.09	0.07	32.28	154.04	335.02	38.67	128.27	22.31	1.45	12.94	1.61	7.55	1.21	2.49	0.27	1.86	0.25	64.26	3.12	6.25	256.79	238.02		1.64
SMDH 00102	113.7	109.83	0.09	26.11	97.57	209.37	23.85	79.73	14.14	1.56	8.17	1.03	5.22	0.88	2.27	0.27	2.17	0.25	38.53	1.98	6.01	242.20	448.65	0.86	
SMDH 00102	71.3	76.58	0.06	10.16	76.27	151.24	17.23	56.62	9.08	1.79	5.11	0.29	2.44	0.27	0.86	0.27	0.62	0.25	24.82	1.04	4.84	195.87	370.64		
SMDH 00102	83.5	91.66	0.05	10.16	85.46	178.17	20.24	68.18	11.04	1.90	6.24	0.69	2.55	0.27	0.76	0.27	0.26	0.25	33.32	1.15	3.30	130.35	277.02		1.68
SMDH 00102	85.5	92.69	0.05	11.12	85.70	177.81	20.12	69.33	10.92	1.79	6.01	0.57	2.66	0.27	0.97	0.27	0.72	0.25	33.32	1.15	2.95	115.09	280.84		
SMDH 00103	82.1	77.60	0.13	20.43	65.79	126.99	16.62	56.62	9.66	0.67	6.70	0.69	3.66	0.66	1.73	0.27	1.86	0.25	26.41	1.77	12.38	570.98	1019.86	1.33	
SMDH 00103	74.9	69.09	0.18	19.71	58.57	118.94	14.94	49.69	8.51	1.01	7.83	0.80	3.66	0.55	1.73	0.27	1.76	0.25	23.01	1.87	8.25	357.42	465.81		
SMDH 00103	128.1	127.69	0.15	26.72	112.36	223.14	27.47	94.76	14.49	1.12	10.44	1.03	4.44	0.77	2.38	0.27	2.48	0.25	42.39	2.40	15.80	708.36	710.07		1.29
SMDH 00103	75.8	60.66	0.17	26.84	51.12	98.35	12.77	42.76	7.24	1.12	6.70	0.80	4.33	0.88	2.27	0.27	2.48	0.25	18.93	1.04	8.25	377.28	452.46		
SMDH 00103	63.1	55.69	0.16	18.01	48.32	92.62	11.57	40.44	7.24	1.01	5.22	0.57	3.11	0.27	1.62	0.27	2.07	0.25	17.00	1.46	8.61	383.90	409.82	1.51	
SMDH 00103	81.8	69.50	0.18	25.03	60.66	131.98	13.97	50.84	7.82	1.23	5.11	0.57	4.11	0.77	2.05	0.27	2.27	0.25	22.44	1.15	8.61	374.44	417.10		1.55
SMDH 00103	82.2	70.10	0.20	25.15	65.09	131.86	14.46	50.84	8.16	1.45	5.90	0.69	4.11	0.88	2.05	0.27	2.27	0.25	22.55	1.35	8.84	383.49	461.82		
SMDH 00103	99.2	80.14	0.22	33.49	68.81	141.25	15.90	57.78	8.85	1.45	7.15	0.80	5.66	1.10	2.70	0.53	3.10	0.50	24.48	1.35	11.20	466.97	458.01	1.15	1.54
SMDH 00103	120.1	98.96	0.18	39.29	83.37	170.62	19.52	71.64	10.69	1.34	8.06	0.92	6.88	1.42	3.24	0.64	3.61	0.60	29.92	1.25	10.50	447.25	406.87		
SMDH 00103	115.0	81.94	0.13	48.00	76.61	144.54	16.62	56.62	9.20	1.68	7.38	1.03	7.66	1.64	4.97	0.64	5.06	0.70	22.55	1.04	10.97	458.33	383.99		
SMDH 00103	135.4	124.54	0.18	36.15	112.01	285.42	26.86	88.98	16.33	1.56	9.76	1.38	7.32	1.21	3.67	0.27	3.51	0.50	39.89	2.50	16.39	719.84	1206.57		1.51
SMDH 00103	84.8	74.06	0.13	25.03	67.07	136.98	15.66	53.16	8.97	1.34	5.90	0.80	4.44	0.99	2.38	0.27	2.68	0.25	23.35	1.67	7.90	322.71	576.07	1.35	
SMDH 00103	74.3	44.04	0.20	35.30	25.85	58.01	7.35	28.89	7.70	2.35	7.04	1.03	6.77	1.21	3.46	0.27	3.20	0.25	6.23	0.73	8.61	369.98	2454.74		
SMDH 00103	110.6	63.90	0.29	53.68	32.83	61.18	9.88	42.76	10.81	2.90	10.44	1.61	9.65	1.97	5.29	0.64	4.65	0.70	4.76	0.73	7.78	324.33	4086.89		1.62
SMDH 00104	85.4	86.00	0.09	17.41	73.82	161.36	18.31	63.56	10.00	0.28	5.90	0.80	3.33	0.66	1.62	0.27	1.96	0.25	34.34	2.29	21.34	897.34	355.04		
SMDH 00104	111.3	97.32	0.13	32.40	84.88	170.37	19.76	71.64	10.58	1.34	7.15	1.03	4.88	1.21	2.92	0.27	3.20	0.25	30.60	2.08	17.92	759.96	520.07		
SMDH 00104	56.1	37.46	0.12	24.42	32.95	58.01	6.87	26.58	3.79	1.12	2.84	0.57	3.44	0.88	2.27	0.27	2.68	0.25	7.03	0.62	9.43	411.99	609.35	1.96	1.47
SMDH 00104	87.6	63.82	0.18	34.94	52.63	110.41	12.17	45.07	5.75	1.01	5.11	1.03	5.55	1.31	3.13	0.53	3.41	0.50	18.47	0.83	11.09	476.02	550.58		
SMDH 00104	96.2	88.61	0.18	24.06	80.69	157.33	17.83	65.87	8.74	1.34	5.67	0.80	4.11	0.99	2.49	0.27	2.48	0.25	27.65	1.77	8.73	368.36	461.30		
SMDH 00104	69.7	61.26	0.16	20.19	55.07	110.41	12.89	43.91	7.93	1.12	5.79	0.69	3.77	0.77	1.94	0.27	1.96	0.25	21.31	1.15	9.32	418.88	386.24		1.56
SMDH 00104	63.1	53.48	0.15	19.71	48.67	95.67	11.32	38.13	6.55	1.23	5.22	0.69	3.33	0.66	1.73	0.27	1.96	0.25	17.91	1.46	7.78	341.48	491.64	1.57	
SMDH 00104	57.3	52.68	0.19	14.75	45.41	92.26	11.20	38.13	6.67	1.12	4.99	0.57	2.77	0.55	1.30	0.27	1.65	0.25	17.79	1.56	8.96	371.61	484.88		
SMDH 00104	70.8	62.31	0.20	20.19	53.56	108.46	12.89	45.07	8.28	1.23	5.90	0.69	3.66	0.66	1.84	0.27	2.07	0.25	19.61	1.87	9.91	443.74	506.72		1.62
SMDH 00104	76.3	66.03	0.18	22.97	59.03	114.92	13.85	47.38	7.70	1.12	5.56	0.69	4.11	0.77	1.94	0.27	2.17	0.25	21.53	1.46	9.55	412.26	493.03		
SMDH 00104	53.8	48.30	0.13	14.02	40.75	82.51	9.64	35.82	6.21	1.12	3.97	0.29	2.55	0.27	1.30	0.27	1.14	0.25	14.17	1.04	8.49	360.93	446.39	1.39	
SMDH 00104	81.7	74.09	0.18	21.76	68.00	133.08	15.54	54.31	8.05	1.34	5.22	0.69	3.55	0.77	1.94	0.27	2.07	0.25	23.46	1.67	8.25	366.61	491.64		1.61
SMDH 00104	73.7	66.99	0.18	19.71	60.55	120.04	14.22	48.53	8.51	1.23	5.56	0.69	3.55	0.66	1.94	0.27	1.65	0.25	21.31	1.15	7.78	331.22	499.96		
SMDH 00104	83.7	69.99	0.18	27.44	62.29	121.50	15.06	49.69	8.97	1.34	6.47	0.80	4.44	0.88	2.59	0.27	2.99	0.25	21.65	1.56	7.90	358.37	473.79		
SMDH 00104	93.1	83.28	0.20	26.35	74.64	143.20	17.83	60.09	10.69	1.34	8.51	0.92	4.44	0.88	2.27	0.27	2.68	0.25	25.95	1.87	7.90	368.36	531.34	0.74	1.62
SMDH 00104	94.7	83.26	0.18	27.81	68.11	137.71	17.59	60.09	9.77	1.23	8.62	0.92	4.66	0.77	2.27	0.27	2.48	0.25	26.18	1.98	9.20	416.86	421.78		
SMDH 00104	73.1	65.47	0.18	20.55	57.40	124.06	13.85	47.38	7.70	0.89	6.47	0.69	3.55	0.66	1.84	0.27	1.96	0.25	22.78	1.46	12.38	538.43	905.10		
SMDH 00104	77.5	74.81	0.15	17.65	63.22	128.57	16.14	54.31	10.12	1.23	7.83	0.92	3.44	0.27	1.30	0.27	1.14	0.25	25.27	1.87	10.02	441.31	424.55		1.72
SMDH 00105	91.6	87.70	0.11	21.76	75.10	168.91	18.67	63.56	11.96	0.78	7.04	0.92	4.55	0.77	1.94	0.27	1.86	0.25	37.85	2.08	16.04	673.91	481.24		
SMDH 00105	117.7	105.48	0.14	32.64	96.53	190.60	22.41	76.27	13.11	2.01	8.06	1.03	5.77	1.10	2.70	0.27	2.79	0.25	33.55	1.35	10.38	420.64	483.49		
SMDH 00105	119.8	112.50	0.13	29.74	107.59	203.52	24.21	82.04	12.65	1.79	7.26	0.92	5.33	0.99	2.59	0.27	2.68	0.25	35.59	1.04	8.02	323.38	522.33		1.48
SMDH 00105	111.2	112.80	0.10	21.40	105.14	210.71	24.58	83.20	12.99	1.56	7.38	0.80	4.22	0.77	2.05	0.27	2.38	0.25	40.91	1.04	6.96	285.15	474.83		
SMDH 00105	85.1	87.91	0.09	15.60	81.74	168.42	19.52	64.71	10.58	1.12	5.67	0.57	3.11	0.55	1.40	0.27	1.65	0.25	34.11	1.04	10.50	421.04	343.25		
SMDH 00105	69.6	70.51	0.09	13.42	66.25	134.54	15.78	52.00	8.28	1.45	4.20	0.29	2.44	0.27	1.19	0.27	1.34	0.25	25.73	0.94	8.37	342.56	419.00	0.68	1.52
SMDH 00105	47.4	50.96	0.07	6.29	50.30	99.20	11.20	38.13	5.75	1.34	3.18	0.29	1.33	0.27	0.54	0.27	0.62	0.25	21.08	0.73	6.72	285.96	335.45		
SMDH 00105	36.2	34.51	0.06	7.98	33.53	63.13	7.47	25.42	3.91	1.23	2.38	0.29	1.33	0.27	0.65	0.27	0.62	0.25	11.56	0.62	5.54	234.90	295.75		
SMDH 00105	40.9	35.89	0.08	11.00	33.18	62.40	7.47	26.58	4.60	1.45	2.61	0.29	1.55	0.27	0.76	0.27	0.83	0.25	10.99	0.83	7.08	309.74	448.65		1.55
SMDH 00105	51.1	52.56	0.06	8.58	50.18	98.10	11.32	39.29	6.09	1.23	3.52	0.29	1.66	0.27	0.76	0.27	0.62	0.25	18.70	0.62	5.42	235.98	325.56	0.90	
SMDH 00105	42.0	39.50	0.06	9.67	35.40	71.66	8.43	28.89	5.17	1.23	3.29	0.29	1.89	0.27	0.76	0.27	0.72	0.25	14.62	0.94	7.31	318.25	353.30		
SMDH 00105	94.0	93.90	0.11	18.74	82.32	171.23	19.88	69.33	12.19	1.23	7.04	0.80	3.88	0.66	1.62	0.27	1.65	0.25	37.85	1.56	9.08	383.76	615.42		1.52
SMDH 00105	106.1	95.45	0.13	29.50	76.38	165.26	19.76	69.33	12.53	0.89	8.74	1.03	5.33	0.99	2.38	0.27	2.68	0.25	37.85	1.56	8.84	379.30	415.71		
SMDH 00105	85.6	69.45	0.10	28.65	55.07	114.68	13.73	49.69	9.66	1.23	6.24	0.92	5.10	0.99	2.49	0.27	2.68	0.25	26.29	1.35	5.07	213.02	325.56		
SMDH 00105	94.4	79.48	0.09	30.10	65.79	137.71	16.50	56.62	10.69	1.34	7.83	0.92	5.44	0.99	2.38	0.27	2.27	0.25	30.94	1.56	7.19	336.75	521.46		1.62
SMDH 00105	50.6	48.51	0.06	11.85	42.38	87.50	10.72	34.67	5.98	1.01	5.22	0.57	2.55	0.27	0.97	0.27	1.03	0.25	20.17	1.15	5.54	244.76	549.72		
SMDH 00105	145.3	125.72	0.12	43.88	98.97	210.35	25.66	90.13	18.28	1.34	13.05	1.49	8.43	1.53	3.67	0.64	3.72	0.50	51.34	2.50	9.91	420.77	817.38	0.89	
SMDH 00105	129.6	118.70	0.11	34.33	98.50	207.18	24.94	85.51	15.75	1.45	10.78	1.26	6.99	1.21	2.92	0.27	2.89	0.50	45.67	1.67	7.90	339.73	735.21		
SMDH 00105	140.7	127.52	0.12	37.72	104.79	219.85	25.66	93.60	15.41	1.12	9.31	1.49	6.77	1.64	3.78	0.64	4.23	0.70	49.41	1.87	8.96	354.86	565.66		1.72
SMDH 00105	118.2	115.42	0.09	26.11	99.09	212.30	24.82	84.36	15.64	1.45	9.65	1.15	5.10	0.88	2.27	0.27	2.07	0.25	45.33	1.46	10.38	437.25	514.18	0.42	
SMDH 00105	23.7	23.33	0.06	4.23	20.84	42.65	4.82	17.33	2.30	1.01	1.48	0.29	0.89	0.27	0.27	0.27	0.52	0.25	7.14	0.83	11.32	497.77	334.06		
SMDH 00105	34.1	35.10	0.06	5.20	30.97	62.88	7.35	26.58	3.56	1.12	2.16	0.29	0.89	0.27	0.27	0.27	0.26	0.25	11.22	0.83	9.32	390.52	351.22	0.79	
SMDH 00105	48.6	53.50	0.06	5.08	50.42	101.15	11.32	40.44	5.63	1.34	2.84	0.29	1.44	0.27	0.27	0.27	0.26	0.25	18.36	0.73	8.02	329.60	427.15		1.60
SMDH 00105	140.1	147.06	0.13	24.42	138.44	286.64	33.01	107.47	19.55	1.68	11.01	1.15	5.44	0.88	2.16	0.27	2.07	0.25	59.84	1.98	10.85	485.48	738.33		1.64
SMDH 00106	135.3	138.68	0.07	24.90	110.96	243.25	28.91	102.84	17.82	0.67	11.92	1.38	5.55	0.99	2.38	0.27	2.27	0.25	58.37	3.85	26.89	1319.73	256.57	0.99	
SMDH 00106	142.6	138.99	0.10	30.83	117.95	245.20	29.15	101.69	16.56	1.90	12.48	1.49	6.66	1.21	3.13	0.27	2.79	0.25	49.64	2.40	12.62	628.12	480.37		1.44
SMDH 00106	131.5	130.55	0.12	27.08	108.75	248.00	27.83	95.91	15.18	1.68	10.67	1.26	5.55	0.99	2.81	0.27	2.99	0.25	49.53	2.08	13.92	676.35	613.16		
SMDH 00106	42.3	42.20	0.05	7.50	38.66	79.70	9.16	31.20	4.60	1.79	3.29	0.29	1.55	0.27	0.65	0.27	0.62	0.25	13.60	0.26	5.07	260.43	494.24		
SMDH 00106	31.7	31.49	0.05	5.32	30.39	62.15	6.87	23.11	3.45	1.79	2.38	0.29	1.22	0.27	0.54	0.27	0.52	0.25	10.31	0.26	6.96	336.35	529.26	0.60	1.75
SMDH 00106	28.4	29.89	0.07	3.63	28.99	59.72	6.87	21.96	3.33	1.79	2.04	0.29	0.78	0.27	0.27	0.27	0.26	0.25	9.86	0.52	8.25	415.51	718.22		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	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	36.6	40.37	0.06	3.51	40.17	82.87	9.04	30.04	4.60	1.79	2.50	0.29	1.00	0.27	0.27	0.27	0.26	0.25	13.15	0.26	6.37	320.27	536.37		
SMDH 00106	131.6	143.10	0.09	17.05	132.04	275.79	30.72	107.47	15.98	2.12	9.31	1.03	3.88	0.66	1.62	0.27	1.86	0.25	50.21	1.25	10.97	545.99	781.15		1.54
SMDH 00106	156.5	165.45	0.10	25.27	157.19	327.46	36.26	122.49	21.27	2.01	12.60	1.26	5.44	0.88	2.92	0.27	2.38	0.25	62.56	1.67	9.32	421.45	882.73	0.71	
SMDH 00106	150.3	143.22	0.14	36.63	127.26	271.77	31.56	102.84	18.28	2.01	12.14	1.38	7.44	1.42	4.86	0.64	4.44	0.70	57.23	2.08	12.15	523.57	763.46		1.67
SMDH 00106	126.6	123.80	0.09	28.05	108.87	232.04	26.74	90.13	16.56	1.45	10.10	1.15	5.77	1.10	3.35	0.27	3.10	0.25	50.77	1.77	10.14	444.95	610.74		
SMDH 00106	163.8	153.08	0.13	41.83	129.71	275.55	32.77	110.93	20.24	1.68	13.05	1.61	7.77	1.53	5.19	0.74	5.06	0.70	59.95	1.98	10.02	437.79	796.75	0.82	
SMDH 00106	111.5	109.25	0.11	24.06	94.78	195.36	23.49	79.73	14.26	1.68	9.53	1.03	4.99	0.77	2.05	0.27	2.07	0.25	39.33	1.67	13.21	570.44	545.03		1.58
SMDH 00106	101.4	94.79	0.10	24.78	79.18	164.52	19.88	69.33	12.76	1.68	8.97	1.03	4.55	0.88	2.05	0.27	1.96	0.25	34.79	1.56	10.85	502.09	474.48		
SMDH 00106	161.7	163.89	0.11	31.67	147.76	302.72	35.78	120.18	20.58	1.90	13.73	1.49	6.44	1.10	2.70	0.27	2.99	0.25	61.09	1.67	10.02	445.49	554.40		
SMDH 00106	142.4	135.17	0.13	34.58	113.18	239.60	28.91	98.22	17.82	1.56	12.03	1.26	6.77	1.21	2.92	0.27	2.89	0.25	49.07	1.87	11.32	487.10	559.08	0.82	1.70
SMDH 00107	116.6	114.81	0.05	25.03	95.59	256.05	24.09	84.36	14.95	0.89	9.08	1.15	5.22	0.88	2.27	0.27	2.27	0.25	41.71	2.40	19.34	791.84	439.11		
SMDH 00107	105.5	95.32	0.12	28.89	74.05	191.82	19.52	69.33	12.65	0.78	8.06	1.03	5.44	0.99	2.59	0.27	2.58	0.25	42.61	2.19	16.16	632.31	586.29		
SMDH 00107	71.4	70.84	0.05	13.90	58.80	121.63	14.82	52.00	8.97	1.45	5.67	0.69	3.33	0.55	1.19	0.27	0.93	0.25	22.10	0.83	7.43	295.42	294.53		1.55
SMDH 00107	83.6	87.27	0.07	13.06	73.12	156.24	18.31	64.71	11.15	1.56	6.92	0.80	3.44	0.27	0.97	0.27	0.62	0.25	30.71	1.15	9.55	383.36	397.85		
SMDH 00107	51.6	52.78	0.08	8.34	46.81	99.20	11.20	39.29	6.67	1.68	3.97	0.29	2.00	0.27	0.65	0.27	0.62	0.25	17.57	0.73	6.37	256.92	470.14		
SMDH 00107	117.4	126.75	0.10	15.84	103.39	225.70	26.74	94.76	16.67	1.56	10.55	1.03	4.22	0.66	1.19	0.27	0.83	0.25	45.11	1.98	8.37	325.00	663.78		1.57
SMDH 00107	137.4	118.19	0.13	42.19	96.18	203.16	24.58	84.36	15.18	1.56	9.87	1.38	7.88	1.42	3.67	0.64	3.30	0.50	40.12	2.50	13.80	552.48	612.12		
SMDH 00107	146.9	131.56	0.13	41.59	113.76	236.18	27.71	93.60	18.17	1.45	11.01	1.38	8.88	1.31	3.57	0.53	3.41	0.25	49.19	2.50	1.06	485.61	658.76	0.36	
SMDH 00107	152.1	146.00	0.16	36.27	131.11	263.60	31.80	105.16	20.01	1.68	12.14	1.49	7.55	1.31	2.92	0.27	2.79	0.25	54.74	2.81	12.15	507.90	828.82		1.52
SMDH 00107	110.3	93.77	0.13	34.82	81.85	171.47	19.88	65.87	12.42	1.56	8.17	1.15	6.88	1.31	3.03	0.27	2.99	0.25	35.47	1.98	7.55	327.16	619.06		
SMDH 00107	121.3	109.86	0.13	33.25	95.13	201.08	23.25	78.58	14.83	1.45	9.65	1.26	6.77	1.21	2.70	0.27	2.79	0.25	42.73	2.19	9.43	416.05	636.57		
SMDH 00107	155.5	156.47	0.12	31.19	134.72	286.27	33.85	113.24	21.50	1.68	13.16	1.61	7.77	1.21	2.49	0.27	1.96	0.25	62.22	2.50	9.32	383.63	501.70	0.33	1.53
SMDH 00107	72.6	74.62	0.07	13.06	67.42	140.39	16.62	54.31	9.89	1.56	5.90	0.69	3.00	0.27	1.08	0.27	0.83	0.25	30.49	0.83	5.54	230.85	404.44		
SMDH 00107	89.3	74.28	0.09	29.50	66.83	139.78	16.14	52.00	10.23	1.68	6.58	0.92	5.22	0.99	2.49	0.27	2.48	0.25	30.03	1.25	7.78	338.24	396.99		
SMDH 00107	107.4	87.59	0.11	36.63	74.05	157.33	18.43	61.24	12.53	1.56	7.94	1.15	6.77	1.21	3.03	0.27	2.79	0.25	35.93	1.77	8.02	328.38	436.86		1.65
SMDH 00107	124.3	103.75	0.14	40.38	85.46	183.66	21.32	73.96	14.60	1.45	9.87	1.26	7.21	1.31	3.03	0.53	3.20	0.50	43.18	1.87	9.08	378.36	511.58	0.27	
SMDH 00107	98.5	97.96	0.12	20.07	83.95	180.85	20.96	71.64	13.45	1.45	8.06	0.92	4.44	0.77	1.73	0.27	1.65	0.25	41.48	1.56	8.73	362.15	485.57		
SMDH 00107	123.4	116.16	0.12	29.98	99.79	214.12	24.33	84.36	16.33	1.56	9.99	1.15	6.33	1.10	2.38	0.27	2.17	0.25	49.30	2.29	9.55	387.68	433.74		1.65
SMDH 00108	157.5	162.58	0.05	29.50	134.72	310.28	35.30	119.02	22.31	0.67	13.05	1.49	6.77	1.10	2.38	0.27	2.07	0.25	67.09	3.54	19.93	847.49	297.65	0.49	
SMDH 00108	99.7	97.85	0.12	22.37	81.97	187.68	21.56	70.49	13.80	1.01	7.83	0.92	4.88	0.88	2.49	0.27	1.96	0.25	42.61	1.87	15.92	650.00	569.48		
SMDH 00108	124.6	119.47	0.13	28.89	104.33	222.90	25.66	86.67	16.44	1.90	9.87	1.15	5.99	1.10	2.59	0.27	2.58	0.25	43.07	1.46	9.08	374.31	691.52		1.52
SMDH 00108	111.5	109.24	0.10	24.18	93.15	205.47	23.37	79.73	15.64	1.45	9.42	1.03	5.10	0.88	2.27	0.27	2.27	0.25	46.13	1.35	8.02	344.86	675.92		
SMDH 00108	88.0	83.89	0.09	20.79	74.40	158.19	18.07	61.24	10.92	1.34	7.15	0.69	3.88	0.77	1.94	0.27	1.96	0.25	34.91	1.04	6.84	278.94	576.76	0.95	
SMDH 00108	89.6	87.25	0.08	19.95	75.92	165.13	18.67	63.56	11.61	1.12	7.38	0.92	4.11	0.77	1.84	0.27	1.76	0.25	36.04	1.15	8.25	363.10	502.04		1.48
SMDH 00108	89.0	91.22	0.08	15.11	78.24	167.21	18.91	68.18	11.61	1.56	7.04	0.69	3.44	0.55	1.30	0.27	1.24	0.25	37.40	0.94	6.84	299.34	512.96		
SMDH 00108	135.4	125.37	0.11	34.82	107.12	234.23	26.38	91.29	16.67	1.56	10.44	1.26	6.44	1.21	3.46	0.53	3.92	0.50	52.47	1.56	11.20	452.52	730.87		
SMDH 00108	107.3	98.96	0.12	27.68	83.48	182.56	20.84	71.64	14.14	1.45	8.97	1.03	5.44	0.99	2.38	0.27	2.38	0.25	38.31	1.25	9.20	397.00	794.84	0.57	1.45
SMDH 00108	38.8	25.79	0.08	16.93	19.68	41.07	5.06	17.33	3.79	1.12	3.18	0.29	3.11	0.66	1.51	0.27	1.34	0.25	6.69	0.62	3.77	157.64	458.01		
SMDH 00108	29.8	27.04	0.08	6.89	23.87	48.50	5.66	19.64	3.33	1.56	2.16	0.29	1.44	0.27	0.54	0.27	0.52	0.25	8.73	0.26	4.25	191.41	636.22		
SMDH 00108	51.2	51.61	0.08	9.07	43.43	88.23	11.08	38.13	6.67	1.56	4.20	0.29	2.11	0.27	0.76	0.27	0.62	0.25	18.02	0.62	8.84	385.79	425.25		1.40
SMDH 00108	129.9	129.47	0.11	25.63	104.56	213.15	27.35	94.76	17.36	2.12	11.46	1.26	6.10	0.99	2.05	0.27	1.55	0.25	45.22	1.04	8.61	367.15	676.61	0.61	
SMDH 00108	105.8	115.04	0.05	13.54	97.81	198.89	25.18	85.51	14.37	2.35	8.62	0.80	3.55	0.27	0.97	0.27	0.52	0.25	42.84	0.73	3.66	151.56	214.62		
SMDH 00108	59.7	64.92	0.04	7.25	57.87	115.41	14.22	48.53	7.70	1.79	4.77	0.29	1.89	0.27	0.65	0.27	0.26	0.25	23.35	0.52	4.13	190.19	110.26		
SMDH 00108	103.4	107.69	0.08	17.53	91.52	186.70	23.49	79.73	12.99	1.68	8.06	0.80	3.66	0.66	1.73	0.27	1.65	0.25	41.82	0.73	8.37	357.29	446.57	0.42	
SMDH 00108	139.3	151.70	0.09	18.26	126.57	257.14	32.65	113.24	18.51	2.01	11.35	1.15	4.66	0.66	1.51	0.27	1.03	0.25	57.23	0.94	9.79	399.97	562.54		1.66
SMDH 00108	97.5	94.47	0.10	21.40	79.18	157.09	20.12	69.33	12.19	1.79	7.60	0.80	4.22	0.77	1.84	0.27	1.76	0.25	33.43	0.83	8.25	366.74	549.02		
SMDH 00108	75.6	77.62	0.08	12.94	68.58	146.37	16.38	57.78	9.66	1.45	6.13	0.69	2.77	0.27	1.08	0.27	0.72	0.25	28.33	0.83	9.32	395.65	420.22		
SMDH 00108	106.4	104.69	0.10	21.76	86.05	185.24	21.81	77.42	13.57	1.79	7.94	0.92	4.55	0.77	1.84	0.27	1.76	0.25	37.17	1.04	11.67	467.11	674.19		1.53
SMDH 00109	112.0	105.40	0.07	28.77	93.03	198.89	22.89	76.27	12.76	0.67	7.49	1.03	5.22	0.99	2.49	0.27	2.58	0.25	38.87	2.19	25.83	1092.39	385.72		1.43
SMDH 00109	94.9	83.72	0.11	27.08	72.19	180.37	17.83	60.09	10.23	1.90	6.36	0.80	4.99	0.99	2.49	0.27	2.58	0.25	18.93	0.73	8.14	358.64	724.98		
SMDH 00109	128.1	124.18	0.12	29.01	114.69	216.56	26.86	91.29	13.45	1.79	8.17	0.92	5.10	0.99	2.59	0.27	2.68	0.25	34.57	0.83	12.74	526.81	691.35		
SMDH 00109	27.4	25.44	0.06	6.17	26.20	52.53	5.66	18.49	2.87	1.45	1.82	0.29	1.00	0.27	0.27	0.27	0.62	0.25	8.39	0.26	7.90	347.29	644.20		1.55
SMDH 00109	31.5	28.57	0.07	7.86	28.76	55.33	6.26	20.80	3.33	1.34	1.93	0.29	1.22	0.27	0.65	0.27	0.72	0.25	7.37	0.62	8.61	375.12	766.59	0.29	
SMDH 00109	17.7	10.61	0.09	8.22	10.71	19.26	2.17	6.93	1.38	1.01	1.25	0.29	1.22	0.27	0.65	0.27	0.72	0.25	2.04	0.83	9.79	438.06	936.30		
SMDH 00109	25.1	19.46	0.07	8.34	18.75	35.83	3.98	13.87	2.41	1.23	1.59	0.29	1.33	0.27	0.76	0.27	0.83	0.25	5.21	0.62	9.55	425.64	704.35		1.69
SMDH 00109	33.9	24.80	0.08	12.81	23.29	46.80	5.18	17.33	3.10	1.45	2.27	0.29	2.00	0.27	1.08	0.27	1.14	0.25	7.48	0.62	7.31	327.03	561.33		
SMDH 00109	41.6	29.53	0.07	16.44	25.62	52.40	5.78	20.80	3.68	1.45	2.72	0.29	2.66	0.27	1.30	0.27	1.24	0.25	7.82	0.62	3.89	173.98	542.78	0.21	
SMDH 00109	93.4	81.98	0.10	27.93	73.59	153.43	17.59	58.93	9.43	1.12	5.67	0.69	4.77	1.10	2.81	0.27	3.10	0.25	28.22	1.04	11.56	482.78	588.37		1.50
SMDH 00109	132.2	118.41	0.13	37.96	106.54	225.58	25.54	85.51	13.22	1.34	8.06	1.03	6.33	1.31	3.67	0.64	3.92	0.60	40.69	1.25	8.84	377.55	876.32		
SMDH 00109	72.7	62.89	0.09	21.76	54.96	117.48	13.25	45.07	7.82	1.34	4.65	0.69	3.88	0.77	1.94	0.27	2.07	0.25	20.85	0.73	6.01	250.98	667.95		
SMDH 00109	32.4	29.84	0.08	7.50	26.31	54.60	6.26	21.96	3.68	1.34	2.04	0.29	1.33	0.27	0.65	0.27	0.72	0.25	8.16	0.52	8.25	355.26	578.15	0.21	1.68
SMDH 00109	84.3	95.73	0.08	8.83	92.80	194.14	21.81	71.64	10.00	1.56	5.22	0.29	2.00	0.27	0.65	0.27	0.52	0.25	34.34	0.83	7.90	330.41	710.76		
SMDH 00109	91.5	84.35	0.10	23.94	77.66	166.23	18.31	61.24	8.97	1.56	5.22	0.69	4.11	0.88	2.27	0.27	2.58	0.25	28.33	0.83	13.21	528.16	929.19		
SMDH 00109	77.9	63.89	0.14	25.63	53.56	115.90	13.25	45.07	8.05	1.68	5.45	0.80	4.77	0.88	2.16	0.27	2.17	0.25	21.31	0.62	4.01	166.42	984.84		1.75
SMDH 00110	190.1	186.36	0.08	40.50	157.54	314.06	37.95	139.82	21.04	1.23	11.58	1.38	7.21	1.42	3.03	0.64	3.20	0.50	69.13	2.50	27.12	1178.44	550.41	7.83	1.50
SMDH 00110	152.6	155.15	0.10	29.74	133.20	288.95	33.61	114.40	17.82	1.34	10.10	1.15	5.99	1.10	2.16	0.27	2.27	0.25	64.60	1.77	14.98	683.10	694.12		
SMDH 00110	132.0	118.30	0.11	37.11	99.32	206.57	25.06	86.67	13.68	1.68	7.60	0.92	5.66	1.31	3.03	0.64	3.10	0.25	45.67	1.25	13.92	622.58	605.02		
SMDH 00110	65.2	61.03	0.08	15.35	57.98	107.85	13.01	45.07	7.36	1.79	3.52	0.29	2.66	0.55	1.19	0.27	1.34	0.25	16.55	0.26	5.78	263.00	463.56		1.59
SMDH 00110	78.1	67.64	0.15	23.21	57.98	122.24	14.09	48.53	8.05	1.34	4.77	0.69	4.33	0.77	1.62	0.27	1.65	0.25	19.83	0.73	3.89	180.33	661.36	12.21	
SMDH 00110	89.7	73.31	0.15	30.22	59.38	125.77	15.18	52.00	8.85	1.34	5.56	0.80	5.33	1.10	2.05	0.27	1.96	0.25	21.19	0.83	4.48	194.11	559.42		
SMDH 00110	36.4	27.93	0.13	12.94	24.92	49.60	5.78	19.64	3.22	1.34	2.04	0.29	2.22	0.27	1.08	0.27	1.24	0.25	6.46	0.26	6.72	306.50	548.50		1.42
SMDH 00110	20.8	14.69	0.06	7.37	13.62	25.84	2.89	10.40	1.49	1.68	1.02	0.29	1.11	0.27	0.54	0.27	0.72	0.25	2.49	0.26	2.83	139.81	355.56		
SMDH 00110	27.1	19.90	0.14	9.91	16.88	32.90	3.98	13.87	2.41	1.23	1.93	0.29	1.78	0.27	0.76	0.27	0.93	0.25	3.17	0.26	1.65	74.83	674.71	7.38	
SMDH 00110	86.5	81.58	0.11	21.52	73.12	158.67	18.07	58.93	9.20	1.45	5.22	0.69	3.88	0.77	1.62	0.27	1.86	0.25	28.56	1.15	9.67	418.07	819.11		1.58
SMDH 00110	141.1	148.24	0.11	24.30	138.79	287.49	32.89	109.78	15.87	1.45	8.17	0.92	4.66	0.88	1.94	0.27	1.76	0.25	52.70	1.25	12.26	540.46	743.88		
SMDH 00110	200.1	186.13	0.14	51.74	159.17	334.53	39.51	136.36	20.93	1.79	12.26	1.49	8.77	1.75	4.43	0.85	4.54	0.70	67.77	1.77	11.91	528.30	785.31		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	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	140.0	124.88	0.12	39.53	106.07	225.21	25.90	91.29	14.60	1.45	8.28	1.03	6.66	1.31	3.24	0.64	3.30	0.50	44.54	1.25	10.50	463.19	655.29	5.73	1.44
SMDH 00110	155.7	133.36	0.14	49.08	113.76	237.52	28.31	95.91	14.72	1.56	9.31	1.26	7.88	1.64	4.00	0.74	4.34	0.70	48.05	1.35	12.74	546.94	462.00		
SMDH 00110	148.6	144.72	0.12	32.52	122.14	261.41	30.60	106.31	17.13	2.01	9.65	1.15	6.66	1.21	2.70	0.27	2.89	0.25	53.04	1.46	9.91	419.83	630.15		
SMDH 00110	163.5	147.61	0.14	45.58	125.98	265.07	31.44	107.47	16.67	1.79	9.76	1.26	7.44	1.64	4.11	0.74	4.54	0.80	54.63	1.35	12.85	561.12	567.92		1.70
SMDH 00110	104.2	106.98	0.09	18.62	91.52	191.70	23.01	79.73	12.19	1.56	6.70	0.69	3.55	0.66	1.51	0.27	1.55	0.25	35.93	0.83	11.79	518.98	548.33	4.19	
SMDH 00111	189.7	187.88	0.11	42.68	166.62	380.48	42.04	136.36	24.14	1.23	14.07	1.49	7.99	1.42	4.86	0.53	3.82	0.60	78.99	2.92	18.63	785.08	608.31		
SMDH 00111	157.7	152.41	0.13	36.03	132.27	269.70	32.29	112.09	15.64	1.56	11.01	1.26	6.77	1.21	3.46	0.53	3.92	0.60	55.08	1.67	12.62	528.84	952.94		
SMDH 00111	154.0	161.61	0.09	26.35	148.69	304.80	35.78	119.02	17.36	1.79	12.14	1.26	5.55	0.99	2.49	0.27	2.27	0.25	60.52	1.77	10.50	455.90	793.46	2.06	1.33
SMDH 00111	192.1	186.94	0.14	42.92	158.24	331.12	39.39	137.51	20.35	1.68	14.41	1.49	8.54	1.53	4.00	0.74	3.72	0.70	69.81	2.40	13.68	578.14	978.43		
SMDH 00111	171.0	158.84	0.14	44.13	142.75	286.64	33.73	114.40	19.66	1.79	13.50	1.61	9.10	1.53	4.65	0.53	3.51	0.25	55.99	2.50	10.97	415.91	728.45		
SMDH 00111	162.9	141.12	0.12	50.17	119.46	275.43	30.00	100.53	19.20	1.56	11.58	1.49	9.10	1.64	5.19	0.64	4.03	0.50	57.69	2.81	11.09	479.94	720.13		
SMDH 00111	139.6	107.40	0.13	52.59	91.17	189.63	21.93	75.11	13.45	1.56	9.53	1.38	8.99	1.75	5.83	0.64	4.75	0.60	37.85	2.29	9.67	385.38	594.62		1.59
SMDH 00111	157.9	125.10	0.13	57.18	106.54	222.53	26.02	87.82	15.52	1.68	11.12	1.61	9.65	1.97	5.94	0.64	4.85	0.60	46.01	2.92	8.49	350.53	717.87		
SMDH 00111	147.7	125.61	0.13	46.91	109.92	236.06	26.26	88.98	16.90	1.45	11.01	1.49	8.88	1.53	4.75	0.53	3.82	0.50	47.94	2.92	9.55	389.44	688.05		
SMDH 00111	143.1	117.60	0.13	48.60	102.35	211.08	24.70	83.20	14.49	1.56	10.21	1.38	8.32	1.64	5.29	0.64	4.44	0.50	42.50	2.29	8.61	390.65	628.59		1.51
SMDH 00111	129.7	107.50	0.11	43.16	94.08	194.02	22.65	76.27	13.80	1.68	9.76	1.26	7.32	1.53	4.97	0.53	4.34	0.50	38.76	1.87	8.84	353.10	607.44		
SMDH 00111	164.8	145.57	0.13	48.72	126.57	284.69	31.08	104.00	19.20	1.56	11.92	1.61	8.88	1.75	5.08	0.64	4.23	0.60	58.71	2.71	9.67	422.13	872.16		1.52
SMDH 00111	209.5	170.71	0.23	72.78	147.52	312.60	35.78	121.33	21.16	1.79	13.73	1.84	11.76	2.63	9.08	1.27	9.60	1.41	62.67	2.29	14.98	580.03	974.79	0.73	
SMDH 00112	146.3	133.14	0.11	41.47	116.09	261.53	29.27	93.60	13.34	1.01	11.92	1.84	8.43	1.53	3.46	0.64	3.30	0.25	52.25	3.12	22.17	888.56	567.57		1.44
SMDH 00112	143.8	127.45	0.14	42.19	115.15	246.91	27.83	90.13	15.41	2.01	11.69	1.72	7.77	1.64	3.35	0.53	2.89	0.25	46.69	2.50	14.62	580.44	740.93		
SMDH 00112	119.2	103.70	0.11	36.15	95.83	204.62	22.53	72.80	11.84	1.90	9.76	1.61	6.77	1.42	3.13	0.53	3.20	0.25	38.08	2.08	10.50	416.99	610.91		1.30
SMDH 00112	107.5	94.53	0.10	32.16	86.86	192.19	20.96	65.87	11.38	1.79	8.28	1.38	6.33	1.31	2.92	0.27	2.48	0.25	35.70	1.87	9.91	389.84	658.76	1.24	
SMDH 00112	139.0	131.85	0.14	33.00	110.73	239.11	27.35	95.91	14.37	1.45	10.44	1.38	7.21	1.10	2.81	0.27	2.17	0.25	47.49	2.50	10.85	480.88	920.70		
SMDH 00112	151.7	121.01	0.13	53.44	96.41	202.30	24.58	85.51	14.49	1.79	10.78	1.49	9.43	1.75	4.75	0.74	4.44	0.60	40.91	3.12	11.56	491.56	675.40		1.63
SMDH 00112	134.4	117.18	0.12	40.26	100.83	210.35	25.06	83.20	14.14	2.01	10.21	1.26	7.66	1.31	3.46	0.53	3.10	0.50	41.37	2.29	11.32	473.59	717.01		
SMDH 00112	133.2	123.72	0.13	33.61	107.70	223.51	25.78	90.13	14.26	1.68	10.67	1.26	6.55	1.21	2.81	0.27	2.38	0.25	42.95	1.98	10.26	452.92	821.19	0.54	
SMDH 00112	143.0	121.27	0.11	44.49	98.74	206.57	24.46	86.67	13.45	1.68	10.21	1.38	8.77	1.42	4.00	0.53	3.61	0.60	41.14	2.29	7.90	351.48	691.70		1.62
SMDH 00112	129.1	116.46	0.13	34.70	95.13	225.46	23.85	84.36	12.88	1.79	9.19	1.15	7.10	1.21	2.81	0.27	2.27	0.25	43.97	2.29	11.56	486.29	788.78		
SMDH 00113	90.7	78.12	0.08	28.29	69.28	142.71	16.75	55.47	9.54	1.01	6.36	0.92	4.99	0.99	2.38	0.27	2.38	0.25	28.45	1.56	14.03	638.25	686.67		
SMDH 00113	74.5	56.43	0.09	28.89	48.44	97.86	11.69	39.29	6.67	0.89	4.54	0.69	4.77	0.99	2.81	0.27	2.89	0.25	18.13	1.25	13.33	580.44	624.78	1.10	
SMDH 00113	44.1	27.67	0.09	21.28	25.15	49.11	5.90	18.49	3.45	1.01	2.72	0.29	3.00	0.66	1.73	0.27	1.96	0.25	8.39	0.62	8.37	376.74	803.86		1.42
SMDH 00113	45.0	32.24	0.04	18.50	28.64	57.40	7.11	21.96	4.02	1.34	2.95	0.29	2.89	0.55	1.62	0.27	2.07	0.25	11.90	0.73	2.71	114.55	200.40		
SMDH 00113	22.0	19.25	0.05	5.44	19.68	37.78	4.10	13.87	2.64	1.45	1.48	0.29	1.00	0.27	0.27	0.27	0.26	0.25	6.23	0.26	4.60	224.77	309.27	0.59	1.59
SMDH 00113	20.0	12.14	0.06	9.31	12.46	22.55	2.65	8.09	1.26	1.23	1.13	0.29	1.11	0.27	0.86	0.27	1.03	0.25	3.29	0.26	9.08	390.79	526.66		
SMDH 00113	103.6	98.16	0.09	25.27	88.03	185.85	21.20	70.49	12.07	1.34	8.06	1.03	5.44	0.88	2.05	0.27	1.65	0.25	35.25	2.19	8.96	403.48	597.04		
SMDH 00113	99.9	94.69	0.08	24.42	81.62	172.69	20.60	68.18	12.65	1.34	7.26	0.92	4.99	0.88	2.05	0.27	1.76	0.25	33.09	1.77	8.84	366.74	594.96		1.39
SMDH 00114	73.7	69.68	0.06	17.77	64.85	125.53	15.30	49.69	8.28	1.56	6.47	0.80	3.88	0.66	1.40	0.27	1.45	0.25	25.73	1.35	8.84	359.04	526.14		0.64
SMDH 00114	93.3	84.83	0.14	23.21	87.21	151.61	16.75	62.40	9.08	2.01	6.70	0.92	4.77	0.77	2.38	0.27	1.55	0.25	25.50	1.04	7.67	332.16	888.80		
SMDH 00114	35.1	29.22	0.09	10.16	26.78	49.84	6.02	20.80	3.56	1.79	2.16	0.29	2.11	0.27	0.97	0.27	0.72	0.25	6.57	0.26	4.36	180.47	579.19		
SMDH 00114	15.0	11.21	0.10	4.47	11.76	17.43	2.17	8.09	1.26	1.45	0.91	0.29	0.67	0.27	0.27	0.27	0.26	0.25	2.27	0.26	6.72	311.76	813.05	0.67	1.48
SMDH 00114	31.2	21.98	0.10	11.73	22.59	35.46	4.34	15.02	2.64	1.79	2.27	0.29	2.33	0.27	1.19	0.27	1.03	0.25	4.42	0.52	8.61	397.14	739.37		
SMDH 00114	114.2	125.13	0.13	13.06	110.85	223.63	25.90	94.76	17.94	1.90	11.01	1.03	3.44	0.27	1.08	0.27	0.62	0.25	61.09	1.87	17.45	785.08	1219.57		
SMDH 00114	42.7	30.23	0.23	16.93	25.38	49.60	5.42	20.80	4.25	1.01	3.97	0.57	3.44	0.55	1.51	0.27	1.45	0.25	4.19	1.04	6.72	313.12	1124.74		1.48
SMDH 00114	52.9	41.99	0.20	17.29	31.79	63.01	7.71	30.04	6.44	1.34	5.56	0.69	3.55	0.27	1.40	0.27	0.93	0.25	7.03	0.83	6.37	267.86	1128.90	1.13	
SMDH 00114	130.7	130.00	0.12	24.54	104.33	206.57	25.78	97.07	17.94	1.90	12.94	1.49	5.66	0.77	1.84	0.27	1.03	0.25	45.90	1.56	10.26	444.41	857.25		
SMDH 00114	118.9	133.49	0.09	11.00	118.41	237.65	27.11	101.69	18.74	1.56	11.80	1.03	3.66	0.27	0.76	0.27	0.26	0.25	56.89	1.25	8.25	358.23	1276.43		1.55
SMDH 00115	26.0	17.58	0.04	11.73	18.98	35.34	3.86	11.56	2.41	0.56	1.70	0.29	1.89	0.27	1.40	0.27	1.24	0.25	14.51	3.33	3.89	138.86	104.19		0.85
SMDH 00115	114.9	108.18	0.11	28.53	100.48	205.59	23.13	78.58	13.34	1.34	8.74	1.03	5.44	0.99	3.13	0.27	3.10	0.25	37.74	2.40	10.61	430.91	746.82		
SMDH 00115	78.8	81.82	0.07	13.78	75.45	156.72	17.83	60.09	10.58	1.01	6.13	0.57	3.33	0.27	1.51	0.27	1.03	0.25	28.56	1.77	8.25	325.81	574.68	0.61	
SMDH 00115	66.0	59.90	0.06	18.01	55.77	114.31	13.13	42.76	7.82	1.23	4.99	0.57	3.44	0.77	2.05	0.27	2.17	0.25	20.51	1.15	5.42	214.64	398.37		1.49
SMDH 00115	69.0	66.45	0.08	15.47	62.18	128.21	14.46	48.53	7.59	1.56	4.77	0.57	2.89	0.55	1.62	0.27	1.55	0.25	23.01	1.04	6.25	262.87	568.61		
SMDH 00115	73.6	70.03	0.09	17.29	66.83	136.25	15.06	50.84	8.85	1.34	5.11	0.57	3.55	0.66	1.94	0.27	1.45	0.25	24.48	0.83	7.43	294.34	694.82		
SMDH 00115	83.8	77.21	0.10	21.64	71.61	144.17	16.50	55.47	8.97	1.45	6.01	0.69	4.55	0.77	2.49	0.27	2.07	0.25	25.84	1.15	9.79	376.20	722.90	0.70	1.42
SMDH 00115	92.1	87.99	0.10	22.37	80.92	158.55	19.64	63.56	10.46	1.34	6.58	0.80	3.99	0.77	2.05	0.27	2.17	0.25	34.34	1.46	6.84	259.89	684.93		
SMDH 00115	76.6	71.61	0.09	17.41	66.83	147.71	13.61	54.31	9.20	1.23	5.11	0.57	3.11	0.55	2.38	0.27	1.86	0.25	27.88	1.04	8.02	335.27	643.68		
SMDH 00115	63.9	67.65	0.09	10.28	61.59	121.14	15.06	49.69	7.59	1.01	5.11	0.57	2.33	0.27	0.76	0.27	0.72	0.25	25.39	1.04	8.73	308.25	744.74		1.34
SMDH 00115	63.9	64.68	0.08	12.57	62.18	122.72	14.58	47.38	7.70	1.23	4.77	0.29	2.44	0.27	1.08	0.27	1.34	0.25	24.82	1.15	8.37	340.00	618.89	0.40	
SMDH 00115	101.1	87.11	0.13	31.92	78.71	155.26	18.91	62.40	10.92	1.01	7.49	0.92	4.88	1.10	3.03	0.27	3.41	0.50	32.41	1.56	9.67	384.57	876.84		
SMDH 00115	79.7	71.42	0.09	22.85	65.67	128.69	15.78	50.84	8.51	1.23	6.01	0.80	3.99	0.77	1.84	0.27	1.96	0.25	26.18	1.25	8.61	325.68	666.38		1.30
SMDH 00115	81.9	67.88	0.11	26.96	60.08	118.82	14.22	48.53	8.62	1.23	5.45	0.80	4.33	0.88	2.16	0.27	2.48	0.25	23.91	1.04	7.55	312.71	693.08		
SMDH 00115	82.9	68.46	0.10	27.68	60.78	119.80	14.58	48.53	8.28	1.34	6.01	0.69	4.66	0.88	2.27	0.27	2.38	0.25	24.03	1.25	8.49	328.38	722.03	0.09	
SMDH 00116	116.1	119.39	0.10	21.64	117.60	218.15	26.14	86.67	15.98	1.23	11.46	1.15	5.44	0.88	1.84	0.27	1.14	0.25	52.93	3.02	15.33	608.81	720.82		
SMDH 00116	71.5	72.15	0.06	13.66	65.44	137.23	15.42	53.16	9.54	1.12	6.81	0.69	2.89	0.27	1.19	0.27	0.72	0.25	26.29	1.35	7.67	341.62	537.06		
SMDH 00116	81.5	78.19	0.06	18.62	69.63	150.51	17.11	56.62	10.58	1.79	6.01	0.69	3.77	0.55	1.73	0.27	1.24	0.25	27.31	1.35	5.66	266.38	488.17		1.62
SMDH 00116	94.2	96.93	0.10	16.32	83.72	179.51	20.48	71.64	10.81	1.45	7.49	0.92	3.88	0.66	1.62	0.27	1.14	0.25	33.77	2.29	10.02	423.07	645.24	1.35	
SMDH 00116	69.4	69.35	0.09	13.90	59.73	128.69	14.94	50.84	8.16	1.12	5.33	0.57	3.00	0.27	1.40	0.27	0.93	0.25	25.61	1.35	5.42	221.67	585.77		
SMDH 00116	141.8	145.84	0.14	25.99	128.54	274.08	31.56	107.47	17.71	1.56	11.01	1.15	5.66	0.99	2.59	0.27	1.76	0.25	53.72	2.29	11.79	512.76	1250.95		
SMDH 00116	115.6	118.70	0.10	21.76	102.81	221.56	25.78	86.67	14.26	0.89	9.53	1.03	5.22	0.77	2.16	0.27	1.34	0.25	48.05	3.02	8.73	342.70	857.42	1.02	
SMDH 00116	53.2	49.00	0.04	13.78	43.43	91.40	10.12	35.82	5.86	0.56	4.43	0.29	2.77	0.27	1.51	0.27	0.93	0.25	18.13	1.04	2.95	127.52	370.64		1.45
SMDH 00116	73.2	76.58	0.06	11.85	67.53	143.44	16.38	56.62	9.20	1.12	6.01	0.57	3.00	0.27	1.08	0.27	0.72	0.25	29.35	1.25	5.19	220.86	471.36		
SMDH 00116	131.8	139.80	0.09	20.19	128.20	266.77	30.00	104.00	18.17	1.79	11.24	1.03	4.77	0.77	1.51	0.27	0.93	0.25	54.74	1.98	8.49	355.13	645.24		
SMDH 00116	148.6	158.21	0.09	23.33	143.68	300.16	34.57	116.71	20.24	1.68	13.50	1.38	5.55	0.88	1.73	0.27	1.03	0.25	61.09	2.40	10.61	455.35	741.45	0.73	1.37
SMDH 00116	104.3	112.11	0.09	14.99	103.86	214.61	24.21	83.20	14.03	1.45	9.53	0.92	3.77	0.55	1.08	0.27	0.62	0.25	43.18	2.08	8.96	362.28	805.07		
SMDH 00116	73.5	77.33	0.06	12.81	77.31	163.06	17.95	55.47	9.31	1.34	6.47	0.80	3.11	0.55	0.97	0.27	0.62	0.25	29.47	1.67	7.78	304.47	606.40		
SMDH 00116	85.0	94.22	0.09	9.79	95.83	194.99	20.60	70.49	10.81	1.56	6.92	0.69	2.44	0.27	0.76	0.27	0.26	0.25	35.13	1.46	10.97	469.00	829.51		
SMDH 00116	75.2	73.52	0.09	15.60	69.40	146.73	15.30	54.31	8.74	1.34	6.47	0.80	3.11	0.66	1.30	0.27	1.24	0.25	26.18	2.29	11.67	431.04	686.15	1.01	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00116	57.0	48.14	0.09	18.38	44.59	91.89	10.72	33.51	6.32	1.23	4.54	0.57	3.33	0.66	1.73	0.27	1.45	0.25	15.41	0.94	6.60	302.58	606.23		1.50
SMDH 00116	100.3	88.95	0.13	28.89	84.88	168.79	19.15	63.56	11.50	1.56	7.94	0.92	5.33	0.99	3.03	0.27	2.58	0.25	28.56	1.98	7.67	287.59	680.77	0.46	
SMDH 00116	130.8	99.17	0.12	51.26	89.19	186.22	20.96	68.18	13.68	1.34	9.08	1.38	8.66	1.75	5.62	0.74	4.75	0.60	33.89	2.40	8.96	426.85	664.82		
SMDH 00117	94.3	89.09	0.06	22.61	83.37	162.09	18.31	65.87	10.92	0.89	7.72	1.03	3.88	0.77	1.94	0.27	1.55	0.25	35.25	3.23	7.90	316.49	343.07		
SMDH 00117	88.7	79.14	0.07	23.82	70.44	141.98	15.78	57.78	10.12	1.56	7.49	0.92	4.66	0.77	2.16	0.27	1.65	0.25	30.26	2.92	6.60	270.70	432.18	1.61	1.38
SMDH 00117	71.7	65.32	0.09	18.26	59.27	118.58	12.77	48.53	7.93	0.89	6.24	0.80	3.22	0.27	1.40	0.27	0.93	0.25	25.27	3.54	8.25	334.46	494.41		
SMDH 00117	96.3	95.61	0.08	18.38	89.54	172.81	19.28	71.64	11.50	1.56	8.06	0.92	3.77	0.55	1.62	0.27	1.45	0.25	36.15	4.06	6.37	247.33	549.89		
SMDH 00117	100.3	92.23	0.09	25.75	88.49	177.93	19.52	67.02	12.42	1.79	8.40	1.03	4.66	0.88	2.16	0.27	2.07	0.25	38.42	3.23	5.78	254.63	659.10		1.36
SMDH 00117	98.7	96.61	0.10	22.37	93.15	195.48	21.81	69.33	10.46	1.56	8.62	1.03	4.44	0.77	1.73	0.27	1.34	0.25	40.57	2.92	7.31	305.42	625.47	0.80	
SMDH 00117	91.8	85.82	0.17	23.33	81.16	150.75	18.55	61.24	10.35	1.23	8.74	0.92	5.10	0.99	2.49	0.27	1.65	0.25	34.79	2.50	17.81	669.73	1202.58		
SMDH 00117	83.7	73.19	0.11	23.94	68.81	127.84	15.06	52.00	10.12	1.68	8.62	0.92	5.22	0.88	2.38	0.27	1.34	0.25	29.47	1.87	11.67	475.62	685.80		1.48
SMDH 00117	82.7	72.73	0.09	23.33	65.79	121.75	14.82	52.00	9.08	1.45	7.60	0.92	4.99	0.99	2.49	0.27	1.55	0.25	29.24	2.29	7.78	299.61	690.65		
SMDH 00117	1.7	1.44	0.00	0.30	0.29	0.30	0.30	0.58	0.29	0.28	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.28	0.26	0.59	27.15	672.28	1.21	
SMDH 00117	75.8	63.88	0.09	23.82	58.57	108.83	13.13	45.07	8.39	1.23	6.47	0.80	4.88	0.88	2.70	0.27	2.07	0.25	25.73	2.29	7.90	288.80	606.06		1.43
SMDH 00117	75.2	59.56	0.12	26.23	55.19	101.88	12.05	41.60	8.16	1.45	6.92	0.92	4.99	0.99	2.81	0.27	1.96	0.25	21.53	2.08	6.49	245.17	669.85		
SMDH 00117	74.6	62.86	0.08	23.82	59.27	109.56	13.37	43.91	7.93	1.34	6.70	0.80	4.77	0.88	2.49	0.27	1.76	0.25	27.09	2.29	6.72	251.79	508.80		
SMDH 00117	101.9	102.91	0.08	19.10	98.74	185.49	21.44	75.11	13.68	1.34	9.99	1.03	5.33	0.77	1.73	0.27	1.14	0.25	46.92	3.54	8.02	319.19	641.07	0.41	1.38
SMDH 00118	111.2	91.82	0.10	37.72	81.39	176.35	19.64	64.71	11.15	1.34	7.83	1.03	6.44	1.31	3.35	0.53	3.72	0.50	31.39	1.98	10.61	464.95	665.00		
SMDH 00118	55.8	49.88	0.07	15.72	43.55	98.96	10.60	35.82	5.98	0.78	3.97	0.57	2.89	0.55	1.40	0.27	1.45	0.25	18.02	1.15	5.42	230.18	332.50	0.93	
SMDH 00118	89.6	87.61	0.09	19.71	80.34	168.55	19.03	63.56	10.35	1.34	6.92	0.80	4.22	0.66	1.51	0.27	1.55	0.25	32.19	1.98	9.08	425.37	574.16		1.54
SMDH 00118	79.6	86.17	0.07	11.12	80.34	167.08	19.15	63.56	10.35	1.45	6.47	0.69	2.77	0.27	0.86	0.27	0.62	0.25	32.98	1.46	5.07	213.56	541.22		
SMDH 00118	63.4	64.60	0.08	11.36	58.92	124.19	14.09	47.38	8.05	1.56	4.88	0.57	2.55	0.27	0.97	0.27	0.83	0.25	23.69	0.94	5.19	207.35	465.98		
SMDH 00118	46.6	44.99	0.06	9.91	43.20	89.33	10.24	32.36	5.86	1.90	3.75	0.29	2.11	0.27	0.86	0.27	0.72	0.25	16.43	0.73	3.54	150.48	383.81	0.37	1.64
SMDH 00118	32.2	31.73	0.08	5.80	31.55	63.13	7.11	23.11	4.02	1.79	2.27	0.29	1.22	0.27	0.27	0.27	0.26	0.25	10.99	0.52	4.84	206.27	510.36		
SMDH 00119	86.7	63.86	0.15	34.70	56.35	119.55	13.37	43.91	8.39	1.56	5.67	0.80	5.77	1.21	3.13	0.53	3.30	0.25	20.17	1.46	7.43	334.73	854.30		
SMDH 00119	80.7	62.72	0.13	29.50	54.49	116.39	13.01	43.91	8.05	1.45	5.56	0.80	4.99	0.99	2.59	0.27	2.79	0.25	19.72	1.56	6.37	288.26	692.39		1.58
SMDH 00119	87.3	70.53	0.13	30.10	62.64	133.57	14.94	49.69	9.31	1.56	6.01	0.80	5.10	1.10	2.70	0.27	2.79	0.25	22.10	1.67	7.67	323.25	696.72	2.00	
SMDH 00119	107.1	95.36	0.13	30.71	86.74	183.29	20.60	68.18	12.42	1.68	7.83	0.92	5.66	0.99	2.59	0.27	2.68	0.25	32.30	1.77	11.32	484.67	685.63		
SMDH 00119	165.5	159.64	0.12	39.17	143.45	300.53	34.94	115.56	20.70	1.68	12.71	1.49	7.66	1.42	3.35	0.53	3.30	0.25	57.69	3.44	16.86	756.85	638.99		1.35
SMDH 00119	109.2	103.81	0.13	27.08	100.48	201.21	23.49	73.96	14.14	1.79	8.62	1.03	5.33	0.99	2.27	0.27	2.17	0.25	33.09	2.29	7.78	330.41	721.17		
SMDH 00119	70.1	71.93	0.09	12.69	69.63	148.07	15.54	53.16	9.20	1.01	5.56	0.57	2.66	0.27	0.97	0.27	1.03	0.25	25.50	1.77	8.84	379.57	575.55	1.44	
SMDH 00119	45.3	44.28	0.08	9.07	43.08	93.35	9.64	32.36	5.52	1.56	3.52	0.29	2.00	0.27	0.76	0.27	0.72	0.25	15.53	1.04	5.19	222.61	392.83		1.49
SMDH 00120	127.5	100.74	0.19	46.30	87.44	183.66	21.44	70.49	11.50	1.90	8.40	1.15	7.66	1.64	4.86	0.64	5.16	0.70	30.60	2.08	10.38	410.78	847.89		
SMDH 00120	125.3	118.28	0.16	31.07	105.72	252.03	25.30	85.51	14.83	1.23	8.85	1.15	6.33	1.21	3.13	0.27	3.20	0.50	39.10	2.29	11.67	487.77	1469.20	2.47	
SMDH 00120	117.7	109.10	0.13	30.95	95.71	201.57	23.61	78.58	13.68	1.23	8.74	1.03	5.88	1.10	2.92	0.27	3.51	0.50	36.49	2.19	11.20	488.31	773.52		1.53
SMDH 00120	111.1	87.96	0.15	39.77	76.15	160.14	18.31	62.40	10.58	1.68	7.60	1.03	6.21	1.31	3.78	0.53	4.23	0.60	27.99	1.77	10.14	448.33	730.01		
SMDH 00120	103.4	85.29	0.16	34.09	73.35	159.28	17.47	61.24	10.12	1.45	7.72	0.92	5.66	1.21	3.67	0.53	3.41	0.50	27.20	1.67	10.50	434.55	842.17		
SMDH 00120	63.4	42.13	0.31	26.11	24.68	54.48	7.11	28.89	6.55	2.23	6.36	0.80	5.33	1.10	2.70	0.27	2.07	0.25	2.95	0.52	6.01	252.19	2440.18	2.39	1.59
SMDH 00120	64.7	42.59	0.32	27.56	27.48	61.42	7.35	28.89	6.21	1.90	6.24	0.92	5.44	0.99	2.59	0.27	2.27	0.25	4.31	0.62	5.31	215.86	2338.59		
SMDH 00120	68.8	61.88	0.15	19.10	60.20	127.84	13.73	43.91	7.47	1.56	6.24	0.69	3.55	0.66	2.16	0.27	2.17	0.25	20.63	1.04	10.85	448.20	1129.42		
SMDH 00121	71.2	70.15	0.08	14.99	62.99	157.58	14.58	52.00	9.08	0.67	6.24	0.57	3.00	0.55	1.40	0.27	1.45	0.25	30.15	1.56	12.50	561.80	605.71		0.90
SMDH 00121	113.6	111.40	0.09	22.73	107.94	213.15	21.81	84.36	12.76	1.23	9.65	0.80	4.44	0.77	2.27	0.27	1.65	0.25	43.41	1.67	7.43	336.21	775.77	2.09	
SMDH 00121	74.6	69.59	0.09	19.58	61.48	131.62	15.66	49.69	9.20	1.12	6.47	0.69	3.55	0.66	2.05	0.27	1.86	0.25	24.59	1.04	8.61	339.32	658.76		
SMDH 00121	114.3	101.25	0.12	32.28	87.56	189.87	20.60	73.96	12.42	1.34	9.99	1.03	5.66	1.31	3.24	0.53	3.30	0.50	35.81	1.46	12.26	471.70	724.98		1.56
SMDH 00121	70.8	72.79	0.07	12.09	71.26	141.37	15.42	54.31	8.51	1.34	6.36	0.29	2.77	0.27	1.19	0.27	0.83	0.25	25.39	0.94	8.84	381.33	576.93		
SMDH 00121	23.6	20.86	0.04	6.04	18.63	38.63	4.22	15.02	2.30	0.89	1.59	0.29	1.33	0.27	0.54	0.27	0.26	0.25	4.19	0.26	1.53	61.73	226.58	1.01	
SMDH 00121	64.2	59.41	0.10	15.60	49.25	117.36	11.93	43.91	6.21	1.12	4.20	0.69	2.89	0.66	1.73	0.27	1.76	0.25	21.31	1.04	11.20	479.13	638.47		1.75
SMDH 00121	103.1	99.79	0.09	22.37	84.18	184.63	20.48	73.96	11.73	1.45	6.70	0.92	4.44	0.99	2.49	0.27	2.58	0.25	36.61	1.35	10.02	407.54	626.51		
SMDH 00121	101.7	96.85	0.09	23.09	79.41	173.05	19.52	71.64	11.04	1.23	7.60	0.92	4.77	0.99	2.59	0.27	2.38	0.25	32.98	1.46	10.38	423.75	623.05		
SMDH 00121	114.8	105.87	0.10	28.89	85.46	185.36	21.08	77.42	12.99	1.12	8.74	1.38	5.99	1.21	2.81	0.27	2.79	0.25	34.45	2.08	9.67	428.61	719.09	1.14	1.51
SMDH 00121	18.3	13.65	0.09	6.65	12.92	24.50	3.01	9.24	1.84	1.01	1.25	0.29	1.11	0.27	0.65	0.27	0.93	0.25	3.40	0.26	7.78	323.25	614.38		
SMDH 00121	12.2	8.88	0.06	4.23	8.15	15.48	1.93	5.78	1.03	1.01	0.91	0.29	0.89	0.27	0.27	0.27	0.26	0.25	1.70	0.26	6.25	257.73	585.25		
SMDH 00122	99.7	96.34	0.07	20.55	76.73	189.75	17.95	72.80	11.38	0.78	7.94	1.15	4.44	0.88	2.16	0.27	2.07	0.25	41.82	2.29	12.97	537.62	543.99		1.20
SMDH 00122	112.9	110.13	0.10	24.54	89.19	196.21	22.77	80.89	14.72	1.01	8.62	1.03	5.44	0.99	2.38	0.27	2.38	0.25	44.54	2.29	16.16	654.73	635.01	2.16	
SMDH 00122	92.4	83.95	0.12	25.27	64.85	140.15	17.95	60.09	11.96	1.12	6.81	0.92	4.99	0.88	2.70	0.27	2.48	0.25	35.47	1.25	7.08	280.16	487.48		
SMDH 00122	92.5	87.60	0.09	23.33	71.96	159.04	19.40	62.40	12.30	1.01	7.94	0.92	4.88	0.88	2.49	0.27	2.48	0.25	37.74	1.46	7.67	305.82	434.78		1.63
SMDH 00122	131.3	120.72	0.11	33.73	105.26	206.93	26.02	86.67	16.67	2.90	10.78	1.38	6.66	1.10	3.46	0.27	2.58	0.50	38.31	1.56	9.79	374.17	512.10		
SMDH 00122	30.1	27.05	0.07	7.62	23.40	49.60	5.90	19.64	3.79	1.34	2.27	0.29	1.22	0.27	0.76	0.27	0.93	0.25	10.99	0.26	4.60	184.79	415.36	1.81	
SMDH 00122	65.2	66.92	0.08	11.97	69.40	119.19	15.66	48.53	7.59	2.01	4.99	0.29	2.44	0.27	1.19	0.27	1.03	0.25	19.95	0.62	3.66	145.89	447.09		1.65
SMDH 00122	114.1	108.07	0.12	28.65	87.33	193.29	23.73	77.42	15.29	1.12	9.99	1.15	5.77	1.10	3.35	0.27	2.68	0.25	50.21	2.08	7.78	305.28	556.13		
SMDH 00122	112.9	95.05	0.11	36.63	74.17	163.31	20.00	67.02	13.57	1.23	9.31	1.15	6.88	1.31	4.11	0.27	3.61	0.50	42.16	1.56	6.37	270.43	425.94		
SMDH 00122	103.6	86.09	0.09	34.70	66.25	147.34	18.19	60.09	11.84	1.01	8.06	1.15	6.66	1.10	3.89	0.53	3.20	0.25	36.72	1.46	7.55	297.85	431.14	0.91	1.61
SMDH 00123	99.2	87.77	0.11	29.14	71.61	159.28	18.67	62.40	12.07	1.01	8.62	1.03	5.66	0.99	2.81	0.27	2.38	0.25	38.76	1.67	7.67	300.42	466.33		
SMDH 00123	119.9	107.85	0.09	32.40	85.58	184.51	21.68	78.58	15.29	1.34	10.10	1.15	6.44	1.21	2.81	0.27	2.68	0.25	39.44	1.77	12.15	499.26	511.75		
SMDH 00123	128.9	134.38	0.07	20.91	117.72	247.64	28.31	99.38	17.82	1.90	10.33	1.15	5.55	0.77	1.84	0.27	1.45	0.25	36.95	1.15	6.72	253.68	549.89	1.50	
SMDH 00123	111.6	103.33	0.09	27.44	86.40	189.26	20.48	76.27	12.53	1.34	8.51	1.03	5.55	1.10	2.70	0.27	2.58	0.25	41.48	1.77	8.84	359.45	562.54		
SMDH 00123	110.0	96.11	0.09	32.64	77.55	168.55	20.24	68.18	12.99	1.45	9.31	1.15	6.55	1.10	2.92	0.27	2.58	0.25	42.05	1.98	8.49	385.38	572.43		1.70
SMDH 00123	99.4	86.68	0.10	29.38	73.59	157.82	18.07	61.24	11.50	1.45	7.94	1.26	6.10	1.10	2.92	0.27	2.17	0.25	32.64	1.87	10.73	373.90	561.85	0.19	
SMDH 00123	91.1	82.45	0.09	25.03	72.31	156.72	17.71	58.93	10.46	1.34	7.83	1.03	4.77	0.88	2.27	0.27	1.76	0.25	34.45	1.56	7.90	304.74	628.25		
SMDH 00123	107.9	94.86	0.11	31.43	81.16	176.10	19.88	68.18	12.53	1.45	8.62	1.15	5.66	1.10	2.70	0.27	2.27	0.25	38.87	1.67	9.91	377.82	656.85		1.66
SMDH 00123	112.9	92.60	0.09	38.69	75.68	168.06	19.52	64.71	13.11	1.12	9.19	1.49	6.88	1.42	3.57	0.27	2.79	0.25	36.27	2.19	10.02	374.04	601.72		
SMDH 00123	110.5	98.11	0.10	31.67	81.04	177.56	20.48	70.49	12.53	1.23	8.85	1.26	5.88	1.21	2.92	0.27	2.27	0.25	40.91	1.77	9.08	323.65	594.09		
SMDH 00123	124.3	110.19	0.10	35.06	90.94	200.35	22.53	79.73	14.83	1.56	10.10	1.38	6.55	1.21	3.13	0.53	2.68	0.25	44.43	1.98	11.44	424.69	671.93	0.65	1.62
SMDH 00123	135.5	134.61	0.14	28.53	118.76	257.27	29.27	97.07	16.44	1.68	11.92	1.61	6.66	0.99	2.59	0.27	1.55	0.25	55.53	2.60	11.56	461.43	814.43		
SMDH 00123	135.9	141.49	0.11	22.85	120.86	261.90	30.12	104.00	18.40	1.68	11.92	1.61	5.77	0.88	1.84	0.27	0.83	0.25	58.37	2.19	10.85	434.82	776.47		
SMDH 00124	68.6	66.19	0.11	15.60	56.59	129.30	13.85	48.53	8.85	0.67	6.24	0.80	3.00	0.55	1.51	0.27	1.24	0.25	33.21	1.56	11.56	482.51	503.08		1.62

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00124	102.7	95.24	0.18	26.48	79.87	183.90	19.88	69.33	14.14	0.89	9.31	1.03	4.99	0.99	2.27	0.27	2.58	0.25	45.90	1.98	17.22	755.10	705.04	2.60	
SMDH 00124	81.3	87.19	0.13	12.21	77.66	162.82	18.79	64.71	11.61	0.67	6.92	0.57	3.11	0.27	1.08	0.27	0.93	0.25	42.73	1.04	10.38	477.78	778.20		
SMDH 00124	119.5	125.30	0.12	18.62	104.56	222.66	25.30	94.76	15.75	0.89	9.99	1.03	4.22	0.66	1.51	0.27	1.24	0.25	55.53	1.46	10.50	475.35	845.64		1.48
SMDH 00124	91.4	86.18	0.07	20.91	75.45	147.83	17.71	63.56	12.07	2.01	8.28	0.92	3.99	0.66	1.51	0.27	1.24	0.25	30.37	0.62	4.01	188.98	487.31		
SMDH 00124	94.5	91.43	0.09	20.19	75.10	160.14	18.67	68.18	11.96	1.56	7.38	0.80	3.77	0.66	1.62	0.27	1.55	0.25	38.19	0.94	6.13	290.69	570.17	1.58	
SMDH 00124	98.9	91.83	0.09	25.03	72.19	160.62	19.28	65.87	12.99	1.34	8.85	1.03	5.66	0.88	2.27	0.27	2.07	0.25	37.97	1.15	7.08	300.55	658.76		1.56
SMDH 00124	103.6	93.93	0.09	27.68	75.80	158.92	19.40	68.18	13.57	1.34	7.94	1.03	5.33	1.10	2.49	0.27	2.38	0.25	37.74	1.35	7.08	312.85	560.46		
SMDH 00124	118.3	97.47	0.13	39.41	78.48	170.74	20.00	69.33	14.60	1.45	9.87	1.26	6.88	1.31	3.35	0.53	3.10	0.25	41.71	1.67	8.49	364.31	629.81		
SMDH 00124	117.7	101.58	0.12	35.78	83.60	180.61	21.08	72.80	14.26	1.45	9.99	1.15	6.55	1.31	3.13	0.53	2.79	0.25	41.71	1.46	9.79	450.22	604.84	1.90	1.38
SMDH 00124	133.3	108.43	0.11	46.67	90.35	180.85	23.13	76.27	15.06	1.34	11.35	1.38	7.66	1.53	5.73	0.74	3.82	0.50	46.47	1.98	9.43	309.87	556.48		
SMDH 00125	103.0	100.29	0.14	23.70	90.35	193.41	21.81	72.80	12.42	0.78	7.26	0.92	4.77	0.77	2.05	0.27	1.96	0.25	50.21	2.19	16.51	746.72	378.79		
SMDH 00125	119.2	110.05	0.13	32.04	101.76	219.61	24.33	78.58	13.22	1.45	7.38	1.03	6.10	1.10	2.81	0.27	2.79	0.25	43.29	1.98	11.09	490.34	446.57		1.43
SMDH 00125	124.1	109.66	0.11	36.39	98.04	205.96	23.61	78.58	13.22	1.68	7.83	1.03	6.44	1.21	3.24	0.27	3.20	0.25	39.89	1.67	10.50	458.87	446.57		
SMDH 00125	123.5	102.75	0.11	40.74	92.68	192.55	21.93	72.80	12.42	1.90	7.72	1.03	6.99	1.42	3.57	0.53	3.41	0.50	37.17	1.46	7.19	340.13	427.15		
SMDH 00125	108.6	102.38	0.13	26.96	94.43	196.94	22.29	73.96	12.65	1.56	7.38	0.92	5.22	0.88	2.38	0.27	2.17	0.25	39.33	1.46	8.73	409.02	506.38		1.48
SMDH 00125	118.8	103.62	0.13	33.85	87.09	183.66	20.48	75.11	13.34	1.79	8.40	1.15	6.88	1.21	2.70	0.27	2.58	0.25	35.02	1.15	9.43	407.27	838.36	0.55	
SMDH 00125	148.2	146.55	0.13	30.47	130.06	278.96	30.12	108.62	17.59	1.34	10.89	1.26	6.55	1.10	2.49	0.27	2.58	0.25	52.81	1.67	11.91	512.22	758.61		
SMDH 00125	127.5	132.30	0.14	21.16	123.65	256.05	27.83	98.22	15.52	1.90	9.19	1.03	5.22	0.77	1.62	0.27	1.55	0.25	46.47	1.25	12.15	510.33	781.32		1.53
SMDH 00125	168.2	164.69	0.14	35.78	152.76	320.76	34.09	121.33	19.89	1.79	12.26	1.49	7.77	1.31	2.81	0.27	2.89	0.25	57.35	1.87	10.26	459.54	751.50		
SMDH 00125	152.4	143.02	0.14	36.99	129.36	272.13	29.27	105.16	17.13	1.68	10.78	1.38	7.21	1.31	3.03	0.53	3.20	0.50	51.91	1.46	10.14	437.79	832.98	0.96	
SMDH 00125	129.6	140.39	0.11	17.41	134.13	276.40	29.88	105.16	15.87	1.68	8.97	0.92	4.44	0.66	1.19	0.27	1.03	0.25	50.77	1.35	13.92	595.30	694.47		1.42
SMDH 00125	168.0	143.46	0.16	51.62	123.77	267.99	28.79	102.84	17.36	1.68	11.80	1.72	10.10	1.86	4.11	0.74	4.44	0.70	52.93	2.40	10.14	440.90	728.45		
SMDH 00125	160.4	132.73	0.14	52.11	114.46	245.57	26.38	94.76	16.21	1.90	11.01	1.61	9.99	1.75	4.00	0.64	4.13	0.60	47.15	2.19	10.61	462.78	935.96		
SMDH 00125	76.2	80.02	0.09	13.54	76.85	144.17	18.67	57.78	9.77	1.34	5.90	0.57	3.00	0.27	1.62	0.27	1.14	0.25	28.11	0.83	12.26	452.79	765.03		
SMDH 00126	164.4	162.74	0.14	36.87	145.43	324.54	36.50	117.87	21.62	1.34	11.92	1.38	6.99	1.31	4.32	0.53	2.89	0.25	69.13	1.87	22.17	744.02	662.57		1.50
SMDH 00126	104.1	101.29	0.70	24.78	93.73	213.76	23.13	72.80	13.34	1.12	7.72	0.92	4.44	0.77	3.13	0.27	1.96	0.25	42.84	5.31	892.47	37956.67	1153.17	1.61	
SMDH 00126	165.4	158.61	0.20	41.95	145.43	288.71	37.10	113.24	19.78	1.90	12.82	1.49	6.77	1.31	4.75	0.64	3.20	0.50	61.09	1.15	17.57	744.70	785.83		
SMDH 00126	145.2	138.63	0.14	36.87	121.44	244.59	31.92	98.22	19.55	1.68	12.48	1.38	7.10	1.21	4.11	0.27	2.38	0.25	56.21	1.46	10.85	387.00	626.51		1.80
SMDH 00126	142.2	142.27	0.13	30.34	120.28	246.18	32.29	102.84	19.89	1.90	12.03	1.26	5.88	1.10	3.46	0.27	2.58	0.25	57.23	1.56	11.20	395.65	681.64		
SMDH 00126	166.6	165.21	0.12	37.24	141.12	282.49	37.71	119.02	21.04	1.90	13.05	1.38	7.10	1.31	3.89	0.27	2.79	0.25	70.95	1.67	12.15	429.28	792.07	0.82	
SMDH 00126	173.7	170.76	0.15	40.14	144.15	296.51	39.27	121.33	22.19	2.12	14.75	1.61	8.54	1.31	4.54	0.53	2.99	0.50	76.27	1.67	12.62	428.47	707.12		1.65
SMDH 00126	163.6	153.23	0.12	40.26	124.00	279.20	31.92	110.93	18.97	2.01	12.26	1.61	8.77	1.42	3.89	0.64	4.03	0.25	63.58	1.77	9.20	399.43	707.47		
SMDH 00126	151.8	140.72	0.11	39.17	119.00	270.06	30.00	101.69	18.17	1.90	11.35	1.49	7.55	1.31	3.57	0.53	3.30	0.50	58.25	1.67	8.96	348.37	705.56		
SMDH 00126	175.6	163.53	0.11	42.80	129.36	295.29	32.53	120.18	19.55	1.79	12.26	1.72	9.10	1.53	3.67	0.64	3.30	0.25	71.17	1.87	8.49	342.83	648.36		1.74
SMDH 00126	147.6	137.36	0.11	37.48	115.85	256.41	28.79	100.53	17.25	1.56	11.12	1.38	6.66	1.21	3.57	0.53	3.10	0.25	52.70	1.67	8.14	321.76	770.40		
SMDH 00126	140.5	133.01	0.12	35.18	120.16	262.39	29.03	97.07	15.18	1.34	9.08	0.92	5.99	1.21	3.57	0.53	4.13	0.50	47.60	1.25	15.80	617.72	915.33		
SMDH 00126	167.8	161.08	0.13	40.50	148.22	313.20	35.30	117.87	17.02	1.56	10.33	1.15	6.77	1.53	4.54	0.64	4.96	0.70	58.48	1.15	10.85	440.09	785.65		1.70
SMDH 00126	213.4	204.93	0.15	50.53	184.08	399.24	43.73	151.38	22.65	1.68	13.05	1.61	8.21	1.86	5.51	0.96	5.58	0.70	73.78	1.35	12.62	488.31	896.26	0.78	
SMDH 00126	199.2	187.07	0.16	51.02	175.12	373.90	40.24	136.36	21.04	1.34	13.73	1.49	8.99	1.86	5.40	0.85	5.58	0.70	70.38	1.67	14.03	548.83	1121.27		
SMDH 00126	199.6	184.01	0.16	52.47	165.80	359.27	38.67	135.20	20.58	1.79	12.60	1.38	8.77	1.86	5.40	0.74	5.47	0.60	65.96	1.35	14.74	552.75	898.16		1.72
SMDH 00126	189.4	185.83	0.16	42.07	159.17	338.19	40.00	136.36	21.27	1.45	12.94	1.38	8.10	1.53	3.78	0.64	4.85	0.50	69.36	1.56	17.57	765.50	1042.92		
SMDH 00126	174.0	177.38	0.13	32.64	148.57	322.71	37.95	131.73	21.39	1.90	12.14	1.26	6.44	1.10	3.35	0.53	4.03	0.50	67.32	1.25	12.85	535.19	919.14		1.72
SMDH 00126	125.2	131.15	0.10	23.09	118.30	242.03	30.48	94.76	15.98	1.45	8.17	1.15	4.77	1.10	2.27	0.27	2.99	0.25	51.91	1.67	10.14	479.94	780.28		
SMDH 00126	104.0	100.27	0.13	23.57	83.48	181.22	21.44	72.80	12.30	1.56	7.72	0.92	5.10	0.88	2.05	0.27	2.48	0.25	37.17	1.04	8.73	383.90	643.16		
SMDH 00126	200.5	193.86	0.18	47.63	158.12	337.21	42.77	139.82	22.88	1.79	15.77	1.84	9.43	1.64	4.00	0.53	3.92	0.50	79.22	2.19	8.25	344.32	691.35	0.72	1.61
SMDH 00126	162.0	157.07	0.16	37.24	130.41	283.22	33.97	114.40	18.74	1.68	13.39	1.38	7.32	1.21	3.35	0.27	3.61	0.25	63.92	1.77	8.96	379.71	731.91		
SMDH 00126	168.7	166.48	0.14	38.32	144.85	307.72	37.83	120.18	20.01	1.68	12.60	1.38	7.10	1.31	3.46	0.27	3.61	0.50	64.37	1.46	9.67	398.76	684.59		
SMDH 00126	155.3	161.54	0.13	29.01	141.93	300.77	36.86	117.87	19.32	1.56	12.26	1.26	5.55	0.99	2.81	0.27	2.38	0.25	68.57	1.77	12.38	509.39	693.08		1.48
SMDH 00126	47.0	48.17	0.09	9.07	45.06	92.86	11.44	34.67	5.52	1.23	3.52	0.29	1.78	0.27	0.76	0.27	0.83	0.25	18.25	0.83	11.56	489.12	628.77	0.49	
SMDH 00126	79.5	68.50	0.20	24.54	57.40	120.53	14.58	49.69	7.24	1.01	5.33	0.57	3.66	0.88	2.49	0.27	3.10	0.25	23.12	1.67	28.18	1182.22	2038.51		
SMDH 00126	79.5	68.50	0.20	24.54	57.40	120.53	14.58	49.69	7.24	1.01	5.33	0.57	3.66	0.88	2.49	0.27	3.10	0.25	23.12	1.67	28.18	1182.22	2038.51		
SMDH 00127	86.6	83.84	0.09	18.13	79.18	198.04	16.26	63.56	9.77	0.89	5.67	0.80	3.22	0.55	1.62	0.27	1.86	0.25	32.07	1.46	12.50	502.50	356.77		1.65
SMDH 00127	151.8	132.02	0.12	44.85	126.45	269.70	26.62	95.91	15.64	1.56	11.12	1.61	7.88	1.42	3.57	0.64	3.20	0.25	61.43	2.81	7.55	286.10	528.74		
SMDH 00127	111.5	114.35	0.13	21.04	107.47	221.32	25.42	84.36	12.30	1.56	7.26	0.69	3.88	0.77	1.94	0.27	2.27	0.25	41.48	1.15	11.67	502.77	718.05		
SMDH 00127	164.2	159.49	0.10	36.51	147.76	297.36	33.85	116.71	18.63	2.01	12.03	1.38	7.55	1.31	3.46	0.64	2.89	0.25	59.16	1.56	8.37	342.56	603.46	1.59	1.52
SMDH 00127	157.7	131.02	0.16	51.62	118.18	249.47	26.74	95.91	14.72	1.79	9.53	1.15	7.21	1.86	5.83	1.06	7.33	1.61	48.73	0.94	7.67	335.94	540.01		
SMDH 00127	279.8	197.57	0.35	121.26	160.56	337.46	40.36	139.82	23.45	1.34	16.23	2.41	14.98	4.27	16.64	2.97	22.82	3.92	74.35	1.56	10.38	459.27	496.49		
SMDH 00127	337.8	250.39	0.34	138.42	207.37	449.33	52.65	176.80	27.25	1.68	18.95	2.52	18.42	4.60	14.48	2.87	16.73	2.82	93.27	1.87	8.37	332.57	587.16		1.62
SMDH 00127	198.9	181.49	0.16	55.01	158.82	334.90	39.27	131.73	18.63	1.68	11.80	1.49	8.99	1.75	5.08	0.96	5.78	1.01	64.83	1.46	13.21	571.93	695.51	0.82	
SMDH 00127	171.6	180.15	0.12	30.10	161.73	341.97	40.12	132.89	19.78	1.45	11.80	1.38	5.77	0.99	2.38	0.27	2.48	0.50	68.45	1.46	9.55	420.10	701.58		
SMDH 00127	194.9	214.29	0.10	26.35	194.91	412.53	47.34	159.47	24.37	1.56	14.41	1.38	6.10	0.88	1.84	0.27	1.55	0.25	80.47	2.29	14.51	644.06	707.82		1.66
SMDH 00127	199.3	214.73	0.12	29.98	192.00	410.33	47.22	159.47	24.37	1.79	14.19	1.49	6.55	0.99	2.38	0.27	1.96	0.25	81.83	2.29	13.33	589.89	748.73		
SMDH 00127	156.6	154.79	0.09	34.70	141.59	312.23	34.33	112.09	16.33	1.45	11.69	1.49	6.88	1.31	3.13	0.27	2.89	0.25	62.11	2.08	12.62	508.98	704.35	0.68	
SMDH 00127	158.8	147.54	0.13	42.55	132.50	295.90	33.01	105.16	18.05	1.68	12.82	1.72	7.66	1.53	3.57	0.64	3.82	0.60	61.88	2.40	14.27	563.28	806.98		1.79
SMDH 00127	118.9	110.43	0.10	30.71	98.39	216.93	24.21	79.73	12.65	2.01	8.97	1.26	5.22	1.10	2.92	0.53	3.10	0.50	45.67	1.25	8.96	351.75	574.51		
SMDH 00128	90.7	91.21	0.06	18.13	75.45	162.33	19.28	67.02	11.73	0.67	7.15	0.80	4.11	0.66	2.05	0.27	2.17	0.25	34.00	1.56	11.32	489.39	378.09		1.60
SMDH 00128	152.5	145.86	0.12	36.15	124.00	256.17	30.96	106.31	17.36	1.45	11.58	1.38	7.21	1.21	4.00	0.27	3.82	0.50	52.93	2.29	14.98	581.52	552.14		
SMDH 00128	120.7	128.69	0.10	19.71	114.22	248.49	28.91	94.76	15.64	1.23	9.53	0.80	4.22	0.77	1.94	0.27	2.07	0.25	46.35	1.35	9.08	365.39	592.19		
SMDH 00128	94.3	96.85	0.09	17.29	86.28	183.78	20.96	71.64	11.04	1.12	7.26	0.69	3.55	0.66	1.84	0.27	1.65	0.25	35.02	1.35	9.32	370.39	540.01	1.60	1.55
SMDH 00128	79.4	85.13	0.07	12.69	78.71	162.57	19.15	62.40	9.43	0.78	6.01	0.69	2.89	0.27	1.30	0.27	1.24	0.25	30.26	0.83	7.43	301.09	603.11		
SMDH 00128	115.8	129.03	0.09	13.54	117.83	255.19	28.43	95.91	13.68	1.68	8.97	0.80	3.88	0.55	1.30	0.27	0.83	0.25	47.37	1.35	8.49	377.68	692.39		
SMDH 00128	113.5	111.51	0.10	25.03	108.05	217.54	24.33	82.04	13.57	1.34	7.83	0.92	4.22	0.88	2.92	0.27	2.79	0.25	40.46	1.35	11.09	451.57	669.16		1.66
SMDH 00128	130.5	129.91	0.12	28.05	127.61	249.22	28.79	94.76	15.52	1.34	9.87	1.26	5.10	1.10	3.13	0.27	3.30	0.25	49.19	1.87	11.79	509.25	723.94	0.76	
SMDH 00128	142.3	127.82	0.11	40.14	114.34	253.61	27.35	92.44	16.21	1.68	9.31	1.15	6.88	1.42	4.97	0.53	4.65	0.70	49.87	1.98	8.84	400.65	742.49		
SMDH 00128	129.0	124.16	0.13	30.34	118.65	234.11	26.62	91.29	15.64	1.12	8.40	1.15	5.10	1.10	3.24	0.53	3.51	0.25	46.69	1.77	11.79	511.68	704.00		
SMDH 00128	131.4	145.34	0.10	16.44	138.91	269.09	31.80	108.62	17.82	1.45	8.97	1.03	3.88	0.55	1.40	0.27	1.24	0.25	53.95	1.67	10.50	414.16	684.07		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00128	82.2	88.06	0.09	12.69	87.21	166.23	20.00	64.71	10.23	1.45	6.24	0.69	2.66	0.27	1.30	0.27	1.03	0.25	33.21	1.15	8.96	372.01	649.22	0.88	
SMDH 00128	137.3	145.40	0.11	21.28	129.71	289.93	31.20	108.62	16.79	1.79	9.65	0.92	4.66	0.77	2.38	0.27	1.55	0.25	56.67	1.56	10.97	447.25	737.98		
SMDH 00128	66.9	72.50	0.08	8.70	73.82	141.12	15.90	54.31	8.05	1.56	4.65	0.29	2.00	0.27	0.76	0.27	0.52	0.25	26.52	0.73	7.90	326.08	592.01		1.53
SMDH 00129	54.9	44.78	0.06	18.86	40.40	80.80	9.04	32.36	5.86	0.28	3.75	0.29	3.11	0.66	1.73	0.27	1.86	0.25	16.77	1.04	8.73	395.65	553.53		0.92
SMDH 00129	76.7	47.27	0.13	37.24	36.79	73.73	8.67	32.36	4.83	0.89	4.20	0.69	5.55	1.31	3.89	0.64	4.34	0.60	12.92	1.04	12.26	549.64	849.97		
SMDH 00129	118.6	68.70	0.17	62.38	57.75	133.57	13.49	45.07	6.44	1.01	5.90	1.15	8.99	2.19	6.48	1.06	7.33	1.01	22.67	1.15	17.57	776.71	1003.74		
SMDH 00129	27.8	16.88	0.06	13.66	16.07	31.81	3.98	10.40	2.07	1.23	1.70	0.29	2.22	0.27	1.73	0.27	1.76	0.25	4.99	0.26	4.01	199.11	242.01		
SMDH 00129	48.1	29.16	0.08	23.70	26.31	53.26	5.90	19.64	3.79	1.12	2.84	0.29	3.33	0.88	2.38	0.27	2.79	0.25	8.73	0.62	8.73	387.27	445.70		1.54
SMDH 00129	96.6	89.47	0.12	24.90	82.90	163.31	19.03	65.87	10.69	1.23	6.01	0.69	3.88	0.88	3.03	0.27	3.30	0.25	28.45	1.25	10.02	439.28	624.43		
SMDH 00129	66.4	63.54	0.11	15.60	64.39	122.97	13.85	46.22	7.24	1.12	4.31	0.69	2.77	0.55	1.62	0.27	1.76	0.25	20.85	1.04	10.38	443.74	606.92		
SMDH 00129	87.5	83.87	0.08	20.07	78.13	161.72	17.83	61.24	10.58	1.34	6.58	0.80	3.99	0.77	1.94	0.27	2.07	0.25	29.58	1.35	8.02	332.16	503.08		
SMDH 00129	125.9	124.75	0.13	26.60	112.01	238.13	26.99	91.29	15.41	1.56	10.55	1.26	5.22	0.99	2.38	0.27	2.38	0.25	43.41	2.60	11.67	504.52	682.16		
SMDH 00129	2.3	2.02	0.00	0.30	1.16	2.44	0.30	1.16	0.29	0.28	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.28	0.26	0.29	14.32	592.71		
SMDH 00130	111.2	67.56	0.09	52.47	30.62	78.85	10.48	43.91	14.37	1.68	13.96	2.18	10.99	1.86	3.57	0.27	2.58	0.25	5.33	1.25	2.95	137.78	549.02		
SMDH 00130	149.5	147.19	0.09	32.88	138.33	287.49	31.68	107.47	18.63	1.12	12.71	1.38	6.66	1.10	2.81	0.27	2.79	0.25	54.85	2.81	10.61	467.11	399.76		
SMDH 00130	102.0	109.45	0.09	15.35	95.94	203.89	24.09	80.89	13.11	1.34	8.62	0.80	3.66	0.27	1.40	0.27	1.45	0.25	37.74	1.77	12.74	523.57	630.15		
SMDH 00130	114.9	108.41	0.07	28.53	99.90	209.37	23.25	78.58	14.37	1.23	9.65	1.03	5.55	0.99	2.70	0.27	2.38	0.25	39.44	2.50	10.61	458.60	394.04		
SMDH 00130	105.7	104.37	0.10	21.88	94.90	193.16	21.93	77.42	13.57	1.34	8.17	0.80	4.22	0.66	2.70	0.27	2.07	0.25	39.78	1.98	11.91	526.27	697.76		
SMDH 00130	11.6	9.55	0.07	2.90	9.55	14.62	2.05	6.93	0.92	1.23	0.68	0.29	0.28	0.27	0.27	0.27	0.26	0.25	1.70	0.26	7.90	342.97	513.83		
SMDH 00130	61.0	67.96	0.06	6.89	62.29	124.43	14.94	50.84	8.28	1.12	4.43	0.29	1.89	0.27	0.65	0.27	0.62	0.25	22.21	0.83	7.55	297.72	524.58	0.90	
SMDH 00130	100.7	114.14	0.13	10.16	93.96	203.52	25.06	85.51	13.34	1.45	7.72	0.69	2.89	0.27	0.76	0.27	0.62	0.25	38.76	1.25	13.92	563.69	876.15		
SMDH 00130	49.5	55.27	0.09	4.96	49.37	99.32	12.17	41.60	6.67	1.45	3.86	0.29	1.22	0.27	0.27	0.27	0.26	0.25	18.13	0.73	10.38	438.20	716.66		1.59
SMDH 00130	120.0	114.62	0.13	28.05	96.18	202.18	24.58	84.36	12.76	1.90	7.83	0.92	4.77	1.10	2.92	0.27	3.30	0.50	37.85	1.35	13.92	568.69	792.42		
SMDH 00130	92.3	96.55	0.12	16.20	99.67	206.93	21.93	70.49	12.65	1.45	7.38	0.92	3.22	0.66	1.84	0.27	2.38	0.25	32.98	1.77	12.03	497.23	694.47	0.77	
SMDH 00131	59.8	55.68	0.05	15.60	51.23	105.66	12.29	40.44	7.13	0.78	4.54	0.29	2.66	0.27	1.94	0.27	1.45	0.25	19.27	1.15	11.20	427.80	316.03		
SMDH 00131	103.2	101.02	0.10	22.85	93.96	190.85	22.05	73.96	12.76	1.34	7.72	0.80	4.22	0.77	2.92	0.27	2.27	0.25	37.63	1.77	17.45	671.62	547.64		
SMDH 00131	79.3	81.23	0.08	14.39	72.42	149.05	17.35	60.09	10.92	1.01	5.79	0.69	3.11	0.27	1.84	0.27	1.34	0.25	31.39	1.15	8.73	307.71	510.19		
SMDH 00131	74.5	74.22	0.09	15.11	74.52	149.53	16.02	55.47	8.51	1.23	4.65	0.29	2.44	0.27	2.05	0.27	1.65	0.25	28.33	0.94	10.61	410.51	599.12	1.14	1.60
SMDH 00131	90.5	94.88	0.09	14.99	88.49	181.59	20.48	70.49	12.99	1.12	7.04	0.69	3.22	0.55	2.05	0.27	1.55	0.25	38.31	1.35	10.50	367.69	552.32		
SMDH 00131	91.9	89.24	0.13	20.79	82.20	169.03	19.40	64.71	12.99	1.23	8.17	0.80	4.33	0.66	2.81	0.27	2.38	0.25	35.59	1.56	8.37	334.32	702.10		
SMDH 00131	87.4	87.05	0.10	18.13	77.90	161.11	18.91	63.56	12.53	1.12	7.04	0.80	3.77	0.66	2.27	0.27	1.76	0.25	34.91	1.46	8.37	327.70	669.33		1.41
SMDH 00131	84.3	86.60	0.09	15.47	78.71	166.23	18.91	63.56	11.73	1.12	7.26	0.80	3.33	0.55	1.73	0.27	1.34	0.25	35.59	1.35	10.61	392.41	741.97	1.23	
SMDH 00131	103.0	115.80	0.05	11.24	116.32	235.45	25.78	86.67	14.37	1.79	7.94	0.69	2.66	0.27	1.40	0.27	0.72	0.25	47.03	0.94	5.66	208.70	505.51		
SMDH 00131	115.4	128.22	0.05	12.81	121.44	246.30	27.47	97.07	13.34	1.79	8.17	0.69	3.00	0.27	1.40	0.27	0.93	0.25	51.68	0.94	5.66	240.71	607.96		1.41
SMDH 00131	96.3	107.39	0.04	10.40	107.35	206.57	23.37	80.89	11.04	1.90	6.92	0.57	2.55	0.27	1.19	0.27	0.52	0.25	40.57	0.73	3.77	162.10	404.44		
SMDH 00132	115.2	105.94	0.08	29.50	94.20	189.26	21.44	78.58	11.73	1.23	9.08	1.03	4.88	0.99	3.13	0.27	2.79	0.25	36.95	2.19	12.50	529.38	386.07	1.86	
SMDH 00132	61.7	64.92	0.07	9.67	63.81	130.40	14.22	48.53	8.62	1.34	4.77	0.29	1.89	0.27	0.76	0.27	0.72	0.25	24.03	1.15	8.37	363.50	512.62		1.48
SMDH 00132	36.3	36.37	0.06	6.89	33.88	69.10	7.95	26.58	4.02	1.01	3.06	0.29	1.55	0.27	0.54	0.27	0.62	0.25	13.37	0.73	6.01	264.08	438.25		
SMDH 00132	50.8	51.72	0.07	9.31	48.79	99.81	11.08	38.13	7.70	0.89	4.43	0.29	2.22	0.27	0.65	0.27	0.26	0.25	19.38	1.04	8.14	354.72	537.75		
SMDH 00132	49.1	39.58	0.09	16.56	36.33	74.10	8.07	28.89	4.14	1.01	3.86	0.29	2.33	0.55	1.94	0.27	1.96	0.25	13.37	0.94	5.31	217.34	443.62		
SMDH 00132	98.5	76.20	0.13	36.75	67.77	136.01	15.54	54.31	8.74	1.12	6.47	0.80	5.55	1.10	4.54	0.27	3.82	0.25	25.16	1.87	7.19	294.61	707.12		
SMDH 00132	109.9	92.96	0.14	34.70	79.41	164.65	18.91	67.02	13.80	1.12	8.40	1.03	5.99	1.21	3.03	0.64	3.41	0.25	33.77	2.50	8.02	330.68	670.55		
SMDH 00132	87.7	75.81	0.13	26.48	68.46	139.54	15.66	55.47	9.08	1.12	6.13	0.69	3.99	0.77	2.92	0.27	2.79	0.25	26.63	1.67	8.37	352.96	649.57	0.96	1.47
SMDH 00132	95.7	73.41	0.15	35.78	62.06	130.40	14.46	53.16	8.16	1.01	6.47	0.80	4.99	1.10	4.11	0.53	4.23	0.25	24.82	1.46	7.08	286.23	639.17		
SMDH 00132	128.4	107.50	0.15	41.10	93.61	192.19	21.56	78.58	11.84	1.34	9.31	1.15	6.21	1.31	4.97	0.64	4.65	0.50	37.51	2.08	11.32	558.96	641.77		
SMDH 00132	109.7	80.27	0.18	45.21	77.20	159.65	17.11	55.47	10.23	1.34	7.72	1.15	6.55	1.42	5.94	0.85	5.68	0.70	28.22	2.08	7.55	303.52	647.14		1.35
SMDH 00132	212.3	162.45	0.30	82.09	166.04	341.48	34.82	113.24	21.73	2.57	14.53	2.30	12.10	2.63	10.26	1.49	9.60	1.31	51.57	4.27	13.92	600.97	1282.15	0.78	
SMDH 00132	76.0	58.23	0.13	29.01	57.05	115.90	12.77	40.44	8.05	1.56	5.33	0.80	4.22	0.88	3.57	0.53	2.89	0.25	20.85	1.56	8.25	344.05	577.63		
SMDH 00133	38.2	36.20	0.05	8.58	31.44	53.26	7.23	26.58	4.83	0.67	3.18	0.29	2.11	0.27	0.97	0.27	0.93	0.25	11.45	0.73	3.89	170.07	225.71		1.53
SMDH 00133	48.3	42.96	0.06	13.66	35.86	54.72	9.04	31.20	5.63	0.67	3.97	0.29	2.44	0.55	1.08	0.27	1.03	0.25	13.37	1.04	4.48	192.89	313.43		
SMDH 00133	68.1	67.13	0.08	14.63	54.61	85.92	14.58	48.53	8.28	0.89	6.13	0.69	3.33	0.66	1.40	0.27	0.93	0.25	21.53	2.08	2.36	111.85	372.89	2.01	
SMDH 00133	339.3	389.39	0.06	34.45	334.29	528.79	86.38	290.04	50.01	1.79	32.34	2.98	9.99	1.31	2.49	0.27	1.14	0.25	140.31	13.22	2.48	98.74	1277.64		1.42
SMDH 00133	137.0	156.63	0.03	13.18	139.02	206.69	34.21	116.71	20.12	1.45	12.71	1.26	4.44	0.55	1.08	0.27	0.26	0.25	56.21	5.94	1.77	76.73	828.82		
SMDH 00133	48.9	42.41	0.13	14.14	34.12	53.14	8.79	30.04	5.17	1.12	4.54	0.57	3.00	0.27	1.30	0.27	1.14	0.25	11.79	1.67	2.00	92.12	448.82	1.95	
SMDH 00133	37.5	32.50	0.15	11.73	27.71	55.21	7.71	21.96	3.91	1.01	2.95	0.29	2.55	0.27	1.08	0.27	1.24	0.25	9.18	1.15	3.54	135.22	389.19		
SMDH 00133	40.3	28.19	0.16	18.38	19.79	50.33	7.35	17.33	3.91	1.12	3.52	0.29	3.22	0.66	1.73	0.27	1.45	0.25	5.89	1.35	1.89	86.72	472.57		
SMDH 00133	122.0	123.98	0.08	21.88	112.94	238.99	25.06	92.44	15.87	1.23	10.67	1.15	5.33	0.77	1.51	0.27	1.34	0.25	52.81	6.14	2.83	105.36	724.46		1.31
SMDH 00133	125.1	129.14	0.12	20.91	115.50	237.04	26.26	97.07	17.25	1.34	9.99	1.15	4.66	0.77	1.51	0.27	1.76	0.25	54.51	3.54	2.59	113.06	656.68	1.18	
SMDH 00133	92.8	92.35	0.13	18.74	83.72	173.42	19.15	68.18	11.15	0.89	8.28	0.80	4.22	0.55	1.51	0.27	1.55	0.25	39.89	2.81	2.83	114.41	591.15		
SMDH 00133	26.9	17.31	0.21	12.09	13.74	28.40	3.25	11.56	2.53	0.78	2.04	0.29	2.22	0.27	0.86	0.27	1.03	0.25	4.19	1.15	1.65	66.05	446.39		1.37
SMDH 00133	31.3	18.68	0.21	14.87	12.11	26.69	3.13	12.71	3.10	0.89	2.61	0.29	2.55	0.55	1.40	0.27	1.45	0.25	3.40	1.15	1.42	57.14	425.25		
SMDH 00133	59.9	43.26	0.19	24.06	37.14	74.22	8.31	30.04	5.29	0.89	4.09	0.69	4.22	0.77	1.94	0.27	2.38	0.25	12.35	1.56	2.95	104.55	467.37	1.32	
SMDH 00133	39.8	26.45	0.25	16.80	18.05	38.75	4.46	18.49	3.68	1.01	3.06	0.29	3.22	0.55	1.51	0.27	1.65	0.25	5.89	1.35	2.00	67.68	481.41		
SMDH 00133	36.6	23.67	0.17	16.20	15.84	35.22	4.10	16.18	2.99	0.78	3.52	0.29	3.11	0.55	1.19	0.27	1.24	0.25	5.55	1.15	2.95	117.65	383.29		
SMDH 00133	74.8	60.04	0.07	25.51	52.28	109.44	11.93	42.76	7.13	1.23	5.45	0.80	4.55	0.99	2.16	0.27	2.99	0.25	23.91	2.60	6.60	288.67	387.97		
SMDH 00134	167.1	142.74	0.13	52.83	127.03	272.38	30.24	101.69	18.51	1.79	11.35	1.61	9.21	1.75	4.75	0.85	5.16	0.80	48.96	3.23	22.76	944.61	756.01		1.32
SMDH 00134	124.5	101.44	0.16	42.55	88.03	189.02	21.32	71.64	13.11	1.79	8.40	1.26	7.21	1.42	4.97	0.64	4.13	0.60	31.96	2.19	10.26	433.20	876.32		
SMDH 00134	72.6	64.17	0.10	20.43	55.42	116.51	13.37	46.22	8.28	1.34	5.11	0.69	3.88	0.77	1.73	0.27	1.65	0.25	20.17	1.46	5.42	218.96	573.12		
SMDH 00134	54.3	44.38	0.09	18.01	38.66	82.63	9.28	31.20	6.09	1.23	3.86	0.57	3.33	0.66	1.51	0.27	1.55	0.25	13.71	0.83	6.72	280.29	406.70		1.39
SMDH 00134	62.8	51.69	0.09	20.31	44.13	92.50	10.48	36.98	6.90	1.23	4.31	0.57	3.66	0.66	1.84	0.27	1.65	0.25	15.41	0.73	7.19	297.18	377.92		
SMDH 00134	89.9	76.59	0.14	27.44	65.55	140.39	15.66	55.47	9.89	1.56	6.36	0.80	4.66	0.88	2.49	0.27	2.38	0.25	24.82	0.94	8.84	360.80	673.84		
SMDH 00134	67.9	55.77	0.13	22.37	48.55	104.20	11.69	39.29	7.93	1.45	4.77	0.69	4.11	0.77	2.05	0.27	1.76	0.25	17.79	0.73	7.31	317.84	652.34	0.40	1.37
SMDH 00135	93.4	72.70	0.14	34.21	65.55	134.54	15.06	50.84	9.31	1.56	6.81	0.92	5.88	1.21	3.89	0.53	3.41	0.25	23.91	1.77	8.37	382.55	1007.38		
SMDH 00135	87.5	66.25	0.14	34.09	57.64	117.60	14.34	46.22	8.74	1.45	6.01	0.92	4.77	1.21	3.24	0.27	2.99	0.25	22.33	1.77	9.79	399.16	800.91	1.98	
SMDH 00135	69.3	52.02	0.13	26.48	44.01	95.67	10.36	36.98	6.44	1.12	5.45	0.69	3.99	0.88	3.13	0.27	2.68	0.25	16.32	1.15	6.96	293.26	714.92		1.70
SMDH 00135	82.5	72.80	0.12	24.06	64.62	134.42	15.78	52.00	8.97	1.45	6.47	0.80	4.22	0.77	2.70	0.27	2.38	0.25	24.48	1.35	11.67	474.94	626.51	2.40	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00135	96.3	87.82	0.16	26.35	81.39	166.47	19.40	62.40	10.46	1.56	7.38	0.92	5.10	0.99	3.13	0.27	2.89	0.25	29.35	1.04	8.96	377.01	677.48		
SMDH 00135	85.9	69.26	0.13	29.98	63.34	135.64	14.82	48.53	8.05	1.45	6.13	0.80	5.10	0.99	3.67	0.27	3.20	0.25	24.03	0.83	7.78	342.29	815.47		
SMDH 00135	85.2	83.06	0.13	18.74	71.84	158.19	17.95	60.09	10.58	1.34	7.60	0.80	4.22	0.77	2.38	0.27	1.76	0.25	28.90	1.67	10.26	437.12	728.97	0.61	
SMDH 00135	60.2	57.70	0.09	13.42	52.98	113.22	12.53	41.60	8.05	1.56	5.22	0.69	2.89	0.27	1.62	0.27	1.14	0.25	20.85	1.04	9.43	425.77	615.76		1.63
SMDH 00135	89.5	83.61	0.11	22.12	72.89	151.97	17.35	61.24	10.12	1.12	7.04	0.80	4.22	0.77	2.70	0.27	2.58	0.25	27.54	1.46	9.43	392.41	706.95		
SMDH 00135																									
SMDH 00135	84.5	73.52	0.10	26.11	65.67	134.67	16.50	52.00	9.31	1.34	6.36	0.80	4.22	0.88	2.27	0.27	2.17	0.25	24.25	1.35	8.25	357.42	613.51		1.55
SMDH 00135	126.3	106.64	0.13	41.10	93.85	193.04	23.01	76.27	13.80	1.56	8.51	1.15	6.21	1.53	4.97	0.64	4.54	0.60	35.13	1.87	11.79	522.76	647.32		1.54
SMDH 00135	88.2	87.70	0.10	19.10	79.99	165.01	20.12	63.56	10.35	1.56	6.47	0.80	3.22	0.66	1.73	0.27	1.76	0.25	31.96	1.35	9.20	379.30	720.82		
SMDH 00136	70.9	61.87	0.08	21.76	56.24	123.58	13.49	43.91	8.05	0.78	4.88	0.69	3.77	0.77	2.05	0.27	1.96	0.25	21.99	1.46	8.37	369.58	421.60		
SMDH 00136	60.6	48.11	0.11	21.88	42.50	88.72	10.36	33.51	6.21	1.01	3.86	0.57	3.66	0.77	2.16	0.27	2.07	0.25	15.87	1.46	6.84	285.42	508.11		
SMDH 00136	74.9	57.84	0.13	27.93	51.46	103.47	12.05	40.44	7.47	1.23	4.65	0.69	4.66	0.88	2.59	0.27	2.58	0.25	17.23	1.56	7.43	325.95	554.74		1.58
SMDH 00136	111.0	93.79	0.15	35.18	81.39	169.15	19.64	67.02	11.61	1.68	7.15	1.03	6.10	1.21	3.13	0.53	3.20	0.25	31.05	1.77	10.97	449.41	862.80		
SMDH 00136	133.7	115.33	0.15	41.47	100.60	217.05	24.70	82.04	14.83	1.56	8.74	1.26	7.32	1.42	4.11	0.64	4.13	0.70	41.03	2.60	22.29	945.15	838.70		1.31
SMDH 00136	147.8	135.13	0.15	40.14	117.95	255.07	29.03	97.07	16.90	1.56	10.33	1.26	7.77	1.42	3.89	0.64	3.61	0.50	48.05	2.92	23.82	1016.48	816.51		
SMDH 00136	212.8	205.25	0.14	50.78	179.08	394.49	44.69	149.07	26.44	1.45	15.89	1.95	9.54	1.64	4.32	0.64	4.13	0.60	76.50	4.37	36.91	1560.04	750.81	1.96	
SMDH 00136	293.7	292.31	0.13	62.87	255.46	558.41	63.25	213.78	37.14	1.79	22.13	2.52	12.76	2.08	5.40	0.74	4.75	0.70	110.50	5.41	40.10	1695.79	816.34		1.35
SMDH 00136	312.0	321.60	0.11	59.00	283.17	620.32	70.35	235.73	40.93	1.79	24.29	2.75	12.76	1.97	4.75	0.64	3.61	0.50	126.37	5.52	14.39	603.54	704.35		
SMDH 00136	97.2	96.79	0.09	19.58	87.56	186.46	20.72	70.49	13.34	1.56	8.28	1.03	4.55	0.66	1.51	0.27	1.03	0.25	32.53	2.50	8.02	324.73	691.52		
SMDH 00136	79.5	75.14	0.09	18.98	67.88	144.78	16.14	54.31	10.35	1.56	6.36	0.80	3.88	0.66	1.62	0.27	1.34	0.25	25.61	1.87	7.19	297.18	577.45	1.72	1.37
SMDH 00136	58.0	55.59	0.08	12.69	49.95	107.61	11.69	40.44	8.28	1.45	5.22	0.57	2.89	0.27	0.97	0.27	0.62	0.25	18.93	1.77	6.84	277.18	568.96		
SMDH 00136	7.6	8.03	0.01	0.97	6.75	12.07	1.69	5.78	0.80	0.28	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	1.93	0.26	1.42	83.88	27.56		
SMDH 00136	77.7	79.05	0.14	15.11	72.89	157.70	17.59	57.78	10.23	1.12	6.01	0.69	3.00	0.27	1.40	0.27	1.45	0.25	28.79	1.98	10.26	404.83	757.22		1.37
SMDH 00136	115.9	107.24	0.19	30.10	91.87	201.21	23.01	77.42	13.57	1.56	9.19	1.15	5.66	1.10	2.70	0.27	3.41	0.50	38.99	2.92	9.08	379.71	842.17	0.75	
SMDH 00136	95.2	86.17	0.16	25.99	76.15	165.01	18.79	61.24	11.50	1.79	7.60	0.92	5.22	0.88	2.16	0.27	2.17	0.25	31.62	2.50	6.96	283.67	798.48		
SMDH 00136	105.1	89.85	0.17	32.76	78.59	168.18	19.15	63.56	12.19	1.68	8.06	1.03	6.10	1.10	2.92	0.27	2.99	0.25	33.21	2.71	9.55	376.47	776.64		1.42
SMDH 00136	105.1	89.85	0.17	32.76	78.59	168.18	19.15	63.56	12.19	1.68	8.06	1.03	6.10	1.10	2.92	0.27	2.99	0.25	33.21	2.71	9.55	376.47	776.64		1.42
SMDH 00137	106.4	91.78	0.09	31.19	86.86	153.19	17.95	67.02	11.96	1.34	8.17	1.03	5.77	0.99	2.70	0.27	2.58	0.25	28.90	2.08	11.56	496.55	1139.48	1.56	
SMDH 00137	94.3	80.84	0.12	27.44	75.33	140.15	15.18	60.09	9.77	1.23	6.70	0.80	4.77	0.88	2.38	0.27	2.48	0.25	28.11	1.98	9.67	426.99	1243.84		
SMDH 00137	176.1	168.22	0.22	41.59	165.69	325.51	36.02	122.49	20.58	2.35	12.48	1.61	8.10	1.42	3.78	0.64	3.92	0.50	47.49	2.81	18.28	744.56	1310.58		1.48
SMDH 00137	91.7	78.37	0.18	28.29	77.90	145.15	16.50	56.62	8.74	1.56	5.56	0.80	4.44	0.88	2.27	0.27	2.68	0.25	23.12	1.67	9.55	415.24	712.15		
SMDH 00137	85.2	63.65	0.20	33.61	61.71	115.65	13.61	43.91	7.82	1.56	5.45	0.80	5.33	0.99	2.92	0.27	3.20	0.25	18.25	1.25	7.67	338.92	780.97	0.36	
SMDH 00137	90.6	62.90	0.20	38.69	62.53	117.97	12.53	43.91	7.13	1.56	5.11	0.80	5.66	1.21	3.35	0.64	3.51	0.50	19.83	1.46	10.02	437.93	731.39		1.50
SMDH 00137	93.4	81.06	0.18	28.41	72.19	150.63	17.59	57.78	9.77	1.56	6.47	0.92	4.77	0.99	2.59	0.27	2.79	0.25	25.61	1.56	7.31	343.51	789.99		
SMDH 00137	92.8	67.81	0.20	37.24	65.90	125.04	13.85	47.38	7.47	1.56	5.56	0.80	5.77	1.21	3.24	0.53	3.72	0.25	23.35	1.35	9.79	403.21	682.85		
SMDH 00137	84.8	68.55	0.20	28.89	65.55	125.65	14.22	48.53	8.28	1.56	6.13	0.80	4.99	0.88	2.59	0.27	2.68	0.25	18.70	1.46	8.96	390.11	846.33	0.24	1.48
SMDH 00137	83.2	73.37	0.17	23.57	70.79	137.83	15.42	53.16	8.39	1.68	5.67	0.69	4.11	0.66	1.94	0.27	2.07	0.25	22.10	1.35	9.32	396.87	734.69		
SMDH 00137	110.8	87.85	0.20	39.65	84.42	157.94	18.43	62.40	9.77	1.68	6.92	0.92	6.10	1.21	3.89	0.74	5.06	0.70	26.29	1.46	10.02	435.63	728.10		
SMDH 00137	88.5	64.45	0.17	35.78	61.83	116.26	13.25	45.07	7.70	1.56	5.45	0.80	5.33	1.10	2.92	0.53	3.41	0.25	18.70	1.25	7.90	333.38	679.39		1.47
SMDH 00137	93.9	81.87	0.20	27.93	78.94	153.68	17.47	58.93	9.20	1.56	6.36	0.80	4.66	0.88	2.49	0.27	2.79	0.25	26.07	1.46	8.84	365.93	766.07	0.22	
SMDH 00137	93.9	81.87	0.20	27.93	78.94	153.68	17.47	58.93	9.20	1.56	6.36	0.80	4.66	0.88	2.49	0.27	2.79	0.25	26.07	1.46	8.84	365.93	766.07	0.22	
SMDH 00138	17.0	16.00	0.07	3.02	16.07	31.81	3.49	11.56	1.84	1.45	1.13	0.29	0.67	0.27	0.27	0.27	0.26	0.25	4.99	0.26	7.90	350.40	419.18	2.37	1.54
SMDH 00138	92.1	83.45	0.09	24.54	73.24	171.96	16.75	61.24	10.23	0.89	6.24	0.80	4.66	0.88	2.05	0.27	2.27	0.25	29.58	2.19	14.15	594.49	754.80	1.01	1.48
SMDH 00138	155.1	130.84	0.15	48.60	121.33	223.39	26.38	94.76	15.75	2.01	9.99	1.38	8.32	1.64	3.78	0.74	4.13	0.60	38.76	2.60	14.51	600.43	877.71		
SMDH 00138	84.7	69.39	0.13	28.53	65.09	123.45	14.58	49.69	9.08	1.34	5.67	0.69	4.44	0.88	2.59	0.27	2.79	0.25	22.44	1.56	7.55	310.68	557.00		
SMDH 00138	94.0	71.54	0.12	35.66	64.51	123.58	14.46	50.84	8.51	1.23	6.01	0.80	5.44	1.10	3.24	0.53	3.30	0.50	21.31	1.67	8.73	347.43	576.41		1.44
SMDH 00138	117.2	98.59	0.14	38.20	92.57	178.05	20.96	70.49	12.42	1.34	7.72	1.03	6.10	1.21	3.57	0.53	3.41	0.50	31.51	1.98	10.02	416.59	686.84	0.43	
SMDH 00138	102.8	81.58	0.13	36.99	73.82	147.10	17.23	57.78	10.00	1.45	6.70	0.92	5.66	1.10	3.24	0.53	3.41	0.25	25.05	2.40	8.49	350.80	678.35		1.40
SMDH 00138	115.6	83.13	0.16	48.12	76.73	149.41	17.11	57.78	10.46	1.45	6.81	1.03	7.21	1.42	4.32	0.85	4.75	0.70	25.27	2.60	9.91	410.64	726.89		
SMDH 00138	97.2	73.76	0.13	37.24	70.33	133.33	15.30	52.00	9.31	1.45	5.56	0.80	5.66	1.10	3.46	0.64	3.72	0.50	22.78	1.35	9.55	403.48	751.16	0.36	
SMDH 00138	92.0	67.50	0.13	37.11	63.81	120.41	14.22	47.38	7.93	1.56	5.11	0.69	5.22	1.21	3.46	0.64	3.82	0.50	20.29	1.25	6.49	268.94	638.30		1.52
SMDH 00138	116.5	85.25	0.16	47.39	79.53	152.82	17.47	60.09	10.58	1.34	6.81	1.03	6.66	1.42	4.32	0.74	4.54	0.60	26.52	1.77	8.61	363.50	747.52		
SMDH 00138	95.6	73.27	0.13	35.66	69.98	131.86	14.70	52.00	8.97	1.34	6.36	0.92	5.66	1.10	3.13	0.53	3.30	0.50	22.55	1.77	8.37	366.07	611.60		
SMDH 00138	130.8	105.75	0.12	45.70	91.17	189.51	22.17	75.11	13.34	1.56	8.97	1.15	7.32	1.64	4.32	0.64	4.44	0.60	36.49	2.71	10.61	435.90	303.90		
SMDH 00138	101.7	80.99	0.13	36.15	73.94	144.29	16.75	57.78	9.77	1.34	6.24	0.80	5.66	1.10	3.35	0.53	3.41	0.50	25.61	2.08	7.67	324.73	672.28	0.27	1.41
SMDH 00138	113.2	83.40	0.16	46.06	79.87	153.19	17.71	57.78	10.35	1.45	7.04	1.03	6.88	1.42	4.00	0.74	4.34	0.60	26.63	3.12	8.84	359.99	725.67		
SMDH 00138	103.1	80.03	0.13	37.96	70.68	144.54	16.38	56.62	9.77	1.45	6.47	0.92	6.10	1.31	3.78	0.64	3.72	0.50	23.12	1.98	7.78	330.14	1130.81		
SMDH 00138	115.2	88.87	0.14	43.88	83.83	163.91	18.67	62.40	11.73	1.12	7.49	1.03	6.77	1.31	4.11	0.64	4.23	0.60	28.90	1.87	8.73	374.98	713.54		1.53
SMDH 00139	52.7	50.98	0.06	11.24	44.25	89.70	10.12	38.13	6.55	0.56	3.52	0.29	2.44	0.27	0.97	0.27	1.03	0.25	23.69	1.46	6.25	262.73	563.76		1.29
SMDH 00139	86.0	78.98	0.15	22.97	67.18	151.24	17.23	56.62	10.92	1.23	6.24	0.80	4.33	0.77	1.94	0.27	2.17	0.25	36.38	2.08	8.96	374.71	894.52	2.67	
SMDH 00139	115.9	124.21	0.09	15.72	124.12	267.38	26.14	93.60	14.26	2.12	7.83	0.80	3.66	0.55	1.19	0.27	1.24	0.25	33.43	1.25	11.79	488.72	657.20		
SMDH 00139	152.3	154.59	0.11	28.05	133.55	280.91	31.44	115.56	20.12	1.12	11.46	1.38	6.21	0.99	2.16	0.27	2.27	0.25	60.41	2.60	12.03	508.44	622.18		1.45
SMDH 00139	123.8	123.32	0.10	24.42	114.11	227.29	25.30	92.44	14.72	1.34	8.17	0.92	4.66	0.88	2.05	0.27	2.48	0.25	40.35	1.46	10.50	426.45	670.89		
SMDH 00139	84.3	76.75	0.10	22.00	69.86	144.17	15.78	56.62	9.31	1.34	5.11	0.69	3.66	0.77	1.94	0.27	2.38	0.25	26.97	1.15	12.26	516.14	665.00	0.59	
SMDH 00139	9.8	8.27	0.05	2.30	10.48	18.16	1.93	5.78	1.03	1.12	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	1.70	0.26	7.55	331.89	413.46		1.65
SMDH 00139	10.0	8.15	0.04	2.18	9.90	17.06	1.81	5.78	0.69	1.45	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.91	0.26	5.42	233.82	364.74		
SMDH 00140	215.4	216.70	0.11	44.73	189.79	420.82	47.22	158.31	29.66	1.23	17.25	1.95	9.21	1.42	3.35	0.64	3.61	0.25	91.12	4.37	37.62	1571.25	819.63		
SMDH 00140	116.5	108.96	0.13	28.77	93.85	224.85	22.53	79.73	14.49	1.34	8.74	1.15	5.55	0.99	2.16	0.27	2.38	0.25	46.58	2.29	14.03	568.96	902.84	2.56	
SMDH 00140	107.4	108.21	0.13	21.04	96.76	202.79	23.01	79.73	12.99	1.12	8.06	0.92	4.55	0.77	1.73	0.27	1.76	0.25	45.56	1.98	11.56	471.02	592.88	2.56	
SMDH 00140	126.0	111.19	0.11	36.87	100.83	197.67	24.09	79.73	14.95	2.01	8.97	1.15	6.21	1.10	2.59	0.27	2.58	0.25	42.61	1.67	10.26	416.05	603.28		1.48
SMDH 00140	112.3	110.71	0.13	21.52	102.93	206.33	21.44	84.36	11.73	1.56	7.15	0.80	4.11	0.77	1.94	0.27	1.96	0.25	37.85	1.98	9.67	401.59	657.89	1.39	1.65
SMDH 00140	54.3	51.13	0.07	12.57	45.41	94.81	11.20	36.98	6.67	1.79	3.86	0.29	2.66	0.27	1.08	0.27	1.14	0.25	18.93	1.04	5.42	220.72	443.10		
SMDH 00140	107.8	86.43	0.09	38.44	70.68	152.34	18.43	60.09	12.07	1.34	7.38	1.03	6.88	1.31	2.92	0.53	3.20	0.25	34.34	1.98	8.14	332.43	563.76		
SMDH 00140	130.5	110.46	0.16	40.02	96.53	197.55	21.20	80.89	13.68	1.23	8.06	1.26	7.10	1.31	3.89	0.64	3.92	0.60	40.23	2.29	13.56	580.98	645.93		
SMDH 00140	100.1	86.68	0.12	29.74	70.09	171.35	17.59	62.40	11.38	1.23	7.94	1.15	5.55	0.99	2.59	0.27	2.48	0.25	38.76	1.87	10.14	416.72	577.11		
SMDH 00140	95.6	81.52	0.13	28.17	70.21	144.42	15.30	60.09	9.77	1.23	6.13	0.92	5.22	0.99	2.49	0.27	2.68	0.25	31.39	1.56	9.67	385.92	693.78		1.71

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00140	127.5	121.21	0.12	27.20	107.00	216.68	22.41	92.44	14.95	1.45	8.51	1.15	5.22	0.99	2.38	0.27	2.17	0.25	43.29	1.35	10.26	433.61	604.15	1.13	
SMDH 00140	67.6	61.38	0.06	17.89	52.63	109.20	13.01	43.91	8.51	1.34	4.99	0.69	3.77	0.66	1.40	0.27	1.24	0.25	21.76	0.73	5.90	252.46	486.79	0.30	1.50
SMDH 00140	98.5	99.98	0.09	19.10	88.61	188.41	22.05	72.80	13.34	1.45	7.49	0.92	4.22	0.66	1.51	0.27	1.55	0.25	41.03	1.25	8.73	360.93	723.94		
SMDH 00140	119.1	113.94	0.13	29.86	93.73	198.40	26.14	80.89	14.49	1.45	8.97	1.03	5.88	1.10	2.59	0.27	2.89	0.25	44.77	1.56	8.25	353.64	744.74		
SMDH 00141	147.2	145.00	0.05	29.98	130.29	256.17	28.79	108.62	19.09	1.01	11.46	1.26	6.33	1.10	2.27	0.27	1.96	0.25	58.71	2.60	18.28	774.14	1015.18	0.58	
SMDH 00141	118.1	104.03	0.12	33.85	86.40	187.68	21.44	75.11	14.72	1.68	9.31	1.15	6.33	1.10	2.59	0.27	2.58	0.25	39.89	1.56	10.61	446.98	628.25		1.34
SMDH 00141	141.8	121.22	0.13	44.13	101.88	209.49	25.18	86.67	17.59	1.68	11.24	1.49	7.88	1.42	3.24	0.53	3.20	0.25	46.81	1.77	11.44	479.67	689.96		
SMDH 00141	117.8	104.13	0.12	33.25	85.93	188.65	21.32	75.11	14.72	1.79	9.31	1.26	6.44	1.10	2.59	0.27	2.27	0.25	40.01	1.25	9.08	382.95	557.52		
SMDH 00141	117.3	122.91	0.11	19.10	107.82	237.04	26.26	91.29	15.64	1.56	9.31	1.03	4.33	0.66	1.40	0.27	1.34	0.25	48.05	1.25	11.79	519.79	549.20	0.66	1.55
SMDH 00141	128.2	124.45	0.12	28.05	107.00	235.70	26.02	91.29	16.90	1.68	10.67	1.26	5.88	0.88	2.05	0.27	2.17	0.25	49.41	1.46	9.91	408.75	696.90		
SMDH 00141	120.7	127.72	0.17	22.49	121.21	276.89	31.44	90.13	18.74	1.90	12.37	1.15	4.99	0.77	2.38	0.27	1.55	0.25	52.59	1.25	10.14	554.64	620.27		
SMDH 00141	37.5	38.83	0.06	5.32	37.73	77.39	8.43	28.89	5.06	1.79	2.95	0.29	1.22	0.27	0.27	0.27	0.26	0.25	13.94	0.26	6.01	248.14	420.22		
SMDH 00141	132.2	128.62	0.20	32.64	113.64	266.41	30.72	88.98	19.89	1.68	15.09	1.49	7.44	1.21	3.24	0.27	2.27	0.25	54.63	1.77	10.14	519.52	777.68		
SMDH 00141	108.2	100.36	0.09	27.20	86.05	173.05	21.08	72.80	15.18	1.68	9.53	1.15	5.33	0.99	1.94	0.27	1.76	0.25	40.46	1.46	10.50	427.53	598.78		
SMDH 00141	129.6	112.47	0.12	37.96	93.03	205.47	22.77	80.89	16.67	1.90	10.89	1.38	7.44	1.21	2.70	0.27	2.68	0.25	44.65	1.87	8.96	370.52	657.37		1.59
SMDH 00141	139.9	113.57	0.12	47.27	91.17	206.69	22.65	80.89	16.56	1.68	10.89	1.49	8.54	1.53	3.57	0.64	3.61	0.25	47.15	1.98	8.37	347.29	619.93		
SMDH 00141	117.7	96.06	0.09	39.41	79.53	175.13	19.52	68.18	14.14	1.79	9.19	1.26	7.10	1.21	2.92	0.53	2.99	0.25	36.72	1.56	8.84	359.72	611.60		1.58
SMDH 00142	69.2	66.40	0.08	16.32	55.31	126.99	13.85	48.53	8.97	0.28	5.33	0.69	3.33	0.55	1.40	0.27	1.45	0.25	32.19	1.35	12.85	571.12	486.79		
SMDH 00142	101.3	91.48	0.10	27.44	74.52	179.15	19.03	65.87	12.19	1.45	8.28	1.03	5.55	0.88	2.16	0.27	2.17	0.25	32.30	1.35	12.97	588.00	553.36		1.35
SMDH 00142	86.3	74.49	0.09	24.66	65.44	125.53	14.82	54.31	9.54	2.01	7.26	0.92	4.44	0.88	1.84	0.27	1.65	0.25	22.21	0.83	9.79	399.84	634.66	1.09	
SMDH 00142	116.8	106.48	0.10	31.19	88.26	191.70	22.41	76.27	15.64	1.56	10.10	1.26	6.55	0.99	2.49	0.27	2.17	0.25	44.09	1.56	10.73	519.38	646.28		
SMDH 00142	106.2	106.45	0.09	20.67	90.70	193.04	22.41	78.58	14.49	1.45	8.74	0.92	4.55	0.77	1.73	0.27	1.65	0.25	40.69	1.04	7.55	334.73	674.01		1.45
SMDH 00142	103.0	94.15	0.09	27.08	76.15	166.47	19.40	68.18	12.88	1.12	8.74	1.03	5.55	0.99	2.05	0.27	1.86	0.25	38.76	1.35	9.32	416.05	581.09		
SMDH 00142	126.5	124.01	0.12	26.96	103.39	226.07	26.02	91.29	16.67	1.56	10.55	1.15	5.55	0.99	2.16	0.27	2.07	0.25	48.51	1.67	12.50	572.87	858.46	0.56	
SMDH 00142	110.3	118.98	0.09	15.11	106.07	234.11	25.42	88.98	15.87	1.68	8.97	0.92	3.66	0.55	1.08	0.27	0.93	0.25	46.35	1.25	8.02	342.02	505.51		1.68
SMDH 00142	133.4	126.29	0.13	31.80	105.02	236.67	26.26	92.44	17.48	1.56	10.89	1.26	6.33	1.10	2.59	0.27	2.58	0.25	49.53	1.56	11.91	503.58	690.65		
SMDH 00142	126.5	120.26	0.12	30.22	104.21	229.48	25.30	87.82	16.21	1.34	9.99	1.15	5.99	1.10	2.49	0.27	2.38	0.25	46.92	1.56	11.09	455.49	707.30		
SMDH 00142	122.1	113.10	0.12	30.83	90.70	196.09	23.25	82.04	16.10	1.45	10.21	1.26	6.55	1.10	2.49	0.27	2.27	0.25	45.56	1.46	10.14	414.16	620.62		
SMDH 00142	94.5	85.46	0.09	25.27	71.26	159.53	17.59	62.40	12.30	1.34	7.26	0.92	4.55	0.77	1.94	0.27	1.76	0.25	32.98	1.04	9.20	389.98	386.93		
SMDH 00142	138.4	128.16	0.12	35.42	111.43	242.03	26.86	93.60	17.48	1.68	10.55	1.26	6.44	1.21	2.81	0.27	2.79	0.25	48.73	1.67	11.32	481.56	563.76		1.58
SMDH 00142	142.7	125.07	0.15	41.95	105.37	232.04	25.90	90.13	16.67	1.56	10.55	1.38	7.66	1.42	3.35	0.53	3.51	0.25	48.17	1.46	9.67	403.08	617.84	0.41	
SMDH 00142	125.7	117.79	0.12	30.95	98.16	220.34	24.70	85.51	16.44	1.68	9.99	1.26	6.33	1.10	2.49	0.27	2.38	0.25	47.26	1.87	11.20	475.08	636.57		
SMDH 00142	111.9	104.82	0.15	31.43	93.03	215.34	25.66	72.80	15.18	1.34	11.01	1.03	5.33	0.99	3.46	0.27	2.89	0.25	44.54	1.35	6.72	384.71	607.96		1.52
SMDH 00142	121.8	114.09	0.11	30.22	93.03	211.44	23.97	83.20	16.33	1.45	9.87	1.15	5.77	0.99	2.49	0.27	2.48	0.25	46.69	1.98	9.32	387.00	611.60		1.58
SMDH 00142	118.1	107.55	0.12	31.07	88.96	197.67	22.17	78.58	14.03	1.68	8.85	1.15	5.66	0.99	2.59	0.27	2.79	0.25	41.82	1.77	11.32	478.99	447.26		
SMDH 00143	139.7	143.12	0.06	25.75	116.44	274.69	30.00	106.31	17.94	0.78	10.44	1.26	5.55	0.99	2.16	0.27	2.27	0.25	58.37	2.19	15.80	656.49	403.23	2.88	
SMDH 00143	181.2	178.68	0.13	38.44	144.38	350.86	37.35	131.73	21.85	1.45	12.71	1.61	7.99	1.42	3.13	0.27	3.41	0.25	68.34	2.60	19.10	799.94	592.88		1.38
SMDH 00143	137.8	138.01	0.11	27.08	122.84	244.96	29.03	102.84	16.67	1.79	8.97	1.03	5.10	0.88	2.05	0.27	1.65	0.25	46.13	1.15	7.67	355.26	774.73		
SMDH 00143	140.5	129.88	0.09	35.54	106.89	238.74	26.38	95.91	15.75	1.45	9.99	1.15	6.44	1.21	3.03	0.27	3.10	0.25	47.15	1.67	6.25	270.02	500.66		
SMDH 00143	155.9	144.26	0.13	39.65	114.22	259.22	29.52	105.16	18.51	1.45	11.24	1.49	8.10	1.53	3.46	0.53	4.03	0.50	51.91	2.19	9.79	419.15	819.46	1.11	1.49
SMDH 00143	173.1	165.61	0.13	39.77	129.59	298.46	33.97	122.49	20.24	1.68	11.92	1.38	7.77	1.42	3.46	0.53	3.51	0.25	61.54	2.81	10.50	432.66	682.51		
SMDH 00143	163.3	180.32	0.09	18.86	158.24	359.52	37.83	136.36	20.58	1.90	11.35	1.15	4.99	0.66	1.40	0.27	0.93	0.25	68.57	1.46	12.26	521.95	656.16		
SMDH 00143	140.6	141.79	0.14	32.16	139.14	313.45	34.94	99.38	18.74	1.56	11.01	1.26	6.21	1.10	3.67	0.27	2.58	0.25	54.51	1.46	7.55	399.70	626.34		1.72
SMDH 00143	141.6	126.22	0.14	41.95	110.73	250.69	27.95	90.13	16.10	1.34	10.67	1.26	6.88	1.53	4.43	0.64	3.61	0.50	45.67	1.56	10.61	462.51	685.11		
SMDH 00143	55.9	60.70	0.09	8.95	62.06	137.71	15.66	42.76	7.70	1.90	4.99	0.29	2.00	0.27	0.86	0.27	0.26	0.25	23.23	0.73	6.60	362.55	499.96		
SMDH 00143	76.5	87.49	0.12	9.67	93.50	197.79	22.41	62.40	11.27	1.79	6.24	0.57	2.11	0.27	0.86	0.27	0.52	0.25	31.05	1.04	12.62	682.02	762.25		1.68
SMDH 00143	121.8	141.57	0.12	14.14	140.19	313.45	35.30	101.69	16.67	1.34	10.67	0.92	3.66	0.27	1.40	0.27	0.62	0.25	56.89	1.25	11.67	623.12	796.06		
SMDH 00143	154.7	182.42	0.14	16.56	175.24	398.03	46.14	130.58	22.65	1.90	13.16	1.26	4.44	0.66	1.51	0.27	0.62	0.25	71.40	1.56	11.20	629.47	728.27	0.46	
SMDH 00144	76.7	71.28	0.07	19.58	62.64	130.40	14.82	52.00	8.62	0.67	5.79	0.57	3.88	0.77	2.38	0.27	1.86	0.25	27.43	1.46	10.38	458.60	368.56		
SMDH 00144	127.2	115.24	0.10	34.33	109.80	216.44	23.97	84.36	12.88	1.56	7.94	1.03	5.88	1.10	2.92	0.53	3.20	0.25	37.74	1.77	12.85	579.36	569.82	1.53	1.42
SMDH 00144	139.8	117.94	0.10	44.61	102.81	213.76	24.33	84.36	15.06	1.56	10.10	1.26	7.99	1.53	3.67	0.64	3.92	0.50	40.35	1.98	9.91	441.71	668.99		
SMDH 00144	111.8	107.13	0.09	25.63	97.81	205.96	22.53	78.58	12.76	1.56	8.28	0.92	5.10	0.88	2.59	0.27	2.48	0.25	40.23	1.67	10.85	462.11	541.74		1.65
SMDH 00144	144.5	135.69	0.12	35.06	117.37	251.66	27.95	99.38	16.90	1.68	10.89	1.26	7.10	1.31	3.03	0.27	3.10	0.25	47.49	2.29	9.79	472.64	758.09	0.94	
SMDH 00144	138.2	126.03	0.13	36.99	110.50	239.84	26.26	91.29	15.75	1.45	11.01	1.26	7.21	1.21	3.24	0.53	3.30	0.25	45.79	2.60	12.74	566.12	735.21		
SMDH 00144	115.4	114.12	0.10	23.70	94.31	214.00	23.85	84.36	14.60	1.45	8.62	0.92	4.99	0.88	2.16	0.27	2.48	0.25	39.55	1.87	8.84	373.36	590.28		1.77
SMDH 00144	37.8	37.66	0.05	6.65	35.51	73.97	8.31	27.73	4.02	1.79	2.61	0.29	1.33	0.27	0.54	0.27	0.72	0.25	12.01	0.52	4.60	230.18	376.88		
SMDH 00145	108.2	110.45	0.09	19.83	96.76	202.67	23.01	83.20	12.07	0.89	7.83	0.80	3.44	0.66	1.84	0.27	2.27	0.25	42.39	1.67	13.09	615.56	524.58		
SMDH 00145	166.0	150.84	0.14	44.13	127.50	266.77	30.72	112.09	17.94	1.79	11.92	1.15	6.88	1.53	4.32	0.74	4.85	0.60	53.27	1.77	12.15	562.07	657.20	2.32	
SMDH 00145	160.3	145.70	0.14	42.92	121.56	266.53	29.76	107.47	17.82	1.45	12.14	1.38	7.10	1.53	4.21	0.64	4.85	0.60	54.63	1.77	11.20	510.20	526.66		1.62
SMDH 00145	164.4	151.75	0.13	42.19	127.50	279.57	30.96	112.09	18.40	1.45	12.26	1.26	7.44	1.64	4.54	0.85	5.47	0.70	53.83	1.56	8.49	392.54	512.96		
SMDH 00145	167.7	171.93	0.12	30.83	150.43	324.54	36.74	128.27	19.78	1.68	12.48	1.15	5.77	1.10	2.92	0.27	3.72	0.60	62.90	1.56	9.55	432.66	550.06		
SMDH 00145	168.9	177.32	0.11	27.44	152.41	332.95	37.47	134.04	19.66	1.56	11.69	1.15	4.66	0.99	2.59	0.27	3.20	0.25	64.15	1.56	12.15	575.85	540.18	0.84	1.58
SMDH 00145	148.9	169.45	0.08	14.02	157.07	338.55	36.38	128.27	19.55	1.79	11.01	0.92	3.88	0.27	1.19	0.27	1.03	0.25	62.11	1.35	9.79	470.48	567.57		
SMDH 00145	81.6	84.33	0.07	13.06	77.78	165.26	17.71	63.56	9.31	1.90	5.45	0.29	2.77	0.27	1.30	0.27	1.45	0.25	29.47	0.83	7.31	335.81	378.44		
SMDH 00145	143.8	138.64	0.13	32.16	119.93	256.41	28.43	102.84	18.28	1.45	11.35	1.15	6.21	0.99	3.89	0.53	3.41	0.50	54.17	2.08	10.73	442.79	718.74		1.63
SMDH 00145	150.3	143.33	0.12	35.91	126.45	270.06	30.48	105.16	19.09	1.56	11.35	1.15	6.55	1.31	4.75	0.64	3.82	0.70	56.55	1.67	11.09	489.39	763.12	0.63	
SMDH 00145	181.7	178.04	0.13	39.90	157.30	331.12	37.83	131.73	23.22	1.56	13.39	1.38	7.10	1.42	5.19	0.74	4.65	0.70	70.27	1.87	11.09	452.92	642.98		
SMDH 00145	144.1	147.38	0.10	26.84	131.34	282.13	31.68	109.78	17.25	1.56	10.10	1.03	4.88	0.88	3.03	0.27	2.68	0.25	56.55	1.35	12.03	541.13	632.41		1.62
SMDH 00145	119.5	118.71	0.13	24.66	107.70	228.38	25.42	87.82	15.64	1.56	9.08	0.92	4.55	0.88	2.59	0.27	1.96	0.25	46.69	1.35	10.38	435.77	752.72		
SMDH 00145	129.2	116.78	0.13	35.91	103.28	220.95	24.58	85.51	14.37	1.12	8.51	0.92	5.77	1.21	4.43	0.64	3.92	0.60	45.33	1.35	11.67	483.18	773.52	0.74	
SMDH 00145	67.4	49.20	0.15	27.32	46.69	94.08	10.36	34.67	5.63	1.23	3.86	0.29	3.88	0.88	3.46	0.27	3.10	0.25	16.09	0.73	12.85	543.83	671.59		1.64
SMDH 00145	24.1	19.24	0.08	7.50	19.10	37.41	3.98	13.87	2.30	1.34	1.36	0.29	1.11	0.27	0.97	0.27	1.03	0.25	5.78	0.26	9.55	412.13	721.34		
SMDH 00146	143.9	137.78	0.12	35.66	124.24	271.16	31.08	98.22	18.17	1.56	12.26	1.26	7.21	1.21	3.03	0.27	2.79	0.25	55.76	2.71	17.81	738.48	576.41		1.55
SMDH 00146	120.6	112.94	0.14	30.95	100.95	212.30	24.70	80.89	13.68	1.45	9.31	1.03	6.33	0.99	2.92	0.27	2.38	0.25	40.91	1.77	10.97	461.43	677.83	0.52	
SMDH 00146	104.3	96.34	0.09	27.56	88.72	160.99	21.20	69.33	11.04	1.56	8.51	0.92	4.88	0.88	2.16	0.27	1.86	0.25	31.73	1.35	11.44	473.59	427.67		
SMDH 00146	133.8	121.28	0.14	36.99	103.51	216.56	26.14	86.67	15.29	1.68	10.10	1.26	7.21	1.31	3.57	0.27	2.79	0.25	41.25	2.19	9.43	415.37	812.70		1.67

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00146	120.9	111.63	0.12	31.55	96.87	205.35	23.97	79.73	14.60	1.68	9.53	1.26	6.66	1.10	3.03	0.27	2.48	0.25	39.44	2.19	8.73	400.24	708.34	1.69	
SMDH 00146	104.2	96.64	0.11	26.96	83.25	175.74	20.84	69.33	12.42	1.45	7.94	1.03	5.44	0.88	2.27	0.27	1.86	0.25	33.21	1.77	14.39	699.71	602.07		
SMDH 00146	145.8	136.18	0.13	37.11	119.46	250.32	29.03	98.22	17.59	1.56	12.26	1.38	7.55	1.21	3.46	0.27	2.68	0.25	47.15	2.29	9.08	423.48	761.38		1.65
SMDH 00146	145.6	139.33	0.12	33.85	119.23	249.83	29.15	101.69	16.67	1.56	11.35	1.49	6.99	1.21	3.03	0.27	2.27	0.25	46.81	2.29	9.43	416.05	761.38		
SMDH 00146	119.1	106.17	0.10	34.33	95.36	195.97	23.25	75.11	13.34	1.90	8.62	1.15	6.66	1.10	3.35	0.27	2.48	0.25	36.49	1.67	8.25	366.74	643.33		
SMDH 00146	130.2	114.79	0.12	38.69	98.85	208.76	24.94	82.04	14.26	1.68	9.53	1.26	6.55	1.31	4.11	0.53	3.41	0.25	40.35	1.67	9.91	416.45	674.88		1.72
SMDH 00146	121.4	113.13	0.12	30.22	97.11	202.55	23.73	82.04	13.11	1.79	8.97	1.03	6.33	0.99	2.92	0.27	2.38	0.25	38.53	1.87	11.09	481.29	696.55	0.56	
SMDH 00146	105.9	101.58	0.13	25.15	92.22	192.31	22.53	72.80	12.65	1.68	9.08	1.03	5.22	0.88	2.38	0.27	1.76	0.25	36.04	1.35	8.49	419.42	722.03		
SMDH 00146	137.2	130.58	0.12	31.80	111.20	240.45	26.74	95.91	15.29	1.56	10.55	1.26	6.66	1.21	2.92	0.27	3.10	0.25	43.52	2.71	9.43	443.20	639.69		1.74
SMDH 00147	102.8	95.36	0.07	26.48	80.69	182.68	20.12	69.33	11.84	1.12	7.72	0.92	4.99	0.88	2.38	0.27	2.48	0.25	34.68	2.50	14.86	623.26	377.05		1.10
SMDH 00147	180.8	168.51	0.17	45.94	144.15	313.94	35.42	122.49	21.85	1.79	14.07	1.72	8.88	1.53	4.11	0.64	4.13	0.60	62.11	3.75	25.24	1059.30	750.29		
SMDH 00147	83.5	83.31	0.12	16.32	75.92	152.22	17.71	61.24	10.46	1.56	7.04	0.80	3.55	0.55	1.30	0.27	1.03	0.25	29.24	1.46	7.19	313.12	649.74		
SMDH 00147	98.6	91.39	0.17	25.15	85.93	179.39	19.28	65.87	12.42	1.34	8.28	1.15	5.10	0.88	2.38	0.27	2.27	0.25	34.45	2.40	8.96	379.17	710.07	1.00	1.45
SMDH 00147	81.7	74.30	0.15	22.00	66.48	139.66	15.90	53.16	9.54	1.34	6.58	0.80	4.44	0.77	1.84	0.27	1.76	0.25	26.97	1.87	7.90	336.89	723.94		
SMDH 00147	88.4	87.69	0.13	17.29	77.43	162.70	18.07	64.71	11.96	1.45	7.49	0.92	3.99	0.55	1.30	0.27	1.03	0.25	32.07	1.87	8.25	359.85	646.10		
SMDH 00147	92.2	84.40	0.13	23.45	73.12	153.68	17.47	61.24	11.15	1.79	7.60	0.92	4.77	0.77	1.94	0.27	1.76	0.25	29.81	2.08	9.79	454.41	637.26		1.47
SMDH 00147	117.9	110.12	0.15	29.14	98.97	205.47	23.25	79.73	14.37	1.90	9.53	1.15	5.99	0.99	2.27	0.27	1.96	0.25	38.31	2.50	9.43	406.73	718.39	0.65	
SMDH 00147	118.4	105.89	0.16	32.52	91.75	195.72	21.93	76.27	13.91	1.90	9.19	1.26	6.44	1.10	2.70	0.27	2.38	0.25	37.51	2.81	17.45	893.69	800.91		
SMDH 00147	96.3	89.88	0.11	23.33	79.06	168.42	18.43	65.87	11.61	1.56	7.38	0.92	4.66	0.77	1.84	0.27	1.86	0.25	31.96	1.98	7.19	330.41	616.46		1.54
SMDH 00147	105.8	92.50	0.17	30.22	78.94	164.77	18.67	67.02	11.73	1.79	8.40	1.03	5.77	0.99	2.49	0.27	2.27	0.25	30.26	2.19	10.02	413.75	808.19		
SMDH 00147	104.6	95.66	0.17	26.72	81.50	171.35	19.52	69.33	12.76	1.79	8.51	1.15	5.66	0.88	1.94	0.27	1.65	0.25	33.77	2.29	10.26	416.45	822.58	0.51	
SMDH 00147	90.9	87.11	0.13	20.79	78.71	168.30	18.31	63.56	11.61	1.34	7.60	0.92	4.33	0.77	1.62	0.27	1.45	0.25	31.17	1.87	9.91	437.12	825.18		1.42
SMDH 00147	110.1	105.92	0.14	24.66	93.50	197.55	21.81	77.42	14.37	1.34	9.42	1.15	5.55	0.88	1.94	0.27	1.76	0.25	37.97	2.40	10.85	463.32	820.33		
SMDH 00147	99.6	100.15	0.13	18.50	86.05	185.73	20.72	73.96	12.76	1.68	8.40	1.03	4.44	0.66	1.30	0.27	1.03	0.25	35.59	2.19	11.20	460.76	857.94		
SMDH 00147	99.4	95.27	0.13	22.73	89.31	179.64	20.36	69.33	12.65	1.79	7.72	0.92	4.66	0.77	1.84	0.27	1.65	0.25	31.51	1.98	7.67	352.56	733.65	0.33	1.40
SMDH 00148	134.4	137.61	0.09	26.35	130.17	263.60	30.72	100.53	17.02	1.12	9.87	1.03	5.33	0.88	3.13	0.27	2.17	0.25	50.09	2.40	15.21	748.34	515.22		
SMDH 00148	110.6	121.04	0.09	16.08	118.53	246.30	27.71	88.98	13.80	1.23	7.83	0.92	3.44	0.55	1.62	0.27	1.14	0.25	47.71	1.35	8.61	435.09	836.97		
SMDH 00148	87.3	88.87	0.09	17.53	84.88	169.89	20.36	64.71	10.92	1.23	6.01	0.69	3.11	0.66	1.84	0.27	1.55	0.25	31.28	1.04	7.67	410.91	660.32	1.57	1.51
SMDH 00148	92.4	95.85	0.09	17.41	91.40	187.68	22.17	69.33	11.73	1.34	6.92	0.80	3.55	0.66	1.94	0.27	1.24	0.25	36.49	1.04	7.19	300.01	593.75		
SMDH 00148	140.7	117.10	0.20	47.75	105.49	215.22	25.54	83.20	14.37	1.34	8.74	1.15	7.21	1.53	6.37	0.85	5.27	0.91	38.87	2.08	10.14	514.25	1202.23		
SMDH 00148	113.7	100.77	0.14	34.33	94.08	188.90	22.77	71.64	10.46	1.34	6.70	0.92	5.44	1.10	4.11	0.53	3.61	0.60	34.79	1.46	7.19	374.71	778.89		1.43
SMDH 00148	103.5	96.61	0.11	27.93	93.61	188.90	22.41	68.18	12.42	1.34	7.72	0.92	5.10	1.10	3.67	0.27	2.79	0.50	34.11	1.46	8.49	433.47	878.05		
SMDH 00148	102.7	88.76	0.13	32.64	84.18	178.05	20.12	62.40	10.92	1.45	7.38	0.92	5.33	1.10	4.43	0.64	3.41	0.60	32.75	1.56	8.73	439.69	665.17		1.58
SMDH 00148	113.2	100.77	0.14	31.43	85.23	178.66	20.24	73.96	10.81	1.23	8.40	0.92	5.66	1.21	3.35	0.53	3.30	0.50	34.79	1.77	8.02	333.65	642.63		
SMDH 00148	87.0	77.31	0.10	24.06	66.60	137.71	15.78	56.62	8.51	1.45	6.81	0.69	4.22	0.99	2.38	0.27	2.68	0.25	26.07	1.25	5.66	266.38	393.69	0.67	
SMDH 00148	100.4	105.33	0.09	15.60	92.68	190.48	22.29	78.58	11.38	1.79	7.83	0.92	3.55	0.66	1.40	0.27	0.93	0.25	36.83	1.25	6.01	256.25	617.84		1.57
SMDH 00148	92.7	92.89	0.11	18.50	87.44	180.25	20.36	68.18	10.58	1.68	7.26	0.80	3.55	0.66	1.62	0.27	1.86	0.25	36.95	0.94	6.84	319.33	459.74		
SMDH 00148	138.6	147.84	0.10	19.83	132.50	269.33	31.32	110.93	15.41	2.23	10.33	1.03	4.55	0.88	1.73	0.27	1.65	0.25	54.51	1.35	8.14	371.61	557.17		
SMDH 00149	68.3	58.67	0.16	20.79	52.05	110.66	12.05	41.60	6.90	0.89	6.01	0.92	4.11	0.66	2.05	0.27	2.07	0.25	18.59	1.46	6.13	260.84	712.32		
SMDH 00149	60.6	42.42	0.19	25.39	32.14	74.71	8.07	28.89	5.63	0.89	4.65	0.69	4.77	0.88	2.27	0.27	2.68	0.25	11.56	1.04	3.30	136.03	844.42		1.47
SMDH 00149	47.4	48.64	0.07	9.19	59.03	111.27	11.69	34.67	4.71	1.23	2.50	0.29	2.00	0.27	0.86	0.27	1.34	0.25	16.21	2.60	32.31	1349.45	998.02		
SMDH 00149	75.2	60.67	0.04	25.87	62.76	113.70	13.01	42.76	6.55	1.68	4.65	0.69	4.22	0.88	2.27	0.27	3.30	0.25	16.55	2.08	6.25	288.13	220.34	0.45	
SMDH 00149	49.3	31.04	0.07	23.57	30.27	55.69	6.63	20.80	3.91	1.34	3.40	0.29	3.33	0.77	2.38	0.27	3.61	0.50	8.27	2.19	17.57	681.61	522.50		1.82
SMDH 00150	81.7	65.73	0.09	27.44	60.78	109.44	12.77	47.38	7.93	1.34	5.67	0.92	4.66	1.10	2.38	0.27	2.38	0.25	23.69	2.40	5.90	203.30	879.61	3.13	1.60
SMDH 00150	67.2	56.97	0.12	21.16	48.55	96.40	12.29	40.44	7.13	1.34	4.77	0.69	3.55	0.88	1.73	0.27	1.86	0.25	22.10	1.67	6.84	222.34	570.17		
SMDH 00150	82.8	76.05	0.08	21.76	67.18	130.40	16.38	54.31	8.97	1.34	5.56	0.92	4.44	0.77	1.84	0.27	1.76	0.25	31.51	1.87	6.96	255.17	496.15		
SMDH 00150	48.4	33.26	0.25	20.31	22.94	43.51	6.51	21.96	4.14	1.34	3.63	0.80	3.99	0.77	1.73	0.27	1.45	0.25	4.76	2.08	2.48	87.40	465.46		1.45
SMDH 00150	76.5	75.44	0.10	17.05	70.21	138.32	17.23	54.31	8.62	1.23	5.33	0.69	3.22	0.66	1.62	0.27	1.34	0.25	32.75	1.98	6.01	199.65	613.68	1.42	
SMDH 00150	42.7	37.04	0.06	12.21	32.37	61.91	8.07	26.58	3.68	1.56	2.84	0.29	2.11	0.27	1.08	0.27	0.93	0.25	12.81	0.83	3.07	101.31	421.95		
SMDH 00150	34.0	23.64	0.05	13.90	21.19	40.46	5.18	16.18	2.87	1.68	2.27	0.29	2.00	0.27	1.19	0.27	1.14	0.25	7.59	0.83	2.12	62.00	240.45		1.65
SMDH 00150	79.4	52.93	0.14	33.97	33.30	72.02	9.52	35.82	7.82	2.01	6.47	1.26	6.33	1.31	2.49	0.27	1.96	0.25	10.31	1.98	3.30	108.60	787.56		
SMDH 00150	150.7	119.90	0.17	55.61	111.20	214.49	26.26	82.04	13.45	1.45	9.76	1.72	9.88	1.86	4.86	1.06	4.75	0.80	41.03	3.44	6.96	271.38	859.16	1.42	
SMDH 00150	126.2	100.12	0.20	46.06	95.71	194.99	21.08	69.33	11.04	1.12	9.87	1.49	8.21	1.75	4.86	0.85	4.96	0.80	31.05	3.02	8.02	295.28	996.63		
SMDH 00150	117.0	88.37	0.19	46.54	80.11	171.84	18.91	60.09	11.50	1.01	10.10	1.49	7.88	1.64	4.43	0.74	4.54	0.70	30.03	3.12	7.19	285.96	814.09		
SMDH 00150	109.7	84.62	0.21	41.23	76.61	157.46	16.99	58.93	9.77	0.89	8.85	1.26	7.44	1.64	4.00	0.74	3.82	0.70	26.97	3.23	6.60	260.97	941.85		
SMDH 00150	128.0	95.86	0.22	50.17	85.23	176.59	19.40	65.87	12.30	1.34	10.44	1.61	8.99	1.97	5.19	0.85	4.75	0.70	29.01	3.44	7.19	278.81	1030.61	1.28	1.44
SMDH 00150	110.9	84.15	0.20	42.55	74.29	154.77	17.23	57.78	10.00	1.45	8.97	1.49	7.66	1.53	4.54	0.74	3.92	0.50	26.07	3.12	6.25	252.19	887.07		
SMDH 00150	132.2	98.41	0.23	52.83	85.70	177.69	20.24	67.02	12.30	1.23	9.65	1.72	9.43	2.08	5.51	0.85	4.85	0.70	31.51	3.33	7.55	288.53	1082.79		
SMDH 00150	129.9	100.89	0.23	49.08	90.82	189.14	21.08	69.33	10.81	1.01	10.10	1.38	9.10	1.75	5.62	0.96	5.06	0.70	34.11	3.12	8.73	314.47	892.27		1.54
SMDH 00150	137.4	96.58	0.19	57.79	75.57	162.09	18.55	65.87	12.65	1.56	11.92	2.07	10.10	2.08	5.51	0.96	4.85	0.70	25.16	3.44	8.96	373.36	913.25	0.74	
SMDH 00151	167.2	135.38	0.16	58.15	122.49	272.87	28.43	95.91	17.36	2.12	11.92	1.72	9.32	1.86	4.86	0.85	5.68	0.80	47.03	3.12	14.74	652.57	1112.43	0.21	1.29
SMDH 00151	130.4	111.36	0.15	40.62	99.67	214.86	23.37	79.73	14.03	1.79	9.76	1.38	6.88	1.31	3.35	0.64	3.72	0.50	40.01	2.81	12.15	523.98	740.06		
SMDH 00151	118.7	107.59	0.11	32.40	98.85	210.59	22.65	78.58	13.34	1.34	8.74	1.15	5.22	0.88	2.16	0.27	2.17	0.25	41.14	2.81	11.09	520.06	508.98		
SMDH 00151	64.3	63.08	0.06	13.30	61.01	127.96	13.73	46.22	7.47	1.68	4.88	0.57	2.55	0.27	1.08	0.27	1.24	0.25	23.91	1.25	3.66	166.96	299.91		1.68
SMDH 00151	88.6	98.76	0.08	9.79	96.18	203.28	21.56	73.96	11.96	1.56	7.04	0.69	2.55	0.27	0.65	0.27	0.26	0.25	39.33	1.77	6.60	279.08	415.88	1.03	
SMDH 00151	59.0	66.23	0.08	5.80	67.77	136.74	14.70	49.69	7.82	1.68	4.43	0.29	1.55	0.27	0.27	0.27	0.26	0.25	25.05	1.04	3.54	146.02	616.63		
SMDH 00151	122.3	138.86	0.11	12.69	134.60	282.49	30.72	104.00	16.33	1.45	9.19	0.92	3.22	0.27	1.08	0.27	1.14	0.25	55.31	2.60	8.73	366.61	619.06		1.45
SMDH 00151	101.6	118.03	0.07	8.34	114.81	241.30	26.14	88.98	14.14	1.34	7.49	0.69	2.22	0.27	0.76	0.27	0.72	0.25	48.05	1.98	10.73	455.76	623.91		
SMDH 00151	102.7	121.19	0.06	6.89	117.72	243.86	27.11	91.29	14.03	1.68	7.15	0.69	2.11	0.27	0.54	0.27	0.26	0.25	44.20	1.77	8.61	378.63	496.84	0.47	
SMDH 00151	80.4	89.78	0.09	8.95	85.35	179.76	19.64	67.02	10.46	1.34	5.79	0.57	2.55	0.27	0.65	0.27	0.26	0.25	32.87	1.67	13.56	574.50	539.31		1.52
SMDH 00151	60.2	67.50	0.05	5.92	62.53	132.11	14.82	50.84	8.16	1.56	4.20	0.29	1.55	0.27	0.27	0.27	0.26	0.25	23.23	1.25	6.60	280.97	216.18		
SMDH 00151	74.2	77.84	0.10	12.33	72.07	152.58	17.23	57.78	9.77	1.23	4.65	0.29	2.55	0.27	1.19	0.27	1.24	0.25	27.31	1.25	8.49	351.34	523.89		
SMDH 00151	74.2	76.93	0.11	12.69	69.63	148.80	16.62	56.62	9.77	1.23	5.79	0.69	3.00	0.27	1.08	0.27	0.83	0.25	25.95	1.67	7.78	325.41	516.95		1.48
SMDH 00151	71.8	69.45	0.15	15.96	61.94	133.20	14.82	50.84	8.74	1.23	5.22	0.57	3.22	0.55	1.51	0.27	1.76	0.25	22.67	1.87	10.50	443.74	601.90		
SMDH 00151	125.6	124.99	0.13	26.35	110.73	238.50	27.35	91.29	16.10	1.56	9.19	1.03	5.33	0.88	2.38	0.27	2.38	0.25	42.27	2.81	9.43	383.36	656.33		
SMDH 00151	109.3	98.73	0.12	29.62	86.05	185.97	20.84	71.64	12.76	1.79	7.83	0.92	5.33	0.99	2.59	0.27	2.58	0.25	32.30	2.81	7.67	328.24	567.57		1.37

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00151	54.8	57.45	0.08	7.98	54.38	112.73	12.41	42.76	7.36	1.79	4.31	0.29	2.00	0.27	0.65	0.27	0.26	0.25	20.85	1.04	3.07	132.38	425.25	0.15	
SMDH 00151	94.3	76.47	0.15	32.40	66.25	142.10	16.02	54.31	10.12	1.45	6.47	0.92	5.22	1.10	3.03	0.53	3.51	0.60	25.95	2.60	6.72	269.21	673.84		
SMDH 00152	132.8	104.77	0.11	47.39	90.59	195.84	20.96	75.11	13.34	1.56	8.85	1.15	7.55	1.64	3.46	0.85	4.34	0.50	31.51	2.19	14.15	637.98	846.50		
SMDH 00152	66.4	54.15	0.10	22.61	47.97	99.57	11.44	38.13	6.67	1.12	5.11	0.57	3.99	0.77	2.81	0.27	2.27	0.25	18.70	1.25	10.38	423.61	592.36		1.67
SMDH 00152	46.9	47.56	0.08	9.07	45.76	96.16	10.72	34.67	6.09	1.01	3.86	0.29	1.89	0.27	0.86	0.27	0.72	0.25	17.23	0.94	6.37	270.16	473.27		
SMDH 00152	88.0	67.83	0.16	33.00	58.57	121.87	14.09	47.38	8.51	1.23	6.47	0.92	5.44	1.10	3.89	0.27	3.51	0.25	21.42	1.46	11.09	434.96	851.18		
SMDH 00152	98.6	91.86	0.11	27.32	87.91	183.17	21.68	64.71	12.53	1.12	8.40	0.92	4.55	0.88	3.03	0.27	2.79	0.25	34.45	2.19	16.27	746.72	517.47	0.86	1.65
SMDH 00152	37.8	40.37	0.08	5.20	39.94	81.53	9.04	30.04	4.83	1.23	3.06	0.29	1.00	0.27	0.27	0.27	0.26	0.25	15.07	0.62	4.84	207.62	548.16		
SMDH 00152	41.1	44.65	0.04	4.96	44.01	90.06	9.52	33.51	5.40	1.01	2.95	0.29	1.33	0.27	0.27	0.27	0.26	0.25	15.87	0.83	6.25	269.89	415.02		
SMDH 00152	58.2	64.02	0.06	7.62	56.12	107.37	14.58	47.38	8.05	1.12	3.97	0.29	1.78	0.27	0.54	0.27	0.26	0.25	23.46	1.35	10.02	466.97	613.51		1.58
SMDH 00152	52.6	53.62	0.07	9.43	47.97	99.57	12.05	39.29	6.55	1.56	4.31	0.29	2.00	0.27	0.86	0.27	0.52	0.25	20.74	1.46	9.91	407.40	595.31	1.10	
SMDH 00152	43.8	45.83	0.07	6.89	42.85	86.16	10.48	33.51	5.40	1.56	3.40	0.29	1.55	0.27	0.65	0.27	0.26	0.25	17.23	1.04	9.43	381.87	573.47		
SMDH 00152	45.0	46.56	0.09	7.98	45.41	88.48	11.20	33.51	5.86	1.68	3.52	0.29	1.55	0.27	0.54	0.27	0.26	0.25	18.25	1.25	13.09	522.89	691.70		1.68
SMDH 00152	58.4	61.20	0.09	9.55	58.22	116.26	13.85	45.07	7.24	1.45	4.31	0.29	2.00	0.27	0.86	0.27	0.62	0.25	22.44	1.35	10.85	445.49	719.09		
SMDH 00153	59.4	46.82	0.05	21.52	40.87	83.12	9.52	33.51	5.17	0.56	3.63	0.57	3.22	0.77	1.73	0.27	1.86	0.25	16.21	1.15	6.49	307.98	324.18		
SMDH 00153	72.8	56.11	0.09	27.44	49.60	107.25	11.81	39.29	7.47	1.01	4.77	0.69	4.33	0.99	2.27	0.27	2.79	0.25	18.59	1.35	10.26	489.39	524.41	1.29	1.32
SMDH 00153	111.6	92.27	0.15	36.63	78.36	164.89	19.15	65.87	11.27	1.90	7.38	1.03	6.21	1.21	3.13	0.53	3.20	0.50	29.81	1.67	11.67	553.42	989.70		
SMDH 00153	72.2	51.06	0.13	29.86	43.08	89.09	10.00	35.82	5.86	1.23	4.09	0.69	4.55	0.99	2.49	0.27	2.79	0.25	14.96	1.15	6.25	271.24	699.84		
SMDH 00153	83.1	73.01	0.10	23.70	64.04	128.45	15.06	53.16	8.39	1.45	5.45	0.80	3.99	0.77	2.16	0.27	2.27	0.25	22.78	1.15	5.90	264.49	635.01		1.45
SMDH 00153	77.0	66.03	0.09	23.57	60.31	121.38	13.85	47.38	7.59	1.23	5.11	0.69	4.11	0.77	1.84	0.27	1.96	0.25	21.42	1.04	5.07	230.18	528.22	0.57	
SMDH 00153	72.8	59.73	0.11	24.06	52.51	108.71	12.29	42.76	7.82	1.34	4.99	0.69	3.99	0.77	2.05	0.27	2.17	0.25	18.02	1.04	7.67	356.48	661.70		
SMDH 00153	94.5	85.70	0.12	25.39	75.57	156.72	17.95	62.40	10.23	1.34	6.36	0.80	4.55	0.88	2.27	0.27	2.68	0.25	27.65	1.35	5.90	256.25	665.52		1.40
SMDH 00153	116.5	79.37	0.16	51.86	68.58	141.98	16.14	54.31	9.66	1.45	6.70	1.15	7.77	1.64	4.43	0.74	4.54	0.60	24.25	1.87	9.91	475.21	640.73		
SMDH 00153	112.3	81.48	0.13	45.46	73.01	150.14	16.50	56.62	9.54	1.90	6.81	1.03	7.32	1.53	3.35	0.74	3.82	0.25	22.89	1.67	9.32	416.45	689.96	0.25	
SMDH 00153	143.2	98.88	0.17	61.54	77.90	171.10	18.67	68.18	12.53	1.45	9.65	1.49	10.54	2.08	4.43	0.85	4.23	0.25	25.84	2.29	11.67	534.38	1028.53		1.42
SMDH 00153	126.8	87.79	0.14	54.64	72.66	155.14	17.23	60.09	10.69	1.56	8.28	1.26	9.21	1.86	3.78	0.74	4.13	0.25	24.25	2.40	9.20	402.67	777.33		
SMDH 00153	133.5	84.49	0.16	63.23	71.14	148.19	16.02	57.78	10.23	1.79	7.38	1.15	9.54	2.08	4.43	0.96	5.06	0.60	23.46	1.98	8.73	388.76	697.24		
SMDH 00153	121.7	83.85	0.16	52.59	73.59	152.95	16.38	57.78	10.35	1.68	7.15	1.15	8.54	1.64	3.67	0.85	4.13	0.25	23.35	1.98	9.79	458.33	746.30	0.20	1.48
SMDH 00154	114.3	95.05	0.16	37.11	83.60	163.06	19.40	68.18	12.30	1.56	8.74	1.15	6.33	1.10	2.92	0.53	3.20	0.25	28.79	2.08	14.15	593.41	1775.87		
SMDH 00154	99.7	83.34	0.22	31.07	70.56	162.33	16.38	58.93	10.92	1.68	8.28	1.15	6.88	1.21	3.35	0.53	3.30	0.25	28.45	1.98	12.15	497.50	2790.01		1.33
SMDH 00154	102.4	66.78	0.23	44.73	43.43	118.21	11.57	45.07	10.69	2.46	8.51	1.38	8.77	1.64	4.43	0.74	4.23	0.50	13.83	1.35	10.50	430.64	3051.09		
SMDH 00154	148.7	76.51	0.27	79.79	34.93	79.09	11.32	49.69	13.11	3.69	12.37	2.07	13.43	2.52	6.48	1.06	6.09	0.70	5.10	0.94	10.38	457.38	5077.28	0.29	
SMDH 00154	138.2	71.30	0.27	73.87	32.25	77.27	10.48	46.22	11.73	3.46	11.35	1.95	12.65	2.41	6.27	0.96	5.99	0.70	5.44	0.94	10.38	430.50	4365.31		1.79
SMDH 00154	135.2	70.51	0.25	71.69	32.60	76.05	10.24	46.22	11.15	3.24	11.12	1.84	12.21	2.52	5.83	0.96	5.37	0.70	4.76	0.83	10.02	412.13	4443.14		
SMDH 00154	134.5	73.24	0.23	69.88	40.17	90.31	11.44	48.53	11.84	2.79	10.10	1.61	11.65	2.41	6.16	0.96	6.09	0.80	9.18	0.94	9.08	384.44	3447.03		
SMDH 00154	134.5	110.26	0.13	44.85	95.71	196.21	22.17	79.73	13.80	1.56	8.85	1.15	7.21	1.53	3.89	0.64	4.34	0.50	34.34	1.98	8.49	371.61	758.44	0.25	1.58
SMDH 00154	121.6	90.92	0.15	47.27	77.78	159.65	18.07	64.71	10.92	1.45	7.26	1.03	7.10	1.53	4.21	0.74	4.54	0.60	26.63	2.08	9.43	415.51	783.23		
SMDH 00155	156.9	164.00	0.05	27.20	141.12	300.77	34.82	122.49	21.27	0.56	11.80	1.26	5.44	0.88	2.16	0.27	2.38	0.25	58.71	3.64	25.71	1096.98	1061.99		
SMDH 00155	96.0	90.33	0.15	22.85	76.85	179.03	18.07	67.02	10.81	0.89	7.04	0.80	4.44	0.88	2.05	0.27	2.38	0.25	33.32	2.19	13.80	597.32	1304.86		1.43
SMDH 00155	110.1	94.70	0.17	33.00	81.27	160.75	18.79	69.33	11.73	1.23	7.72	0.92	5.66	1.10	2.81	0.27	2.89	0.25	28.67	1.77	10.50	459.68	1014.14	1.55	
SMDH 00155	104.9	93.37	0.12	29.50	84.18	172.45	19.40	68.18	11.15	1.45	7.26	0.92	4.88	0.99	2.49	0.27	2.79	0.25	31.05	1.67	8.25	345.53	770.75		
SMDH 00155	123.8	99.70	0.16	42.80	89.66	179.03	20.36	71.64	12.65	1.68	7.49	1.15	6.55	1.42	4.11	0.74	4.65	0.60	29.92	1.98	7.90	341.21	650.61		1.48
SMDH 00155	100.9	80.28	0.15	36.03	71.03	146.73	16.75	56.62	9.89	1.34	6.24	0.92	5.99	1.21	3.46	0.53	3.61	0.50	25.50	1.46	7.08	300.55	675.23		
SMDH 00155	79.4	68.59	0.12	23.82	61.36	124.31	14.22	49.69	8.62	1.23	5.33	0.69	3.99	0.77	2.05	0.27	2.27	0.25	22.21	1.35	7.31	325.00	553.36	0.28	
SMDH 00155	93.2	82.89	0.12	26.23	74.52	154.04	17.23	60.09	11.04	1.34	6.58	0.92	4.66	0.99	2.38	0.27	2.38	0.25	27.09	2.29	6.96	307.98	532.03		1.60
SMDH 00155	110.9	90.03	0.17	37.60	78.59	166.60	18.19	64.71	11.96	1.45	6.92	0.92	6.21	1.31	3.78	0.64	4.13	0.60	27.31	1.56	8.96	380.12	681.47		
SMDH 00155	106.6	79.20	0.16	42.19	71.96	146.00	16.38	55.47	9.89	1.56	6.13	0.92	6.44	1.42	4.32	0.64	4.44	0.70	24.37	1.35	8.61	375.79	696.72	0.14	1.62
SMDH 00155	77.6	68.14	0.13	22.00	63.11	127.23	14.22	49.69	8.51	1.68	4.77	0.57	3.66	0.66	2.16	0.27	2.38	0.25	21.53	1.04	8.02	366.07	671.93		
SMDH 00155	123.1	94.68	0.21	46.42	86.51	168.18	19.64	67.02	11.84	1.68	7.04	1.03	6.99	1.53	4.43	0.74	5.06	0.60	26.86	1.77	10.50	448.20	737.81		
SMDH 00155	45.8	38.79	0.13	13.90	39.59	76.05	8.55	27.73	4.83	1.68	2.84	0.29	2.22	0.27	1.40	0.27	1.55	0.25	11.67	0.83	10.14	457.25	953.64		1.51
SMDH 00155	100.4	85.45	0.16	31.67	78.24	161.72	18.19	61.24	10.00	1.45	6.01	0.80	5.22	0.99	2.92	0.27	3.20	0.25	26.97	1.46	9.20	396.05	770.75	0.18	
SMDH 00155	105.6	79.50	0.19	39.41	73.59	145.88	14.70	57.78	9.31	1.34	5.67	0.92	6.10	1.31	3.89	0.64	4.13	0.60	23.69	1.56	10.61	456.71	628.07		
SMDH 00155	105.6	79.50	0.19	39.41	73.59	145.88	14.70	57.78	9.31	1.34	5.67	0.92	6.10	1.31	3.89	0.64	4.13	0.60	23.69	1.56	10.61	456.71	628.07		
SMDH 00156	154.1	153.07	0.08	31.80	131.34	306.99	31.68	113.24	20.01	0.89	11.69	1.38	6.77	1.10	2.81	0.27	2.68	0.25	58.25	3.85	25.00	1086.31	479.33		
SMDH 00156	110.0	97.52	0.12	31.19	87.09	193.41	20.12	70.49	13.11	1.45	8.06	1.03	5.88	0.99	2.70	0.27	2.68	0.25	33.66	2.40	12.15	555.04	632.41		1.61
SMDH 00156	129.3	105.71	0.13	44.01	90.82	192.07	22.17	73.96	13.91	1.79	9.65	1.49	8.10	1.42	3.78	0.64	4.13	0.60	37.29	2.71	9.08	453.46	686.84		
SMDH 00156	114.0	87.44	0.12	42.68	75.33	157.94	17.95	61.24	11.61	1.79	9.53	1.15	7.10	1.42	3.67	0.53	3.92	0.60	28.79	1.87	9.91	437.93	602.76	0.66	
SMDH 00156	128.5	103.52	0.12	44.49	90.24	185.24	21.20	73.96	13.45	1.68	8.97	1.26	7.10	1.42	3.78	0.64	3.92	0.50	35.47	2.08	9.55	429.96	627.55		1.51
SMDH 00156	115.4	113.23	0.08	24.90	101.42	209.01	24.46	83.20	14.60	1.68	8.28	0.92	4.66	0.88	2.38	0.27	2.58	0.25	42.16	1.35	8.14	344.99	574.16		
SMDH 00156	119.7	115.75	0.08	26.72	101.42	212.17	24.21	85.51	15.18	1.45	8.74	1.03	4.99	0.88	2.27	0.27	2.38	0.25	41.14	1.87	9.43	416.59	508.63		
SMDH 00156	101.4	96.06	0.09	23.82	84.30	172.08	19.88	70.49	11.73	1.45	7.38	0.92	4.77	0.88	2.16	0.27	2.07	0.25	33.32	1.67	9.08	384.03	624.09	0.90	1.50
SMDH 00156	80.5	71.64	0.11	22.49	62.76	130.89	15.18	52.00	8.85	1.56	5.22	0.69	3.77	0.77	2.05	0.27	2.38	0.25	24.37	1.25	5.90	255.17	569.48		
SMDH 00156	108.2	92.29	0.13	33.61	77.20	161.72	18.91	67.02	12.19	1.23	7.72	0.92	5.44	1.10	3.24	0.64	3.92	0.60	32.30	1.77	7.08	304.47	517.99		
SMDH 00156	76.9	68.49	0.13	21.76	57.75	120.53	14.34	49.69	8.85	1.01	6.01	0.69	3.77	0.66	1.73	0.27	1.86	0.25	22.21	1.46	6.13	270.16	550.06		1.39
SMDH 00156	93.9	80.17	0.13	28.53	66.95	141.49	16.26	57.78	11.04	1.45	6.58	0.80	5.33	0.99	2.70	0.27	2.58	0.25	27.20	1.87	7.31	318.92	496.15	0.29	
SMDH 00156	93.3	70.59	0.13	35.66	58.22	122.48	14.22	49.69	9.43	1.23	6.36	0.92	5.77	1.21	3.13	0.53	3.61	0.50	21.87	1.56	6.84	289.34	542.95		
SMDH 00156	87.6	72.84	0.14	28.17	63.34	122.11	14.82	52.00	9.43	1.45	6.36	0.92	5.10	0.99	2.38	0.27	2.38	0.25	18.13	1.77	7.08	306.09	616.28		1.52
SMDH 00156	95.8	84.06	0.17	26.72	60.55	134.42	16.38	60.09	13.80	1.45	10.55	1.38	6.21	0.88	2.05	0.27	2.17	0.25	19.04	2.08	7.67	333.11	867.48		
SMDH 00157	126.6	130.89	0.07	21.64	108.63	237.77	26.74	98.22	16.90	0.78	10.33	1.15	4.77	0.77	1.73	0.27	1.76	0.25	54.17	2.92	19.93	858.84	469.62	0.87	
SMDH 00157	103.1	97.23	0.10	24.54	81.04	178.54	20.12	71.64	12.76	1.45	7.72	0.92	4.55	0.77	2.05	0.27	2.07	0.25	35.59	1.35	10.73	490.34	680.25		1.49
SMDH 00157	21.8	20.53	0.09	4.84	18.63	37.17	4.34	15.02	2.64	0.78	1.59	0.29	0.89	0.27	0.27	0.27	0.52	0.25	8.61	0.62	10.26	437.52	688.05		
SMDH 00157	13.2	9.81	0.05	3.63	9.66	17.31	1.93	6.93	0.92	1.68	0.79	0.29	0.67	0.27	0.27	0.27	0.26	0.25	1.70	0.26	3.42	155.34	521.28		
SMDH 00157	10.2	8.15	0.05	2.42	8.50	17.18	1.81	5.78	0.92	1.45	0.57	0.29	0.28	0.27	0.27	0.27	0.26	0.25	2.15	0.26	6.96	332.70	558.56	0.59	1.60
SMDH 00157	19.7	18.68	0.05	3.63	18.28	35.22	3.98	13.87	2.07	1.34	1.25	0.29	0.55	0.27	0.27	0.27	0.26	0.25	5.33	0.62	9.20	412.67	489.91		
SMDH 00157	75.6	83.37	0.07	8.83	76.27	157.09	18.07	62.40	9.77	1.45	5.67	0.57	2.33	0.27	0.76	0.27	0.52	0.25	31.51	0.83	6.13	267.73	522.33		
SMDH 00157	63.9	61.99	0.07	13.78	54.03	107.00	13.13	45.07	7.70	1.23	5.22	0.57	3.22	0.55	1.08	0.27	1.03	0.25	16.21	1.15	6.13	254.63	505.34		1.60

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00157	136.2	152.77	0.11	15.23	138.44	281.76	33.01	114.40	17.36	1.23	10.67	1.03	4.33	0.55	1.08	0.27	0.93	0.25	58.93	1.35	12.50	565.99	823.10	0.63	
SMDH 00157	127.5	132.42	0.09	21.64	111.20	233.14	27.83	98.22	17.59	1.23	10.67	1.26	5.10	0.77	1.84	0.27	1.65	0.25	52.47	1.67	9.20	431.45	616.98		
SMDH 00157	113.2	104.37	0.11	28.65	80.69	173.05	20.96	76.27	13.11	1.12	9.76	1.26	5.88	1.10	2.27	0.27	2.38	0.25	38.31	1.67	8.61	387.27	691.35		1.45
SMDH 00157	99.1	86.93	0.10	28.77	70.56	151.36	17.83	62.40	12.07	1.23	7.94	1.15	5.55	0.99	2.27	0.27	2.38	0.25	29.13	2.50	9.55	404.83	620.27		
SMDH 00157	82.1	68.77	0.07	26.48	57.05	116.02	14.22	48.53	9.43	1.12	6.58	0.92	5.10	0.99	2.05	0.27	2.17	0.25	18.25	2.29	6.60	292.99	512.10	0.48	
SMDH 00157	73.4	78.22	0.07	10.03	68.70	142.59	16.38	58.93	9.08	1.56	5.56	0.57	2.33	0.27	0.86	0.27	0.72	0.25	29.81	1.04	7.67	330.14	486.79		1.68
SMDH 00158	177.6	182.93	0.10	32.76	162.08	350.62	39.39	134.04	25.41	1.34	14.87	1.72	7.77	1.21	3.24	0.27	2.99	0.25	79.45	2.81	24.53	1075.91	675.23		
SMDH 00158	98.9	98.07	0.12	20.19	85.11	213.03	20.84	71.64	13.45	1.45	8.06	1.03	4.55	0.77	1.84	0.27	1.76	0.25	45.11	1.56	10.50	457.92	711.46		
SMDH 00158	120.3	123.47	0.12	21.52	110.85	239.60	26.26	91.29	16.56	1.56	10.67	1.03	4.88	0.77	2.05	0.27	1.76	0.25	52.47	1.56	9.43	437.66	741.10	0.60	1.47
SMDH 00158	133.6	128.66	0.13	30.22	113.06	245.57	26.99	94.76	16.90	1.68	10.33	1.15	5.77	0.99	3.03	0.27	2.99	0.50	51.91	1.46	11.32	519.52	696.72		
SMDH 00158	108.0	112.77	0.10	17.53	105.84	232.41	23.61	84.36	13.68	1.34	8.28	0.92	3.88	0.66	1.73	0.27	1.65	0.25	46.92	1.04	9.43	431.72	647.32		
SMDH 00158	123.7	130.86	0.13	19.83	117.25	246.54	28.43	97.07	15.98	1.45	10.10	1.03	4.33	0.77	1.94	0.27	1.86	0.25	50.43	1.35	10.26	433.74	701.06	0.66	
SMDH 00158	96.8	95.62	0.11	19.83	87.79	180.85	20.00	70.49	12.65	1.34	7.26	0.92	4.22	0.66	1.73	0.27	1.65	0.25	39.21	1.15	8.49	384.57	602.76		
SMDH 00158	75.4	72.95	0.10	16.56	68.58	141.37	15.66	53.16	10.00	1.56	6.24	0.69	3.44	0.55	1.51	0.27	1.34	0.25	29.58	1.25	8.49	390.79	648.88		1.55
SMDH 00158	63.4	62.71	0.09	12.45	56.35	118.94	13.25	46.22	8.28	1.45	5.11	0.57	2.66	0.27	1.30	0.27	1.14	0.25	26.41	0.94	8.96	417.13	657.20		
SMDH 00158	66.3	70.41	0.08	8.83	64.27	135.76	14.46	53.16	9.54	1.56	5.11	0.57	2.22	0.27	0.86	0.27	0.62	0.25	27.20	0.73	4.25	189.11	555.09	0.33	
SMDH 00158	89.9	96.40	0.08	12.81	89.54	190.36	20.84	71.64	13.91	1.56	8.06	0.80	3.11	0.27	0.97	0.27	0.93	0.25	41.37	1.46	11.67	521.54	443.10		1.61
SMDH 00158	38.5	40.46	0.09	5.08	41.10	84.46	8.79	30.04	5.06	1.79	3.29	0.29	1.33	0.27	0.27	0.27	0.26	0.25	15.07	0.62	9.43	427.12	739.54		
SMDH 00158	88.0	101.23	0.09	7.25	98.50	206.93	22.17	76.27	13.57	1.68	7.60	0.69	2.11	0.27	0.54	0.27	0.26	0.25	41.03	1.25	10.73	498.45	780.63		
SMDH 00158	63.5	70.61	0.08	5.92	88.03	193.04	14.46	54.31	11.38	1.45	4.77	0.29	1.55	0.27	0.27	0.27	0.26	0.25	25.95	0.73	9.55	428.34	729.66	0.36	1.52
SMDH 00158	52.1	56.87	0.05	6.04	54.14	109.32	12.17	42.76	7.01	1.34	4.31	0.29	1.66	0.27	0.54	0.27	0.26	0.25	25.27	0.73	9.79	438.20	426.63		
SMDH 00158	117.1	133.93	0.11	10.64	130.99	270.18	29.15	100.53	16.79	1.68	9.65	0.92	3.33	0.27	0.86	0.27	0.52	0.25	53.72	1.04	11.79	510.74	811.31		1.69
SMDH 00159	315.1	322.77	0.10	58.27	255.58	555.12	67.46	240.35	34.61	1.56	25.19	2.52	12.43	2.08	4.75	0.64	4.65	0.60	125.01	4.89	34.08	1588.27	309.79		
SMDH 00159	148.9	140.83	0.12	35.66	115.15	265.80	29.52	102.84	14.26	1.90	11.12	1.15	7.32	1.42	3.46	0.53	3.41	0.50	51.57	1.98	7.55	343.64	588.20		
SMDH 00159	149.7	133.83	0.13	41.95	111.78	233.87	28.07	97.07	15.41	2.01	11.24	1.26	7.44	1.53	3.67	0.53	3.92	0.50	49.07	1.98	9.43	423.07	390.40		1.34
SMDH 00159	185.2	177.14	0.15	43.16	149.04	306.50	37.35	129.42	19.43	2.23	14.30	1.61	8.77	1.64	3.67	0.64	3.10	0.25	60.63	1.87	9.91	462.92	519.03	1.66	
SMDH 00159	49.2	52.14	0.07	7.13	53.79	104.93	12.17	38.13	7.01	2.12	3.75	0.29	1.55	0.27	0.86	0.27	0.52	0.25	18.13	0.52	6.37	274.89	441.89		
SMDH 00159	136.7	138.79	0.14	28.29	125.63	262.87	32.04	99.38	18.97	1.68	11.46	1.38	5.99	0.99	3.24	0.27	2.58	0.25	51.79	1.56	14.15	557.88	527.01		1.49
SMDH 00159	151.1	151.10	0.13	32.16	137.51	283.96	33.73	109.78	18.05	1.56	12.37	1.38	6.21	1.21	3.78	0.27	3.30	0.25	56.55	1.67	12.15	459.54	514.00		
SMDH 00159	130.5	137.81	0.13	23.57	127.03	276.89	32.41	99.38	18.05	1.56	11.35	1.15	4.88	0.88	2.59	0.27	2.07	0.25	51.79	1.46	10.73	474.54	697.24	1.39	
SMDH 00159	75.3	79.44	0.10	12.69	72.89	149.41	18.31	57.78	10.23	1.45	5.90	0.80	2.55	0.27	1.30	0.27	1.03	0.25	28.11	0.73	9.20	371.20	698.80		
SMDH 00159	146.8	147.02	0.14	31.07	125.87	270.06	32.89	106.31	20.12	1.56	12.14	1.61	6.21	1.21	3.46	0.27	2.27	0.25	53.61	1.35	12.74	467.78	554.92		
SMDH 00159	121.8	126.21	0.11	22.37	114.34	239.60	28.55	91.29	15.98	1.79	9.76	1.26	5.10	0.88	2.16	0.27	2.07	0.25	47.83	1.15	10.85	408.35	514.00		
SMDH 00159	155.8	154.98	0.13	35.06	142.63	297.97	35.78	110.93	21.16	1.56	12.82	1.61	6.66	1.42	3.89	0.53	3.41	0.25	59.39	1.56	13.09	527.89	870.77	0.77	1.55
SMDH 00159	145.1	144.04	0.13	32.40	132.04	275.18	33.01	104.00	19.32	1.68	11.58	1.26	5.77	1.21	3.67	0.27	3.51	0.50	54.17	1.46	11.56	431.72	528.74		
SMDH 00159	105.7	109.17	0.11	17.77	95.24	197.18	22.89	82.04	11.61	1.68	7.26	0.69	3.55	0.66	1.40	0.27	1.65	0.25	39.67	1.04	15.09	507.90	830.90		
SMDH 00159	111.0	117.81	0.13	16.93	104.68	220.34	25.30	87.82	12.07	1.56	8.06	0.80	3.88	0.55	1.30	0.27	1.24	0.25	42.61	1.35	21.93	823.18	723.42		1.60
SMDH 00159	130.4	135.31	0.12	23.09	122.72	257.39	29.64	100.53	13.45	1.68	9.99	1.03	4.11	0.88	1.94	0.27	1.96	0.25	47.94	1.25	14.27	472.37	672.97	0.50	
SMDH 00160	92.4	87.12	0.05	23.09	80.22	168.67	18.43	63.56	10.58	0.67	6.81	0.80	4.33	0.77	2.59	0.27	2.17	0.25	34.68	1.56	11.67	559.10	358.85	0.42	
SMDH 00160	123.9	115.82	0.09	30.83	106.77	227.41	24.21	84.36	13.80	1.45	9.08	1.15	6.10	1.10	3.13	0.27	2.68	0.25	46.35	1.77	13.92	620.02	588.20		
SMDH 00160	120.7	116.12	0.11	28.17	109.33	220.83	25.18	84.36	14.14	1.56	9.31	1.15	5.44	0.99	3.24	0.27	2.48	0.25	43.18	1.04	7.55	340.40	558.56		1.38
SMDH 00160	72.2	70.27	0.09	15.11	64.97	136.13	14.70	52.00	8.39	1.56	5.33	0.57	3.00	0.55	1.73	0.27	1.34	0.25	24.48	0.73	7.31	340.81	505.51		
SMDH 00160	95.5	99.43	0.09	16.20	96.29	202.06	21.56	73.96	11.84	1.45	7.04	0.80	3.11	0.55	1.73	0.27	1.45	0.25	36.61	0.83	7.90	362.42	571.04		1.72
SMDH 00160	137.6	154.90	0.13	30.10	186.41	409.73	48.79	100.53	14.03	1.34	8.62	0.92	4.66	0.88	2.59	0.27	2.17	0.25	69.02	1.04	9.55	413.75	723.94		
SMDH 00160	103.1	110.83	0.10	14.51	104.33	218.39	23.61	83.20	12.76	1.34	7.04	0.80	3.22	0.55	1.40	0.27	1.03	0.25	39.44	1.04	11.20	510.47	705.22	0.32	
SMDH 00160	122.4	134.65	0.09	16.08	125.98	258.97	29.88	100.53	15.18	1.56	9.08	0.80	3.44	0.55	1.30	0.27	1.14	0.25	49.30	1.15	9.79	411.59	552.32		
SMDH 00160	132.8	137.15	0.09	23.82	128.66	268.11	29.88	101.69	15.87	1.68	9.42	1.03	4.55	0.88	2.27	0.27	2.48	0.25	51.57	1.15	8.37	373.36	553.88		
SMDH 00160	119.8	124.34	0.09	20.91	116.78	245.93	26.99	92.44	14.95	1.56	8.40	0.92	3.99	0.77	1.94	0.27	1.86	0.25	46.13	1.04	8.37	356.34	505.51	0.31	1.74
SMDH 00161	150.9	130.67	0.09	46.54	121.21	241.42	27.71	93.60	17.25	1.34	11.35	1.38	7.99	1.53	3.89	0.64	3.92	0.70	47.83	2.92	24.53	1072.54	611.60		
SMDH 00161	126.9	118.19	0.16	32.64	108.87	256.54	25.54	85.51	14.83	1.56	8.85	1.15	5.99	1.21	3.24	0.53	3.30	0.50	48.73	2.29	15.45	655.14	784.79		
SMDH 00161	110.2	107.15	0.11	24.30	96.41	197.67	22.77	78.58	12.88	1.56	8.17	1.03	4.77	0.88	2.16	0.27	1.86	0.25	40.23	1.56	9.79	423.21	764.51		1.59
SMDH 00161	146.0	121.47	0.13	48.48	102.00	201.45	25.66	86.67	15.18	1.68	10.10	1.26	7.88	1.64	4.32	0.74	3.92	0.60	40.35	1.98	9.67	396.46	695.51	0.65	
SMDH 00161	115.2	105.37	0.13	30.59	93.61	198.40	22.41	76.27	13.11	1.68	8.97	1.03	5.66	1.10	2.81	0.27	2.48	0.25	39.21	1.87	9.20	381.33	669.33		
SMDH 00161	154.3	142.14	0.13	40.62	128.20	247.40	30.48	102.84	16.67	2.01	10.67	1.38	7.44	1.53	3.35	0.53	3.51	0.50	41.14	2.19	9.91	438.47	733.30		1.63
SMDH 00161	123.0	110.11	0.13	34.45	93.85	195.36	23.13	79.73	12.88	1.56	8.62	1.15	6.10	1.21	3.03	0.53	3.10	0.50	37.17	1.87	15.45	674.59	879.96		
SMDH 00161	89.2	79.63	0.13	24.30	68.23	137.83	16.38	57.78	9.89	1.68	6.36	0.80	4.66	0.88	1.94	0.27	2.17	0.25	23.01	1.35	5.66	248.41	650.61	0.36	
SMDH 00161	120.1	107.46	0.13	34.33	100.60	199.50	23.01	77.42	11.61	1.34	7.60	1.03	5.99	1.21	2.81	0.27	2.99	0.25	36.49	1.56	12.62	551.26	672.45		1.74
SMDH 00161	136.4	120.46	0.14	40.26	113.87	223.75	25.54	86.67	11.96	1.23	8.06	1.15	7.10	1.53	3.78	0.64	4.03	0.60	38.08	1.35	13.33	575.31	606.92		
SMDH 00161	168.8	154.83	0.15	45.70	145.54	289.07	33.37	112.09	15.87	1.68	10.55	1.38	7.99	1.64	3.89	0.64	4.13	0.70	53.38	1.35	13.68	595.70	711.46		
SMDH 00161	178.3	174.79	0.15	39.17	165.80	317.10	37.71	128.27	19.20	2.01	12.03	1.38	7.44	1.53	3.57	0.53	3.72	0.60	57.35	1.77	14.15	601.11	803.51	0.36	1.72
SMDH 00161	123.4	116.45	0.11	30.22	111.66	217.42	24.70	85.51	11.50	1.45	7.49	0.92	5.33	1.10	2.81	0.27	2.79	0.25	39.55	1.46	13.33	577.20	610.04		
SMDH 00161	123.4	116.45	0.11	30.22	111.66	217.42	24.70	85.51	11.50	1.45	7.49	0.92	5.33	1.10	2.81	0.27	2.79	0.25	39.55	1.46	13.33	577.20	610.04		
SMDH 00162	142.8	140.67	0.09	30.59	115.50	240.57	29.64	104.00	14.60	1.23	10.55	1.26	5.77	1.10	2.70	0.27	3.20	0.25	52.02	2.50	41.27	1450.76	477.95		
SMDH 00162	133.0	127.99	0.13	30.59	110.03	221.19	27.59	93.60	14.03	2.01	10.21	1.15	5.66	1.21	2.49	0.27	2.79	0.25	43.18	1.87	19.93	681.75	839.57		
SMDH 00162	109.5	112.30	0.10	19.34	99.20	201.08	23.85	83.20	12.19	1.68	8.28	0.92	4.33	0.77	1.40	0.27	1.34	0.25	39.33	1.56	16.86	584.63	587.51		
SMDH 00162	135.7	125.47	0.11	34.94	107.82	226.80	26.26	91.29	14.95	1.56	10.78	1.26	6.66	1.31	3.03	0.53	3.51	0.25	43.75	2.50	14.15	512.90	631.71	1.31	
SMDH 00162	142.4	126.12	0.13	40.74	105.26	219.97	25.90	91.29	14.37	1.45	10.78	1.49	7.44	1.42	3.24	0.53	3.51	0.25	42.73	2.19	15.45	512.90	622.53		
SMDH 00162	162.5	143.58	0.13	46.79	120.98	241.30	29.88	104.00	15.75	2.01	11.58	1.49	8.21	1.64	3.89	0.64	4.54	0.50	43.97	2.08	18.99	641.49	716.83		
SMDH 00162	135.0	126.23	0.13	35.91	123.89	254.71	29.15	87.82	15.52	2.01	11.69	1.38	7.88	1.53	3.78	0.53	3.41	0.25	41.37	1.98	10.50	454.68	736.42		
SMDH 00162	130.0	106.23	0.11	45.09	98.50	206.93	23.13	73.96	13.22	1.79	9.87	1.38	7.77	1.64	4.75	0.74	4.34	0.50	40.23	1.98	8.96	417.13	541.74	0.91	1.45
SMDH 00162	128.2	104.13	0.10	45.34	94.43	200.23	23.01	71.64	13.11	1.79	10.67	1.38	8.10	1.64	4.54	0.74	4.23	0.60	34.79	1.98	9.20	415.91	560.98		
SMDH 00162	122.2	114.19	0.11	32.52	108.52	230.21	26.38	80.89	14.37	1.90	10.89	1.15	5.77	1.21	3.46	0.53	3.10	0.25	42.27	1.67	7.78	360.66	505.34		
SMDH 00162	127.6	108.98	0.13	41.47	100.37	217.42	24.46	76.27	13.11	1.56	11.12	1.26	6.99	1.64	4.65	0.74	4.54	0.60	39.67	2.08	9.55	435.90	665.86		1.70
SMDH 00162	111.8	94.15	0.11	36.15	79.41	164.16	19.88	67.02	11.84	1.34	7.94	1.15	6.10	1.42	4.21	0.53	3.61	0.60	34.79	1.67	8.61	359.45	567.57	0.76	
SMDH 00162	111.9	94.04	0.09	36.39	76.85	160.50	19.88	67.02	12.99	1.34	8.28	1.03	6.10	1.42	4.11	0.53	3.72	0.70	32.30	1.77	10.14	396.05	494.93		
SMDH 00162	110.5	94.16	0.10	34.94	78.01	163.06	20.00	67.02	12.42	1.45	8.06	1.03	6.10	1.31	3.89	0.53	3.30	0.50	34.68	1.67	8.14	326.35	551.80		1.78

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00162	138.0	118.10	0.13	44.01	96.06	203.16	25.42	83.20	14.72	1.34	10.44	1.38	8.10	1.75	4.97	0.64	4.03	0.60	42.50	2.50	11.56	471.83	698.46		
SMDH 00162	130.0	112.76	0.11	40.26	90.35	189.51	24.21	79.73	14.03	1.23	9.42	1.26	7.55	1.53	4.21	0.53	3.30	0.60	41.25	2.81	8.25	359.18	827.78	0.79	
SMDH 00163	178.3	166.87	0.09	44.61	149.85	311.01	34.45	122.49	22.08	1.23	13.50	1.61	8.32	1.64	3.89	0.64	4.03	0.60	59.39	3.75	30.78	1276.51	489.04		
SMDH 00163	132.7	113.69	0.12	40.74	105.96	184.51	23.61	82.04	14.60	1.90	9.76	1.26	6.77	1.42	3.35	0.53	3.10	0.25	34.11	1.67	10.85	458.87	598.08		1.55
SMDH 00163	45.9	40.05	0.06	13.66	36.44	72.51	8.43	28.89	4.83	0.67	3.52	0.29	2.44	0.27	1.08	0.27	1.24	0.25	13.60	0.73	4.25	176.14	245.30	0.85	
SMDH 00163	130.1	135.59	0.13	21.88	124.82	256.41	28.91	100.53	17.02	1.56	10.21	1.15	4.99	0.77	1.62	0.27	1.34	0.25	47.03	1.77	11.44	467.92	780.97		
SMDH 00163	108.1	101.19	0.10	26.96	91.63	188.04	21.32	73.96	13.45	1.23	8.28	1.03	4.88	0.99	2.27	0.27	2.17	0.25	35.02	1.77	8.25	354.99	732.78		1.65
SMDH 00163	149.1	136.98	0.15	38.69	123.07	253.73	28.19	100.53	17.71	1.68	11.46	1.26	6.99	1.42	3.35	0.53	3.20	0.50	48.05	2.60	11.91	487.37	805.07		
SMDH 00163	159.8	118.93	0.18	63.95	96.99	201.33	24.70	83.20	14.83	1.56	10.33	1.49	9.54	1.86	8.00	0.85	5.78	0.80	38.76	2.19	10.61	431.31	875.63		1.62
SMDH 00163	140.3	122.74	0.13	41.10	103.16	211.44	25.18	88.98	15.18	1.68	9.76	1.26	7.32	1.42	3.46	0.53	3.30	0.25	39.89	1.87	11.44	559.64	733.30		
SMDH 00163	94.7	74.59	0.11	34.45	63.22	129.55	15.30	53.16	8.97	1.01	6.01	0.80	5.33	1.21	3.13	0.53	3.20	0.25	23.91	1.35	9.67	415.78	605.36		
SMDH 00163	110.9	93.91	0.10	35.06	81.04	165.50	19.15	68.18	10.46	1.12	6.81	0.92	5.66	1.21	3.24	0.53	3.61	0.50	32.53	1.46	11.56	508.58	627.21	0.43	1.63
SMDH 00163	125.9	108.09	0.11	38.20	92.10	189.51	21.93	78.58	13.11	1.56	8.85	1.15	6.44	1.31	3.24	0.53	3.10	0.25	35.36	2.50	11.20	506.14	697.42		
SMDH 00163	127.4	104.34	0.12	42.68	89.31	183.90	21.20	75.11	12.99	1.56	8.28	1.15	6.88	1.42	3.67	0.64	3.61	0.25	35.13	2.60	10.61	469.27	663.09		
SMDH 00163	92.6	78.91	0.08	28.53	66.95	137.59	16.38	56.62	9.77	1.56	6.24	0.80	5.10	0.99	2.49	0.27	2.48	0.25	25.95	1.87	7.55	325.54	454.02		1.62
SMDH 00163	109.6	87.61	0.09	38.57	76.03	155.02	18.19	62.40	10.92	1.56	7.60	0.92	6.10	1.31	3.57	0.64	3.72	0.50	28.56	2.08	7.43	357.15	583.52	0.33	
SMDH 00163	122.9	99.67	0.13	41.71	83.60	178.17	20.00	71.64	12.76	1.56	8.28	1.15	6.88	1.53	3.78	0.64	3.82	0.50	32.41	2.71	11.20	477.64	613.16		
SMDH 00164	160.4	157.64	0.09	34.94	125.17	263.48	33.49	115.56	18.51	1.34	11.35	1.49	7.10	1.31	3.57	0.53	3.20	0.60	56.33	3.44	22.52	890.85	845.29		
SMDH 00164	119.6	111.50	0.15	29.86	89.31	184.27	23.25	80.89	13.68	1.45	9.19	1.15	6.21	1.10	3.24	0.27	2.79	0.25	38.42	2.19	10.26	444.14	648.18		
SMDH 00164	100.0	85.89	0.17	30.83	69.40	142.71	17.95	61.24	10.35	1.23	7.72	1.03	5.66	1.10	3.46	0.53	2.89	0.60	29.24	1.98	7.55	310.41	475.17	1.55	
SMDH 00164	62.3	51.94	0.12	20.43	47.16	92.62	11.32	35.82	7.70	1.23	5.11	0.69	4.11	0.66	2.05	0.27	1.65	0.25	17.23	1.15	5.07	215.32	519.38		
SMDH 00164	102.1	85.88	0.20	33.00	76.38	152.22	18.43	60.09	12.07	1.68	8.85	1.03	6.33	1.31	3.57	0.27	2.58	0.25	29.58	2.19	9.67	395.24	686.84		
SMDH 00164	52.3	47.28	0.13	13.90	42.50	85.43	10.48	33.51	6.67	1.56	4.77	0.29	3.00	0.55	1.40	0.27	1.24	0.25	17.34	1.04	4.95	228.56	495.11		1.53
SMDH 00164	109.9	97.52	0.18	30.47	81.74	162.33	19.52	71.64	11.96	1.45	8.85	1.03	5.33	1.10	3.46	0.27	2.99	0.25	34.11	2.08	6.60	284.21	648.01	0.90	
SMDH 00164	90.7	80.06	0.16	25.27	67.53	133.45	16.26	57.78	9.77	1.68	7.49	0.92	5.10	0.88	2.59	0.27	2.27	0.25	25.95	1.77	6.37	269.48	757.22		
SMDH 00164	96.2	87.89	0.13	25.27	76.85	154.04	18.31	63.56	10.58	1.34	8.28	0.92	5.10	0.77	2.27	0.27	2.27	0.25	30.94	2.08	6.37	260.03	686.84		1.40
SMDH 00164	106.1	112.08	0.10	16.44	102.23	201.45	23.85	83.20	13.34	1.45	10.44	1.03	3.99	0.66	1.30	0.27	0.83	0.25	38.99	2.29	6.49	270.16	662.57		
SMDH 00164	100.3	100.88	0.13	19.10	88.49	178.42	21.56	73.96	13.11	1.90	9.31	0.92	4.44	0.77	1.94	0.27	1.76	0.25	32.75	2.29	6.49	253.68	691.70	0.67	
SMDH 00164	93.4	84.42	0.16	25.87	76.50	153.19	18.19	60.09	12.19	1.34	8.85	1.03	5.10	0.77	2.49	0.27	1.86	0.25	29.81	2.19	9.79	377.55	798.48		
SMDH 00164	139.0	119.56	0.12	42.07	107.94	217.78	24.46	85.51	15.87	1.79	11.92	1.38	8.21	1.42	3.46	0.53	3.30	0.25	39.55	3.64	9.32	423.07	816.17		
SMDH 00164	146.8	112.26	0.16	55.37	97.34	198.04	22.65	78.58	14.37	1.79	11.01	1.49	9.54	1.97	4.97	0.85	5.37	0.70	37.06	3.85	10.38	437.79	802.12		
SMDH 00164	209.1	165.20	0.21	74.83	137.98	288.83	32.77	116.71	19.66	1.79	17.25	2.18	13.54	2.52	6.81	1.27	8.16	1.11	55.87	4.79	9.79	437.12	851.01	1.83	
SMDH 00165	214.6	219.04	0.08	41.10	195.84	393.76	47.10	161.78	27.59	1.56	16.34	1.84	8.32	1.53	3.89	0.64	3.72	0.50	76.84	4.27	25.35	1106.85	382.25		1.34
SMDH 00165	76.6	73.88	0.08	17.29	65.32	134.06	15.66	54.31	9.43	1.12	5.45	0.69	3.22	0.66	1.62	0.27	1.55	0.25	26.52	1.46	10.97	484.26	515.74		
SMDH 00165	61.5	59.99	0.09	13.90	55.42	111.63	13.13	43.91	7.47	0.78	4.88	0.29	2.66	0.55	1.40	0.27	1.45	0.25	21.53	1.56	9.67	407.40	521.81	0.81	
SMDH 00165	90.5	84.08	0.12	23.09	74.05	151.48	17.71	61.24	10.81	1.01	6.81	0.80	4.33	0.88	2.49	0.27	2.68	0.25	30.49	2.19	11.20	497.09	594.62		1.40
SMDH 00165	71.1	66.42	0.09	17.65	58.22	120.04	14.09	48.53	8.28	1.12	5.11	0.69	3.11	0.66	1.62	0.27	1.76	0.25	23.80	1.35	9.79	425.23	649.22		
SMDH 00165	53.8	50.33	0.07	13.06	46.81	92.99	10.84	36.98	6.44	1.23	3.63	0.29	2.22	0.27	1.19	0.27	1.24	0.25	17.45	0.94	8.25	366.88	511.23		
SMDH 00165	29.2	22.61	0.09	9.79	21.31	41.56	4.70	16.18	2.87	1.45	1.70	0.29	1.44	0.27	1.08	0.27	1.24	0.25	7.03	0.73	7.78	351.07	526.31	0.60	1.54
SMDH 00165	51.6	34.77	0.09	22.37	28.41	58.86	7.11	24.27	4.37	1.56	2.84	0.29	3.11	0.77	2.16	0.27	2.79	0.25	10.43	1.04	5.66	221.40	514.18		
SMDH 00165	59.3	41.06	0.06	25.15	35.63	72.63	8.55	28.89	5.40	1.68	3.40	0.29	3.33	0.88	2.70	0.27	3.20	0.25	14.39	0.94	4.72	220.59	402.02		
SMDH 00166	185.4	186.57	0.06	35.91	164.41	324.66	38.31	138.67	22.88	1.23	14.53	1.61	7.99	1.31	3.13	0.27	2.68	0.25	69.81	3.96	15.92	692.29	355.04		1.35
SMDH 00166	69.4	68.06	0.07	14.14	61.13	126.26	14.58	49.69	9.31	1.79	5.45	0.69	3.11	0.27	1.19	0.27	1.14	0.25	24.59	1.25	6.25	262.87	432.35	0.81	
SMDH 00166	67.9	56.46	0.10	21.64	49.02	98.96	11.44	40.44	7.24	1.23	5.22	0.69	3.88	0.77	1.94	0.27	1.76	0.25	17.34	1.46	14.74	722.27	591.67		
SMDH 00166	70.5	45.28	0.17	32.28	31.90	67.52	8.43	30.04	6.90	1.34	6.01	1.03	5.77	1.10	2.59	0.27	1.76	0.25	8.05	1.46	5.90	255.44	811.48		1.45
SMDH 00166	63.1	61.42	0.08	13.30	54.38	111.88	12.89	45.07	8.51	1.23	5.67	0.57	2.89	0.27	1.19	0.27	0.72	0.25	21.31	1.56	6.25	261.92	549.20		
SMDH 00166	41.5	35.62	0.05	12.45	31.32	65.44	7.47	25.42	4.94	0.89	3.52	0.29	2.44	0.27	1.08	0.27	0.93	0.25	11.45	0.83	3.89	174.25	452.12		
SMDH 00166	88.6	77.77	0.12	25.75	61.94	135.28	16.50	55.47	10.35	1.56	7.04	0.80	4.99	0.88	2.05	0.27	1.76	0.25	23.91	1.35	11.56	521.54	706.08		1.46
SMDH 00166	72.4	62.05	0.12	21.04	52.05	109.93	12.41	45.07	8.85	1.68	5.56	0.69	3.88	0.66	1.84	0.27	1.45	0.25	19.04	1.15	7.31	324.19	764.51		
SMDH 00166	170.6	130.04	0.16	64.56	107.12	224.36	26.26	91.29	17.02	2.23	12.03	1.72	10.76	2.19	5.51	0.96	5.99	0.80	45.79	2.81	7.31	320.14	635.01		
SMDH 00166	146.7	115.07	0.17	52.95	96.53	203.40	22.77	82.04	14.83	1.45	9.76	1.38	8.88	1.86	5.19	0.85	5.37	0.70	43.63	3.33	9.08	356.34	731.74	0.66	1.50
SMDH 00166	105.0	87.01	0.12	34.33	73.82	153.92	17.59	62.40	11.27	1.23	7.15	1.03	5.99	1.21	3.03	0.53	3.20	0.25	29.58	2.08	6.72	288.80	714.58		
SMDH 00166	144.1	118.02	0.16	48.72	99.90	208.64	23.85	84.36	15.98	1.23	10.44	1.38	8.43	1.64	4.21	0.74	4.23	0.60	42.95	2.81	7.55	320.95	862.80		
SMDH 00166	142.3	116.31	0.16	48.84	104.21	210.22	23.85	83.20	14.49	1.01	9.65	1.26	7.99	1.64	4.21	0.85	4.96	0.70	43.52	3.33	9.79	410.10	845.64		1.46
SMDH 00166	152.3	116.94	0.15	58.39	103.51	210.59	23.97	82.04	14.72	0.89	9.99	1.38	9.54	1.97	5.40	0.96	5.99	0.91	45.45	3.33	7.55	324.87	781.67	0.65	
SMDH 00166	197.5	112.68	0.25	105.06	86.05	174.52	21.08	75.11	13.57	0.89	10.33	1.95	14.54	3.40	9.40	1.70	10.95	1.51	34.91	2.81	10.50	470.75	812.87		
SMDH 00166	106.3	76.49	0.15	43.76	71.14	133.45	15.42	53.16	9.89	1.45	6.92	1.03	6.88	1.42	4.32	0.74	5.06	0.80	24.37	1.67	8.02	311.09	598.26		1.42
SMDH 00166	155.0	135.28	0.16	46.42	126.22	247.76	28.07	97.07	17.59	1.34	11.12	1.49	8.66	1.53	4.32	0.74	5.06	0.80	52.02	2.71	12.62	488.18	806.11		
SMDH 00166	160.3	171.79	0.10	23.45	156.72	316.50	36.86	127.11	22.99	1.90	13.50	1.49	6.33	0.88	1.62	0.27	1.03	0.25	70.95	3.64	11.32	436.58	646.97	0.37	
SMDH 00166	123.4	126.79	0.09	21.52	114.57	227.41	26.38	93.60	16.79	1.45	9.99	1.15	5.66	0.66	1.40	0.27	0.93	0.25	48.05	2.60	8.96	336.62	567.40		1.65
SMDH 00167	86.7	74.13	0.07	26.84	69.51	134.18	15.18	53.16	9.66	0.89	6.01	0.80	4.99	0.88	2.27	0.27	2.27	0.25	27.20	3.12	9.79	391.87	362.49		
SMDH 00167	120.8	96.37	0.13	41.95	87.79	170.25	19.28	68.18	12.30	1.79	8.40	1.26	7.66	1.31	3.67	0.64	3.92	0.60	31.73	3.75	11.20	415.64	611.60		
SMDH 00167	122.7	86.54	0.10	51.14	77.08	149.78	16.87	60.09	11.61	1.90	8.28	1.26	8.32	1.53	4.43	0.74	4.85	0.70	24.48	3.44	9.55	379.30	615.94	1.04	1.38
SMDH 00167	88.0	58.79	0.09	39.17	53.21	101.03	11.32	40.44	7.70	1.34	5.79	0.92	6.10	1.21	3.35	0.53	3.51	0.60	18.02	2.92	5.42	204.38	498.06		
SMDH 00167	114.1	78.97	0.13	48.84	71.49	134.67	15.30	54.31	10.23	1.56	7.04	1.15	8.21	1.42	4.43	0.74	4.44	0.80	23.80	3.33	7.78	286.23	742.66		1.60
SMDH 00167	105.1	67.34	0.12	49.20	60.66	115.53	13.13	45.07	8.85	1.68	6.24	1.15	7.99	1.42	4.00	0.64	4.03	0.60	19.72	3.12	6.49	249.90	610.04	0.78	
SMDH 00167	136.8	94.85	0.17	58.75	86.40	167.33	18.55	64.71	11.50	1.79	8.74	1.38	10.21	1.75	4.75	0.85	5.16	0.80	29.24	3.96	9.79	369.44	816.34		
SMDH 00167	109.9	74.80	0.10	48.24	67.65	133.81	14.82	50.84	9.66	1.68	7.15	1.15	7.99	1.42	3.89	0.74	4.54	0.70	21.99	3.33	13.33	495.20	542.26		1.54
SMDH 00167	149.3	93.68	0.16	71.33	74.98	150.27	17.35	62.40	12.65	1.68	9.87	1.84	12.10	2.19	5.51	0.85	5.37	0.91	20.97	3.54	9.20	362.82	708.86		
SMDH 00167	115.3	78.65	0.14	51.14	78.24	147.22	16.02	53.16	9.54	1.56	7.49	1.15	8.32	1.53	4.65	0.74	5.06	0.80	26.52	3.75	8.14	328.65	705.91	0.61	
SMDH 00167	139.3	97.29	0.19	59.60	90.24	171.35	19.28	65.87	13.80	1.68	9.31	1.61	10.54	1.75	4.86	0.85	5.47	0.91	30.03	4.27	9.67	364.85	903.36		1.52
SMDH 00167	91.9	76.59	0.12	30.34	74.29	150.27	16.14	54.31	9.20	1.12	6.01	0.92	5.22	0.99	2.59	0.27	2.99	0.50	26.29	3.33	16.16	652.98	664.65		
SMDH 00167	100.8	73.81	0.13	40.38	65.32	135.52	14.94	50.84	10.00	1.56	6.24	1.03	6.99	1.31	3.67	0.64	4.54	0.60	22.78	3.02	13.80	538.02	663.61		
SMDH 00167	113.6	82.39	0.09	46.18	70.79	148.32	16.62	56.62	10.69	1.68	8.28	1.26	7.88	1.53	4.00	0.74	4.75	0.70	24.14	3.12	11.79	449.68	543.47	0.78	1.47
SMDH 00167	121.5	87.36	0.10	50.05	75.22	154.90	17.47	60.09	11.96	1.56	8.17	1.26	8.54	1.53	4.11	0.64	4.54	0.60	26.07	3.54	12.62	523.03	569.30		
SMDH 00167	116.0	88.59	0.11	43.52	80.22	161.23	17.83	62.40	11.27	1.68	7.60	1.15	7.21	1.42	3.57	0.64	4.23	0.50	26.63	2.81	13.56	526.68	665.00		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00167	78.1	78.57	0.08	14.87	80.11	157.21	17.23	57.78	8.97	1.90	5.45	0.57	3.00	0.27	0.97	0.27	1.03	0.25	33.66	1.56	6.84	275.02	580.75		1.60
SMDH 00167	71.8	74.50	0.05	11.00	76.50	149.90	16.02	55.47	8.97	2.35	4.88	0.57	2.44	0.27	0.76	0.27	0.62	0.25	31.39	1.04	2.36	95.10	351.92	0.59	
SMDH 00167	70.1	76.11	0.04	9.19	79.53	155.02	16.87	56.62	9.89	1.68	4.99	0.29	2.33	0.27	0.65	0.27	0.26	0.25	33.32	1.15	2.00	74.29	197.45		
SMDH 00167	118.0	97.02	0.15	40.38	92.10	181.46	20.48	68.18	11.38	1.12	7.94	1.15	7.21	1.31	3.78	0.64	4.54	0.70	34.91	2.92	10.38	401.32	679.73		1.48
SMDH 00167	122.8	96.02	0.16	44.73	91.52	179.39	19.03	68.18	11.73	1.12	7.60	1.15	7.66	1.53	4.00	0.74	4.96	0.60	34.57	3.12	7.55	293.26	852.57		
SMDH 00167	169.6	130.66	0.21	64.56	122.96	243.01	26.62	92.44	15.52	1.01	10.67	1.49	10.10	2.08	5.62	1.06	6.40	0.80	47.15	5.10	10.61	412.26	957.10	40.97	
SMDH 00167	175.3	145.26	0.23	59.00	140.07	275.67	30.12	104.00	18.17	1.12	10.89	1.49	9.65	1.86	5.19	0.85	5.89	0.70	52.81	6.35	10.50	407.67	679.56		1.49
SMDH 00168	125.7	102.22	0.10	42.80	91.75	195.72	20.84	72.80	13.22	1.56	8.40	1.15	7.44	1.31	3.35	0.64	4.03	0.50	34.00	2.40	14.39	563.82	758.44		
SMDH 00168	110.1	89.35	0.13	37.48	80.34	165.26	18.43	63.56	11.15	1.68	7.72	1.03	6.33	1.21	3.24	0.53	3.51	0.25	29.81	2.29	11.67	455.22	870.77		
SMDH 00168	79.6	66.34	0.09	25.75	61.13	125.89	13.61	47.38	8.16	1.12	5.67	0.80	4.55	0.88	2.27	0.27	2.48	0.25	23.69	1.87	8.25	332.97	599.12	1.94	1.58
SMDH 00168	78.5	81.92	0.07	12.94	77.20	159.53	17.59	60.09	10.69	1.23	6.92	0.80	3.44	0.27	0.86	0.27	0.72	0.25	32.75	2.60	13.44	506.96	656.85		
SMDH 00168	87.2	90.86	0.05	14.02	82.09	177.56	19.03	67.02	12.99	1.34	7.60	0.92	3.88	0.27	0.97	0.27	0.62	0.25	36.49	2.50	8.84	346.62	737.29		
SMDH 00168	103.5	103.26	0.04	19.71	88.37	181.46	20.96	76.27	13.91	1.45	9.65	1.15	4.88	0.66	1.30	0.27	0.83	0.25	38.53	2.60	8.14	323.38	644.02		1.46
SMDH 00168	94.7	96.30	0.05	16.44	83.95	170.37	19.52	71.64	13.22	1.45	8.97	0.92	4.22	0.55	1.08	0.27	0.62	0.25	35.36	2.71	8.14	309.20	694.12	0.79	
SMDH 00168	147.2	119.27	0.11	50.17	99.20	205.11	23.61	85.51	15.87	1.34	11.58	1.49	8.66	1.64	4.32	0.74	4.65	0.60	43.86	3.44	7.67	295.01	764.85		
SMDH 00168	83.5	93.01	0.05	8.70	85.81	172.93	19.40	70.49	11.04	1.23	7.26	0.57	2.55	0.27	0.65	0.27	0.26	0.25	34.91	1.77	8.96	345.80	624.78		1.44
SMDH 00168	24.6	24.48	0.05	3.51	22.59	42.78	4.82	18.49	2.99	1.45	1.59	0.29	0.89	0.27	0.27	0.27	0.26	0.25	7.37	0.73	8.14	307.71	483.32		
SMDH 00168	56.7	61.30	0.05	6.77	64.97	109.07	13.01	46.22	6.90	1.68	4.09	0.29	1.78	0.27	0.54	0.27	0.26	0.25	15.07	0.73	4.01	165.07	303.55	0.57	
SMDH 00168	50.2	48.90	0.06	10.76	45.88	91.77	10.24	35.82	6.78	0.78	4.43	0.29	2.55	0.27	0.76	0.27	0.83	0.25	18.36	1.46	8.96	335.54	615.94		1.48
SMDH 00168	66.8	63.96	0.05	14.14	58.33	116.26	13.01	47.38	7.59	1.68	4.77	0.57	3.00	0.27	1.19	0.27	1.14	0.25	24.14	0.73	3.07	134.13	408.26		
SMDH 00169	108.0	89.79	0.07	35.06	76.73	159.89	17.95	64.71	11.04	1.12	7.04	0.92	6.21	1.21	3.13	0.53	3.20	0.25	29.01	2.08	12.50	533.84	584.21		
SMDH 00169	110.1	89.10	0.14	37.48	79.87	160.62	18.19	63.56	11.15	1.68	6.58	0.92	6.44	1.31	3.13	0.53	3.41	0.50	27.54	1.87	11.91	518.44	816.86		1.35
SMDH 00169	68.6	53.17	0.09	24.78	45.76	96.03	10.36	38.13	6.32	1.01	4.20	0.57	4.11	0.88	2.16	0.27	2.38	0.25	18.02	1.25	6.49	279.75	522.50	1.54	
SMDH 00169	104.2	86.54	0.13	33.25	74.05	160.14	17.23	62.40	10.69	1.68	6.70	0.92	5.99	1.21	2.81	0.27	2.89	0.25	29.35	1.56	7.31	309.60	839.22		
SMDH 00169	91.1	82.78	0.09	24.06	74.29	156.36	17.23	60.09	10.23	1.45	6.24	0.80	4.66	0.88	2.16	0.27	2.27	0.25	30.37	1.67	8.73	372.69	617.15		1.48
SMDH 00169	76.5	61.46	0.10	26.72	55.42	114.56	12.65	43.91	7.13	1.01	4.31	0.57	4.33	0.99	2.59	0.27	2.68	0.25	20.29	1.04	6.13	250.84	520.59		
SMDH 00169	94.3	77.26	0.09	31.07	69.16	136.86	15.66	55.47	9.31	1.68	6.01	0.80	5.33	1.10	2.49	0.27	2.58	0.25	21.53	1.35	5.78	243.95	387.80	0.41	
SMDH 00169	98.4	86.37	0.09	28.41	74.40	151.12	17.95	62.40	10.46	1.56	7.38	0.92	5.10	0.99	2.27	0.27	2.07	0.25	31.17	2.19	4.95	203.30	488.69		
SMDH 00169	86.7	78.45	0.09	22.73	68.70	144.42	16.14	56.62	10.35	1.68	6.01	0.92	4.77	0.77	1.73	0.27	1.34	0.25	28.11	3.02	4.60	175.74	524.23		1.59
SMDH 00169	102.4	81.40	0.13	35.91	69.86	147.46	16.26	57.78	10.92	1.34	6.81	1.03	6.33	1.21	3.03	0.53	3.10	0.50	27.43	2.29	7.55	312.71	567.92		
SMDH 00170	87.9	63.58	0.11	35.06	53.09	107.49	12.05	45.07	7.70	1.34	4.99	0.92	5.55	1.10	2.92	0.27	3.10	0.25	20.29	1.35	7.67	337.16	749.94		
SMDH 00170	100.7	78.03	0.13	36.75	67.42	137.10	15.54	55.47	9.77	1.45	6.24	1.03	5.99	1.21	3.03	0.53	3.30	0.50	27.54	1.87	10.02	420.64	802.82	2.02	1.60
SMDH 00170	67.0	53.53	0.12	22.73	52.40	102.86	10.12	39.29	6.32	0.89	4.09	0.57	3.55	0.66	1.94	0.27	1.96	0.25	17.57	1.35	9.32	399.57	532.38		1.68
SMDH 00170	92.2	80.97	0.12	25.51	74.05	149.41	15.42	60.09	9.66	1.12	6.01	0.80	4.66	0.88	2.49	0.27	2.17	0.25	25.95	1.46	10.14	455.90	648.88		
SMDH 00170	103.9	87.23	0.13	31.80	80.81	160.01	16.38	64.71	11.04	1.23	6.24	1.03	5.10	0.99	2.70	0.27	2.89	0.25	27.77	1.46	14.27	603.54	786.52	2.97	
SMDH 00170	159.2	153.07	0.13	36.87	130.87	280.06	32.17	112.09	19.78	1.45	11.12	1.49	7.32	1.21	3.03	0.27	2.89	0.25	62.79	2.81	25.47	1116.17	813.74		
SMDH 00170	90.6	90.38	0.08	17.89	80.69	159.65	18.67	67.02	11.61	1.01	6.70	0.80	3.88	0.66	1.51	0.27	1.45	0.25	35.81	1.67	9.32	373.90	535.15		
SMDH 00170	96.6	98.68	0.08	17.77	89.42	184.02	21.08	72.80	12.19	1.23	7.04	0.92	3.88	0.55	1.40	0.27	1.45	0.25	40.80	1.67	8.25	341.75	598.95		1.50
SMDH 00170	74.1	83.86	0.05	7.98	77.08	157.58	18.55	62.40	11.38	0.78	5.90	0.69	2.22	0.27	0.54	0.27	0.26	0.25	34.23	1.77	6.37	254.76	535.15	0.90	
SMDH 00170	84.0	90.33	0.08	12.09	81.04	164.16	19.40	67.02	12.30	1.01	7.26	0.80	3.11	0.27	0.86	0.27	0.83	0.25	35.81	1.67	6.60	266.24	493.37		
SMDH 00170	97.7	105.44	0.06	13.30	92.80	194.99	22.17	78.58	14.03	1.12	8.28	0.92	3.77	0.55	1.08	0.27	1.03	0.25	37.06	2.19	8.61	355.53	548.16		
SMDH 00170	87.2	94.15	0.08	11.61	82.79	175.49	19.64	70.49	12.30	1.12	7.26	0.80	3.22	0.27	0.97	0.27	0.83	0.25	33.32	1.98	9.20	373.77	584.21	0.57	
SMDH 00170	69.4	74.49	0.08	9.67	67.30	140.64	15.90	55.47	9.89	1.12	5.79	0.57	2.55	0.27	0.76	0.27	0.72	0.25	27.43	1.87	10.97	452.52	435.13		1.40
SMDH 00170	64.0	61.58	0.06	14.14	57.05	108.71	12.41	46.22	7.93	0.67	4.43	0.29	2.66	0.27	1.51	0.27	1.76	0.25	21.87	1.46	7.31	316.76	384.85		
SMDH 00170	63.4	65.46	0.07	10.64	58.45	121.14	13.97	48.53	9.08	1.23	4.99	0.29	2.66	0.27	0.97	0.27	0.93	0.25	23.12	1.67	9.08	368.63	485.40		
SMDH 00170	64.7	67.72	0.05	9.43	59.38	123.82	13.97	50.84	9.08	1.56	5.45	0.57	2.33	0.27	0.86	0.27	0.93	0.25	23.57	1.77	7.19	327.16	657.02	0.32	1.46
SMDH 00170	65.7	71.34	0.06	7.98	62.18	131.38	15.06	53.16	10.12	1.45	5.56	0.57	2.55	0.27	0.54	0.27	0.26	0.25	27.31	1.46	4.36	178.04	677.83		
SMDH 00171	102.1	87.54	0.15	32.04	79.76	151.61	18.67	62.40	10.92	1.23	8.74	0.92	5.55	1.10	2.81	0.27	3.10	0.25	29.35	2.08	8.96	384.71	920.01	0.50	
SMDH 00171	82.4	44.97	0.23	43.52	30.97	54.35	7.83	28.89	6.78	1.79	7.38	1.15	7.10	1.53	3.57	0.64	3.61	0.50	7.03	0.62	4.60	203.43	2042.15		
SMDH 00171	89.0	67.38	0.21	32.52	51.00	115.41	12.53	47.38	8.28	1.68	6.92	1.03	6.44	1.31	3.13	0.53	3.41	0.25	18.93	1.35	10.97	456.03	2657.39		1.38
SMDH 00171	90.8	83.57	0.11	25.27	79.18	161.48	19.40	58.93	11.61	1.34	8.06	0.80	4.44	0.77	2.81	0.27	2.58	0.25	35.47	1.77	11.32	710.66	586.64		
SMDH 00171	115.0	103.39	0.20	32.64	93.85	191.34	22.53	73.96	13.22	1.45	9.87	0.92	5.99	0.99	3.78	0.27	3.41	0.25	41.82	2.81	9.67	389.44	793.28	0.80	
SMDH 00171	107.5	90.97	0.21	33.97	81.85	165.01	18.79	64.71	11.50	1.34	8.62	1.03	6.44	1.21	4.00	0.53	3.51	0.25	35.59	2.60	12.26	506.55	690.83		1.47
SMDH 00171	112.6	84.54	0.22	44.25	73.59	148.92	18.07	57.78	11.27	1.90	9.08	1.03	7.66	1.53	5.62	0.64	4.65	0.70	31.17	2.29	11.32	461.97	731.57		
SMDH 00171	94.8	74.07	0.20	35.06	63.11	130.40	15.54	50.84	8.51	1.23	8.17	0.92	6.77	1.10	4.11	0.53	3.92	0.50	27.65	1.98	10.50	410.91	651.48		
SMDH 00171	102.7	84.60	0.21	35.06	76.15	157.21	18.31	58.93	10.58	1.34	9.08	1.03	6.33	1.21	4.11	0.53	3.51	0.50	33.55	2.29	9.91	430.23	681.64	1.00	
SMDH 00171	107.7	84.94	0.20	39.77	74.75	152.09	18.31	58.93	10.12	1.34	8.85	1.03	6.66	1.21	4.97	0.64	4.34	0.50	33.21	1.87	9.79	393.89	582.13		1.39
SMDH 00172	55.6	48.24	0.10	15.72	45.53	88.72	10.00	34.67	6.67	1.68	5.79	0.57	3.00	0.55	1.40	0.27	1.55	0.25	12.24	0.94	8.37	359.58	728.45		
SMDH 00172	117.9	120.19	0.05	22.24	108.40	228.75	25.30	88.98	14.83	0.78	10.33	1.03	4.88	0.99	2.05	0.27	2.27	0.25	41.93	3.12	22.17	957.85	636.39	2.42	1.33
SMDH 00172	67.6	34.38	0.17	36.87	18.86	39.24	5.18	21.96	5.40	1.56	5.79	1.03	6.21	1.42	3.46	0.53	3.20	0.25	3.51	0.52	3.18	153.18	1370.91		
SMDH 00172	61.2	29.86	0.25	34.45	17.35	37.29	4.58	18.49	4.94	1.45	5.22	0.80	5.99	1.21	3.13	0.53	2.99	0.25	3.40	0.26	3.89	157.91	1622.80		
SMDH 00172	81.1	70.05	0.14	23.94	60.08	173.30	13.85	50.84	8.62	1.01	6.81	0.80	4.55	0.88	2.16	0.27	2.38	0.25	23.80	1.67	9.08	374.71	1010.50		1.49
SMDH 00173	135.1	135.76	0.14	29.38	125.98	279.20	30.84	98.22	16.10	0.78	11.58	1.15	5.55	1.10	3.89	0.27	3.30	0.50	52.25	4.17	34.55	1476.02	1067.19	1.64	
SMDH 00173	78.3	72.95	0.16	20.19	68.11	132.23	16.26	52.00	8.74	1.45	7.04	0.80	3.88	0.77	2.49	0.27	2.27	0.25	21.31	1.46	8.96	391.19	771.79		
SMDH 00173	64.9	60.95	0.20	16.20	53.68	114.19	13.25	43.91	7.24	1.01	5.22	0.57	3.22	0.66	2.27	0.27	2.17	0.25	20.85	1.77	10.85	455.35	983.63		1.25
SMDH 00173	82.2	74.21	0.16	23.21	68.35	127.84	16.75	52.00	8.51	1.56	6.92	0.80	4.66	0.88	2.70	0.27	2.68	0.25	19.49	1.46	7.67	330.14	788.95		
SMDH 00173	75.3	67.36	0.16	21.64	66.25	122.72	15.18	47.38	8.28	1.45	6.70	0.80	3.99	0.77	2.38	0.27	2.48	0.25	18.81	1.46	9.67	435.09	759.82	1.71	
SMDH 00173																									
SMDH 00173	53.1	49.74	0.21	13.66	46.69	132.96	10.96	35.82	5.86	0.67	4.31	0.29	2.66	0.55	1.73	0.27	1.86	0.25	24.03	1.87	10.14	449.14	1128.73		1.39
SMDH 00173	118.0	108.60	0.10	30.83	98.97	183.66	22.77	78.58	13.57	1.34	10.55	1.15	6.10	1.21	2.81	0.27	2.89	0.25	34.11	2.19	17.69	827.23	3331.58		
SMDH 00174	176.1	177.57	0.09	36.27	159.52	340.99	38.55	129.42	24.14	0.78	14.30	1.61	7.99	1.21	4.11	0.53	3.92	0.50	68.68	3.96	33.14	1394.84	499.96		
SMDH 00174	68.6	62.68	0.11	18.26	56.94	111.15	13.49	45.07	7.82	1.12	5.56	0.57	3.55	0.55	2.16	0.27	1.86	0.25	18.36	1.25	8.84	352.96	716.14		1.45
SMDH 00174	97.5	63.45	0.22	45.70	60.08	114.68	13.01	42.76	7.47	1.34	6.01	0.92	6.77	1.53	6.81	0.96	6.71	0.91	19.49	1.56	9.55	445.22	836.27		
SMDH 00174	51.6	46.99	0.13	13.30	44.83	87.38	10.24	33.51	6.44	1.56	4.31	0.57	2.66	0.27	1.62	0.27	1.34	0.25	15.64	0.94	7.90	333.11	613.34	1.16	
SMDH 00174	109.6	102.63	0.15	27.56	97.81	198.04	22.17	75.11	12.30	1.56	7.26	0.92	4.44	0.88	3.89	0.53	3.82	0.60	34.79	1.25	13.21	521.41	808.36		1.47
SMDH 00174	112.8	94.42	0.16	37.60	89.66	179.39	20.48	67.02	10.92	1.23	7.49	1.03	5.88	1.21	6.05	0.74	5.37	0.60	30.83	1.77	11.09	468.46	778.72		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00174	109.2	97.60	0.13	31.55	89.31	184.14	21.20	70.49	11.96	1.23	8.06	0.80	5.10	0.99	4.65	0.53	4.65	0.50	33.09	1.46	11.32	464.54	841.48		
SMDH 00174																									
SMDH 00174	135.1	130.55	0.13	31.07	117.60	246.66	27.83	95.91	15.75	1.34	10.33	1.15	5.66	1.10	2.92	0.27	3.51	0.25	45.22	2.08	13.56	552.61	916.89		1.51
SMDH 00174	111.0	101.82	0.11	27.93	88.14	179.27	20.24	75.11	12.30	1.45	8.85	1.15	5.33	0.88	2.59	0.27	2.99	0.25	32.98	1.77	9.79	409.16	665.52		
SMDH 00174	100.2	78.63	0.10	36.39	70.68	145.27	16.02	55.47	10.00	1.23	7.38	1.03	6.10	1.21	3.35	0.53	3.61	0.25	25.73	1.56	7.43	317.57	614.20		
SMDH 00174	119.3	99.39	0.13	40.26	87.56	173.91	21.81	69.33	13.11	1.45	9.31	1.15	7.10	1.42	4.65	0.64	3.92	0.50	31.05	2.29	8.96	374.31	700.19		
SMDH 00174	108.4	92.67	0.12	34.94	85.11	172.69	20.60	64.71	11.50	1.34	9.31	1.15	6.21	1.31	4.21	0.64	3.72	0.60	31.85	1.77	9.91	412.80	628.42		
SMDH 00174	79.2	61.59	0.11	29.74	57.40	112.49	13.37	42.76	7.59	1.23	5.90	0.69	4.77	0.99	3.67	0.53	3.82	0.60	18.81	1.35	13.44	597.32	655.64		
SMDH 00175	91.1	87.47	0.04	22.00	73.94	157.46	18.67	63.56	11.27	0.28	7.26	0.92	4.33	0.77	1.84	0.27	1.96	0.25	33.77	1.56	10.73	456.17	324.52		
SMDH 00175	141.2	142.53	0.09	27.56	117.48	253.85	30.12	105.16	19.66	1.23	12.94	1.38	5.88	1.10	2.27	0.27	2.27	0.25	59.27	2.40	15.09	665.94	449.17		
SMDH 00175	117.0	116.97	0.09	23.33	101.07	217.54	25.06	86.67	14.49	1.79	9.87	0.92	4.33	0.77	1.94	0.27	1.96	0.25	50.55	1.04	6.72	278.81	498.58		
SMDH 00175	78.6	81.58	0.05	12.57	73.47	152.95	16.99	61.24	10.58	1.45	6.36	0.57	2.77	0.27	1.19	0.27	1.03	0.25	31.62	0.73	6.60	273.40	445.70		1.63
SMDH 00175	106.0	113.77	0.09	15.84	101.76	222.66	25.06	84.36	14.72	1.45	9.19	0.92	3.44	0.27	1.51	0.27	1.03	0.25	48.05	1.04	7.08	276.91	558.04		
SMDH 00175	117.7	118.58	0.10	23.21	103.74	224.00	25.66	86.67	15.41	1.56	10.10	1.15	5.10	0.77	2.27	0.27	2.17	0.25	48.96	1.35	9.43	389.44	539.83	1.37	
SMDH 00175	117.5	111.30	0.09	28.17	96.29	206.33	23.49	80.89	15.87	1.56	10.44	1.15	5.77	0.88	3.24	0.27	3.10	0.25	45.90	1.25	6.25	260.84	565.14		1.55
SMDH 00175	170.0	151.70	0.14	47.63	119.11	268.48	30.72	110.93	20.81	1.34	14.87	1.72	8.32	1.64	5.73	0.74	5.99	0.80	67.43	1.98	14.03	618.67	856.90		
SMDH 00175	133.5	125.72	0.11	32.88	103.86	233.01	26.62	91.29	19.09	1.56	12.26	1.26	6.55	1.21	3.67	0.53	3.82	0.50	56.89	1.77	12.50	495.88	836.97		
SMDH 00175	133.6	125.62	0.10	33.00	106.19	231.19	26.74	91.29	17.36	1.68	11.80	1.26	6.33	1.21	3.67	0.53	3.92	0.25	52.02	1.46	9.67	411.18	699.32	0.98	1.59
SMDH 00175	129.2	104.30	0.13	45.21	85.81	185.97	21.68	72.80	13.91	1.34	11.24	1.49	8.32	1.53	4.65	0.74	5.06	0.70	40.01	1.77	10.50	426.04	753.58		
SMDH 00175	105.9	99.55	0.10	26.11	89.66	193.41	21.32	71.64	13.80	1.56	9.65	1.15	5.44	0.88	2.38	0.27	2.17	0.25	38.87	1.56	9.55	417.26	605.02		
SMDH 00175	117.8	113.44	0.14	27.32	103.05	216.07	24.70	82.04	15.87	1.79	10.10	1.15	5.55	0.88	3.13	0.27	2.48	0.25	42.50	1.35	12.26	501.82	754.45		1.51
SMDH 00175	136.2	121.35	0.16	39.17	103.98	220.10	25.90	85.51	19.55	1.56	13.62	1.84	8.10	1.21	4.43	0.27	3.61	0.50	44.54	1.56	11.32	454.95	905.96	0.90	
SMDH 00176	172.7	173.19	0.08	37.72	147.29	306.99	39.39	123.64	24.26	1.23	16.91	1.72	8.43	1.31	4.00	0.27	2.79	0.25	75.48	3.02	20.87	924.49	759.30		
SMDH 00176	122.2	109.29	0.13	34.58	90.70	193.65	23.01	78.58	15.98	1.34	10.67	1.26	6.44	1.21	3.89	0.27	2.89	0.25	44.09	1.67	12.38	531.54	568.78		1.34
SMDH 00176	119.2	123.84	0.13	20.91	108.87	228.26	27.35	90.13	16.79	1.79	11.01	1.15	5.22	0.77	1.84	0.27	1.34	0.25	48.96	1.46	15.09	615.83	669.51		
SMDH 00176	111.2	114.76	0.12	19.83	100.48	214.00	24.94	84.36	15.41	1.56	10.21	0.92	4.55	0.66	1.73	0.27	1.24	0.25	46.35	1.35	11.44	466.70	767.45	1.62	
SMDH 00176	139.2	126.71	0.14	36.75	95.94	200.72	25.90	92.44	19.66	1.68	12.26	1.38	6.99	1.31	3.03	0.27	2.99	0.25	47.15	1.56	9.08	400.51	386.76		1.40
SMDH 00176	114.7	112.80	0.10	23.33	87.33	189.75	23.13	83.20	16.21	1.68	10.55	1.03	5.44	0.77	2.05	0.27	1.96	0.25	43.63	1.46	10.38	435.09	363.01		
SMDH 00176	138.0	131.06	0.14	32.76	108.05	238.99	27.23	95.91	17.59	1.45	10.89	1.26	6.66	1.21	2.92	0.27	2.89	0.25	50.77	1.67	11.20	513.57	383.12		
SMDH 00176	112.9	110.64	0.12	24.42	89.19	193.77	23.61	80.89	17.13	1.45	10.33	1.15	4.99	0.77	1.94	0.27	1.86	0.25	44.77	1.67	11.67	485.34	339.09	0.82	1.52
SMDH 00176	133.4	127.47	0.13	31.43	100.83	220.71	27.11	92.44	17.25	1.56	11.58	1.38	6.55	1.21	2.70	0.27	2.89	0.25	50.55	1.67	12.15	496.15	436.34		
SMDH 00176	111.7	98.07	0.10	31.55	76.38	164.89	19.52	71.64	13.22	1.56	9.42	1.03	5.88	1.10	2.81	0.27	2.79	0.25	39.10	1.56	9.91	393.08	643.50		
SMDH 00177	259.4	259.54	0.09	51.62	213.19	472.98	53.25	194.13	28.63	1.45	19.52	2.07	10.10	2.08	4.86	0.64	3.82	0.60	95.77	3.44	30.07	1106.85	361.28	0.94	
SMDH 00177	114.8	113.22	0.11	24.54	91.75	212.66	24.21	83.20	12.42	1.23	8.62	1.03	4.77	0.99	2.38	0.27	2.07	0.25	41.93	1.46	11.44	474.00	535.67		1.46
SMDH 00177	140.3	133.32	0.11	34.09	107.12	242.40	28.55	97.07	16.33	1.45	11.35	1.26	6.44	1.31	3.24	0.27	3.10	0.25	47.71	1.46	9.43	398.35	549.89		
SMDH 00177	91.4	91.73	0.09	18.38	85.35	175.74	20.24	67.02	10.46	1.56	6.58	0.80	3.66	0.66	2.05	0.27	1.45	0.25	32.30	0.83	8.25	367.82	411.03	0.75	1.72
SMDH 00177	50.8	51.17	0.06	10.40	47.97	99.57	11.69	36.98	5.75	0.89	4.20	0.29	2.22	0.27	1.19	0.27	0.72	0.25	18.36	0.52	4.36	164.53	195.89		
SMDH 00177	121.4	115.76	0.13	29.26	101.88	213.88	24.94	84.36	15.06	1.34	9.65	1.03	5.44	0.99	3.46	0.27	3.10	0.25	42.73	1.15	8.49	361.74	470.84		
SMDH 00177	96.5	99.21	0.07	18.26	88.03	183.05	22.17	72.80	12.19	1.23	7.15	0.80	3.44	0.66	2.05	0.27	1.55	0.25	36.83	0.83	6.84	282.05	348.45		1.60
SMDH 00177	97.2	103.04	0.10	14.99	93.96	199.99	22.53	76.27	11.96	1.68	7.38	0.80	3.44	0.27	1.51	0.27	0.93	0.25	40.23	0.83	8.73	361.47	506.20	1.00	
SMDH 00178	121.9	105.90	0.10	36.75	91.98	190.97	22.05	76.27	14.14	1.34	8.40	1.15	6.44	1.21	2.92	0.27	2.89	0.25	38.76	1.77	9.67	422.80	497.71		
SMDH 00178	142.4	120.88	0.13	44.97	99.55	214.49	25.18	86.67	14.83	1.68	10.67	1.49	7.55	1.64	4.00	0.64	4.03	0.60	42.95	2.81	12.74	538.56	784.79		
SMDH 00178	126.2	112.21	0.09	36.39	95.01	200.96	23.73	80.89	14.14	1.34	8.85	1.15	6.44	1.31	3.03	0.27	2.79	0.25	39.55	1.87	9.55	427.26	486.79		1.44
SMDH 00178	119.5	107.10	0.10	33.49	89.66	190.85	22.65	77.42	14.72	1.56	9.99	1.15	5.88	1.10	2.81	0.27	2.48	0.25	39.33	2.81	12.15	532.49	846.50	0.81	
SMDH 00178	126.1	129.43	0.10	23.33	112.48	236.06	28.31	94.76	16.21	1.68	10.33	1.15	5.22	0.77	1.84	0.27	1.76	0.25	47.37	1.87	9.55	402.67	813.74		
SMDH 00178	91.5	102.13	0.11	9.91	92.68	192.07	22.29	76.27	11.84	1.79	6.70	0.69	2.89	0.27	0.65	0.27	0.52	0.25	35.93	1.15	12.26	507.90	879.27		1.55
SMDH 00178	124.3	124.63	0.09	24.42	109.33	226.68	26.38	92.44	15.75	1.68	9.19	1.03	4.77	0.77	2.16	0.27	2.38	0.25	44.65	1.67	10.73	471.02	741.10		
SMDH 00179	114.9	108.46	0.12	28.89	92.57	211.20	23.85	78.58	11.84	1.45	10.21	1.03	4.99	0.99	2.70	0.27	2.48	0.25	44.31	2.40	20.99	817.64	422.82		1.32
SMDH 00179	172.5	185.49	0.07	25.99	166.62	361.83	41.68	135.20	22.65	2.68	16.34	1.84	6.77	0.99	1.94	0.27	1.34	0.25	79.22	1.46	5.31	206.94	486.44		
SMDH 00179	50.2	49.06	0.09	10.88	43.55	94.21	10.84	35.82	5.75	1.12	4.54	0.29	2.11	0.27	0.97	0.27	0.26	0.25	18.70	0.62	1.30	47.28	278.41	1.73	
SMDH 00179	345.7	385.24	0.05	42.43	345.70	760.47	85.89	284.27	45.87	3.91	32.46	3.10	11.98	1.64	2.81	0.27	1.03	0.25	161.28	2.50	0.94	39.98	284.65		1.78
SMDH 00179	246.3	271.77	0.08	32.40	245.80	554.99	61.68	199.91	33.11	3.80	24.63	2.41	7.77	1.21	2.38	0.27	1.03	0.25	108.91	1.67	5.07	164.93	412.76		
SMDH 00179	99.7	105.36	0.05	15.72	96.99	202.18	23.25	77.42	13.22	1.90	8.51	0.80	3.88	0.66	1.08	0.27	0.83	0.25	40.46	0.73	1.53	65.78	217.91		
SMDH 00179	113.9	106.62	0.09	27.56	92.45	188.53	21.68	78.58	13.80	1.45	8.97	0.92	5.44	1.10	2.38	0.27	2.07	0.25	40.01	2.60	11.09	533.30	592.19	0.93	1.51
SMDH 00180	103.4	96.51	0.06	26.11	83.95	181.95	20.00	70.49	12.88	0.78	8.17	1.03	4.99	0.88	2.16	0.27	2.27	0.25	35.93	2.19	17.45	798.05	339.43		1.28
SMDH 00180	109.6	101.51	0.10	27.93	86.74	180.25	21.08	73.96	12.42	1.23	7.94	1.03	5.44	0.99	2.70	0.27	2.79	0.25	36.15	1.67	10.97	477.37	535.85	4.52	
SMDH 00180	70.7	64.30	0.06	18.50	55.66	97.37	13.13	47.38	7.82	1.01	4.99	0.57	3.22	0.55	1.62	0.27	1.24	0.25	19.72	0.94	4.72	213.97	350.87		
SMDH 00180	98.5	106.41	0.09	14.02	96.87	199.99	23.25	78.58	13.45	1.34	7.94	0.92	3.66	0.55	1.08	0.27	0.83	0.25	38.53	1.46	9.43	421.99	606.40		1.62
SMDH 00180	104.4	108.59	0.09	18.01	96.18	212.30	23.49	79.73	13.11	1.34	9.31	1.03	4.33	0.66	1.51	0.27	1.14	0.25	38.99	1.46	8.96	398.22	577.80		
SMDH 00180	124.9	121.23	0.11	28.17	104.91	215.22	26.26	87.82	15.06	1.79	9.76	1.26	5.88	0.99	2.27	0.27	2.27	0.25	44.99	1.87	10.02	417.67	608.48		
SMDH 00180	117.2	108.48	0.11	29.98	92.10	183.78	22.65	78.58	12.30	1.34	8.40	1.15	6.10	1.21	3.03	0.53	3.20	0.25	39.78	1.87	9.67	403.08	615.94		1.52
SMDH 00180	149.0	137.19	0.13	38.69	115.62	237.52	28.67	99.38	16.21	1.79	11.58	1.38	7.77	1.31	3.46	0.64	3.61	0.50	49.41	2.60	13.33	542.48	750.12		
SMDH 00180	160.5	148.58	0.14	41.10	125.63	257.27	31.08	107.47	18.97	1.90	11.92	1.49	8.54	1.53	3.24	0.64	4.03	0.50	55.08	3.12	12.62	524.38	812.52		
SMDH 00180	72.5	63.70	0.07	20.79	54.49	103.47	13.13	46.22	7.36	1.12	5.11	0.69	3.66	0.77	1.84	0.27	1.76	0.25	21.65	1.04	6.25	295.28	421.43	0.87	1.68
SMDH 00180	130.9	120.09	0.14	34.09	99.20	204.38	25.06	86.67	14.72	1.79	10.33	1.26	7.10	1.31	3.24	0.53	3.30	0.25	41.59	2.40	11.09	448.33	761.56		
SMDH 00180	139.8	126.77	0.11	37.24	105.26	213.88	25.78	91.29	16.44	1.56	11.46	1.38	8.32	1.42	3.13	0.53	3.10	0.25	42.84	2.60	9.91	409.70	736.94		
SMDH 00180	139.8	126.77	0.11	37.24	105.26	213.88	25.78	91.29	16.44	1.56	11.46	1.38	8.32	1.42	3.13	0.53	3.10	0.25	42.84	2.60	9.91	409.70	736.94		
SMDH 00181	143.4	145.60	0.06	32.16	127.96	251.66	35.06	102.84	16.33	0.67	12.94	1.15	6.55	1.21	3.46	0.27	2.89	0.25	50.77	2.92	39.51	1363.50	197.97		1.59
SMDH 00181	177.3	173.44	0.13	41.47	141.12	286.76	39.27	124.80	19.89	1.68	14.98	1.49	7.88	1.53	4.86	0.64	4.03	0.60	58.71	2.71	32.19	1060.92	448.47	2.60	
SMDH 00181	185.9	190.99	0.11	35.30	166.39	377.06	41.80	139.82	22.42	1.45	16.00	1.38	7.99	1.21	3.46	0.27	2.99	0.25	74.80	3.02	18.63	781.17	355.90		
SMDH 00181	111.7	96.23	0.17	34.94	80.69	180.61	20.36	68.18	12.19	0.89	10.10	1.03	6.66	1.10	3.78	0.27	3.82	0.50	35.13	1.67	5.19	239.36	469.45		1.45
SMDH 00181	158.4	131.97	0.24	52.83	111.20	251.05	27.71	92.44	16.90	1.34	13.96	1.61	10.21	1.75	5.73	0.74	4.85	0.60	46.58	2.29	12.50	670.13	622.87		
SMDH 00181	152.5	138.13	0.17	42.43	114.92	260.56	29.27	99.38	17.36	1.23	14.19	1.38	8.10	1.42	4.54	0.53	4.13	0.60	50.32	2.29	7.43	298.39	583.00	1.82	
SMDH 00181	124.5	110.44	0.13	36.51	95.83	205.96	23.61	78.58	13.34	1.12	10.33	1.26	6.99	1.31	4.00	0.53	3.72	0.25	39.67	1.77	7.55	290.69	564.62		1.40
SMDH 00181	84.3	75.82	0.12	23.21	66.72	145.39	16.26	54.31	8.97	1.56	6.92	0.80	4.44	0.77	2.92	0.27	2.79	0.25	26.52	1.25	7.67	320.14	533.94		
SMDH 00181	84.2	86.26	0.13	15.35	78.48	172.08	18.79	63.56	10.12	1.34	8.40	0.69	3.22	0.27	1.51	0.27	1.24	0.25	30.83	1.35	8.73	387.00	705.74		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00181	105.8	106.27	0.12	21.52	95.59	210.10	23.49	77.42	12.88	1.45	9.87	0.92	4.44	0.77	2.38	0.27	2.07	0.25	39.78	1.87	8.49	326.22	583.00	1.20	1.60
SMDH 00181	106.3	105.64	0.15	22.24	94.90	205.96	23.01	76.27	13.68	1.45	11.12	1.03	5.33	0.77	2.49	0.27	1.96	0.25	38.65	1.77	8.49	332.57	718.05		
SMDH 00181	167.2	159.05	0.16	40.86	137.63	311.38	34.45	115.56	18.40	1.79	12.82	1.61	7.44	1.53	4.32	0.53	3.61	0.50	60.97	2.71	9.32	401.19	979.81		
SMDH 00181	79.4	77.86	0.10	17.17	68.70	151.97	17.11	56.62	9.20	1.45	6.70	0.69	3.44	0.66	1.51	0.27	1.24	0.25	28.67	1.46	7.31	284.61	704.70		1.46
SMDH 00181	106.8	94.61	0.12	31.92	83.95	188.29	21.56	67.02	11.04	1.79	8.62	1.03	4.99	1.10	3.24	0.64	3.20	0.50	35.36	1.98	5.78	237.20	597.22	0.98	
SMDH 00181	75.9	76.04	0.09	15.11	70.21	155.02	17.11	55.47	8.74	1.90	6.24	0.69	2.77	0.27	1.30	0.27	1.24	0.25	28.11	1.25	6.49	233.28	543.47		
SMDH 00182	73.6	67.79	0.04	19.83	61.94	121.75	14.58	48.53	8.05	0.56	6.58	0.69	3.99	0.66	1.73	0.27	1.96	0.25	25.27	1.46	10.02	469.67	314.82		
SMDH 00182	110.6	104.53	0.06	26.84	87.56	182.07	21.68	76.27	11.84	0.89	8.97	1.03	5.55	0.99	2.38	0.27	2.79	0.25	36.27	1.87	10.50	486.42	396.47		
SMDH 00182	213.2	205.88	0.09	48.72	164.29	354.27	43.01	151.38	25.98	1.56	15.55	1.95	9.54	1.64	3.67	0.64	3.72	0.60	72.31	3.64	27.24	1197.75	327.65		
SMDH 00182	176.7	176.22	0.11	36.15	152.53	321.49	36.98	129.42	21.27	1.34	15.32	1.61	8.21	1.31	3.24	0.27	3.10	0.25	66.07	3.23	11.09	520.60	566.53		1.65
SMDH 00182	79.1	59.54	0.16	30.59	46.34	95.55	11.93	41.60	7.24	0.89	5.67	0.69	5.33	1.10	3.24	0.64	4.03	0.25	19.04	1.15	9.67	411.45	666.90	2.03	
SMDH 00182	43.1	39.49	0.06	11.12	33.18	69.47	8.31	28.89	4.83	0.78	2.61	0.29	2.00	0.27	0.86	0.27	1.03	0.25	13.26	0.73	3.77	164.53	190.52		1.59
SMDH 00182	26.3	19.09	0.03	11.00	19.79	38.51	4.10	12.71	2.41	0.28	1.82	0.29	2.00	0.27	0.97	0.27	1.14	0.25	14.73	2.92	3.42	131.70	116.67		
SMDH 00182	100.1	81.33	0.14	34.45	69.40	142.47	16.87	57.78	9.66	1.23	6.47	0.80	5.88	1.21	3.78	0.74	5.37	0.60	27.54	1.35	7.55	330.81	610.91		1.53
SMDH 00182	99.5	77.42	0.16	36.99	71.38	146.61	16.26	55.47	8.97	1.34	6.24	0.80	4.88	1.31	5.51	0.64	5.78	0.91	28.11	1.25	7.31	316.76	893.31		
SMDH 00182	113.6	96.29	0.14	36.39	88.96	178.90	20.60	69.33	11.38	1.56	7.26	0.92	5.44	1.21	4.97	0.74	4.85	0.91	36.38	1.46	8.25	368.36	628.77	0.90	
SMDH 00182	112.2	91.52	0.16	40.02	85.58	175.37	20.72	63.56	11.61	1.34	8.40	0.92	6.33	1.42	5.08	0.64	4.65	0.80	34.68	1.98	8.61	351.07	711.28		1.39
SMDH 00182	81.7	70.12	0.12	25.15	64.62	131.74	14.82	50.84	8.39	1.23	5.67	0.69	3.77	0.77	3.03	0.27	2.79	0.25	24.59	1.56	7.43	342.83	623.91		
SMDH 00182	48.2	50.02	0.08	7.98	48.55	99.81	11.20	36.98	6.21	1.45	3.97	0.29	1.55	0.27	0.86	0.27	0.62	0.25	18.81	1.04	6.84	281.91	546.25		
SMDH 00183	79.0	71.16	0.08	22.12	62.29	130.89	15.30	50.84	9.54	1.01	5.11	0.69	4.33	0.77	1.73	0.27	1.86	0.25	24.37	1.25	9.43	412.80	707.30		
SMDH 00183	76.5	68.60	0.07	21.28	57.75	122.84	14.34	49.69	9.20	1.01	5.11	0.69	3.88	0.77	1.62	0.27	1.76	0.25	23.57	1.25	8.61	375.39	571.73		1.55
SMDH 00183	38.8	29.43	0.07	14.51	25.85	45.34	5.90	20.80	3.91	0.78	2.61	0.29	2.44	0.27	0.97	0.27	1.03	0.25	8.73	0.73	4.25	187.09	527.53		
SMDH 00183	46.5	23.67	0.20	25.39	13.16	25.11	3.86	15.02	4.14	1.34	3.29	0.57	4.22	0.88	1.73	0.27	1.76	0.25	2.61	0.26	2.59	115.36	1326.18		
SMDH 00183	51.3	27.47	0.26	26.96	14.67	30.47	4.46	17.33	5.06	1.34	3.63	0.69	4.99	0.99	2.05	0.27	2.07	0.25	2.83	0.73	3.66	168.99	1998.11	3.32	1.36
SMDH 00183	81.0	77.59	0.09	18.13	70.56	142.59	16.50	56.62	10.12	1.79	5.90	0.69	3.77	0.66	1.19	0.27	1.14	0.25	27.88	1.15	5.66	236.80	869.39		
SMDH 00183	99.3	80.23	0.12	33.85	71.38	163.55	16.14	56.62	10.81	1.34	6.47	0.92	6.55	1.31	2.70	0.53	2.89	0.25	36.49	2.71	8.37	357.56	848.93		
SMDH 00183	115.1	87.23	0.16	44.49	70.33	148.68	18.67	60.09	10.46	2.01	7.72	1.03	7.44	1.53	3.67	0.74	4.23	0.60	25.39	1.98	8.14	364.99	580.92		1.52
SMDH 00183	127.8	105.84	0.15	42.19	86.63	177.20	21.81	75.11	12.99	1.56	9.42	1.26	7.66	1.53	3.67	0.64	4.03	0.50	31.28	2.71	8.61	366.47	761.90	0.91	
SMDH 00183	141.9	120.75	0.16	44.01	95.59	201.69	25.06	86.67	14.37	2.23	10.33	1.26	7.77	1.42	3.67	0.64	3.92	0.60	31.17	2.60	9.08	382.68	723.77		
SMDH 00183	129.7	98.81	0.24	49.57	75.92	167.94	20.60	68.18	12.53	1.90	9.19	1.26	8.77	1.75	4.43	0.85	5.37	0.70	26.07	1.98	13.56	573.55	852.92		1.55
SMDH 00183	128.2	112.32	0.19	37.96	95.94	196.09	23.73	80.89	15.06	1.68	9.53	1.15	6.55	1.31	3.24	0.74	4.23	0.60	34.68	2.60	10.14	434.01	881.35		
SMDH 00183	98.4	97.05	0.12	19.95	88.96	174.15	20.72	71.64	12.19	2.12	7.26	0.80	3.88	0.66	1.62	0.27	1.96	0.25	29.58	1.77	9.20	414.43	857.94	0.60	
SMDH 00183	85.5	67.06	0.16	30.83	57.17	119.43	14.22	47.38	8.28	1.79	5.22	0.80	4.66	1.10	2.92	0.64	3.92	0.60	21.19	1.35	5.54	240.58	953.98		1.45
SMDH 00184	152.4	130.90	0.13	47.27	110.73	235.21	27.71	93.60	15.75	1.90	10.33	1.38	8.21	1.64	3.78	0.74	4.13	0.60	42.39	2.60	12.38	573.41	883.77		
SMDH 00184	123.5	112.79	0.16	32.88	94.43	199.74	24.09	80.89	14.03	1.90	9.53	1.15	6.66	1.21	2.59	0.27	2.48	0.25	36.15	2.71	13.56	596.65	589.76		
SMDH 00184	71.8	72.62	0.09	13.30	63.11	129.91	15.78	53.16	9.43	1.68	6.01	0.69	3.00	0.27	0.97	0.27	0.83	0.25	25.39	1.46	5.42	249.36	559.08	2.25	1.48
SMDH 00184	61.6	54.25	0.09	17.29	45.76	94.21	11.57	39.29	7.01	1.68	4.65	0.29	3.11	0.66	1.40	0.27	1.45	0.25	18.02	1.15	5.90	277.72	353.82		
SMDH 00184	42.8	38.43	0.07	10.88	34.35	67.64	8.19	27.73	5.06	1.68	3.40	0.29	2.22	0.27	0.76	0.27	0.83	0.25	12.92	0.83	5.90	282.45	315.68		
SMDH 00184	75.2	74.34	0.09	14.99	63.81	130.16	15.90	54.31	9.08	1.79	5.90	0.69	3.44	0.27	1.08	0.27	0.83	0.25	25.73	1.35	7.43	342.02	676.61		1.52
SMDH 00184	81.0	71.26	0.11	23.21	58.45	120.04	15.06	50.84	10.46	1.56	6.92	0.92	4.44	0.77	1.62	0.27	1.34	0.25	21.99	1.87	6.60	314.60	568.26	0.68	
SMDH 00184	87.8	79.79	0.12	24.06	68.23	141.98	17.59	56.62	11.15	1.56	7.15	0.80	4.77	0.88	1.73	0.27	2.27	0.25	27.65	1.87	7.55	336.35	630.15		
SMDH 00184	69.4	58.07	0.08	22.24	45.99	99.81	12.05	40.44	8.05	1.12	5.56	0.92	4.66	0.77	1.51	0.27	1.55	0.25	20.17	1.35	10.02	416.18	457.49	0.87	1.44
SMDH 00184	86.1	60.46	0.13	35.78	48.79	101.15	12.17	41.60	8.97	2.01	6.58	0.92	5.77	1.10	2.70	0.53	2.79	0.25	17.11	1.35	6.13	287.45	725.15		1.55
SMDH 00184	114.1	88.63	0.15	41.95	71.84	149.29	18.31	62.40	12.19	1.79	8.40	1.15	6.77	1.42	3.13	0.64	3.51	0.50	25.50	2.40	15.80	372.01	758.09		
SMDH 00184	108.2	97.13	0.12	30.10	84.88	165.62	20.72	70.49	13.57	1.68	8.17	1.03	4.88	0.88	1.84	0.27	2.07	0.25	33.77	3.02	8.25	395.38	837.32	0.50	
SMDH 00184	71.1	70.40	0.05	13.54	63.46	122.84	14.94	52.00	9.08	2.12	5.22	0.57	2.89	0.27	0.65	0.27	0.52	0.25	24.71	1.25	4.84	236.25	385.89		1.82
SMDH 00184	90.0	53.89	0.16	44.01	42.27	83.24	10.00	36.98	7.82	2.12	5.67	0.92	5.99	1.21	3.24	0.85	5.06	0.60	12.47	1.25	9.79	486.15	836.27		
SMDH 00185	136.3	132.35	0.07	29.26	124.47	224.36	26.38	99.38	17.59	1.12	9.87	1.15	5.44	0.88	3.35	0.27	2.17	0.25	51.23	3.02	13.44	577.33	432.01		1.73
SMDH 00185	94.6	88.75	0.11	23.45	76.96	158.67	18.79	64.71	11.04	1.23	8.06	1.03	4.22	0.77	2.49	0.27	1.76	0.25	30.71	1.98	8.49	369.31	572.95		
SMDH 00185	77.6	72.59	0.10	19.58	65.44	131.62	15.90	52.00	9.89	1.34	6.13	0.80	3.88	0.66	2.16	0.27	1.65	0.25	25.16	1.35	6.72	278.67	555.96		
SMDH 00185	38.2	33.91	0.06	10.16	32.60	66.30	7.47	24.27	5.17	1.56	3.18	0.29	1.89	0.27	1.30	0.27	0.83	0.25	11.67	0.26	2.83	129.68	330.07		1.46
SMDH 00185	75.6	66.62	0.10	21.52	65.90	124.31	14.34	47.38	8.51	1.79	5.90	0.69	4.22	0.77	1.94	0.27	1.86	0.25	19.72	0.83	5.66	253.82	518.16	0.87	
SMDH 00185	85.8	72.97	0.12	26.23	66.72	140.03	15.06	52.00	9.31	1.68	6.81	0.80	5.10	0.99	2.38	0.27	2.07	0.25	25.84	1.25	9.43	401.19	549.89		
SMDH 00185	109.2	87.71	0.14	38.32	77.90	161.84	18.55	61.24	11.38	1.68	7.94	1.03	6.88	1.53	3.13	0.53	3.10	0.25	28.33	1.77	9.55	426.58	613.34		1.63
SMDH 00185	120.1	100.73	0.15	38.44	85.81	182.68	20.72	71.64	13.22	1.68	9.31	1.15	7.21	1.42	3.13	0.27	2.99	0.25	32.75	1.67	10.02	429.82	695.86		
SMDH 00186	115.4	98.41	0.10	35.06	84.42	171.84	19.52	71.64	12.42	1.45	6.70	1.03	6.21	1.21	4.21	0.53	3.41	0.60	28.45	2.08	15.92	630.42	634.83	1.26	
SMDH 00186	98.7	83.40	0.16	30.22	69.74	149.78	16.62	60.09	9.43	1.68	6.36	0.92	5.77	1.10	3.46	0.27	2.79	0.25	26.18	1.77	6.60	291.23	807.32		1.61
SMDH 00186	28.1	25.54	0.09	6.89	25.03	50.70	5.54	18.49	3.10	1.23	2.27	0.29	1.22	0.27	0.76	0.27	0.62	0.25	8.05	0.73	7.19	296.50	476.04		
SMDH 00186	53.6	52.76	0.09	10.64	46.92	97.74	10.96	39.29	6.21	1.12	3.40	0.29	2.22	0.27	1.19	0.27	0.83	0.25	17.45	0.73	5.66	234.90	395.08		
SMDH 00186	101.3	93.55	0.10	24.66	79.18	158.55	18.19	69.33	10.46	1.23	6.81	1.03	4.99	0.88	2.81	0.27	1.65	0.25	33.09	2.29	7.67	327.16	515.74	1.26	1.40
SMDH 00186	38.6	39.17	0.09	6.65	38.07	73.85	8.55	28.89	4.48	1.34	2.72	0.29	1.44	0.27	0.65	0.27	0.26	0.25	11.33	0.73	5.19	227.07	500.31		
SMDH 00186	63.7	56.68	0.09	17.41	50.42	97.86	11.69	41.60	7.47	1.34	4.43	0.29	3.11	0.55	1.19	0.27	1.24	0.25	17.91	1.35	7.31	323.65	571.73		
SMDH 00186	102.6	102.13	0.06	20.19	87.21	172.20	20.84	76.27	12.99	1.12	8.06	0.92	4.11	0.55	1.19	0.27	0.83	0.25	37.85	2.60	7.78	346.62	625.47	0.72	1.45
SMDH 00186	93.9	92.44	0.10	19.10	80.34	173.91	18.79	68.18	11.61	1.12	7.26	0.92	4.55	0.66	2.16	0.27	1.34	0.25	33.77	2.29	10.61	434.42	550.24		
SMDH 00186	101.5	105.98	0.13	16.32	90.00	192.31	22.05	78.58	13.80	1.23	7.72	0.92	4.44	0.55	1.62	0.27	0.83	0.25	40.12	2.50	9.55	374.58	541.57	1.36	
SMDH 00186	124.9	133.99	0.06	18.50	126.10	253.00	29.03	99.38	14.95	1.45	9.08	1.03	4.55	0.66	1.19	0.27	0.83	0.25	54.29	2.60	9.43	418.07	540.87		
SMDH 00187	88.9	59.55	0.06	40.38	50.07	97.98	12.05	41.60	7.47	1.01	4.99	0.80	5.10	1.10	2.70	0.64	3.20	0.25	18.93	1.98	10.02	483.32	661.01		
SMDH 00187	81.3	55.84	0.12	35.30	47.16	94.69	11.20	39.29	7.24	1.34	4.77	0.69	4.66	0.99	2.05	0.53	2.79	0.25	17.91	1.87	7.08	344.59	1031.82		
SMDH 00187	95.2	88.89	0.06	24.42	79.87	160.62	19.15	64.71	11.73	1.01	7.04	0.80	4.22	0.77	1.40	0.27	1.55	0.25	33.66	2.08	5.31	254.49	595.48		1.66
SMDH 00187	90.6	74.25	0.13	30.71	66.60	127.23	15.90	52.00	9.66	1.56	5.67	0.80	5.55	1.10	2.70	0.27	2.79	0.25	23.12	2.08	6.72	297.31	1747.79	2.34	
SMDH 00187	103.1	94.05	0.11	27.20	83.02	159.65	19.52	68.18	11.96	1.34	7.38	0.92	5.44	0.99	2.05	0.27	2.17	0.25	33.32	1.77	8.49	391.60	764.68		
SMDH 00187	81.2	74.31	0.10	21.16	65.32	128.21	16.02	53.16	10.00	1.79	5.90	0.69	4.44	0.77	1.73	0.27	1.65	0.25	23.57	1.15	7.08	319.60	826.57		1.48
SMDH 00187	92.2	92.85	0.11	18.01	82.67	163.67	20.36	67.02	12.65	1.68	7.38	0.92	4.55	0.77	1.30	0.27	0.83	0.25	29.35	1.35	7.43	331.22	1194.26		
SMDH 00187	101.2	108.99	0.09	14.75	104.56	202.55	24.46	79.73	14.49	1.90	7.94	0.92	3.88	0.55	0.97	0.27	0.62	0.25	40.57	1.35	6.96	317.84	1221.65	1.02	
SMDH 00187	82.0	84.27	0.10	14.99	76.96	151.73	18.67	61.24	11.50	1.45	6.70	0.69	3.66	0.55	1.08	0.27	0.72	0.25	31.39	1.35	6.37	281.10	1243.49		1.52
SMDH 00187	83.0	80.03	0.09	18.74	70.68	140.03	17.23	57.78	10.35	1.45	6.01	0.80	4.22	0.66	1.62	0.27	1.45	0.25	27.99	1.77	7.08	324.06	1145.20		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00187	44.4	45.93	0.04	6.89	46.57	85.67	10.36	33.51	5.52	1.90	3.29	0.29	1.78	0.27	0.54	0.27	0.26	0.25	15.87	0.62	5.31	241.25	382.25		
SMDH 00188	119.3	131.07	0.06	19.34	135.65	333.07	32.04	92.44	16.67	0.89	9.31	1.03	5.55	0.77	2.49	0.27	2.27	0.25	53.27	3.75	27.59	956.64	838.36	0.43	
SMDH 00188	84.6	75.33	0.13	23.82	62.88	138.08	15.66	54.31	10.12	1.12	5.67	0.80	4.55	0.99	2.27	0.27	3.61	0.25	29.35	2.81	10.02	400.92	1046.56		1.50
SMDH 00188	88.0	78.25	0.15	25.27	68.46	147.10	16.99	55.47	9.20	1.45	5.67	0.92	4.88	0.99	3.35	0.53	3.51	0.25	28.90	1.77	8.61	329.46	927.29		
SMDH 00188	114.5	95.59	0.13	37.72	91.87	183.54	20.60	68.18	12.42	1.79	7.04	1.15	5.66	1.21	3.67	0.53	4.03	0.25	34.57	2.29	9.43	361.74	779.07		
SMDH 00188	111.5	87.51	0.21	41.47	68.81	141.98	18.79	61.24	11.96	1.34	7.94	1.15	6.33	1.21	3.13	0.27	3.82	0.50	20.06	1.67	7.78	352.83	833.33	0.92	
SMDH 00188	77.2	64.79	0.19	25.39	52.75	111.39	14.22	46.22	8.85	1.23	5.11	0.69	3.66	0.77	2.16	0.27	2.48	0.25	16.66	0.83	7.31	333.65	612.64		
SMDH 00188	102.3	80.46	0.19	38.08	64.85	138.69	17.59	56.62	10.92	1.34	7.04	0.92	5.33	1.10	3.24	0.27	4.03	0.50	20.29	1.67	8.02	367.96	662.05		
SMDH 00188	96.2	74.71	0.22	36.27	62.29	131.74	16.02	52.00	9.43	1.23	6.36	1.03	5.66	1.10	3.03	0.27	3.41	0.50	18.59	1.77	8.14	377.28	663.78		1.48
SMDH 00188	99.7	84.72	0.19	31.43	72.31	151.85	17.83	60.09	11.15	1.34	7.49	1.03	5.77	0.99	2.59	0.27	2.48	0.25	29.24	2.19	9.32	410.64	808.54	0.55	
SMDH 00188	87.8	77.80	0.15	25.51	72.54	146.97	16.87	55.47	9.66	1.34	6.36	0.80	4.66	0.88	3.03	0.27	2.79	0.25	27.99	1.67	6.72	281.64	700.71		1.45
SMDH 00188	106.6	92.04	0.17	31.80	76.96	164.16	18.55	67.02	10.81	1.34	7.38	0.92	5.55	0.99	2.81	0.53	2.99	0.50	31.73	1.77	11.09	496.15	835.23		
SMDH 00188	90.2	76.96	0.14	28.77	65.90	141.86	16.62	54.31	10.35	1.12	6.81	0.92	5.10	0.99	2.38	0.27	2.48	0.25	27.54	1.67	7.19	309.47	835.23		1.52
SMDH 00188	106.8	91.22	0.18	33.25	85.46	170.13	19.03	64.71	11.84	1.34	7.72	1.15	6.33	1.21	3.67	0.53	3.82	0.50	35.93	2.08	8.61	374.31	724.98		
SMDH 00188	117.3	93.30	0.16	41.59	78.71	164.16	19.03	67.02	12.07	1.45	8.17	1.03	6.21	1.31	3.67	0.64	3.92	0.60	30.83	2.19	8.61	374.71	692.22		
SMDH 00188	109.3	83.73	0.17	41.35	68.81	143.93	17.11	58.93	12.65	1.34	7.94	1.15	6.55	1.31	3.78	0.64	3.82	0.50	27.65	2.29	9.79	439.42	732.26	0.25	
SMDH 00188	111.8	91.23	0.19	38.32	78.13	163.31	19.15	64.71	11.84	1.45	8.06	1.15	6.21	1.21	3.35	0.53	3.41	0.50	31.62	2.29	10.61	465.76	720.82		1.52
SMDH 00189	108.6	102.72	0.13	26.60	92.92	186.46	21.81	75.11	13.34	1.12	8.06	0.92	4.88	0.88	2.38	0.27	2.17	0.25	35.36	2.50	18.75	840.33	1475.96		
SMDH 00189	80.3	76.91	0.24	19.34	69.51	187.31	16.87	55.47	10.69	0.89	6.13	0.80	3.77	0.77	1.84	0.27	2.38	0.25	33.89	2.08	13.68	598.00	1256.67		
SMDH 00189	84.7	77.09	0.17	22.37	65.09	109.68	16.87	54.31	9.89	2.12	6.58	0.92	4.99	0.88	2.49	0.27	2.68	0.25	16.55	1.35	8.14	371.33	803.16	2.81	1.20
SMDH 00189	101.2	88.85	0.17	29.86	82.09	164.40	19.15	63.56	10.92	1.68	7.15	1.03	5.10	1.10	2.70	0.27	2.89	0.25	27.43	1.56	7.90	361.61	775.08		
SMDH 00189	44.5	34.79	0.10	15.84	31.44	65.57	7.35	24.27	4.48	1.23	3.40	0.29	2.89	0.55	1.40	0.27	1.55	0.25	9.07	0.83	5.78	275.56	542.26		
SMDH 00189	63.7	55.07	0.15	18.50	47.86	100.42	11.32	39.29	7.13	1.45	5.22	0.69	3.77	0.66	1.73	0.27	1.65	0.25	15.87	1.15	5.07	235.98	706.26		1.38
SMDH 00189	62.9	53.04	0.13	19.46	52.63	102.49	10.96	38.13	6.67	1.34	4.54	0.29	3.66	0.55	1.94	0.27	1.76	0.25	16.89	1.04	6.49	291.77	528.05		
SMDH 00189	70.4	58.79	0.15	22.12	52.16	102.98	12.17	41.60	7.36	1.68	5.67	0.80	4.22	0.77	2.05	0.27	2.07	0.25	14.39	1.25	7.90	351.75	737.98	0.25	
SMDH 00189	91.7	73.64	0.20	31.67	64.62	132.35	15.06	52.00	8.39	1.45	6.36	0.92	5.66	1.10	2.92	0.27	3.20	0.25	20.85	1.56	8.73	380.12	801.43		
SMDH 00189	69.4	58.34	0.15	21.88	51.58	110.41	12.17	41.60	7.13	1.34	4.88	0.69	3.88	0.77	2.05	0.27	2.27	0.25	17.45	1.15	7.43	331.76	710.07		1.54
SMDH 00190	183.9	177.40	0.09	42.92	153.69	323.20	37.23	130.58	22.53	0.78	14.07	1.61	7.99	1.53	3.89	0.64	4.03	0.50	59.50	4.27	22.29	997.03	916.89		
SMDH 00190	86.3	72.50	0.14	27.68	63.46	141.37	15.30	50.84	8.74	1.45	6.24	0.92	5.44	1.10	2.81	0.27	2.79	0.25	23.46	1.56	8.61	384.30	1266.55	1.14	
SMDH 00190	88.3	62.76	0.18	36.27	48.55	107.61	12.65	42.76	8.85	1.90	6.24	1.03	6.33	1.31	3.35	0.64	3.92	0.25	14.73	1.04	8.14	364.58	2005.92		1.44
SMDH 00190	97.4	82.68	0.14	31.67	75.10	155.38	18.43	57.78	10.69	1.45	6.92	0.92	5.55	1.10	3.03	0.53	3.20	0.25	27.09	1.77	7.31	322.17	540.18		
SMDH 00190	93.4	70.14	0.13	36.51	61.71	123.70	14.70	48.53	8.85	1.45	5.79	0.92	5.99	1.31	3.67	0.64	3.92	0.50	22.10	1.25	7.43	328.11	808.71		
SMDH 00190	66.6	56.83	0.09	20.67	52.40	102.61	11.93	40.44	7.13	1.01	4.65	0.57	3.88	0.77	1.94	0.27	2.17	0.25	18.47	0.94	4.84	216.40	548.50	0.39	1.49
SMDH 00190	83.6	70.20	0.11	26.96	62.99	129.55	14.94	49.69	8.85	1.34	5.67	0.80	4.77	0.99	2.59	0.27	2.58	0.25	23.35	1.15	6.25	291.91	553.36		
SMDH 00190	89.9	71.48	0.12	32.76	63.69	132.23	15.66	49.69	8.74	1.34	5.56	0.80	5.33	1.21	3.35	0.64	3.72	0.25	22.67	1.56	8.14	349.45	653.90		
SMDH 00190	97.2	75.38	0.13	36.03	62.99	131.62	15.42	53.16	9.20	1.23	5.90	0.92	5.88	1.31	3.57	0.53	3.30	0.25	22.44	1.56	7.78	353.91	658.76		1.53
SMDH 00190	104.8	84.22	0.14	36.15	79.06	156.48	17.11	60.09	11.27	1.56	6.81	0.92	6.10	1.31	3.78	0.64	3.82	0.60	30.03	1.98	10.85	493.18	588.72	0.96	1.36
SMDH 00190	106.7	88.90	0.15	34.33	84.65	166.47	18.43	63.56	10.92	1.90	7.15	0.92	5.99	1.21	3.78	0.53	3.72	0.50	31.39	1.98	6.96	321.63	659.45		
SMDH 00190	121.7	103.11	0.13	38.93	96.18	187.44	22.17	72.80	13.22	1.79	7.94	1.15	6.99	1.42	3.67	0.64	3.72	0.50	30.71	1.87	11.79	496.15	495.80	0.29	
SMDH 00190	107.0	92.54	0.15	32.76	84.07	170.50	19.76	65.87	12.30	1.45	7.83	1.03	5.88	1.10	3.03	0.53	3.20	0.25	31.28	1.56	8.02	321.76	731.22		
SMDH 00190	115.9	94.45	0.16	39.90	85.70	175.98	20.12	65.87	12.30	1.68	7.72	1.03	7.44	1.42	4.00	0.64	3.72	0.50	29.58	2.50	11.56	488.85	667.08		1.51
SMDH 00191	201.9	195.82	0.10	48.12	177.10	366.58	43.13	140.98	23.80	1.12	15.21	1.95	9.77	1.75	4.43	0.74	4.34	0.60	66.64	3.75	22.88	992.70	454.54		
SMDH 00191	77.0	74.02	0.13	18.50	70.91	159.53	16.62	53.16	9.31	1.12	5.33	0.69	3.55	0.66	1.94	0.27	2.07	0.25	27.20	1.04	7.90	349.86	564.97	0.79	
SMDH 00191	89.2	79.92	0.13	25.75	73.94	152.34	17.83	56.62	10.12	1.34	6.36	0.80	4.66	0.88	2.49	0.27	2.68	0.25	26.86	1.04	8.02	331.76	665.34		1.55
SMDH 00191	116.0	101.74	0.15	34.45	89.89	188.65	21.81	72.80	12.99	1.56	8.40	1.03	6.10	1.21	3.24	0.53	3.41	0.25	32.53	1.67	8.61	372.55	731.22		
SMDH 00191	126.0	100.93	0.16	46.06	92.57	182.44	22.53	70.49	12.53	1.56	8.28	1.15	6.77	1.64	4.00	0.64	4.85	0.60	31.85	1.98	16.16	907.06	787.73	0.46	1.44
SMDH 00191	104.6	86.96	0.15	34.70	77.08	159.77	18.31	62.40	10.69	1.23	6.81	0.92	5.33	1.21	3.35	0.53	3.82	0.60	29.47	1.98	8.84	394.70	607.79		
SMDH 00191	119.5	106.69	0.16	34.94	96.76	197.79	23.73	76.27	13.91	1.56	8.06	1.03	5.66	1.21	3.24	0.64	3.72	0.50	37.29	2.08	10.61	480.21	720.13		
SMDH 00191	117.1	99.45	0.16	38.32	89.31	184.63	22.17	70.49	12.42	1.45	7.72	0.92	5.88	1.42	3.67	0.64	4.23	0.60	33.32	1.67	10.02	445.63	845.12		1.42
SMDH 00191	88.0	79.61	0.11	25.03	74.17	150.39	18.19	56.62	10.00	1.56	5.90	0.69	4.11	0.88	2.38	0.27	2.79	0.25	27.77	1.35	8.02	351.48	691.35	0.35	
SMDH 00191	120.5	105.62	0.13	36.87	94.08	195.60	23.49	75.11	12.99	1.45	7.83	0.92	6.10	1.31	3.57	0.64	4.03	0.50	37.06	1.98	7.78	363.50	674.36		
SMDH 00192	242.7	252.64	0.09	45.21	218.78	467.86	56.62	183.73	35.76	1.45	21.68	2.30	9.99	1.64	3.78	0.53	3.82	0.50	110.16	4.17	27.24	1217.88	586.47		1.35
SMDH 00192	160.4	150.23	0.14	41.95	126.80	258.49	33.61	107.47	20.24	1.79	12.37	1.49	7.66	1.53	3.57	0.53	3.61	0.50	61.77	1.87	11.67	519.65	875.63		
SMDH 00192	208.4	195.06	0.15	53.44	159.63	340.38	41.92	140.98	26.56	1.79	16.23	1.84	10.32	1.86	4.65	0.74	4.54	0.60	79.22	2.50	14.03	577.74	912.38	0.59	
SMDH 00192	176.7	168.26	0.11	42.19	130.29	281.40	35.18	122.49	22.31	1.45	15.21	1.61	8.99	1.64	3.89	0.64	4.44	0.60	66.41	2.08	11.20	462.11	741.10		1.57
SMDH 00192	152.7	145.91	0.11	36.75	117.37	252.03	31.68	106.31	19.20	1.68	11.69	1.26	6.66	1.31	3.24	0.53	3.82	0.60	59.16	1.25	10.50	432.26	709.90		
SMDH 00192	173.6	172.59	0.11	36.51	143.22	303.58	37.23	127.11	22.31	1.68	13.28	1.38	6.88	1.31	3.13	0.53	3.51	0.50	68.68	1.35	10.73	461.16	741.10		
SMDH 00193	108.5	107.85	0.03	22.73	90.00	190.48	22.65	79.73	14.72	0.56	8.62	0.92	4.55	0.77	1.73	0.27	1.76	0.25	43.29	1.87	10.38	472.78	354.17	0.55	1.47
SMDH 00193	89.3	82.32	0.08	22.85	73.24	154.53	16.99	60.09	10.92	1.12	7.04	0.80	4.44	0.77	2.27	0.27	2.07	0.25	34.23	1.35	8.02	371.20	459.92		
SMDH 00193	99.2	95.13	0.10	22.12	82.90	180.73	19.40	70.49	12.99	1.34	7.60	0.80	4.44	0.77	2.27	0.27	1.65	0.25	43.18	1.35	7.31	349.59	501.18		
SMDH 00193	127.2	114.25	0.12	33.85	96.99	196.82	22.65	84.36	16.10	1.79	9.19	1.15	6.10	1.21	3.46	0.27	2.99	0.25	48.62	1.56	7.90	363.64	593.75	1.20	1.42
SMDH 00193	112.7	96.92	0.09	34.45	75.22	162.21	20.12	69.33	13.34	1.45	9.19	1.03	6.44	1.21	2.92	0.27	2.99	0.25	37.29	1.35	10.26	433.61	634.14		
SMDH 00193	121.1	113.98	0.11	29.74	90.35	196.70	23.97	83.20	15.75	1.34	9.87	1.15	5.66	1.10	2.27	0.27	2.07	0.25	45.56	1.46	10.02	431.18	629.11		
SMDH 00193	156.0	131.49	0.13	48.36	107.94	225.58	25.54	95.91	16.90	1.68	11.35	1.49	8.54	1.53	4.86	0.74	4.44	0.60	58.25	1.87	9.43	433.20	710.42		
SMDH 00193	127.1	109.13	0.11	38.57	86.98	188.90	22.41	78.58	15.75	1.79	9.99	1.26	6.88	1.31	3.13	0.27	3.20	0.25	42.50	1.56	8.25	348.10	586.29		1.53
SMDH 00193	116.6	105.53	0.12	30.34	87.33	186.95	21.08	77.42	14.60	1.79	9.53	1.15	5.88	1.10	2.81	0.27	1.96	0.25	40.80	1.25	12.74	645.68	705.56	0.58	
SMDH 00194	89.6	81.94	0.06	22.49	72.31	151.24	15.90	61.24	10.46	1.12	6.58	0.80	3.99	0.77	2.16	0.27	1.65	0.25	29.01	1.25	9.20	351.21	416.06		
SMDH 00194	168.0	170.07	0.12	30.10	151.37	311.25	34.21	128.27	20.47	2.01	11.80	1.38	6.21	1.10	2.59	0.27	1.76	0.25	62.33	1.77	12.15	497.90	762.77		1.35
SMDH 00194	180.2	168.00	0.08	43.76	145.20	310.52	33.61	124.80	20.58	2.01	12.94	1.49	8.10	1.53	4.32	0.64	3.61	0.60	66.64	2.50	10.26	411.59	440.33		
SMDH 00194	139.0	118.54	0.11	41.95	101.65	216.44	23.13	87.82	15.64	1.68	8.97	1.15	6.44	1.42	3.89	0.53	3.20	0.60	43.75	1.98	11.91	481.70	670.89	0.58	
SMDH 00194	135.9	117.83	0.10	39.53	100.72	214.86	23.25	86.67	15.06	1.79	8.97	1.15	6.77	1.31	3.67	0.53	3.10	0.50	43.29	1.87	9.32	403.08	644.89		1.37
SMDH 00194	170.9	147.11	0.13	50.29	129.24	273.60	28.67	108.62	17.82	2.12	11.12	1.49	8.32	1.75	4.75	0.74	3.82	0.70	52.25	1.98	12.03	523.44	724.63		
SMDH 00194	148.4	131.25	0.11	41.47	110.61	238.13	26.26	97.07	16.56	1.90	9.65	1.26	6.66	1.53	3.89	0.64	3.51	0.70	48.28	1.98	8.96	359.04	625.82		
SMDH 00194	169.4	164.10	0.11	36.99	130.87	292.24	33.73	121.33	19.89	2.01	12.14	1.49	7.55	1.31	2.92	0.27	2.89	0.25	61.09	2.50	10.26	424.29	646.62	0.34	1.59
SMDH 00194	188.2	191.20	0.12	35.91	162.31	350.13	40.96	140.98	22.99	2.01	13.16	1.72	7.55	1.31	3.03	0.27	2.58	0.25	70.95	1.87	12.03	525.33	830.38		
SMDH 00194	141.6	148.04	0.11	22.49	128.78	279.45	31.08	110.93	17.13	2.12	9.76	1.03	4.99	0.88	1.94	0.27	1.86	0.25	52.70	1.46	11.91	500.74	790.51		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00195	256.2	243.52	0.10	59.84	194.91	427.15	48.79	179.11	30.24	1.68	19.41	2.41	13.21	2.08	4.75	0.64	4.44	0.60	85.57	5.31	32.78	1370.79	509.67		1.24
SMDH 00195	125.0	115.17	0.09	31.43	92.92	202.30	23.01	84.36	14.72	1.45	9.08	1.26	6.55	1.21	2.70	0.27	2.48	0.25	39.33	2.40	10.26	423.88	509.67	0.65	
SMDH 00195	109.3	96.09	0.09	31.07	79.64	170.50	19.40	69.33	12.99	1.56	7.83	1.03	6.33	1.10	2.59	0.27	2.48	0.25	32.19	2.29	7.90	329.60	476.73		
SMDH 00195	128.0	118.72	0.10	31.92	105.49	210.10	24.58	86.67	14.49	1.90	9.31	1.26	6.21	1.21	2.49	0.27	2.48	0.25	36.49	1.98	12.03	563.28	594.62		1.54
SMDH 00195	136.1	125.19	0.10	34.58	101.88	220.83	25.42	91.29	15.64	1.79	10.21	1.38	7.10	1.21	2.92	0.27	2.68	0.25	42.16	1.87	9.55	417.80	653.56		
SMDH 00195	131.8	132.06	0.10	25.39	116.67	239.11	27.59	98.22	15.87	1.90	9.42	1.15	5.10	0.88	2.05	0.27	2.17	0.25	46.58	1.67	13.09	601.65	676.09	0.45	
SMDH 00195	106.5	103.68	0.11	23.21	95.71	198.65	22.17	76.27	11.73	1.79	7.26	0.80	4.44	0.88	2.05	0.27	2.48	0.25	37.51	1.15	13.68	615.02	886.03		1.62
SMDH 00195	113.8	116.99	0.10	20.19	108.63	226.43	25.30	86.67	12.88	1.90	8.06	0.92	4.11	0.77	1.84	0.27	1.55	0.25	41.59	1.15	12.62	536.54	698.63		
SMDH 00196	236.1	221.69	0.09	59.72	197.36	409.85	46.74	161.78	27.94	1.45	17.36	2.18	10.99	2.19	4.65	0.64	4.34	0.60	84.43	4.48	29.84	1279.07	542.61		
SMDH 00196	148.1	126.05	0.11	45.46	106.89	225.09	25.06	91.29	16.21	1.68	10.10	1.49	8.21	1.64	3.78	0.53	3.72	0.25	45.90	3.54	9.08	391.46	650.09	1.68	1.38
SMDH 00196	142.1	130.82	0.16	36.39	115.04	239.47	26.99	95.91	16.10	1.90	9.65	1.26	6.66	1.21	2.70	0.27	2.68	0.25	46.92	2.40	68.28	4122.10	696.90		
SMDH 00196	152.5	144.19	0.12	36.27	127.50	278.23	29.52	106.31	18.05	1.56	11.12	1.38	6.99	1.31	2.92	0.27	2.68	0.25	57.80	2.60	12.15	563.69	787.04		
SMDH 00196	161.0	152.94	0.13	38.32	140.77	277.98	32.53	110.93	18.05	2.23	11.69	1.49	7.99	1.42	3.24	0.27	3.10	0.25	51.68	2.29	11.91	520.33	788.78		1.54
SMDH 00196	174.5	167.29	0.14	42.07	146.36	307.48	36.62	120.18	21.27	1.79	14.19	1.72	8.77	1.53	3.57	0.53	3.20	0.25	67.43	3.54	12.26	504.66	824.49		
SMDH 00197	119.0	100.07	0.08	38.69	87.44	198.53	20.84	71.64	12.53	1.12	8.62	1.03	6.55	1.42	3.03	0.64	3.51	0.50	34.23	2.29	20.99	904.63	415.71	1.38	
SMDH 00197	76.6	68.46	0.08	20.91	59.27	131.25	14.09	49.69	8.62	1.34	6.01	0.57	4.11	0.66	1.73	0.27	1.65	0.25	23.12	1.15	12.97	577.74	553.01		
SMDH 00197	76.2	71.06	0.08	18.62	65.90	139.30	14.94	52.00	8.39	1.45	5.79	0.57	3.55	0.77	1.40	0.27	1.14	0.25	24.37	0.94	10.97	465.08	556.82		1.62
SMDH 00197	150.0	126.78	0.13	48.12	108.05	248.61	26.50	90.13	16.21	1.56	10.89	1.26	8.88	1.97	4.21	0.74	4.54	0.60	44.77	1.77	11.91	541.54	779.93		
SMDH 00197	122.7	101.05	0.11	40.14	89.19	198.16	20.60	71.64	12.99	2.12	8.97	1.03	7.77	1.64	3.13	0.64	3.41	0.25	34.00	1.46	9.55	461.30	669.33	1.30	
SMDH 00197	66.4	60.78	0.10	17.29	55.31	124.67	13.25	43.91	7.59	1.56	5.11	0.29	3.33	0.66	1.30	0.27	1.24	0.25	21.76	1.04	10.97	489.94	800.91		1.52
SMDH 00197	95.2	81.59	0.10	29.38	73.01	163.31	16.75	58.93	10.58	1.01	7.15	0.80	5.10	1.10	2.38	0.27	2.58	0.25	27.99	1.25	11.32	468.73	535.85		
SMDH 00197	133.4	113.60	0.15	42.55	95.01	214.98	24.21	78.58	13.80	1.45	9.53	1.38	9.43	1.97	4.11	0.85	4.75	0.70	40.35	1.98	11.32	504.25	844.77	1.11	1.56
SMDH 00197	146.8	117.24	0.17	52.71	100.13	214.00	24.46	83.20	14.83	1.34	9.53	1.38	8.21	1.75	4.43	0.74	4.85	0.70	38.87	2.29	10.97	488.18	666.21		1.63
SMDH 00197	138.0	119.16	0.13	42.43	100.37	214.86	25.06	85.51	14.95	1.45	9.08	1.26	7.32	1.53	3.78	0.64	4.23	0.60	39.44	3.02	10.14	439.15	638.99		
SMDH 00197	95.3	78.44	0.10	31.92	67.65	144.17	16.50	55.47	10.12	1.45	6.47	0.92	5.55	0.99	2.59	0.27	2.48	0.25	26.86	1.98	7.78	339.19	449.69		
SMDH 00198	136.8	124.59	0.09	39.05	110.96	238.74	28.07	87.82	14.83	1.23	10.33	1.38	7.32	1.42	3.13	0.53	3.92	0.60	44.65	3.23	22.05	1216.94	640.73		
SMDH 00198	122.1	110.83	0.09	33.85	96.64	204.74	23.73	79.73	14.72	1.12	8.97	1.26	6.10	1.21	2.49	0.53	3.41	0.50	38.19	2.71	15.68	822.50	900.76		
SMDH 00198	161.7	157.34	0.13	37.60	142.87	301.26	35.06	113.24	19.20	1.79	11.35	1.49	7.55	1.31	3.03	0.53	2.99	0.25	64.83	3.02	17.81	755.77	511.75	3.53	1.59
SMDH 00198	81.2	86.30	0.09	13.42	79.64	166.72	19.88	62.40	11.04	1.34	6.81	0.69	3.33	0.27	0.76	0.27	0.72	0.25	31.73	1.56	8.37	408.89	719.78		1.41
SMDH 00198	77.0	80.31	0.10	12.57	73.12	154.90	17.47	58.93	10.58	1.56	6.36	0.69	3.22	0.27	0.76	0.27	0.62	0.25	30.03	1.46	9.32	492.10	915.33	1.19	
SMDH 00198	65.2	67.98	0.10	10.64	63.11	134.79	14.94	49.69	8.16	1.56	5.22	0.69	2.66	0.27	0.65	0.27	0.72	0.25	25.61	0.94	7.67	400.38	861.24		
SMDH 00198	74.4	75.19	0.08	14.14	67.53	140.27	16.26	55.47	9.43	1.34	5.56	0.57	2.89	0.27	0.97	0.27	1.24	0.25	26.75	1.15	7.55	360.26	736.42		1.67
SMDH 00198	93.1	91.24	0.12	20.55	78.36	171.84	20.24	65.87	11.27	1.56	7.38	0.92	4.22	0.77	1.51	0.27	1.65	0.25	32.30	1.46	10.73	537.48	938.21		
SMDH 00198	129.9	119.75	0.11	33.61	107.70	215.95	24.58	87.82	14.60	1.12	9.08	0.92	6.44	1.21	3.03	0.53	3.20	0.25	39.10	1.98	10.26	434.42	851.36	1.39	
SMDH 00198	93.8	90.72	0.08	20.91	81.74	170.86	19.28	65.87	12.76	1.45	8.06	0.80	4.77	0.77	1.84	0.27	1.55	0.25	30.71	2.40	7.43	316.22	795.71		1.45
SMDH 00198	56.5	54.97	0.09	12.21	51.35	104.69	11.69	40.44	5.52	1.01	3.97	0.29	2.55	0.27	0.97	0.27	1.14	0.25	18.02	1.46	15.57	688.77	791.90		
SMDH 00198	92.8	88.84	0.09	21.28	82.79	168.91	18.55	64.71	11.38	1.23	7.26	0.80	4.77	0.77	1.84	0.27	1.65	0.25	30.37	2.08	7.43	329.05	737.29		
SMDH 00198	94.4	94.75	0.13	19.34	87.68	183.17	20.84	69.33	11.84	1.12	6.92	0.80	3.77	0.66	1.51	0.27	1.55	0.25	33.32	1.77	8.96	382.28	762.77	1.25	1.02
SMDH 00198	39.4	36.34	0.07	9.19	33.88	68.86	7.59	26.58	3.91	1.45	2.38	0.29	1.89	0.27	0.97	0.27	0.83	0.25	10.54	0.62	3.30	146.43	382.25		
SMDH 00199	63.2	56.30	0.04	17.29	45.53	98.59	11.08	41.60	6.90	0.67	4.77	0.29	3.33	0.66	1.73	0.27	1.45	0.25	19.49	1.04	8.49	389.03	370.64	1.06	1.53
SMDH 00199	110.5	98.56	0.07	30.95	83.83	178.78	20.12	71.64	12.07	1.12	7.83	0.92	5.88	1.10	3.03	0.27	2.99	0.25	33.77	2.19	15.57	711.20	559.77		
SMDH 00199	122.9	113.28	0.09	32.40	101.30	211.44	24.09	82.04	14.14	1.34	9.87	1.15	5.99	1.21	2.81	0.27	2.68	0.25	41.48	2.19	13.92	606.51	604.67		
SMDH 00199	91.0	80.32	0.10	25.75	66.95	139.05	16.14	58.93	9.66	1.12	6.58	0.80	4.44	0.88	2.49	0.27	2.58	0.25	27.77	1.67	7.19	296.23	585.08		1.50
SMDH 00199	73.9	68.37	0.11	18.62	58.68	117.12	14.22	49.69	8.85	1.12	6.24	0.69	3.77	0.66	1.62	0.27	2.07	0.25	22.67	1.46	8.02	320.54	480.55	1.94	
SMDH 00199																									
SMDH 00199	60.7	63.14	0.07	9.79	58.33	123.82	13.25	47.38	7.70	1.01	4.77	0.29	2.22	0.27	0.76	0.27	0.93	0.25	20.06	0.83	8.49	271.78	377.57		
SMDH 00199	44.2	46.63	0.07	6.17	43.08	84.70	10.12	34.67	5.86	1.56	3.29	0.29	1.55	0.27	0.27	0.27	0.52	0.25	16.66	0.94	10.14	482.24	436.17		1.55
SMDH 00199	97.8	105.85	0.10	13.78	97.81	200.11	23.25	78.58	14.03	1.45	7.49	0.80	3.22	0.55	1.19	0.27	1.14	0.25	40.80	1.67	12.03	554.77	519.20	1.42	
SMDH 00200	82.0	67.74	0.06	27.20	55.31	113.46	13.85	48.53	7.36	0.89	5.45	0.80	4.55	0.99	2.27	0.27	2.68	0.25	21.53	1.15	9.20	425.37	390.40		1.48
SMDH 00200	86.6	73.71	0.08	27.32	62.99	126.26	15.42	53.16	9.43	1.01	5.79	0.80	4.33	0.88	2.38	0.27	2.58	0.25	24.14	1.35	8.02	368.36	457.66		
SMDH 00200	117.2	105.59	0.09	33.13	88.72	180.37	22.41	76.27	13.11	0.89	8.62	1.03	5.88	1.10	2.81	0.53	3.10	0.25	36.04	2.08	19.93	903.55	439.11		
SMDH 00200	180.5	170.51	0.12	44.13	143.91	289.81	35.78	124.80	21.27	1.68	14.75	1.61	8.32	1.53	3.46	0.64	3.30	0.60	59.27	3.12	22.29	994.19	717.35	3.81	1.37
SMDH 00200	257.7	265.70	0.09	48.00	230.19	491.13	57.46	195.29	34.03	1.45	21.56	2.41	10.54	1.86	3.78	0.53	3.41	0.50	101.89	4.58	15.57	712.28	592.19		
SMDH 00200	94.0	83.65	0.09	25.63	68.81	140.76	16.26	61.24	10.69	1.01	7.94	1.03	5.10	0.88	2.27	0.27	2.27	0.25	26.29	1.87	9.08	393.49	671.07		
SMDH 00200	113.3	101.36	0.11	31.80	85.81	182.56	21.08	72.80	13.57	1.23	9.99	1.26	6.21	0.99	2.38	0.27	2.89	0.25	33.89	2.60	11.20	496.69	679.56		1.41
SMDH 00200	97.4	86.47	0.10	27.20	73.01	154.04	17.71	62.40	11.15	1.45	8.28	1.03	5.33	0.99	2.38	0.27	2.48	0.25	28.56	1.98	9.79	424.42	671.07	1.71	
SMDH 00200	20.7	16.33	0.08	5.92	16.88	31.32	3.49	11.56	2.07	1.90	1.36	0.29	1.00	0.27	0.54	0.27	0.62	0.25	3.85	0.26	7.19	316.22	444.49		
SMDH 00201	164.2	133.52	0.13	56.70	116.67	249.83	27.95	94.76	17.13	1.90	10.78	1.49	9.32	1.86	4.65	0.85	5.27	0.70	45.56	2.71	16.63	701.47	846.50		
SMDH 00201	143.3	118.43	0.15	47.87	102.70	227.16	24.94	84.36	14.95	1.90	9.65	1.26	7.88	1.53	4.11	0.64	4.34	0.60	39.55	2.40	12.38	518.44	926.59		1.36
SMDH 00201	156.8	143.63	0.13	42.31	129.24	271.04	30.60	104.00	17.94	1.45	10.21	1.38	7.66	1.42	3.57	0.64	3.61	0.50	52.02	3.02	23.00	962.99	697.76	2.10	
SMDH 00201	137.4	126.90	0.13	36.75	113.41	243.13	27.47	91.29	15.75	1.23	9.31	1.26	6.88	1.21	3.03	0.53	3.10	0.25	47.83	2.81	20.99	893.82	607.62		
SMDH 00201	173.8	173.06	0.11	37.60	157.30	333.56	38.07	125.96	22.31	1.23	12.37	1.49	7.55	1.31	3.03	0.27	2.89	0.25	66.19	3.23	20.28	877.48	632.75		1.48
SMDH 00201	603.0	644.67	0.12	101.31	705.25	1412.47	145.53	471.47	77.26	2.57	38.13	4.82	22.86	3.40	6.70	0.85	4.85	0.70	367.66	10.20	13.80	565.44	869.04		
SMDH 00201	110.1	104.01	0.11	27.20	98.04	201.82	22.65	75.11	13.11	1.56	7.49	1.03	5.22	0.99	2.38	0.27	2.38	0.25	39.10	1.98	9.91	398.89	467.02	1.36	
SMDH 00201	108.1	90.79	0.11	34.94	83.48	171.23	19.28	64.71	10.92	1.68	6.47	0.92	5.88	1.10	2.92	0.53	3.51	0.50	33.66	2.92	8.73	338.24	438.07		1.38
SMDH 00201	137.6	115.95	0.15	43.88	97.69	201.94	23.61	83.20	13.91	1.34	9.87	1.26	7.88	1.53	4.11	0.74	4.65	0.70	39.89	2.40	9.55	390.38	557.86		1.46
SMDH 00201	135.7	118.08	0.13	40.98	99.55	200.72	24.58	84.36	15.75	1.23	11.24	1.38	7.77	1.42	3.35	0.64	3.41	0.60	38.53	2.29	7.67	323.11	578.32		
SMDH 00201	125.4	102.33	0.13	41.95	81.27	170.62	20.12	73.96	13.57	1.23	8.97	1.38	6.88	1.42	4.00	0.53	3.82	0.50	34.11	2.29	8.96	325.14	696.20	2.01	
SMDH 00201	55.5	55.90	0.05	10.40	48.44	98.59	11.69	41.60	7.01	0.89	4.54	0.29	2.33	0.27	0.86	0.27	0.72	0.25	19.61	2.40	6.60	303.79	224.32		1.77
SMDH 00201	102.8	103.80	0.08	20.07	92.57	188.65	22.29	76.27	12.88	1.23	8.28	0.92	4.33	0.77	1.62	0.27	1.55	0.25	36.83	1.87	5.78	240.04	556.30		
SMDH 00201	56.8	57.32	0.09	10.64	52.63	105.54	12.17	42.76	7.36	1.01	4.54	0.29	2.11	0.27	0.97	0.27	0.93	0.25	19.95	1.04	7.19	307.98	681.81		
SMDH 00201	103.2	98.86	0.10	23.70	86.51	174.64	20.48	72.80	13.11	1.12	7.94	1.03	4.55	0.88	1.84	0.27	2.07	0.25	36.61	1.77	8.96	341.75	592.19	1.61	1.57
SMDH 00201	89.0	83.49	0.11	21.76	71.49	147.71	17.23	61.24	10.46	1.01	7.72	0.80	4.22	0.77	1.73	0.27	1.55	0.25	29.81	1.46	6.60	267.19	520.42		
SMDH 00202	121.3	102.70	0.13	37.11	85.00	178.30	20.12	75.11	11.73	1.56	8.85	1.15	6.33	1.31	3.35	0.27	3.72	0.50	32.19	1.98	18.28	789.81	861.24		
SMDH 00202	104.7	85.51	0.14	35.06	71.03	150.63	17.35	61.24	10.92	1.45	7.26	1.03	5.88	1.21	3.13	0.27	3.20	0.50	26.86	1.67	11.91	449.14	934.74		1.65
SMDH 00202	119.3	113.62	0.08	28.41	98.39	205.59	23.73	83.20	13.68	1.01	9.31	1.03	5.66	1.10	2.49	0.27	2.58	0.25	39.89	2.50	23.35	1019.18	541.39	3.53	1.57

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00202	161.5	154.27	0.10	39.05	143.80	289.93	33.37	112.09	19.43	1.56	10.78	1.38	7.44	1.31	3.03	0.27	3.10	0.25	55.65	2.81	15.21	642.71	551.62		
SMDH 00202	304.0	301.24	0.14	63.83	258.95	542.69	62.52	221.87	35.76	1.45	24.06	2.75	14.09	2.19	5.51	0.74	5.27	0.60	113.45	5.83	21.58	943.67	753.93		1.55
SMDH 00202	84.2	71.14	0.09	26.84	65.90	132.35	14.94	50.84	9.08	1.12	6.24	0.80	4.55	0.88	2.38	0.27	2.17	0.25	24.93	1.77	8.73	369.44	428.89		
SMDH 00202	75.9	60.75	0.12	26.48	53.21	112.49	12.53	42.76	7.70	1.23	5.33	0.80	4.66	0.88	2.38	0.27	2.48	0.25	19.83	1.56	5.90	252.73	470.32	1.12	1.56
SMDH 00202	76.9	67.39	0.09	21.76	57.40	121.50	13.73	48.53	8.16	1.45	5.56	0.69	4.44	0.77	2.05	0.27	1.96	0.25	21.87	2.19	8.25	326.08	504.47	1.49	
SMDH 00202	82.0	64.23	0.10	30.10	55.54	115.53	13.25	45.07	8.39	0.89	6.13	0.80	5.10	0.99	2.81	0.27	3.30	0.25	21.53	1.87	8.61	364.85	464.08		1.60
SMDH 00202	116.3	98.67	0.13	37.36	93.26	186.83	20.60	70.49	11.73	0.89	8.51	1.03	6.55	1.31	3.24	0.27	3.51	0.50	33.89	2.50	7.31	282.32	707.99		
SMDH 00202	128.6	94.86	0.19	52.35	87.68	172.81	19.52	65.87	11.50	0.89	8.74	1.26	8.21	1.86	5.08	0.74	5.16	0.70	32.53	2.81	6.72	274.21	825.70		
SMDH 00202	91.7	73.65	0.12	32.28	67.53	133.93	15.30	52.00	9.31	1.12	6.36	0.80	5.55	1.21	3.35	0.53	3.51	0.50	25.84	2.19	6.25	264.08	561.68	1.79	1.53
SMDH 00202	126.8	97.20	0.16	49.45	84.65	168.18	20.60	67.02	11.61	0.78	8.85	1.15	8.43	1.86	4.75	0.96	6.51	0.80	34.34	3.85	7.78	292.04	388.32		
SMDH 00202	63.9	60.38	0.09	15.23	56.12	110.90	13.01	43.91	7.13	1.34	5.22	0.57	2.89	0.66	1.51	0.27	1.45	0.25	21.87	1.56	6.37	273.67	608.31		
SMDH 00202	92.5	95.01	0.13	17.77	87.44	174.88	21.32	69.33	10.81	1.01	6.70	0.69	3.66	0.66	1.40	0.27	1.86	0.25	35.93	2.50	14.39	634.34	695.34		1.48
SMDH 00202	107.7	109.63	0.09	19.34	104.79	216.07	23.49	80.89	12.88	2.23	7.94	0.92	4.33	0.66	1.62	0.27	1.24	0.25	40.80	2.08	5.66	226.66	532.38		
SMDH 00202	62.8	62.69	0.05	12.45	62.06	108.22	12.89	46.22	7.70	0.56	5.22	0.69	2.89	0.27	0.76	0.27	0.72	0.25	21.42	2.71	4.13	177.90	368.90	1.55	
SMDH 00202	115.0	119.36	0.08	19.10	112.94	207.54	24.70	88.98	14.72	1.23	9.53	0.92	4.77	0.77	1.51	0.27	1.24	0.25	43.07	3.85	9.43	370.12	742.66		
SMDH 00202	81.5	84.11	0.08	13.90	76.61	156.85	17.47	62.40	10.12	1.01	6.13	0.69	3.55	0.55	1.08	0.27	1.03	0.25	29.69	1.87	8.61	351.61	367.69		1.64
SMDH 00202	100.8	107.48	0.05	15.47	100.37	202.43	23.61	79.73	13.57	1.45	7.72	0.80	3.33	0.55	1.30	0.27	1.24	0.25	41.48	1.35	5.07	201.54	351.92		
SMDH 00203	102.4	85.24	0.10	32.88	69.05	139.05	16.87	61.24	10.81	1.12	7.49	0.92	6.21	1.21	2.81	0.27	3.20	0.25	28.79	1.87	12.85	525.87	573.99	2.77	
SMDH 00203	79.5	65.87	0.11	25.63	59.73	118.82	13.25	47.38	8.16	1.23	6.01	0.80	4.44	0.99	2.27	0.27	2.58	0.25	19.61	1.56	11.09	468.73	739.54		1.48
SMDH 00203	93.8	79.26	0.13	29.62	70.09	144.54	16.50	56.62	10.00	1.45	7.49	0.92	5.22	1.10	2.81	0.53	2.89	0.25	25.61	2.19	11.91	528.43	732.26		
SMDH 00203	106.5	67.66	0.17	50.53	56.24	111.88	13.49	43.91	9.89	1.79	8.40	1.38	8.88	1.75	4.54	0.85	5.16	0.60	15.87	1.87	7.78	331.76	990.04		
SMDH 00203	68.8	39.46	0.10	35.30	28.41	58.62	7.35	25.42	5.63	1.34	5.79	0.92	5.77	1.21	3.24	0.53	3.51	0.25	7.82	1.15	3.54	166.55	609.18	2.23	1.49
SMDH 00203	51.9	34.32	0.09	23.09	28.41	58.13	6.87	23.11	5.17	1.34	4.09	0.57	3.77	0.77	1.94	0.27	2.07	0.25	8.73	1.04	5.19	223.83	469.80		
SMDH 00203	72.9	65.71	0.09	19.95	61.48	127.96	14.09	47.38	7.93	1.34	4.88	0.69	3.55	0.66	1.73	0.27	1.76	0.25	23.69	1.46	7.55	296.77	436.34		
SMDH 00203	36.7	36.62	0.02	6.65	38.54	74.22	8.31	26.58	4.94	1.79	3.06	0.29	1.44	0.27	0.27	0.27	0.26	0.25	12.69	0.26	0.71	39.17	186.71		
SMDH 00203	59.1	49.02	0.08	18.50	43.78	87.26	10.12	34.67	6.44	1.68	4.65	0.57	3.66	0.77	1.73	0.27	1.65	0.25	14.85	0.83	3.42	148.99	324.52		1.73
SMDH 00203	67.4	51.88	0.09	24.54	43.55	89.94	10.60	35.82	7.59	1.56	5.33	0.69	4.77	0.88	2.38	0.27	2.48	0.25	16.09	1.15	5.66	233.96	514.35	1.40	
SMDH 00203	68.1	56.59	0.09	21.76	49.02	101.52	11.69	40.44	7.36	1.45	5.33	0.69	3.77	0.77	1.84	0.27	1.86	0.25	18.70	0.94	5.07	225.31	349.49		
SMDH 00203	66.6	59.17	0.08	18.62	53.44	110.54	12.29	42.76	8.16	1.12	5.22	0.69	3.44	0.66	1.62	0.27	1.65	0.25	21.42	1.25	5.42	238.28	332.50		1.44
SMDH 00203	68.0	58.68	0.09	20.31	51.81	106.88	12.29	41.60	8.39	1.34	5.67	0.69	4.11	0.66	1.84	0.27	1.76	0.25	19.61	1.35	7.43	307.44	499.96		
SMDH 00203	68.5	64.34	0.09	16.80	58.22	119.68	14.22	46.22	8.51	1.56	4.99	0.69	3.22	0.66	1.40	0.27	1.14	0.25	23.01	1.25	7.08	298.26	350.70	0.92	
SMDH 00203	65.4	60.95	0.09	16.32	58.80	119.07	13.13	43.91	7.24	1.23	4.54	0.57	3.33	0.55	1.40	0.27	1.34	0.25	22.33	1.15	6.72	269.89	374.28		1.55
SMDH 00203	82.4	70.33	0.13	25.75	66.14	138.81	15.18	49.69	8.97	1.45	5.56	0.80	4.66	0.88	2.27	0.27	2.27	0.25	27.99	1.67	8.49	350.13	475.87	0.53	
SMDH 00203	95.8	76.65	0.13	33.13	70.79	147.95	15.54	54.31	9.20	1.56	6.13	0.92	5.88	1.10	3.57	0.27	2.68	0.25	29.69	1.87	8.49	348.51	616.98		
SMDH 00204	84.8	65.85	0.09	31.43	59.73	129.18	13.61	46.22	7.93	1.12	5.79	0.80	5.22	1.10	2.81	0.27	3.20	0.25	22.67	1.77	11.09	488.85	554.92		1.35
SMDH 00204	97.6	75.84	0.16	35.78	68.46	146.00	15.66	53.16	9.77	1.68	6.47	0.92	6.10	1.21	3.13	0.53	3.51	0.50	24.82	1.98	9.55	414.02	882.21		
SMDH 00204	104.1	80.71	0.16	38.08	69.74	150.87	16.50	56.62	10.12	1.79	6.47	1.03	6.55	1.21	3.35	0.53	3.51	0.50	25.50	1.98	10.26	418.07	897.12	4.11	
SMDH 00204	60.0	53.64	0.05	16.32	44.94	95.67	10.84	39.29	6.90	0.89	4.54	0.29	3.22	0.55	1.30	0.27	1.45	0.25	19.38	0.94	3.89	200.86	297.65		1.69
SMDH 00204	39.7	35.18	0.08	10.88	30.27	62.64	7.47	25.42	4.71	1.12	2.61	0.29	2.00	0.27	0.76	0.27	0.93	0.25	11.90	1.04	5.66	255.30	432.01		
SMDH 00204	67.5	72.05	0.07	9.67	79.99	129.79	16.38	53.16	7.70	2.12	4.43	0.29	2.22	0.27	0.65	0.27	0.93	0.25	15.75	0.83	4.84	213.56	368.90		
SMDH 00204	33.5	32.88	0.06	6.17	30.97	60.81	7.11	24.27	4.60	1.56	2.16	0.29	1.22	0.27	0.27	0.27	0.26	0.25	11.33	0.73	4.72	239.63	547.29	1.63	1.66
SMDH 00204	48.8	39.37	0.11	16.32	41.45	76.05	8.79	27.73	4.02	1.90	2.84	0.29	2.55	0.55	1.40	0.27	2.27	0.25	9.75	0.26	6.96	289.61	589.76		
SMDH 00266	178.1	174.02	0.13	39.41	157.89	319.42	36.98	127.11	21.62	1.68	13.62	1.61	8.32	1.53	3.13	0.27	2.99	0.25	61.77	3.23	26.53	1387.27	571.39	1.59	
SMDH 00266	124.3	114.16	0.10	31.55	102.35	204.01	22.89	84.36	15.06	1.45	9.08	1.03	5.88	1.10	2.49	0.27	2.58	0.25	39.67	2.19	7.90	341.48	710.07		
SMDH 00266	91.8	77.98	0.10	28.41	69.16	137.96	15.90	56.62	9.77	1.34	6.01	0.69	4.77	0.99	2.38	0.27	2.68	0.25	26.63	1.35	7.78	327.57	642.11		
SMDH 00266	92.9	85.82	0.10	23.70	75.45	152.82	18.07	62.40	10.81	1.45	6.70	0.80	4.55	0.88	1.94	0.27	1.96	0.25	28.79	1.35	6.13	261.65	484.71		1.61
SMDH 00266	108.2	94.02	0.13	32.04	79.76	165.50	19.15	68.18	11.38	1.34	7.94	0.92	5.77	1.21	2.70	0.27	3.20	0.25	32.75	1.98	11.67	606.24	671.24	0.63	
SMDH 00266	39.5	39.28	0.09	7.25	36.21	81.04	8.55	28.89	4.71	1.56	2.95	0.29	1.55	0.27	0.76	0.27	0.72	0.25	14.85	0.62	9.08	439.01	646.45		1.46
SMDH 00266	91.3	83.63	0.16	23.70	78.48	153.43	17.59	61.24	9.31	1.56	6.13	0.69	4.11	0.88	2.16	0.27	2.48	0.25	29.47	0.94	11.32	490.07	779.41		1.52
SMDH 00266	206.5	178.49	0.24	63.23	157.54	312.35	36.74	128.27	21.73	1.56	13.96	1.72	11.76	2.41	5.73	0.96	6.40	0.91	62.56	1.77	6.84	276.51	667.08		
SMDH 00266	60.7	57.64	0.10	13.78	52.98	105.90	12.05	42.76	6.21	1.34	3.97	0.29	2.55	0.27	1.08	0.27	1.34	0.25	20.40	0.73	9.55	400.92	665.69		
SMDH 00266	101.1	97.14	0.09	22.61	91.17	176.35	20.48	71.64	11.84	1.79	7.38	0.80	4.22	0.88	1.94	0.27	1.86	0.25	32.87	1.35	7.90	334.73	631.02	0.32	1.65
SMDH 00266	96.5	88.62	0.13	24.90	81.16	161.84	18.67	64.71	10.00	1.68	6.24	0.69	4.55	0.88	2.27	0.27	2.48	0.25	30.60	1.25	12.85	554.50	715.62		
SMDH 00266	80.7	86.85	0.09	11.00	82.20	165.99	18.79	64.71	10.46	1.68	6.36	0.57	2.77	0.27	0.97	0.27	0.62	0.25	30.71	0.94	9.55	394.97	614.38		
SMDH 00267	104.4	73.41	0.09	44.01	64.85	125.65	14.70	49.69	9.54	1.68	8.17	1.15	7.88	1.64	3.57	0.53	2.99	0.25	21.76	2.29	9.55	382.01	589.41	51.64	1.68
SMDH 00267	94.3	62.44	0.07	42.19	54.84	106.51	11.93	41.60	8.97	1.56	7.60	1.15	7.77	1.53	3.24	0.53	2.79	0.25	18.25	1.98	8.37	342.83	612.99		
SMDH 00267	227.9	101.03	0.11	143.02	75.10	151.97	18.19	63.56	12.76	2.01	13.85	2.52	16.76	3.51	10.59	1.91	8.26	1.31	28.11	3.85	8.73	362.69	733.65		
SMDH 00267	118.5	89.56	0.08	44.97	79.87	158.31	17.95	61.24	12.42	1.90	9.76	1.49	8.88	1.64	3.57	0.53	3.10	0.25	27.31	3.12	7.19	278.53	664.30		1.72
SMDH 00267	91.4	64.08	0.06	37.84	54.84	105.42	11.93	43.91	8.62	1.45	7.38	1.03	7.21	1.31	3.13	0.53	2.68	0.25	18.59	2.60	5.66	217.88	608.83	0.59	
SMDH 00267	127.6	89.50	0.10	53.68	77.90	153.19	17.11	61.24	11.27	1.56	10.10	1.49	9.65	1.86	4.65	0.74	4.44	0.60	26.18	3.23	8.96	393.76	748.90		
SMDH 00267	87.1	79.52	0.09	23.45	75.80	149.90	16.99	56.62	10.81	1.12	7.49	0.92	4.99	0.77	1.84	0.27	1.76	0.25	25.27	2.29	7.90	300.55	603.28		1.75
SMDH 00267	80.7	78.72	0.10	16.93	73.47	146.49	16.14	57.78	10.12	1.23	6.92	0.80	3.99	0.66	1.40	0.27	1.24	0.25	25.73	1.87	10.26	413.75	717.01		
SMDH 00267	73.5	77.05	0.09	11.85	71.84	140.15	16.62	56.62	10.23	1.23	6.70	0.80	3.00	0.27	0.86	0.27	0.72	0.25	25.50	1.56	9.08	367.42	617.15	0.55	
SMDH 00267	69.6	72.71	0.09	11.24	68.58	134.42	15.54	53.16	9.31	1.23	6.01	0.69	3.33	0.27	0.76	0.27	0.62	0.25	23.91	1.67	8.96	403.35	643.50		1.73
SMDH 00267	51.9	54.18	0.09	7.98	51.00	112.00	11.57	40.44	6.32	1.34	4.65	0.29	1.89	0.27	0.65	0.27	0.62	0.25	20.06	1.15	8.02	380.52	518.68		
SMDH 00267	77.0	81.11	0.09	11.36	75.33	151.12	17.23	60.09	9.66	1.79	6.24	0.69	3.11	0.27	0.76	0.27	0.72	0.25	27.54	1.25	6.60	293.12	622.70		1.63
SMDH 00267	75.0	70.23	0.08	18.62	61.48	126.74	14.70	50.84	9.20	0.89	6.01	0.80	3.88	0.66	1.51	0.27	1.55	0.25	22.10	1.98	8.25	337.43	594.96		
SMDH 00267	95.9	100.89	0.08	14.75	92.33	188.78	21.20	75.11	13.11	1.45	8.40	0.92	3.66	0.55	1.08	0.27	0.83	0.25	34.57	2.40	9.20	380.93	733.65		
SMDH 00267	93.4	97.99	0.09	14.75	96.29	194.63	20.72	72.80	12.88	1.34	7.72	0.92	3.55	0.27	0.97	0.27	0.83	0.25	33.77	1.77	7.08	294.88	735.03	0.45	1.55
SMDH 00267	58.9	48.45	0.06	18.86	44.48	89.21	9.88	34.67	6.09	1.45	4.20	0.57	3.33	0.55	1.62	0.27	1.86	0.25	15.98	1.04	3.42	147.10	331.46		
SMDH 00267	62.2	60.60	0.09	13.30	57.64	112.49	13.01	43.91	7.59	1.34	4.88	0.57	3.11	0.27	1.08	0.27	1.14	0.25	20.17	1.15	6.96	282.59	554.74		1.68
SMDH 00267	31.5	28.54	0.07	7.74	26.43	53.14	5.90	20.80	4.14	1.12	2.84	0.29	1.55	0.27	0.54	0.27	0.52	0.25	8.73	0.94	8.14	362.82	398.03	0.31	
SMDH 00268	116.2	117.04	0.07	22.97	108.98	221.92	25.06	85.51	15.87	1.23	9.87	1.15	5.33	0.88	1.73	0.27	1.65	0.25	42.05	3.33	12.97	534.65	514.52		
SMDH 00268	99.4	91.84	0.06	25.75	86.98	176.95	19.28	65.87	12.53	1.12	8.28	1.15	5.55	0.88	2.05	0.27	1.65	0.25	32.19	3.23	9.32	385.65	632.41		1.31
SMDH 00268	88.3	88.05	0.04	18.01	73.01	167.21	18.91	63.56	12.19	1.12	8.40	1.03	4.55	0.77	1.51	0.27	0.83	0.25	30.15	3.33	9.20	401.86	520.59	1.22	
SMDH 00268	71.4	67.45	0.04	17.05	66.14	129.79	14.34	48.53	9.20	1.23	6.13	0.80	3.77	0.55	1.08	0.27	0.83	0.25	21.76	3.12	7.55	332.43	384.16		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00268	158.0	167.90	0.04	26.23	150.55	342.09	38.07	121.33	25.29	1.90	16.80	1.84	6.66	1.10	2.05	0.27	1.55	0.25	61.65	5.83	7.31	328.24	524.41		1.43
SMDH 00268	116.5	113.28	0.04	25.63	102.23	209.49	24.09	82.04	16.21	1.68	10.10	1.26	5.88	0.88	1.84	0.27	1.45	0.25	39.78	3.64	8.61	397.68	572.77	1.06	
SMDH 00268	114.4	116.69	0.03	20.67	108.52	224.85	24.82	85.51	17.59	1.90	10.67	1.26	5.10	0.77	1.51	0.27	0.93	0.25	42.50	4.06	3.18	146.02	576.93		1.55
SMDH 00268	85.4	86.68	0.09	15.72	83.02	169.52	18.43	63.56	12.30	1.45	7.72	0.92	3.77	0.55	1.08	0.27	0.83	0.25	31.39	3.23	7.08	296.50	635.18		
SMDH 00268	89.2	90.53	0.04	16.56	89.31	173.05	19.15	67.02	13.11	1.23	7.72	0.80	3.55	0.27	0.86	0.27	0.62	0.25	31.85	2.81	7.90	350.40	615.24		
SMDH 00268	64.3	66.08	0.05	11.12	66.60	133.93	13.97	48.53	8.74	1.12	5.79	0.69	2.89	0.27	0.76	0.27	0.62	0.25	23.12	1.98	6.49	257.06	564.45	0.98	1.55
SMDH 00268	71.8	72.94	0.06	13.30	70.79	142.59	15.54	53.16	10.00	1.12	6.13	0.80	3.44	0.27	0.97	0.27	0.62	0.25	25.95	2.29	5.78	243.55	651.82		
SMDH 00268	131.5	129.68	0.10	27.68	109.33	252.27	27.59	93.60	20.81	1.68	14.64	1.84	6.66	1.10	2.27	0.27	1.24	0.25	47.71	5.31	7.78	352.69	863.84		
SMDH 00268	59.0	58.87	0.09	11.73	53.33	109.93	12.65	42.76	8.97	1.01	6.01	0.69	2.77	0.27	0.97	0.27	0.62	0.25	20.97	2.08	8.25	382.41	613.34		
SMDH 00268	55.1	55.37	0.09	10.64	56.35	111.75	11.69	40.44	7.36	0.78	4.88	0.57	2.66	0.27	0.76	0.27	0.72	0.25	20.85	1.98	9.79	415.37	771.09		
SMDH 00268	106.2	115.16	0.10	15.11	107.35	219.12	25.78	84.36	15.41	1.68	10.21	1.03	3.99	0.55	1.30	0.27	0.62	0.25	42.84	3.02	9.79	365.26	951.38	1.01	1.41
SMDH 00268	92.5	98.37	0.06	14.63	93.50	185.00	21.93	71.64	13.57	1.45	8.28	0.92	3.88	0.55	1.08	0.27	0.62	0.25	37.29	2.08	6.96	326.62	533.07		
SMDH 00268	77.9	78.58	0.09	15.72	69.86	142.59	17.71	56.62	10.81	1.34	7.83	0.92	3.33	0.55	1.30	0.27	0.93	0.25	30.60	1.87	5.78	266.78	695.68		1.54
SMDH 00268	99.5	111.91	0.09	10.76	104.33	208.76	24.58	83.20	16.90	1.45	9.19	0.92	3.22	0.27	0.76	0.27	0.52	0.25	44.09	2.40	6.01	302.71	717.35	0.54	
SMDH 00268	57.8	60.98	0.06	8.58	56.35	112.00	13.01	45.07	9.08	1.23	4.65	0.57	2.33	0.27	0.65	0.27	0.62	0.25	22.67	1.56	6.25	290.56	554.74		
SMDH 00268	72.1	78.38	0.08	10.52	74.64	149.66	18.07	56.62	11.27	1.23	7.15	0.69	3.00	0.27	0.86	0.27	0.52	0.25	29.92	2.19	7.78	370.66	739.02		1.48
SMDH 00268	62.3	65.78	0.05	9.55	60.66	121.02	14.46	48.53	9.20	1.45	6.01	0.57	2.22	0.27	0.76	0.27	0.52	0.25	24.03	1.77	6.49	314.87	574.33		
SMDH 00268	61.7	65.64	0.06	8.83	64.62	129.30	14.09	48.53	8.39	1.34	5.33	0.57	2.44	0.27	0.65	0.27	0.26	0.25	24.03	1.56	6.96	328.78	503.43		1.70
SMDH 00268	88.7	95.34	0.09	12.69	92.92	182.44	20.72	70.49	11.96	1.34	7.72	0.80	3.33	0.27	0.76	0.27	0.62	0.25	33.21	2.29	8.14	348.78	671.76	0.63	
SMDH 00268	77.1	79.98	0.09	13.66	76.85	161.84	18.07	57.78	11.73	1.56	7.60	0.92	3.22	0.27	1.08	0.27	0.72	0.25	30.71	2.08	7.78	374.31	810.96	0.87	
SMDH 00268	106.3	110.91	0.08	17.77	95.71	199.99	23.61	82.04	14.14	1.23	9.31	1.03	4.22	0.66	1.30	0.27	1.14	0.25	45.22	2.60	6.49	276.10	681.12		
SMDH 00269	113.3	105.72	0.04	29.26	98.85	200.72	22.65	76.27	14.37	1.01	9.19	1.15	5.66	0.99	2.27	0.27	1.86	0.25	46.47	3.02	11.91	518.98	314.47		1.45
SMDH 00269	99.0	99.96	0.07	19.34	89.54	178.66	21.68	72.80	13.57	1.34	8.28	1.03	4.44	0.66	1.51	0.27	1.14	0.25	39.89	2.29	6.60	297.45	439.29		
SMDH 00269	102.2	103.90	0.08	18.74	93.61	190.24	22.17	76.27	14.03	1.68	8.97	1.03	4.44	0.66	1.51	0.27	1.03	0.25	43.29	1.98	5.31	225.31	365.44	0.89	
SMDH 00269	124.3	133.40	0.08	18.13	119.23	244.84	29.03	98.22	18.40	1.79	11.01	1.26	4.88	0.66	1.30	0.27	0.93	0.25	56.21	2.40	6.84	275.56	407.04		1.55
SMDH 00269	101.9	112.59	0.06	11.48	107.12	213.88	24.21	84.36	13.45	2.01	8.40	0.80	3.22	0.27	0.76	0.27	0.26	0.25	46.13	1.46	4.48	193.30	435.30		
SMDH 00269	134.1	149.86	0.07	15.11	140.65	284.93	33.01	110.93	19.66	2.12	11.80	1.26	4.66	0.55	0.97	0.27	0.26	0.25	63.01	2.19	7.43	301.23	502.56		
SMDH 00269	99.7	108.64	0.08	12.69	107.70	207.18	23.73	80.89	13.80	2.12	8.06	0.80	3.22	0.27	0.86	0.27	0.26	0.25	42.05	1.67	8.73	376.74	605.88	1.12	1.47
SMDH 00269	269.6	300.96	0.08	30.22	295.86	585.46	64.57	225.33	37.83	3.02	21.45	2.18	8.88	1.21	2.05	0.27	0.93	0.25	122.17	3.02	7.90	341.62	555.26		
SMDH 00269	300.9	318.00	0.12	48.48	307.04	611.30	68.31	235.73	38.75	2.68	23.26	2.64	11.32	1.64	3.46	0.27	1.86	0.25	124.78	3.64	11.44	466.43	695.68		
SMDH 00269	157.2	106.70	0.27	71.57	95.24	198.16	22.05	73.96	12.76	1.01	9.08	1.38	9.32	2.52	8.10	1.70	11.15	1.91	37.63	2.50	9.79	364.72	498.75		1.59
SMDH 00269	103.0	81.19	0.13	37.24	73.70	145.63	16.50	57.78	10.81	1.12	7.04	0.92	5.99	1.21	3.46	0.74	4.03	0.70	29.69	2.19	6.13	259.49	414.84	0.67	
SMDH 00269	94.9	79.48	0.09	31.07	73.12	147.95	16.99	55.47	11.84	1.34	9.65	1.03	5.99	1.21	2.70	0.27	2.38	0.25	29.13	1.87	6.25	333.78	495.11		1.58
SMDH 00269	146.6	136.59	0.12	38.32	124.00	255.07	30.00	98.22	19.32	1.68	12.26	1.38	6.99	1.31	3.89	0.53	2.99	0.50	57.80	2.71	9.20	474.00	604.50		
SMDH 00269	122.2	105.81	0.13	37.48	95.48	202.30	22.89	75.11	13.68	1.79	10.21	1.15	6.66	1.21	3.35	0.64	3.51	0.25	41.48	2.50	9.91	519.52	866.09		
SMDH 00269	84.2	80.46	0.07	20.07	73.94	150.27	17.11	57.78	10.81	0.78	8.17	0.92	4.66	0.77	1.94	0.27	1.55	0.25	30.83	2.29	7.08	400.78	669.16	1.11	1.57
SMDH 00269	71.2	70.13	0.05	15.11	63.46	127.60	14.82	50.84	9.77	0.78	7.26	0.80	3.66	0.55	1.51	0.27	0.72	0.25	24.25	2.40	6.49	315.28	554.74		
SMDH 00269	72.1	68.74	0.07	17.17	62.41	123.82	14.70	49.69	9.54	0.89	7.04	0.69	3.66	0.55	1.51	0.27	0.83	0.25	22.67	2.60	8.02	400.38	614.38		
SMDH 00269	89.2	75.53	0.13	28.17	68.81	144.29	16.02	53.16	9.89	1.56	7.38	0.80	5.55	0.99	3.35	0.64	3.72	0.80	29.35	1.77	7.08	349.86	512.44		1.58
SMDH 00269	76.2	57.10	0.16	29.14	51.70	107.25	11.08	40.44	7.24	1.01	5.22	0.80	4.77	1.10	3.13	0.64	4.03	0.70	20.85	1.87	6.37	264.35	443.45		
SMDH 00269	77.2	81.22	0.07	12.09	77.90	168.79	17.23	60.09	10.12	1.12	6.36	0.69	3.22	0.27	0.86	0.27	0.62	0.25	35.70	2.08	6.13	254.76	478.47		1.73
SMDH 00269	97.8	106.79	0.07	13.18	101.88	207.91	23.97	78.58	14.95	1.79	9.19	0.80	3.44	0.27	1.08	0.27	0.26	0.25	43.97	1.77	5.31	247.33	507.42	0.54	
SMDH 00269	64.3	68.29	0.07	9.67	66.37	137.71	14.94	50.84	8.74	1.23	5.33	0.29	2.22	0.27	0.54	0.27	0.26	0.25	25.39	1.87	7.55	341.21	532.55		
SMDH 00269	64.3	68.29	0.07	9.67	66.37	137.71	14.94	50.84	8.74	1.23	5.33	0.29	2.22	0.27	0.54	0.27	0.26	0.25	25.39	1.87	7.55	341.21	532.55		
SMDH 00270	54.4	55.15	0.02	9.79	55.31	108.10	11.81	40.44	7.70	1.23	4.77	0.57	2.33	0.27	0.65	0.27	0.26	0.25	19.72	1.35	3.54	160.61	119.79		1.62
SMDH 00270	35.2	35.78	0.02	5.68	33.42	68.61	7.47	26.58	4.37	1.23	2.95	0.29	1.44	0.27	0.27	0.27	0.26	0.25	12.13	1.04	1.65	63.49	175.26		
SMDH 00270	73.0	72.13	0.02	15.84	66.02	142.59	15.78	52.00	9.43	0.78	6.47	0.69	3.66	0.55	1.62	0.27	0.83	0.25	25.95	1.98	4.95	219.51	195.20	0.32	
SMDH 00270	38.9	32.61	0.04	11.12	34.46	63.62	7.11	23.11	5.86	2.23	3.29	0.29	2.11	0.27	0.76	0.27	0.93	0.25	10.20	0.83	2.24	70.11	82.34		1.61
SMDH 00270	38.7	31.45	0.04	12.45	31.90	62.76	6.99	21.96	4.48	1.79	3.29	0.29	2.22	0.27	1.19	0.27	1.24	0.25	9.75	1.46	2.83	127.65	74.72		
SMDH 00270	50.2	46.47	0.05	12.21	42.96	89.45	10.12	33.51	6.78	1.68	4.43	0.29	2.55	0.27	1.08	0.27	1.03	0.25	14.96	1.46	3.42	129.14	130.19		
SMDH 00270	40.7	33.87	0.02	12.33	32.25	63.37	6.99	24.27	4.94	1.45	3.29	0.29	2.33	0.27	0.97	0.27	0.93	0.25	10.65	1.25	2.12	86.18	91.88	0.84	1.52
SMDH 00270	29.4	21.67	0.02	11.12	22.24	43.51	4.70	15.02	3.33	1.34	2.72	0.29	1.66	0.27	0.76	0.27	1.03	0.25	7.37	1.15	1.30	55.38	106.27		
SMDH 00270	36.0	29.46	0.02	11.61	30.86	58.98	6.26	20.80	5.17	1.23	3.52	0.29	2.11	0.27	0.97	0.27	1.14	0.25	9.86	1.15	2.12	76.19	126.72		
SMDH 00270	30.6	28.09	0.02	7.86	27.94	56.18	6.38	19.64	3.91	1.01	2.95	0.29	1.78	0.27	0.54	0.27	0.26	0.25	9.07	1.04	1.53	62.27	104.01		1.57
SMDH 00270	32.6	26.56	0.03	10.64	24.92	50.09	5.78	18.49	4.48	1.23	2.38	0.29	2.00	0.27	0.97	0.27	0.72	0.25	8.16	1.56	1.77	65.65	101.76	0.31	
SMDH 00270	49.2	47.18	0.03	11.36	45.53	90.91	10.72	33.51	6.78	1.34	4.77	0.29	2.66	0.27	0.97	0.27	0.83	0.25	15.30	1.77	2.95	105.77	106.27		
SMDH 00270	41.1	28.42	0.03	15.84	18.16	39.36	4.34	20.80	3.10	1.23	2.61	0.29	3.00	0.27	1.30	0.27	1.14	0.25	6.80	1.87	2.24	73.35	119.96		1.55
SMDH 00270	26.9	18.99	0.02	11.00	19.10	41.92	4.22	12.71	3.22	1.12	1.93	0.29	1.78	0.27	0.86	0.27	0.83	0.25	6.57	0.94	1.89	67.40	72.46		
SMDH 00270	50.2	40.86	0.04	16.56	37.84	81.17	8.79	28.89	6.55	1.56	4.09	0.29	2.89	0.55	1.30	0.27	1.03	0.25	11.79	1.46	1.42	65.78	67.96	0.53	
SMDH 00271	41.1	39.86	0.02	9.79	37.14	81.04	8.79	28.89	5.17	0.28	3.52	0.29	1.89	0.27	0.65	0.27	0.72	0.25	15.07	1.46	5.66	259.08	101.76		1.73
SMDH 00271	57.8	59.54	0.06	9.79	56.59	123.45	13.01	43.91	7.59	1.45	4.54	0.29	2.33	0.27	0.54	0.27	0.62	0.25	23.12	1.04	7.55	286.23	322.96		
SMDH 00271	32.6	31.60	0.04	6.65	28.88	61.54	6.87	23.11	4.48	1.23	2.95	0.29	1.33	0.27	0.27	0.27	0.26	0.25	10.54	0.73	4.84	202.89	208.03		
SMDH 00271	19.6	12.11	0.06	8.46	10.25	20.96	2.29	8.09	2.07	1.34	1.70	0.29	1.44	0.27	0.54	0.27	0.72	0.25	2.83	0.52	7.19	283.40	316.38	0.83	1.45
SMDH 00271	67.3	73.43	0.06	8.70	68.00	152.46	16.50	54.31	9.66	1.68	5.79	0.29	2.33	0.27	0.54	0.27	0.26	0.25	28.22	1.04	4.72	203.70	320.71		
SMDH 00271	25.2	25.46	0.05	3.87	25.73	55.94	5.90	18.49	3.33	1.79	2.04	0.29	0.78	0.27	0.27	0.27	0.26	0.25	9.52	0.26	4.60	180.60	392.31		
SMDH 00271	27.2	28.00	0.08	3.63	27.36	55.33	6.02	20.80	3.56	1.56	1.93	0.29	0.89	0.27	0.27	0.27	0.26	0.25	10.20	0.26	5.31	214.10	464.25		
SMDH 00271	20.4	9.55	0.04	10.88	9.55	17.91	1.93	5.78	1.38	1.90	1.25	0.29	1.55	0.27	1.08	0.27	1.24	0.25	2.72	0.52	3.30	134.40	161.40		1.62
SMDH 00271	54.3	56.54	0.06	8.95	54.49	111.15	12.77	41.60	6.55	1.56	4.20	0.29	1.89	0.27	0.86	0.27	0.62	0.25	21.08	1.04	7.78	361.07	380.17	0.84	
SMDH 00271	66.7	73.11	0.09	8.46	71.49	145.02	16.62	54.31	8.51	1.79	4.88	0.29	1.89	0.27	0.65	0.27	0.62	0.25	27.43	0.83	7.90	353.50	569.48	0.43	
SMDH 00271	14.6	12.58	0.05	3.02	13.39	24.74	2.77	9.24	1.49	1.79	0.91	0.29	0.28	0.27	0.27	0.27	0.26	0.25	3.17	0.26	6.01	253.95	314.64		1.65
SMDH 00271	8.5	5.24	0.05	2.90	6.29	11.33	1.20	3.47	0.80	1.56	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.91	0.26	7.19	305.15	378.09		
SMDH 00271	8.9	6.75	0.03	1.93	8.38	14.26	1.57	4.62	0.69	1.79	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.91	0.26	2.48	103.20	240.62		
SMDH 00271	11.0	8.39	0.03	2.66	9.66	17.31	2.05	5.78	0.92	2.01	0.79	0.29	0.28	0.27	0.27	0.27	0.26	0.25	1.36	0.26	3.18	142.10	243.39		
SMDH 00271	32.0	34.18	0.04	3.51	33.53	68.25	7.47	25.42	4.71	1.79	2.27	0.29	1.00	0.27	0.27	0.27	0.26	0.25	11.56	0.52	3.77	155.75	261.25		1.57
SMDH 00271	56.7	62.26	0.06	6.65	58.33	123.45	13.97	46.22	7.59	1.79	4.43	0.29	1.78	0.27	0.27	0.27	0.26	0.25	23.57	0.83	5.66	245.71	474.65	0.14	1.61
SMDH 00271	18.8	17.13	0.04	3.75	16.07	31.81	3.86	12.71	1.72	1.79	1.25	0.29	0.28	0.27	0.27	0.27	0.26	0.25	4.76	0.52	4.48	187.36	322.79		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	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	23.9	20.76	0.05	5.56	19.21	39.85	4.34	15.02	2.53	1.90	1.70	0.29	1.11	0.27	0.27	0.27	0.26	0.25	6.57	0.62	5.07	208.16	355.04		
SMDH 00272	125.5	120.95	0.12	28.17	104.91	224.12	25.06	88.98	16.44	1.45	9.65	1.15	5.77	0.99	2.27	0.27	2.07	0.25	42.95	2.19	10.97	439.42	647.66		1.58
SMDH 00272	141.2	114.66	0.16	47.87	95.59	205.47	23.25	82.04	14.37	1.90	9.42	1.38	7.99	1.53	4.32	0.74	4.23	0.50	39.55	1.67	8.14	359.31	1040.66		
SMDH 00272	119.4	97.25	0.16	40.74	81.85	187.44	20.00	69.33	12.76	1.45	8.74	1.15	6.77	1.42	3.89	0.64	3.72	0.25	35.81	1.77	10.50	448.33	888.28		
SMDH 00272	79.9	60.27	0.06	30.34	55.42	106.76	12.17	42.76	7.36	1.45	5.67	0.69	4.66	0.99	3.03	0.27	2.79	0.25	21.31	0.94	4.01	184.25	439.63		1.56
SMDH 00272	139.2	54.95	0.05	92.85	42.03	84.58	10.12	32.36	6.90	1.56	6.01	1.38	11.10	2.85	8.97	1.80	9.91	1.71	16.09	1.25	3.77	161.69	352.44		
SMDH 00272	62.0	48.87	0.09	22.37	48.90	93.11	10.48	34.67	6.67	1.23	4.20	0.29	3.44	0.66	1.84	0.27	1.76	0.25	17.45	1.04	3.07	128.46	380.35		
SMDH 00272	90.7	93.01	0.09	16.20	90.12	181.83	19.88	69.33	10.69	1.34	6.58	0.69	3.11	0.55	1.51	0.27	1.34	0.25	32.64	1.25	8.96	379.44	580.57		1.45
SMDH 00272	114.6	95.29	0.16	37.72	85.70	170.62	19.76	68.18	11.50	1.34	7.38	1.03	6.33	1.21	3.35	0.53	3.30	0.50	31.73	2.29	10.02	408.08	725.33		
SMDH 00272	71.7	59.08	0.08	24.78	58.45	115.90	13.13	41.60	6.78	1.01	4.20	0.69	3.66	0.77	2.49	0.27	2.38	0.25	20.85	1.15	7.43	349.18	491.64		
SMDH 00272	56.5	56.17	0.08	11.12	51.35	109.20	12.29	41.60	6.55	1.45	4.20	0.29	2.00	0.27	0.86	0.27	0.93	0.25	20.17	0.83	7.31	316.90	550.06		
SMDH 00272	86.5	79.55	0.11	22.37	68.93	146.24	16.87	57.78	10.12	1.45	6.13	0.80	4.11	0.77	2.05	0.27	2.38	0.25	25.95	1.67	8.25	334.05	668.29		1.42
SMDH 00272	128.9	121.94	0.13	31.55	114.46	229.36	26.26	88.98	13.57	1.68	9.08	1.26	5.44	1.10	3.03	0.27	2.79	0.25	41.25	2.40	10.73	444.01	758.61		1.26
SMDH 00272	94.3	82.26	0.08	26.11	85.46	165.13	15.66	61.24	10.81	1.56	6.36	0.80	4.55	0.88	2.38	0.27	3.20	0.50	25.95	1.56	6.25	292.72	488.87	0.50	
SMDH 00272	75.7	80.34	0.07	11.24	80.69	154.53	17.35	60.09	8.97	1.45	5.56	0.57	2.33	0.27	0.97	0.27	0.93	0.25	29.58	1.15	7.67	316.22	706.78		
SMDH 00272	87.8	87.54	0.09	15.23	86.05	177.69	16.50	67.02	10.81	1.56	6.01	0.69	3.33	0.27	1.30	0.27	1.45	0.25	33.66	1.67	10.85	457.79	797.10		
SMDH 00272	105.6	115.04	0.09	14.39	112.71	224.85	25.18	85.51	14.83	1.34	8.62	0.80	3.55	0.27	1.19	0.27	0.93	0.25	42.61	1.98	8.96	391.73	651.13		
SMDH 00272	129.5	137.15	0.09	21.04	122.61	244.23	29.88	101.69	16.67	1.23	9.99	1.03	4.55	0.66	1.51	0.27	1.65	0.25	55.31	3.12	10.50	459.54	764.51		1.31
SMDH 00272	124.6	132.35	0.06	15.72	130.76	275.79	24.82	102.84	17.48	1.34	9.76	0.92	3.77	0.55	1.19	0.27	1.24	0.25	53.95	2.40	14.74	651.90	764.51		1.44
SMDH 00272	126.1	146.79	0.06	10.03	132.74	271.53	32.17	110.93	16.90	1.45	9.31	0.80	2.89	0.27	0.76	0.27	0.26	0.25	51.57	1.87	6.25	297.45	608.31		
SMDH 00272	138.0	135.58	0.12	30.71	118.30	249.71	29.39	99.38	16.79	1.12	10.10	1.03	5.77	0.99	3.13	0.53	3.30	0.25	48.85	2.81	9.08	415.51	841.65		
SMDH 00272	104.5	101.24	0.07	23.70	88.72	185.97	21.44	75.11	12.42	1.01	6.81	0.69	3.99	0.66	2.16	0.27	1.65	0.25	34.79	2.08	9.32	400.38	730.35		1.35
SMDH 00272	82.7	78.98	0.06	19.22	70.44	138.08	16.75	57.78	10.00	1.23	5.79	0.69	3.77	0.66	1.62	0.27	1.76	0.25	28.90	1.77	9.67	400.24	715.44	0.39	
SMDH 00272	89.4	86.23	0.09	20.19	77.43	159.04	18.43	63.56	10.35	1.45	6.24	0.69	3.55	0.55	1.62	0.27	1.65	0.25	30.49	1.87	6.84	307.44	610.04		
SMDH 00272	76.0	68.32	0.07	18.50	69.05	142.71	12.53	52.00	8.97	1.68	4.99	0.57	3.22	0.55	1.73	0.27	2.27	0.25	26.97	1.35	5.78	235.98	488.87		1.58
SMDH 00272	96.4	88.41	0.09	22.73	85.81	181.95	16.14	67.02	12.30	1.45	7.38	0.92	4.33	0.77	1.94	0.27	2.27	0.25	34.23	2.19	6.60	282.59	669.68		
SMDH 00013	132.6	125.02	0.13	32.76	111.20	222.90	26.74	90.13	17.02	1.56	10.78	1.26	6.88	1.10	2.49	0.27	2.48	0.25	39.33	17.91	10.02	426.04	663.96	0.41	
SMDH 00013	82.9	69.54	0.23	25.63	56.47	115.04	14.09	48.53	10.58	1.79	7.38	1.03	5.88	0.99	1.94	0.27	2.17	0.25	18.70	2.71	8.02	346.35	1093.88		1.37
SMDH 00013	52.1	47.30	0.13	13.42	41.92	85.67	9.88	33.51	6.44	1.23	4.65	0.69	3.22	0.27	0.97	0.27	0.72	0.25	15.07	1.67	4.72	205.73	596.87		
SMDH 00013	98.0	99.15	0.15	18.86	95.36	197.55	21.81	71.88	13.34	1.79	8.06	1.03	4.44	0.66	1.30	0.27	0.26	0.25	39.33	5.10	12.41	241.79	377.92		
SMDH 00013	38.9	38.10	0.06	8.34	33.53	66.91	8.19	27.73	4.60	0.67	3.18	0.29	1.89	0.27	0.65	0.27	0.62	0.25	12.01	0.94	3.30	143.32	412.59	0.36	1.58
SMDH 00013	76.4	63.94	0.14	24.06	49.83	105.90	13.01	43.91	10.81	1.45	6.47	0.92	6.10	0.88	2.16	0.27	1.34	0.25	17.79	1.25	5.90	247.87	823.27		
SMDH 00013	85.7	67.67	0.17	30.10	58.45	120.53	13.73	46.22	9.89	1.68	6.81	1.72	5.99	0.88	1.84	0.27	2.17	0.25	26.18	71.75	8.14	261.38	735.03		
SMDH 00013	67.7	67.61	0.13	14.02	63.34	130.77	15.06	48.53	8.85	1.12	5.33	0.69	3.33	0.27	1.08	0.27	0.93	0.25	22.78	2.29	6.60	278.94	681.29		1.52
SMDH 00013	133.9	117.15	0.12	40.14	104.68	214.98	24.58	83.20	14.95	1.23	9.99	1.49	7.88	1.42	3.03	0.27	2.79	0.25	37.17	3.23	4.25	189.79	756.18	0.13	
SMDH 00013	175.6	177.67	0.17	34.70	163.59	351.47	38.55	128.96	23.34	1.79	14.41	1.84	8.32	1.10	2.16	0.27	1.86	0.25	63.47	7.29	14.12	535.59	486.27		
SMDH 00013	107.9	109.24	0.11	20.55	101.07	208.28	23.25	79.73	13.91	1.34	9.08	1.15	5.10	0.77	1.40	0.27	1.14	0.25	34.00	2.92	7.08	317.57	577.80		1.62
SMDH 00012b	147.0	136.36	0.06	38.69	121.91	264.82	29.76	98.45	18.86	1.68	11.24	1.38	6.77	1.21	2.92	0.27	2.79	0.50	52.93	8.12	12.04	546.13	294.88		
SMDH 00012b	182.2	170.95	0.09	44.37	147.99	319.42	35.18	125.84	22.42	2.01	13.39	1.72	8.21	1.42	3.46	0.53	3.20	0.50	61.88	8.54	14.62	689.99	360.93		1.59
SMDH 00012b	29.1	28.80	0.02	6.41	24.92	56.06	6.38	20.80	3.91	0.28	2.50	0.29	1.33	0.27	0.27	0.27	0.26	0.25	9.86	0.73	3.18	138.19	130.88		1.57
SMDH 00012b	111.1	108.14	0.09	23.45	91.17	203.16	22.05	79.73	14.83	1.56	9.08	1.03	5.33	0.88	1.73	0.27	1.55	0.25	36.27	2.50	8.73	386.73	482.80		
SMDH 00012b	105.3	100.29	0.10	24.30	90.00	189.14	21.56	73.15	14.72	2.23	8.97	1.03	4.55	0.77	1.73	0.27	0.83	0.25	36.83	6.25	7.76	412.53	364.22		
SMDH 00012b	109.0	100.61	0.11	28.29	84.18	184.39	21.56	72.57	14.03	1.68	8.74	1.15	5.33	0.99	2.27	0.27	2.17	0.25	37.06	5.21	8.76	331.62	370.81		
SMDH 00012b	88.6	82.73	0.08	22.61	71.49	155.75	18.07	59.74	11.84	1.34	7.38	0.92	3.99	0.77	1.84	0.27	1.96	0.25	33.21	3.44	8.35	392.54	367.52		
SMDH 00012b	105.9	105.96	0.09	21.04	93.96	195.97	22.29	77.42	15.41	1.23	9.53	1.15	5.10	0.77	1.62	0.27	1.24	0.25	38.87	2.60	7.08	314.74	555.78		
SMDH 00012b	127.0	122.75	0.12	29.26	104.21	227.65	26.99	88.40	18.86	2.01	11.92	1.38	5.99	0.99	2.27	0.27	1.34	0.25	44.54	4.27	7.96	408.35	496.84		
SMDH 00012b	99.9	80.60	0.07	34.82	65.67	151.24	17.11	58.47	11.84	1.56	7.83	0.92	4.11	0.77	1.62	0.27	1.55	0.25	26.86	2.40	8.55	270.84	330.59		1.79
SMDH 00012b	97.7	88.91	0.08	26.35	73.82	164.16	19.28	65.06	12.99	1.68	8.40	0.92	3.66	0.66	1.19	0.27	1.34	0.25	31.39	2.40	8.55	250.84	361.45		
SMDH 00012b	99.3	84.70	0.09	31.55	72.31	163.79	18.31	61.36	12.42	1.34	8.17	0.92	4.11	0.66	1.51	0.27	1.03	0.25	31.51	3.44	10.97	471.70	466.50		
SMDH 00012b	103.9	102.12	0.09	21.76	88.14	185.49	21.20	75.11	14.60	1.23	8.85	1.03	4.77	0.77	1.84	0.27	1.86	0.25	35.59	2.40	8.25	359.72	543.65	0.17	
SMDH 00012b	115.3	102.87	0.08	33.00	89.42	197.06	22.29	75.23	14.72	1.68	9.42	1.03	4.33	0.77	1.62	0.27	1.34	0.25	35.59	2.71	8.11	174.12	395.43		
SMDH 00012	173.8	150.81	0.05	54.40	130.64	289.68	32.77	109.89	19.78	1.34	13.16	1.49	6.66	1.21	2.59	0.27	1.96	0.25	53.95	4.58	17.71	742.26	233.51		
SMDH 00012	109.7	93.94	0.09	35.30	84.53	196.58	20.96	68.29	12.19	1.45	7.38	0.80	3.88	0.77	1.62	0.27	1.55	0.25	35.81	2.60	8.83	646.76	473.61		1.55
SMDH 00012	59.9	53.92	0.07	16.08	45.99	92.62	11.08	40.33	6.90	1.01	4.20	0.29	2.22	0.27	0.65	0.27	0.72	0.25	15.53	1.35	6.10	533.03	296.96		
SMDH 00012	104.3	85.71	0.07	35.42	74.52	164.89	17.95	62.52	11.50	1.12	7.04	0.92	4.33	0.77	1.62	0.27	0.72	0.25	29.13	3.02	5.91	349.05	413.46		
SMDH 00012	108.9	108.74	0.10	22.37	100.60	223.75	23.61	80.89	13.57	1.45	7.60	0.80	3.44	0.66	1.62	0.27	1.96	0.25	40.23	3.12	8.16	445.22	425.59		
SMDH 00012	78.9	76.98	0.08	16.32	66.72	138.81	15.78	56.62	9.54	1.34	6.13	0.80	3.77	0.66	1.08	0.27	0.72	0.25	25.50	1.46	6.49	292.18	415.88		
SMDH 00012	52.6	54.27	0.05	8.83	43.43	88.84	11.32	40.44	6.78	0.78	4.09	0.29	2.22	0.27	0.76	0.27	0.62	0.25	18.81	1.04	5.07	204.11	334.93		1.24
SMDH 00012	109.6	108.21	0.09	23.21	96.76	202.91	23.01	79.73	14.14	1.23	8.17	0.92	4.55	0.88	1.84	0.27	1.45	0.25	36.61	1.56	8.61	411.72	602.76	0.23	
SMDH 00012	121.7	120.20	0.11	25.99	108.63	224.61	25.90	87.82	14.95	1.45	8.85	1.15	5.33	0.88	1.94	0.27	1.55	0.25	43.75	2.19	11.09	476.97	550.41		
SMDH 00012	111.5	110.30	0.11	23.21	98.85	204.50	23.49	80.89	14.03	1.45	8.17	1.03	4.88	0.77	1.62	0.27	1.34	0.25	37.29	1.77	9.55	409.70	596.52		1.65
SMDH 00011b	122.9	118.19	0.12	28.41	101.76	210.96	24.94	86.67	14.72	1.23	8.51	1.03	5.55	0.99	2.38	0.27	2.38	0.25	41.93	2.08	11.79	464.27	624.61		
SMDH 00011b	114.9	107.52	0.12	29.98	96.41	199.26	23.85	77.42	13.34	1.23	7.94	0.92	5.33	0.99	2.59	0.27	2.68	0.25	35.81	2.40	6.13	261.24	541.22	0.54	
SMDH 00011b	109.9	109.43	0.09	23.09	92.80	204.01	23.73	81.12	13.57	1.12	7.26	0.80	3.77	0.77	1.84	0.27	2.99	0.25	41.71	3.33	4.65	372.01	467.02		
SMDH 00011b	91.4	76.62	0.12	29.98	71.72	142.95	16.50	54.31	9.66	1.34	6.24	1.03	4.77	0.99	2.38	0.27	2.89	0.25	26.29	7.08	7.90	300.42	475.17		
SMDH 00011b	46.2	47.59	0.09	7.74	31.67	67.03	10.60	35.59	4.02	1.45	2.38	0.29	1.11	0.27	0.27	0.27	0.26	0.25	11.22	2.81	5.93	290.02	323.83		1.65
SMDH 00011b	95.6	85.14	0.14	27.56	78.59	162.57	18.43	61.24	10.00	1.34	5.90	0.80	4.66	0.88	2.49	0.27	2.79	0.25	30.71	2.81	7.31	308.93	604.32		
SMDH 00011b	81.0	83.36	0.09	14.63	79.53	164.77	18.43	61.24	10.00	1.45	5.56	0.69	3.00	0.27	1.19	0.27	1.14	0.25	30.49	1.35	5.66	255.84	592.01		
SMDH 00011b	72.8	68.99	0.03	17.41	61.25	133.57	14.82	50.27	9.54	1.23	6.01	0.69	3.22	0.55	1.08	0.27	2.38	0.25	24.03	1.56	3.51	322.30	145.97		
SMDH 00011	186.3	168.63	0.11	48.96	149.62	319.05	33.01	124.80	21.85	1.68	12.71	1.72	9.10	1.64	3.57	0.53	3.30	0.25	61.77	5.41	11.09	500.74	539.31	0.62	
SMDH 00011	112.7	101.23	0.09	31.80	95.59	205.72	22.05	73.49	13.11	1.68	7.72	1.03	4.66	0.88	2.05	0.27	2.58	0.25	36.72	3.96	8.03	274.48	397.33		
SMDH 00011	124.9	129.46	0.12	19.83	118.88	254.34	26.14	97.07	16.33	1.79	9.53	1.15	5.10	0.66	1.19	0.27	0.72	0.25	47.49	2.50	13.44	592.46	714.75		1.50
SMDH 00011	135.8	138.15	0.14	22.97	125.63	266.04	27.23	104.00	17.59	1.90	10.21	1.26	5.66	0.88	1.40	0.27	1.03	0.25	48.62	2.29	14.62	642.17	907.70		
SMDH 00011	116.2	112.54	0.13	23.82	102.11	215.22	22.05	84.36	14.49	1.90	8.40	1.03	5.10	0.88	1.62	0.27	1.34	0.25	40.01	3.85	17.10	760.23	894.52	0.29	
SMDH 00010b	235.7	193.00	0.20	77.86	162.66	358.42	36.74	140.98	25.06	1.56	15.55	2.18	13.09	2.63	6.16	1.06	5.99	0.80	69.81	5.10	16.86	726.06	1086.08		1.35
SMDH 00010b	182.5	116.90	0.19	87.04	94.43	208.88	23.25	82.39	14.49	1.79	9.87	1.49	9.77	2.41	6.37	1.06	13.63	0.91	36.83	5.00	12.31	333.78	483.49		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00010b	169.2	138.53	0.21	55.85	118.30	259.22	26.62	100.53	18.28	1.45	10.89	1.49	9.88	1.86	4.32	0.74	4.23	0.60	50.43	3.96	14.51	639.33	1043.26		
SMDH 00010b	154.7	126.69	0.16	50.53	107.59	234.72	24.09	92.44	16.33	1.56	10.33	1.49	8.66	1.75	3.89	0.64	3.92	0.50	44.77	3.12	11.91	510.87	872.33	0.35	1.56
SMDH 00010b	102.3	97.52	0.10	24.18	87.79	191.09	20.96	71.88	12.30	1.56	7.49	0.80	3.88	0.77	1.62	0.27	3.61	0.25	34.57	3.02	7.78	315.41	416.06		
SMDH 00010b	85.4	89.86	0.09	13.18	80.11	164.89	19.15	67.02	10.35	1.56	5.90	0.69	3.00	0.27	0.97	0.27	0.93	0.25	29.92	1.67	10.38	491.83	691.35		
SMDH 00010b	137.2	138.23	0.11	26.84	120.86	250.44	29.52	101.69	17.25	1.68	9.65	1.15	5.88	0.99	1.94	0.27	1.76	0.25	46.69	2.81	13.68	614.48	861.59		1.56
SMDH 00010	258.2	244.71	0.08	64.56	205.97	481.38	52.65	179.34	34.72	1.56	20.31	2.30	10.43	1.86	4.11	0.64	7.95	0.50	107.10	5.52	12.38	354.04	403.23		1.49
SMDH 00010	78.2	73.29	0.10	19.46	60.55	129.55	15.54	53.62	10.46	1.01	6.13	0.69	3.44	0.66	1.73	0.27	1.55	0.25	30.71	1.35	5.27	401.59	480.20		
SMDH 00010	116.0	111.33	0.05	26.84	91.40	195.84	23.61	81.58	15.75	1.45	9.08	1.03	5.10	0.88	2.16	0.27	2.17	0.25	47.71	1.87	5.93	478.86	357.12		
SMDH 00010	104.1	96.63	0.08	26.23	78.36	166.72	20.12	70.49	12.99	1.34	7.60	0.92	5.10	0.99	1.94	0.27	2.48	0.25	39.67	1.67	7.08	312.44	506.03		
SMDH 00010	107.3	104.71	0.08	23.94	87.09	186.58	22.53	76.27	14.49	1.23	8.28	0.92	4.99	0.88	1.73	0.27	1.76	0.25	45.45	2.19	9.91	422.26	510.88	0.61	
SMDH 00010	121.6	116.90	0.09	28.05	95.71	204.01	24.70	85.51	15.87	1.34	9.08	1.15	5.55	0.99	2.05	0.27	2.07	0.25	48.85	2.19	8.02	377.55	512.27		1.52
SMDH 00010	131.0	111.24	0.09	41.47	91.40	195.84	23.25	79.73	15.52	1.56	9.19	1.26	6.99	1.42	3.13	0.64	3.51	0.25	44.65	3.44	10.38	443.33	482.11		
SMDH 00010	116.6	110.61	0.08	27.81	90.35	194.87	23.25	80.89	15.06	1.45	8.85	1.03	5.44	0.99	2.05	0.27	2.17	0.25	46.58	3.02	10.14	440.09	523.54		
SMDH 00009b	273.5	267.16	0.14	62.87	233.45	498.32	58.43	193.56	34.38	1.90	20.31	2.52	12.65	2.08	4.75	0.74	3.92	0.60	99.17	5.62	9.68	726.60	567.57		
SMDH 00009b	191.7	201.60	0.12	31.67	184.08	375.85	43.61	148.84	24.14	2.01	13.73	1.61	7.55	1.21	2.27	0.27	0.93	0.25	70.15	2.81	4.94	360.53	496.67		
SMDH 00009b	156.4	166.33	0.11	24.42	145.31	304.55	36.14	122.49	20.58	1.79	11.92	1.38	6.33	0.99	1.62	0.27	1.03	0.25	60.18	4.48	14.27	631.36	730.18		
SMDH 00009b	142.3	154.61	0.15	19.71	138.21	289.07	33.85	114.40	19.20	1.79	10.89	1.15	5.22	0.66	1.40	0.27	0.93	0.25	54.97	2.19	14.39	640.01	803.68		1.55
SMDH 00009b	173.3	182.16	0.17	28.89	159.40	333.31	39.63	134.04	23.57	1.90	13.28	1.49	6.99	1.10	2.05	0.27	1.65	0.25	64.60	2.60	13.68	595.30	912.90	0.38	
SMDH 00009b	176.8	176.05	0.17	37.11	153.11	323.56	38.19	128.27	22.42	1.79	13.39	1.61	7.99	1.31	2.81	0.27	2.68	0.25	63.35	5.62	15.45	698.63	917.58		
SMDH 00009b	162.6	155.75	0.16	38.44	135.41	283.47	33.25	113.24	19.55	1.68	11.69	1.49	7.77	1.42	3.03	0.27	2.99	0.25	57.12	4.17	11.79	505.33	1240.72		1.54
SMDH 00009b	158.8	153.33	0.10	35.54	139.14	284.81	32.41	112.67	19.78	2.35	11.80	1.38	6.88	1.21	2.81	0.27	2.27	0.25	58.14	2.92	5.40	381.20	496.67		1.71
SMDH 00009	136.1	118.47	0.09	41.10	100.60	216.93	24.82	85.51	14.83	1.34	9.31	1.26	6.88	1.31	3.46	0.53	3.10	0.50	42.05	2.92	5.88	480.21	399.07		
SMDH 00009	180.5	176.53	0.13	40.50	169.65	312.11	38.67	128.27	21.96	2.12	12.48	1.61	7.99	1.42	3.24	0.27	2.99	0.25	54.85	3.54	12.50	546.40	772.48		1.53
SMDH 00009	172.5	162.25	0.19	43.52	141.70	298.34	35.06	116.71	20.81	1.79	12.48	1.61	8.88	1.53	3.46	0.53	3.61	0.50	58.71	3.12	12.50	547.75	905.10		
SMDH 00009	177.4	170.54	0.18	41.83	150.78	312.47	36.74	123.64	21.85	1.79	12.94	1.61	8.54	1.42	3.46	0.27	3.30	0.25	61.09	2.92	14.98	661.35	856.73		
SMDH 00009	144.3	142.78	0.16	30.59	127.26	265.80	31.08	104.00	17.94	2.01	10.44	1.26	6.44	1.10	2.49	0.27	2.17	0.25	51.45	2.19	10.97	476.70	852.05	0.56	1.53
SMDH 00009	105.5	103.87	0.10	21.52	88.61	185.73	21.81	76.27	13.22	1.90	7.38	0.92	4.88	0.77	1.62	0.27	1.45	0.25	35.36	1.25	8.37	366.61	633.45		
SMDH 00009	161.4	152.34	0.15	39.05	128.43	276.28	31.92	110.93	18.74	1.90	11.24	1.49	7.99	1.42	3.03	0.27	2.79	0.25	52.47	2.19	12.74	545.05	811.31		
SMDH 00009	181.3	163.08	0.16	50.17	133.32	284.20	33.73	117.87	20.70	1.79	12.48	1.72	9.77	1.86	4.00	0.74	3.92	0.50	56.10	3.02	13.09	555.58	803.86		1.52
SMDH 00009	134.6	135.66	0.14	26.23	117.72	247.64	29.03	99.38	16.79	1.79	9.87	1.15	6.10	0.99	1.94	0.27	1.65	0.25	47.37	2.19	13.09	561.39	947.22		
SMDH 00009	137.5	141.48	0.13	24.30	119.93	258.12	30.12	104.00	17.71	1.79	10.33	1.26	6.10	0.99	1.73	0.27	1.24	0.25	49.30	2.19	12.38	524.92	1009.98		1.55
SMDH 00009	162.3	169.32	0.16	27.32	147.06	313.45	36.26	124.80	20.70	1.90	12.26	1.49	6.77	0.99	1.84	0.27	1.34	0.25	60.07	2.50	15.21	650.95	1078.63		
SMDH 00009	147.8	141.90	0.13	34.45	123.77	266.04	30.36	102.84	17.48	1.79	10.78	1.38	7.32	1.31	2.70	0.27	2.79	0.25	52.47	2.40	12.50	535.05	968.20	0.34	
SMDH 00009	167.5	145.91	0.22	51.14	123.89	267.02	31.20	104.00	18.74	1.68	12.03	1.61	9.10	1.86	4.43	0.74	4.96	0.70	54.29	2.60	14.74	629.20	721.86		1.50
SMDH 00008b	117.2	106.27	0.10	32.16	89.42	187.92	22.41	76.61	13.34	1.23	8.28	1.03	6.21	1.10	2.59	0.53	2.68	0.25	37.74	2.08	7.38	478.45	611.78		
SMDH 00008b	172.0	167.10	0.20	39.65	145.20	309.18	36.50	121.33	20.93	1.79	12.60	1.49	7.77	1.42	3.13	0.53	3.30	0.50	63.58	2.71	12.26	546.67	859.16		
SMDH 00008b	103.9	109.65	0.14	16.68	99.09	205.11	23.85	80.89	13.22	1.45	7.49	0.80	4.11	0.66	1.19	0.27	1.03	0.25	40.35	1.98	10.73	479.26	783.75	1.31	1.54
SMDH 00008b	142.6	146.76	0.14	26.11	130.99	280.42	31.92	107.47	18.28	1.68	10.78	1.26	6.10	0.99	1.94	0.27	1.55	0.25	55.76	3.33	9.79	441.17	781.32		
SMDH 00008b	138.2	133.92	0.15	31.80	117.83	248.74	29.15	97.07	17.25	1.68	10.44	1.26	6.44	1.10	2.49	0.27	2.58	0.25	50.21	1.87	10.50	438.20	781.32		
SMDH 00008b	134.3	139.20	0.13	23.94	123.77	262.63	30.48	101.69	17.48	1.68	10.44	1.26	5.77	0.88	1.62	0.27	1.34	0.25	53.38	3.64	11.67	501.01	736.42		1.60
SMDH 00008b	143.8	141.46	0.15	31.07	124.00	264.94	30.36	102.84	17.94	1.68	10.89	1.26	6.99	1.10	2.38	0.27	2.27	0.25	53.95	2.40	11.20	505.20	636.74	0.42	
SMDH 00008b	159.2	160.82	0.13	31.92	142.52	304.31	35.30	116.71	20.12	1.79	12.37	1.49	7.32	1.10	2.27	0.27	1.86	0.25	60.63	2.92	11.32	504.12	503.08		
SMDH 00008b	156.5	144.07	0.15	41.23	122.49	256.41	30.48	104.00	18.40	1.68	11.35	1.49	8.10	1.42	3.24	0.53	3.30	0.50	52.36	5.21	10.14	473.19	586.47		1.54
SMDH 00008b	158.3	135.49	0.17	48.96	111.20	234.36	27.83	97.07	17.13	1.68	11.01	1.49	9.10	1.75	4.21	0.74	4.96	0.80	49.75	3.54	10.61	479.40	559.25		
SMDH 00008b	149.6	127.95	0.14	46.67	105.14	224.00	26.74	91.29	16.44	1.68	10.44	1.38	8.54	1.64	3.89	0.64	3.92	0.60	46.69	2.50	11.56	531.67	605.54	0.20	
SMDH 00008	132.3	127.27	0.11	31.07	107.12	228.99	27.35	92.44	16.21	1.34	9.65	1.26	6.21	1.10	2.49	0.27	2.38	0.25	51.34	2.08	10.50	480.88	669.51		1.43
SMDH 00008	115.3	94.98	0.18	39.53	85.46	175.61	20.48	67.37	11.96	1.23	7.60	0.92	6.21	1.21	3.24	0.53	3.72	0.60	41.71	1.98	7.57	248.41	531.51		
SMDH 00008	142.4	122.76	0.12	43.88	103.28	218.02	25.90	87.82	15.87	1.68	9.99	1.38	7.66	1.53	3.67	0.64	3.61	0.60	46.01	3.12	9.79	476.16	722.55		
SMDH 00008	137.7	122.30	0.13	39.53	103.39	220.34	25.78	87.82	15.87	1.68	9.99	1.26	7.44	1.31	3.24	0.53	3.30	0.60	44.65	2.81	9.67	450.49	628.77	0.34	1.50
SMDH 00008	124.2	113.01	0.12	33.61	95.83	203.03	24.09	80.89	14.83	1.68	8.97	1.26	6.77	1.21	2.81	0.27	2.89	0.50	42.50	2.50	10.14	455.08	670.89		
SMDH 00008	112.4	102.92	0.12	29.74	89.31	188.17	22.05	73.96	13.45	1.79	8.28	1.03	5.88	1.10	2.38	0.27	2.38	0.25	38.19	1.87	9.20	421.45	668.12		
SMDH 00008	179.1	149.31	0.17	59.12	122.96	263.60	30.96	106.31	18.74	1.68	11.80	1.61	10.43	2.08	5.19	0.96	5.27	0.70	53.15	2.71	13.68	614.07	1086.43		1.35
SMDH 00007b	198.6	163.11	0.13	69.27	141.59	316.25	35.42	118.10	21.39	1.68	13.62	1.61	7.99	1.42	3.35	0.53	3.41	0.50	58.59	3.75	9.03	873.02	359.54		1.67
SMDH 00007b	131.2	88.42	0.16	58.75	72.19	161.96	17.83	63.79	11.27	1.90	7.38	1.03	5.77	1.21	2.81	0.53	2.68	0.50	29.81	3.23	4.98	489.53	404.10		
SMDH 00007b	27.5	21.20	0.20	9.31	19.79	35.71	4.34	15.02	2.99	1.34	1.93	0.29	1.55	0.27	0.76	0.27	1.03	0.25	4.65	1.04	12.62	640.14	1103.07		1.65
SMDH 00007b	51.9	30.08	0.21	25.75	19.33	43.02	5.42	19.64	5.06	1.45	3.97	0.69	4.33	0.88	1.94	0.27	2.07	0.25	2.27	1.15	11.56	520.73	1115.21		
SMDH 00007b	46.9	32.34	0.22	19.71	23.52	51.92	6.26	21.96	5.06	1.12	3.75	0.57	3.55	0.66	1.62	0.27	1.45	0.25	3.40	0.62	5.54	265.57	1186.11	0.64	
SMDH 00007b	45.6	30.45	0.27	19.10	18.75	40.22	5.30	20.80	4.94	1.34	3.86	0.57	3.77	0.66	1.51	0.27	1.45	0.25	2.04	0.73	3.42	157.23	1282.84		1.61
SMDH 00007b	66.9	34.08	0.23	37.11	21.07	46.43	5.66	21.96	5.29	1.34	4.20	0.80	5.66	1.31	3.24	0.53	2.99	0.25	2.15	0.52	3.54	162.91	1220.95		
SMDH 00007	124.9	117.56	0.10	30.83	95.48	209.74	24.58	85.51	14.95	1.12	9.31	1.15	6.33	1.10	2.38	0.27	2.27	0.25	40.91	2.60	10.97	505.74	667.95		
SMDH 00007	97.7	76.44	0.13	35.91	66.72	142.10	16.50	55.58	10.12	1.90	6.24	0.80	3.55	0.77	1.51	0.27	1.65	0.25	24.93	1.98	5.90	499.66	344.11		
SMDH 00007	116.9	97.14	0.11	38.44	80.57	174.88	20.48	71.41	12.07	1.79	7.26	0.80	4.44	0.77	1.94	0.27	2.07	0.25	30.94	1.87	4.74	448.87	335.27		
SMDH 00007	66.3	69.56	0.10	10.16	61.01	128.45	14.94	52.00	8.62	1.56	4.77	0.29	2.33	0.27	0.76	0.27	0.62	0.25	23.12	1.25	12.03	538.29	977.56		
SMDH 00007	107.4	111.88	0.12	18.62	102.46	210.47	24.70	82.04	13.68	1.56	7.94	0.92	4.22	0.66	1.40	0.27	1.24	0.25	36.49	1.87	8.02	347.83	817.90		1.42
SMDH 00007	129.9	120.73	0.13	33.61	104.56	216.93	26.26	86.67	15.06	1.79	8.97	1.15	6.66	1.21	2.81	0.27	2.99	0.25	39.89	3.54	9.32	390.65	905.10	0.53	
SMDH 00007	190.8	146.47	0.20	71.45	116.32	241.42	29.27	97.07	19.78	2.12	15.09	4.59	15.54	2.19	4.65	0.74	4.54	0.60	69.81	212.33	16.16	503.58	916.02		
SMDH 00007	137.1	122.07	0.14	39.05	101.18	217.29	25.66	87.82	15.41	1.68	9.31	1.26	7.32	1.42	3.35	0.53	3.41	0.25	42.50	3.64	10.61	471.97	745.61		1.51
SMDH 00007	150.4	135.24	0.14	42.55	112.59	242.15	29.03	97.07	17.36	1.68	10.67	1.38	7.77	1.42	3.57	0.53	3.51	0.25	47.49	2.50	11.56	504.12	651.65		
SMDH 00007	109.0	98.50	0.11	30.22	84.53	180.61	21.32	70.49	12.65	1.56	7.60	1.03	5.66	0.99	2.38	0.27	2.79	0.25	34.00	2.08	8.37	347.97	452.64	0.69	
SMDH 00007	137.7	129.67	0.14	33.97	112.01	235.21	27.71	93.60	16.33	1.79	9.76	1.26	7.10	1.21	2.81	0.27	2.68	0.25	45.67	5.94	10.97	463.73	631.19		
SMDH 00006b	153.1	144.57	0.10	37.60	120.39	246.42	30.60	105.16	17.48	1.56	10.33	1.38	7.44	1.31	2.70	0.27	2.79	0.25	51.00	2.40	11.56	527.76	489.91		
SMDH 00006b	219.6	165.15	0.13	86.92	140.77	301.38	36.02	117.64	20.58	3.57	12.94	1.84	9.65	1.97	4.11	0.64	4.03	0.60	45.33	3.23	4.43	549.51	367.34		
SMDH 00006b	157.8	129.42	0.10	52.95	103.98	218.63	26.50	92.44	15.52	1.90	9.99	1.38	9.10	1.86	4.11	0.74	4.13	0.50	42.95	1.98	7.78	337.29	642.29		
SMDH 00006b	141.1	121.11	0.09	43.52	99.79	207.67	25.30	86.67	14.72	1.79	9.08	1.26	7.88	1.42	3.24	0.53	3.41	0.25	40.69	2.19	8.84	397.14	559.25		
SMDH 00006b	132.1	106.67	0.11	46.79	90.94	204.62	22.65	77.88	12.53	1.34	8.28	0.92	5.22	0.99	2.05	0.27	1.65	0.25	34.57	1.77	3.62	486.83	303.90		
SMDH 00006b	228.1	225.24	0.13	48.72	197.47	409.48	47.95	165.24	25.64	2.12	15.43	1.95	10.10	1.75	3.35	0.53	2.79	0.25	75.25	3.33	11.56	516.82	869.56	0.46	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00006b	180.2	173.56	0.14	41.35	150.32	318.32	36.74	127.11	20.81	2.01	12.26	1.49	8.21	1.53	2.92	0.27	2.89	0.25	59.05	3.44	11.44	502.90	936.30		
SMDH 00006b	207.0	197.96	0.13	48.36	171.51	361.34	41.80	144.44	23.45	2.46	13.62	1.72	9.99	1.75	3.35	0.53	3.10	0.25	65.05	3.23	12.15	538.70	826.05		1.46
SMDH 00006b	229.2	183.96	0.14	79.91	150.43	332.09	37.59	135.78	21.27	2.90	13.39	1.49	9.10	1.75	3.57	0.53	3.30	0.50	57.01	3.12	5.21	508.58	360.76		1.63
SMDH 00006b	191.6	182.51	0.12	45.58	158.70	332.83	38.91	132.89	20.93	2.46	12.26	1.61	9.10	1.64	3.24	0.27	2.89	0.25	58.93	2.60	12.03	532.62	793.28	0.29	
SMDH 00006b	207.3	197.61	0.13	49.32	166.97	352.69	41.68	144.44	23.22	2.01	13.16	1.72	9.77	1.75	3.57	0.64	3.41	0.25	65.39	3.02	11.91	525.60	753.93		1.43
SMDH 00006b	232.3	189.73	0.27	80.39	159.98	356.96	40.48	138.32	22.99	2.68	13.50	1.61	9.32	1.75	3.89	0.64	3.61	0.50	58.71	3.02	4.46	636.36	417.62		
SMDH 00006	153.8	142.25	0.13	40.38	123.07	287.25	30.48	102.84	18.05	1.68	10.55	1.38	7.55	1.42	3.24	0.53	3.20	0.50	51.11	3.02	12.50	551.13	522.33		
SMDH 00006	111.5	108.10	0.14	25.99	94.78	197.31	23.61	78.58	13.45	1.01	7.60	0.92	4.99	0.88	2.16	0.27	1.96	0.25	45.22	1.67	7.19	334.19	604.32	1.51	1.56
SMDH 00006	211.9	194.26	0.13	55.61	177.10	318.20	41.68	140.98	24.03	3.69	14.53	1.84	9.77	1.75	3.89	0.64	3.51	0.50	58.14	1.98	9.67	434.55	717.87		
SMDH 00006	142.5	136.59	0.11	33.73	115.04	247.76	29.52	99.38	17.48	1.68	9.87	1.26	6.44	1.10	2.59	0.27	2.38	0.25	52.70	2.71	8.61	383.49	671.07		
SMDH 00006	136.6	138.64	0.11	26.72	120.74	260.92	30.48	101.69	17.48	1.68	9.76	1.15	5.33	0.88	2.05	0.27	1.86	0.25	52.93	1.98	8.84	395.11	711.46		1.41
SMDH 00006	167.4	138.50	0.17	56.10	112.48	245.93	28.79	98.22	17.48	1.56	10.89	1.61	9.88	1.86	4.43	0.74	4.23	0.60	51.00	1.87	12.03	546.26	849.10	0.50	
SMDH 00006	160.5	141.16	0.14	47.51	119.58	257.75	30.00	101.69	17.82	1.79	10.67	1.38	8.10	1.53	3.78	0.64	3.82	0.60	53.72	2.08	10.85	474.13	635.87		
SMDH 00006	155.0	137.92	0.13	44.85	116.32	250.69	29.39	99.38	17.36	1.68	10.44	1.38	7.77	1.53	3.57	0.64	3.72	0.50	53.38	2.08	11.67	498.58	622.01		1.38
SMDH 00006	159.5	149.91	0.14	39.05	123.07	262.02	31.32	109.78	17.71	1.90	10.55	1.38	7.44	1.31	3.24	0.53	3.10	0.25	53.95	1.67	8.37	376.87	686.84		
SMDH 00006	143.2	134.44	0.11	35.42	103.74	233.99	28.19	98.22	16.21	1.56	9.76	1.26	6.77	1.21	2.92	0.27	2.89	0.25	51.00	1.77	9.43	415.37	610.91	0.28	
SMDH 00005b	136.9	131.98	0.10	33.61	110.61	335.63	29.76	94.52	17.59	1.12	11.58	1.26	6.44	1.42	2.81	0.53	2.68	0.50	55.87	2.92	7.96	786.57	512.96		
SMDH 00005b	122.4	123.98	0.32	24.30	105.72	251.42	27.47	90.48	15.87	1.56	10.10	1.15	4.88	0.88	1.94	0.27	2.27	0.25	44.20	2.40	8.36	507.50	527.87		
SMDH 00005b	125.8	130.32	0.13	21.52	107.24	226.92	27.23	97.07	15.64	1.23	8.97	1.03	4.99	0.77	1.62	0.27	1.34	0.25	50.89	1.67	10.61	503.58	691.52		
SMDH 00005b	169.9	169.98	0.13	33.49	141.35	301.99	35.54	125.96	20.24	2.01	12.03	1.49	6.99	1.21	2.49	0.27	1.96	0.25	58.03	1.87	10.38	475.62	603.80	0.62	1.53
SMDH 00005b	159.5	158.12	0.16	33.00	134.37	288.22	33.37	116.71	19.09	1.79	11.24	1.38	6.66	1.10	2.59	0.27	2.38	0.25	58.48	2.08	11.56	517.90	697.42		
SMDH 00005b	145.5	145.57	0.14	29.14	125.52	269.70	30.96	107.47	17.02	1.79	10.21	1.26	5.88	0.99	2.27	0.27	2.27	0.25	52.81	1.67	11.56	520.06	655.29		
SMDH 00005	125.4	125.55	0.13	25.27	103.74	235.70	26.74	92.44	15.52	1.34	9.08	1.15	5.22	0.88	2.05	0.27	1.96	0.25	48.28	1.56	10.73	468.59	613.16		1.53
SMDH 00005	89.0	89.88	0.36	17.65	83.95	182.68	20.00	65.87	11.38	1.45	7.38	0.69	3.33	0.66	1.40	0.27	0.26	0.25	32.19	2.71	14.09	770.90	685.63		
SMDH 00005	154.5	157.94	0.14	28.77	134.02	287.49	33.97	116.71	20.01	1.79	11.24	1.38	5.88	1.10	2.70	0.27	2.79	0.25	54.17	1.67	11.91	566.26	799.70		
SMDH 00005	136.8	137.32	0.12	27.20	118.41	253.85	29.27	101.69	16.79	1.56	9.65	1.03	5.33	0.99	2.27	0.27	2.38	0.25	49.19	1.56	12.38	537.62	716.31		1.49
SMDH 00005	150.1	147.06	0.13	32.40	125.63	268.97	30.96	108.62	18.63	1.56	10.67	1.26	6.21	1.10	2.70	0.27	2.79	0.25	51.79	1.67	12.85	547.61	849.10		
SMDH 00005	146.7	137.82	0.13	36.51	113.06	243.25	29.03	100.53	17.59	1.45	10.78	1.26	6.99	1.31	2.92	0.53	3.30	0.25	48.39	1.77	12.50	527.49	801.26	0.59	
SMDH 00005	135.9	129.68	0.12	31.92	107.82	231.06	27.23	94.76	17.13	1.56	10.33	1.26	6.44	1.21	2.49	0.27	2.58	0.25	46.58	2.29	11.56	491.56	666.21		1.51
SMDH 00005	156.3	151.08	0.14	35.06	123.54	267.50	31.44	110.93	20.47	1.56	11.80	1.38	7.32	1.21	2.59	0.27	2.58	0.25	54.17	2.29	13.21	563.69	661.88		
SMDH 00005	150.5	144.21	0.14	34.94	119.35	257.88	30.24	105.16	19.20	1.56	11.35	1.38	7.44	1.31	2.59	0.27	2.58	0.25	52.70	1.67	13.09	561.26	591.15		
SMDH 00005	162.8	153.38	0.15	39.41	126.33	274.57	31.92	112.09	20.47	1.90	12.37	1.49	7.88	1.42	2.92	0.53	2.89	0.25	57.23	1.77	14.03	605.02	653.21	0.21	1.39
SMDH 00004b	98.4	92.58	0.17	24.30	79.87	185.00	19.76	67.02	12.99	1.23	7.94	0.92	4.88	0.88	2.16	0.27	2.17	0.25	37.63	1.77	14.15	585.03	780.11		
SMDH 00004b	113.8	108.78	0.16	27.08	98.85	221.44	23.73	78.58	15.18	1.68	8.97	1.03	5.44	0.88	2.27	0.27	2.38	0.25	41.25	1.67	11.44	471.16	743.70		1.40
SMDH 00004b	114.3	112.29	0.16	24.78	101.18	221.44	24.33	82.04	15.75	1.56	9.53	1.03	4.88	0.88	2.05	0.27	2.27	0.25	45.33	1.77	12.38	499.39	804.90	0.52	
SMDH 00004b	117.0	111.09	0.17	28.17	100.83	201.94	23.73	80.89	16.10	1.45	9.76	1.03	5.44	0.99	2.38	0.27	2.58	0.25	44.31	1.67	12.62	527.08	843.21		
SMDH 00004b	180.8	166.93	0.16	45.94	134.37	284.20	34.82	120.18	23.80	2.79	16.80	1.95	9.99	1.64	3.89	0.53	3.72	0.50	52.36	1.98	13.09	545.32	954.16		1.73
SMDH 00004b	110.1	100.91	0.14	28.41	84.77	177.20	21.08	72.80	14.49	1.90	9.99	1.26	5.77	0.99	2.16	0.27	1.96	0.25	32.64	1.35	11.32	472.64	900.59		
SMDH 00004b	121.5	116.67	0.16	28.65	101.42	215.34	25.18	84.36	16.44	1.34	10.67	1.15	5.99	0.99	2.27	0.27	2.38	0.25	44.31	1.56	13.80	563.55	957.97	0.37	
SMDH 00004b	142.7	138.56	0.15	32.64	119.35	253.49	30.00	100.53	19.78	1.45	10.89	1.26	6.77	1.21	2.59	0.27	2.58	0.25	58.37	1.77	13.56	597.32	944.10		1.73
SMDH 00004	86.0	83.87	0.13	18.98	69.40	171.84	17.83	61.24	10.81	1.01	6.47	0.80	3.99	0.66	1.51	0.27	1.65	0.25	37.06	1.56	19.10	832.90	916.54		
SMDH 00004	53.1	50.79	0.08	12.21	46.22	92.50	11.08	36.98	6.44	1.23	3.75	0.29	2.44	0.27	0.97	0.27	1.03	0.25	16.89	0.94	8.73	394.03	636.05		
SMDH 00004	69.1	72.61	0.07	10.28	69.16	132.96	15.90	54.31	8.74	2.12	4.77	0.29	2.11	0.27	0.76	0.27	0.62	0.25	24.93	0.62	7.31	335.00	669.16	0.66	1.49
SMDH 00004	131.2	140.09	0.11	20.07	131.92	269.82	30.84	104.00	16.67	1.90	8.97	0.92	4.33	0.66	1.62	0.27	1.65	0.25	52.13	1.15	13.44	596.11	832.29		
SMDH 00004	134.0	142.76	0.11	20.67	126.57	275.67	31.20	106.31	16.90	1.79	9.31	0.92	4.33	0.77	1.73	0.27	1.96	0.25	53.27	1.15	12.03	523.16	856.04		
SMDH 00004	97.4	103.50	0.09	14.63	93.61	196.09	22.29	77.42	12.30	1.56	6.92	0.69	3.11	0.55	1.19	0.27	1.34	0.25	37.17	1.04	11.32	487.10	740.58		1.63
SMDH 00004	68.4	72.72	0.07	9.91	67.30	143.07	15.90	54.31	8.62	1.68	4.54	0.29	2.22	0.27	0.76	0.27	0.72	0.25	26.75	0.62	9.32	412.26	709.55	0.69	
SMDH 00004	99.9	110.74	0.09	11.36	98.50	203.40	23.85	83.20	13.45	1.68	7.49	0.69	3.00	0.27	0.86	0.27	0.72	0.25	39.33	1.35	9.55	411.32	641.25		
SMDH 00003b	115.2	112.28	0.15	25.75	97.92	217.78	24.09	82.04	14.60	1.23	9.19	1.03	5.10	0.88	2.27	0.27	2.58	0.25	47.15	2.19	22.76	980.14	736.59		1.44
SMDH 00003b	194.0	180.53	0.16	49.69	158.24	296.39	38.79	130.58	24.37	2.57	14.87	1.84	9.32	1.75	4.11	0.64	4.13	0.60	67.66	2.08	14.51	620.83	767.28		
SMDH 00003b	102.3	103.37	0.12	19.34	99.55	186.46	22.53	76.27	12.99	2.12	7.38	0.80	3.77	0.66	1.51	0.27	1.34	0.25	34.57	0.94	7.67	346.21	743.88	1.29	
SMDH 00003b	116.4	111.11	0.13	27.56	98.97	211.57	23.97	80.89	14.95	1.68	8.62	1.03	5.22	0.99	2.38	0.27	2.58	0.25	43.63	1.46	8.96	390.11	725.85		1.62
SMDH 00003b	140.8	120.51	0.16	44.01	100.02	221.56	25.30	85.51	16.79	1.56	10.89	1.49	8.21	1.53	3.78	0.64	3.72	0.50	47.15	2.08	11.67	498.45	855.52		
SMDH 00003b	148.0	115.31	0.16	54.77	94.08	200.96	23.49	80.89	16.21	1.45	11.12	1.61	9.32	1.86	4.54	0.74	4.54	0.70	44.09	2.40	10.26	441.44	783.40		
SMDH 00003b	134.9	116.80	0.15	41.10	98.27	213.64	24.46	83.20	16.21	1.45	10.33	1.38	7.77	1.42	3.46	0.53	3.51	0.50	44.54	1.87	10.26	443.74	783.40	0.55	1.57
SMDH 00003b	102.7	104.98	0.07	18.38	95.36	203.40	22.65	77.42	12.65	2.01	7.94	0.80	4.11	0.66	1.40	0.27	1.03	0.25	40.80	0.83	5.42	227.74	512.62		
SMDH 00003b	80.2	83.94	0.09	12.69	78.13	165.86	18.19	62.40	10.00	1.79	6.01	0.57	2.77	0.27	0.97	0.27	0.83	0.25	31.39	0.94	9.32	396.46	729.31		
SMDH 00003	96.4	95.99	0.05	20.19	79.53	192.31	20.48	70.49	11.96	0.67	7.15	0.80	4.22	0.66	1.62	0.27	1.65	0.25	42.27	2.71	15.09	648.79	401.67		1.60
SMDH 00003	161.1	164.69	0.10	29.98	149.85	294.07	35.66	121.33	20.24	2.12	12.26	1.26	6.44	1.10	2.38	0.27	1.96	0.25	51.23	1.98	10.73	462.11	761.38	1.28	
SMDH 00003	127.0	114.55	0.13	35.18	98.27	207.79	24.21	83.20	14.37	1.45	8.74	1.03	6.10	1.31	3.35	0.64	4.03	0.60	41.82	1.67	7.19	292.04	663.78		
SMDH 00003	125.4	117.25	0.12	31.80	98.04	212.91	24.94	85.51	15.06	1.34	8.85	1.03	5.77	1.10	2.81	0.53	3.20	0.50	44.65	1.77	7.43	312.85	719.26		1.49
SMDH 00003	124.6	110.21	0.12	36.03	91.17	202.91	23.01	79.73	13.80	1.34	8.85	1.03	6.44	1.31	3.24	0.64	3.61	0.50	42.27	1.87	6.60	283.67	571.39		
SMDH 00003	125.6	108.09	0.13	38.81	89.19	198.04	22.53	77.42	13.57	1.23	8.62	1.15	6.99	1.42	3.35	0.64	3.61	0.50	40.01	1.77	8.02	321.22	633.62	0.52	
SMDH 00003	125.8	101.66	0.13	43.64	84.77	185.97	20.72	72.80	12.30	1.23	8.40	1.15	6.99	1.42	3.89	0.64	3.82	0.50	36.38	1.87	7.55	320.82	615.42		1.53
SMDH 00003	122.3	86.82	0.11	51.38	70.44	153.92	17.11	61.24	9.89	1.23	7.38	1.03	7.44	1.64	4.54	0.85	5.16	0.70	30.83	1.77	7.08	290.83	511.40		
SMDH 00003	140.6	111.15	0.13	50.53	91.29	202.79	22.17	79.73	13.45	1.12	9.31	1.26	7.99	1.64	4.65	0.85	4.75	0.70	40.01	2.40	7.55	316.76	632.75		
SMDH 00002b	142.3	138.29	0.09	31.31	120.39	269.21	28.79	101.69	16.33	1.45	10.89	1.26	6.55	1.10	2.70	0.27	2.58	0.25	48.39	2.29	15.21	642.98	629.29	0.83	1.65
SMDH 00002b	115.7	109.80	0.11	27.32	97.46	220.10	22.89	80.89	12.19	1.45	8.17	1.03	4.99	0.99	2.38	0.27	2.38	0.25	42.16	1.67	10.02	430.36	793.98		
SMDH 00002b	38.4	34.72	0.07	9.43	34.23	56.43	7.35	25.42	3.91	1.56	2.61	0.29	1.66	0.27	0.65	0.27	0.62	0.25	9.18	0.62	8.84	380.25	696.90		
SMDH 00002b	151.5	170.16	0.07	15.84	157.89	330.75	36.86	128.27	18.17	2.35	11.01	1.03	3.99	0.55	1.19	0.27	0.83	0.25	56.44	1.15	6.96	293.53	650.09		1.67
SMDH 00002b	2.3	2.02	0.00	0.30	1.63	3.17	0.30	1.16	0.29	0.28	0.28	0.29	0.28	0.27	0.27	0.27	0.26	0.25	0.57	0.26	0.29	12.43	683.03	0.51	
SMDH 00002b	83.9	95.77	0.10	8.34	89.54	188.17	21.44	71.64	10.81	1.23	5.90	0.57	2.11	0.27	0.65	0.27	0.62	0.25	38.99	0.94	11.91	277.99	830.90		
SMDH 00002b	78.1	84.33	0.09	11.36	79.41	167.33	18.91	62.40	9.66	1.34	5.56	0.57	2.44	0.27	0.97	0.27	0.93	0.25	32.75	0.83	8.25	178.04	641.25		1.65
SMDH 00002b	36.3	36.28	0.15	6.65	32.83	66.30	8.07	26.92	4.48	1.45	2.50	0.29	1.00	0.27	0.54	0.27	0.26	0.25	12.13	1.77	5.84	285.83	344.98		1.77
SMDH 00002	125.0	121.59	0.09	28.89	103.51	233.87	26.62	87.82	15.98	1.12	9.65	1.26	5.88	0.99	2.38	0.27	2.48	0.25	48.39	2.29	14.62	344.18	523.54		1.65
SMDH 00002	63.7	60.15	0.08	15.11	52.98	115.04	12.89	43.91	7.47	1.34	4.77	0.57	2.77	0.27	1.19	0.27	1.24	0.25	22.44	1.35	9.55	251.25	589.41		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00002	13.9	11.34	0.05	3.87	11.64	18.16	2.41	8.09	1.26	1.12	0.91	0.29	0.55	0.27	0.27	0.27	0.26	0.25	1.93	0.26	6.37	160.34	493.89		
SMDH 00002	53.9	53.84	0.07	10.88	49.95	105.54	12.05	39.29	6.90	1.23	3.97	0.29	2.22	0.27	0.97	0.27	1.03	0.25	19.95	0.83	8.02	177.63	507.94	0.83	1.65
SMDH 00002	122.9	113.55	0.13	32.88	102.11	213.27	24.70	82.04	13.91	1.12	8.06	1.15	5.66	1.10	3.24	0.53	3.72	0.60	41.48	1.87	11.67	256.52	703.83		
SMDH 00002	121.4	110.14	0.13	33.73	96.53	217.42	23.49	79.73	14.49	1.01	8.85	1.15	5.77	1.21	3.13	0.64	3.61	0.60	42.16	2.08	12.38	525.33	788.43		
SMDH 00002	19.8	16.10	0.09	5.80	15.95	33.51	3.37	11.56	1.95	1.23	1.13	0.29	0.89	0.27	0.27	0.27	0.62	0.25	4.99	0.62	8.84	405.24	748.38		1.59
SMDH 00002	90.3	78.27	0.12	27.68	72.07	158.92	16.75	56.62	10.00	1.12	6.01	0.69	4.22	0.99	2.59	0.27	2.89	0.25	28.67	1.25	12.85	549.64	751.33	0.38	
SMDH 00002	59.4	53.80	0.10	15.96	51.70	112.00	11.57	39.29	6.44	1.23	3.97	0.29	2.66	0.27	1.30	0.27	1.34	0.25	20.40	1.15	18.16	787.25	1215.75		
SMDH 00002	153.0	153.84	0.10	30.95	142.40	315.89	33.01	113.24	18.40	1.23	10.78	1.38	6.21	1.10	2.27	0.27	1.86	0.25	60.41	1.98	8.02	340.81	796.06		1.53
SMDH 00002	204.6	182.90	0.17	58.63	157.19	355.74	38.19	132.89	22.53	1.23	13.62	1.84	9.99	1.97	5.08	0.85	5.68	0.91	71.17	2.71	8.61	354.45	833.15		
SMDH 00002	152.0	131.83	0.16	46.42	114.69	257.39	27.71	94.76	17.36	1.45	11.24	1.49	7.88	1.64	4.21	0.74	4.65	0.70	48.73	2.71	11.44	502.23	805.42	0.26	
SMDH 00002	155.1	140.71	0.16	42.80	123.54	277.25	29.88	101.69	19.09	1.45	11.69	1.49	7.66	1.42	4.00	0.74	4.65	0.70	52.59	2.71	12.26	514.52	789.99		1.46
SMDH 00002	136.3	123.48	0.13	36.87	105.96	233.50	25.54	90.13	15.64	1.45	9.53	1.26	6.55	1.31	3.57	0.64	4.23	0.60	44.20	2.29	12.03	528.16	755.84		
SMDH 00001b	130.1	120.69	0.13	33.00	103.16	227.04	25.06	87.82	15.75	1.45	9.76	1.26	6.55	1.10	2.59	0.27	2.58	0.25	42.84	2.29	17.57	754.15	991.78		
SMDH 00001b	62.3	48.55	0.10	21.76	50.42	58.62	9.76	34.67	6.32	1.79	4.31	0.57	3.55	0.66	1.51	0.27	1.34	0.25	9.18	1.25	2.95	134.13	1085.04	0.97	1.63
SMDH 00001b	45.4	35.81	0.11	15.35	30.62	58.74	7.11	25.42	4.60	1.34	3.29	0.29	3.00	0.55	1.19	0.27	1.14	0.25	7.48	0.52	4.36	196.54	1286.83		
SMDH 00001b	76.1	50.59	0.20	31.55	29.92	79.58	8.67	34.67	8.16	2.68	6.36	1.03	6.21	1.10	2.59	0.27	2.38	0.25	4.19	0.73	4.72	224.64	2762.97		
SMDH 00001b	80.4	54.20	0.19	33.85	34.58	97.01	9.64	36.98	8.16	2.01	6.47	1.03	6.55	1.31	2.81	0.27	2.58	0.25	7.59	0.83	5.42	247.06	2759.85		1.52
SMDH 00001b	131.1	99.74	0.20	49.69	85.70	193.89	20.00	70.49	12.19	1.68	7.94	1.26	7.99	1.75	4.32	0.74	4.96	0.70	29.69	1.98	10.26	448.20	1392.40	0.72	
SMDH 00001b	87.7	76.87	0.13	25.63	68.93	147.58	16.38	55.47	8.97	1.56	5.45	0.69	4.33	0.88	2.27	0.27	2.68	0.25	25.16	0.94	7.08	317.30	670.55		
SMDH 00001b	100.2	85.33	0.16	31.19	75.10	157.58	17.95	61.24	10.92	1.68	6.58	0.92	5.22	1.10	2.92	0.53	3.41	0.50	27.09	1.46	10.97	457.38	1077.07		1.62
SMDH 00001b	115.6	91.19	0.19	41.23	76.03	163.06	18.67	64.71	11.38	1.90	7.49	1.03	6.77	1.42	4.00	0.74	4.23	0.60	26.52	1.56	9.91	422.80	1408.70		
SMDH 00001b	80.3	64.60	0.14	27.20	58.80	120.41	13.25	46.22	6.90	1.79	4.54	0.69	4.44	0.88	2.70	0.27	2.99	0.25	18.70	0.83	9.32	392.54	750.12	0.71	
SMDH 00001	101.2	93.86	0.37	25.87	84.65	170.50	19.64	68.87	13.34	1.12	8.06	0.92	4.44	0.99	2.27	0.27	1.55	0.25	37.40	3.96	18.15	745.37	572.25		
SMDH 00001	142.2	133.98	0.12	35.06	113.52	259.34	28.43	97.07	17.13	1.56	11.01	1.38	7.10	1.21	3.03	0.27	3.10	0.25	46.81	2.60	16.16	691.20	796.58		
SMDH 00001	107.0	104.69	0.11	23.45	88.61	207.30	22.29	76.27	14.14	1.12	8.40	1.03	5.10	0.77	2.05	0.27	1.96	0.25	38.31	2.29	14.03	611.51	618.71		
SMDH 00001	102.8	96.66	0.18	25.15	89.31	178.42	20.48	70.49	12.19	1.45	7.49	0.92	4.77	0.88	2.16	0.27	2.07	0.25	31.85	2.08	8.37	362.96	674.71	0.85	1.45
SMDH 00001	75.8	69.31	0.22	20.07	65.32	129.79	14.94	49.69	8.85	1.34	5.67	0.80	3.88	0.66	1.84	0.27	2.07	0.25	23.23	1.77	8.14	337.56	822.23		
SMDH 00001	70.3	62.67	0.21	19.58	58.22	116.39	13.25	45.07	7.93	1.34	4.99	0.69	3.66	0.66	1.84	0.27	1.96	0.25	19.15	1.77	8.73	372.96	788.60		
SMDH 00001	75.3	72.60	0.15	16.93	66.37	138.57	15.54	53.16	9.31	1.34	5.56	0.69	3.22	0.55	1.40	0.27	1.55	0.25	24.03	1.67	6.60	295.96	657.54		1.48
SMDH 00001	93.4	91.10	0.16	20.31	79.99	172.20	19.40	67.02	11.04	1.34	6.81	0.80	3.88	0.77	1.73	0.27	1.96	0.25	29.92	1.87	9.20	407.13	716.49	0.81	
SMDH 00001	122.0	123.26	0.12	23.82	109.45	224.12	26.50	91.29	15.06	1.45	9.08	0.92	4.55	0.88	2.05	0.27	2.27	0.25	38.31	1.87	9.20	408.08	650.09		
SMDH 00001	103.9	102.49	0.13	21.88	86.05	193.53	21.81	75.11	13.57	1.34	8.06	0.92	4.66	0.77	1.84	0.27	2.07	0.25	36.04	1.77	9.91	441.58	669.68		1.54
SMDH 00001	95.2	93.77	0.11	19.95	79.64	175.25	19.64	69.33	12.07	1.12	7.60	0.80	3.99	0.77	1.73	0.27	1.96	0.25	31.17	2.19	8.84	382.14	722.55		
SMDH 00001	112.6	114.18	0.13	21.76	96.99	214.86	24.58	84.36	14.72	1.23	8.74	0.92	4.33	0.77	1.94	0.27	2.27	0.25	39.89	2.19	11.44	482.64	733.13	0.45	
SMDH 00001	107.5	120.20	0.09	11.97	110.15	233.01	26.38	90.13	14.60	1.68	8.06	0.80	2.89	0.27	0.86	0.27	0.83	0.25	43.18	1.04	7.31	315.28	692.39		1.65
SMDH 00001	89.5	94.76	0.09	13.90	82.55	177.44	20.48	70.49	11.96	1.34	6.58	0.69	3.11	0.27	1.08	0.27	1.14	0.25	34.00	1.25	6.84	294.61	669.68		
SMDH 00205	123.9	118.78	0.21	29.26	98.62	224.48	25.54	86.32	16.90	1.45	9.99	1.15	5.77	1.10	2.70	0.27	4.03	0.25	41.37	3.12	13.74	545.05	476.91		
SMDH 00205	130.7	127.63	0.13	28.77	119.70	230.82	27.23	93.60	16.33	1.56	10.21	1.15	5.66	0.88	2.38	0.27	2.58	0.25	44.88	1.98	13.44	549.64	812.87		
SMDH 00205	50.2	51.64	0.11	8.70	50.18	102.74	11.44	38.13	6.32	1.34	3.52	0.29	1.78	0.27	0.65	0.27	0.83	0.25	18.25	1.15	17.57	741.18	965.95		
SMDH 00205	21.0	17.86	0.08	5.56	18.86	33.03	3.98	12.71	2.18	1.56	1.36	0.29	0.89	0.27	0.27	0.27	0.52	0.25	4.08	0.52	8.96	405.78	619.58		1.62
SMDH 00205	7.9	6.03	0.13	2.54	6.87	9.75	0.96	4.51	1.15	0.28	0.68	0.29	0.28	0.27	0.27	0.27	0.26	0.25	1.13	0.52	5.12	200.46	240.62		
SMDH 00205	54.0	54.40	0.08	9.79	51.58	106.51	11.57	40.44	7.13	1.34	4.09	0.29	2.11	0.27	0.76	0.27	0.72	0.25	22.33	0.94	7.90	340.13	561.33		
SMDH 00205	126.7	118.27	0.14	31.92	105.49	231.92	25.06	85.51	16.67	1.56	9.99	1.26	6.44	1.21	2.81	0.53	3.41	0.50	46.13	2.50	13.92	582.06	721.17		1.58
SMDH 00205	116.0	106.16	0.13	30.95	94.78	199.99	22.53	76.27	14.72	1.45	9.42	1.15	6.21	1.10	2.70	0.27	3.10	0.50	38.42	2.29	11.91	490.61	782.88		
SMDH 00205	136.6	126.51	0.15	35.30	113.64	239.60	26.74	91.29	17.25	1.56	11.12	1.38	7.10	1.21	3.03	0.53	3.51	0.60	45.67	3.02	14.27	588.00	896.08	0.36	
SMDH 00205	155.6	150.38	0.13	35.30	126.10	279.81	31.56	109.78	20.01	1.45	12.71	1.49	7.55	1.31	3.03	0.27	3.20	0.50	53.27	3.12	15.21	673.51	995.59		1.46
SMDH 00205	139.3	126.75	0.13	37.96	107.24	237.16	26.99	91.29	16.90	1.56	10.78	1.38	7.10	1.31	3.24	0.53	3.30	0.50	44.99	2.60	14.15	632.85	938.38		
SMDH 00205	144.9	123.65	0.12	45.58	101.30	225.58	25.90	87.82	16.79	1.56	11.01	1.49	8.43	1.64	3.89	0.64	3.92	0.60	43.97	2.81	13.21	582.46	804.90		
SMDH 00205	124.1	106.80	0.11	37.84	87.44	195.11	22.17	76.27	14.60	1.68	9.31	1.26	7.10	1.31	3.13	0.53	3.30	0.25	37.06	2.40	10.85	481.15	761.38	0.20	1.68
SMDH 00205	127.6	110.05	0.11	38.69	90.24	201.21	22.77	78.58	14.72	1.68	9.87	1.38	7.32	1.42	3.35	0.53	3.51	0.50	37.74	2.50	10.73	464.95	766.59		
SMDH 00205	130.8	113.07	0.13	39.53	91.52	203.52	23.37	80.89	15.18	1.56	9.99	1.38	7.44	1.42	3.35	0.64	3.61	0.50	37.97	2.08	11.79	513.57	851.70		
SMDH 00205	120.4	95.20	0.23	42.31	73.12	165.50	19.03	67.02	13.45	1.90	9.31	1.26	7.88	1.53	3.89	0.64	4.13	0.60	26.52	1.98	10.02	433.34	1777.95		1.74
SMDH 00205b	112.8	111.31	0.11	24.18	86.98	228.99	23.61	80.89	15.87	0.89	9.76	1.15	5.66	0.88	2.05	0.27	1.96	0.25	49.53	2.19	13.21	574.09	778.72	0.50	
SMDH 00205b	117.7	109.21	0.13	30.34	99.67	194.99	23.49	78.58	15.29	1.68	9.08	1.15	5.99	1.10	2.59	0.27	2.89	0.50	39.33	1.46	11.20	461.03	627.90		
SMDH 00205b	116.5	102.52	0.12	33.73	87.79	181.59	21.20	73.96	14.37	1.45	8.85	1.15	6.21	1.21	2.92	0.27	3.30	0.50	37.40	1.87	11.09	461.30	646.80		1.53
SMDH 00205b	95.7	85.01	0.12	27.81	76.27	156.72	18.19	61.24	11.15	1.12	6.70	0.80	4.77	0.99	2.59	0.27	2.79	0.25	30.83	1.46	9.08	380.39	544.86		
SMDH 00205b	93.7	91.46	0.10	20.67	85.00	176.59	19.64	67.02	11.50	1.23	6.92	0.80	3.99	0.77	1.94	0.27	2.17	0.25	36.15	1.25	8.84	377.95	617.67	0.29	
SMDH 00205b	132.5	110.94	0.16	41.95	94.08	186.70	21.68	80.89	15.18	1.34	10.21	1.26	7.10	1.42	3.78	0.64	4.34	0.70	45.22	1.67	15.09	584.36	856.56		1.46
SMDH 00205b	86.1	89.15	0.10	14.75	81.50	169.89	19.15	65.87	12.53	1.34	7.15	0.80	3.33	0.27	1.19	0.27	1.14	0.25	38.99	1.15	12.38	520.19	857.25		
SMDH 00205b	51.1	51.39	0.11	9.43	50.07	99.45	11.08	38.13	6.32	1.34	3.63	0.29	1.89	0.27	0.76	0.27	0.93	0.25	19.15	0.73	14.15	590.30	779.41		
SMDH 00205b	123.6	129.74	0.13	19.83	113.29	244.23	27.47	95.91	18.51	1.45	11.24	1.26	5.10	0.66	1.51	0.27	1.14	0.25	58.25	1.98	17.34	721.06	1092.67	0.27	1.59
SMDH 00205b	181.7	188.69	0.21	31.43	157.89	343.18	39.63	138.67	27.48	1.23	17.14	1.95	8.43	1.10	2.16	0.27	1.76	0.25	78.88	3.75	33.26	1410.10	2145.29		
SMDH 00206	103.6	95.37	0.13	27.20	76.27	166.60	20.12	69.56	13.11	1.12	7.60	0.92	4.77	0.99	2.05	0.27	2.17	0.25	34.57	2.50	11.76	504.79	259.86		
SMDH 00206	121.6	100.98	0.10	40.02	84.77	165.38	21.08	71.64	14.26	1.68	8.85	1.26	6.99	1.31	3.03	0.53	3.20	0.25	38.87	2.08	7.31	307.98	502.56		1.55
SMDH 00206	116.0	95.49	0.12	38.69	77.08	167.94	19.40	68.18	13.34	1.23	8.62	1.15	6.77	1.31	2.92	0.53	2.99	0.25	39.44	2.19	9.91	407.81	629.29	0.42	
SMDH 00206	126.2	102.08	0.12	43.28	79.64	174.27	20.36	72.80	14.60	1.23	9.31	1.26	7.66	1.42	3.46	0.64	3.51	0.25	41.37	2.81	8.73	360.66	529.26		
SMDH 00206	119.3	108.92	0.12	31.31	89.54	196.45	22.65	78.58	15.06	1.68	9.42	1.26	6.44	1.10	2.38	0.27	2.07	0.25	43.75	2.08	8.02	339.32	658.76		1.55
SMDH 00206	95.4	99.47	0.09	15.11	81.85	178.30	20.60	73.96	13.22	1.45	8.06	0.92	3.99	0.55	0.97	0.27	0.83	0.25	38.65	2.08	8.96	381.60	679.91		
SMDH 00206	119.2	110.91	0.13	29.62	88.49	195.48	22.77	80.89	15.64	1.45	9.65	1.15	6.10	1.10	2.38	0.27	2.27	0.25	44.65	2.19	8.73	364.99	605.36	0.26	
SMDH 00206	110.4	89.55	0.11	37.84	72.07	156.36	18.19	63.56	12.53	1.23	8.06	1.15	6.66	1.31	2.92	0.53	2.99	0.25	35.59	2.29	9.20	374.44	601.03		1.46
SMDH 00206	109.9	83.74	0.12	43.28	74.05	161.36	18.31	56.62	12.65	1.23	8.62	1.15	7.66	1.42	3.46	0.64	3.51	0.50	35.36	1.98	8.25	359.04	718.05		
SMDH 00206b	116.2	115.70	0.09	25.51	106.77	238.99	26.02	83.20	16.79	1.01	10.21	1.15	5.33	0.99	2.05	0.27	2.17	0.25	49.87	2.19	16.63	717.54	539.14		
SMDH 00206b	149.1	126.25	0.13	48.24	119.93	215.71	27.83	87.82	19.89	2.46	13.50	1.72	8.88	1.64	3.67	0.64	3.82	0.50	45.11	1.77	10.02	413.75	685.11	1.00	1.42
SMDH 00206b	135.7	124.21	0.12	37.36	103.16	233.26	27.35	87.82	20.35	1.45	12.60	1.49	7.55	1.31	2.81	0.27	2.79	0.25	54.29	2.19	11.32	473.19	765.20		
SMDH 00206b	141.2	135.27	0.13	33.25	115.74	263.36	28.79	98.22	20.81	1.45	12.48	1.38	6.88	1.21	2.70	0.27	2.79	0.25	58.25	1.98	10.85	457.92	773.69		
SMDH 00206b	119.6	117.88	0.12	26.84	101.53	232.16	26.38	84.36	19.55	1.23	12.03	1.26	5.88	0.99	2.16	0.27	2.38	0.25	55.65	1.87	9.32	410.91	785.13		1.45

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00206b	130.4	128.16	0.11	28.17	102.23	221.07	27.47	92.44	16.56	1.56	12.26	1.26	6.99	1.31	3.46	0.27	2.38	0.25	54.17	2.40	11.09	455.49	730.18	0.43	
SMDH 00206b	140.8	137.39	0.13	32.40	108.75	238.01	30.36	98.22	20.12	1.34	12.03	1.38	7.44	0.88	3.46	0.27	3.30	0.25	52.70	2.08	12.97	472.51	805.07		1.71
SMDH 00206b	157.1	159.02	0.13	30.59	128.31	286.39	34.33	117.87	20.70	1.79	13.50	1.61	5.22	0.99	2.92	0.27	2.27	0.25	69.13	2.50	15.09	624.75	867.48		
SMDH 00206b	116.5	126.40	0.11	18.26	109.22	226.19	29.64	91.29	14.72	1.45	10.67	1.03	4.44	0.27	1.62	0.27	0.52	0.25	46.01	1.98	12.74	490.88	742.66	0.77	
SMDH 00206b	142.8	151.20	0.13	23.09	120.63	259.34	33.01	110.93	16.90	1.56	12.37	1.38	5.88	0.77	1.73	0.27	1.34	0.25	55.08	2.08	12.15	370.12	782.19		1.63
SMDH 00206b	152.7	155.53	0.12	29.14	122.61	264.58	33.37	113.24	21.96	1.45	13.50	1.15	7.77	0.99	2.38	0.27	1.86	0.25	44.77	1.87	12.03	473.19	773.87		
SMDH 00206b	147.6	147.60	0.13	32.04	121.21	264.09	33.25	106.31	17.59	1.23	13.28	1.49	6.55	1.31	4.11	0.27	3.30	0.50	58.03	2.08	15.45	607.05	842.52		
SMDH 00207	66.2	63.40	0.09	18.01	60.55	159.89	16.14	43.91	9.54	0.89	6.92	0.57	2.77	0.55	1.51	0.27	1.14	0.25	41.59	2.08	10.26	486.42	869.91	0.77	1.26
SMDH 00207	127.2	122.84	0.11	30.59	112.24	220.58	28.43	87.82	14.95	2.23	12.82	1.26	5.33	0.66	2.49	0.27	1.76	0.25	52.70	2.92	5.78	304.07	676.79		
SMDH 00207	131.5	112.47	0.11	41.59	102.11	194.50	24.21	80.89	16.10	1.68	11.35	1.26	6.10	1.10	3.35	0.27	3.30	0.25	54.29	3.54	11.79	488.72	743.18		
SMDH 00207	172.9	145.83	0.11	60.69	130.29	339.65	35.78	98.22	15.87	2.12	11.58	1.95	9.88	1.42	5.73	0.27	3.72	0.50	55.87	5.94	13.68	583.68	826.22		1.58
SMDH 00207	110.3	98.59	0.09	32.76	83.02	171.96	22.41	70.49	16.67	1.34	10.33	1.15	4.55	0.66	2.70	0.27	1.65	0.25	47.26	3.64	11.32	523.57	724.63	0.55	
SMDH 00207	125.7	112.41	0.10	37.48	97.22	198.16	25.54	79.73	16.33	1.34	12.26	1.03	6.10	0.99	3.03	0.27	2.99	0.25	54.51	3.64	12.26	548.29	842.86		
SMDH 00207	151.0	148.64	0.13	32.76	124.00	245.32	32.17	109.78	18.97	1.79	12.60	1.26	5.44	1.10	3.35	0.27	2.58	0.25	71.63	3.02	18.16	789.95	1025.58		1.53
SMDH 00207	145.8	139.70	0.10	36.15	120.86	248.98	31.80	100.53	17.59	1.79	12.71	1.26	6.10	1.21	3.89	0.64	3.20	0.50	47.71	2.19	11.91	520.73	784.79		
SMDH 00207	126.5	136.58	0.11	20.91	113.87	254.10	32.77	98.22	4.48	1.79	12.60	1.15	4.44	0.88	1.62	0.27	1.24	0.25	18.70	1.98	8.84	328.78	736.42	0.51	
SMDH 00207	125.1	127.13	0.13	27.81	103.05	259.95	31.08	90.13	3.79	1.23	10.21	1.15	4.77	0.77	3.46	0.53	1.86	0.25	18.02	2.50	10.61	424.83	709.38		1.62
SMDH 00207	42.3	41.97	0.07	7.50	37.26	82.75	9.04	31.32	5.52	1.90	3.06	0.29	1.33	0.27	0.54	0.27	0.62	0.25	14.51	0.94	5.80	313.66	287.08		1.67
SMDH 00207b	121.8	115.86	0.13	32.40	93.96	190.12	27.83	80.89	3.56	1.34	10.10	1.15	5.99	0.88	2.92	0.27	2.58	0.25	24.37	2.50	19.58	833.44	517.99		
SMDH 00207b	116.4	124.75	0.14	20.79	90.59	206.45	31.08	88.98	3.79	1.90	8.40	0.80	3.88	0.77	1.73	0.27	1.96	0.25	19.83	2.29	13.33	541.54	3322.22	1.38	1.71
SMDH 00207b	149.6	145.79	0.15	33.13	123.89	253.98	30.84	107.47	3.45	1.56	11.46	1.38	6.10	1.10	2.49	0.27	2.07	0.25	19.95	1.77	8.73	345.80	653.21		
SMDH 00207b	193.7	211.04	0.14	26.48	194.33	394.98	46.14	158.31	5.40	2.35	10.55	1.38	5.22	0.99	1.94	0.27	1.55	0.25	22.21	1.56	9.20	361.47	634.49		
SMDH 00207b	110.5	100.53	0.13	31.07	79.99	174.03	23.13	70.49	3.22	2.01	10.78	0.92	5.99	1.10	2.70	0.27	2.27	0.25	19.83	1.67	8.61	373.36	1133.76		1.62
SMDH 00207b	103.4	66.32	0.15	49.57	49.02	87.87	14.82	41.60	2.30	2.35	7.94	0.92	8.99	1.64	4.00	0.27	3.30	0.50	16.21	2.40	7.78	342.97	2213.42	0.85	
SMDH 00207b	135.6	124.71	0.15	35.66	106.07	231.43	26.26	88.98	18.05	1.45	10.55	1.26	8.21	1.10	3.35	0.53	2.79	0.25	10.54	3.54	6.60	264.08	652.86		
SMDH 00208	121.7	103.80	0.11	38.81	92.92	202.06	23.37	73.96	13.22	2.46	9.42	1.03	5.44	0.99	2.81	0.27	2.48	0.25	52.36	2.92	15.33	609.62	590.28		1.57
SMDH 00208	129.6	110.52	0.09	40.62	99.32	212.54	24.58	78.58	13.45	3.02	11.01	1.26	6.10	1.21	3.24	0.27	2.68	0.25	30.26	3.44	6.96	246.66	637.78		
SMDH 00208	144.1	131.28	0.14	40.86	120.86	244.96	29.15	94.76	16.33	1.12	11.69	1.38	5.99	1.21	2.92	0.27	2.17	0.25	63.69	4.06	14.98	622.04	867.48	1.09	
SMDH 00208	170.4	152.89	0.16	46.79	148.57	279.45	30.72	113.24	20.12	1.45	13.96	1.49	7.44	1.31	3.57	0.64	2.58	0.25	81.37	4.37	19.10	695.93	890.19		1.44
SMDH 00208	133.7	123.10	0.11	36.03	103.98	218.27	26.86	88.98	12.76	1.45	9.65	1.26	5.99	1.21	3.24	0.27	2.17	0.25	44.77	3.85	13.92	590.98	787.73		
SMDH 00208	78.1	64.43	0.10	27.08	61.25	123.33	14.46	45.07	9.31	1.01	5.45	0.69	4.22	0.88	2.27	0.27	1.76	0.25	25.61	2.50	11.09	460.89	567.57		
SMDH 00208	130.6	122.72	0.13	33.00	108.87	231.43	26.99	87.82	14.60	1.90	9.31	1.15	6.77	0.99	2.81	0.27	1.86	0.25	39.78	1.67	10.38	493.45	597.22	0.12	1.47
SMDH 00208	137.1	123.81	0.13	38.44	109.10	237.28	26.99	90.13	18.17	1.79	9.08	1.03	5.66	1.10	3.35	0.74	3.41	0.25	41.71	1.77	12.03	506.55	639.69		
SMDH 00208	119.8	105.98	0.13	36.27	90.94	200.84	23.61	75.11	14.03	1.12	9.76	1.26	5.99	1.21	3.89	0.53	3.51	0.25	33.89	2.08	9.43	383.76	637.95		
SMDH 00208b	100.3	93.68	0.11	24.90	86.63	183.41	19.40	70.49	13.22	1.12	6.70	0.80	3.00	0.66	1.94	0.27	1.96	0.25	38.19	2.40	13.21	573.41	506.72		1.52
SMDH 00208b	124.5	111.65	0.09	36.99	106.65	239.11	25.18	80.89	12.65	1.01	8.17	0.92	4.66	0.88	2.81	0.27	2.58	0.25	37.74	2.71	8.49	381.60	760.17	1.18	
SMDH 00208b	206.1	162.73	0.13	74.83	132.97	295.78	33.61	114.40	21.62	2.12	13.05	2.30	12.43	2.41	4.86	0.74	4.44	0.50	46.58	3.23	12.15	541.40	662.74		
SMDH 00208b	145.4	122.15	0.12	48.84	102.35	236.18	26.86	84.36	17.25	1.23	11.12	1.61	9.32	1.53	4.11	0.53	3.82	0.25	40.80	2.40	11.56	504.39	618.36		1.55
SMDH 00208b	152.2	139.80	0.10	40.98	116.20	261.17	30.12	100.53	18.63	1.56	11.80	1.49	7.66	1.31	3.57	0.27	2.89	0.25	50.32	2.71	10.50	453.87	721.17		
SMDH 00208b	121.8	111.53	0.09	33.37	98.85	205.72	24.21	79.73	12.19	1.12	9.42	1.15	6.44	1.10	2.27	0.27	2.27	0.25	43.75	2.29	13.33	595.03	641.42	0.75	
SMDH 00208b	142.5	120.20	0.08	47.51	103.39	222.90	26.74	83.20	17.02	1.56	11.46	1.38	8.88	1.53	3.46	0.64	3.61	0.50	30.83	2.08	14.27	589.89	603.11		1.67
SMDH 00209	400.1	394.22	0.14	86.80	307.16	725.61	82.52	290.04	47.25	1.56	30.30	3.67	17.98	2.63	6.48	1.17	6.20	1.01	155.72	5.73	46.11	1954.74	373.06		
SMDH 00209	103.6	90.17	0.13	31.80	88.14	182.07	20.00	64.71	11.96	1.68	7.49	0.80	4.66	0.88	2.49	0.64	2.89	0.25	29.13	2.29	25.24	1182.49	801.78	1.31	1.48
SMDH 00209	51.7	38.82	0.09	20.67	36.56	71.90	8.67	25.42	4.60	0.89	3.63	0.29	4.44	0.66	0.97	0.27	1.55	0.25	10.54	1.77	34.32	1588.14	515.91		
SMDH 00209	39.2	31.59	0.09	14.51	36.44	70.44	7.95	20.80	4.48	1.01	3.40	0.29	2.55	0.27	0.54	0.27	0.93	0.25	14.05	1.56	31.96	1461.43	460.09		
SMDH 00209	50.5	52.37	0.13	9.67	50.53	100.54	12.29	38.13	6.67	0.78	5.56	0.29	1.66	0.27	0.54	0.27	0.83	0.25	18.13	1.15	24.06	1114.41	717.87		1.58
SMDH 00209	131.6	128.19	0.13	32.40	121.33	250.56	30.36	90.13	16.44	1.34	10.10	1.38	6.33	1.10	2.92	0.53	3.92	0.25	50.55	2.29	13.68	641.36	884.99	0.86	
SMDH 00209	201.4	189.19	0.13	50.41	164.76	337.46	40.12	136.36	22.19	1.90	16.00	1.95	10.76	1.75	5.19	0.85	5.16	0.70	68.57	2.81	37.74	1811.42	886.72		
SMDH 00209	158.2	145.55	0.15	43.64	132.27	267.50	32.41	104.00	15.06	1.45	11.12	1.49	7.66	1.64	3.89	0.64	4.23	0.80	81.49	2.50	36.91	1624.07	870.77		1.45
SMDH 00209	180.0	174.36	0.12	40.26	145.66	305.89	36.38	128.27	17.13	1.79	15.43	1.72	7.99	1.53	3.35	0.64	3.92	0.50	62.67	1.87	26.18	1183.98	847.54		
SMDH 00209	241.1	248.03	0.14	40.62	174.54	463.35	49.27	189.51	20.35	1.68	12.48	1.26	7.99	1.31	3.13	0.53	3.30	0.25	65.85	2.40	32.90	1460.35	1501.45	0.52	
SMDH 00209	143.6	114.02	0.13	52.95	105.37	203.77	24.82	79.73	13.22	1.45	11.01	1.26	8.21	1.86	4.43	0.74	6.30	0.91	42.05	2.08	23.11	1064.16	915.15		1.36
SMDH 00209	134.6	107.80	0.12	48.12	99.32	203.03	22.65	75.11	12.76	1.34	9.99	1.49	8.54	1.97	4.65	0.96	5.47	0.70	30.60	1.77	15.33	678.24	833.33		
SMDH 00209	166.0	154.65	0.13	44.97	133.90	289.44	35.06	109.78	19.78	1.45	10.33	1.49	8.32	1.53	4.32	0.74	4.03	0.80	59.05	2.40	10.02	481.29	1245.22		
SMDH 00209	148.7	135.39	0.12	41.59	135.76	259.34	30.36	98.22	16.79	2.12	8.74	1.15	5.66	1.10	2.70	0.27	2.38	0.25	57.57	3.12	10.73	518.57	973.05	0.71	1.58
SMDH 00209	159.1	143.60	0.14	47.51	147.87	293.71	33.61	102.84	18.17	1.56	11.46	1.26	5.88	1.42	4.54	0.27	2.89	0.25	73.67	3.64	13.09	616.10	1111.05		
SMDH 00209	172.7	152.49	0.13	50.05	133.55	275.43	30.96	110.93	14.49	1.12	10.10	1.72	8.88	1.64	5.08	0.53	2.99	0.25	67.09	3.85	23.11	1142.37	939.08		
SMDH 00209	131.3	120.56	0.13	37.11	113.87	233.75	27.83	87.82	13.80	1.45	7.60	0.92	3.99	0.66	2.38	0.27	1.34	0.25	61.77	3.64	2.12	93.75	857.77		1.49
SMDH 00209	78.6	65.25	0.15	26.96	67.77	133.93	14.70	47.38	7.93	1.12	4.99	0.29	2.89	0.55	1.94	0.27	1.34	0.25	34.23	3.12	2.59	108.20	1008.94	0.26	
SMDH 00209b	140.1	122.93	0.14	43.28	106.42	240.94	27.35	86.67	16.44	1.23	9.42	1.15	7.77	1.64	3.03	0.27	3.51	0.25	62.79	3.33	2.59	97.80	651.82		
SMDH 00209b	116.3	95.74	0.13	38.44	102.35	170.01	19.15	69.33	10.58	1.23	6.36	1.03	6.21	1.42	4.32	0.64	3.20	0.25	39.89	1.98	1.42	58.22	695.34		1.39
SMDH 00209b	106.5	81.53	0.11	40.62	71.61	137.83	16.50	57.78	10.69	0.89	7.26	0.92	6.33	1.42	3.35	0.27	2.99	0.25	33.21	1.67	7.90	309.33	588.03		
SMDH 00209b	130.9	110.44	0.10	42.92	97.46	200.35	23.61	78.58	11.73	1.12	9.31	1.15	7.10	1.42	4.11	0.53	3.92	0.25	40.23	2.40	9.91	315.41	536.02	1.36	
SMDH 00209b	144.0	141.90	0.13	31.55	119.70	251.30	30.72	105.16	16.33	1.23	11.12	1.03	4.99	1.10	2.16	0.27	2.17	0.25	59.16	2.08	12.62	457.92	757.40		1.45
SMDH 00209b	155.9	154.21	0.13	34.70	140.77	282.37	34.09	112.09	20.12	1.12	14.19	1.15	6.88	1.10	2.49	0.27	1.96	0.25	64.49	2.40	14.27	478.86	762.60		
SMDH 00209b	189.2	165.43	0.11	59.36	138.91	297.12	37.23	116.71	19.78	1.68	14.87	1.84	9.65	1.75	5.62	0.96	6.20	0.91	63.24	2.50	11.91	441.04	849.10		
SMDH 00209b	156.8	153.17	0.12	36.39	136.81	281.88	34.09	110.93	18.74	1.34	12.37	1.38	6.77	1.31	2.92	0.27	2.79	0.25	75.25	2.29	14.86	503.98	753.93	0.51	1.35
SMDH 00209b	67.9	67.21	0.11	14.14	63.57	119.43	14.46	49.69	9.43	1.01	5.22	0.29	2.77	0.27	1.40	0.27	0.93	0.25	27.43	1.67	11.67	456.17	665.69		
SMDH 00209b	83.9	75.65	0.09	23.33	70.68	137.23	16.50	55.47	9.31	1.45	5.56	0.57	3.11	0.99	2.16	0.27	2.27	0.25	24.03	1.67	11.32	437.79	814.43		
SMDH 00209b	66.5	55.83	0.11	22.24	51.93	109.80	12.77	40.44	8.85	1.23	5.22	0.29	2.33	0.66	1.19	0.27	0.93	0.25	28.11	1.87	13.44	540.59	802.82		1.45
SMDH 00209b	127.3	108.96	0.13	43.16	101.53	220.46	25.78	76.27	13.45	1.01	8.28	1.03	5.88	1.21	3.03	0.53	2.27	0.25	58.14	2.81	16.51	607.86	613.51	0.43	
SMDH 00210	131.4	118.82	0.11	36.63	99.20	214.37	25.30	87.82	18.63	1.23	8.97	1.15	4.55	0.99	1.62	0.27	1.55	0.25	50.43	3.33	9.79	368.50	697.07		
SMDH 00210	109.8	71.51	0.12	52.35	66.25	120.29	15.54	50.84	11.04	1.45	7.26	0.69	4.44	1.21	3.13	0.53	2.48	0.25	27.65	2.92	10.73	387.95	605.02		1.47
SMDH 00210	140.6	96.06	0.13	61.66	241.60	210.47	18.55	70.49	8.28	1.45	5.22	0.92	6.10	1.64	5.19	0.64	4.13	0.70	20.29	2.92	17.45	647.17	574.33		
SMDH 00210	147.1	98.49	0.13	67.58	83.25	184.51	20.24	69.33	15.18	1.23	8.28	1.15	7.77	1.64	5.51	1.06	4.65	0.60	43.07	3.64	13.68	471.29	755.14	0.73	
SMDH 00210	125.0	77.92	0.13	63.11	71.61	150.75	17.23	52.00	12.42	1.23	7.60	1.26	7.44	1.53	3.78	0.85	3.82	0.60	30.03	3.64	10.73	443.60	593.05		1.60

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00210	92.1	37.38	0.13	61.05	36.21	65.08	7.83	19.64	5.40	1.45	3.06	0.92	8.99	2.08	4.65	0.85	4.54	0.60	8.95	1.77	11.09	495.20	519.90		
SMDH 00210	87.4	30.40	0.10	61.66	33.07	61.91	6.02	15.02	4.83	1.34	4.77	0.92	8.43	2.30	5.40	1.06	7.95	1.81	24.48	1.46	15.68	540.86	699.50		
SMDH 00210	123.4	115.97	0.13	31.31	100.02	206.20	25.30	83.20	17.02	1.45	9.19	1.15	6.33	1.21	2.92	0.53	3.10	0.25	47.49	3.44	17.10	615.42	653.56	0.68	1.55
SMDH 00210	134.0	130.46	0.11	30.59	113.64	241.79	28.31	95.91	16.67	1.23	9.76	0.80	5.44	1.10	2.81	0.27	2.89	0.50	48.62	1.98	10.38	397.81	686.67		
SMDH 00210	137.7	124.51	0.11	36.87	124.59	216.32	24.94	92.44	13.11	1.23	8.85	0.92	6.21	1.10	2.92	0.53	4.34	0.80	43.29	2.19	15.33	577.06	734.51		
SMDH 00210	109.7	112.89	0.10	22.24	112.59	227.29	26.86	80.89	14.83	1.45	8.74	0.92	4.22	0.77	1.51	0.27	1.24	0.25	46.81	1.98	14.86	508.17	697.76	0.56	
SMDH 00210b	142.2	143.08	0.12	28.53	133.32	270.79	30.72	104.00	16.10	1.34	11.58	1.15	7.21	1.21	1.84	0.27	1.55	0.25	59.16	2.81	20.17	727.00	576.24		
SMDH 00210b	254.5	259.27	0.09	46.79	215.99	331.49	53.37	195.29	30.81	1.79	20.43	2.07	8.54	1.53	3.67	0.27	3.61	0.25	62.45	3.96	12.74	637.71	703.31		1.43
SMDH 00210b	119.4	101.54	0.12	37.84	90.35	181.34	21.44	73.96	11.04	1.45	8.06	1.03	5.10	1.10	2.81	0.27	2.58	0.50	63.47	3.12	11.67	541.00	666.90		
SMDH 00210b	109.5	100.24	0.13	30.59	95.36	196.58	22.65	72.80	13.91	1.34	8.17	0.69	4.11	0.77	1.51	0.27	1.34	0.25	198.68	3.23	18.75	964.20	640.90	0.70	
SMDH 00210b	103.3	93.34	0.12	30.83	92.22	189.87	22.41	67.02	11.96	1.56	7.49	0.80	3.11	0.27	0.86	0.27	0.52	0.25	54.63	3.64	13.21	596.24	514.52		1.61
SMDH 00210b	136.7	124.20	0.13	37.48	115.62	241.06	26.50	92.44	13.22	1.56	9.19	1.15	4.11	0.77	1.94	0.27	2.89	0.25	79.22	3.96	16.39	860.32	755.14		
SMDH 00210b	114.5	103.23	0.13	32.52	94.20	203.40	22.77	75.11	13.57	1.56	8.97	0.80	4.55	0.66	1.84	0.27	2.07	0.25	65.05	2.81	13.44	646.09	725.85		
SMDH 00210b	164.0	145.68	0.11	48.12	130.52	331.49	31.56	106.31	17.59	1.79	11.80	1.26	6.55	1.53	3.78	0.53	4.44	0.70	66.41	3.23	15.92	776.85	860.89	0.50	1.61
SMDH 00210b	143.2	129.34	0.12	40.02	115.85	241.91	27.71	93.60	17.94	1.56	11.24	1.26	6.77	1.31	3.03	0.64	3.41	0.60	72.99	4.58	18.28	826.01	952.60		
SMDH 00210b	257.6	279.14	0.08	27.81	296.56	478.83	52.65	219.55	28.51	3.35	11.12	1.72	5.22	1.10	1.94	0.27	2.68	0.25	37.06	2.08	15.68	418.34	754.97		
SMDH 00210b	109.5	113.72	0.09	19.34	121.44	198.89	24.82	83.20	14.83	1.23	7.94	1.26	4.44	0.55	1.19	0.27	0.72	0.25	38.53	1.98	20.64	526.68	836.45		1.42
SMDH 00210b	126.0	125.40	0.13	24.42	118.65	197.55	24.94	94.76	15.06	1.12	8.17	1.38	4.33	0.77	1.51	0.27	2.07	0.25	49.98	2.92	21.82	619.48	814.95	0.49	
SMDH 00210b	127.9	126.62	0.13	26.60	139.84	219.85	26.99	93.60	13.34	1.68	8.28	1.26	4.77	0.77	1.40	0.27	1.76	0.25	47.83	3.12	17.10	495.34	710.07		
SMDH 00210b	113.8	105.14	0.10	30.10	107.12	176.10	22.65	75.11	13.11	1.23	8.28	1.61	5.77	0.99	1.94	0.27	2.07	0.25	41.03	3.02	17.92	526.41	698.46		1.42
SMDH 00211	164.3	146.65	0.13	47.39	127.26	289.56	31.08	106.31	18.28	1.34	11.24	1.49	7.77	1.53	3.35	0.53	3.30	0.50	55.99	3.54	14.46	531.54	408.78		
SMDH 00211	97.5	76.13	0.11	36.75	89.19	141.98	16.50	53.16	8.85	1.12	6.24	1.15	5.33	1.31	2.27	0.27	2.99	0.25	80.58	3.12	16.86	408.21	650.26	1.18	
SMDH 00211	135.8	96.93	0.11	56.58	104.21	163.18	19.15	68.18	9.77	1.45	7.15	1.61	7.99	1.86	3.57	0.53	4.34	0.60	49.87	2.29	13.56	394.97	776.64		1.60
SMDH 00211	62.6	35.86	0.13	33.85	47.27	68.73	8.55	21.96	5.29	1.45	2.95	0.80	4.55	1.10	2.49	0.27	3.41	0.25	15.30	1.35	16.27	434.42	715.10		
SMDH 00211	62.7	31.94	0.11	36.03	47.74	93.72	6.38	19.64	4.14	1.12	2.72	1.03	4.88	1.21	2.49	0.27	3.51	0.25	9.86	2.71	12.50	312.44	600.86		
SMDH 00211	136.6	108.26	0.12	44.25	138.33	310.16	18.07	82.04	10.92	2.12	4.31	1.38	6.77	1.53	3.46	0.27	5.78	0.25	8.05	2.81	10.26	294.88	588.89	0.53	1.58
SMDH 00211	70.7	24.51	0.16	48.84	32.83	65.08	4.10	12.71	4.02	1.45	1.70	1.26	6.44	1.64	4.00	0.64	7.95	0.25	6.35	3.02	15.33	423.07	546.60		
SMDH 00211	70.0	21.50	0.13	51.14	25.97	50.70	3.73	10.40	2.64	1.12	2.27	1.38	5.99	1.75	4.32	0.96	7.85	0.50	11.33	2.71	17.10	478.59	588.89		
SMDH 00211	74.5	57.99	0.14	27.20	73.24	161.84	11.69	41.60	8.74	1.01	3.75	1.26	3.44	0.99	1.73	0.27	3.30	0.25	64.26	2.81	18.04	503.04	631.37		1.58
SMDH 00211	79.1	68.48	0.13	24.54	89.54	194.63	14.58	48.53	10.35	0.67	4.65	1.38	3.99	0.88	1.62	0.27	3.30	0.25	78.20	3.23	15.57	421.45	763.29	0.56	
SMDH 00211	49.6	39.99	0.12	16.80	54.26	118.34	8.31	28.89	7.70	1.12	3.18	0.57	2.22	0.27	0.86	0.27	1.96	0.25	48.62	2.50	14.39	405.92	602.59		
SMDH 00211b	81.8	68.38	0.10	24.78	80.81	173.30	12.17	50.84	11.04	0.78	4.99	1.38	3.99	0.77	1.62	0.27	2.89	0.25	51.57	3.23	15.21	437.93	847.02		1.29
SMDH 00211b	116.8	94.05	0.13	40.98	110.15	248.49	19.28	68.18	13.91	1.01	6.81	1.61	4.99	1.10	2.16	0.27	3.92	0.25	71.29	3.85	16.63	436.04	687.88		
SMDH 00211b	80.8	64.71	0.16	27.44	74.98	151.97	12.41	47.38	11.84	1.01	4.54	1.26	3.66	0.77	1.19	0.27	2.79	0.25	70.27	2.71	18.40	481.15	628.77	1.08	
SMDH 00211b	81.6	73.07	0.13	22.85	88.72	183.54	15.06	54.31	12.65	0.78	5.56	1.03	2.66	0.27	0.86	0.27	1.55	0.25	61.65	2.40	16.86	521.81	772.48		1.52
SMDH 00211b	102.0	77.51	0.11	38.81	94.43	194.75	15.18	56.62	15.18	0.89	5.56	1.49	4.22	0.99	2.05	0.27	4.44	0.25	58.82	3.02	15.45	445.22	738.67		
SMDH 00211b	92.5	78.10	0.11	28.17	98.62	178.90	14.70	58.93	10.00	0.89	4.43	1.03	3.44	0.66	1.40	0.27	3.82	0.25	51.34	2.29	12.50	405.78	679.56		
SMDH 00211b	76.1	64.54	0.13	23.45	81.27	171.23	13.01	47.38	10.23	1.12	4.31	1.26	2.89	0.55	1.19	0.27	1.76	0.25	60.97	2.60	17.81	484.80	660.84	0.55	1.60
SMDH 00211b	77.2	63.46	0.13	25.03	73.47	153.19	12.17	47.38	9.66	0.89	4.31	0.92	3.00	0.66	1.40	0.27	2.48	0.25	54.40	2.29	14.15	454.41	601.72		
SMDH 00211b	84.1	68.95	0.16	27.93	79.18	162.09	13.73	50.84	12.99	1.01	4.88	1.38	3.00	0.77	1.19	0.27	3.30	0.25	41.25	2.40	10.26	349.45	633.79		
SMDH 00211b	137.8	121.72	0.12	42.31	106.42	219.85	27.59	83.20	18.17	1.34	11.69	1.61	9.32	1.64	5.51	0.53	4.13	1.31	45.45	2.92	10.14	440.09	579.19		1.58
SMDH 00211b	119.8	112.22	0.15	30.59	131.57	201.21	24.46	79.73	14.95	1.45	9.65	1.15	6.88	1.21	3.35	0.27	2.99	1.01	51.23	2.50	12.15	531.67	528.39	0.46	
SMDH 00211b	136.8	124.98	0.09	36.99	110.50	217.29	26.74	88.98	17.25	1.56	10.89	1.49	7.77	1.31	4.43	0.27	3.41	1.31	39.55	2.60	7.31	300.42	682.33		
SMDH 00211b	168.1	149.07	0.13	49.45	154.63	271.16	32.53	105.16	18.63	2.12	11.92	2.18	9.21	1.53	6.27	0.64	4.03	1.71	54.29	3.12	12.38	485.21	825.87		1.53
SMDH 00211b	178.6	162.05	0.13	49.57	142.40	286.76	35.18	116.71	21.73	2.12	12.37	1.95	8.21	1.64	4.97	0.53	4.23	1.91	48.96	4.06	11.20	482.37	839.74		
SMDH 00211b	191.8	178.07	0.14	50.05	152.18	310.52	38.07	125.96	18.97	1.79	14.64	1.95	12.10	1.86	4.97	0.74	4.44	1.71	59.39	3.75	18.16	674.45	943.06		1.60
SMDH 00211b	172.3	169.04	0.13	38.20	155.44	320.64	36.86	121.33	22.31	1.90	14.64	2.41	8.43	1.21	4.97	0.53	2.99	1.31	63.81	2.71	13.80	562.20	815.30		
SMDH 00211b	105.9	107.46	0.13	21.64	113.41	190.85	25.90	77.42	14.03	2.68	7.38	0.80	3.33	0.55	1.73	0.27	0.72	0.60	44.43	2.08	11.67	458.19	567.92		
SMDH 00211b	114.4	115.65	0.13	25.15	122.72	213.88	28.07	80.89	14.72	1.68	7.49	0.92	5.77	0.66	1.51	0.27	0.52	0.80	48.85	2.60	12.74	525.87	547.98	0.43	1.55
SMDH 00212	236.5	207.07	0.12	74.35	211.10	345.74	47.47	144.44	22.08	2.57	15.89	2.18	12.98	2.63	11.35	1.06	6.30	1.91	63.35	3.96	16.39	624.75	709.90		
SMDH 00212	149.4	134.53	0.14	44.61	131.57	231.43	31.56	93.60	15.41	1.79	10.67	1.49	7.88	1.53	5.29	0.64	2.68	1.41	57.01	3.33	14.15	526.95	739.02		
SMDH 00212	170.4	164.03	0.13	40.26	143.10	259.83	35.42	119.02	16.67	1.56	9.99	1.26	8.32	1.64	5.62	0.53	2.27	1.51	54.40	2.81	11.67	503.31	800.91		1.52
SMDH 00212	158.3	156.43	0.14	38.08	155.79	271.16	38.07	109.78	14.72	1.90	12.60	1.15	7.44	1.86	4.32	0.53	1.76	0.91	57.46	2.71	12.15	521.68	739.02	0.67	
SMDH 00212	162.4	156.06	0.12	41.59	146.48	264.70	36.50	108.62	14.95	1.23	10.67	1.95	8.99	1.97	6.16	0.64	2.48	1.11	51.11	2.71	11.91	477.10	851.88		
SMDH 00212	192.6	133.19	0.14	85.84	110.50	244.96	28.07	94.76	19.32	1.68	10.78	1.38	8.99	1.64	3.57	0.64	3.30	1.01	50.32	4.27	13.09	562.88	842.86		1.53
SMDH 00212	177.9	116.37	0.17	85.84	96.53	210.71	25.90	80.89	15.52	1.56	9.31	1.26	8.32	1.75	3.46	0.85	3.72	1.21	49.53	2.60	10.85	531.54	704.52		
SMDH 00212	214.7	137.61	0.22	102.40	113.52	239.96	26.74	93.60	17.36	1.45	11.01	1.84	15.42	3.94	8.75	1.80	9.19	1.31	46.92	3.12	12.85	543.02	867.48	0.43	
SMDH 00212	232.7	137.39	0.23	119.81	112.36	235.09	25.90	92.44	17.02	1.45	11.12	2.07	16.98	4.49	10.48	2.12	11.36	1.51	43.97	3.12	14.86	623.66	689.44		1.54
SMDH 00212b	162.6	147.05	0.11	44.49	127.73	285.42	30.48	106.31	18.97	1.56	11.58	1.49	8.77	1.75	3.57	0.64	3.10	0.25	54.06	3.12	17.22	755.77	763.29		
SMDH 00212b	132.5	104.06	0.10	48.12	94.20	167.81	21.08	73.96	13.22	1.45	8.62	1.15	7.88	1.75	3.67	0.64	3.20	0.25	32.53	1.87	7.19	307.58	581.44		
SMDH 00212b	152.0	124.63	0.12	51.14	105.72	228.02	25.18	88.98	16.56	1.45	9.99	1.38	9.10	1.97	4.11	0.74	3.82	0.50	44.43	3.02	9.79	419.96	723.42	0.85	1.55
SMDH 00212b	160.0	128.34	0.12	56.34	109.10	232.28	25.90	91.29	17.02	1.23	9.87	1.49	9.65	2.19	4.43	0.85	4.13	0.50	45.11	2.81	11.20	477.51	812.52		
SMDH 00212b	125.3	109.25	0.11	37.48	97.11	205.11	22.65	78.58	14.26	1.23	8.40	1.15	6.88	1.53	3.03	0.53	2.79	0.25	40.46	1.98	9.91	434.82	889.50		
SMDH 00212b	147.1	132.87	0.17	40.26	121.09	254.34	27.71	95.91	17.48	1.68	10.10	1.38	7.88	1.64	3.13	0.53	2.99	0.25	46.13	2.50	14.51	641.63	1429.33		1.65
SMDH 00212b	130.7	128.79	0.11	27.32	117.37	247.76	27.23	94.76	15.98	1.79	9.31	1.15	5.66	1.10	2.05	0.27	1.65	0.25	45.56	2.08	11.67	492.64	893.66	0.70	
SMDH 00212b	119.6	125.95	0.09	19.22	117.13	240.45	27.59	92.44	15.87	2.01	8.40	1.03	4.88	0.66	1.19	0.27	0.83	0.25	44.20	1.56	10.38	440.90	671.76		
SMDH 00213	195.6	189.64	0.12	44.97	174.30	341.84	41.20	137.51	24.60	2.23	13.50	1.72	9.21	1.53	3.13	0.53	3.20	0.25	62.90	3.54	17.45	741.18	481.41		1.45
SMDH 00213	124.3	105.89	0.12	39.41	96.87	191.21	22.53	75.11	14.60	1.56	8.40	1.15	7.10	1.31	2.81	0.53	3.30	0.25	41.03	2.40	10.97	458.87	901.98		
SMDH 00213	107.0	88.09	0.12	35.91	76.61	160.99	18.55	62.40	12.30	1.56	6.92	1.03	6.10	1.21	2.70	0.53	3.20	0.25	35.13	2.40	9.32	386.46	510.71	0.77	
SMDH 00213	109.0	96.96	0.09	31.19	84.65	178.78	20.60	69.33	13.57	1.45	7.38	1.03	5.99	1.10	2.27	0.27	2.58	0.25	39.33	2.40	8.61	346.62	447.95		1.48
SMDH 00213	88.8	79.54	0.09	25.15	71.03	155.63	17.35	56.62	11.38	1.45	6.36	0.80	4.77	0.88	1.84	0.27	1.96	0.25	33.89	2.19	8.96	363.77	412.59		
SMDH 00213	103.8	97.83	0.09	25.75	88.37	185.73	21.20	70.49	13.68	1.45	7.60	0.92	5.22	0.88	1.84	0.27	1.96	0.25	37.63	2.19	9.55	392.54	444.66		
SMDH 00213	129.1	121.06	0.11	32.64	109.80	230.70	26.14	86.67	16.56	1.56	9.08	1.26	6.99	1.10	2.27	0.27	2.27	0.25	47.03	3.54	12.15	550.86	665.52	0.52	1.52
SMDH 00213	136.1	118.08	0.10	39.53	94.08	210.47	23.85	83.20	15.75	2.35	9.31	1.26	9.77	1.86	3.35	0.53	2.68	0.25	42.16	2.81	12.38	373.90	570.35		
SMDH 00213	124.8	119.59	0.10	27.20	97.34	213.64	24.46	86.67	15.29	2.46	9.31	1.03	7.44	1.31	2.38	0.27	1.86	0.25	43.63	2.19	13.09	387.14	554.22		
SMDH 00213	120.5	116.90	0.09	25.15	94.78	207.54	23.85	84.36	15.18	2.35	8.85	1.15	7.55	1.21	2.05	0.27	1.55	0.25	44.65	2.60	14.86	438.47	573.64		1.63

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00213b	160.9	138.53	0.18	48.96	112.36	265.31	28.19	100.30	17.02	1.56	11.24	1.49	8.54	1.86	3.67	0.74	4.03	0.60	51.57	4.17	14.13	572.60	468.24		
SMDH 00213b	173.0	152.45	0.12	48.72	123.77	260.19	30.84	107.47	18.51	2.68	11.46	1.61	12.54	2.30	4.00	0.64	2.99	0.25	48.05	4.48	17.22	507.50	597.74		
SMDH 00213b	184.1	156.63	0.12	56.82	136.00	274.82	31.92	109.78	18.74	2.57	11.69	1.61	13.32	2.63	4.97	0.74	3.82	0.50	46.35	4.17	15.68	454.95	485.05		1.45
SMDH 00213b	155.6	118.51	0.12	61.17	105.26	222.53	25.54	82.04	16.67	1.45	11.58	1.49	9.43	1.97	4.97	0.64	4.96	0.60	42.05	3.54	11.20	445.49	731.22		
SMDH 00213b	155.0	126.21	0.14	53.80	113.64	228.99	26.86	88.98	13.91	1.90	11.12	1.49	8.88	1.53	3.78	0.64	2.58	0.25	52.25	3.85	14.74	500.47	753.41	0.76	
SMDH 00213b	249.3	222.29	0.12	74.35	193.28	408.87	50.84	157.16	28.40	3.46	16.34	2.75	11.54	1.75	5.83	1.06	4.44	0.80	49.30	3.85	11.44	420.50	763.12		1.58
SMDH 00213b	139.8	105.53	0.13	55.61	96.99	197.06	22.77	73.96	13.68	1.45	8.85	1.15	7.66	1.42	3.24	0.53	3.51	0.50	51.57	5.31	16.39	504.66	738.67		
SMDH 00213b	141.1	121.74	0.14	43.76	111.08	238.99	26.26	86.67	14.83	1.90	10.33	1.49	7.32	1.21	2.92	0.27	2.38	0.25	54.06	3.96	16.63	652.98	1049.68		
SMDH 00213b	327.2	357.03	0.12	49.08	432.79	312.47	83.00	262.31	33.57	4.13	16.11	2.07	9.65	1.86	4.32	0.53	3.20	0.25	44.43	3.33	14.74	542.75	852.22	0.84	1.62
SMDH 00213b	154.3	134.87	0.09	46.67	119.81	242.89	29.03	95.91	17.36	1.79	12.48	1.49	8.43	1.53	4.21	0.64	4.44	0.25	35.93	3.02	12.38	350.26	592.88		
SMDH 00213b	133.8	116.82	0.12	38.81	92.68	209.62	23.61	85.63	14.37	1.79	8.51	1.15	6.44	1.53	2.70	0.27	2.79	0.50	38.19	2.71	9.06	540.05	391.44		
SMDH 00213b	99.5	82.48	0.12	34.58	79.87	167.21	19.28	56.62	12.07	1.68	9.65	1.03	5.55	1.31	3.35	0.53	3.10	0.25	34.91	1.98	16.51	548.42	624.09	0.48	
SMDH 00213b	149.5	126.86	0.13	48.84	115.85	235.70	28.07	88.98	17.25	1.90	11.46	1.38	8.43	1.53	3.57	0.64	4.03	0.60	49.53	2.92	14.51	377.41	1003.22		
SMDH 00214	164.2	146.45	0.09	48.72	135.88	282.86	32.53	104.00	21.73	1.56	13.85	1.38	8.54	1.42	4.65	0.53	3.61	0.70	45.56	3.44	13.92	400.65	581.96		1.42
SMDH 00214	125.1	116.03	0.09	34.09	98.97	246.30	26.14	83.20	15.06	1.12	10.33	1.03	5.66	1.31	2.92	0.27	3.10	0.25	45.11	2.60	14.27	402.00	767.63		
SMDH 00214	134.1	118.18	0.11	40.14	109.45	220.46	25.90	84.36	16.44	1.68	10.33	1.26	6.66	1.42	3.46	0.27	4.34	0.25	44.54	3.23	12.03	337.70	647.49	0.42	
SMDH 00214	126.6	104.82	0.11	44.49	105.49	209.49	24.21	72.80	15.75	1.45	8.74	1.26	6.55	1.42	5.08	0.64	4.23	0.50	37.06	2.50	12.26	342.16	667.77		1.48
SMDH 00214	134.3	104.80	0.13	49.93	93.26	188.78	21.93	73.96	13.22	1.45	10.21	1.15	7.77	1.75	4.65	0.74	4.96	0.60	44.88	2.92	12.38	360.26	698.98		
SMDH 00214	125.3	106.84	0.13	42.55	97.92	214.86	25.42	73.96	13.22	1.34	10.10	1.03	6.44	1.21	3.35	0.53	3.92	0.25	50.55	2.60	15.80	458.06	750.29		
SMDH 00214	125.0	98.47	0.11	46.91	89.42	185.49	21.56	69.33	14.03	1.23	8.62	0.80	6.77	1.64	5.29	0.27	5.27	0.60	45.22	2.81	12.15	365.39	650.78	0.36	1.51
SMDH 00214	132.5	104.62	0.11	49.08	90.94	191.94	22.53	73.96	13.91	1.34	9.76	1.15	6.99	1.53	4.43	0.53	4.34	0.60	39.89	3.44	12.85	380.39	635.53		
SMDH 00214b	132.8	100.68	0.12	51.26	91.63	195.72	20.48	73.96	13.45	1.34	9.42	0.92	5.33	1.31	3.24	0.64	3.61	0.25	31.85	5.73	15.68	470.75	485.40		
SMDH 00214b	194.7	182.70	0.11	49.69	167.90	354.40	39.51	134.04	19.89	1.79	14.87	1.38	7.77	1.53	3.89	0.64	3.72	0.25	66.98	5.52	18.51	552.21	715.10		1.51
SMDH 00214b	203.9	199.10	0.12	46.18	173.49	373.29	43.01	145.60	27.13	1.68	17.82	1.72	8.77	1.64	4.43	0.27	2.99	0.50	86.59	5.21	14.51	435.63	676.79	1.27	
SMDH 00214b	157.9	127.43	0.08	55.85	113.76	240.08	26.74	88.98	16.10	1.34	11.69	1.61	10.10	1.97	5.94	0.85	5.37	0.91	32.75	3.75	11.09	305.28	470.14		
SMDH 00214b	141.2	107.27	0.10	56.46	95.13	203.16	23.73	73.96	12.65	1.23	11.35	1.26	8.32	1.97	5.40	0.85	4.96	0.70	45.45	3.23	13.21	381.60	830.03		1.52
SMDH 00214b	173.5	137.04	0.13	60.81	110.96	233.38	26.62	85.51	17.82	2.23	11.35	15.03	9.88	2.08	6.70	1.06	6.61	0.70	42.84	3.12	13.80	390.92	940.46		
SMDH 00214b	166.9	117.12	0.11	69.27	84.65	182.68	20.84	70.49	15.64	1.34	9.08	14.80	10.99	2.30	7.35	1.17	6.09	1.01	37.74	2.92	10.73	317.84	873.37	0.76	
SMDH 00214b	125.9	99.39	0.10	46.30	83.02	173.42	20.48	62.40	13.68	0.67	8.62	9.41	7.10	1.86	5.19	0.85	5.16	0.70	35.59	2.29	12.26	379.84	793.11		1.46
SMDH 00215	92.6	94.87	0.12	16.93	95.36	190.24	20.96	65.87	10.35	1.79	6.92	5.05	3.00	0.77	1.84	0.27	1.45	0.25	33.66	1.46	12.26	334.32	583.00		
SMDH 00215	150.6	165.87	0.09	18.50	147.29	295.17	35.30	116.71	19.32	1.56	10.55	9.75	4.11	0.66	1.73	0.27	1.03	0.25	19.95	1.77	10.38	311.76	567.74		
SMDH 00215	35.4	31.75	0.09	9.67	44.94	76.53	6.87	20.80	5.29	0.89	3.18	2.52	1.55	0.27	0.86	0.27	0.72	0.25	12.01	1.15	5.90	141.70	394.39	0.91	1.69
SMDH 00215	83.1	79.33	0.10	19.22	71.84	145.76	16.75	53.16	10.69	1.34	6.13	6.54	2.89	0.66	1.94	0.27	1.76	0.25	35.13	1.35	9.08	244.36	686.84		
SMDH 00215	114.8	104.75	0.11	32.28	102.11	200.35	23.13	76.27	14.95	0.89	7.83	0.69	4.66	0.99	3.03	0.27	2.07	0.25	44.77	2.19	8.37	342.70	769.53		
SMDH 00215	102.7	87.84	0.12	32.76	79.41	159.89	19.15	63.56	11.84	1.23	6.01	0.69	4.44	0.77	2.16	0.27	2.17	0.25	32.75	2.50	6.01	246.66	647.84		1.58
SMDH 00215	135.8	110.41	0.10	49.45	100.48	206.20	24.82	78.58	13.45	0.78	10.55	0.80	6.21	1.31	3.67	0.74	3.82	0.80	41.82	3.02	8.49	322.03	832.63	0.45	
SMDH 00215	78.7	61.46	0.10	30.10	65.90	125.89	14.09	43.91	10.92	1.23	5.33	0.57	2.89	0.55	1.84	0.27	1.55	0.25	24.93	2.92	6.84	310.82	771.61		
SMDH 00215b	156.5	135.50	0.09	48.12	120.39	249.35	28.19	99.38	18.74	1.12	11.80	1.61	6.33	1.21	2.81	0.27	2.17	0.25	46.81	4.69	9.79	433.74	452.12		1.53
SMDH 00215b	119.9	104.06	0.10	37.72	101.30	198.77	23.37	75.11	15.18	1.45	9.87	0.92	4.66	0.88	2.27	0.27	1.65	0.25	39.21	3.75	8.96	391.46	556.48		
SMDH 00215b	82.5	77.01	0.09	22.24	83.95	156.36	18.19	55.47	10.35	1.45	6.81	0.57	2.77	0.27	0.65	0.27	0.52	0.25	28.90	3.02	8.37	340.81	502.22	2.13	
SMDH 00215b	12.0	10.15	0.11	4.23	14.67	35.71	2.65	6.93	1.61	0.28	1.70	0.29	0.28	0.27	0.27	0.27	0.26	0.25	32.30	0.26	9.32	341.35	347.58		1.64
SMDH 00215b	190.9	220.04	0.09	12.57	241.72	457.13	43.73	172.18	23.68	2.01	8.85	0.80	3.33	0.27	0.86	0.27	0.52	0.25	32.75	2.60	9.79	210.86	420.39		
SMDH 00215b	134.9	137.23	0.08	22.12	151.72	160.26	25.30	107.47	20.35	0.89	6.47	0.69	3.77	0.27	2.05	0.27	2.17	0.25	18.02	3.12	13.92	316.36	96.21		
SMDH 00215b	92.5	97.90	0.09	14.14	58.33	113.22	20.48	73.96	19.09	0.89	6.36	0.69	2.77	0.27	0.86	0.27	0.83	0.25	29.35	3.12	19.46	383.09	485.57	0.53	1.45
SMDH 00215b	126.3	131.92	0.09	22.12	82.90	151.12	28.67	98.22	24.49	0.89	7.72	1.03	3.99	0.27	1.51	0.27	1.86	0.25	29.58	4.06	14.15	295.96	454.54		
SMDH 00216	104.9	108.06	0.13	20.43	64.04	116.87	24.58	78.58	19.55	1.01	7.49	0.80	4.11	0.27	1.51	0.27	1.86	0.25	33.66	4.37	20.28	421.85	235.77		
SMDH 00216	194.6	209.61	0.10	27.20	121.79	212.05	43.37	158.31	37.37	1.12	11.46	1.49	6.44	0.27	2.05	0.27	1.96	0.25	58.93	5.21	16.75	410.10	225.02		1.73
SMDH 00216	264.1	286.85	0.08	36.99	166.85	318.08	61.20	214.93	54.38	1.45	16.34	1.95	8.77	0.27	2.70	0.27	2.17	0.25	66.53	5.83	12.26	260.43	183.07	0.57	
SMDH 00216	128.3	128.52	0.09	30.47	97.34	179.64	31.68	90.13	27.71	1.01	9.76	1.26	5.44	0.27	2.16	0.27	2.07	0.25	48.05	3.85	16.16	243.82	567.92		
SMDH 00216	76.7	71.97	0.17	18.74	62.18	135.52	15.06	52.12	9.43	1.01	6.36	0.80	3.99	0.66	1.40	0.27	1.14	0.25	23.46	2.60	20.35	400.11	290.37		
SMDH 00216	86.0	78.94	0.10	22.37	69.86	147.46	16.75	56.62	10.58	1.45	6.92	0.80	4.77	0.77	2.05	0.27	2.17	0.25	24.59	2.08	9.91	387.00	476.56	0.41	
SMDH 00216	66.1	64.45	0.11	13.78	58.10	119.43	13.61	47.38	8.74	1.45	5.11	0.57	2.89	0.55	1.30	0.27	1.03	0.25	21.65	1.67	12.03	464.54	560.46		1.58
SMDH 00216	73.9	70.74	0.09	17.29	64.85	136.49	15.54	50.84	9.43	1.45	5.22	0.80	3.55	0.27	1.40	0.27	1.76	0.25	17.23	1.98	10.26	431.18	380.35		
SMDH 00216	72.1	71.68	0.09	14.63	66.14	135.15	15.66	52.00	10.12	1.45	5.90	0.69	3.33	0.55	1.08	0.27	1.34	0.25	20.97	1.98	8.49	386.33	569.82		
SMDH 00216	73.1	73.65	0.13	13.78	62.88	133.08	15.54	54.31	10.35	1.23	5.67	0.69	3.11	0.27	1.19	0.27	0.93	0.25	29.47	1.98	13.21	577.06	656.68	0.34	1.55
SMDH 00216	77.4	75.14	0.12	16.93	74.98	139.91	16.14	54.31	10.12	1.45	6.58	0.80	3.88	0.55	1.40	0.27	1.45	0.25	22.33	2.08	15.80	721.19	787.04		
SMDH 00216	79.9	75.94	0.11	18.62	71.26	143.44	15.90	55.47	10.00	1.23	6.13	0.69	3.88	0.77	1.40	0.27	1.55	0.25	26.52	1.98	13.56	702.01	686.49		
SMDH 00216	79.7	80.63	0.13	12.45	49.14	100.18	14.46	63.56	13.11	1.12	4.88	0.29	2.33	0.27	0.86	0.27	1.14	0.25	28.11	1.87	17.69	239.36	922.09		1.56
SMDH 00216	141.0	146.88	0.13	19.95	82.67	156.36	27.35	114.40	22.65	1.56	7.94	0.92	4.22	0.66	1.51	0.27	1.24	0.25	48.05	3.02	18.04	263.00	781.67	0.16	
SMDH 00216b	84.2	80.24	0.12	18.86	68.58	154.04	16.26	59.51	10.92	1.34	6.24	0.80	3.66	0.66	1.40	0.27	1.55	0.25	27.09	2.60	14.27	295.83	327.30		1.59
SMDH 00216b	47.1	40.82	0.09	12.69	19.91	32.78	7.23	31.20	6.90	0.78	2.72	0.29	2.11	0.27	0.97	0.27	1.14	0.25	8.27	2.81	7.90	111.44	541.39		1.35
SMDH 00216b	23.9	14.67	0.07	11.36	5.59	9.75	2.65	10.40	3.68	0.56	1.25	0.29	1.33	0.27	0.86	0.27	1.03	0.25	2.27	3.85	7.90	98.47	471.18		
SMDH 00216b	64.8	66.24	0.11	9.55	36.21	66.30	12.29	52.00	9.54	1.34	3.52	0.29	1.66	0.27	0.76	0.27	0.83	0.25	19.49	2.29	53.54	1025.93	684.93	0.54	
SMDH 00216b	57.9	58.68	0.13	9.91	32.95	63.13	11.44	45.07	8.97	0.78	3.18	0.29	1.89	0.27	0.76	0.27	0.62	0.25	24.37	2.19	50.59	894.36	547.64		1.77
SMDH 00216b	63.5	65.08	0.10	9.79	39.24	76.17	12.29	50.84	9.20	0.89	3.06	0.29	1.66	0.27	0.76	0.27	0.72	0.25	29.47	1.87	45.64	805.75	563.24		
SMDH 00216b	96.3	82.57	0.16	29.98	69.05	143.68	17.59	59.51	10.00	1.34	6.47	0.92	4.55	0.99	2.49	0.27	1.45	0.25	26.97	3.85	12.29	58.22	389.19		1.60
SMDH 00216b	73.1	61.17	0.11	21.88	45.88	86.89	11.08	45.07	8.05	1.12	5.22	0.69	4.33	0.77	1.73	0.27	2.17	0.25	20.97	2.29	31.01	710.12	851.01	0.67	1.55
SMDH 00216b	79.7	64.49	0.13	27.81	62.64	123.21	13.73	45.07	8.05	1.12	7.04	0.80	4.88	0.88	2.16	0.27	2.27	0.25	24.93	2.29	41.16	1169.52	623.05		
SMDH 00216b	78.6	70.09	0.12	21.28	65.20	120.04	14.34	50.84	8.85	1.56	6.58	0.80	4.11	0.77	1.62	0.27	2.07	0.25	26.18	2.40	44.46	1122.78	964.39		
SMDH 00216b	74.4	56.30	0.13	28.17	45.64	90.31	11.32	39.29	8.05	1.23	6.58	0.80	4.88	0.99	2.49	0.27	2.99	0.25	18.36	1.77	33.14	772.93	883.43		1.45
SMDH 00216b	78.9	64.58	0.20	26.23	53.68	109.07	13.49	45.07	8.28	1.56	6.70	0.92	5.10	0.88	2.70	0.27	1.76	0.25	18.47	1.35	6.72	792.78	601.20	0.83	
SMDH 00216b	100.4	74.11	0.29	39.17	62.29	124.79	14.58	50.84	10.12	1.68	8.85	1.15	7.55	1.31	4.11	0.53	3.20	0.60	20.74	1.98	7.90	637.04	854.48		
SMDH 00216b	84.8	70.34	0.14	28.29	64.16	131.74	15.18	49.69	10.23	1.34	6.47	0.92	4.55	0.99	3.03	0.27	2.38	0.25	23.91	2.40	12.85	715.65	645.41		1.54
SMDH 00216b	76.7	77.86	0.08	15.11	71.96	146.00	17.59	55.47	11.50	1.34	7.26	0.92	3.88	0.27	1.51	0.27	0.93	0.25	27.09	2.19	6.49	399.03	731.57		
SMDH 00217	76.6	72.33	0.09	17.29	62.18	135.40	14.70	53.50	9.20	1.68	5.45	0.69	3.44	0.66	1.40	0.27	1.24	0.25	20.40	2.08	22.54	415.10	457.66		
SMDH 00217	138.4	158.82	0.13	15.72	203.53	375.24	38.79	115.56	16.44	2.68	9.76	0.92	3.55	0.55	1.62	0.27	0.93	0.25	31.17	1.98	9.91	490.34	850.84		1.41

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00217	101.9	89.89	0.14	29.98	80.81	180.61	19.52	63.90	12.42	1.56	7.72	1.03	5.44	1.10	1.94	0.27	2.07	0.25	31.96	3.85	3.07	398.76	485.05		
SMDH 00217	87.5	70.90	0.14	30.83	67.18	135.03	15.30	49.69	9.43	1.12	6.13	0.92	4.99	0.99	3.35	0.27	2.17	0.25	24.14	2.50	9.55	452.92	413.28		
SMDH 00217	79.1	77.38	0.13	17.65	74.75	154.29	17.23	55.47	10.35	1.34	7.04	0.80	3.88	0.66	1.62	0.27	1.14	0.25	27.54	2.50	9.20	459.54	620.97	0.74	1.51
SMDH 00217	85.1	90.26	0.09	14.63	84.88	177.81	21.08	64.71	11.73	1.34	7.38	0.92	3.55	0.55	1.40	0.27	0.72	0.25	33.09	2.71	6.60	322.17	687.36		
SMDH 00217	65.4	64.07	0.13	12.94	60.90	120.65	13.01	47.38	8.85	1.45	4.88	0.57	3.11	0.27	1.30	0.27	0.93	0.25	19.72	1.67	8.61	427.53	656.85		
SMDH 00217	69.9	60.08	0.14	21.16	56.94	111.63	12.53	42.76	7.13	1.23	5.11	0.69	4.11	0.66	1.94	0.27	1.55	0.25	20.29	1.77	6.84	392.54	518.86		1.47
SMDH 00217	54.7	47.55	0.11	16.32	45.06	93.60	10.36	33.51	6.44	1.23	4.20	0.57	3.11	0.27	1.51	0.27	1.14	0.25	16.89	1.77	7.67	391.33	411.38	0.44	
SMDH 00217b	104.7	104.27	0.11	20.91	98.39	205.47	22.65	76.27	12.65	2.12	7.94	0.92	4.44	0.77	2.05	0.27	1.55	0.25	37.63	2.60	8.61	413.61	560.64		
SMDH 00217b	95.3	113.31	0.07	12.33	165.22	324.05	33.13	76.27	14.14	2.79	7.26	0.92	3.00	0.27	1.19	0.27	0.72	0.25	27.31	1.25	5.42	263.95	392.31		1.62
SMDH 00217b	67.6	63.85	0.05	15.47	59.15	122.84	13.61	46.22	9.31	1.90	5.79	0.69	3.33	0.27	1.40	0.27	1.03	0.25	21.65	0.94	2.00	134.54	169.54		
SMDH 00217b	50.6	47.11	0.07	11.97	40.05	90.55	10.00	34.20	6.32	1.56	3.86	0.57	2.33	0.27	0.65	0.27	0.26	0.25	23.23	2.92	3.43	160.61	135.74		
SMDH 00217b	44.4	36.22	0.05	14.02	35.75	69.47	8.07	25.42	5.86	2.23	3.29	0.29	2.44	0.27	1.30	0.27	1.03	0.25	38.42	1.25	3.54	170.07	363.18		1.24
SMDH 00217b	89.2	93.22	0.05	13.90	88.49	182.19	20.36	68.18	12.65	2.46	7.72	0.80	3.88	0.27	1.08	0.27	0.26	0.25	33.43	1.35	2.48	138.32	245.47		
SMDH 00217b	135.4	135.28	0.09	26.72	113.29	248.98	28.91	98.22	19.32	2.35	12.37	1.38	6.77	0.99	2.27	0.27	1.03	0.25	53.27	5.10	1.65	100.23	661.88	0.90	1.65
SMDH 00217b	85.5	71.33	0.14	27.32	61.94	132.59	15.06	49.69	11.27	1.90	7.72	1.03	5.55	0.99	2.49	0.27	1.96	0.25	22.78	1.35	1.06	83.88	1128.56		
SMDH 00218	128.9	115.71	0.13	36.39	106.54	221.92	24.70	83.20	14.26	1.45	9.76	1.26	6.55	1.21	3.78	0.53	3.10	0.50	43.52	3.33	9.32	422.40	452.46		
SMDH 00218	225.5	126.00	0.23	120.53	92.10	191.21	23.01	82.04	18.51	2.01	15.66	2.64	18.31	3.94	12.64	1.70	10.95	1.41	29.69	3.44	3.89	372.42	733.30		1.41
SMDH 00218	181.6	106.53	0.23	93.81	81.97	168.67	20.00	70.49	15.06	1.23	12.03	1.95	14.09	3.07	10.05	1.27	9.19	1.31	28.90	4.17	7.67	358.23	761.90	1.61	
SMDH 00218	210.7	184.37	0.16	64.92	220.41	401.56	41.08	130.58	21.16	2.46	13.16	1.72	10.99	2.08	6.48	0.96	6.20	0.91	45.79	6.04	6.84	351.48	765.89		
SMDH 00218	123.4	98.41	0.14	44.37	92.10	185.49	20.60	69.33	13.22	1.23	9.87	1.15	7.32	1.42	4.54	0.53	3.51	0.25	32.98	3.33	5.42	279.21	539.66		1.42
SMDH 00218	90.8	73.64	0.09	31.43	64.27	138.81	15.18	52.00	10.12	0.89	6.81	0.80	5.66	0.99	3.03	0.27	2.48	0.25	23.91	1.67	3.54	205.19	372.20		
SMDH 00218	124.6	105.67	0.11	40.02	96.06	206.93	22.41	75.23	13.57	1.34	9.31	1.26	6.77	1.42	3.03	0.53	3.92	0.50	39.10	4.48	4.72	377.95	560.46		
SMDH 00218	118.0	126.18	0.05	17.29	125.40	271.77	27.71	92.44	17.36	2.23	9.99	1.15	4.88	0.27	1.19	0.27	0.62	0.25	53.27	2.19	2.83	140.48	287.08		1.59
SMDH 00218	115.7	121.29	0.06	19.10	113.87	240.08	26.62	88.98	15.52	1.90	9.87	1.03	4.66	0.66	1.40	0.27	0.62	0.25	46.24	2.08	4.13	205.59	360.58		
SMDH 00218	133.3	114.96	0.16	41.23	104.09	225.95	24.21	82.04	15.52	1.34	10.55	1.38	7.32	1.21	3.67	0.27	3.20	0.25	42.61	2.92	6.84	337.16	610.22		
SMDH 00218	70.6	43.41	0.37	33.73	30.51	70.44	7.95	28.89	6.55	1.45	5.33	0.80	5.77	1.10	3.35	0.27	2.68	0.50	9.41	1.56	3.66	177.63	1044.82	1.89	1.64
SMDH 00218	124.5	103.80	0.16	42.19	96.06	207.18	22.53	72.80	13.80	1.01	9.19	1.26	7.21	1.21	4.11	0.64	4.13	0.50	36.04	2.81	8.25	375.39	526.14		
SMDH 00218	89.3	73.20	0.12	29.86	63.22	138.69	15.18	52.00	8.74	1.45	6.13	0.92	5.10	0.99	3.13	0.27	2.27	0.25	24.37	1.56	4.72	238.42	426.98		
SMDH 00218	154.0	121.36	0.20	55.85	122.96	239.11	24.82	85.51	14.03	1.56	9.08	1.38	9.65	1.86	5.19	0.74	5.37	0.80	31.85	3.12	7.08	359.99	731.74		1.48
SMDH 00218	88.6	62.52	0.20	36.75	51.00	103.22	11.81	43.91	8.16	1.12	6.47	0.92	5.88	1.21	3.24	0.27	3.20	0.25	16.55	2.29	4.48	240.85	601.20	1.34	
SMDH 00218	154.1	131.41	0.17	47.63	115.74	233.62	26.50	94.76	15.75	1.56	11.35	1.49	8.66	1.64	4.65	0.74	4.44	0.50	41.48	3.02	0.29	361.61	566.88		
SMDH 00218	175.3	126.16	0.20	73.14	104.68	216.44	25.30	87.82	15.18	1.34	11.24	1.72	11.32	2.63	7.46	1.17	7.54	1.31	38.42	2.81	7.31	367.55	564.45		1.52
SMDH 00218	143.2	103.77	0.20	59.00	93.96	191.82	20.60	72.80	13.11	1.01	8.51	1.38	8.99	1.86	5.51	0.85	5.37	0.91	31.73	3.96	7.90	388.49	659.62		
SMDH 00218b	43.7	38.33	0.07	12.21	34.35	71.29	8.43	27.50	5.63	1.56	3.40	0.29	2.11	0.27	0.86	0.27	0.72	0.25	14.17	4.27	6.32	246.25	268.88		1.67
SMDH 00218b	23.7	20.51	0.06	5.80	17.81	30.83	3.98	15.02	2.07	1.34	1.48	0.29	1.22	0.27	0.54	0.27	0.72	0.25	5.10	0.73	4.13	224.91	278.58		1.74
SMDH 00218b	15.0	10.04	0.05	5.68	11.06	17.91	1.93	6.93	1.49	1.23	0.91	0.29	0.89	0.27	0.27	0.27	0.52	0.25	2.38	0.52	2.83	159.39	212.19		
SMDH 00218b	22.9	17.15	0.06	8.10	19.44	33.39	3.98	11.56	2.53	1.68	1.59	0.29	1.33	0.27	0.65	0.27	0.72	0.25	3.51	0.62	2.00	126.03	245.47		
SMDH 00218b	29.3	24.11	0.09	8.34	22.01	39.73	4.94	17.33	3.56	1.79	2.16	0.29	1.55	0.27	0.76	0.27	0.62	0.25	3.97	0.83	3.89	222.21	447.26	1.24	1.66
SMDH 00218b	20.6	17.60	0.05	5.08	15.84	32.30	3.49	12.71	2.53	1.45	1.70	0.29	1.11	0.27	0.27	0.27	0.26	0.25	5.67	0.26	4.36	222.88	169.54		
SMDH 00218b	24.0	17.00	0.06	9.19	17.00	29.98	3.49	11.56	2.30	1.34	1.48	0.29	1.66	0.27	0.86	0.27	0.93	0.25	3.74	0.62	5.19	298.39	226.92		
SMDH 00218b	29.3	21.20	0.10	11.00	21.54	42.41	4.34	15.02	2.87	1.45	1.93	0.29	1.55	0.27	1.08	0.27	1.03	0.25	6.91	1.04	14.15	740.91	521.98		1.58
SMDH 00218b	89.1	100.92	0.09	10.03	134.13	251.17	24.46	73.96	9.43	2.57	5.67	0.29	2.22	0.27	0.86	0.27	0.72	0.25	12.81	1.04	8.84	479.26	464.60	1.00	
SMDH 00219	73.7	70.27	0.06	15.96	64.97	143.81	14.58	52.12	10.00	2.01	5.79	0.69	2.89	0.66	0.97	0.27	0.26	0.25	28.11	4.06	5.11	341.75	316.20		
SMDH 00219	86.0	90.35	0.06	12.45	99.67	194.63	19.76	67.02	10.00	2.90	6.24	0.69	2.89	0.27	1.08	0.27	0.62	0.25	20.85	0.83	3.66	194.11	249.63		1.64
SMDH 00219	55.9	56.98	0.05	9.55	55.07	114.56	12.65	41.60	7.70	2.01	4.65	0.29	2.44	0.27	0.86	0.27	0.52	0.25	20.40	0.83	2.12	131.84	181.50		
SMDH 00219	141.0	162.61	0.05	13.66	215.64	399.00	38.67	119.02	17.25	3.35	9.53	1.03	3.88	0.27	1.40	0.27	0.52	0.25	26.75	1.04	2.59	155.07	216.18	0.91	
SMDH 00219	64.8	67.84	0.05	10.64	72.54	123.45	15.42	49.69	8.39	1.79	4.88	0.29	2.44	0.27	0.86	0.27	0.62	0.25	22.10	0.94	2.24	141.29	179.25		1.48
SMDH 00219	145.4	164.13	0.05	17.89	207.26	352.08	39.63	119.02	20.70	3.02	10.21	1.15	4.33	0.66	1.51	0.27	0.93	0.25	40.57	1.46	2.00	126.71	200.75		
SMDH 00219	57.0	54.79	0.04	13.54	54.84	100.42	12.77	39.29	7.01	1.45	5.56	0.29	2.44	0.27	1.19	0.27	1.14	0.25	19.27	2.08	2.12	106.04	137.82		
SMDH 00219	68.0	58.60	0.05	20.79	57.17	101.64	13.13	40.44	7.70	1.79	5.79	0.80	4.22	0.77	1.94	0.27	2.07	0.25	20.29	1.15	2.36	124.41	131.23	0.93	1.55
SMDH 00219b	78.3	70.47	0.05	21.40	64.27	129.79	14.46	52.00	8.85	0.89	6.13	0.57	3.44	0.66	2.05	0.27	1.55	0.25	27.65	2.08	6.37	345.80	219.47		
SMDH 00219b	84.6	81.46	0.08	19.83	84.42	150.87	17.95	58.93	11.61	1.23	6.58	0.80	3.77	0.66	1.73	0.27	1.45	0.25	27.99	1.87	6.49	348.10	279.63		
SMDH 00219b	72.7	78.67	0.10	11.24	85.93	154.90	18.91	56.62	9.89	1.68	7.04	0.69	2.44	0.27	0.76	0.27	0.83	0.25	31.96	1.77	9.32	481.15	472.40		1.52
SMDH 00219b	73.0	74.26	0.12	13.66	73.35	142.95	16.26	54.31	10.69	1.34	5.90	0.69	3.00	0.27	1.40	0.27	0.93	0.25	27.20	1.35	10.02	425.23	490.77		
SMDH 00219b	196.6	226.25	0.14	20.67	283.40	509.78	53.49	166.40	24.83	3.13	13.05	1.03	5.33	0.66	2.27	0.27	1.34	0.25	59.61	1.98	14.15	569.23	961.44		1.50
SMDH 00219b	162.9	167.70	0.32	30.22	185.60	339.28	38.07	122.49	18.63	3.02	10.67	1.26	5.88	1.10	3.24	0.27	2.68	0.60	42.16	3.02	21.70	946.37	1329.13		
SMDH 00219b	195.4	130.77	0.30	89.46	130.87	247.76	27.23	91.29	14.95	2.35	10.10	1.49	10.76	3.07	11.99	1.80	12.81	2.31	34.57	2.81	24.06	1015.80	1114.17	0.79	
SMDH 00219b	318.6	136.89	0.44	204.55	113.99	220.71	25.06	86.67	15.06	2.23	13.96	2.52	22.64	6.68	30.36	4.35	32.22	5.84	26.41	3.02	30.54	1243.82	1180.39		1.60
SMDH 00219b	209.0	156.43	0.02	83.54	162.66	297.36	33.73	109.78	15.87	2.79	11.58	1.49	11.43	2.74	13.51	1.80	13.94	2.62	34.23	0.94	23.59	1045.52	1356.17		
SMDH 00220	114.1	83.49	0.34	46.06	73.59	145.27	17.35	57.78	11.15	1.90	8.62	1.26	7.10	1.75	5.94	0.85	5.37	1.01	21.99	1.35	11.20	493.45	2086.35		
SMDH 00220	66.3	32.89	0.33	35.78	14.90	38.51	5.06	20.92	5.75	2.68	5.11	0.92	5.99	1.31	2.81	0.27	2.68	0.25	2.83	2.19	1.63	331.49	1136.36		
SMDH 00220	62.0	29.64	0.49	35.18	13.39	33.51	4.46	18.72	5.52	1.68	4.99	0.80	5.66	1.31	2.70	0.27	2.58	0.25	2.49	2.40	2.55	402.27	1108.62		
SMDH 00220b	134.0	120.87	0.22	38.20	120.63	239.84	26.50	86.67	14.49	1.45	9.19	1.26	6.44	1.42	4.54	0.53	4.03	0.50	46.01	2.40	15.09	689.85	1176.40		
SMDH 00220b	87.0	81.68	0.13	22.12	80.69	157.46	17.95	58.93	10.00	1.12	6.24	0.69	4.11	0.88	2.38	0.27	2.38	0.25	30.49	1.87	10.85	506.41	792.42		1.31
SMDH 00220b	122.3	108.94	0.17	34.82	97.81	193.77	22.89	78.58	14.14	1.45	8.40	1.15	6.33	1.10	4.11	0.27	2.99	0.25	38.99	3.23	11.56	517.36	767.80	1.72	
SMDH 00220b	105.8	101.94	0.15	25.15	99.90	206.20	22.89	72.80	13.34	1.56	8.74	1.15	5.10	0.88	2.38	0.27	1.65	0.25	39.21	3.02	12.50	520.73	748.38		
SMDH 00220b	131.8	101.78	0.20	49.81	92.33	191.21	21.32	71.64	13.80	1.56	9.65	1.26	7.55	1.75	5.94	0.74	5.16	0.50	36.04	3.02	10.38	472.37	828.30		1.34
SMDH 00220b	142.9	121.10	0.23	45.58	108.63	223.02	25.66	85.51	15.98	1.90	10.10	1.61	8.32	1.75	5.08	0.53	4.23	0.25	45.56	3.64	15.57	686.34	737.46		
SMDH 00220b	116.4	99.73	0.18	35.66	89.07	181.83	20.36	72.80	11.04	1.34	8.28	0.80	5.77	1.21	4.21	0.53	4.03	0.50	34.45	1.87	10.85	522.62	824.14	0.82	
SMDH 00220b	116.7	103.50	0.17	33.97	99.20	202.30	22.41	73.96	14.14	1.68	8.85	1.03	6.10	0.99	3.89	0.27	3.30	0.25	38.87	1.98	10.26	490.21	755.32		1.55
SMDH 00220b	119.4	105.32	0.16	34.45	106.77	205.84	22.41	75.11	12.53	2.01	8.28	1.15	6.66	1.21	3.67	0.53	4.03	0.50	36.95	1.98	9.08	436.98	865.40		
SMDH 00221	144.7	144.00	0.09	29.14	135.41	265.19	30.00	106.31	15.87	1.56	10.89	1.15	6.55	1.21	3.03	0.27	2.89	0.25	57.12	2.71	16.75	809.40	491.99		
SMDH 00221	170.4	165.95	0.14	35.91	144.15	286.88	33.49	123.64	20.24	2.01	12.37	1.49	7.32	1.31	4.11	0.53	3.51	0.25	61.09	3.23	21.93	998.24	834.71	1.70	1.62
SMDH 00221	70.2	55.81	0.27	22.85	51.00	96.52	10.72	39.29	7.24	2.23	5.79	0.80	4.99	0.77	1.94	0.27	2.38	0.25	10.20	0.94	22.64	1097.53	1630.42		
SMDH 00221	76.7	71.40	0.33	17.41	81.85	148.07	14.94	52.00	7.70	2.79	5.22	0.69	3.77	0.55	1.40	0.27	1.45	0.25	14.05	0.62	15.21	732.00	2132.12		
SMDH 00221	62.8	50.02	0.27	20.31	53.91	88.36	10.00	34.67	5.40	2.46	4.77	0.80	4.55	0.66	1.73	0.27	1.45	0.25	6.35	0.52	20.52	950.83	1856.31		1.49

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00221	82.7	59.16	0.32	31.07	45.88	95.55	10.24	40.44	8.74	2.68	7.72	1.15	7.32	0.99	2.38	0.27	1.96	0.25	2.27	0.62	20.52	1075.78	2026.89	1.33	
SMDH 00221	100.2	59.36	0.30	48.36	44.94	88.72	10.00	40.44	8.62	2.46	6.58	1.15	7.77	1.53	5.62	0.74	5.47	0.60	6.69	1.15	18.40	902.74	1675.15		
SMDH 00221	118.3	106.51	0.19	33.00	105.14	205.23	23.37	75.11	14.95	2.12	9.65	1.26	6.77	0.99	2.92	0.27	1.65	0.25	28.33	1.25	15.33	667.84	917.41		1.43
SMDH 00221	107.6	97.39	0.18	28.77	87.56	177.20	20.36	69.33	13.68	1.79	8.28	1.15	6.55	0.99	2.59	0.27	1.86	0.25	25.61	1.46	11.67	515.33	1018.82		
SMDH 00017	77.2	72.29	0.09	18.74	76.27	146.24	16.38	52.00	9.66	2.57	5.56	0.69	3.22	0.27	1.73	0.27	1.24	0.25	19.49	0.83	2.24	129.14	370.64	0.76	
SMDH 00017	29.0	26.94	0.05	6.04	28.64	52.89	5.90	19.64	3.33	1.90	1.82	0.29	1.11	0.27	0.54	0.27	0.26	0.25	8.05	0.26	2.24	131.30	417.44		1.51
SMDH 00017	44.2	46.52	0.04	5.68	49.37	95.06	10.12	34.67	6.55	2.12	2.95	0.29	1.44	0.27	0.65	0.27	0.26	0.25	18.47	0.26	1.53	84.56	217.39		
SMDH 00017	55.5	59.46	0.06	7.62	60.20	117.12	13.37	43.91	7.47	1.79	3.86	0.29	1.89	0.27	0.65	0.27	0.26	0.25	22.67	0.83	3.54	158.45	345.33		
SMDH 00017	96.9	93.32	0.09	21.52	91.75	180.37	20.24	68.18	11.61	2.35	6.47	0.69	4.22	0.66	2.16	0.27	2.17	0.25	33.43	1.35	7.55	354.04	534.81	1.20	1.61
SMDH 00017	72.5	76.39	0.09	12.09	77.08	151.85	17.47	55.47	9.20	1.45	5.90	0.57	2.89	0.27	1.19	0.27	0.62	0.25	30.60	1.15	8.84	376.87	646.97		
SMDH 00017	116.1	93.66	0.15	40.50	86.16	173.18	19.88	65.87	11.84	1.79	7.94	1.03	6.88	1.31	4.65	0.53	3.72	0.60	34.23	1.87	8.37	346.62	639.17		
SMDH 00017	106.3	84.36	0.16	38.20	76.15	153.19	18.07	58.93	12.19	1.79	8.06	1.03	6.33	1.10	3.67	0.53	3.41	0.50	29.69	1.77	10.14	429.42	780.45		1.45
SMDH 00017	92.3	80.53	0.12	27.44	70.68	140.52	17.11	56.62	10.92	1.45	7.72	0.92	5.88	0.88	2.38	0.27	2.48	0.25	27.20	1.67	7.78	374.71	637.61	0.78	
SMDH 00017	138.3	124.14	0.16	39.77	133.09	253.24	27.95	87.82	15.41	2.35	10.55	1.38	6.99	1.31	4.21	0.53	3.41	0.50	29.92	1.67	8.73	385.65	875.11		
SMDH 00016b	91.8	75.64	0.10	30.71	66.60	145.88	15.90	53.16	10.46	1.34	7.60	0.92	5.66	0.99	3.13	0.27	2.48	0.25	26.97	1.56	7.19	338.24	629.98		1.67
SMDH 00016b	72.3	67.71	0.09	17.89	64.74	119.31	14.94	48.53	9.66	1.68	6.01	0.69	3.55	0.55	1.40	0.27	1.14	0.25	22.33	0.94	6.13	307.85	774.21		
SMDH 00016b	84.6	96.31	0.09	8.70	99.90	198.89	22.05	71.64	11.84	1.68	6.81	0.29	2.33	0.27	0.86	0.27	0.26	0.25	40.80	1.04	5.19	243.55	553.88	1.23	
SMDH 00016b	88.1	100.21	0.09	8.34	101.07	203.64	22.53	75.11	12.07	2.12	7.15	0.57	2.00	0.27	0.86	0.27	0.26	0.25	39.89	1.25	5.90	282.18	515.56		
SMDH 00016b	63.1	68.58	0.07	7.98	69.16	134.18	15.78	50.84	8.16	2.35	4.43	0.29	1.66	0.27	0.65	0.27	0.52	0.25	25.61	0.62	1.65	103.47	299.04		
SMDH 00016b	96.8	90.99	0.16	23.82	86.28	175.98	19.88	65.87	11.84	1.90	7.72	1.03	4.22	0.77	2.49	0.27	1.55	0.25	32.30	1.67	8.25	362.55	660.49	0.99	1.52
SMDH 00016b	125.4	127.70	0.14	24.06	116.55	238.86	28.07	93.60	15.98	1.68	10.10	1.03	4.99	0.77	2.59	0.27	1.86	0.25	48.73	2.29	10.50	421.58	831.42		
SMDH 00016b	129.6	131.54	0.16	25.51	123.19	251.17	29.27	95.91	16.90	1.79	10.89	1.03	5.33	0.88	2.81	0.27	2.27	0.25	50.66	2.60	14.03	588.41	675.75		
SMDH 00016b	115.7	117.41	0.13	22.00	108.17	220.10	25.06	86.67	14.72	1.34	8.97	0.92	4.77	0.77	2.38	0.27	1.76	0.25	45.33	2.29	10.50	461.97	681.99		1.43
SMDH 00016b	78.5	53.94	0.13	34.45	44.25	92.62	11.20	35.82	6.90	1.34	6.13	0.92	5.99	1.10	3.46	0.27	2.48	0.25	12.47	1.04	7.90	358.37	584.21	0.82	
SMDH 00016b	92.0	69.27	0.17	34.58	54.14	108.46	13.49	48.53	8.51	1.68	7.38	0.92	6.33	1.21	3.89	0.53	2.79	0.25	17.34	1.04	8.37	340.27	709.38		
SMDH 00016b	83.1	72.89	0.12	24.06	60.43	124.92	15.54	52.00	10.46	1.68	6.24	0.80	4.55	0.88	2.59	0.27	1.76	0.25	23.57	1.25	6.60	282.72	637.61		1.52
SMDH 00016b	80.4	73.61	0.13	21.16	65.20	132.11	15.66	53.16	9.66	1.34	6.13	0.69	4.11	0.66	2.38	0.27	1.76	0.25	26.86	1.35	8.84	341.35	583.69		
SMDH 00016	94.8	101.31	0.08	14.63	114.81	230.46	22.41	75.11	11.50	1.23	7.04	0.69	3.11	0.27	1.40	0.27	1.14	0.25	30.26	1.87	5.42	231.80	306.50	0.42	
SMDH 00016	120.2	121.84	0.10	24.90	148.69	282.74	29.15	86.67	13.80	2.57	7.83	0.92	5.10	0.88	2.70	0.27	2.17	0.25	22.89	2.81	8.49	331.76	415.71		1.56
SMDH 00016	63.4	48.11	0.07	24.30	46.46	78.12	10.36	33.51	7.24	1.34	4.88	0.69	3.55	0.66	2.16	0.27	1.34	0.25	13.94	2.71	10.26	378.09	585.43		
SMDH 00016	54.7	46.03	0.06	17.65	42.62	85.55	9.88	32.36	6.90	0.89	4.43	0.69	3.11	0.55	1.73	0.27	1.34	0.25	14.62	3.85	8.61	330.41	409.30		
SMDH 00016	154.8	87.10	0.20	83.54	75.22	151.61	17.23	56.62	10.12	1.34	7.38	1.49	11.76	2.85	6.92	1.38	10.95	0.91	25.05	3.44	16.39	632.71	842.00	0.91	1.42
SMDH 00016	230.3	185.54	0.27	79.79	181.52	351.47	37.95	132.89	19.20	2.90	11.58	1.72	12.98	2.74	7.13	1.38	11.67	1.11	43.52	1.35	23.70	946.64	1512.71		
SMDH 00016	194.5	122.17	0.27	94.18	109.80	216.93	24.09	82.04	12.65	2.23	9.31	1.72	14.32	3.29	8.86	1.70	13.53	1.31	26.29	1.25	20.87	859.24	1157.85		
SMDH 00016	165.5	128.06	0.28	62.14	132.50	252.39	27.23	90.13	13.80	2.57	9.08	1.49	9.21	2.08	5.19	0.96	7.02	0.80	24.37	1.15	24.06	1000.54	1333.64		1.72
SMDH 00016	174.0	92.32	0.25	96.35	81.85	162.09	16.87	60.09	9.08	2.23	8.06	1.61	13.76	3.29	7.89	1.49	12.08	1.11	17.11	1.25	21.34	877.34	1035.29	0.59	
SMDH 00015b	156.2	142.74	0.15	42.19	158.24	290.90	31.20	102.84	16.21	2.46	9.31	1.26	7.44	1.42	3.46	0.64	4.65	0.25	32.98	1.87	10.61	442.66	810.79		
SMDH 00015b	99.2	99.14	0.09	20.07	85.70	202.55	21.20	72.80	11.73	1.23	7.04	0.92	4.22	0.66	1.51	0.27	2.38	0.25	46.92	1.77	5.66	238.55	476.21		1.62
SMDH 00015b	102.9	90.90	0.11	28.53	79.76	164.65	18.19	67.02	11.61	1.68	6.24	0.80	4.88	0.99	2.16	0.27	3.10	0.25	31.17	1.67	7.90	337.29	498.06		
SMDH 00015b	64.4	67.51	0.10	10.88	64.16	129.67	15.54	49.69	8.05	1.56	5.22	0.29	2.00	0.27	1.08	0.27	1.03	0.25	26.07	1.04	8.49	376.20	781.67	1.36	
SMDH 00015b	78.1	83.98	0.09	11.24	74.05	157.21	19.15	61.24	10.46	2.01	7.26	0.80	2.77	0.27	1.08	0.27	0.52	0.25	31.62	1.56	6.84	306.90	912.38		1.67
SMDH 00015b	97.8	82.41	0.16	31.19	66.83	140.88	17.23	58.93	11.04	1.45	7.26	0.92	5.33	0.99	3.35	0.27	2.79	0.25	29.92	2.19	7.08	300.69	588.55		
SMDH 00015b	139.4	111.84	0.16	48.96	92.10	193.16	22.89	78.58	16.44	1.45	10.89	1.49	8.88	1.64	5.40	0.64	4.44	0.60	41.93	3.64	11.20	450.90	636.39		
SMDH 00015b	140.2	102.04	0.17	57.55	83.83	174.15	20.96	70.49	14.26	1.56	9.65	1.38	9.21	1.97	6.70	0.85	5.27	0.70	37.97	2.92	9.08	394.16	559.08	0.41	1.44
SMDH 00015b	121.5	91.95	0.19	47.39	75.57	158.19	19.03	63.56	12.53	1.23	8.74	1.15	8.21	1.64	5.73	0.74	4.54	0.70	34.00	1.98	9.08	399.70	380.69		
SMDH 00015b	129.7	106.48	0.16	43.28	83.60	176.10	21.56	75.11	14.60	1.45	9.42	1.26	8.54	1.64	5.19	0.74	4.13	0.50	40.23	2.19	9.79	371.06	584.91		
SMDH 00015b	98.5	81.21	0.17	33.25	73.59	148.19	17.35	56.62	10.58	1.34	6.81	0.92	6.33	1.21	3.89	0.53	3.82	0.50	26.07	1.87	8.02	335.40	778.03		1.56
SMDH 00015b	129.7	116.78	0.19	35.91	101.76	215.47	25.06	84.36	16.33	2.12	9.31	1.26	6.10	1.31	3.67	0.53	3.51	0.25	37.40	1.87	4.84	279.62	737.29	0.56	
SMDH 00015b	86.9	91.31	0.14	14.51	81.16	171.96	20.60	67.02	11.50	1.68	6.70	0.69	3.00	0.55	1.51	0.27	0.93	0.25	34.45	1.56	9.55	483.05	595.31		
SMDH 00015b	64.3	72.64	0.13	6.29	67.18	138.69	16.26	54.31	7.59	1.68	4.88	0.29	1.78	0.27	0.76	0.27	0.26	0.25	24.59	0.83	10.38	522.22	374.97		1.45
SMDH 00015b	50.0	54.32	0.10	5.68	49.60	106.51	11.32	41.60	5.52	1.34	3.40	0.29	1.11	0.27	0.54	0.27	0.26	0.25	19.95	0.83	12.15	614.48	569.82		
SMDH 00015	94.4	87.15	0.09	25.03	75.10	167.81	19.03	63.09	11.27	1.23	7.38	0.80	4.22	0.88	1.84	0.27	1.86	0.25	31.96	3.54	4.80	594.62	263.85		
SMDH 00015	186.0	181.20	0.16	44.73	209.12	389.62	43.01	128.27	20.58	3.13	12.14	1.38	8.54	1.64	4.97	0.74	4.85	0.80	36.83	2.81	5.54	282.45	280.32		1.53
SMDH 00015	130.9	113.30	0.18	40.74	118.07	228.26	25.54	79.73	14.03	2.35	9.31	1.26	6.77	1.53	4.97	0.74	4.65	0.80	29.58	2.29	5.78	322.98	296.79		
SMDH 00015	83.8	75.33	0.09	21.64	65.09	135.28	15.78	54.31	10.92	2.57	6.70	0.80	4.44	0.66	2.16	0.27	1.96	0.25	26.63	1.67	4.25	251.65	74.72		
SMDH 00015	140.2	95.80	0.18	63.23	83.14	175.37	19.88	63.56	13.45	1.01	10.67	1.61	10.76	1.97	5.29	0.74	4.44	0.70	31.39	3.75	8.14	351.48	799.18	1.31	1.48
SMDH 00015	83.1	67.74	0.12	28.89	60.20	123.58	14.46	47.38	9.08	0.89	6.70	0.80	5.10	0.99	3.13	0.27	2.17	0.25	24.14	2.60	6.25	240.98	629.81		
SMDH 00015	112.9	91.44	0.16	39.90	81.74	170.62	19.52	63.56	12.42	1.12	8.40	1.26	7.10	1.31	3.89	0.53	3.41	0.60	33.09	2.81	8.61	344.45	653.56		1.48
SMDH 00015	50.0	39.56	0.06	18.62	34.81	71.90	8.43	27.73	6.09	0.28	3.97	0.29	3.11	0.66	1.62	0.27	1.24	0.25	13.83	1.04	4.36	195.19	524.23	1.06	
SMDH 00015	42.2	31.16	0.05	16.93	27.13	54.11	6.14	21.96	4.60	0.28	2.95	0.29	2.77	0.55	2.05	0.27	1.24	0.25	8.95	0.94	4.13	201.27	260.38		
SMDH 00015	95.0	63.38	0.10	44.01	62.06	119.43	13.49	42.76	8.62	1.12	5.90	0.92	6.21	1.42	4.00	0.53	2.89	0.25	19.95	2.19	6.84	302.98	205.77		1.55
SMDH 00015	97.0	69.66	0.08	40.50	64.74	127.96	14.70	47.38	9.54	1.56	6.81	1.03	6.55	1.31	3.35	0.27	2.38	0.25	24.48	3.44	7.08	317.84	385.89		
SMDH 00015	89.3	69.69	0.08	33.00	64.97	127.23	14.58	48.53	9.54	1.23	6.36	0.92	5.66	1.21	3.03	0.27	2.48	0.25	25.50	3.02	8.61	357.83	202.13	0.63	
SMDH 00015	120.9	80.83	0.16	55.25	71.03	143.81	16.38	54.31	11.96	1.23	8.17	1.26	8.88	1.75	5.51	0.85	5.27	0.80	30.15	3.33	5.78	290.29	551.62		1.65
SMDH 00014b	122.0	119.81	0.12	26.84	103.63	221.07	25.78	86.67	16.21	1.12	9.99	1.03	6.33	0.88	2.49	0.27	2.07	0.25	53.95	2.92	10.38	344.72	495.11		
SMDH 00014b	90.0	88.32	0.11	18.98	90.35	169.03	19.52	63.56	13.34	2.23	7.04	0.92	4.33	0.66	1.62	0.27	1.34	0.25	30.71	2.40	6.96	302.58	2018.74		
SMDH 00014b	79.0	81.36	0.06	13.06	78.48	154.29	17.59	60.09	11.61	2.12	6.24	0.69	3.00	0.55	1.08	0.27	0.62	0.25	31.96	1.87	3.66	165.74	495.11	0.91	1.58
SMDH 00014b	44.9	46.16	0.03	7.74	44.48	86.28	10.36	33.51	5.17	1.34	3.63	0.29	2.00	0.27	0.65	0.27	0.26	0.25	16.32	1.04	1.53	82.26	870.08		
SMDH 00014b	84.6	92.50	0.05	11.73	85.58	165.62	21.08	68.18	11.73	1.45	7.83	0.69	2.55	0.27	0.86	0.27	0.52	0.25	35.13	1.67	3.18	126.71	1072.21		
SMDH 00014b	111.0	122.16	0.05	14.14	110.38	222.53	27.11	90.13	17.82	1.79	9.76	1.03	3.88	0.66	1.19	0.27	0.26	0.25	52.13	2.40	6.37	234.63	293.15		1.59
SMDH 00014b	215.0	242.69	0.09	24.18	216.22	448.48	54.57	177.96	31.27	2.68	19.63	2.07	8.10	0.99	2.16	0.27	0.83	0.25	101.77	3.64	6.60	258.68	11787.94	0.81	
SMDH 00014b	192.7	209.71	0.07	27.08	187.34	392.05	46.74	153.69	29.55	2.68	17.93	1.95	7.32	0.88	1.84	0.27	1.14	0.25	88.63	3.96	9.79	387.41	254.84		
SMDH 00014b	116.9	125.85	0.05	16.68	114.92	240.69	27.71	92.44	16.79	2.12	10.10	1.03	4.66	0.66	1.51	0.27	0.83	0.25	49.30	2.08	4.13	170.07	409.64		1.63
SMDH 00014b	100.7	109.12	0.05	13.66	103.51	211.57	24.70	79.73	14.03	2.57	8.97	0.80	3.88	0.27	1.08	0.27	0.62	0.25	40.46	2.08	4.13	171.69	254.84		
SMDH 00014b	107.3	115.85	0.05	14.87	106.77	220.10	25.54	85.51	14.72	2.12	9.08	0.92	3.88	0.55	1.40	0.27	0.83	0.25	44.31	2.71	4.13	153.59	5.55	0.60	
SMDH 00014	105.9	100.29	0.16	25.63	93.38	186.09	21.81	72.80	14.14	1.79	7.72	0.80	4.88	0.88	3.24	0.27	2.58	0.25	31.51	2.50	10.97	443.60	327.99	1.59	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00014	68.8	71.84	0.07	11.61	66.72	135.52	16.02	52.58	9.43	1.34	6.01	0.69	2.55	0.27	1.08	0.27	0.72	0.25	25.39	2.29	6.40	360.80	546.77		1.49
SMDH 00014	268.1	315.30	0.19	25.27	457.94	769.24	78.91	228.80	33.57	6.48	16.00	1.38	6.21	0.99	2.81	0.27	1.96	0.25	29.35	1.35	7.31	308.39	840.96		
SMDH 00014	56.6	59.54	0.11	9.07	53.09	107.85	13.01	43.91	7.24	1.01	4.99	0.29	2.33	0.27	0.97	0.27	0.93	0.25	19.04	1.77	13.68	534.38	456.97		
SMDH 00014	71.4	73.77	0.12	11.73	71.84	144.54	15.66	54.31	10.00	1.56	6.24	0.69	3.11	0.27	1.30	0.27	0.72	0.25	24.93	1.77	11.56	459.14	884.81	1.16	1.36
SMDH 00014	97.2	99.05	0.15	18.50	90.59	187.07	22.05	71.64	14.83	1.68	8.51	0.92	4.44	0.66	1.94	0.27	1.03	0.25	34.68	2.40	12.38	489.12	993.51		
SMDH 00014	91.3	83.26	0.16	23.82	75.33	151.73	17.59	60.09	11.38	1.79	7.04	0.92	4.66	0.88	2.81	0.27	1.96	0.25	27.31	1.87	10.97	498.45	644.54		
SMDH 00014	97.9	80.57	0.16	33.13	77.08	157.58	17.59	56.62	10.12	1.79	7.49	0.92	5.44	1.10	4.00	0.53	3.30	0.25	23.35	1.56	9.20	434.82	558.73		1.42
SMDH 00014	113.7	89.50	0.24	41.71	83.83	165.99	19.52	62.40	11.27	2.01	9.08	1.03	6.55	1.31	5.29	0.64	4.54	0.60	26.97	2.29	11.32	521.54	1683.82	0.46	
SMDH 00013b	115.2	111.55	0.14	25.99	98.97	211.44	23.97	80.89	14.49	1.68	9.99	1.03	5.66	0.88	2.59	0.27	1.86	0.25	39.33	2.71	11.56	491.15	459.57		
SMDH 00013b	104.3	106.49	0.17	18.98	96.99	198.28	22.89	78.58	14.49	1.68	8.28	1.03	3.99	0.66	1.94	0.27	1.34	0.25	35.47	3.23	12.15	582.06	942.02		1.31
SMDH 00013b	64.5	57.88	0.08	17.77	54.26	103.95	12.05	41.60	7.36	0.89	4.43	0.57	3.66	0.55	1.84	0.27	1.34	0.25	19.15	1.67	8.02	334.19	833.33	1.93	
SMDH 00013b	46.2	41.01	0.09	13.54	40.05	82.63	9.40	28.89	5.52	1.01	3.75	0.29	2.44	0.27	1.40	0.27	1.24	0.25	13.83	1.25	9.43	415.37	451.94		1.55
SMDH 00013b	79.0	83.74	0.12	12.69	112.01	199.01	19.88	61.24	8.05	2.46	4.88	0.29	2.33	0.27	1.40	0.27	0.93	0.25	13.60	1.25	17.57	773.47	957.28		
SMDH 00013b	42.4	31.29	0.10	15.96	28.64	57.52	6.38	21.96	4.48	1.56	3.18	0.29	2.66	0.55	1.62	0.27	1.34	0.25	8.16	0.94	11.44	507.23	751.50		
SMDH 00013b	75.3	57.66	0.15	27.08	47.74	103.59	11.08	40.44	7.82	1.68	5.79	0.80	5.33	0.99	2.81	0.27	1.65	0.25	18.93	1.35	8.37	390.11	734.17	1.22	1.65
SMDH 00013b	33.9	23.64	0.10	13.66	22.01	43.02	5.18	16.18	3.68	1.79	2.84	0.29	2.00	0.27	1.40	0.27	1.14	0.25	6.12	0.94	12.97	645.14	268.88		
SMDH 00013b	93.2	52.68	0.19	48.36	43.90	88.11	9.88	34.67	7.93	2.01	6.47	1.03	7.10	1.64	5.83	0.96	5.68	0.70	11.79	1.46	9.67	475.35	825.70		
SMDH 00013b	92.4	51.03	0.20	48.96	41.10	84.82	9.28	33.51	7.13	1.68	5.56	1.03	7.21	1.53	5.73	0.85	5.16	0.70	11.11	1.67	4.36	222.88	861.93		1.71
SMDH 00013b	114.7	76.23	0.16	49.93	62.64	124.19	13.49	53.16	10.23	2.01	8.85	1.26	8.32	1.64	5.51	0.85	4.65	0.60	18.25	1.77	4.48	234.23	600.68	0.72	
SMDH 00034	117.1	127.36	0.07	14.14	124.94	251.90	26.99	95.91	14.72	2.57	8.97	0.80	3.66	0.27	1.19	0.27	0.83	0.25	50.77	1.35	3.89	188.98	644.54		
SMDH 00034	223.3	258.96	0.05	19.83	324.97	590.46	60.60	190.67	27.48	5.14	13.28	1.38	6.33	0.77	2.05	0.27	0.93	0.25	59.95	1.15	2.24	127.65	10762.71		1.65
SMDH 00034	115.1	122.06	0.06	18.50	124.94	241.91	27.35	90.13	13.45	1.90	7.72	0.80	3.77	0.55	1.73	0.27	1.34	0.25	44.43	1.25	7.19	355.40	326.08		
SMDH 00034	98.6	108.68	0.09	12.81	108.29	212.17	24.33	80.89	12.30	1.45	7.26	0.57	2.89	0.27	1.08	0.27	0.62	0.25	39.89	1.46	11.56	549.91	924.86	1.02	
SMDH 00034	124.5	107.22	0.18	38.44	95.36	190.73	22.77	77.42	14.14	1.56	8.62	1.03	5.99	1.31	4.86	0.74	4.65	0.60	34.11	1.56	11.67	524.79	1010.67		1.46
SMDH 00034	127.0	139.89	0.09	15.60	146.94	279.45	30.60	105.16	15.98	2.12	8.85	0.80	3.33	0.55	1.62	0.27	1.03	0.25	49.98	1.35	7.19	341.08	6897.36		
SMDH 00034	90.9	100.86	0.07	10.28	103.51	203.28	22.29	75.11	13.11	2.01	7.04	0.69	2.77	0.27	0.76	0.27	0.52	0.25	40.12	1.15	5.07	261.11	726.54		
SMDH 00034	104.5	119.31	0.08	9.67	116.09	231.43	26.86	88.98	13.68	2.35	7.15	0.69	2.77	0.27	0.97	0.27	0.52	0.25	45.33	0.94	5.66	264.49	993.51	0.86	1.57
SMDH 00033b	160.6	157.41	0.13	35.66	139.49	292.12	33.97	114.40	20.35	1.45	13.50	1.49	7.55	1.21	3.57	0.27	2.99	0.25	61.43	3.44	13.21	651.49	1112.09		
SMDH 00033b	51.2	51.64	0.05	9.43	50.53	102.86	11.44	38.13	6.32	1.56	3.63	0.29	1.78	0.27	0.86	0.27	1.03	0.25	19.38	1.56	4.67	543.56	423.68		
SMDH 00033b	36.2	36.27	0.09	5.80	40.05	77.51	8.07	26.58	3.91	2.23	2.50	0.29	1.33	0.27	0.54	0.27	0.26	0.25	14.39	0.26	7.67	363.37	757.22		1.62
SMDH 00033b	28.2	29.07	0.09	4.59	29.92	57.89	6.99	20.80	3.56	1.56	2.04	0.29	1.00	0.27	0.27	0.27	0.26	0.25	10.54	0.26	7.08	370.66	616.28	1.11	
SMDH 00033b	34.6	35.69	0.10	4.71	37.96	73.24	7.83	26.58	4.14	2.01	2.38	0.29	1.00	0.27	0.27	0.27	0.26	0.25	13.03	0.52	6.60	312.44	626.34		
SMDH 00033b	30.9	32.54	0.09	3.87	33.53	60.57	6.99	24.27	3.10	1.45	2.38	0.29	1.00	0.27	0.27	0.27	0.26	0.25	9.97	0.52	6.37	299.07	27.74		1.52
SMDH 00033b	104.3	96.43	0.15	26.72	88.03	183.41	20.96	69.33	12.07	2.12	8.28	1.03	5.10	0.99	3.24	0.27	2.07	0.25	36.15	2.50	8.25	344.45	797.44		
SMDH 00033b	116.6	102.76	0.17	33.00	93.03	188.53	20.96	75.11	13.45	1.79	7.83	0.92	5.77	1.10	4.00	0.53	2.79	0.25	37.97	2.71	11.32	435.50	0.87	1.03	
SMDH 00033b	112.4	89.33	0.16	40.14	78.94	160.38	18.79	62.40	12.30	1.68	7.94	1.15	6.99	1.42	4.86	0.53	3.72	0.25	32.41	2.71	10.50	457.25	819.98		1.52
SMDH 00033b	113.9	100.21	0.18	33.37	89.54	184.02	21.20	71.64	12.99	1.56	8.97	1.15	6.21	1.21	3.78	0.27	2.48	0.25	37.74	3.02	10.14	466.30	150.99		
SMDH 00033b	119.0	105.89	0.13	32.88	88.72	206.45	21.32	77.42	13.22	1.56	8.06	1.15	5.99	0.99	2.49	0.27	2.58	0.25	41.37	3.23	13.33	498.99	765.03		
SMDH 00033b	110.2	96.68	0.13	31.19	81.74	182.93	19.28	70.49	11.27	1.56	7.26	1.03	5.88	0.99	2.59	0.27	3.20	0.25	37.17	2.50	9.91	404.16	723.77	0.56	1.47
SMDH 00033b	161.5	133.17	0.18	53.68	124.94	277.98	27.71	94.76	15.06	2.35	10.55	1.49	9.21	1.64	4.21	0.74	5.89	0.60	46.81	3.75	18.04	659.60	296.96		
SMDH 00033	169.5	170.16	0.10	32.28	143.68	319.42	34.45	127.11	21.27	1.56	12.37	1.49	7.10	0.88	2.27	0.27	2.79	0.25	64.26	2.29	14.62	552.61	240.62		
SMDH 00033	246.4	247.27	0.16	50.29	298.08	590.82	55.78	179.11	25.06	4.58	14.30	1.95	10.43	1.64	4.00	0.64	4.65	0.25	41.14	2.40	13.21	486.02	931.79		1.36
SMDH 00033	187.5	177.44	0.15	46.18	219.25	433.73	39.51	127.11	17.36	3.35	11.01	1.49	9.32	1.53	3.57	0.53	4.34	0.25	25.39	1.87	9.32	369.31	797.44	1.21	
SMDH 00033	127.6	85.74	0.16	56.10	70.09	158.19	16.14	57.78	11.38	1.90	8.74	1.61	10.21	1.64	4.21	0.64	5.58	0.50	19.38	1.67	9.20	352.69	871.12		
SMDH 00033	116.8	83.85	0.15	48.24	67.18	138.69	16.75	56.62	11.04	1.45	9.42	1.49	8.99	1.53	4.75	0.53	3.61	0.50	23.01	2.19	8.84	357.02	931.79		1.51
SMDH 00033	107.6	99.58	0.13	27.32	99.32	191.34	21.68	71.64	11.96	2.35	7.49	1.03	5.22	0.99	2.59	0.27	2.48	0.25	27.77	1.25	5.66	236.80	791.03		
SMDH 00033	88.5	94.82	0.05	12.33	90.94	182.56	21.20	70.49	11.04	2.57	6.24	0.57	2.55	0.27	1.19	0.27	0.72	0.25	36.95	0.62	1.53	86.99	309.96	0.72	
SMDH 00033	75.9	72.76	0.09	17.89	73.59	140.39	16.75	52.00	9.20	2.01	6.01	0.57	3.44	0.66	1.73	0.27	1.24	0.25	26.18	0.83	4.60	198.16	309.96		1.78
SMDH 00033	73.4	64.77	0.13	20.67	59.62	119.68	13.97	46.22	9.08	1.90	5.67	0.69	3.88	0.77	2.05	0.27	1.45	0.25	21.31	0.83	5.42	252.46	892.79		
SMDH 00033	65.0	65.49	0.08	11.97	62.76	126.99	14.34	48.53	9.08	1.90	4.88	0.29	2.33	0.27	1.08	0.27	0.72	0.25	26.18	0.52	2.12	108.74	520.07		
SMDH 00032b	104.1	105.78	0.06	20.67	96.99	199.74	22.89	77.42	14.37	0.56	8.40	1.03	4.44	0.66	2.16	0.27	1.55	0.25	41.93	2.71	13.68	599.76	489.73		
SMDH 00032b	112.1	116.41	0.06	20.31	105.61	232.77	25.42	85.51	14.26	0.78	10.78	1.26	4.22	0.77	1.94	0.27	1.34	0.25	46.81	2.60	8.84	373.23	437.73		
SMDH 00032b	98.3	64.92	0.15	44.61	54.72	105.05	12.65	43.91	8.62	1.45	7.60	1.26	7.10	1.31	3.67	0.53	2.99	0.25	18.25	1.46	6.49	302.85	864.71		1.60
SMDH 00032b	85.0	63.86	0.13	33.25	54.96	117.36	13.25	43.91	8.05	1.12	6.81	1.15	5.55	1.10	3.24	0.27	3.10	0.25	21.53	1.04	7.08	278.81	458.18	0.77	
SMDH 00032b	63.2	58.73	0.10	15.96	52.51	111.15	12.65	41.60	8.05	1.12	5.67	1.15	3.33	1.10	1.08	0.27	1.03	0.25	19.27	1.04	7.08	267.73	666.04		
SMDH 00032b	52.6	47.37	0.09	14.39	42.96	89.82	10.24	33.51	5.75	1.12	4.54	0.29	3.33	0.27	1.08	0.27	1.03	0.25	17.00	1.04	8.25	316.36	506.03		1.61
SMDH 00032b	69.0	70.38	0.09	12.57	61.83	128.94	15.06	50.84	9.20	1.12	5.67	1.15	3.33	0.27	1.08	0.27	1.03	0.25	26.07	1.04	4.72	223.69	586.81		
SMDH 00032b	31.0	29.86	0.05	5.44	28.76	56.06	6.51	21.96	3.45	2.23	2.27	0.29	1.11	0.27	0.27	0.27	0.26	0.25	9.07	0.26	4.72	227.47	329.73	0.31	
SMDH 00032	51.2	52.57	0.05	9.43	52.16	95.06	11.93	38.13	6.90	1.12	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	14.73	1.04	4.72	203.57	316.55		1.53
SMDH 00032	54.6	60.56	0.04	8.22	55.19	129.67	15.30	42.76	6.90	1.12	4.54	0.29	2.22	0.27	1.08	0.27	0.26	0.25	21.53	1.04	3.54	148.45	261.25		
SMDH 00032	58.8	62.70	0.05	8.95	59.50	122.48	13.97	46.22	8.05	1.12	4.54	0.29	2.22	0.27	1.08	0.27	0.26	0.25	22.67	1.04	3.54	114.01	202.83		
SMDH 00032	97.5	83.34	0.17	30.71	71.38	153.19	17.71	58.93	9.20	1.12	6.81	1.15	5.55	1.10	2.16	0.27	3.10	0.25	26.07	1.04	12.97	523.44	1171.89	1.51	1.53
SMDH 00032	64.3	65.78	0.03	10.88	64.27	127.60	14.58	48.19	8.28	2.23	5.11	0.57	2.44	0.27	0.86	0.27	0.26	0.25	24.71	1.87	6.73	210.32	165.21		
SMDH 00032	39.2	39.95	0.05	6.65	36.33	69.59	8.55	28.89	4.60	1.12	3.40	0.29	2.22	0.27	1.08	0.27	0.26	0.25	12.47	1.04	3.54	114.41	259.00		
SMDH 00032	64.6	65.25	0.05	11.36	59.85	128.08	14.22	48.53	9.20	2.23	5.67	0.29	2.22	0.27	1.08	0.27	1.03	0.25	23.80	1.04	3.54	120.36	301.12		1.65
SMDH 00032	18.3	15.05	0.05	4.23	14.32	28.64	3.25	10.40	2.30	2.23	1.13	0.29	1.11	0.27	0.27	0.27	0.26	0.25	4.53	0.26	4.72	151.15	306.84	0.60	
SMDH 00032	21.2	16.45	0.06	6.04	15.60	30.71	3.49	11.56	2.30	2.23	1.13	0.29	1.11	0.27	1.08	0.27	1.03	0.25	4.53	0.26	3.54	159.66	356.77		
SMDH 00032	50.4	49.29	0.04	8.70	42.85	83.60	10.96	35.82	8.05	3.35	4.54	0.29	2.22	0.27	1.08	0.27	0.26	0.25	14.73	1.04	2.36	119.14	224.50		1.51
SMDH 00031b	83.2	79.48	0.06	19.83	70.21	147.95	17.23	57.78	10.35	1.12	6.81	1.15	3.33	1.10	1.08	0.27	2.07	0.25	28.33	2.08	10.61	435.50	299.21		
SMDH 00031b	100.9	98.79	0.08	21.40	86.74	172.57	21.56	71.64	12.65	2.23	7.94	1.15	4.44	1.10	2.16	0.27	2.07	0.25	30.60	2.08	10.61	425.91	485.92	1.12	
SMDH 00031b	75.9	80.20	0.08	11.36	72.54	144.42	17.95	57.78	10.35	2.23	6.81	1.15	3.33	0.27	1.08	0.27	1.03	0.25	28.33	2.08	5.90	230.04	395.08		1.79
SMDH 00031b	69.9	74.72	0.07	9.67	67.53	137.83	16.75	55.47	10.35	2.23	5.67	0.29	2.22	0.27	1.08	0.27	0.26	0.25	27.20	2.08	4.72	175.20	395.08		
SMDH 00031b	65.2	70.53	0.08	8.46	64.04	132.96	16.02	52.00	9.20	2.23	5.67	0.29	2.22	0.27	1.08	0.27	0.26	0.25	26.07	1.04	4.72	157.23	545.03		
SMDH 00031b	56.8	58.27	0.07	9.31	52.16	106.03	13.01	42.76	8.05	2.23	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	20.40	1.04	4.72	211.54	501.87	0.83	1.66
SMDH 00031b	75.5	76.93	0.06	13.30	68.81	134.67	16.99	55.47	9.20	2.23	5.67	1.15	3.33	0.27	1.08	0.27	1.03	0.25	24.93	1.04	4.72	186.14	352.09		
SMDH 00031b	52.8	55.48	0.05	7.62	54.14	108.46	12.53	40.44	6.90	2.23	4.54	0.29	2.22	0.27	1.08	0.27	0.26	0.25	20.40	1.04	3.54	159.53	247.55		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00031b	74.8	80.45	0.05	10.28	72.07	146.24	18.19	57.78	10.35	2.23	6.81	1.15	3.33	0.27	1.08	0.27	1.03	0.25	30.60	2.08	4.72	185.46	329.38		1.61
SMDH 00031b	69.3	74.86	0.06	8.22	67.77	141.73	16.02	55.47	10.35	2.23	6.81	1.15	2.22	0.27	0.27	0.27	0.26	0.25	28.33	2.08	4.72	186.68	275.81	0.85	
SMDH 00031	79.2	77.48	0.06	15.84	66.60	140.88	16.38	56.62	10.35	2.23	6.81	1.15	3.33	0.27	1.08	0.27	1.03	0.25	27.20	2.08	7.08	321.09	437.03		
SMDH 00031	94.7	95.52	0.09	17.53	89.54	180.49	20.60	69.33	12.65	2.23	7.94	1.15	4.44	1.10	1.08	0.27	2.07	0.25	31.73	3.12	9.43	299.07	494.24		1.67
SMDH 00031	148.2	155.86	0.09	23.70	138.67	300.41	33.61	115.56	20.70	2.23	13.62	1.15	5.55	1.10	2.16	0.27	1.03	0.25	61.20	5.21	15.33	498.31	674.53		
SMDH 00031	46.1	42.62	0.07	11.24	36.10	77.63	8.91	31.20	5.75	1.12	3.40	0.29	2.22	0.27	1.08	0.27	1.03	0.25	14.73	3.12	15.33	536.94	666.04	0.74	
SMDH 00031	44.6	42.62	0.07	9.79	36.68	79.22	8.91	31.20	5.75	1.12	3.40	0.29	2.22	0.27	1.08	0.27	1.03	0.25	14.73	2.08	17.69	580.30	897.30		1.52
SMDH 00031	67.7	69.03	0.09	12.33	62.53	129.67	14.82	50.84	9.20	1.12	5.67	1.15	2.22	0.27	1.08	0.27	1.03	0.25	22.67	3.12	21.23	778.87	897.30		
SMDH 00031	104.4	111.10	0.16	15.60	102.93	225.21	24.58	82.04	13.80	2.23	9.08	1.15	3.33	1.10	1.08	0.27	1.03	0.25	37.40	3.12	21.23	699.17	1046.38		
SMDH 00031	102.6	104.98	0.12	19.58	97.92	211.08	23.13	76.27	13.80	1.12	9.08	1.15	4.44	1.10	2.16	0.27	1.03	0.25	36.27	2.08	15.33	506.55	819.63	0.53	1.58
SMDH 00031	149.1	151.10	0.15	28.17	135.76	297.85	32.41	109.78	19.55	2.23	12.48	1.15	7.77	1.10	2.16	0.27	1.03	0.25	52.13	4.17	17.69	604.89	988.14		
SMDH 00031	158.4	163.38	0.16	25.87	125.17	285.05	33.13	121.33	21.85	2.23	15.89	1.15	7.77	1.10	2.16	0.27	1.03	0.25	105.40	9.37	16.51	563.55	956.93		
SMDH 00031	174.7	173.51	0.18	34.09	130.06	300.29	35.18	128.27	22.99	2.23	15.89	2.30	7.77	1.10	3.24	0.27	2.07	0.25	114.47	13.54	16.51	598.54	1117.11		1.46
SMDH 00030b	123.0	121.45	0.17	26.23	97.11	219.61	25.78	88.98	16.10	1.12	10.21	1.15	5.55	1.10	2.16	0.27	2.07	0.25	83.87	7.29	15.33	592.46	890.36	0.68	
SMDH 00030b	90.3	86.42	0.15	21.16	71.61	154.77	18.43	62.40	11.50	1.12	6.81	1.15	4.44	1.10	2.16	0.27	3.10	0.25	58.93	4.17	11.79	454.95	671.24		0.48
SMDH 00030b	77.8	87.09	0.05	8.34	89.19	178.66	19.88	64.71	10.35	2.23	5.67	0.29	2.22	0.27	1.08	0.27	1.03	0.25	36.27	1.04	3.54	118.33	316.55		
SMDH 00030b	58.7	54.20	0.07	15.84	57.29	113.46	12.41	39.29	6.90	1.12	4.54	0.29	2.22	0.27	1.08	0.27	2.07	0.25	19.27	1.04	5.90	258.68	360.93	0.75	
SMDH 00030b	55.1	53.84	0.09	12.21	53.44	110.05	12.05	39.29	6.90	1.12	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	19.27	1.04	8.25	378.36	527.53		1.69
SMDH 00030b	59.8	64.34	0.12	8.83	62.18	129.67	14.46	47.38	8.05	1.12	5.67	0.29	2.22	0.27	1.08	0.27	1.03	0.25	22.67	2.08	11.79	493.58	758.78		
SMDH 00030b	48.3	44.62	0.09	12.33	41.92	89.09	9.76	32.36	5.75	1.12	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	14.73	1.04	5.90	278.94	520.07		
SMDH 00030b	33.5	26.78	0.05	11.36	24.92	47.77	5.78	18.49	3.45	1.12	2.27	0.29	2.22	0.27	1.08	0.27	1.03	0.25	6.80	1.04	1.18	74.43	298.00	0.33	1.56
SMDH 00030	102.2	101.47	0.11	21.64	95.71	210.59	23.13	71.64	14.95	2.23	10.21	1.15	5.55	1.10	2.16	0.27	1.03	0.25	39.67	2.08	10.61	416.45	644.02		
SMDH 00030	54.0	51.07	0.08	12.57	44.71	95.18	10.72	36.98	6.90	1.12	3.40	1.15	2.22	0.27	1.08	0.27	1.03	0.25	15.87	1.04	7.08	294.88	525.62		
SMDH 00030	32.1	28.58	0.05	8.83	26.90	56.30	6.38	20.80	3.45	1.12	2.27	0.29	1.11	0.27	1.08	0.27	1.03	0.25	9.07	1.04	5.90	245.44	421.26		1.53
SMDH 00030	30.4	27.18	0.09	8.22	26.43	56.67	6.14	19.64	3.45	1.12	2.27	0.29	1.11	0.27	1.08	0.27	1.03	0.25	9.07	1.04	9.43	439.96	478.99	0.75	
SMDH 00030	88.6	85.99	0.16	20.67	78.71	168.55	19.15	61.24	11.50	1.12	7.94	1.15	4.44	1.10	2.16	0.27	1.03	0.25	28.33	2.08	9.43	355.94	866.61		
SMDH 00030	47.6	43.58	0.10	12.81	42.27	87.26	9.88	31.20	5.75	1.12	3.40	0.29	2.22	0.27	1.08	0.27	1.03	0.25	13.60	1.04	8.25	380.66	525.62		1.69
SMDH 00030	38.5	36.24	0.09	9.43	35.05	72.88	8.31	25.42	4.60	1.12	3.40	0.29	2.22	0.27	1.08	0.27	1.03	0.25	12.47	1.04	11.79	509.25	428.71		
SMDH 00030	45.1	37.76	0.10	14.87	36.68	76.90	8.67	26.58	4.60	1.12	3.40	0.29	2.22	0.27	1.08	0.27	1.03	0.25	12.47	1.04	11.79	501.42	477.08	0.68	
SMDH 00030	66.2	57.40	0.13	20.19	50.53	108.46	12.53	39.29	6.90	1.12	5.67	1.15	4.44	1.10	1.08	0.27	1.03	0.25	18.13	1.04	9.43	400.65	718.57		1.57
SMDH 00030	136.3	106.55	0.33	50.05	95.71	195.84	22.53	73.96	13.80	2.23	9.08	2.30	7.77	2.19	4.32	1.06	5.16	1.01	34.00	2.08	11.79	492.77	923.99		
SMDH 00030	88.2	63.62	0.23	36.51	56.24	114.44	13.01	43.91	8.05	1.12	6.81	1.15	5.55	1.10	3.24	1.06	3.10	0.25	19.27	1.04	10.61	454.41	759.65		
SMDH 00030	69.1	55.41	0.23	24.30	48.55	101.64	11.69	38.13	6.90	1.12	4.54	1.15	4.44	1.10	2.16	0.27	2.07	0.25	18.13	2.08	14.15	561.53	812.87	0.52	1.63
SMDH 00030	42.7	39.41	0.16	10.52	36.79	73.73	8.31	27.73	4.60	1.12	3.40	1.15	2.22	0.27	1.08	0.27	1.03	0.25	12.47	1.04	11.79	506.82	932.83		
SMDH 00030	73.2	66.99	0.16	20.31	71.38	137.59	15.18	46.22	8.05	1.12	5.67	1.15	4.44	1.10	2.16	0.27	2.07	0.25	17.00	1.04	11.79	518.84	748.56		
SMDH 00030	85.0	91.30	0.17	13.54	87.79	182.19	20.96	65.87	11.50	1.12	7.94	1.15	3.33	0.27	1.08	0.27	1.03	0.25	34.00	2.08	11.79	528.70	1034.94		1.52
SMDH 00030	114.3	124.94	0.15	15.23	119.70	244.96	28.07	90.13	16.10	2.23	11.35	2.30	4.44	0.27	1.08	0.27	1.03	0.25	45.33	3.12	10.61	472.78	770.75	0.32	
SMDH 00029b	109.3	111.16	0.09	21.76	105.26	223.51	24.70	79.73	14.95	1.12	10.21	2.30	4.44	1.10	2.16	0.27	1.03	0.25	40.80	3.12	11.79	556.93	335.45		
SMDH 00029b	102.8	99.35	0.12	24.54	91.98	185.73	22.17	70.49	12.65	1.12	9.08	1.15	5.55	1.10	2.16	0.27	2.07	0.25	36.27	3.12	12.97	555.72	493.55		1.63
SMDH 00029b	77.5	74.10	0.06	18.38	65.20	136.37	16.02	53.39	10.69	1.01	6.47	0.80	3.88	0.66	1.51	0.27	0.83	0.25	29.69	3.12	6.91	376.20	242.70		
SMDH 00029b	126.5	125.79	0.07	26.72	108.05	228.87	27.23	91.75	18.05	1.23	10.55	1.26	5.55	0.88	2.16	0.27	1.96	0.25	48.05	4.17	9.96	347.70	284.83		
SMDH 00029b	136.1	125.41	0.16	35.91	111.89	224.36	27.47	90.13	17.25	2.23	11.35	1.15	6.66	1.10	3.24	1.06	3.10	0.25	41.93	3.12	10.61	424.42	920.53		1.39
SMDH 00029b	100.8	103.35	0.16	17.89	93.96	194.38	22.65	75.11	12.65	2.23	9.08	1.15	4.44	1.10	1.08	0.27	1.03	0.25	35.13	2.08	10.61	427.26	1113.82		
SMDH 00029b	119.1	114.04	0.18	28.17	110.03	222.05	25.30	82.04	14.95	2.23	9.08	1.15	5.55	1.10	3.24	0.27	3.10	0.25	34.00	2.08	9.43	403.75	1005.12		
SMDH 00029b	109.7	101.42	0.18	27.93	90.12	185.12	21.93	72.80	13.80	2.23	10.21	1.15	5.55	1.10	3.24	0.27	2.07	0.25	32.87	2.08	10.61	468.59	889.15	0.69	1.50
SMDH 00029b	115.2	100.10	0.17	34.70	90.35	181.59	21.81	70.49	13.80	2.23	9.08	1.15	6.66	1.10	3.24	1.06	3.10	0.25	31.73	2.08	9.43	402.27	828.65		
SMDH 00029b	122.9	108.48	0.16	35.42	98.16	196.09	23.25	77.42	13.80	2.23	9.08	1.15	6.66	1.10	3.24	1.06	3.10	0.25	34.00	2.08	10.61	437.39	838.36		
SMDH 00029b	114.8	105.49	0.16	29.62	95.13	191.21	22.53	76.27	13.80	2.23	9.08	1.15	5.55	1.10	3.24	0.27	3.10	0.25	34.00	2.08	12.97	513.30	964.04		1.53
SMDH 00029b	108.4	95.47	0.15	32.40	84.30	177.32	20.60	68.18	13.80	1.12	10.21	1.15	5.55	1.10	3.24	0.27	3.10	0.25	31.73	2.08	11.79	475.48	780.45	0.26	
SMDH 00029b	111.3	102.26	0.21	29.62	96.76	194.87	22.77	72.80	13.80	2.23	9.08	1.15	5.55	1.10	2.16	0.27	3.10	0.25	31.73	2.08	11.79	526.68	710.76		
SMDH 00028b	124.6	115.16	0.06	33.13	103.98	217.05	25.18	82.39	15.98	1.45	10.21	1.26	6.33	1.10	2.70	0.27	2.89	0.25	42.84	5.31	13.09	454.81	341.86		1.70
SMDH 00028b	90.8	77.87	0.16	28.65	70.09	146.49	16.87	54.31	10.35	1.12	6.81	1.15	5.55	1.10	2.16	0.27	2.07	0.25	26.07	2.08	9.43	374.31	654.25		
SMDH 00028b	41.3	36.74	0.11	11.36	34.81	70.81	7.95	25.42	4.60	1.12	3.40	1.15	2.22	0.27	1.08	0.27	1.03	0.25	12.47	1.04	5.90	233.15	468.24	0.87	
SMDH 00028b	66.3	58.73	0.16	19.10	55.31	117.97	12.65	41.60	6.90	1.12	4.54	1.15	3.33	1.10	1.08	0.27	2.07	0.25	22.67	1.04	9.43	393.35	627.03		1.47
SMDH 00028b	54.7	49.24	0.13	14.39	47.74	99.81	11.20	34.67	5.75	2.23	4.54	1.15	2.22	1.10	1.08	0.27	1.03	0.25	19.27	1.04	8.25	350.13	562.37		
SMDH 00028b	47.4	26.70	0.27	24.54	20.14	41.56	4.94	16.18	3.45	1.12	3.40	1.15	4.44	1.10	2.16	0.27	2.07	0.25	5.67	1.04	3.54	164.80	1268.80	1.18	1.48
SMDH 00028b	56.8	35.52	0.33	25.87	25.62	35.71	5.66	24.27	4.60	1.12	4.54	1.15	4.44	1.10	2.16	0.27	2.07	0.25	3.40	1.04	4.72	158.85	1383.91		
SMDH 00028b	48.4	28.15	0.18	24.30	20.26	39.49	5.18	18.49	4.60	1.12	4.54	1.15	3.33	1.10	2.16	0.27	2.07	0.25	4.53	1.04	3.54	144.27	1041.18		
SMDH 00028b	42.7	23.12	0.05	22.00	15.02	32.42	4.10	14.68	3.79	1.68	2.84	0.57	3.77	0.66	1.73	0.27	1.34	0.25	3.40	1.15	1.65	108.47	259.34		
SMDH 00028	79.4	76.76	0.05	18.38	70.56	150.51	16.87	54.31	9.20	1.12	6.81	1.15	4.44	0.27	1.08	0.27	1.03	0.25	28.33	2.08	5.90	281.10	207.51	0.47	
SMDH 00028	173.8	158.52	0.11	48.24	140.19	301.63	34.09	114.40	18.40	1.12	13.62	1.15	8.88	1.10	4.32	1.06	4.13	0.25	57.80	3.12	14.15	656.76	884.99		
SMDH 00028	109.7	107.90	0.09	24.42	99.79	207.06	23.73	78.58	11.50	1.12	7.94	1.15	4.44	1.10	2.16	0.27	2.07	0.25	41.93	1.04	9.43	420.77	649.92		1.52
SMDH 00028	74.5	70.07	0.08	19.22	64.39	138.44	15.90	49.69	8.05	1.12	5.67	1.15	3.33	1.10	2.16	0.27	2.07	0.25	29.47	1.04	7.08	322.98	610.39		
SMDH 00028	83.8	79.96	0.09	20.43	76.85	161.96	17.71	57.78	8.05	1.12	5.67	1.15	3.33	1.10	2.16	0.27	2.07	0.25	30.60	1.04	8.25	397.00	695.34	0.77	
SMDH 00028	83.4	81.36	0.10	17.77	77.78	163.43	17.95	58.93	9.20	2.23	5.67	1.15	3.33	1.10	1.08	0.27	1.03	0.25	28.33	1.04	7.08	335.27	626.34		1.64
SMDH 00028	68.5	73.20	0.08	10.52	67.30	134.18	16.38	54.31	8.05	1.12	5.67	0.29	2.22	0.27	1.08	0.27	0.26	0.25	24.93	1.04	7.08	314.47	522.85		
SMDH 00027b	136.1	122.49	0.11	38.20	108.75	228.38	26.86	87.82	13.80	2.23	9.08	1.15	6.66	1.10	3.24	0.27	3.10	0.25	44.20	2.08	12.97	546.13	808.36		
SMDH 00027b	86.5	75.48	0.06	25.39	65.44	137.96	16.62	53.62	9.43	2.23	6.13	0.80	4.44	0.77	2.16	0.27	1.55	0.25	23.35	1.87	3.37	223.83	382.08		
SMDH 00027b	108.5	84.81	0.16	40.62	71.61	145.63	18.07	58.93	9.20	1.12	6.81	1.15	6.66	1.10	3.24	1.06	3.10	0.25	26.07	1.04	8.25	375.66	832.46		
SMDH 00027b	130.1	99.21	0.16	50.78	85.11	172.08	20.96	69.33	10.35	1.12	9.08	1.15	7.77	2.19	4.32	1.06	5.16	1.01	30.60	1.04	12.97	538.29	918.97		
SMDH 00027b	119.7	112.64	0.15	29.86	100.02	207.79	25.06	80.89	12.65	2.23	9.08	1.15	5.55	1.10	2.16	0.27	2.07	0.25	39.67	2.08	12.97	568.42	965.25		1.42
SMDH 00027b	128.0	126.59	0.13	28.89	123.65	250.69	29.76	90.13	13.80	2.23	10.21	1.15	5.55	1.10	2.16	0.27	2.07	0.25	47.60	2.08	11.79	531.81	856.73	0.24	
SMDH 00029	183.5	139.64	0.07	71.33	115.62	247.88	29.15	101.11	18.28	1.68	11.24	1.49	7.88	1.53	3.35	0.53	3.10	0.25	49.64	4.06	15.92	670.27	258.30		
SMDH 00029	81.5	75.22	0.09	22.73	73.59	149.90	17.59	53.16	9.20	1.12	6.81	1.15	3.33	1.10	2.16	0.27	2.07	0.25	28.33	2.08	8.25	362.82	663.61		1.55
SMDH 00029	95.8	94.41	0.11	22.12	90.35	176.10	21.81	67.02	11.50	1.12	7.94	1.15	4.44	1.10	2.16	0.27	2.07	0.25	32.87	2.08	8.25	365.39	768.15		
SMDH 00029	88.0	77.17	0.10	28.17	76.38	154.77	18.43	53.16	11.50	1.12	7.94	1.15	4.44	1.10	2.16	0.27	2.07	0.25	28.33	2.08	8.25	328.65	765.03	0.44	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	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	97.3	77.91	0.13	36.39	73.47	151.36	18.07	52.00	11.50	1.12	7.94	2.30	5.55	1.10	3.24	0.27	2.07	0.25	28.33	2.08	9.43	341.89	742.49		1.47
SMDH 00029	105.2	93.45	0.12	32.64	93.03	190.73	22.05	63.56	13.80	1.12	10.21	2.30	5.55	1.10	2.16	0.27	2.07	0.25	36.27	2.08	11.79	472.78	804.03		
SMDH 00029	80.0	81.10	0.10	17.77	83.60	164.89	20.00	56.62	11.50	1.12	7.94	1.15	3.33	1.10	1.08	0.27	1.03	0.25	31.73	2.08	10.61	413.61	760.86		
SMDH 00029	74.0	73.15	0.10	17.53	74.29	147.46	17.83	50.84	10.35	1.12	7.94	1.15	3.33	1.10	1.08	0.27	1.03	0.25	29.47	2.08	9.43	366.07	802.12	0.26	1.48
SMDH 00029	78.5	76.43	0.10	19.71	76.15	153.07	18.79	53.16	10.35	1.12	7.94	1.15	3.33	1.10	1.08	0.27	1.03	0.25	30.60	2.08	9.43	366.34	857.60		
SMDH 00029	102.2	90.37	0.14	32.04	87.09	175.37	21.32	60.09	12.65	1.12	10.21	2.30	6.66	1.10	2.16	0.27	2.07	0.25	32.87	2.08	10.61	411.59	917.23		
SMDH 00029	102.7	90.51	0.17	30.22	74.98	161.84	19.15	62.40	12.65	1.12	11.35	2.30	6.66	1.10	2.16	0.27	2.07	0.25	30.60	2.08	11.79	481.97	917.75		1.33
SMDH 00029	106.1	91.18	0.16	32.52	71.14	156.24	18.67	63.56	12.65	1.12	10.21	2.30	6.66	1.10	2.16	0.27	2.07	0.25	27.20	2.08	10.61	405.51	895.22	0.08	
SMDH 00027	200.7	172.98	0.20	63.71	144.03	313.94	37.10	121.33	21.85	1.12	14.75	3.44	11.10	2.19	5.40	1.06	5.16	1.01	62.33	4.17	17.69	717.00	968.72		
SMDH 00027	168.2	151.72	0.17	46.18	126.45	275.55	31.92	108.62	19.55	2.23	13.62	2.30	8.88	1.10	3.24	1.06	3.10	0.25	53.27	3.12	11.79	525.60	829.86		1.48
SMDH 00027	152.6	148.59	0.18	33.97	131.34	281.40	32.17	107.47	18.40	2.23	12.48	2.30	6.66	1.10	2.16	0.27	3.10	0.25	53.27	2.08	12.97	612.32	989.18		
SMDH 00027	144.4	138.45	0.19	33.85	119.35	260.19	30.12	99.38	17.25	2.23	12.48	2.30	6.66	1.10	2.16	0.27	2.07	0.25	51.00	3.12	12.97	561.66	1001.48	0.67	
SMDH 00027	181.8	171.56	0.19	44.73	148.57	319.42	36.74	123.64	21.85	2.23	15.89	2.30	8.88	1.10	3.24	1.06	3.10	1.01	61.20	3.12	11.79	551.53	1066.84		1.52
SMDH 00027	95.1	94.05	0.13	19.10	84.65	180.73	20.24	69.33	11.50	2.23	7.94	1.15	3.33	1.10	2.16	0.27	1.03	0.25	34.00	1.04	11.79	549.91	942.20		
SMDH 00027	107.2	100.48	0.15	30.10	103.16	212.91	24.46	69.33	12.65	1.12	7.94	1.15	5.55	1.10	3.24	0.27	2.07	0.25	36.27	2.08	9.43	497.50	929.02		
SMDH 00027	154.1	138.17	0.16	44.73	123.31	253.37	31.08	97.07	17.25	2.23	12.48	1.15	8.88	1.10	5.40	1.06	4.13	1.01	47.60	2.08	12.97	556.39	938.56	0.17	1.49
SMDH 00027	226.4	156.88	0.31	102.28	133.09	274.33	33.85	106.31	19.55	1.12	13.62	2.30	14.43	3.29	12.97	2.12	10.33	2.01	51.00	3.12	16.51	710.93	1093.71		
SMDH 00026b	150.9	129.60	0.11	48.48	115.85	240.33	29.39	91.29	17.25	2.23	11.35	1.15	7.77	1.10	5.40	1.06	3.10	1.01	47.60	3.12	11.79	553.42	614.90		
SMDH 00026b	104.1	90.32	0.11	31.67	78.71	161.48	20.12	62.40	11.50	2.23	7.94	1.15	6.66	1.10	3.24	0.27	2.07	0.25	32.87	2.08	8.25	382.28	647.49	0.38	
SMDH 00026b	109.8	87.05	0.12	39.65	74.87	153.07	19.15	60.09	11.50	2.23	7.94	1.15	6.66	1.10	4.32	1.06	3.10	0.25	30.60	1.04	8.25	359.45	609.18		
SMDH 00026b	154.6	130.03	0.16	52.23	113.87	236.43	29.88	90.13	17.25	2.23	12.48	1.15	8.88	2.19	6.48	1.06	4.13	1.01	47.60	2.08	11.79	566.12	894.52		1.41
SMDH 00026b	141.3	116.34	0.13	44.61	100.02	221.92	21.93	84.36	16.10	2.23	11.35	2.30	7.77	2.19	4.32	1.06	4.13	1.01	35.13	2.08	10.61	442.79	638.13		
SMDH 00026b	132.0	116.75	0.13	35.30	99.90	212.42	22.29	85.51	14.95	2.23	10.21	2.30	6.66	1.10	3.24	0.27	3.10	0.25	34.00	2.08	9.43	361.74	514.52	0.21	
SMDH 00026b	165.2	139.17	0.15	51.26	117.60	263.48	27.47	100.53	18.40	2.23	12.48	2.30	8.88	2.19	5.40	1.06	3.10	1.01	47.60	3.12	14.15	548.29	711.80		1.52
SMDH 00026b	161.5	135.78	0.15	51.02	119.93	256.17	26.38	98.22	18.40	1.12	12.48	2.30	8.88	2.19	4.32	1.06	4.13	1.01	41.93	3.12	11.79	488.31	798.48		
SMDH 00026b	149.2	130.05	0.16	43.28	117.48	254.71	26.38	93.60	18.40	2.23	11.35	2.30	7.77	1.10	4.32	0.27	3.10	0.25	41.93	3.12	11.79	471.16	658.41		
SMDH 00026b	188.6	155.95	0.16	60.93	132.85	300.41	30.48	110.93	20.70	2.23	14.75	3.44	11.10	2.19	6.48	1.06	4.13	1.01	51.00	4.17	11.79	486.69	831.77	0.24	1.41
SMDH 00026b	162.6	146.52	0.15	44.01	129.13	288.83	29.03	106.31	20.70	1.12	14.75	2.30	8.88	1.10	4.32	0.27	3.10	0.25	48.73	3.12	14.15	583.82	809.58		
SMDH 00026b	120.2	101.23	0.09	39.90	90.24	190.12	22.05	73.49	13.91	1.12	8.85	1.03	4.66	0.88	1.84	0.27	2.27	0.25	37.63	3.23	10.60	729.57	427.67		
SMDH 00026	139.9	128.07	0.15	39.77	115.97	256.78	29.03	88.98	16.10	1.12	11.35	2.30	7.77	1.10	3.24	0.27	2.07	0.25	51.00	3.12	11.79	506.55	569.48		1.51
SMDH 00026	133.4	111.94	0.16	43.64	100.25	217.54	24.46	77.42	13.80	2.23	11.35	2.30	7.77	1.10	3.24	1.06	3.10	0.25	43.07	3.12	9.43	401.59	693.60	0.44	
SMDH 00026	145.4	123.74	0.19	46.42	103.05	225.21	25.90	86.67	14.95	1.12	11.35	2.30	8.88	2.19	3.24	1.06	4.13	1.01	45.33	3.12	12.97	508.98	799.35		
SMDH 00026	149.1	115.91	0.17	54.77	95.48	208.15	23.85	80.89	14.95	2.23	11.35	2.30	8.88	2.19	4.32	1.06	4.13	1.01	40.80	3.12	10.61	423.48	784.96		1.52
SMDH 00026	162.8	130.12	0.19	58.15	111.43	239.72	27.71	90.13	16.10	2.23	12.48	2.30	9.99	2.19	4.32	1.06	5.16	1.01	46.47	3.12	11.79	492.77	766.76		
SMDH 00026	179.7	156.10	0.23	54.28	131.57	284.81	32.89	109.78	19.55	2.23	15.89	3.44	9.99	2.19	4.32	1.06	4.13	1.01	56.67	3.12	16.51	606.78	870.43	0.43	
SMDH 00026	157.1	143.27	0.20	43.16	125.75	274.57	31.56	100.53	17.25	2.23	14.75	2.30	8.88	1.10	3.24	1.06	3.10	0.25	55.53	2.08	12.97	478.59	862.28		1.45
SMDH 00026	205.9	200.52	0.24	45.82	177.68	364.27	42.65	144.44	24.14	2.23	18.16	3.44	9.99	2.19	3.24	1.06	4.13	1.01	66.87	3.12	16.51	663.65	1114.51		
SMDH 00026	149.7	150.00	0.18	27.56	122.84	397.66	30.12	110.93	17.25	2.23	12.48	2.30	6.66	1.10	3.24	0.27	2.07	0.25	53.27	2.08	12.97	566.12	1071.00		
SMDH 00026	160.3	144.76	0.19	41.71	114.34	382.43	28.43	105.16	17.25	2.23	12.48	2.30	8.88	1.10	5.40	1.06	3.10	0.25	54.40	2.08	8.25	459.68	958.32	0.45	1.49
SMDH 00026	178.5	175.77	0.20	35.66	138.44	464.08	35.18	129.42	20.70	2.23	14.75	2.30	8.88	1.10	4.32	0.27	2.07	0.25	70.27	3.12	16.51	720.11	1071.00		
SMDH 00026	164.2	169.72	0.19	27.08	137.39	450.43	34.82	125.96	20.70	2.23	13.62	2.30	6.66	1.10	3.24	0.27	1.03	0.25	65.73	3.12	15.33	690.93	1233.78		
SMDH 00025b	97.1	88.51	0.11	24.54	70.56	222.29	17.11	64.71	10.35	1.12	7.94	1.15	5.55	1.10	3.24	0.27	2.07	0.25	34.00	2.08	8.25	377.95	495.45		1.42
SMDH 00025b	116.4	104.98	0.13	30.10	82.20	248.86	19.76	77.42	12.65	1.12	9.08	1.15	6.66	1.10	3.24	0.27	3.10	0.25	34.00	2.08	7.08	310.68	655.81	0.85	
SMDH 00025b	115.7	112.11	0.13	25.87	103.63	294.44	23.37	82.04	12.65	1.12	9.08	1.15	5.55	1.10	3.24	0.27	2.07	0.25	36.27	2.08	7.08	343.51	639.34		
SMDH 00025b	105.5	94.68	0.13	29.50	83.95	272.74	19.76	69.33	11.50	1.12	9.08	1.15	4.44	1.10	3.24	0.27	2.07	0.25	37.40	2.08	8.25	392.81	717.18		1.35
SMDH 00025b	73.7	72.50	0.09	12.69	52.86	106.03	12.65	53.16	9.20	1.12	10.21	1.15	5.55	1.10	2.16	0.27	2.07	0.25	14.73	1.04	7.08	156.15	679.91		
SMDH 00025b	116.9	109.89	0.13	25.87	81.97	176.59	20.00	83.20	13.80	1.12	7.94	1.15	5.55	1.10	2.16	0.27	2.07	0.25	31.73	2.08	8.25	377.14	508.46	0.19	
SMDH 00025b	132.9	119.13	0.13	32.76	85.81	191.34	21.20	88.98	13.80	2.23	10.21	2.30	6.66	1.10	2.16	0.27	3.10	0.25	31.73	2.08	10.61	419.56	512.44		1.39
SMDH 00025b	116.4	105.27	0.15	29.98	80.11	184.27	20.00	78.58	12.65	1.12	9.08	1.15	5.55	1.10	2.16	0.27	3.10	0.25	30.60	2.08	9.43	406.19	516.43		
SMDH 00025	124.5	118.83	0.08	26.60	93.38	206.57	22.05	88.98	13.80	1.12	10.21	1.15	6.66	1.10	2.16	0.27	2.07	0.25	36.27	2.08	9.43	429.55	402.71		
SMDH 00025	82.7	77.70	0.08	18.26	61.01	131.38	14.34	57.78	9.20	1.12	6.81	1.15	4.44	1.10	2.16	0.27	2.07	0.25	22.67	1.04	7.08	295.28	329.03	0.85	1.51
SMDH 00025	126.3	118.46	0.13	28.41	88.61	194.14	21.68	87.82	13.80	1.12	10.21	2.30	6.66	1.10	2.16	0.27	2.07	0.25	34.00	1.04	9.43	352.69	516.43		
SMDH 00025	134.9	117.02	0.14	38.20	89.07	190.85	21.44	85.51	13.80	1.12	10.21	2.30	7.77	1.10	3.24	1.06	4.13	1.01	30.60	2.08	8.25	339.59	496.49		
SMDH 00025	81.6	79.00	0.12	19.46	69.86	160.50	17.95	55.47	10.35	1.12	6.81	1.15	4.44	1.10	2.16	0.27	2.07	0.25	30.60	1.04	7.08	286.37	409.99		1.50
SMDH 00025	93.2	75.66	0.14	36.87	79.87	172.32	20.48	47.38	12.65	1.12	6.81	1.15	6.66	1.10	3.24	0.27	3.10	0.25	29.47	2.08	7.08	342.16	511.06	0.74	
SMDH 00025	110.5	91.67	0.12	38.08	78.24	181.22	20.36	62.40	12.65	1.12	9.08	1.15	7.77	1.10	4.32	0.27	3.10	0.25	32.87	2.08	5.90	257.73	439.11		
SMDH 00025	133.9	105.61	0.15	48.84	83.14	190.73	21.68	71.64	13.80	1.12	10.21	2.30	9.99	1.10	5.40	1.06	5.16	1.01	36.27	2.08	9.43	398.49	512.96		1.44
SMDH 00025	136.4	120.15	0.18	39.77	99.20	227.29	25.78	83.20	14.95	2.23	11.35	2.30	8.88	1.10	4.32	0.27	3.10	0.25	43.07	2.08	10.61	426.85	680.08		
SMDH 00025	128.6	100.96	0.16	48.12	86.28	196.82	21.56	69.33	11.50	1.12	9.08	2.30	7.77	1.10	4.32	1.06	4.13	1.01	36.27	2.08	9.43	376.87	501.35		1.49
SMDH 00025	148.0	126.71	0.13	47.87	115.62	253.12	27.71	88.98	16.10	1.12	11.35	1.15	8.88	1.10	5.40	1.06	4.13	1.01	52.13	3.12	12.97	530.32	794.50		
SMDH 00025	135.1	119.17	0.13	40.74	102.58	225.95	25.90	84.36	16.10	1.12	11.35	1.15	7.77	1.10	4.32	1.06	3.10	0.25	48.73	3.12	10.61	465.08	698.28		
SMDH 00024b	231.9	216.26	0.11	62.62	193.40	426.79	48.07	153.69	26.44	1.12	18.16	2.30	12.21	2.19	6.48	1.06	5.16	1.01	91.80	4.17	20.05	802.11	626.51	1.23	1.51
SMDH 00024b	107.8	110.50	0.10	21.40	103.98	220.46	25.18	79.73	13.80	1.12	9.08	1.15	4.44	1.10	2.16	0.27	1.03	0.25	49.87	2.08	10.61	462.65	749.42		
SMDH 00024b	103.4	106.86	0.09	18.13	101.76	212.30	23.85	77.42	12.65	2.23	7.94	1.15	4.44	1.10	2.16	0.27	1.03	0.25	44.20	2.08	7.08	286.91	737.11		
SMDH 00024b	66.1	69.25	0.06	11.61	65.55	136.98	15.90	50.84	8.05	1.12	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	28.33	1.04	3.54	137.92	432.01		1.57
SMDH 00024b	85.4	79.68	0.08	20.91	73.82	157.82	17.47	56.62	10.35	2.23	5.67	1.15	4.44	1.10	2.16	0.27	2.07	0.25	32.87	2.08	5.90	259.89	569.13	0.70	
SMDH 00024b	121.7	107.32	0.10	36.51	93.61	203.64	23.25	76.27	13.80	1.12	10.21	1.15	6.66	1.10	3.24	0.27	3.10	0.25	44.20	3.12	9.43	390.79	694.12		
SMDH 00024b	101.5	75.59	0.12	40.62	64.39	136.98	15.78	52.00	9.20	1.12	6.81	1.15	6.66	1.10	3.24	0.27	3.10	0.25	28.33	2.08	10.61	399.30	796.40		1.38
SMDH 00024b	89.6	49.80	0.19	48.36	41.33	82.38	9.64	32.36	5.75	1.12	5.67	1.15	6.66	1.10	4.32	1.06	4.13	1.01	17.00	1.04	14.15	580.30	1138.61		
SMDH 00024b	103.6	79.66	0.11	39.17	68.70	143.07	16.38	55.47	9.20	1.12	7.94	1.15	6.66	1.10	3.24	0.27	3.10	0.25	32.87	2.08	9.43	399.70	672.28	0.60	
SMDH 00024b	97.9	83.58	0.08	31.19	74.75	153.43	17.95	58.93	10.35	1.12	7.94	1.15	5.55	1.10	2.16	0.27	2.07	0.25	37.40	3.12	9.43	352.15	564.28		1.35
SMDH 00024b	103.3	72.03	0.12	44.73	59.62	126.50	14.58	48.53	9.20	1.12	6.81	1.15	7.77	1.10	4.32	1.06	4.13	0.25	28.33	3.12	8.25	358.91	710.94		
SMDH 00024b	116.2	99.98	0.13	36.75	85.00	185.61	21.68	70.49	12.65	1.12	9.08	1.15	6.66	1.10	3.24	0.27	3.10	0.25	43.07	2.08	10.61	445.49	763.81		
SMDH 00024b	149.5	135.14	0.18	42.43	116.78	251.30	29.15	97.07	17.25	1.12	11.35	1.15	7.77	1.10	3.24	1.06	3.10	1.01	51.00	2.08	12.97	500.20	1047.08	0.87	1.35
SMDH 00024b	66.3	63.86	0.16	14.14	58.10	125.77	13.97	47.38	6.90	2.23	4.54	0.29	2.22	0.27	1.08	0.27	1.03	0.25	24.93	2.08	31.84	1290.28	1493.13		
SMDH 00024b	159.9	149.94	0.15	41.23	132.97	294.92	32.41	107.47	17.25	1.12	12.48	2.30	7.77	1.10	3.24	1.06	3.10	0.25	56.67	2.08	12.97	522.62	802.99		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	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	130.2	109.82	0.15	42.80	90.94	210.47	23.49	76.27	13.80	1.12	10.21	2.30	7.77	1.10	3.24	1.06	4.13	1.01	44.20	3.12	14.15	549.37	712.50		1.31
SMDH 00024	114.6	90.39	0.12	40.98	74.52	159.89	19.03	62.40	11.50	2.23	9.08	2.30	6.66	1.10	3.24	1.06	3.10	0.25	32.87	2.08	7.08	306.09	569.65	0.96	
SMDH 00024	122.7	96.58	0.13	44.49	80.22	178.17	20.60	67.02	12.65	2.23	9.08	2.30	6.66	1.10	3.24	1.06	4.13	1.01	35.13	2.08	9.43	398.22	609.87		
SMDH 00024	135.3	134.21	0.13	28.17	108.87	244.96	28.19	97.07	17.25	1.12	12.48	2.30	6.66	1.10	2.16	0.27	2.07	0.25	51.00	2.08	14.15	537.21	827.26		1.62
SMDH 00024	126.4	126.12	0.12	25.03	108.52	243.13	26.99	91.29	16.10	2.23	11.35	2.30	5.55	1.10	2.16	0.27	1.03	0.25	48.73	2.08	10.61	466.43	762.77		
SMDH 00024	139.1	137.89	0.15	29.62	116.09	259.95	29.52	100.53	17.25	1.12	11.35	2.30	5.55	1.10	2.16	0.27	2.07	0.25	52.13	2.08	14.15	548.97	943.93	0.45	
SMDH 00024	147.5	158.34	0.12	21.88	139.02	311.38	34.94	115.56	19.55	2.23	12.48	2.30	5.55	1.10	1.08	0.27	1.03	0.25	63.47	2.08	9.43	389.71	595.31		1.59
SMDH 00024	143.6	132.09	0.19	38.81	108.17	248.49	28.43	93.60	16.10	1.12	12.48	2.30	7.77	1.10	3.24	0.27	3.10	0.25	51.00	2.08	11.79	480.75	700.88		
SMDH 00024	158.8	154.37	0.15	35.54	125.17	278.23	33.37	110.93	19.55	2.23	12.48	2.30	7.77	1.10	2.16	0.27	2.07	0.25	56.67	2.08	10.61	454.41	700.88		
SMDH 00023b	136.4	140.25	0.14	25.75	116.20	266.41	30.72	101.69	17.25	1.12	11.35	2.30	5.55	1.10	2.16	0.27	2.07	0.25	55.53	2.08	12.97	519.92	612.99	0.58	1.39
SMDH 00023b	111.0	102.21	0.09	29.98	88.26	186.22	22.29	75.34	12.65	1.12	7.72	0.92	3.66	0.66	1.40	0.27	1.24	0.25	41.71	3.33	8.00	461.70	435.65		1.65
SMDH 00023b	91.7	83.75	0.14	23.82	74.75	125.04	18.07	60.09	10.35	2.23	6.81	1.15	4.44	1.10	1.08	0.27	2.07	0.25	18.13	1.04	14.15	593.81	729.66		
SMDH 00023b	85.5	90.10	0.13	14.02	77.08	168.67	19.76	65.87	11.50	1.12	7.94	1.15	3.33	1.10	1.08	0.27	1.03	0.25	31.73	1.04	11.79	485.34	894.00		1.48
SMDH 00023b	130.3	142.79	0.13	17.29	124.00	282.49	32.04	105.16	17.25	2.23	10.21	1.15	4.44	1.10	1.08	0.27	1.03	0.25	56.67	2.08	11.79	541.67	829.69	0.79	
SMDH 00023b	96.9	101.92	0.13	16.20	94.66	214.73	23.49	73.96	12.65	2.23	9.08	1.15	3.33	1.10	1.08	0.27	1.03	0.25	38.53	2.08	9.43	428.61	730.01		
SMDH 00023b	137.2	136.42	0.09	27.93	119.11	238.01	28.67	102.61	16.67	1.56	9.53	1.03	4.11	0.66	1.19	0.27	0.26	0.25	46.24	3.33	9.85	483.05	335.62		
SMDH 00023b	115.8	116.28	0.16	22.49	101.88	221.44	25.18	85.51	14.95	2.23	9.08	1.15	4.44	1.10	1.08	0.27	2.07	0.25	45.33	2.08	12.97	552.34	879.61		
SMDH 00023b	124.2	111.14	0.17	35.54	90.12	202.06	23.61	78.58	13.80	1.12	10.21	2.30	6.66	1.10	3.24	0.27	3.10	0.25	44.20	2.08	11.79	459.14	682.68	0.37	
SMDH 00023b	128.4	109.99	0.16	42.07	92.57	211.32	24.82	75.11	13.80	1.12	10.21	2.30	7.77	1.10	3.24	1.06	4.13	0.25	47.60	2.08	11.79	496.15	690.48		1.48
SMDH 00023b	121.2	101.13	0.13	40.62	84.30	186.22	21.68	70.49	12.65	1.12	9.08	2.30	6.66	1.10	3.24	1.06	4.13	1.01	43.07	2.08	9.43	399.97	589.07		
SMDH 00023b	125.7	102.96	0.16	44.01	82.67	188.41	22.41	70.49	13.80	1.12	10.21	2.30	7.77	1.10	4.32	1.06	5.16	1.01	45.33	2.08	11.79	444.55	620.27		
SMDH 00023	166.0	164.12	0.15	38.08	147.87	348.91	37.35	116.71	20.70	1.12	13.62	2.30	7.77	1.10	3.24	0.27	3.10	0.25	72.53	3.12	23.59	1095.50	544.17	1.00	1.61
SMDH 00023	132.1	132.91	0.16	27.20	107.00	246.54	29.15	95.91	17.25	1.12	11.35	2.30	5.55	1.10	2.16	0.27	2.07	0.25	57.80	2.08	17.69	751.18	727.41		
SMDH 00023	118.3	122.78	0.10	20.31	95.83	200.23	25.90	91.29	14.95	1.12	9.08	1.15	4.44	1.10	2.16	0.27	2.07	0.25	46.47	1.04	8.25	389.98	641.94		1.40
SMDH 00023	162.4	169.95	0.13	27.44	132.85	284.32	36.14	127.11	19.55	1.12	12.48	1.15	5.55	1.10	3.24	0.27	3.10	0.25	63.47	2.08	12.97	599.62	848.41	1.39	
SMDH 00023	118.3	131.49	0.09	14.51	110.73	238.74	28.79	98.22	14.95	1.12	10.21	1.15	3.33	0.27	1.08	0.27	1.03	0.25	51.00	1.04	11.79	569.50	764.51		
SMDH 00023	179.2	188.62	0.09	18.86	104.44	224.61	29.39	152.53	13.80	1.12	5.67	1.15	5.55	0.27	1.08	0.27	1.03	0.25	46.47	1.04	5.90	379.44	697.94		1.58
SMDH 00023	173.4	190.27	0.11	16.56	124.12	250.44	35.66	147.91	13.80	2.23	5.67	1.15	5.55	1.10	2.16	0.27	1.03	0.25	52.13	1.04	7.08	299.07	714.58		
SMDH 00023	66.5	69.51	0.07	11.12	61.48	132.23	15.30	50.84	8.05	1.12	6.81	1.15	2.22	0.27	1.08	0.27	1.03	0.25	26.07	1.04	7.08	273.54	533.07	0.77	
SMDH 00023	151.1	150.40	0.13	32.40	131.57	289.20	32.77	110.93	17.25	1.12	10.21	1.15	5.55	1.10	3.24	0.27	3.10	0.25	55.53	2.08	12.97	647.03	959.53		1.46
SMDH 00023	84.9	90.34	0.09	13.42	78.59	168.06	20.00	65.87	10.35	1.12	6.81	1.15	3.33	1.10	2.16	0.27	1.03	0.25	34.00	1.04	8.25	325.41	728.27		
SMDH 00023	137.0	129.04	0.10	34.45	110.50	235.09	27.59	94.76	14.95	1.12	9.08	1.15	5.55	1.10	3.24	0.27	3.10	1.01	46.47	1.04	8.25	431.31	694.99		
SMDH 00023	126.3	123.50	0.11	28.29	103.39	224.12	26.62	91.29	13.80	1.12	7.94	1.15	4.44	1.10	3.24	0.27	3.10	0.25	44.20	1.04	10.61	518.03	776.64	0.46	1.36
SMDH 00023	104.5	107.70	0.09	19.22	91.98	194.75	23.49	79.73	12.65	1.12	6.81	1.15	3.33	1.10	2.16	0.27	1.03	0.25	43.07	1.04	9.43	434.55	681.29		
SMDH 00023	120.0	121.43	0.14	24.30	107.24	224.24	26.86	88.98	13.80	1.12	10.21	1.15	4.44	1.10	2.16	0.27	2.07	0.25	49.87	1.04	11.79	488.31	887.94		
SMDH 00022b	200.2	184.16	0.09	55.13	153.00	351.11	40.00	136.24	22.88	0.89	12.71	1.49	6.44	1.21	2.59	0.27	2.68	0.25	75.14	4.37	7.42	583.01	275.81		
SMDH 00022b	123.1	135.06	0.12	17.05	130.64	241.42	31.20	99.38	14.95	2.23	9.08	1.15	3.33	1.10	1.08	0.27	1.03	0.25	52.13	1.04	8.25	370.79	681.29	1.60	
SMDH 00022b	84.5	82.27	0.06	18.86	73.59	153.31	17.71	60.09	10.35	1.12	6.81	1.15	3.33	1.10	1.08	0.27	1.03	0.25	28.33	1.04	5.90	266.65	402.02		
SMDH 00022b	174.9	172.94	0.16	37.84	143.22	312.35	38.07	125.96	21.85	2.23	13.62	1.15	7.77	1.10	3.24	0.27	3.10	0.25	69.13	2.08	14.15	610.83	990.22		1.48
SMDH 00022b	153.4	153.02	0.14	32.40	120.16	266.04	33.13	112.09	18.40	1.12	12.48	1.15	6.66	1.10	3.24	0.27	3.10	0.25	61.20	2.08	11.79	456.71	713.36		
SMDH 00022b	189.5	177.40	0.17	48.96	144.61	313.81	37.95	129.42	21.85	1.12	15.89	1.15	8.88	1.10	5.40	1.06	5.16	1.01	70.27	2.08	10.61	441.85	718.05	0.60	
SMDH 00022b	178.9	163.74	0.22	48.72	129.01	276.40	34.70	119.02	19.55	1.12	13.62	1.15	8.88	1.10	5.40	1.06	6.20	1.01	63.47	3.12	11.79	465.76	821.89		1.48
SMDH 00022b	472.2	375.99	0.56	176.63	315.89	682.47	82.64	257.69	43.69	2.23	37.45	4.59	31.07	6.57	19.45	3.18	28.92	4.02	157.54	5.21	8.25	306.50	498.75		
SMDH 00022b	252.5	225.89	0.25	70.48	185.60	389.62	46.14	165.24	28.74	2.23	18.16	2.30	12.21	2.19	8.64	1.06	9.29	1.01	87.27	3.12	8.25	433.34	738.85		
SMDH 00022b	257.9	210.53	0.34	91.03	185.48	391.69	45.90	147.91	26.44	2.23	19.29	2.30	14.43	3.29	11.89	1.06	11.36	2.01	83.87	3.12	11.79	528.97	560.98	0.53	1.35
SMDH 00022	204.1	161.43	0.15	75.08	133.32	304.43	33.73	118.21	19.78	1.34	11.92	1.49	7.99	1.53	3.46	0.64	3.72	0.70	65.51	4.27	9.92	593.95	424.73		
SMDH 00022	189.3	142.00	0.20	76.16	120.98	279.93	30.12	103.08	18.05	1.23	10.67	1.38	7.44	1.64	3.78	0.64	4.13	0.80	53.72	3.54	7.12	417.53	551.10		
SMDH 00022	154.8	158.88	0.17	28.05	133.55	277.38	33.25	116.71	19.55	1.12	12.48	1.15	7.77	1.10	4.32	0.27	4.13	1.01	55.53	2.08	12.97	526.00	981.20		1.43
SMDH 00022	144.9	133.29	0.18	37.96	121.33	227.41	28.43	96.84	15.41	2.12	10.10	1.15	6.88	1.31	3.24	0.53	3.30	0.50	43.52	1.87	10.85	459.27	718.22	4.56	
SMDH 00022	24.2	29.13	0.10	17.41	100.13	205.72	23.97	0.58	12.88	1.68	7.49	0.80	3.77	0.66	1.30	0.27	1.24	0.25	40.23	1.25	9.20	401.32	404.44		
SMDH 00022	119.6	105.98	0.13	33.37	92.10	291.51	20.84	78.00	12.53	1.12	7.15	1.03	6.10	1.31	3.89	0.27	2.99	0.25	35.93	1.56	10.14	428.74	557.17		1.37
SMDH 00022	105.8	94.50	0.11	29.14	80.92	259.70	19.15	69.10	12.07	1.34	7.04	0.92	5.33	0.99	3.67	0.27	2.68	0.25	30.94	1.35	8.96	395.24	458.18		
SMDH 00021b	90.2	82.75	0.12	22.73	66.25	261.17	16.02	61.82	10.12	0.78	6.36	0.80	4.11	0.77	2.59	0.27	2.27	0.25	35.70	1.46	14.03	607.59	699.67	0.70	
SMDH 00021b	82.2	82.00	0.15	16.08	71.96	261.90	16.62	61.36	11.50	0.78	5.67	0.57	3.44	0.55	2.05	0.27	1.55	0.25	45.67	1.15	10.38	464.13	687.19		1.47
SMDH 00021b	71.6	73.46	0.10	13.78	67.42	215.71	16.26	53.73	9.66	0.67	5.45	0.57	2.89	0.55	1.94	0.27	1.65	0.25	40.46	0.83	9.08	374.71	534.46		
SMDH 00021b	71.2	66.72	0.11	17.53	58.33	214.37	13.73	50.04	7.93	0.67	4.43	0.29	2.66	0.55	2.38	0.27	2.38	0.25	39.10	0.94	12.62	526.54	718.22		
SMDH 00021b	136.6	131.90	0.12	30.34	112.71	399.24	27.11	97.88	15.64	1.45	9.76	1.03	5.88	0.99	3.78	0.27	3.72	0.25	50.32	1.25	12.03	503.71	707.82	0.78	1.55
SMDH 00021b	164.6	130.71	0.15	57.42	112.36	320.27	24.82	96.95	13.22	1.23	11.46	2.07	6.88	1.64	4.21	0.53	5.99	0.80	44.88	1.25	13.33	510.60	663.26		
SMDH 00021b	149.8	141.46	0.17	34.09	118.65	354.15	27.11	106.08	16.67	1.34	11.69	1.84	6.44	0.99	2.59	0.27	3.20	0.25	52.70	1.04	15.92	654.60	837.66		
SMDH 00021b	135.0	132.58	0.13	26.84	112.71	337.70	25.42	101.34	15.75	1.01	10.33	1.49	4.33	0.77	1.84	0.27	2.17	0.25	48.73	1.04	11.67	498.31	746.65		1.68
SMDH 00021b	178.2	198.09	0.30	22.73	98.62	296.75	43.61	150.45	10.81	1.01	6.47	1.03	3.00	0.55	1.51	0.27	1.34	0.25	35.13	0.26	8.73	529.92	832.63	0.60	
SMDH 00021b	83.6	78.71	0.09	18.62	68.35	194.63	14.82	60.20	9.20	1.12	6.24	0.92	2.77	0.55	1.40	0.27	1.24	0.25	26.86	0.52	10.02	397.41	483.84		
SMDH 00021	135.7	112.85	0.12	45.82	96.18	234.96	24.09	82.39	14.49	1.12	8.74	1.15	5.22	1.10	2.38	0.27	2.48	0.25	49.98	2.60	9.53	698.23	433.39		1.61
SMDH 00021	87.6	83.36	0.08	21.04	62.64	80.43	18.31	61.24	15.87	1.56	4.99	0.80	3.00	0.55	1.30	0.64	1.34	0.25	13.49	0.62	8.61	376.20	420.04	0.92	
SMDH 00021	64.2	55.31	0.11	18.01	55.42	121.02	10.24	41.72	5.40	1.12	4.88	0.69	2.66	0.27	1.19	0.27	1.14	0.25	13.71	0.26	13.68	600.16	803.16		1.50
SMDH 00021	174.6	157.04	0.21	46.67	143.10	440.92	30.36	117.06	18.05	1.23	12.60	2.30	7.32	1.42	3.78	0.53	4.75	0.60	54.74	1.04	16.63	672.70	881.87		
SMDH 00021	130.9	128.38	0.11	22.73	106.89	346.72	21.81	101.23	14.37	1.56	8.17	0.57	4.77	0.77	2.05	0.27	1.76	0.25	45.33	0.52	16.98	450.09	838.18		
SMDH 00021	107.8	114.58	0.09	12.09	93.85	307.96	20.36	90.83	12.42	1.45	7.83	0.29	3.11	0.27	0.97	0.27	0.62	0.25	43.07	0.73	18.16	443.33	794.32	0.56	1.60
SMDH 00021	137.7	150.58	0.09	11.61	126.45	418.38	26.02	120.99	15.64	1.56	8.74	0.57	3.00	0.27	0.86	0.27	0.26	0.25	55.76	0.52	23.00	577.60	988.66		
SMDH 00021	101.5	95.18	0.09	20.55	79.41	249.71	15.90	75.00	10.12	1.68	6.47	0.29	3.99	0.66	1.73	0.27	1.24	0.25	35.13	0.26	15.21	378.49	777.33		
SMDH 00020b	64.5	58.01	0.05	16.08	47.51	171.10	10.24	44.37	7.36	0.67	5.22	0.29	3.11	0.27	1.30	0.27	1.14	0.25	24.37	0.73	13.80	384.71	291.59		1.61
SMDH 00020b	79.6	69.76	0.07	21.52	57.75	153.31	12.89	52.81	9.31	1.23	6.36	0.29	3.77	0.66	1.51	0.27	1.14	0.25	28.45	0.62	8.49	227.61	415.36	0.62	
SMDH 00020b	150.2	118.15	0.10	49.32	91.63	294.80	19.40	88.52	15.75	2.12	12.03	0.92	9.32	1.53	3.89	0.27	2.79	0.25	30.94	0.83	12.15	312.71	502.91		
SMDH 00020b	124.0	107.50	0.14	35.54	88.37	185.49	22.29	76.96	15.18	3.24	10.33	1.38	6.88	1.31	3.24	1.49	3.10	0.50	40.46	1.46	10.50	415.37	595.14		1.65
SMDH 00020b	190.3	173.11	0.12	43.04	137.98	440.31	28.31	135.78	22.99	2.46	9.19	1.03	7.99	1.42	3.46	0.27	2.38	0.25	59.39	1.35	17.57	462.51	823.45		
SMDH 00020b	76.0	79.04	0.08	11.36	64.04	203.28	15.54	60.55	12.07	1.12	5.79	0.29	2.66	0.27	0.97	0.27	0.52	0.25	26.07	0.73	6.25	265.16	384.33	0.71	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00020	124.5	123.70	0.11	23.57	94.78	318.20	23.73	94.06	17.82	1.01	9.42	0.80	5.10	0.88	3.24	0.27	2.07	0.25	40.91	2.71	22.64	1014.45	414.15		1.69
SMDH 00020	85.8	91.61	0.08	10.52	78.48	236.91	17.59	71.18	9.77	1.23	5.45	0.29	2.55	0.27	1.30	0.27	0.62	0.25	27.88	0.94	7.31	324.19	507.59		
SMDH 00020	70.4	76.63	0.07	7.13	62.64	194.63	14.58	60.32	9.31	1.23	4.54	0.29	1.44	0.27	0.76	0.27	0.72	0.25	23.69	0.52	6.49	262.33	424.73		
SMDH 00020	20.9	17.75	0.03	4.84	19.10	35.46	3.86	12.94	2.30	2.12	1.36	0.29	0.67	0.27	0.27	0.27	0.26	0.25	4.31	1.25	2.83	113.74	182.72		
SMDH 00020	94.3	93.80	0.11	16.80	77.31	245.69	17.35	71.99	9.89	1.01	5.56	0.57	3.88	0.77	2.38	0.27	2.48	0.25	30.03	0.83	7.67	310.14	543.65		
SMDH 00020	114.5	118.98	0.10	17.65	98.50	319.79	23.25	90.94	14.37	1.12	7.72	0.57	4.22	0.77	2.49	0.27	1.96	0.25	39.78	1.67	8.14	373.63	645.58		
SMDH 00020	91.3	103.00	0.06	8.70	83.14	276.28	21.20	79.73	12.88	0.78	6.47	0.29	1.78	0.27	0.86	0.27	0.83	0.25	33.77	1.04	8.37	367.28	550.06		1.55
SMDH 00020	42.4	41.24	0.08	8.10	36.91	140.39	8.07	31.55	5.52	1.12	2.95	0.29	1.33	0.27	1.08	0.27	0.93	0.25	11.90	0.62	6.25	281.78	384.33	0.58	
SMDH 00019b	122.1	138.51	0.08	10.03	123.07	396.69	27.83	107.00	17.82	1.34	8.62	0.57	3.11	0.27	1.08	0.27	0.26	0.25	48.62	1.25	8.84	432.80	471.53		
SMDH 00019b	48.0	45.67	0.08	10.88	41.33	165.99	9.76	33.63	5.63	1.23	3.29	0.29	2.00	0.27	1.19	0.27	1.24	0.25	14.96	0.52	5.66	268.40	363.53		1.46
SMDH 00019b	69.1	58.63	0.09	19.95	44.59	134.79	11.08	44.49	6.67	1.56	4.77	0.29	2.77	0.66	2.92	0.27	2.27	0.25	18.25	0.52	5.78	248.28	383.99		
SMDH 00019b	78.5	69.09	0.10	22.85	58.22	185.61	14.94	49.80	8.51	1.45	5.33	0.57	3.77	0.77	3.35	0.27	3.61	0.25	26.52	0.83	14.27	587.46	547.12	0.67	
SMDH 00019b	31.3	28.22	0.08	8.10	25.03	73.37	6.26	20.34	4.71	1.23	2.16	0.29	1.33	0.27	1.19	0.27	0.93	0.25	8.84	0.26	8.96	371.47	543.65		1.48
SMDH 00019b	143.2	132.16	0.11	37.11	102.70	291.88	27.59	97.88	18.05	1.56	10.33	1.03	5.66	1.10	3.78	0.53	2.58	0.25	49.75	2.19	10.85	471.29	889.50		
SMDH 00019b	136.4	122.03	0.15	38.93	100.37	274.21	25.78	89.32	17.71	1.23	10.78	1.26	5.66	1.31	3.89	0.53	2.89	0.50	44.99	1.98	11.20	480.61	830.03		
SMDH 00019b	132.3	119.99	0.16	37.11	108.52	292.12	26.26	87.36	15.29	1.45	9.53	1.26	5.10	1.21	3.46	0.27	2.68	0.25	44.31	1.87	13.09	527.76	940.29	0.65	1.37
SMDH 00019b	137.6	124.72	0.17	38.57	112.01	305.53	26.99	90.36	19.55	1.34	10.55	1.26	6.10	1.10	3.89	0.53	2.58	0.50	47.49	2.08	12.26	525.46	842.69		
SMDH 00019b	134.2	120.38	0.18	38.81	100.72	279.20	26.02	86.44	15.06	1.01	9.65	1.38	6.55	1.31	4.00	0.64	2.99	0.25	45.90	2.19	11.32	464.81	914.98		
SMDH 00019b	51.9	45.79	0.28	15.23	41.80	87.99	10.24	32.82	6.09	1.12	3.97	0.29	2.44	0.27	1.30	0.27	1.55	0.25	17.23	3.44	11.09	404.29	676.27		
SMDH 00019b	54.2	49.46	0.16	14.39	42.96	112.73	10.72	36.05	6.09	1.12	3.97	0.57	2.11	0.27	1.62	0.27	1.03	0.25	19.15	1.35	18.75	841.95	1536.81	0.65	
SMDH 00019b	37.5	36.04	0.17	8.58	34.12	89.45	8.43	25.77	4.83	1.34	3.40	0.29	1.55	0.27	0.76	0.27	0.72	0.25	14.73	0.83	17.45	797.92	1594.19		
SMDH 00019b	94.7	83.93	0.12	28.89	75.80	209.74	19.40	59.40	11.38	1.23	7.04	0.92	4.22	0.88	2.70	0.27	1.76	0.25	33.66	1.77	12.03	498.31	883.08		1.38
SMDH 00019	107.1	101.56	0.08	26.35	79.99	245.69	22.05	73.26	14.60	1.23	9.08	1.26	4.99	0.88	2.59	0.27	1.55	0.25	46.01	4.37	12.68	452.52	520.07		
SMDH 00019	122.5	119.29	0.10	26.72	113.06	228.63	25.54	88.05	14.14	2.01	9.08	1.03	4.66	0.88	2.38	0.27	1.24	0.25	37.17	1.04	8.84	369.04	698.46	0.83	
SMDH 00019	46.6	43.74	0.07	10.88	45.29	67.76	9.88	32.24	5.06	1.90	2.84	0.29	1.33	0.27	0.76	0.27	0.26	0.25	8.05	0.52	13.56	373.36	996.98		1.55
SMDH 00019	28.3	20.23	0.11	11.36	17.00	36.44	4.34	14.21	1.72	1.01	1.59	0.57	1.11	0.27	0.65	0.27	0.83	0.25	6.46	2.81	15.45	424.42	999.58		
SMDH 00019	82.6	76.01	0.10	21.88	70.91	146.24	16.38	56.16	9.54	1.12	5.45	0.80	2.66	0.55	0.97	0.27	1.14	0.25	30.49	0.83	12.97	380.25	795.36	0.50	1.56
SMDH 00019	119.3	103.36	0.12	37.24	94.31	200.72	22.53	75.11	15.52	1.23	9.19	1.72	3.99	0.77	1.84	0.27	1.34	0.25	41.59	0.94	12.62	366.47	814.26		
SMDH 00019	146.5	126.00	0.14	45.46	107.24	228.63	26.14	93.37	16.10	1.23	9.76	1.72	4.77	0.99	2.38	0.27	2.79	0.25	49.64	1.35	16.39	502.77	849.10		
SMDH 00019	125.6	109.15	0.12	38.81	93.73	203.52	23.25	80.08	13.57	0.89	8.85	1.38	4.44	0.77	1.94	0.27	2.07	0.25	46.24	1.25	14.51	389.44	789.99		1.44
SMDH 00019	126.1	113.10	0.12	35.54	98.39	216.44	23.73	83.78	15.41	1.23	7.94	1.38	4.22	0.77	1.94	0.27	1.76	0.25	47.37	1.04	12.50	369.31	776.64	0.62	
SMDH 00018b	125.3	111.90	0.11	34.82	93.85	230.70	22.41	83.78	13.80	1.01	8.74	1.72	3.99	0.77	1.84	0.27	1.86	0.25	41.82	1.87	18.28	508.17	696.03		
SMDH 00018b	180.0	188.11	0.15	31.31	176.17	543.42	41.80	136.70	25.98	2.35	16.00	1.72	7.88	1.21	3.13	0.64	2.99	0.25	67.89	2.50	19.10	687.15	839.74		1.44
SMDH 00018b	142.1	143.32	0.12	26.84	124.24	389.37	30.00	105.50	17.71	1.90	11.69	1.49	6.33	0.88	2.92	0.53	2.79	0.25	51.34	2.08	14.86	557.48	834.89		
SMDH 00018b	121.1	115.08	0.10	29.98	102.70	319.05	25.66	82.28	17.94	1.68	11.01	1.26	5.88	1.10	4.54	0.64	3.41	0.50	43.29	1.87	14.98	564.23	701.40	0.66	
SMDH 00018b	127.3	119.00	0.13	33.13	102.93	334.65	26.38	84.47	18.05	1.56	11.46	1.38	6.77	0.99	4.11	0.53	3.51	0.50	44.54	2.60	13.80	518.03	679.56		1.49
SMDH 00018b	113.6	108.54	0.11	27.81	96.53	305.16	23.61	78.35	14.14	0.89	9.76	1.15	5.44	1.10	4.32	0.53	3.30	0.25	39.44	1.77	13.44	506.69	599.47		
SMDH 00018b	79.0	73.19	0.10	20.67	64.97	205.72	16.02	52.92	9.43	1.12	6.01	0.69	3.55	0.66	2.49	0.53	2.48	0.25	25.50	1.15	14.27	525.19	604.32		
SMDH 00018b	120.9	105.80	0.14	36.63	97.46	296.51	23.25	73.96	14.14	1.68	10.21	1.38	7.21	1.21	4.32	0.64	3.61	0.25	37.97	2.71	15.33	508.98	614.03	0.59	1.67
SMDH 00018b	117.0	100.83	0.16	36.03	91.75	282.49	21.93	71.76	12.99	2.12	9.08	1.15	5.99	1.31	4.65	0.64	3.51	0.50	37.17	1.98	14.86	590.16	701.40		
SMDH 00018b	109.4	98.08	0.14	32.28	91.52	265.31	22.77	68.06	14.37	1.79	8.06	1.15	6.10	1.21	4.00	0.53	2.99	0.25	28.33	1.77	10.38	379.44	589.76		
SMDH 00018b	108.4	77.28	0.19	45.21	65.44	144.42	15.30	56.16	9.31	1.23	6.24	1.38	4.44	1.10	2.49	0.27	2.68	0.25	25.73	1.25	11.56	516.01	697.76		1.58
SMDH 00018b	103.0	76.02	0.27	41.83	70.91	155.38	16.26	53.39	9.31	1.45	7.04	1.26	5.10	0.88	2.38	0.27	2.38	0.25	26.63	1.46	17.22	756.45	1122.66	0.66	
SMDH 00018b	83.4	71.58	0.23	26.35	66.83	137.96	15.78	51.88	9.31	1.23	5.67	1.03	2.89	0.27	1.19	0.27	1.24	0.25	22.78	1.35	12.50	581.11	844.94		
SMDH 00018	92.6	71.43	0.09	36.15	66.60	160.50	15.90	50.38	9.54	0.89	6.47	1.15	3.99	0.66	1.51	0.27	1.65	0.25	28.22	1.56	14.39	645.28	489.73		1.62
SMDH 00018	81.5	66.44	0.12	28.65	62.64	148.32	14.22	48.42	9.54	0.67	5.22	0.92	2.89	0.55	1.51	0.27	1.34	0.25	26.18	1.35	13.80	617.72	453.85		
SMDH 00018	60.1	42.91	0.06	24.78	37.84	79.09	8.79	31.43	5.63	1.23	2.95	0.57	2.11	0.27	1.40	0.27	1.14	0.25	14.28	0.83	7.55	333.11	459.74	0.79	
SMDH 00018	111.9	99.37	0.33	31.31	95.13	199.01	20.72	73.38	10.81	1.90	8.97	1.72	3.55	0.77	1.84	0.27	1.76	0.25	35.25	2.40	16.75	780.63	1006.16		1.50
SMDH 00018	109.6	73.87	0.25	49.57	65.90	139.78	15.18	51.65	11.27	1.34	6.81	1.49	5.55	1.10	2.92	0.53	3.30	0.25	24.71	1.77	14.15	607.86	674.71		
SMDH 00018	90.9	72.08	0.28	32.64	66.14	139.30	15.18	51.31	8.51	1.34	6.36	1.49	4.11	0.55	1.73	0.27	1.55	0.25	21.76	1.77	12.26	547.07	749.42		
SMDH 00018	133.2	90.38	0.26	59.36	77.08	175.13	18.07	65.17	14.14	1.56	7.94	1.03	6.10	1.31	4.21	0.85	5.99	0.70	32.41	1.77	12.50	647.03	861.76	0.56	1.34
SMDH 00018	171.0	111.16	0.25	80.03	97.57	217.66	21.81	80.66	17.36	1.56	10.67	1.38	7.32	1.86	6.27	1.06	7.54	0.91	39.78	2.29	13.44	685.26	814.95		
SMDH 00018	125.6	87.78	0.28	52.83	82.20	178.30	16.99	63.32	13.80	2.01	8.40	1.15	6.33	1.10	3.57	0.64	5.06	0.50	31.96	1.77	11.44	609.21	940.64		
SMDH 00222	147.4	136.54	0.14	36.03	121.68	290.05	26.74	103.31	20.58	1.56	11.58	1.49	4.99	0.99	2.49	0.27	2.99	0.25	48.85	2.19	15.68	833.04	750.64		1.44
SMDH 00222	109.7	110.54	0.10	21.64	98.50	268.84	24.09	80.20	13.34	1.56	9.42	1.15	5.10	0.77	2.59	0.27	1.86	0.25	36.95	2.29	15.92	662.97	755.14	0.49	
SMDH 00222	127.4	113.44	0.10	33.73	97.34	262.02	21.81	84.70	15.06	2.01	10.55	1.49	5.44	1.21	4.97	0.64	3.20	0.60	37.06	2.92	12.38	549.91	608.48		
SMDH 00222	120.7	121.17	0.12	24.66	110.38	315.76	27.11	87.36	14.95	2.01	10.10	1.38	5.33	0.77	2.81	0.27	2.07	0.25	43.97	3.23	20.52	821.29	817.55		1.65
SMDH 00222	82.3	91.58	0.11	9.91	85.81	233.01	21.08	67.37	10.81	1.90	5.90	0.57	2.55	0.27	0.86	0.27	1.03	0.25	33.32	1.35	14.86	567.74	723.94		
SMDH 00222	88.5	80.59	0.16	24.66	73.35	207.06	18.43	55.47	8.39	1.68	6.36	1.15	5.55	0.99	3.24	0.53	2.38	0.25	27.77	2.29	13.92	500.88	1067.19	0.62	
SMDH 00222	88.7	48.51	0.26	45.70	31.09	86.41	7.95	31.20	8.74	2.46	7.38	1.26	8.10	1.64	6.48	0.74	3.82	0.91	7.48	1.67	6.84	300.01	2018.92		1.92
SMDH 00222	57.4	43.31	0.13	20.55	39.01	108.22	8.55	30.74	5.52	2.12	4.43	0.69	3.33	0.77	2.92	0.27	1.96	0.25	11.45	0.62	9.55	387.00	911.17		
SMDH 00222	40.4	24.87	0.08	19.46	22.47	55.45	4.82	17.10	2.53	0.89	1.70	0.29	2.66	0.77	3.13	0.27	2.48	0.50	6.01	0.73	14.15	637.58	546.08		
SMDH 00223	280.0	281.29	0.12	56.82	243.58	646.88	60.36	207.08	33.92	2.23	25.87	2.98	10.88	2.08	7.78	1.06	4.85	0.70	112.31	5.62	46.23	1792.38	814.43	0.86	1.46
SMDH 00223	74.0	60.66	0.09	24.42	52.51	94.94	12.05	44.26	8.05	1.01	3.97	0.92	3.44	0.27	1.08	0.27	1.03	0.25	19.49	0.73	12.15	446.98	486.44		
SMDH 00223	97.3	90.55	0.10	23.45	72.89	142.71	18.19	66.33	12.07	1.45	7.38	1.15	4.88	0.27	1.08	0.27	1.14	0.25	29.58	1.04	11.44	486.56	665.86		
SMDH 00223	83.0	69.04	0.10	27.81	58.92	124.06	14.82	48.30	9.89	1.01	6.81	1.15	4.77	0.66	1.40	0.27	1.45	0.25	27.88	1.25	9.67	386.73	389.88		1.61
SMDH 00223	112.4	89.34	0.13	40.38	78.94	158.92	18.19	63.56	11.96	0.89	7.38	1.49	6.10	0.77	2.16	0.27	2.17	0.25	32.30	1.35	13.68	541.40	617.50		
SMDH 00223	98.5	79.72	0.11	35.54	71.61	144.17	17.59	54.54	11.50	0.78	7.60	1.38	6.21	0.77	2.05	0.27	1.86	0.25	30.94	1.77	11.09	444.95	586.47		1.61
SMDH 00223	77.5	70.39	0.09	21.64	65.79	141.98	15.78	50.04	11.15	1.23	5.45	0.80	3.77	0.27	1.19	0.27	0.83	0.25	32.53	0.83	16.27	660.81	807.32		
SMDH 00223	110.8	87.24	0.13	39.77	78.83	160.50	17.35	62.75	11.84	1.12	6.13	1.26	5.88	0.88	2.38	0.27	2.48	0.25	34.34	0.94	13.09	542.35	617.50	0.68	
SMDH 00223	132.9	108.17	0.12	44.73	94.08	191.46	21.20	79.04	12.19	1.23	7.83	1.38	6.55	0.88	2.59	0.53	2.58	0.25	42.39	1.25	16.51	684.45	841.82		1.52
SMDH 00224	46.4	46.16	0.06	10.28	41.22	138.93	10.60	33.16	5.86	0.56	3.75	0.29	2.11	0.55	1.30	0.27	1.03	0.25	20.63	0.83	8.49	386.33	398.03		
SMDH 00224	42.3	35.76	0.08	12.69	31.09	92.13	7.83	25.42	4.14	1.68	3.18	0.29	2.22	0.27	1.40	0.27	1.34	0.25	9.97	0.52	3.30	167.09	540.70		
SMDH 00224	35.9	29.13	0.12	11.97	25.15	81.17	6.38	20.57	3.10	1.23	2.50	0.29	1.89	0.27	1.62	0.27	1.03	0.25	10.09	0.94	10.02	497.23	677.83	0.74	1.63
SMDH 00224	39.5	28.04	0.12	16.08	24.22	69.71	5.78	19.53	2.53	1.12	2.72	0.29	2.44	0.55	2.27	0.27	1.96	0.25	8.27	0.73	10.97	495.61	623.05		
SMDH 00224	18.0	15.17	0.05	5.44	16.53	42.78	3.37	10.52	1.49	0.78	1.25	0.29	1.00	0.27	0.54	0.27	0.93	0.25	3.63	0.52	10.26	497.09	590.11		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00224	20.3	16.21	0.10	6.65	16.07	45.70	3.61	11.09	1.15	1.01	1.36	0.29	1.22	0.27	0.86	0.27	0.72	0.25	4.99	0.52	11.56	537.75	653.21		1.69
SMDH 00224	47.2	24.32	0.17	26.35	18.86	57.64	4.70	15.72	2.53	1.23	2.72	0.57	3.33	0.99	3.35	0.27	2.58	0.25	6.69	0.73	12.26	568.01	782.19	0.57	
SMDH 00224	52.9	27.55	0.13	29.50	21.89	68.49	5.42	17.56	2.99	1.23	2.95	0.57	3.99	1.21	3.67	0.27	3.51	0.25	7.59	0.62	11.91	535.86	669.68		
SMDH 00224	34.1	18.61	0.12	18.38	17.35	51.92	3.98	12.02	1.72	1.12	1.70	0.29	2.33	0.55	2.05	0.27	1.96	0.25	6.01	0.73	11.09	545.59	707.99		1.66
SMDH 00224	24.2	14.99	0.10	11.36	15.02	29.74	3.25	8.90	1.61	1.12	1.82	0.29	2.55	0.66	1.94	0.27	1.76	0.25	3.17	0.73	16.27	789.27	847.54		
SMDH 00225	126.8	125.41	0.14	29.14	117.37	256.66	29.76	85.40	16.21	2.01	14.19	1.49	8.77	1.53	4.21	0.27	2.99	0.50	42.95	2.60	16.63	819.40	689.09	1.14	
SMDH 00225	111.3	111.84	0.13	23.94	107.00	232.89	26.14	77.88	15.29	1.68	11.80	1.38	6.44	1.42	3.78	0.27	2.27	0.25	38.31	1.87	12.74	648.52	689.09		1.71
SMDH 00225	3657.9	4551.65	0.62	167.68	5776.37	7852.79	1187.71	3250.34	500.37	126.32	272.70	22.61	91.00	12.60	25.93	2.02	8.26	1.21	308.84	9.79	22.41	1366.06	3656.80		
SMDH 00225	140.5	150.36	0.15	24.18	147.99	301.02	36.74	104.92	20.70	2.68	14.75	1.26	7.44	1.31	2.92	0.27	1.76	0.25	47.83	1.67	14.86	807.24	918.79		
SMDH 00225	148.2	149.03	0.18	32.28	136.23	300.65	34.82	102.73	20.58	1.68	16.91	1.72	9.77	1.86	5.51	0.74	4.85	0.50	51.57	2.08	14.27	756.99	923.47	0.56	1.36
SMDH 00225	162.5	164.01	0.15	35.42	148.34	327.71	38.79	114.40	18.97	1.90	17.36	1.72	9.10	2.08	4.75	0.74	3.92	0.60	58.14	2.29	15.33	770.77	934.92		
SMDH 00225	135.4	143.35	0.14	22.12	126.57	279.20	32.29	101.80	17.71	2.23	15.09	1.38	7.88	1.31	3.03	0.27	1.96	0.25	48.85	1.77	13.33	672.16	822.41		
SMDH 00225	135.5	139.09	0.15	26.72	131.11	291.15	32.29	97.88	19.09	2.01	15.32	1.61	7.32	1.42	3.89	0.53	2.27	0.25	51.11	1.56	14.98	751.18	849.97		1.50
SMDH 00225	175.5	164.01	0.16	41.10	129.24	318.57	32.17	119.37	19.43	2.57	13.96	1.38	11.10	1.31	8.32	0.74	2.99	0.70	46.35	1.77	15.45	1048.22	935.09	0.48	
SMDH 00225	168.0	174.00	0.16	29.01	141.24	353.30	37.83	124.68	19.89	2.79	17.02	1.72	9.77	0.99	5.19	0.27	2.07	0.25	57.80	1.87	17.57	1086.31	1064.24		
SMDH 00225	156.6	155.19	0.16	31.31	127.73	319.42	32.29	112.32	20.58	2.35	13.73	1.38	9.21	1.10	5.94	0.53	2.07	0.50	47.37	2.08	20.64	1286.91	1059.04		1.62
SMDH 00225	145.5	141.38	0.15	31.07	107.47	271.89	29.15	103.08	17.94	2.23	14.30	1.49	7.66	1.21	7.78	0.53	3.41	0.70	41.48	1.46	17.92	1232.88	1066.84		
SMDH 00226	171.6	172.67	0.11	36.15	125.63	486.02	38.43	123.41	22.31	1.23	14.87	1.95	8.88	1.53	4.54	0.27	3.51	0.60	64.71	2.50	20.52	1132.51	680.43	0.95	
SMDH 00226	139.0	133.35	0.17	34.70	103.63	376.70	30.96	93.02	17.59	1.90	11.35	1.49	7.88	1.42	4.00	0.27	2.89	0.25	43.07	2.29	12.62	744.70	739.02		1.48
SMDH 00226	126.9	113.16	0.13	37.48	87.33	327.71	25.18	79.39	15.64	1.45	9.42	1.61	6.99	1.53	3.57	0.64	3.51	0.25	37.74	2.60	10.14	588.00	732.43		
SMDH 00226	87.9	81.42	0.07	24.30	61.01	226.07	18.67	56.39	10.92	0.89	7.04	1.03	5.33	0.99	2.70	0.27	2.58	0.25	26.86	1.67	8.37	443.06	478.99		
SMDH 00226	113.1	102.33	0.11	31.31	74.64	279.20	21.93	73.15	12.88	1.34	8.28	1.26	5.99	0.99	3.35	0.53	2.79	0.25	32.30	1.87	11.67	675.94	598.08	0.63	1.42
SMDH 00226	90.4	84.41	0.11	25.51	69.40	266.53	20.60	57.89	12.42	1.12	7.26	0.92	4.99	0.88	2.49	0.27	2.58	0.25	31.28	1.35	10.97	668.38	591.67		
SMDH 00226	118.7	114.95	0.11	27.20	79.76	307.60	24.58	83.78	14.95	1.12	9.42	1.38	5.22	0.99	2.49	0.27	2.48	0.25	37.74	1.46	12.97	766.44	669.68		
SMDH 00226	112.9	104.32	0.10	30.83	76.96	300.53	23.37	72.92	14.03	1.12	8.51	1.38	6.66	1.21	2.92	0.27	2.68	0.25	34.23	1.35	9.67	545.59	639.34		1.39
SMDH 00226	119.2	100.76	0.14	39.41	72.77	275.43	22.17	69.56	13.91	1.23	8.51	1.26	7.77	1.42	4.54	0.64	4.13	0.50	32.64	1.35	10.26	586.92	618.71	0.58	
SMDH 00226	164.6	115.57	0.12	71.21	101.30	202.55	23.73	81.00	14.95	1.56	9.99	2.18	8.66	1.31	4.97	0.53	2.79	0.25	37.63	1.67	10.14	454.95	651.82		
SMDH 00226	150.2	115.53	0.14	56.70	99.09	204.25	23.49	83.20	13.68	1.45	10.89	2.07	6.77	1.21	4.11	0.27	2.48	0.25	39.89	1.56	10.50	451.44	690.83		1.38
SMDH 00226	172.7	133.44	0.16	65.16	121.09	235.82	27.35	95.80	16.67	1.45	11.35	2.64	7.66	1.31	4.54	0.64	2.68	0.25	45.11	1.77	11.20	473.32	734.86		
SMDH 00226	65.3	55.02	0.10	20.43	54.38	106.64	11.69	40.10	6.55	1.56	4.65	0.69	2.55	0.27	1.62	0.27	1.14	0.25	19.04	0.83	8.49	379.03	646.62	0.15	
SMDH 00227	171.0	171.53	0.05	34.70	146.48	322.95	36.86	126.19	21.39	1.68	12.82	1.49	6.99	1.10	2.81	0.27	2.38	0.25	65.39	5.00	6.18	268.00	498.06		1.56
SMDH 00227	75.4	67.83	0.11	20.91	68.58	126.26	14.22	50.04	9.08	0.89	5.56	0.92	2.66	0.55	1.84	0.27	0.83	0.25	24.37	0.73	6.37	283.80	503.78		
SMDH 00227	67.3	55.11	0.10	21.88	50.30	95.91	10.84	40.91	6.67	1.12	4.31	0.92	2.44	0.55	1.94	0.27	1.14	0.25	18.47	0.83	7.19	321.09	454.54	0.71	1.58
SMDH 00227	75.2	76.93	0.08	13.42	71.49	143.07	15.90	57.78	9.89	0.78	4.65	1.03	2.22	0.27	0.97	0.27	0.26	0.25	29.58	0.83	8.14	318.52	399.93		
SMDH 00227	97.5	96.18	0.09	21.16	89.66	179.03	20.84	71.41	10.81	1.01	6.47	1.38	2.55	0.55	1.19	0.27	0.72	0.25	37.29	0.94	9.79	422.94	376.53		
SMDH 00227	125.0	128.63	0.10	21.16	115.85	358.54	26.50	94.64	17.02	1.68	8.62	1.49	5.99	1.10	3.46	0.27	2.48	0.25	57.23	1.35	11.20	392.95	565.84		1.55
SMDH 00227	92.1	99.37	0.08	12.33	93.50	300.65	21.08	73.38	14.60	1.45	6.01	0.80	4.11	0.77	1.40	0.27	1.55	0.25	48.28	1.25	11.09	432.93	485.40	0.53	
SMDH 00227	138.1	136.73	0.13	26.72	119.58	373.29	26.99	102.04	17.48	1.68	8.51	1.61	6.10	1.42	4.54	0.27	3.72	0.25	60.07	1.15	13.09	455.90	693.43		
SMDH 00227	146.6	140.82	0.14	30.59	114.11	358.05	26.62	104.92	18.86	1.79	8.85	1.72	7.55	1.42	5.51	0.53	4.34	0.50	56.67	1.25	8.96	347.70	540.87		1.55
SMDH 00227	102.3	95.93	0.09	24.54	85.70	262.14	19.76	70.03	14.03	1.56	6.24	1.26	4.88	1.10	4.21	0.27	4.03	0.25	42.61	1.15	8.25	317.57	441.02		
SMDH 00228	242.7	237.05	0.14	50.53	230.78	424.72	47.34	179.11	27.02	2.46	14.98	1.72	8.88	1.75	4.32	0.74	5.27	0.60	66.30	5.31	13.89	402.27	635.70		
SMDH 00228	103.1	94.46	0.11	25.63	84.07	237.28	19.15	67.83	12.65	2.12	7.38	1.26	6.21	1.10	4.00	0.27	2.99	0.25	36.95	2.29	16.27	626.91	965.25		1.45
SMDH 00228	35.4	26.27	0.12	12.94	23.40	57.28	5.18	18.14	3.68	1.34	2.50	0.29	2.66	0.55	1.94	0.27	1.76	0.25	8.27	1.25	15.92	628.12	809.92		
SMDH 00228	76.0	64.22	0.08	23.82	56.82	178.05	13.13	45.07	9.54	1.12	4.31	0.92	5.10	1.10	3.46	0.27	2.58	0.25	26.29	1.35	10.14	340.54	465.98		
SMDH 00228	97.1	89.46	0.07	24.18	79.53	234.36	17.83	64.60	12.53	1.34	5.11	1.26	5.77	1.21	4.32	0.27	3.61	0.25	34.79	1.46	10.73	381.33	637.95	0.64	1.52
SMDH 00228	24.4	20.35	0.05	6.77	18.86	53.87	3.61	14.56	1.61	0.89	1.13	0.29	1.89	0.27	0.65	0.27	0.62	0.25	7.59	0.52	5.78	354.18	530.47		
SMDH 00228	21.5	17.16	0.06	6.65	17.12	46.07	3.49	12.71	1.26	1.23	0.91	0.29	0.67	0.27	0.65	0.27	0.26	0.25	5.89	0.52	7.19	390.79	530.47		
SMDH 00229	93.3	92.09	0.07	19.58	101.88	271.40	18.67	68.18	11.15	0.28	6.24	0.69	4.55	0.77	1.94	0.27	1.55	0.25	48.96	1.87	10.50	528.30	575.55		1.53
SMDH 00229	188.2	189.99	0.17	37.36	192.47	528.30	40.72	139.13	21.85	1.56	10.78	1.38	8.77	1.10	2.92	0.27	2.17	0.25	92.71	2.71	14.39	779.95	1081.75	0.80	
SMDH 00229	46.3	46.14	0.07	8.70	50.53	128.69	9.52	34.67	4.48	1.01	2.50	0.29	1.66	0.27	0.65	0.27	0.72	0.25	20.29	0.94	5.19	305.42	670.72		
SMDH 00229	29.2	25.09	0.09	8.70	28.53	68.73	6.02	17.45	3.10	1.45	1.82	0.29	1.33	0.27	0.76	0.27	1.03	0.25	9.97	1.15	7.67	451.57	797.44		1.32
SMDH 00229	23.3	21.93	0.07	5.32	22.59	60.20	4.82	15.72	1.84	0.89	1.59	0.29	1.11	0.27	0.27	0.27	0.52	0.25	8.61	1.04	10.14	482.10	540.87		
SMDH 00229	13.4	9.32	0.05	5.32	11.18	28.27	2.17	6.59	1.49	0.89	0.91	0.29	0.28	0.27	0.27	0.27	0.52	0.25	3.06	0.26	5.42	312.85	447.26	0.66	
SMDH 00229	28.6	28.21	0.06	5.56	30.86	82.02	6.02	20.57	3.45	0.89	1.70	0.29	1.33	0.27	0.65	0.27	0.52	0.25	12.69	0.26	6.60	378.22	533.94		1.55
SMDH 00229	45.7	45.80	0.11	8.10	42.03	133.81	10.12	33.51	5.06	1.90	3.63	0.29	1.89	0.27	1.08	0.27	1.03	0.25	15.19	0.83	9.32	370.52	629.46		
SMDH 00229	116.8	120.47	0.11	21.04	107.70	327.10	26.14	88.63	13.11	1.45	9.65	1.03	4.66	0.77	2.05	0.27	1.45	0.25	41.37	1.98	9.55	483.59	769.01		
SMDH 00229	86.3	85.41	0.09	18.13	69.86	226.68	18.43	62.52	10.00	1.23	7.04	0.69	3.77	0.66	2.27	0.27	1.34	0.25	34.23	1.46	9.91	433.61	627.03	0.56	1.36
SMDH 00229	127.9	124.72	0.11	28.89	109.92	364.27	27.35	89.90	16.10	1.68	10.89	1.15	6.33	0.88	3.03	0.27	1.86	0.25	49.53	1.67	8.02	409.43	748.56		
SMDH 00229	136.0	125.98	0.14	35.91	107.00	351.35	27.59	90.48	16.21	1.68	10.67	1.15	6.77	1.10	3.78	0.27	2.58	0.60	47.60	1.56	9.67	495.88	832.46		
SMDH 00229	128.1	120.64	0.11	32.04	104.56	352.08	26.38	87.01	13.68	1.79	9.76	1.03	6.21	0.99	3.89	0.27	2.89	0.50	47.03	1.67	9.08	490.21	756.01		1.55
SMDH 00229	165.6	161.23	0.12	36.15	128.89	432.64	33.37	119.72	17.71	1.56	11.69	1.38	6.77	1.21	5.08	0.27	3.10	0.50	63.92	1.67	9.91	494.93	812.70	0.56	
SMDH 00229	144.0	138.71	0.10	34.58	114.57	387.79	30.48	100.53	16.44	1.23	11.35	1.15	6.55	1.10	4.32	0.27	2.99	0.25	55.08	1.46	8.02	411.59	792.94		
SMDH 00229	153.3	144.80	0.14	37.84	115.50	403.02	30.84	105.16	18.74	1.45	11.58	1.26	7.55	1.31	4.75	0.53	3.51	0.60	58.93	1.46	9.32	473.46	805.42		1.32
SMDH 00230	117.9	114.14	0.10	27.32	91.63	307.84	24.70	82.97	15.29	1.12	9.42	1.15	5.33	0.77	3.03	0.27	1.96	0.25	45.11	2.29	10.85	541.00	649.74		
SMDH 00230	94.0	89.94	0.07	22.24	73.82	238.62	19.76	64.60	14.03	1.56	8.28	1.03	4.55	0.77	2.27	0.27	1.45	0.25	33.55	1.46	6.25	331.08	565.66	0.75	
SMDH 00230	142.5	121.81	0.10	43.16	96.99	282.74	25.66	86.78	15.29	3.24	11.01	1.38	7.99	1.64	5.08	0.27	3.41	0.70	35.81	1.46	6.96	373.77	573.12		1.42
SMDH 00230	126.9	96.26	0.12	49.32	79.64	163.91	19.88	69.10	12.53	1.23	8.74	2.07	5.22	1.10	2.05	0.27	2.07	0.25	38.08	1.46	12.50	522.35	718.05		
SMDH 00230	118.3	92.22	0.11	43.88	79.41	169.15	19.40	66.44	11.50	1.56	7.72	1.61	4.77	0.99	2.16	0.27	2.17	0.25	39.21	1.56	12.15	474.94	539.14		
SMDH 00230	158.8	120.32	0.14	61.41	99.55	220.71	24.70	86.90	17.25	1.79	9.76	2.07	6.66	1.53	3.03	0.27	2.79	0.60	49.41	2.40	11.91	516.55	534.29	0.57	1.43
SMDH 00230	127.0	95.65	0.09	49.32	77.43	168.30	19.28	69.33	12.07	1.34	8.28	1.61	5.44	1.10	2.59	0.27	2.27	0.25	37.17	1.87	11.67	417.80	532.03		
SMDH 00230	97.2	78.36	0.06	33.49	63.11	139.30	15.78	57.32	11.04	1.12	7.04	1.38	3.88	0.77	1.30	0.27	1.03	0.25	31.96	1.77	12.15	693.64	651.30		1.32
SMDH 00230	105.5	72.64	0.09	47.27	59.73	131.62	15.66	50.38	10.58	1.23	7.04	1.61	4.99	0.99	2.05	0.27	1.96	0.25	28.67	1.77	11.79	496.82	696.55	0.60	
SMDH 00230	100.0	70.56	0.07	43.04	57.05	119.43	14.94	49.92	8.39	1.34	6.24	1.15	4.55	1.10	1.84	0.27	1.96	0.25	24.14	1.46	11.67	520.06	641.77		
SMDH 00230	153.0	93.18	0.14	76.53	75.10	161.84	18.19	64.94	11.38	1.45	8.97	1.95	8.10	1.86	4.11	0.74	4.03	0.70	34.34	2.08	11.44	519.11	663.26		1.39
SMDH 00230	66.5	60.01	0.08	18.38	51.46	162.57	13.01	42.64	8.05	1.12	4.77	0.92	3.44	0.66	1.84	0.27	1.86	0.25	25.50	1.46	11.20	450.76	879.27		
SMDH 00230	104.2	98.89	0.11	25.39	83.83	277.86	21.68	70.95	13.80	1.56	8.85	1.26	4.99	0.88	3.03	0.27	2.27	0.25	42.95	1.87	9.08	401.05	784.96	0.52	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00230	135.4	127.67	0.13	32.52	104.68	338.07	26.50	92.68	16.90	1.68	10.89	1.72	6.77	1.31	3.46	0.53	2.79	0.50	55.08	2.40	8.49	369.98	837.66		1.24
SMDH 00230	123.6	115.84	0.11	31.43	101.30	310.28	25.66	81.70	16.56	2.01	10.89	1.38	7.10	1.10	3.24	0.27	2.38	0.25	48.39	2.19	6.60	300.55	671.24		
SMDH 00230	114.7	102.59	0.10	33.13	87.09	288.34	22.53	72.80	14.95	1.56	8.74	1.38	5.88	1.21	3.67	0.53	2.38	0.25	44.99	2.40	9.32	419.42	649.05		
SMDH 00230	130.3	117.95	0.12	35.06	102.11	322.83	24.46	84.12	17.13	1.79	11.46	1.61	7.77	1.10	4.00	0.53	2.89	0.25	54.51	2.29	10.85	476.56	726.71	0.49	1.45
SMDH 00231	142.4	133.73	0.09	35.42	116.44	373.53	28.31	96.60	17.71	1.56	10.21	1.61	7.21	1.10	3.67	0.27	2.58	0.25	55.31	2.81	13.33	552.34	804.38		
SMDH 00231	204.7	199.96	0.15	45.34	172.44	539.03	42.41	145.48	29.43	1.79	16.57	2.52	9.54	1.64	4.86	0.64	3.30	0.25	79.56	4.69	19.22	855.19	898.68		
SMDH 00231	127.6	120.60	0.18	31.07	100.60	366.58	25.66	86.90	16.21	1.56	9.53	1.72	6.33	0.99	3.46	0.27	1.55	0.25	49.75	2.81	13.80	620.15	873.72		1.48
SMDH 00231	135.1	112.54	0.14	44.01	97.69	196.82	23.25	81.24	13.22	1.79	9.53	1.95	6.10	1.10	1.84	0.27	2.07	0.25	38.53	2.19	9.55	387.00	590.28	0.81	
SMDH 00231	116.6	93.06	0.15	42.07	80.81	170.13	20.24	66.33	14.03	1.68	8.06	1.61	4.88	0.99	1.84	0.27	2.48	0.25	32.98	1.87	8.02	376.87	622.70		
SMDH 00231	109.1	87.21	0.12	38.93	74.75	157.82	18.79	61.48	10.69	1.79	7.26	1.72	5.22	0.99	1.84	0.27	1.86	0.25	31.17	1.77	8.37	358.64	575.20		1.30
SMDH 00231	111.7	90.42	0.12	37.11	73.12	149.29	17.35	67.25	10.46	1.56	6.58	1.38	4.44	0.88	1.94	0.27	1.65	0.25	27.88	1.46	6.60	274.62	577.63		
SMDH 00231	143.5	96.18	0.21	65.65	81.39	169.89	20.00	67.14	13.57	1.68	9.42	1.84	7.21	1.53	2.81	0.64	3.10	0.25	29.58	1.77	12.74	592.06	862.80	0.54	
SMDH 00231	173.1	101.65	0.22	90.43	83.95	175.13	20.36	69.45	12.07	1.34	10.21	2.52	9.32	1.86	4.11	0.74	4.23	0.70	31.28	2.19	11.32	459.00	782.71		1.31
SMDH 00231	171.3	115.12	0.17	78.70	94.55	200.11	24.09	79.85	13.80	1.56	10.21	2.41	8.77	1.64	4.54	0.74	3.92	0.70	37.63	2.81	11.79	488.31	752.72		
SMDH 00231	193.7	127.53	0.20	89.70	104.56	220.22	25.30	90.71	16.10	1.79	11.80	2.64	8.88	2.19	4.97	0.85	5.27	0.50	43.41	2.81	10.97	470.21	747.69		
SMDH 00231	156.3	125.57	0.15	54.89	110.38	217.78	26.26	90.13	13.91	2.12	10.89	2.18	6.99	1.21	2.92	0.27	2.99	0.25	39.67	2.40	9.67	431.99	730.18	0.46	1.25
SMDH 00231	100.2	100.63	0.14	18.86	103.86	238.86	21.08	73.96	13.11	1.79	8.74	1.38	4.22	0.77	1.40	0.27	0.93	0.25	41.48	1.67	11.20	509.52	821.02		
SMDH 00231	139.3	136.63	0.15	28.29	124.59	292.61	27.71	100.53	17.02	2.12	11.69	1.95	6.44	0.88	1.94	0.27	1.45	0.25	52.81	2.71	10.50	498.58	882.04		
SMDH 00232	184.1	174.76	0.08	43.52	168.48	397.54	35.42	128.50	21.73	1.23	15.32	2.52	8.32	1.53	3.46	0.27	3.51	0.50	72.08	3.54	15.21	692.01	718.39		1.56
SMDH 00232	222.4	214.27	0.11	51.02	211.21	499.67	44.33	158.08	27.48	1.45	18.38	2.98	8.88	1.86	3.67	0.53	3.41	0.50	88.97	4.17	9.32	464.27	1248.17	0.39	
SMDH 00232	160.7	144.08	0.12	39.05	117.48	429.35	24.21	110.82	18.86	1.79	10.78	1.72	7.32	1.42	3.57	0.27	1.86	0.25	74.12	3.44	9.08	383.76	575.03		
SMDH 00232	192.0	192.86	0.12	28.29	221.11	400.22	31.80	153.57	24.03	2.68	10.78	1.38	6.10	1.10	3.03	0.27	0.93	0.25	42.05	1.67	8.61	346.89	767.97		1.34
SMDH 00232	92.5	85.57	0.12	19.58	72.31	259.09	14.22	66.56	10.35	1.56	6.24	0.80	3.99	0.88	1.30	0.27	0.93	0.25	42.84	2.08	11.20	473.73	680.77		
SMDH 00232	76.0	66.49	0.11	18.74	50.88	189.99	10.72	51.42	7.93	1.45	4.20	0.57	3.77	0.66	1.84	0.27	1.24	0.25	31.96	1.46	8.14	338.38	473.09	0.57	
SMDH 00232	97.3	79.01	0.13	29.98	63.11	224.97	12.89	60.09	9.66	1.23	5.22	1.03	4.99	1.10	3.24	0.27	2.07	0.25	38.99	2.40	10.85	447.25	550.93		1.40
SMDH 00232	112.7	82.99	0.16	40.86	63.34	228.63	12.65	63.09	8.85	1.45	5.90	1.03	6.21	1.31	4.54	0.53	2.79	0.50	38.76	2.29	12.03	500.34	608.48		
SMDH 00232	88.6	68.08	0.10	30.22	56.82	202.67	11.08	51.31	8.74	1.34	4.99	1.03	4.66	1.21	3.35	0.27	1.86	0.25	33.55	2.19	8.25	373.23	445.18		
SMDH 00232	90.8	68.27	0.14	30.95	53.33	191.34	10.36	52.12	8.85	1.90	4.77	0.80	4.99	1.10	3.57	0.27	2.27	0.50	30.37	2.29	9.79	416.18	500.83	0.50	1.40
SMDH 00232	100.6	76.62	0.17	34.21	57.87	214.25	11.44	58.70	9.77	1.23	5.11	1.03	5.44	1.21	3.67	0.53	2.68	0.50	35.25	2.19	10.85	462.51	562.02		
SMDH 00232	134.0	114.04	0.14	42.19	96.41	202.30	24.09	80.89	12.30	1.90	9.76	2.07	6.99	1.42	2.92	0.53	2.58	0.25	37.74	2.60	13.44	666.89	761.90		
SMDH 00232	124.7	101.17	0.11	41.71	77.31	167.08	19.64	73.26	10.46	1.45	8.74	1.84	6.44	1.21	2.81	0.64	3.41	0.25	31.51	2.19	10.02	490.21	572.77		1.48
SMDH 00233	105.1	97.23	0.12	26.60	82.20	177.32	19.88	71.30	10.35	1.12	8.28	1.84	4.22	0.77	2.16	0.27	2.17	0.25	32.98	1.77	9.08	455.90	591.32	0.75	
SMDH 00233	97.3	92.08	0.16	22.61	75.92	160.87	18.55	67.60	11.04	1.12	7.26	1.49	4.44	0.77	2.05	0.27	1.65	0.25	30.03	1.77	9.20	407.67	615.42		
SMDH 00233	94.5	94.98	0.12	18.38	82.09	172.81	20.36	70.03	9.77	1.45	7.49	1.49	3.11	0.55	1.19	0.27	1.14	0.25	32.64	1.77	8.25	429.96	687.19		1.31
SMDH 00233	94.9	93.12	0.11	21.40	80.69	176.35	20.72	67.14	12.07	1.12	8.28	1.38	3.88	0.55	1.51	0.27	1.34	0.25	33.89	1.98	8.96	423.21	641.94	0.64	
SMDH 00233	107.2	103.18	0.12	24.30	92.10	186.83	21.81	74.65	12.53	1.56	8.74	2.07	4.66	0.66	1.73	0.27	1.34	0.25	34.79	2.40	9.08	450.49	602.07		1.34
SMDH 00233	91.8	80.86	0.13	25.51	69.28	146.12	16.14	58.12	9.31	1.56	8.17	1.49	5.10	0.77	1.84	0.27	1.45	0.25	26.86	2.08	11.44	485.34	567.40		
SMDH 00233	91.8	69.50	0.14	36.15	60.20	190.36	15.06	48.30	10.12	1.23	7.38	1.03	5.10	0.77	3.35	0.27	2.27	0.25	30.60	2.08	8.02	383.76	635.35		
SMDH 00233	88.9	76.97	0.15	26.72	66.83	208.52	15.90	55.93	9.54	1.12	7.49	0.92	4.22	0.66	2.38	0.27	1.76	0.25	32.30	1.67	6.25	330.41	693.43	0.54	1.32
SMDH 00233	72.3	65.00	0.10	20.43	58.33	182.07	14.22	45.99	9.43	1.12	6.47	0.80	3.99	0.27	1.84	0.27	1.14	0.25	28.90	1.56	6.01	308.52	569.48		
SMDH 00233	79.1	75.27	0.11	18.26	69.63	206.45	15.90	55.24	12.30	1.45	8.06	0.80	3.33	0.55	1.08	0.27	0.83	0.25	32.41	1.77	7.08	328.78	651.30		
SMDH 00233	72.2	68.38	0.09	17.05	61.83	186.34	14.22	49.80	8.51	1.01	6.13	0.92	3.44	0.27	1.51	0.27	0.93	0.25	30.37	1.56	6.49	312.30	535.15		1.25
SMDH 00233	71.4	69.47	0.08	15.96	71.49	214.98	15.06	50.61	9.66	1.01	6.70	0.69	3.11	0.27	1.40	0.27	0.72	0.25	36.04	1.35	6.01	296.10	540.53	0.58	
SMDH 00233	97.4	92.63	0.14	23.45	90.82	262.63	20.36	66.91	12.19	1.68	7.04	1.03	4.33	0.77	1.84	0.27	1.34	0.25	37.63	1.67	8.14	407.13	685.45		
SMDH 00233	110.1	82.68	0.13	42.92	73.35	222.66	16.62	58.59	10.92	1.12	7.49	1.03	6.44	1.10	3.89	0.27	2.27	0.25	35.36	2.08	6.13	333.51	693.43		1.26
SMDH 00233	65.8	58.48	0.10	18.62	51.12	152.95	12.05	42.64	6.78	0.78	5.22	0.69	3.11	0.55	1.62	0.27	1.14	0.25	23.57	1.35	5.66	310.95	551.10		
SMDH 00233	40.9	29.35	0.12	15.23	26.90	52.53	5.78	21.84	3.45	2.12	3.40	0.29	1.44	0.27	0.86	0.27	0.83	0.25	8.27	0.94	11.91	445.36	651.30	0.50	
SMDH 00233	106.6	84.27	0.17	38.93	68.35	149.90	17.35	60.32	9.08	0.78	7.94	1.61	4.99	0.77	1.73	0.27	1.76	0.25	30.37	1.77	12.62	535.59	599.99		1.47
SMDH 00233	65.5	63.31	0.11	14.75	56.35	118.34	13.49	46.57	9.43	0.89	5.56	1.03	2.22	0.27	0.76	0.27	0.72	0.25	23.01	1.67	12.74	524.52	583.87		
SMDH 00234	157.1	133.16	0.06	49.93	114.22	230.58	27.11	97.64	17.48	1.12	12.94	2.75	5.66	1.10	2.59	0.27	2.17	0.25	47.15	3.33	19.46	797.78	372.20		
SMDH 00234	156.2	141.68	0.11	43.28	120.63	253.61	29.64	103.08	18.17	0.89	13.73	2.75	6.21	0.99	2.16	0.27	1.86	0.25	52.81	3.23	14.62	565.04	455.58	0.58	1.42
SMDH 00234	130.5	130.31	0.11	27.08	100.60	219.85	28.43	96.60	13.45	1.56	9.08	1.72	3.55	0.77	1.19	0.27	0.93	0.25	40.12	1.67	8.61	349.05	546.77		
SMDH 00234	84.9	78.07	0.09	21.28	72.42	147.22	16.38	57.55	8.62	1.90	5.90	1.15	3.00	0.55	1.08	0.27	0.83	0.25	29.01	1.15	9.55	399.43	420.39		
SMDH 00234	122.5	118.95	0.03	26.96	103.98	211.44	25.54	87.36	13.80	2.12	9.42	1.72	4.33	0.66	1.40	0.27	1.03	0.25	41.82	0.94	4.95	216.80	202.13		1.58
SMDH 00234	54.6	49.56	0.04	13.66	45.18	89.82	10.48	35.94	6.32	1.90	3.75	0.92	2.22	0.27	0.76	0.27	0.62	0.25	17.45	0.73	5.54	225.72	263.16	0.56	
SMDH 00234	58.5	55.98	0.08	13.18	43.66	88.72	11.44	42.18	6.09	0.78	3.63	0.69	1.66	0.27	0.65	0.27	0.52	0.25	17.34	0.94	9.67	406.86	509.67		
SMDH 00234	125.6	118.57	0.16	30.22	95.48	190.60	24.58	88.40	10.46	1.34	8.06	1.49	4.11	0.77	2.16	0.27	2.17	0.25	37.74	2.40	8.49	347.16	655.29		1.30
SMDH 00234	115.3	105.42	0.13	31.31	84.07	170.13	22.41	77.08	10.46	1.01	7.38	1.72	4.22	0.77	2.16	0.27	2.17	0.25	34.57	2.71	6.72	331.22	570.35		
SMDH 00234	124.0	116.14	0.10	30.83	91.75	185.24	24.33	86.20	11.50	1.34	8.17	1.49	4.11	0.77	1.84	0.27	1.65	0.25	37.74	2.92	7.67	305.69	609.87	0.56	
SMDH 00234	89.5	85.46	0.08	19.46	73.70	252.76	16.99	63.67	11.04	1.56	6.92	0.92	3.88	0.55	1.51	0.27	0.83	0.25	27.54	2.40	5.31	226.26	373.76		1.28
SMDH 00234	49.7	43.74	0.06	12.81	34.58	115.29	8.19	32.93	4.71	1.34	3.29	0.29	2.33	0.27	1.51	0.27	1.14	0.25	12.13	1.25	5.31	229.77	391.09		
SMDH 00234	82.4	84.15	0.06	12.09	65.90	236.18	15.42	64.60	8.85	1.56	7.04	0.80	3.33	0.27	0.86	0.27	0.72	0.25	23.91	1.46	6.25	280.29	545.90		
SMDH 00234	67.8	68.58	0.07	11.00	55.66	190.73	13.13	51.54	9.20	1.34	5.90	0.69	3.22	0.27	1.30	0.27	0.62	0.25	19.27	1.56	7.67	336.89	486.27	0.55	1.30
SMDH 00234	74.2	71.37	0.08	15.72	56.35	200.60	13.85	53.62	8.05	1.01	6.81	0.57	3.33	0.55	1.73	0.27	1.03	0.25	20.63	1.56	6.01	257.06	406.87		
SMDH 00235	52.8	48.60	0.05	12.81	42.50	142.95	9.16	36.05	5.86	0.56	4.54	0.29	3.11	0.55	1.40	0.27	1.03	0.25	15.53	1.77	3.77	173.98	373.24		
SMDH 00235	78.5	59.06	0.07	29.62	46.69	152.95	11.08	42.18	6.21	0.89	5.79	0.80	4.99	0.88	3.35	0.53	2.58	0.25	15.19	3.12	7.67	370.39	402.88		1.34
SMDH 00235	81.4	60.06	0.05	30.71	50.30	170.13	10.60	43.22	7.36	1.23	6.36	0.80	5.44	0.99	3.89	0.27	2.89	0.25	16.43	3.02	7.31	320.54	325.56	0.65	
SMDH 00235	85.7	55.65	0.08	39.17	43.08	153.56	10.48	38.48	7.47	1.34	5.33	0.92	5.77	1.21	4.86	0.53	4.65	0.60	14.62	2.71	6.96	319.73	279.97		
SMDH 00235	93.7	65.57	0.11	39.65	62.64	156.24	12.53	46.22	8.28	1.01	5.56	1.49	5.33	0.99	2.38	0.27	2.27	0.25	19.38	3.02	9.79	384.03	480.20		1.55
SMDH 00235	86.2	56.98	0.09	39.41	54.96	135.76	11.20	39.64	6.44	1.01	5.22	1.26	4.88	0.99	2.59	0.27	2.48	0.50	16.55	2.81	6.72	304.74	367.00		
SMDH 00235	94.4	57.46	0.09	47.51	59.15	146.97	11.93	38.83	7.24	1.34	5.45	1.49	5.22	1.10	3.35	0.64	2.79	0.50	18.47	3.12	6.37	280.02	372.02	0.59	
SMDH 00235	105.2	67.21	0.11	50.17	63.11	160.75	13.25	47.03	7.70	1.12	5.90	1.49	5.44	0.99	2.70	0.53	3.20	0.25	19.95	3.44	12.62	551.67	427.33		1.65
SMDH 00235	77.3	46.19	0.28	39.65	40.87	84.09	9.64	31.20	6.09	1.12	3.97	0.69	4.66	1.21	4.54	0.85	7.23	0.91	13.15	3.85	34.10	178.98	289.16		
SMDH 00236	164.3	101.83	0.22	81.97	100.37	246.05	21.32	69.45	14.60	1.79	10.10	2.18	8.88	2.08	5.19	0.96	5.16	0.91	31.28	2.50	13.44	602.73	610.91		
SMDH 00236	165.8	53.45	0.38	120.53	47.04	130.89	9.76	31.32	5.40	1.56	5.90	1.84	10.54	2.85	8.54	1.59	8.05	1.01	17.23	1.25	8.96	387.68	774.21		
SMDH 00236	254.7	63.04	0.67	199.84	43.78	110.05	9.76	31.55	7.01	1.56	7.04	2.98	18.75	4.71	13.18	2.55	15.49	2.62	14.85	1.87	20.76	882.88	1359.99		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00236	131.9	45.40	0.48	93.33	39.82	99.93	8.55	26.69	5.06	1.68	4.65	1.72	8.43	2.41	6.37	1.27	6.61	0.91	12.13	1.67	28.07	1173.58	1390.15		1.48
SMDH 00236	284.3	103.69	0.81	196.09	72.07	215.71	17.11	59.97	12.42	1.68	11.12	2.52	24.08	7.23	24.53	3.50	24.58	3.42	25.39	2.19	19.93	979.60	1281.46	0.60	
SMDH 00236	48.3	29.98	0.20	22.49	25.03	69.59	6.02	20.34	3.10	1.90	2.61	0.29	3.33	0.88	2.70	0.27	2.07	0.50	9.07	1.46	11.56	498.31	575.20		
SMDH 00236	59.2	43.87	0.27	21.40	37.03	107.37	8.19	31.78	4.60	2.12	3.86	0.57	3.33	0.77	2.49	0.27	2.58	0.25	12.01	2.08	26.06	1113.60	939.25		1.60
SMDH 00236	50.9	42.19	0.26	15.11	40.17	120.53	8.43	30.97	5.75	2.01	3.40	0.57	2.22	0.27	1.51	0.27	1.34	0.25	12.58	1.98	29.72	1222.07	1305.73		
SMDH 00237	62.9	57.44	0.06	14.75	48.32	155.26	10.72	43.22	7.13	1.45	4.77	0.29	3.22	0.66	1.62	0.27	1.14	0.25	20.06	1.35	8.61	365.39	635.87	0.78	
SMDH 00237	60.8	62.31	0.08	11.12	54.84	164.04	13.37	45.99	7.01	0.78	4.54	0.29	2.66	0.27	1.40	0.27	0.83	0.25	20.40	1.77	11.67	479.53	660.14		1.35
SMDH 00237	49.3	50.22	0.07	7.62	49.25	121.75	10.24	38.25	4.71	1.68	3.40	0.29	1.44	0.27	0.76	0.27	0.62	0.25	10.31	0.52	3.18	178.71	546.08		
SMDH 00237	51.2	53.19	0.06	7.74	60.55	145.51	12.17	39.40	5.75	2.46	3.40	0.29	1.33	0.27	0.54	0.27	0.52	0.25	10.77	0.73	4.36	215.18	332.50		
SMDH 00237	85.8	84.07	0.10	17.05	73.24	211.93	16.87	62.63	10.35	1.56	5.90	0.69	3.88	0.66	1.94	0.27	1.14	0.25	24.14	1.56	9.43	379.30	512.10	0.72	1.48
SMDH 00237	101.2	102.43	0.08	19.10	105.37	209.98	21.32	76.61	10.69	1.01	7.26	1.61	2.89	0.27	0.76	0.27	0.83	0.25	37.97	2.19	8.49	268.00	447.95		
SMDH 00237	62.0	55.79	0.05	15.47	51.00	99.69	10.00	42.87	6.32	0.78	4.65	0.92	2.00	0.27	0.97	0.27	1.03	0.25	18.47	1.35	5.78	181.82	345.85		
SMDH 00237	62.7	64.64	0.04	9.55	65.32	134.06	12.41	48.76	7.24	0.89	5.33	0.92	2.55	0.27	0.54	0.27	0.26	0.25	25.27	1.15	3.30	115.63	238.89		1.53
SMDH 00237	72.9	66.07	0.05	19.71	64.62	133.33	13.61	48.76	8.16	0.78	5.79	0.92	2.77	0.27	1.19	0.27	0.93	0.25	25.73	1.87	5.54	179.79	263.50	0.51	
SMDH 00237	39.2	28.96	0.07	19.95	49.95	101.64	10.72	14.33	5.63	1.01	4.31	0.92	3.00	0.27	1.30	0.27	1.14	0.25	19.83	1.98	10.85	277.86	393.69		
SMDH 00237	36.5	34.23	0.05	7.62	33.88	69.22	6.26	26.35	4.25	0.89	2.61	0.29	1.33	0.27	0.76	0.27	0.26	0.25	12.35	1.15	6.72	219.51	317.94		1.45
SMDH 00237	28.0	27.17	0.06	5.68	27.13	58.25	5.54	20.57	3.33	0.67	2.27	0.29	0.78	0.27	0.27	0.27	0.26	0.25	9.97	0.94	8.02	277.86	411.72		
SMDH 00237	112.1	107.53	0.07	23.33	110.03	198.04	20.36	81.35	9.08	1.56	8.06	1.49	4.33	0.55	1.30	0.27	1.24	0.25	27.88	2.29	8.96	275.43	429.93	0.52	
SMDH 00237	58.1	55.11	0.05	13.06	54.26	111.51	10.96	40.91	6.21	0.89	5.22	0.80	2.44	0.27	0.65	0.27	0.52	0.25	21.87	1.67	8.14	265.70	426.63		1.41
SMDH 00237	106.6	94.16	0.10	30.59	99.55	243.98	20.24	69.22	12.76	2.12	7.72	1.26	3.44	0.66	3.03	0.27	2.17	0.25	20.74	1.15	7.43	346.89	817.90		
SMDH 00238	37.5	38.24	0.05	6.65	40.40	97.86	7.95	29.00	5.06	0.56	2.61	0.29	1.00	0.27	0.27	0.27	0.26	0.25	10.99	1.04	5.78	275.83	447.43		
SMDH 00238	57.3	38.39	0.13	25.63	32.83	88.60	7.47	26.12	6.78	0.78	5.11	1.15	3.66	0.55	2.38	0.27	1.45	0.25	7.03	0.83	2.12	77.94	539.49	0.56	1.38
SMDH 00238	110.1	61.98	0.25	58.15	40.64	83.36	11.44	41.60	9.43	1.45	7.38	1.72	7.21	1.31	3.67	0.27	2.48	0.25	9.18	1.15	7.78	68.62	287.60		
SMDH 00238	131.6	95.14	0.31	54.89	72.19	163.67	20.00	65.87	12.99	1.56	10.10	2.07	7.21	1.31	3.35	0.53	2.58	0.25	27.99	1.67	4.25	39.04	399.07		
SMDH 00238	95.5	46.84	0.28	55.37	28.88	63.98	8.31	30.04	7.82	1.56	6.36	1.61	6.88	1.31	3.89	0.53	2.89	0.25	10.77	0.94	5.19	53.63	329.21		1.52
SMDH 00238	81.7	69.54	0.13	25.39	56.70	120.53	14.82	49.69	8.16	1.56	6.24	1.15	3.88	0.55	1.73	0.27	1.03	0.25	20.85	1.46	10.02	238.42	541.74	1.24	
SMDH 00238	50.0	47.72	0.08	10.88	43.31	86.41	10.48	34.67	5.86	1.90	3.86	0.69	1.89	0.27	0.65	0.27	0.26	0.25	15.98	0.73	8.25	246.12	448.30		
SMDH 00238	85.2	60.27	0.15	35.54	44.36	94.57	12.53	41.60	9.43	1.90	5.79	1.26	4.88	0.88	2.38	0.27	1.96	0.25	18.70	2.50	10.61	243.82	891.58		1.49
SMDH 00238	42.8	39.16	0.08	10.03	35.16	71.66	8.43	28.89	4.83	2.01	2.61	0.29	1.55	0.27	0.54	0.27	0.26	0.25	12.92	0.62	7.55	271.24	440.67		
SMDH 00255	97.8	89.25	0.06	24.78	79.99	134.06	19.40	64.71	11.27	3.13	7.15	1.15	3.99	0.66	1.62	0.27	1.14	0.25	23.12	1.35	6.72	197.35	344.63	1.58	
SMDH 00255	74.7	61.98	0.06	24.30	50.42	100.79	13.37	43.91	7.36	1.79	5.45	1.15	3.55	0.55	1.40	0.27	0.93	0.25	16.21	0.94	4.25	138.32	360.24		1.49
SMDH 00255	112.1	115.36	0.09	19.71	106.77	204.98	24.94	85.51	13.91	2.01	8.85	1.03	3.88	0.66	1.84	0.27	0.72	0.25	38.53	1.56	7.08	162.10	470.14		
SMDH 00255	85.9	89.66	0.05	13.54	87.09	166.72	19.40	67.02	12.07	2.12	6.47	0.69	2.55	0.27	1.08	0.27	0.72	0.25	31.51	1.15	5.42	145.35	375.49		
SMDH 00255	51.2	56.65	0.05	4.84	56.24	103.10	12.17	42.76	7.70	1.90	3.86	0.29	1.44	0.22	0.27	0.27	0.26	0.25	19.15	0.62	3.89	127.52	278.24	1.00	1.80
SMDH 00255	94.3	103.06	0.05	11.48	100.60	187.80	22.29	77.42	12.30	2.01	7.15	0.69	2.66	0.22	0.97	0.27	0.83	0.25	36.04	1.04	4.60	137.65	354.00		
SMDH 00255	75.3	84.98	0.04	7.50	82.90	161.48	19.03	63.56	10.81	1.90	5.22	0.29	2.11	0.22	0.54	0.27	0.26	0.25	30.83	0.83	5.19	99.15	270.09		
SMDH 00254	115.3	117.44	0.09	20.55	111.66	263.85	25.42	86.67	15.06	2.68	8.28	0.92	4.44	0.66	1.94	0.27	1.24	0.25	35.25	1.56	6.60	275.02	750.98		1.52
SMDH 00254	156.0	162.28	0.05	25.99	161.03	275.30	35.18	120.18	19.89	2.90	12.60	1.26	5.66	0.77	1.84	0.27	0.93	0.25	54.06	2.19	8.02	222.48	416.06	1.42	
SMDH 00254	109.2	108.48	0.05	22.24	110.50	205.84	23.61	79.73	13.22	2.12	7.38	0.92	4.22	0.55	1.51	0.27	0.83	0.25	39.21	1.56	4.48	191.14	264.72		1.51
SMDH 00254	74.6	71.83	0.06	16.44	65.79	137.35	15.54	53.16	9.31	1.90	5.11	0.80	2.33	0.27	0.65	0.27	0.26	0.25	25.84	1.04	5.66	233.01	359.37		
SMDH 00254	73.5	77.21	0.09	10.76	72.89	144.78	16.75	57.78	8.62	2.23	5.56	0.80	1.89	0.27	0.27	0.27	0.26	0.25	25.95	1.15	14.27	426.58	685.97	1.15	
SMDH 00254	99.8	77.77	0.12	35.91	69.05	139.54	15.78	56.62	9.89	1.90	6.58	1.26	4.11	0.88	2.05	0.27	1.45	0.25	29.24	1.15	8.61	329.33	568.44		1.46
SMDH 00254	86.8	81.71	0.10	21.64	74.40	152.46	18.19	58.93	11.04	1.68	6.36	1.15	3.44	0.55	1.08	0.27	0.62	0.25	30.37	1.25	7.90	344.05	728.27		
SMDH 00254	33.8	30.45	0.08	8.34	30.39	60.93	6.99	21.96	3.56	2.01	2.27	0.29	1.22	0.27	0.27	0.27	0.52	0.25	10.20	0.62	6.72	294.34	638.99		
SMDH 00253	131.7	112.51	0.10	41.35	100.95	208.03	23.97	82.04	13.45	1.79	9.08	1.72	4.77	0.77	1.84	0.27	1.76	0.25	38.08	2.08	13.56	532.49	716.49	1.87	1.60
SMDH 00253	16.8	11.57	0.08	6.53	11.06	22.55	2.53	8.09	1.38	1.23	0.91	0.29	0.67	0.27	0.22	0.27	0.26	0.25	2.61	0.42	11.20	474.54	512.10		
SMDH 00253	46.5	47.20	0.07	7.62	42.62	88.36	9.76	35.82	5.75	1.45	3.29	0.29	1.33	0.27	0.27	0.27	0.26	0.25	15.41	0.62	9.91	441.58	610.74		
SMDH 00253	91.3	88.24	0.11	20.31	78.59	166.72	18.67	65.87	11.15	1.45	5.79	1.03	2.66	0.55	1.19	0.27	1.03	0.25	31.17	1.35	11.79	530.32	631.89		1.62
SMDH 00253	79.1	72.96	0.10	19.95	64.97	135.03	15.18	54.31	9.08	1.34	5.22	0.80	2.66	0.27	1.62	0.27	1.03	0.25	27.20	0.94	8.25	336.08	711.11	1.31	
SMDH 00253	72.9	65.73	0.09	19.34	62.18	125.65	13.73	48.53	7.82	1.56	4.99	0.80	2.66	0.27	1.30	0.27	0.72	0.25	23.46	0.73	7.19	304.20	478.81		
SMDH 00252	107.4	80.90	0.05	41.47	74.29	160.50	16.87	57.78	11.38	1.90	7.26	1.15	5.10	0.88	3.03	0.27	2.27	0.25	26.07	2.40	6.96	332.97	305.11		1.55
SMDH 00252	93.2	70.81	0.03	34.09	66.25	118.70	14.94	50.84	9.08	3.24	6.13	1.03	3.99	0.66	2.49	0.27	1.24	0.25	21.76	1.87	3.66	127.11	204.39		
SMDH 00252	95.2	67.27	0.09	39.41	60.90	119.55	13.97	47.38	9.66	2.46	6.24	1.15	4.77	0.77	2.70	0.27	2.07	0.25	21.31	2.19	3.42	123.46	459.22	1.64	
SMDH 00252	50.9	31.71	0.03	24.18	29.81	57.16	6.63	21.96	4.71	1.68	3.63	0.69	2.44	0.55	1.94	0.27	1.14	0.25	10.43	1.15	3.66	82.40	142.85		1.78
SMDH 00252	48.9	35.97	0.02	18.62	38.07	72.63	7.11	26.58	6.09	1.45	3.63	0.29	2.00	0.27	1.08	0.27	0.83	0.25	12.01	1.04	4.13	127.25	155.50		
SMDH 00252	46.2	35.54	0.04	15.84	32.95	61.79	7.35	24.84	5.40	2.12	3.63	0.57	2.77	0.55	0.97	0.27	0.26	0.25	10.65	3.64	18.30	121.84	113.72		
SMDH 00251	183.5	170.23	0.07	47.75	153.58	320.76	36.14	124.80	23.11	1.68	14.87	2.30	6.99	0.99	2.70	0.27	1.76	0.25	60.41	3.54	9.79	378.49	425.59	1.57	1.62
SMDH 00251	135.3	138.30	0.09	25.75	127.61	256.05	30.12	101.69	19.78	1.34	13.05	1.72	4.77	0.55	1.40	0.27	0.52	0.25	47.94	3.02	9.32	397.95	904.40		
SMDH 00251	144.5	148.40	0.12	25.87	127.38	262.99	31.56	109.78	19.43	1.79	12.60	2.18	4.88	0.77	1.08	0.27	0.62	0.25	47.94	2.60	10.50	482.24	760.69		
SMDH 00251	71.2	67.74	0.11	16.32	60.90	126.62	14.58	49.69	9.08	1.68	5.67	0.92	2.55	0.27	0.65	0.27	0.52	0.25	22.33	1.35	10.73	461.16	669.51		1.38
SMDH 00251	65.1	44.96	0.10	27.68	37.61	75.32	8.91	32.36	5.86	1.34	4.20	0.92	2.77	0.55	1.30	0.27	1.24	0.25	13.49	1.46	9.79	507.23	721.34	1.44	
SMDH 00251	84.0	66.12	0.16	29.62	54.26	116.02	13.37	47.38	8.16	1.68	6.47	1.38	3.99	0.66	1.51	0.27	1.24	0.25	19.49	1.35	6.25	347.70	686.84		
SMDH 00251	97.9	91.43	0.16	24.54	77.20	179.51	19.76	65.87	11.96	1.68	8.51	1.03	4.77	0.88	2.92	0.27	2.17	0.25	30.94	1.67	15.45	301.50	703.83		1.50
SMDH 00251	76.6	79.02	0.08	13.18	70.56	139.05	16.62	58.93	10.12	1.01	6.58	0.69	2.77	0.55	1.40	0.27	0.83	0.25	24.37	1.98	11.79	312.71	674.88		
SMDH 00251	95.0	104.58	0.08	12.81	94.55	189.87	23.25	77.42	13.91	0.89	9.19	0.80	3.11	0.55	1.08	0.27	0.62	0.25	35.59	2.40	11.20	344.45	743.70	1.62	
SMDH 00251	89.7	98.98	0.07	11.97	90.59	185.61	22.05	72.80	14.49	0.78	8.74	0.80	3.33	0.27	1.19	0.27	0.52	0.25	34.45	2.08	11.20	361.34	745.96		1.32
SMDH 00251	88.7	90.82	0.09	17.29	83.60	171.23	20.60	65.87	13.22	1.23	7.83	0.92	3.44	0.66	1.94	0.27	1.14	0.25	31.62	2.29	9.55	358.64	628.25		
SMDH 00251	81.3	83.94	0.09	15.23	75.45	154.16	18.67	61.24	10.92	0.78	7.26	0.80	3.22	0.55	1.51	0.27	1.14	0.25	30.83	2.29	11.56	452.65	717.18		
SMDH 00251	67.3	62.69	0.07	17.17	55.31	111.88	13.49	45.07	8.51	0.89	6.36	0.69	3.44	0.66	1.62	0.27	0.93	0.25	21.42	1.87	10.85	375.79	797.10	1.35	1.25
SMDH 00251	82.7	88.97	0.09	12.21	81.85	165.86	19.64	65.87	12.42	1.12	7.04	0.80	2.66	0.55	1.40	0.27	0.83	0.25	31.28	2.08	12.26	458.19	652.69		
SMDH 00251	74.2	78.25	0.06	11.36	79.41	147.58	17.23	57.78	9.89	1.79	6.58	0.69	2.55	0.27	1.19	0.27	0.52	0.25	25.95	1.35	9.91	330.27	546.08		
SMDH 00250	103.1	82.98	0.04	36.15	73.82	150.87	17.47	58.82	12.07	1.45	7.72	1.03	5.66	1.21	3.13	0.64	3.30	0.25	27.65	2.71	16.31	501.55	451.60		
SMDH 00250	116.3	109.94	0.08	28.29	93.38	208.76	22.89	80.89	13.91	1.01	9.53	1.72	4.44	0.66	1.51	0.27	1.03	0.25	42.16	2.29	9.67	304.74	364.22	1.36	
SMDH 00250	87.0	86.51	0.11	18.62	78.83	171.84	19.03	63.56	11.04	0.89	7.60	1.03	2.89	0.27	0.97	0.27	0.93	0.25	32.30	2.40	10.61	428.88	655.98		
SMDH 00250	64.3	67.06	0.08	10.16	57.98	125.53	14.46	49.69	8.85	1.56	5.22	0.92	2.00	0.27	0.65	0.27	0.26	0.25	24.82	1.35	8.37	220.45	546.42		1.42
SMDH 00250	49.8	48.89	0.07	9.91	44.59	94.69	10.60	35.82	6.21	1.56	3.97	0.80	1.66	0.27	0.32	0.27	0.26	0.25	18.02	0.83	8.73	234.90	453.16		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00250	109.8	106.33	0.13	24.18	92.10	199.74	22.41	77.42	13.57	1.68	9.53	1.84	4.66	0.66	1.19	0.27	0.72	0.25	38.42	2.40	9.79	334.73	788.43	1.34	
SMDH 00250	102.0	102.52	0.11	19.95	87.56	194.75	21.81	75.11	12.65	1.34	9.08	1.72	3.88	0.55	0.76	0.27	0.26	0.25	37.74	2.40	8.14	310.41	838.18		1.29
SMDH 00250	79.4	84.42	0.08	12.45	82.90	134.54	18.55	62.40	12.30	1.12	7.04	0.80	2.66	0.27	0.76	0.27	0.93	0.25	23.12	2.50	7.78	221.26	653.38		
SMDH 00250	82.0	87.78	0.12	11.36	76.38	167.94	18.43	65.87	10.46	1.34	6.13	1.15	2.33	0.27	0.54	0.27	0.26	0.25	31.17	1.56	7.19	293.93	736.77	1.17	1.29
SMDH 00250	111.8	126.68	0.06	11.48	121.79	246.79	27.59	93.60	15.41	1.23	10.78	1.72	3.77	0.27	0.86	0.27	0.26	0.25	46.35	2.19	10.02	318.38	621.49		
SMDH 00250	83.7	92.59	0.08	9.67	93.85	182.32	20.60	68.18	10.92	2.01	7.38	1.26	2.55	0.27	0.86	0.27	0.26	0.25	30.49	1.46	9.32	332.70	634.31		
SMDH 00250	94.2	106.33	0.07	10.40	105.02	205.84	24.09	77.42	14.37	1.56	8.85	1.38	3.44	0.27	1.08	0.27	0.26	0.25	36.72	2.08	9.20	292.99	688.23		1.57
SMDH 00249	144.5	133.10	0.11	37.96	114.34	242.76	27.95	94.76	18.28	1.34	12.60	2.41	7.99	1.31	4.43	0.27	2.48	0.25	55.99	2.71	12.62	455.08	667.77	1.57	
SMDH 00249	117.0	100.99	0.10	34.82	81.97	178.90	20.36	72.80	14.49	1.56	9.65	1.84	5.99	1.21	3.89	0.27	2.48	0.25	43.07	2.08	11.44	407.40	688.23		
SMDH 00249	115.5	97.98	0.11	36.51	83.83	177.56	20.60	69.33	13.91	1.56	8.51	1.84	6.21	1.21	3.78	0.27	2.48	0.25	41.59	2.19	9.67	315.95	601.03		1.47
SMDH 00249	138.6	106.11	0.11	51.74	83.72	180.85	20.72	75.11	14.14	1.45	10.44	2.07	8.21	1.64	6.16	0.85	4.85	0.60	40.23	3.54	9.08	385.65	688.23		
SMDH 00249	141.7	117.60	0.12	47.63	100.95	218.88	25.06	82.04	16.56	1.56	11.24	2.07	8.43	1.53	6.16	0.74	3.92	0.60	47.71	3.54	10.97	379.30	688.23	0.94	
SMDH 00248	138.7	124.60	0.15	38.20	105.14	238.38	25.78	88.98	16.90	1.68	10.78	2.18	7.66	1.31	4.65	0.53	3.30	0.25	45.22	2.50	16.98	516.68	998.02		1.42
SMDH 00248	180.9	135.28	0.20	71.33	109.92	243.01	27.59	97.07	17.48	1.90	11.58	2.52	8.10	1.53	4.54	0.64	2.99	0.25	46.81	2.50	13.21	466.16	987.10		
SMDH 00248	164.1	132.99	0.09	58.03	118.76	255.56	28.79	93.83	17.94	1.90	11.58	1.49	8.88	1.86	4.86	0.85	5.47	0.70	46.47	3.44	12.52	287.86	601.55		1.61
SMDH 00248	179.5	132.03	0.17	73.14	110.73	231.06	27.59	93.60	16.33	1.90	10.55	2.52	8.32	1.53	4.86	0.53	2.79	0.25	44.09	2.92	13.21	432.39	857.08	0.95	1.51
SMDH 00248	220.2	160.64	0.16	89.46	135.18	249.95	32.65	116.71	18.05	2.79	11.46	2.30	8.99	1.86	6.05	0.85	5.16	0.60	38.65	2.71	13.21	458.60	811.48		
SMDH 00248	176.4	106.93	0.15	89.34	86.28	179.64	21.32	75.11	14.14	1.45	8.85	2.07	8.43	1.86	6.48	0.85	4.13	0.60	35.25	2.40	13.09	365.80	679.39		
SMDH 00248	182.5	100.83	0.14	100.83	95.94	189.63	20.48	68.18	13.68	1.34	9.53	2.30	9.88	2.08	7.46	0.96	4.85	0.70	38.76	2.92	12.38	463.05	777.33		1.58
SMDH 00248	203.3	119.10	0.23	105.78	97.34	207.42	23.01	84.36	13.45	1.45	10.33	2.41	9.32	2.19	7.46	0.96	5.16	0.60	40.46	2.92	13.33	436.58	957.45	1.47	
SMDH 00248	195.2	126.10	0.18	92.24	98.85	211.32	24.46	90.13	14.49	1.34	11.35	2.41	9.10	1.86	6.81	0.85	4.65	0.60	41.59	2.71	10.38	383.09	834.37		
SMDH 00248	189.3	140.86	0.17	75.08	116.55	246.91	28.55	101.69	17.02	1.90	11.69	2.41	8.21	1.64	5.08	0.74	3.51	0.60	50.43	2.50	14.27	493.18	946.01		1.53
SMDH 00248	179.4	140.58	0.20	67.10	121.56	256.29	29.64	100.53	18.28	1.34	11.46	2.64	7.77	1.53	4.86	0.64	3.41	0.50	48.85	2.40	13.33	548.29	1121.62		
SMDH 00248	124.7	116.31	0.18	31.80	105.02	232.53	25.30	83.20	14.49	1.90	9.76	1.26	6.55	0.99	3.46	0.27	2.58	0.50	44.31	2.50	14.86	639.74	1190.10	1.39	
SMDH 00248	113.4	104.40	0.13	29.14	96.06	208.76	21.93	75.11	13.34	1.79	8.97	1.26	6.10	1.10	3.35	0.27	2.48	0.25	38.08	2.40	13.33	505.87	720.47		1.40
SMDH 00247	133.0	124.48	0.13	34.45	110.15	263.24	27.47	88.98	17.48	1.56	11.92	1.38	6.66	1.10	3.78	0.27	2.68	0.25	49.87	2.40	12.03	525.33	875.11		
SMDH 00247	100.3	88.92	0.13	31.92	91.98	199.38	22.29	58.93	11.96	1.79	10.21	1.26	6.44	1.21	4.43	0.53	3.61	0.25	36.72	1.98	26.65	486.15	880.65		
SMDH 00247	110.5	87.60	0.11	40.62	79.64	162.70	19.15	60.09	13.91	1.45	9.42	1.15	7.21	1.42	4.32	0.64	4.23	0.80	36.38	2.08	12.38	508.98	796.06	1.27	1.60
SMDH 00247	110.0	84.11	0.16	42.07	76.96	155.38	17.59	58.93	12.76	1.45	8.51	1.15	6.44	1.31	5.08	0.64	3.92	0.60	34.57	1.98	13.09	609.35	945.32		
SMDH 00247	115.4	96.15	0.13	38.08	87.33	178.30	20.72	68.18	15.41	1.90	9.87	1.15	6.10	1.42	4.32	0.53	3.51	0.60	40.80	2.29	11.44	489.12	835.93		
SMDH 00247	119.3	98.21	0.10	40.50	90.59	183.90	20.84	69.33	14.72	1.45	9.87	1.26	6.77	1.31	4.86	0.53	3.51	0.50	40.80	2.60	9.32	476.97	843.38		1.58
SMDH 00247	102.5	91.97	0.10	28.53	81.62	174.03	19.52	65.87	13.34	1.56	10.10	1.15	5.44	0.99	3.24	0.27	2.48	0.25	38.99	2.08	12.62	467.78	746.30	1.17	
SMDH 00247	133.9	113.14	0.13	43.76	110.85	219.85	24.82	79.73	16.56	1.79	10.89	1.38	7.21	1.42	4.75	0.53	3.30	0.50	43.52	3.33	11.32	575.31	905.44		
SMDH 00247	134.9	109.79	0.13	46.06	105.26	214.00	22.89	77.42	17.71	1.90	10.67	1.38	8.10	1.53	5.51	0.64	4.54	0.50	43.41	2.81	10.26	420.37	922.95		1.45
SMDH 00247	130.7	112.13	0.13	40.62	109.80	299.56	23.37	79.73	16.56	1.34	12.03	1.03	7.99	2.08	3.67	0.74	4.03	0.25	44.88	3.33	12.03	710.93	786.17		
SMDH 00247	141.3	126.39	0.09	39.77	115.74	227.04	26.26	91.29	20.01	1.45	13.39	2.07	6.77	1.21	2.05	0.27	1.65	0.25	51.91	2.19	15.92	616.64	602.94	1.15	
SMDH 00247	117.5	106.18	0.08	32.40	98.62	188.29	22.65	76.27	17.36	1.56	11.80	1.61	5.66	0.88	1.62	0.27	1.24	0.25	44.88	1.67	13.09	424.15	541.39		1.45
SMDH 00247	120.5	97.04	0.09	42.07	84.53	164.89	20.00	69.33	14.72	1.34	10.78	1.72	5.99	1.10	2.38	0.27	2.58	0.25	41.03	1.87	15.57	634.20	593.23		
SMDH 00247	148.3	117.01	0.12	53.68	105.26	200.96	23.97	83.20	19.43	1.56	12.14	2.18	7.66	1.53	2.92	0.27	3.20	0.25	45.11	2.60	17.34	683.77	776.47		
SMDH 00247	95.7	78.32	0.08	31.92	74.05	139.91	15.66	56.62	12.19	1.12	8.51	1.26	4.77	0.99	1.73	0.27	1.96	0.25	31.17	1.25	12.26	328.24	494.41	1.11	1.61
SMDH 00246	94.0	78.68	0.06	30.34	75.57	143.68	16.02	56.62	12.53	1.01	8.74	1.38	4.66	0.88	1.62	0.27	1.86	0.25	32.07	1.56	10.85	332.30	335.45		
SMDH 00246	107.5	91.70	0.09	33.25	85.23	156.85	18.79	65.87	13.57	1.34	9.53	1.38	5.66	0.88	1.73	0.27	1.76	0.25	34.79	1.56	14.74	448.60	591.67		
SMDH 00246	98.7	86.94	0.12	28.77	96.18	224.85	18.55	61.24	11.27	1.56	8.51	1.26	5.88	0.88	3.78	0.64	3.20	0.25	35.36	1.87	17.45	584.63	577.11	1.30	
SMDH 00246	162.3	143.37	0.13	49.93	136.70	314.30	33.01	100.53	19.43	2.01	14.98	1.95	7.88	1.53	3.78	0.53	3.20	0.50	57.35	2.60	16.39	508.71	749.25		
SMDH 00246	141.8	112.73	0.13	51.26	98.74	227.16	23.73	79.73	14.49	1.56	11.12	1.72	7.55	1.42	4.54	0.64	3.82	0.60	42.27	2.29	13.80	458.60	795.71		1.42
SMDH 00246	130.1	99.27	0.14	51.38	93.73	213.39	22.17	68.18	12.65	1.56	11.35	1.61	7.32	1.42	4.65	0.64	4.54	0.70	39.89	2.40	14.39	443.33	680.25		
SMDH 00246	123.7	98.83	0.13	45.70	88.61	204.13	22.29	68.18	14.03	1.45	10.67	1.38	6.99	1.42	4.43	0.64	3.92	0.60	37.85	2.71	13.56	425.10	730.53	0.91	
SMDH 00245	231.5	213.76	0.13	63.59	195.38	441.41	47.59	152.53	29.20	1.79	20.99	2.98	10.65	1.86	5.08	0.53	3.82	0.50	86.81	4.06	14.15	576.25	674.71		1.45
SMDH 00245	200.3	177.22	0.14	60.33	166.39	371.21	39.27	127.11	20.47	2.01	15.21	2.07	8.77	1.64	4.97	0.64	4.44	0.70	70.27	2.92	18.51	553.29	780.80		
SMDH 00245	113.3	97.16	0.12	36.63	90.00	203.16	21.68	69.33	11.61	1.23	7.49	1.26	4.88	0.99	2.92	0.27	2.79	0.25	38.99	1.56	12.03	324.33	620.62		
SMDH 00245	103.4	91.55	0.12	31.07	82.44	195.97	20.48	64.71	12.30	1.23	8.17	1.15	5.22	0.88	2.38	0.27	2.17	0.25	38.42	1.56	12.15	340.54	570.35	1.33	1.49
SMDH 00245	121.1	105.19	0.10	37.72	96.06	221.68	23.37	75.11	14.03	1.56	9.87	1.38	5.33	0.99	3.24	0.27	2.89	0.25	45.67	1.87	10.26	330.81	620.62		
SMDH 00245	97.9	93.44	0.10	24.06	87.44	171.47	20.84	67.02	13.22	1.23	9.42	0.92	4.66	0.88	2.70	0.27	2.58	0.25	41.14	1.67	10.26	430.09	705.56		
SMDH 00245	114.7	121.86	0.14	19.71	126.91	236.55	28.19	88.98	15.18	1.34	11.58	0.92	3.77	0.66	1.94	0.27	1.34	0.25	51.57	1.98	14.15	502.09	1022.98		1.35
SMDH 00245	106.8	113.39	0.09	16.20	113.99	210.96	24.46	84.36	14.60	1.68	10.55	0.92	3.66	0.55	1.40	0.27	0.93	0.25	43.63	1.67	8.61	355.94	741.10	4.26	
SMDH 00245	91.3	93.85	0.10	17.05	93.38	175.00	21.20	68.18	11.27	1.56	9.19	0.80	3.66	0.55	1.84	0.27	1.55	0.25	40.23	1.67	8.14	322.30	710.07		
SMDH 00245	101.7	105.53	0.09	17.41	102.81	188.29	22.53	77.42	12.65	1.34	10.89	0.92	4.66	0.66	1.73	0.27	1.14	0.25	42.50	1.87	12.62	438.47	679.04		1.47
SMDH 00245	107.6	109.42	0.12	21.04	111.78	204.13	24.21	79.73	14.03	1.34	9.99	0.92	4.55	0.77	2.27	0.27	1.86	0.25	43.97	1.87	9.91	348.64	821.02		
SMDH 00245	102.0	97.96	0.09	24.18	103.51	235.94	21.56	70.49	13.91	1.45	9.76	0.92	4.99	0.88	2.59	0.27	1.96	0.25	37.97	1.87	13.80	519.25	734.51	1.22	
SMDH 00245	157.4	147.47	0.13	39.65	143.33	282.25	30.96	107.47	19.09	1.23	14.87	1.49	7.55	1.31	4.32	0.64	3.41	0.50	59.95	3.44	15.21	617.59	960.75		1.33
SMDH 00244	119.4	103.60	0.10	36.51	98.97	185.24	22.17	73.96	14.14	1.45	11.35	1.26	6.21	1.31	4.11	0.64	3.51	0.50	44.31	2.71	12.38	391.60	754.45		
SMDH 00244	178.3	150.60	0.14	59.24	127.73	288.59	33.61	105.39	21.16	2.12	13.85	1.84	9.77	1.97	4.86	0.85	4.85	0.60	58.71	5.10	12.85	438.20	668.29		
SMDH 00244	142.3	110.09	0.14	54.40	114.57	259.95	23.73	75.11	15.06	1.56	11.80	1.26	9.99	1.97	7.24	1.59	5.89	0.60	40.57	3.64	18.28	650.00	882.04	0.39	1.53
SMDH 00244	139.5	111.25	0.13	49.93	117.02	254.46	23.37	79.73	15.98	1.68	11.58	1.38	6.77	1.53	5.94	1.27	4.96	0.25	37.85	3.96	13.09	573.41	4008.88		
SMDH 00244	142.4	119.74	0.12	47.63	120.86	281.15	26.62	83.20	17.36	1.68	11.80	1.26	8.66	1.97	5.62	1.06	4.75	0.25	42.73	3.23	13.92	543.97	938.38		
SMDH 00244	123.0	108.24	0.15	36.99	115.97	264.21	24.21	75.11	16.44	2.01	11.80	1.15	7.77	1.64	4.21	0.85	3.30	0.25	39.78	2.71	16.39	498.85	973.05		1.39
SMDH 00244	160.0	161.07	0.14	32.28	114.57	278.96	36.14	115.56	20.35	2.79	12.26	1.49	7.88	1.21	3.67	0.27	1.86	0.25	47.49	2.81	11.67	481.56	891.92	1.01	
SMDH 00244	126.9	118.77	0.13	32.16	109.10	224.36	26.38	84.36	16.10	2.35	9.31	1.26	6.77	1.10	3.57	0.27	2.58	0.25	38.76	2.29	10.85	416.99	805.94		
SMDH 00244	155.1	123.12	0.13	55.49	100.25	217.17	25.42	86.67	16.90	1.90	11.46	1.61	9.43	1.86	6.70	0.85	4.44	0.80	41.14	3.02	12.15	439.28	881.69		1.48
SMDH 00244	141.0	112.61	0.16	50.41	94.43	207.18	23.73	79.73	15.52	1.68	10.21	1.26	7.88	1.75	6.27	0.64	4.13	0.80	38.99	2.81	11.44	437.39	779.41		
SMDH 00244	129.4	102.50	0.11	47.27	82.20	182.44	22.17	71.64	13.57	1.79	8.40	1.15	7.55	1.53	5.29	0.64	4.23	0.70	32.98	2.29	162.15	397.81	644.37	1.02	
SMDH 00244	111.2	93.22	0.13	36.51	77.31	172.20	19.88	65.87	11.73	1.34	7.72	1.15	6.33	1.31	4.11	0.53	2.99	0.60	33.09	1.87	10.97	406.32	609.52		1.38
SMDH 00244	152.3	144.72	0.15	38.08	127.38	272.13	32.29	102.84	18.97	1.79	11.92	1.49	8.10	1.53	4.54	0.53	3.20	0.60	50.09	2.71	13.21	477.91	1080.02		
SMDH 00244	147.0	142.31	0.16	34.33	122.72	263.73	31.32	102.84	18.17	1.68	10.55	1.26	6.88	1.21	4.11	0.27	3.10	0.60	49.07	2.60	12.85	532.76	1088.34		
SMDH 00243	194.4	194.24	0.11	42.07	164.41	371.21	43.37	139.82	25.18	1.45	14.87	1.95	9.10	1.53	4.32	0.53	2.99	0.50	70.15	3.96	20.05	907.33	533.94	1.43	1.52
SMDH 00243	159.8	151.22	0.14	41.10	133.90	284.81	34.09	108.62	21.62	1.56	11.12	2.18	6.33	1.10	2.81	0.27	2.58	0.25	54.74	2.40	9.67	420.91	463.21		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00243	210.8	206.80	0.16	49.69	179.19	396.69	47.59	147.91	29.09	1.90	15.89	2.75	8.54	1.53	3.67	0.53	2.89	0.25	78.77	2.92	11.20	489.94	689.96		
SMDH 00243	184.9	175.34	0.17	48.12	153.00	331.36	40.36	124.80	22.65	1.79	13.39	2.64	7.55	1.31	3.46	0.53	2.99	0.25	60.41	2.19	10.73	428.07	762.94		1.55
SMDH 00243	227.1	208.60	0.17	61.41	171.39	386.33	44.69	152.42	25.41	1.79	14.75	1.72	9.77	2.08	5.40	0.96	5.78	0.70	77.07	2.50	9.10	477.37	602.07		
SMDH 00243	175.3	165.02	0.17	47.15	142.75	321.74	38.79	116.71	22.88	1.90	13.50	2.64	6.88	1.42	3.35	0.53	2.58	0.25	61.54	1.98	13.68	578.41	880.13		
SMDH 00243	185.3	181.76	0.21	44.61	156.26	347.21	42.65	128.27	22.99	1.56	14.41	2.64	8.21	1.42	3.13	0.27	2.99	0.25	64.37	2.19	10.97	471.43	801.43		1.49
SMDH 00243	206.4	193.56	0.20	55.13	166.15	368.90	43.85	137.51	27.02	1.56	15.43	3.10	9.10	1.53	3.89	0.64	3.51	0.25	74.12	2.50	14.03	569.63	910.82		
SMDH 00243	177.4	159.95	0.20	53.07	139.84	314.79	37.35	112.09	20.81	1.68	12.94	2.64	7.88	1.53	3.89	0.53	3.41	0.25	60.86	1.98	11.09	558.29	791.72		1.40
SMDH 00242	163.9	148.17	0.13	48.12	124.94	284.81	34.09	104.00	20.47	1.68	13.16	2.64	7.44	1.42	3.57	0.53	3.30	0.25	51.11	3.12	19.22	851.95	484.19		
SMDH 00242	354.7	364.77	0.13	68.06	326.02	680.15	80.35	265.78	43.81	2.23	32.57	3.33	15.31	2.30	6.48	0.74	4.65	0.70	163.09	6.14	16.86	825.74	661.01		
SMDH 00242	141.5	127.11	0.11	40.38	114.11	245.57	27.35	91.29	17.25	1.34	12.03	1.15	7.32	1.31	3.89	0.27	2.48	0.25	54.51	1.98	12.50	406.19	729.83	1.74	1.80
SMDH 00242	116.6	100.32	0.10	36.03	90.35	184.14	21.20	71.64	13.11	1.45	10.21	1.15	6.33	1.21	3.78	0.27	2.68	0.25	42.05	1.35	11.67	347.02	623.22		
SMDH 00242	94.2	82.90	0.10	27.93	70.44	152.58	17.83	58.93	10.35	1.23	7.94	0.92	5.22	0.99	3.03	0.27	2.17	0.25	34.00	1.15	9.43	374.58	516.43		
SMDH 00242	173.0	135.12	0.12	64.68	124.00	254.83	28.55	94.76	16.10	1.79	12.82	1.61	10.21	1.97	6.48	0.85	5.16	0.70	54.97	2.50	16.86	623.80	947.74		1.45
SMDH 00241	212.9	208.70	0.06	49.69	181.76	412.04	47.10	149.99	28.51	1.56	17.36	2.07	9.54	1.53	3.78	0.64	4.13	0.25	82.17	4.58	19.53	727.68	600.16		
SMDH 00241	202.1	198.63	0.10	44.85	177.45	357.44	42.65	145.60	23.80	1.23	17.93	2.07	8.32	1.42	4.65	0.27	3.61	0.50	78.65	3.33	17.34	783.87	578.15		
SMDH 00241	137.3	140.60	0.11	25.87	136.46	275.79	31.32	101.69	19.55	2.12	12.94	1.26	6.33	0.99	2.70	0.21	1.45	0.25	66.30	1.98	9.79	401.46	760.52		1.58
SMDH 00241	61.3	64.29	0.08	10.64	67.42	139.66	14.94	46.22	8.39	1.34	5.67	0.57	2.55	0.27	0.86	0.27	0.62	0.25	32.19	0.73	10.38	189.65	476.21		
SMDH 00241	79.8	80.64	0.11	15.35	76.15	168.55	17.47	58.93	10.92	1.23	7.72	0.80	3.44	0.55	1.73	0.27	1.14	0.25	38.87	1.04	15.33	372.82	658.76	1.67	
SMDH 00241	120.2	113.48	0.16	30.10	97.11	207.54	25.06	82.04	15.75	1.68	9.76	1.72	4.66	0.77	1.84	0.27	1.34	0.25	46.47	1.35	12.15	434.01	734.34		1.68
SMDH 00241	105.7	95.71	0.13	28.65	80.81	174.52	20.00	69.33	13.68	1.34	7.94	1.61	4.77	0.99	1.94	0.27	1.86	0.25	36.72	1.04	12.62	374.44	598.26		
SMDH 00241	149.3	123.46	0.20	50.17	102.81	224.24	26.02	87.82	18.17	1.68	10.55	2.18	7.44	1.42	3.46	0.53	3.51	0.60	48.96	1.46	14.74	515.06	758.09		
SMDH 00241	80.6	78.06	0.08	17.41	64.85	139.78	16.14	57.78	10.58	1.23	6.47	1.15	3.00	0.55	1.08	0.27	1.03	0.25	31.05	0.83	10.50	364.45	451.42	1.00	1.57
SMDH 00241	112.0	108.88	0.13	23.82	98.85	199.99	22.29	80.89	15.29	1.56	8.85	1.38	4.33	0.66	1.84	0.27	1.14	0.25	44.20	1.25	12.50	453.60	682.51		
SMDH 00241	79.8	73.30	0.09	20.55	59.85	131.62	15.66	53.16	9.77	1.56	5.67	1.26	3.22	0.55	1.19	0.27	0.93	0.25	27.43	0.83	12.26	362.82	498.92		
SMDH 00240	105.4	97.18	0.12	28.77	83.48	189.02	21.81	69.33	12.19	1.23	8.28	1.61	4.44	0.66	1.73	0.27	1.86	0.25	38.31	1.56	14.98	586.65	475.17		1.75
SMDH 00240	85.1	84.50	0.10	18.13	68.58	151.36	18.67	61.24	11.50	1.12	6.36	1.03	3.55	0.27	1.08	0.27	1.24	0.25	33.66	0.94	12.74	320.00	581.09	2.13	
SMDH 00240	125.0	111.78	0.15	35.91	88.14	202.18	23.73	80.89	15.06	1.01	10.21	1.84	5.33	0.99	2.38	0.27	2.38	0.25	46.01	1.35	10.50	382.95	593.92		
SMDH 00240	95.5	86.04	0.12	26.35	70.44	151.73	17.95	62.40	11.61	1.01	8.06	1.03	4.66	0.88	2.81	0.27	2.27	0.25	37.06	1.67	10.73	358.64	563.76		1.55
SMDH 00240	126.3	110.99	0.12	38.81	88.49	222.41	25.30	77.42	15.52	1.79	11.58	1.61	6.66	1.42	4.97	0.53	3.82	0.50	50.66	1.35	14.27	392.95	696.03		
SMDH 00240	143.9	130.02	0.13	40.14	102.23	221.56	27.83	93.60	18.28	1.56	12.26	1.38	7.21	1.53	5.40	0.64	4.44	0.60	53.49	1.67	9.67	313.25	672.11	1.19	
SMDH 00240	136.5	127.72	0.13	34.58	100.13	217.54	27.47	92.44	18.05	1.68	11.69	1.38	6.44	1.31	4.75	0.53	3.92	0.50	53.95	1.67	10.50	441.31	791.20		1.35
SMDH 00240	188.8	159.34	0.20	62.02	143.57	312.23	34.57	113.24	22.76	2.01	14.07	2.75	8.77	1.53	5.62	0.64	5.06	0.80	68.68	1.98	15.80	480.75	858.81		
SMDH 00239	193.3	160.82	0.16	64.92	147.17	315.03	34.33	115.56	21.96	1.90	14.75	1.72	9.21	1.75	6.37	0.64	4.75	0.60	62.90	2.71	53.42	2925.29	839.40		
SMDH 00239	95.2	75.64	0.16	34.45	66.02	143.44	16.02	53.16	9.66	1.12	7.26	0.92	5.55	0.99	3.35	0.27	2.38	0.25	30.83	1.87	54.84	3233.95	556.82	2.02	1.55
SMDH 00239	134.0	101.45	0.22	52.71	94.78	218.51	21.32	71.64	14.83	1.12	10.10	1.38	7.10	1.42	4.21	0.53	3.30	0.50	47.26	2.19	76.06	4202.07	737.63		
SMDH 00239	103.5	79.02	0.19	40.26	71.61	160.75	16.75	55.47	10.92	1.01	7.49	1.15	5.66	0.88	3.89	0.27	2.27	0.25	33.21	1.56	70.05	4175.05	489.04		
SMDH 00239	130.2	105.25	0.29	45.94	95.48	197.79	22.77	75.11	14.60	1.79	9.31	1.26	6.10	1.10	3.78	0.27	2.99	0.60	30.15	2.92	125.00	7169.64	474.83		1.62
SMDH 00239	117.9	88.29	0.10	47.15	69.98	153.19	18.79	61.24	13.34	1.23	8.28	1.26	6.99	1.10	3.89	0.27	2.99	0.25	33.32	2.29	7.55	311.36	455.06	1.15	
SMDH 00239	131.1	105.71	0.12	46.91	100.37	220.58	23.13	75.11	12.76	1.56	8.74	1.15	6.33	1.10	3.89	0.27	2.68	0.25	28.22	1.46	8.37	335.00	438.07		
SMDH 00239	119.2	108.39	0.12	31.43	92.10	207.42	22.41	79.73	13.34	1.79	8.62	1.15	5.10	0.88	3.24	0.27	2.17	0.50	33.32	1.25	12.38	439.82	691.00		1.57
SMDH 00239	128.3	109.02	0.15	41.35	76.38	177.44	23.61	78.58	11.15	1.56	9.42	1.72	5.10	0.88	2.38	0.27	1.86	0.25	33.89	1.67	16.98	503.31	754.62		
SMDH 00239	138.6	114.71	0.14	47.75	82.79	193.53	25.06	82.04	13.34	1.23	10.44	1.84	5.77	1.21	2.49	0.27	2.68	0.25	43.97	1.67	14.62	495.20	815.65	1.34	
SMDH 00239	136.8	113.43	0.15	46.18	84.42	186.34	24.33	82.04	11.15	1.56	10.33	1.84	5.22	1.10	2.49	0.27	2.58	0.25	40.01	1.35	9.43	329.60	707.82		1.58
SMDH 00239	152.2	124.46	0.17	53.56	84.53	199.87	26.86	88.98	14.49	1.01	11.24	2.18	6.44	1.31	3.13	0.53	2.89	0.25	49.53	2.50	14.27	501.28	795.19		
SMDH 00239	163.2	129.64	0.13	59.12	88.26	208.03	26.86	93.60	14.83	1.34	12.60	2.30	6.88	1.42	3.24	0.53	3.41	0.25	46.92	2.29	13.92	449.55	760.69		
SMDH 00239	132.7	108.33	0.15	47.15	79.76	183.17	23.97	77.42	13.22	1.23	10.21	1.61	5.33	1.10	2.70	0.27	2.79	0.25	42.05	1.77	12.97	480.75	717.87	1.11	1.62
SMDH 00256	201.2	144.95	0.21	84.63	110.15	249.59	30.48	102.84	16.79	2.12	14.07	2.75	8.88	1.75	4.21	0.74	4.23	0.60	46.24	2.81	20.05	712.68	1181.60		
SMDH 00256	180.2	152.50	0.09	58.88	109.33	247.64	32.77	109.78	17.25	1.56	10.21	2.41	7.55	1.31	3.13	0.53	2.68	0.25	53.95	3.12	14.98	449.28	597.22		1.75
SMDH 00256	47.9	34.16	0.05	17.77	32.14	67.88	6.38	25.42	4.71	2.35	2.95	0.69	1.66	0.27	0.86	0.27	0.83	0.25	13.94	0.94	6.25	205.05	488.17	1.87	
SMDH 00256	134.5	128.05	0.12	31.92	101.65	229.85	26.74	93.83	20.01	1.23	12.26	1.26	6.21	1.10	2.81	0.27	2.99	0.25	57.46	2.71	10.59	599.35	519.20		
SMDH 00256	90.3	58.82	0.06	38.81	46.34	101.52	10.36	42.76	9.66	3.02	6.92	1.38	4.33	0.66	1.94	0.27	1.55	0.25	22.33	1.87	9.08	256.65	429.93		1.53
SMDH 00256	91.9	58.26	0.07	41.35	41.22	110.66	10.24	42.76	10.12	2.57	6.70	1.38	3.88	0.66	2.05	0.27	1.34	0.25	21.19	1.67	8.14	253.41	884.81		
SMDH 00256	91.9	58.26	0.06	41.47	39.82	86.41	10.24	42.76	10.00	2.46	6.13	1.49	3.77	0.66	2.27	0.27	1.86	0.25	19.15	1.46	6.25	198.30	543.65	1.29	
SMDH 00256	149.4	94.34	0.09	69.03	71.72	139.91	16.14	70.49	15.52	2.12	8.40	1.61	6.10	1.10	3.89	0.53	3.61	0.25	30.37	2.08	11.09	326.08	868.17		1.62
SMDH 00256	122.6	86.70	0.09	49.45	68.23	144.17	16.99	63.56	14.37	3.46	8.17	1.72	4.44	0.77	2.38	0.27	2.27	0.25	29.01	1.67	10.26	344.05	776.64		
SMDH 00256	127.7	99.76	0.09	43.04	81.85	159.65	19.15	75.11	14.95	4.02	8.40	1.61	3.88	0.77	2.59	0.27	2.07	0.25	32.41	1.56	12.38	452.52	950.34		
SMDH 00256	77.8	60.05	0.05	25.75	47.74	91.89	10.36	46.22	9.20	2.35	4.88	0.92	2.55	0.27	1.19	0.27	1.24	0.25	19.38	1.04	8.84	299.88	832.11	1.22	1.62
SMDH 00256	81.2	75.96	0.05	16.93	58.80	123.58	14.82	57.78	12.19	3.13	6.47	1.03	2.33	0.27	0.76	0.27	0.83	0.25	27.09	0.83	7.43	291.50	693.43		
SMDH 00256	76.1	59.42	0.08	25.99	54.49	153.31	11.81	43.91	12.07	2.46	6.13	1.26	2.44	0.66	1.30	0.27	1.24	0.25	32.19	1.25	7.31	381.33	721.17		
SMDH 00257	164.1	156.73	0.07	40.02	133.78	292.24	34.09	113.71	20.58	1.45	12.48	1.49	7.44	1.31	2.92	0.53	2.99	0.50	57.35	3.64	14.98	698.23	497.71		1.72
SMDH 00257	234.7	226.72	0.11	56.58	192.47	417.89	50.60	163.51	31.62	2.01	18.16	2.18	10.43	1.86	4.65	0.85	4.75	0.70	82.85	4.48	18.42	520.87	571.21		
SMDH 00257	88.6	59.01	0.12	34.33	68.00	228.63	6.26	49.69	12.88	1.56	4.09	0.29	2.77	0.88	1.62	0.27	1.45	0.25	29.81	1.46	6.37	327.70	834.89		
SMDH 00257	18.6	16.35	0.05	3.99	16.42	29.25	3.49	12.02	2.07	1.79	1.13	0.29	0.55	0.27	0.27	0.27	0.26	0.25	5.21	1.56	2.67	169.26	158.45		
SMDH 00257	70.4	60.76	0.10	27.20	45.88	138.32	18.55	39.29	9.89	1.01	3.52	0.92	2.00	0.55	1.19	0.27	1.14	0.25	25.39	1.98	6.13	311.36	463.21		
SMDH 00257	44.9	41.77	0.04	9.43	38.07	86.16	6.87	33.51	5.86	0.56	3.06	0.29	1.11	0.27	0.27	0.27	0.26	0.25	21.19	0.73	6.49	183.44	518.68	1.46	
SMDH 00257	118.2	100.76	0.08	33.85	88.96	200.96	17.23	79.73	14.37	0.78	8.62	0.69	3.11	0.55	1.84	0.27	1.55	0.25	55.19	1.77	14.51	415.24	1023.50		1.68
SMDH 00257	89.1	61.68	0.05	34.58	61.01	123.58	8.19	49.69	8.39	1.01	5.33	0.92	2.89	0.55	1.40	0.27	1.86	0.25	24.25	0.83	13.56	457.11	565.49		
SMDH 00257	152.0	108.35	0.09	60.33	90.35	204.50	17.59	85.51	14.95	0.89	9.42	0.92	4.33	0.99	3.46	0.64	3.20	0.25	55.42	2.19	14.86	450.63	895.91		
SMDH 00257	161.4	118.33	0.13	61.78	102.23	228.75	19.64	92.44	16.90	0.89	11.92	1.15	5.10	0.99	3.46	0.53	2.99	0.25	66.64	2.60	13.80	570.58	1273.13	1.13	1.63
SMDH 00257	106.5	88.06	0.09	31.92	78.13	173.79	14.34	70.49	11.84	0.89	7.26	0.57	2.66	0.55	1.73	0.27	1.24	0.25	46.58	1.77	15.45	464.68	968.03		
SMDH 00257	143.6	132.07	0.14	37.96	108.98	233.62	27.95	97.07	17.02	1.56	11.24	1.95	5.10	0.88	1.73	0.27	1.65	0.25	50.43	1.98	14.39	506.14	837.84		
SMDH 00258	287.5	268.41	0.09	74.71	221.34	477.85	56.74	196.44	33.57	1.12	22.81	4.13	11.10	1.64	3.35	0.53	3.20	0.50	103.36	4.79	42.69	1483.31	566.88		1.68
SMDH 00258	103.2	86.41	0.11	33.85	74.05	147.10	18.19	62.40	12.53	1.12	7.60	1.49	4.33	0.66	1.51	0.27	1.24	0.25	31.51	1.67	8.84	291.37	501.87	2.24	
SMDH 00258	119.1	97.63	0.13	40.45	79.58	164.67	20.37	70.79	13.85	1.43	8.68	1.65	4.82	0.81	1.89	0.32	1.48	0.24	35.73	1.70	9.34	310.14	732.78		
SMDH 00258	155.5	101.98	0.16	71.21	75.57	167.94	18.79	72.80	13.57	1.12	8.85	2.07	8.32	1.75	6.27	0.74	4.85	0.80	37.74	1.87	19.93	329.73	713.88		1.40
SMDH 00258	88.8	77.37	0.11	24.90	60.31	135.15	14.58	57.78	10.23	1.12	5.90	0.80	4.22	0.77	3.03	0.27	2.17	0.25	29.92	1.25	10.14	315.14	546.25		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00258	104.6	92.41	0.14	29.38	72.54	171.23	18.43	68.18	11.38	1.23	7.38	0.80	4.99	0.88	4.11	0.53	3.20	0.25	26.63	1.25	9.20	351.88	712.32	1.58	
SMDH 00258	120.8	107.50	0.20	33.13	90.47	199.38	21.08	79.73	13.11	1.23	8.06	0.92	5.77	1.10	4.43	0.64	4.03	0.70	43.52	1.25	11.09	392.00	780.11		1.42
SMDH 00258	109.0	101.72	0.13	25.99	90.59	193.77	20.48	75.11	13.34	1.79	8.06	0.92	5.22	0.88	3.35	0.27	3.20	0.25	40.23	1.35	10.61	408.89	714.58		
SMDH 00258	70.8	72.59	0.12	11.24	63.22	134.91	14.22	55.47	8.28	1.23	4.65	0.57	2.33	0.27	1.30	0.27	0.72	0.25	28.33	1.15	16.27	600.03	902.50		
SMDH 00258	40.4	38.34	0.13	8.34	35.16	73.00	7.83	28.89	5.75	1.56	3.18	0.29	1.33	0.27	0.86	0.27	1.24	0.25	13.83	1.25	20.76	673.24	946.18	1.27	1.43
SMDH 00258	98.9	93.96	0.09	22.12	77.31	165.74	18.67	70.49	12.19	1.45	7.04	0.92	3.88	0.77	2.49	0.27	1.76	0.25	34.91	1.56	13.33	379.57	629.29		
SMDH 00258	154.4	119.08	0.13	56.94	93.96	209.37	22.89	87.82	14.83	1.23	10.21	1.38	6.99	1.31	3.35	0.53	3.51	0.50	44.43	2.29	20.99	491.42	613.86		
SMDH 00259	184.3	145.40	0.09	68.55	209.58	273.96	30.72	105.16	30.35	1.12	18.95	2.87	6.66	1.10	4.00	0.64	3.41	0.25	96.11	3.96	38.56	1421.85	425.94		1.62
SMDH 00259	103.2	76.16	0.19	41.23	109.80	145.02	15.54	55.47	16.10	1.34	10.55	1.61	3.55	0.66	2.27	0.27	2.27	0.25	47.94	1.98	22.76	688.50	897.82	2.29	
SMDH 00259	55.6	39.90	0.10	22.61	58.22	70.93	8.43	28.89	9.31	1.56	6.13	0.80	1.78	0.27	1.30	0.27	0.93	0.25	24.71	0.73	8.02	234.23	703.31		
SMDH 00259	62.3	48.85	0.09	22.12	75.22	87.50	10.00	35.82	9.77	1.34	7.15	0.92	2.11	0.27	1.51	0.27	0.93	0.25	30.03	0.83	10.61	274.08	596.35		
SMDH 00259	90.0	61.07	0.13	40.86	92.57	114.68	13.01	43.91	14.14	1.12	9.42	1.26	2.89	0.66	2.70	0.27	2.38	0.25	39.55	1.15	8.96	370.39	720.82	1.21	
SMDH 00259	78.7	58.25	0.11	30.95	84.65	102.86	11.69	42.76	13.11	1.23	8.74	1.15	2.66	0.55	1.84	0.27	1.76	0.25	35.70	1.25	13.09	362.55	709.90		1.40
SMDH 00259	150.5	114.60	0.16	52.59	128.31	191.09	17.95	93.60	16.56	1.23	10.33	1.72	1.33	0.77	1.19	0.27	1.65	0.25	47.83	1.25	15.21	432.93	707.64		
SMDH 00259	203.2	174.35	0.20	62.14	165.80	322.71	35.42	129.42	23.45	2.12	12.03	2.30	7.21	1.21	2.49	0.27	2.89	0.25	59.39	1.25	31.13	580.03	788.43		
SMDH 00259	56.2	57.77	0.08	10.40	54.61	117.73	12.77	42.76	6.78	0.78	3.86	0.69	1.55	0.27	0.27	0.27	0.21	0.25	20.85	0.62	14.74	199.24	663.96	0.95	1.37
SMDH 00260	132.7	125.59	0.09	30.95	107.70	231.31	25.42	93.37	15.41	1.56	9.31	1.15	5.66	0.99	2.38	0.27	1.24	0.25	46.47	3.54	8.60	232.88	358.85		
SMDH 00260	130.0	107.79	0.16	43.04	92.92	196.94	22.05	78.58	15.98	1.23	9.99	1.84	5.33	0.88	2.27	0.27	2.07	0.25	40.91	1.35	20.76	377.95	714.40		
SMDH 00260	103.6	84.32	0.13	35.66	74.98	155.14	17.59	61.24	10.58	1.23	7.04	1.38	4.11	0.77	1.62	0.27	1.55	0.25	30.03	1.15	14.86	267.05	655.29		1.35
SMDH 00260	117.1	99.47	0.13	37.48	90.82	186.70	21.08	72.80	12.42	1.23	8.40	1.26	4.33	0.77	1.73	0.27	1.55	0.25	35.81	1.46	13.68	294.07	628.94	1.01	
SMDH 00260	84.7	73.40	0.10	25.75	68.93	141.49	15.66	53.16	8.51	1.23	5.67	1.15	3.44	0.55	1.30	0.27	1.03	0.25	25.73	1.04	11.32	291.64	468.93		
SMDH 00260	104.2	105.60	0.12	19.83	96.18	196.58	22.77	78.58	12.53	1.56	7.15	1.26	3.00	0.27	0.76	0.27	0.26	0.25	36.83	1.25	23.11	453.46	762.60		1.31
SMDH 00260	62.9	66.19	0.06	11.00	69.16	144.29	15.30	48.53	8.16	1.01	5.79	0.80	1.55	0.27	0.27	0.27	0.26	0.25	29.81	1.04	29.48	285.42	566.88		
SMDH 00260	57.8	57.28	0.09	11.36	54.26	110.41	12.17	42.76	7.01	1.34	4.65	0.69	1.66	0.27	0.54	0.27	0.26	0.25	19.72	0.83	17.81	381.87	471.18	0.92	
SMDH 00261	150.0	139.04	0.09	39.65	113.99	275.06	29.52	101.69	16.90	0.78	11.01	2.07	5.77	0.88	2.05	0.27	1.65	0.25	51.00	2.60	32.67	569.50	346.19		1.60
SMDH 00261	124.6	117.52	0.06	19.95	59.03	233.62	13.85	100.53	6.90	1.01	5.56	0.69	2.44	0.66	1.62	0.27	1.55	0.25	17.57	0.83	13.68	305.82	441.71		
SMDH 00261	146.3	137.82	0.09	23.82	67.77	294.56	16.14	117.87	9.20	0.78	6.70	1.03	2.77	0.77	2.05	0.27	1.45	0.25	22.89	1.25	10.14	248.14	484.53		
SMDH 00261	150.4	149.35	0.06	18.62	73.47	320.15	18.43	127.11	10.00	0.89	7.49	1.03	2.77	0.66	1.19	0.27	0.93	0.25	25.84	1.25	13.21	243.82	502.56	1.29	1.42
SMDH 00261	167.8	168.02	0.08	18.13	84.42	360.37	19.88	144.44	10.46	1.56	8.51	1.03	2.66	0.66	1.30	0.27	0.72	0.25	27.88	1.46	12.15	269.48	588.20		
SMDH 00261	142.5	137.98	0.09	20.43	68.35	293.34	16.87	117.87	8.28	1.01	6.81	0.80	2.44	0.66	1.51	0.27	1.24	0.25	23.91	0.94	15.92	263.95	635.53		
SMDH 00261	70.5	67.41	0.08	20.31	74.64	320.76	18.31	45.07	9.08	1.12	4.65	1.03	3.00	0.66	1.51	0.27	0.93	0.25	25.84	1.04	16.16	284.88	468.93		1.55
SMDH 00261	173.0	173.95	0.05	19.22	84.65	371.21	20.96	149.07	11.96	0.78	8.51	1.03	2.89	0.66	1.40	0.27	0.83	0.25	32.53	1.67	20.64	286.37	437.21	0.95	
SMDH 00262	163.6	145.10	0.06	35.06	73.70	321.61	17.47	122.49	8.74	0.89	8.17	1.26	3.88	1.10	2.70	0.27	2.58	0.25	25.50	1.77	20.40	341.89	520.59		
SMDH 00262	130.3	105.49	0.06	36.03	49.83	215.71	12.05	88.98	6.67	0.78	6.36	0.80	3.66	1.10	3.03	0.27	2.38	0.25	17.91	1.35	7.55	198.97	376.36		1.61
SMDH 00262	204.6	129.84	0.19	98.89	106.77	230.46	26.14	91.29	15.64	2.01	11.12	2.64	9.77	2.08	5.08	0.74	5.27	0.60	42.27	2.71	22.88	431.04	798.83		
SMDH 00262	166.9	112.79	0.15	74.95	93.15	200.35	22.29	80.89	13.57	1.45	9.42	2.07	7.55	1.42	3.57	0.53	4.13	0.50	37.85	2.08	20.28	327.97	623.39	1.00	
SMDH 00262	185.7	118.69	0.17	89.46	100.37	210.71	24.21	83.20	14.26	1.79	10.67	2.18	9.10	1.75	4.97	0.74	5.06	0.60	37.97	2.19	21.58	378.76	732.43		1.61
SMDH 00262	155.2	106.99	0.12	68.31	89.66	184.75	21.44	76.27	13.34	1.34	8.97	2.07	7.21	1.31	3.57	0.64	3.20	0.50	34.91	1.98	24.18	334.05	590.11		
SMDH 00262	146.0	111.97	0.12	56.58	90.35	194.02	23.97	79.73	14.60	1.45	9.53	1.61	6.66	1.21	4.00	0.53	2.99	0.50	38.19	1.98	14.62	562.88	640.21		
SMDH 00262	122.2	111.98	0.14	32.40	93.85	197.43	23.73	80.89	15.98	1.56	9.99	1.15	6.21	0.99	3.57	0.27	2.58	0.25	38.99	2.08	12.62	441.17	611.95	1.01	1.58
SMDH 00262	104.1	98.37	0.10	24.54	81.04	170.25	20.48	71.64	12.99	1.68	8.62	0.92	5.33	0.88	2.92	0.27	1.65	0.25	34.11	1.77	8.37	319.33	565.49		
SMDH 00262	123.9	112.78	0.11	33.49	97.11	204.98	23.97	80.89	13.80	1.56	9.99	1.26	6.66	1.10	3.89	0.53	2.99	0.25	40.80	2.08	12.03	409.29	640.21		
SMDH 00262	102.7	93.49	0.09	27.56	80.11	164.16	20.00	67.02	10.35	1.68	8.28	1.03	5.44	0.99	3.35	0.27	2.58	0.25	31.96	1.56	8.02	278.81	511.06		1.56
SMDH 00262	117.5	109.30	0.10	29.74	87.79	188.78	23.25	78.58	14.26	1.68	9.53	1.15	6.33	1.21	3.46	0.27	2.38	0.25	37.40	1.87	12.03	380.12	632.23	0.72	
SMDH 00263	145.6	138.98	0.10	34.70	117.95	249.35	29.64	100.53	18.74	1.56	12.60	1.49	7.32	1.21	3.57	0.27	2.68	0.25	48.28	2.71	20.76	658.24	601.90		
SMDH 00263	102.1	92.33	0.10	28.17	79.41	167.45	19.88	65.87	12.65	1.45	7.72	1.03	5.55	1.10	3.24	0.27	2.48	0.25	33.77	1.67	8.25	331.89	628.07		1.54
SMDH 00263	126.9	126.54	0.12	27.44	99.67	223.51	28.55	91.29	17.36	1.45	11.01	1.26	5.44	0.77	2.05	0.27	1.03	0.25	47.94	2.08	11.91	655.95	662.40		
SMDH 00263	131.6	117.26	0.14	37.48	99.79	215.59	24.70	85.51	14.72	1.56	9.99	1.84	5.22	0.88	1.62	0.27	1.03	0.25	42.95	1.77	10.85	568.55	830.21	1.36	
SMDH 00263	128.8	115.38	0.13	36.03	94.31	205.47	23.97	84.36	15.29	1.34	9.99	1.95	5.10	0.77	1.40	0.27	1.14	0.25	43.63	1.98	11.20	471.02	694.99		1.58
SMDH 00263	140.4	127.60	0.14	37.60	106.31	224.61	26.50	93.60	16.33	1.68	10.55	1.95	5.55	0.99	1.73	0.27	1.65	0.25	47.60	1.98	13.33	589.35	786.69		
SMDH 00263	138.9	103.21	0.13	55.25	85.70	187.56	21.20	73.96	14.26	1.68	9.76	1.95	6.10	1.31	2.81	0.53	3.10	0.25	38.31	1.98	8.96	527.35	661.18	1.06	1.45
SMDH 00263	131.0	93.89	0.13	54.77	79.64	172.32	19.15	67.02	12.65	1.45	8.97	1.84	5.88	1.21	2.59	0.27	3.10	0.25	36.49	1.98	10.73	427.39	608.14		
SMDH 00263	136.2	101.20	0.15	53.92	80.46	178.66	20.24	72.80	11.96	1.34	10.10	1.95	6.21	1.21	2.59	0.27	2.89	0.25	39.33	2.29	8.14	414.83	641.94		
SMDH 00263	126.7	91.44	0.13	52.71	74.75	163.67	18.79	64.71	11.73	1.34	9.65	1.84	6.10	1.21	2.59	0.27	2.99	0.25	37.29	2.29	0.47	432.93	626.51		1.38
SMDH 00263	133.7	98.66	0.11	51.86	72.77	177.69	18.19	71.64	12.07	1.34	8.51	1.72	7.10	1.21	3.13	0.53	3.92	0.50	33.43	2.40	8.25	515.33	584.04	0.84	
SMDH 00264	174.0	160.03	0.14	46.91	139.14	334.41	34.57	114.40	22.31	1.68	14.98	1.95	9.10	1.53	5.29	0.53	3.41	0.60	64.37	3.64	15.68	750.50	1256.15		
SMDH 00264	112.7	100.89	0.14	31.31	86.51	184.75	21.44	71.64	12.76	1.90	9.08	1.15	6.66	1.10	3.78	0.27	2.68	0.25	39.55	2.29	10.73	492.77	930.41		1.47
SMDH 00264	128.4	111.21	0.15	38.08	90.94	188.90	22.89	79.73	15.29	2.01	10.44	1.26	7.32	1.31	4.11	0.53	3.10	0.25	45.33	2.71	8.84	403.62	727.23		
SMDH 00264	146.7	117.66	0.15	51.38	93.96	202.18	23.97	83.20	16.21	1.68	11.35	1.61	8.88	1.75	6.48	0.64	4.65	0.60	48.05	3.23	8.61	406.86	672.97	0.93	
SMDH 00264	145.7	109.62	0.17	57.06	92.10	193.16	22.65	76.27	13.34	1.68	11.24	1.72	8.99	1.86	6.37	0.74	4.75	0.60	45.56	3.23	7.43	452.11	720.13		1.42
SMDH 00264	129.4	109.71	0.14	41.35	91.17	190.97	23.25	77.42	14.95	1.56	10.67	1.38	7.66	1.42	4.86	0.53	3.30	0.50	46.35	2.71	9.67	463.46	750.81		
SMDH 00264	125.9	107.88	0.12	40.26	93.96	196.33	23.73	75.11	14.60	1.45	10.33	1.38	7.66	1.42	4.32	0.27	3.20	0.50	45.33	2.92	7.31	455.49	609.18		
SMDH 00264	121.0	98.98	0.14	41.71	81.74	205.35	21.44	70.49	13.34	1.79	10.10	1.84	5.22	0.99	3.57	0.27	2.89	0.25	41.82	2.40	31.60	443.87	706.08	1.02	1.45
SMDH 00264	95.9	89.95	0.10	24.54	78.59	168.79	19.88	64.71	13.80	1.34	8.97	0.92	4.44	0.77	3.13	0.27	2.38	0.25	40.35	1.87	8.96	419.83	550.24		
SMDH 00264	100.0	83.76	0.11	32.52	67.18	152.70	17.59	61.24	10.92	1.34	7.49	1.38	3.55	0.77	1.62	0.27	1.86	0.25	34.34	1.46	9.08	493.45	512.62		
SMDH 00264	84.5	68.86	0.11	29.26	55.31	126.74	14.70	49.69	9.08	1.12	6.36	1.15	3.33	0.66	1.94	0.27	1.86	0.25	28.67	1.25	9.08	383.76	458.18		1.35
SMDH 00264	82.7	77.97	0.05	20.43	69.98	146.85	17.35	56.16	11.27	1.68	6.58	0.80	3.66	0.66	1.40	0.27	0.72	0.25	31.28	3.44	8.75	114.95	252.93		
SMDH 00265	96.6	83.41	0.05	30.59	69.86	151.73	17.83	60.09	10.12	0.45	7.49	1.49	3.99	0.77	1.73	0.27	1.34	0.25	34.11	2.08	12.97	557.48	367.34		
SMDH 00265	79.5	64.91	0.17	27.44	56.01	119.55	14.09	46.22	8.05	1.23	5.90	1.26	3.33	0.55	1.40	0.27	1.14	0.25	22.21	1.56	8.61	354.99	607.79		1.60
SMDH 00265	137.3	98.56	0.16	57.67	82.44	182.19	20.24	70.49	12.99	1.34	9.08	1.84	5.99	1.21	3.35	0.53	3.10	0.25	33.77	1.98	8.25	422.53	657.72		
SMDH 00265	160.0	124.50	0.13	57.55	104.09	227.16	23.37	91.29	15.41	1.34	11.24	2.30	7.55	1.31	3.24	0.53	2.99	0.50	44.99	3.23	12.38	683.23	635.01	1.26	
SMDH 00265	124.2	86.67	0.12	54.16	70.21	155.99	17.83	61.24	11.61	1.23	7.83	1.61	5.99	1.10	2.70	0.27	2.38	0.25	30.03	2.40	7.78	391.87	587.33		1.65
SMDH 00265	201.4	141.75	0.21	86.08	112.48	244.10	28.43	101.69	16.79	2.01	13.50	2.64	8.99	1.97	4.86	0.85	4.34	0.60	46.69	2.60	9.32	555.04	841.30		
SMDH 00265	212.9	145.94	0.20	95.39	120.28	265.31	30.24	102.84	16.90	1.79	13.96	2.87	9.99	2.08	5.40	0.85	5.16	0.60	50.89	2.92	14.15	581.79	807.32		
SMDH 00265	134.0	99.96	0.12	50.05	78.01	181.83	18.07	73.96	12.30	2.01	8.74	1.72	6.21	1.42	3.03	0.27	2.99	0.25	34.34	1.98	9.79	407.81	687.36	0.91	1.73
SMDH 00265	163.6	112.66	0.18	69.51	84.65	196.58	20.12	82.04	13.45	1.56	8.51	2.07	8.43	1.75	3.89	0.64	4.03	0.60	35.93	2.29	10.61	517.22	1113.30		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00265	211.7	141.41	0.15	93.57	105.14	244.71	25.06	102.84	16.90	1.79	12.14	2.52	10.99	2.41	5.40	0.96	6.51	0.70	45.90	2.60	13.09	585.57	1016.39		
SMDH 00265	173.3	120.47	0.16	73.62	94.31	214.98	22.05	87.82	15.98	1.23	10.44	1.95	8.66	1.97	4.43	0.74	5.06	0.70	41.59	2.50	11.67	544.51	815.82		1.43
SMDH 00265	142.7	132.18	0.15	38.69	111.08	263.97	30.24	92.44	16.44	2.12	10.67	1.84	7.66	1.21	4.00	0.27	3.30	0.25	50.32	3.64	20.64	699.31	931.97	0.80	
SMDH 00012t	98.2	87.89	0.11	27.56	79.99	168.30	18.91	62.40	11.84	1.68	7.38	1.03	5.55	0.99	2.27	0.27	2.27	0.25	29.92	2.29	10.02	404.70	668.99		1.05
SMDH 00012t	142.4	134.23	0.08	35.66	123.65	260.56	28.91	97.07	18.17	1.45	10.78	1.26	6.99	1.10	2.92	0.27	2.79	0.25	49.41	3.23	16.98	706.33	430.97		
SMDH 00012t	91.2	95.68	0.08	14.87	87.33	186.46	20.84	70.49	11.96	1.45	6.70	0.80	3.55	0.55	1.19	0.27	0.83	0.25	33.89	1.46	7.67	325.81	475.87		
SMDH 00012t	75.5	73.50	0.08	16.44	63.11	127.35	15.66	53.16	9.54	1.23	6.81	0.80	3.88	0.55	1.08	0.27	0.93	0.25	24.48	1.25	7.43	293.93	525.27		
SMDH 00012t	85.0	82.74	0.09	18.98	71.61	144.78	18.07	60.09	11.73	1.34	7.15	0.80	3.77	0.77	1.51	0.27	1.14	0.25	29.69	1.67	9.43	388.90	555.44		
SMDH 00012t	104.5	105.76	0.11	20.19	90.35	182.19	22.65	77.42	14.37	1.23	9.42	1.03	4.66	0.66	1.19	0.27	0.93	0.25	36.83	1.77	12.26	566.12	659.62	1.12	1.42
SMDH 00012t	70.6	71.10	0.09	13.54	64.97	136.49	15.30	52.00	9.54	1.23	5.56	0.69	3.11	0.27	0.97	0.27	0.72	0.25	25.95	1.15	7.90	317.30	589.07	0.30	1.61
SMDH 00012t	142.2	132.43	0.12	35.91	111.66	227.90	27.71	95.91	17.13	1.56	12.60	1.49	7.32	1.31	2.92	0.27	2.68	0.25	47.94	1.77	17.22	729.30	930.41		
SMDH 00012t	99.9	95.81	0.09	22.37	81.50	160.26	19.52	70.49	12.42	1.23	8.17	0.92	4.88	0.77	1.84	0.27	1.34	0.25	32.53	1.56	10.50	426.99	726.71		
SMDH 00012t	54.0	53.03	0.05	11.12	49.37	99.20	12.17	38.13	7.36	2.01	4.65	0.29	2.44	0.27	0.76	0.27	0.52	0.25	19.15	0.83	4.95	208.70	409.64		
SMDH 00159t	293.0	301.32	0.08	54.77	242.42	536.96	64.57	223.02	37.83	1.45	20.09	2.30	11.43	1.97	4.54	0.74	4.13	0.70	113.67	4.27	32.78	1387.27	365.61		1.48
SMDH 00159t	141.5	133.41	0.09	34.33	110.85	252.51	27.83	98.22	16.33	1.56	9.31	1.15	6.21	1.21	2.92	0.27	2.79	0.25	47.94	2.08	10.61	471.70	649.40		
SMDH 00159t	141.3	127.36	0.12	39.29	106.65	224.24	27.11	92.44	15.41	1.79	9.08	1.15	6.66	1.31	3.35	0.53	3.30	0.60	45.90	1.56	9.32	403.62	651.13	1.03	
SMDH 00159t	157.3	162.60	0.12	28.17	134.48	304.92	35.06	120.18	19.55	1.56	11.24	1.26	6.10	0.99	2.27	0.27	1.76	0.25	60.86	1.56	11.32	485.48	816.17		1.42
SMDH 00159t	152.6	151.96	0.14	31.31	124.35	272.13	32.29	112.09	18.97	1.56	10.67	1.26	6.33	1.10	2.70	0.27	2.48	0.25	53.27	1.46	12.03	513.44	795.36		
SMDH 00159t	131.4	134.34	0.13	24.78	113.18	248.49	29.27	99.38	15.87	1.56	8.97	0.92	4.77	0.88	2.27	0.27	2.17	0.25	47.94	1.35	9.79	433.88	769.71		
SMDH 00159t	145.7	149.69	0.11	26.84	127.26	271.16	32.29	110.93	17.13	1.45	9.87	1.03	5.44	0.99	2.38	0.27	2.27	0.25	52.93	1.35	9.32	406.46	777.68	0.44	1.50
SMDH 00159t	59.1	62.38	0.09	9.19	56.24	116.26	14.09	46.22	7.59	1.68	3.86	0.29	1.78	0.27	0.76	0.27	0.62	0.25	21.76	0.62	7.67	337.84	610.22		
SMDH 00159t	17.6	16.00	0.05	3.51	15.25	29.61	3.49	11.56	1.84	1.56	1.02	0.29	0.67	0.27	0.27	0.27	0.26	0.25	4.19	0.26	2.83	131.16	341.51		
SMDH 00159t	88.0	93.14	0.09	13.18	78.83	173.18	20.12	69.33	11.04	1.79	5.90	0.69	3.00	0.27	1.08	0.27	0.93	0.25	33.55	0.94	5.66	240.71	617.32		1.58
SMDH 00159t	166.2	171.09	0.13	29.86	143.80	313.33	36.50	127.11	21.04	1.79	11.69	1.26	6.21	1.10	2.49	0.27	2.48	0.25	60.97	1.67	12.85	592.87	841.82	0.35	
SMDH 00159t	151.2	161.74	0.12	23.09	139.49	302.36	35.42	120.18	18.86	1.79	10.21	1.15	4.99	0.88	1.94	0.27	2.07	0.25	58.25	1.35	11.67	478.05	848.24		
SMDH 00159t	155.0	161.94	0.10	26.72	137.63	299.19	35.18	120.18	20.01	1.56	10.33	1.15	5.44	0.99	2.49	0.27	2.38	0.25	58.59	1.56	9.79	421.04	726.37		1.47
SMDH 00159t	128.2	135.05	0.12	20.79	116.32	249.59	29.27	100.53	15.87	1.68	8.51	0.92	4.33	0.88	1.94	0.27	1.76	0.25	48.17	1.35	11.79	526.68	777.68		
SMDH 00164t	135.6	134.63	0.08	30.47	122.61	255.56	30.36	95.91	16.33	0.89	12.26	1.26	7.10	1.10	3.46	0.27	2.68	0.25	58.71	3.44	14.27	573.95	383.12		
SMDH 00164t	106.9	99.08	0.10	27.08	89.77	181.71	20.96	71.64	11.84	1.68	8.85	1.03	5.44	0.88	3.03	0.27	2.68	0.50	41.14	2.50	14.27	571.79	352.96		1.47
SMDH 00164t	104.4	92.40	0.21	29.14	79.06	164.89	18.79	67.02	11.15	1.68	8.17	1.03	5.55	0.99	2.81	0.27	3.10	0.25	32.87	1.98	7.08	301.09	674.88	1.87	
SMDH 00164t	90.0	81.15	0.15	24.30	72.42	151.00	16.75	58.93	10.35	1.34	7.15	0.92	4.55	0.88	2.27	0.27	2.07	0.25	29.13	1.67	6.72	291.23	599.82		
SMDH 00164t	52.6	43.06	0.08	17.05	37.14	76.53	8.79	31.20	5.17	1.34	3.97	0.29	2.77	0.55	1.73	0.27	2.07	0.25	14.62	0.94	5.07	217.07	390.23		1.39
SMDH 00164t	93.3	82.76	0.16	26.60	72.66	149.41	17.47	58.93	10.00	1.45	7.26	1.03	5.33	0.99	2.49	0.27	2.27	0.25	28.90	1.77	7.43	314.47	622.87		
SMDH 00164t	99.6	90.79	0.14	25.99	81.16	167.21	18.67	65.87	10.69	1.45	8.62	1.03	5.22	0.88	2.38	0.27	2.38	0.25	31.73	1.98	6.49	273.27	644.54	0.82	
SMDH 00164t	111.5	108.86	0.12	24.78	98.62	206.81	23.37	78.58	14.37	1.23	10.10	1.03	5.88	0.88	2.05	0.27	1.65	0.25	39.44	2.50	6.84	292.72	735.73		1.50
SMDH 00164t	66.0	66.67	0.08	12.45	59.38	121.63	14.46	48.53	8.62	1.34	6.01	0.57	3.11	0.27	0.97	0.27	0.83	0.25	24.71	1.25	4.95	201.27	685.11		
SMDH 00164t	92.2	95.42	0.10	15.72	83.60	172.57	20.24	70.49	11.84	1.34	7.94	0.92	3.77	0.55	1.30	0.27	1.14	0.25	33.09	1.98	6.13	266.51	737.11		
SMDH 00164t	122.7	122.81	0.09	22.73	122.26	229.24	25.42	90.13	16.67	2.57	12.60	1.38	5.88	0.77	1.94	0.27	1.34	0.25	41.59	2.71	9.43	443.87	700.88	0.75	
SMDH 00164t	95.6	93.60	0.16	22.24	91.52	199.62	21.93	65.87	14.37	1.68	9.53	1.03	4.77	0.99	1.94	0.27	1.34	0.25	31.96	2.19	7.90	355.53	881.35		
SMDH 00164t	103.1	89.90	0.13	31.67	81.04	180.37	20.36	62.40	12.76	1.90	9.19	1.26	5.88	1.31	3.67	0.27	2.27	0.25	30.71	2.50	8.49	378.63	747.86		
SMDH 00164t	124.0	89.27	0.16	51.38	75.92	171.35	18.55	61.24	13.45	1.90	9.87	1.26	8.21	1.97	5.73	0.74	4.44	0.70	28.22	3.12	6.37	300.96	870.77		1.56
SMDH 00164t	88.3	82.40	0.12	23.33	73.59	162.70	19.15	57.78	11.73	1.68	8.62	1.03	4.44	0.88	2.59	0.27	1.86	0.25	29.35	2.29	9.08	461.03	719.09	0.88	
SMDH 00164t	93.2	94.84	0.12	17.29	85.70	182.80	20.60	69.33	12.53	1.68	7.72	0.80	4.11	0.66	1.73	0.27	1.03	0.25	33.89	2.08	7.90	317.71	719.43		
SMDH 00164t	91.3	93.83	0.10	17.05	86.74	184.27	20.96	68.18	12.76	1.34	7.60	0.80	3.88	0.55	1.84	0.27	1.14	0.25	32.64	1.77	7.78	315.01	678.69		
SMDH 00164t	91.3	93.83	0.10	17.05	86.74	184.27	20.96	68.18	12.76	1.34	7.60	0.80	3.88	0.55	1.84	0.27	1.14	0.25	32.64	1.77	7.78	315.01	678.69		
SMDH 00241t	216.8	212.28	0.06	45.21	162.89	384.99	41.80	158.31	25.75	1.12	18.95	2.07	10.10	1.64	4.75	0.64	3.41	0.25	69.02	3.64	24.18	1013.37	411.03		
SMDH 00241t	255.2	260.57	0.10	50.53	210.63	549.14	57.70	188.36	34.72	1.79	25.53	2.64	11.87	1.75	4.75	0.27	3.30	0.25	92.14	4.17	21.58	962.58	559.77	2.36	
SMDH 00241t	180.9	188.81	0.09	33.61	154.39	390.10	43.01	135.20	25.41	1.45	18.50	1.84	8.77	1.21	3.46	0.27	2.17	0.25	67.32	3.23	13.09	544.24	436.86		1.62
SMDH 00241t	58.0	60.54	0.07	9.31	50.53	122.60	13.61	43.91	6.90	1.79	5.67	0.57	2.44	0.27	0.76	0.27	0.62	0.25	20.51	0.52	4.36	179.79	359.54		
SMDH 00241t	39.2	39.52	0.05	6.89	40.75	85.43	8.79	28.89	4.83	1.56	3.06	0.29	1.55	0.27	0.54	0.27	0.26	0.25	13.83	0.26	4.01	174.25	291.76		
SMDH 00241t	55.6	56.56	0.04	9.91	53.09	107.98	12.17	41.60	7.70	1.34	4.54	0.57	2.22	0.27	0.65	0.27	0.26	0.25	22.10	0.26	3.54	157.23	204.91	0.78	1.62
SMDH 00241t	98.4	94.48	0.15	22.61	83.60	179.64	20.12	69.33	12.19	1.45	7.72	0.92	4.11	0.77	1.94	0.27	2.07	0.25	36.49	1.04	11.67	474.27	632.23		
SMDH 00241t	70.2	65.61	0.09	17.29	59.03	124.31	14.22	47.38	9.31	1.56	5.33	0.69	3.33	0.55	1.51	0.27	1.34	0.25	25.39	0.73	7.43	305.15	412.59		
SMDH 00241t	87.9	88.80	0.12	16.93	81.74	172.08	19.40	64.71	12.30	1.56	8.17	0.92	3.77	0.55	1.40	0.27	1.03	0.25	35.02	1.04	9.79	429.96	679.39		1.70
SMDH 00241t	88.8	91.25	0.09	15.60	84.30	175.13	19.88	67.02	12.07	1.79	7.38	0.80	3.55	0.55	1.30	0.27	0.93	0.25	35.36	0.94	12.85	560.99	590.97	0.31	
SMDH 00262t	358.2	351.46	0.07	80.76	297.49	651.39	75.78	255.38	45.87	1.79	28.37	3.44	16.87	2.74	8.86	0.96	5.58	0.80	128.07	7.19	34.20	1423.61	295.57		
SMDH 00262t	87.9	78.13	0.10	25.39	65.20	196.82	16.87	55.47	10.35	1.23	6.36	0.80	4.99	0.88	3.24	0.27	2.38	0.25	33.77	1.87	8.73	372.55	550.58		
SMDH 00262t	125.2	113.40	0.09	34.33	94.66	206.33	24.21	82.04	14.03	1.68	8.74	1.15	5.99	1.21	3.89	0.53	3.20	0.25	39.67	2.40	6.96	285.15	472.05	1.00	
SMDH 00262t	119.3	98.56	0.11	39.53	81.39	170.62	20.60	70.49	12.65	1.79	8.17	1.15	6.33	1.42	5.08	0.64	3.92	0.60	33.09	2.08	9.67	398.49	509.84		
SMDH 00262t	112.8	86.09	0.12	44.61	71.03	180.49	19.40	57.78	11.50	1.45	9.19	1.15	7.77	1.31	4.86	0.64	4.13	0.25	29.58	1.87	10.50	427.12	574.85		
SMDH 00262t	124.1	104.24	0.12	41.35	83.37	212.66	23.01	71.64	13.68	1.56	10.67	1.38	8.21	1.42	4.65	0.53	3.41	0.25	34.23	1.87	9.79	443.74	594.62		1.54
SMDH 00262t	116.2	110.55	0.12	29.14	90.94	232.16	25.54	77.42	14.83	2.01	12.26	1.26	6.33	0.99	3.03	0.27	1.86	0.25	38.76	1.98	12.26	527.22	582.48	1.24	
SMDH 00262t	101.9	88.82	0.11	30.59	72.77	184.27	19.40	62.40	12.30	1.90	9.42	1.03	5.99	0.99	3.24	0.27	2.79	0.25	28.90	1.67	9.20	389.03	505.16		
SMDH 00262t	151.0	135.69	0.13	43.04	108.40	277.86	29.52	95.91	17.48	1.79	13.73	1.61	8.66	1.42	4.43	0.53	3.30	0.25	45.56	2.29	10.14	447.93	602.24		1.54
SMDH 00033bt	183.2	173.13	0.05	43.88	203.06	375.24	35.42	127.11	22.88	1.56	15.89	1.72	8.88	1.53	3.67	0.53	3.20	0.25	82.17	4.89	24.06	952.31	395.25	2.83	
SMDH 00033bt	119.3	105.61	0.13	33.25	86.05	178.42	20.72	77.42	14.03	1.12	9.76	1.03	6.44	1.21	2.81	0.27	2.38	0.25	35.81	2.29	11.20	463.59	809.23		
SMDH 00033bt	87.1	66.13	0.11	32.76	52.16	105.66	12.77	46.22	10.58	1.01	7.60	1.15	5.99	1.10	2.81	0.27	2.48	0.25	17.11	1.67	6.96	280.56	744.74		1.31
SMDH 00033bt	82.5	63.82	0.10	30.10	48.90	100.91	12.77	43.91	10.58	1.34	8.62	1.15	5.99	1.10	2.49	0.27	2.17	0.25	15.30	1.15	7.55	289.61	748.90		
SMDH 00033bt	30.6	29.74	0.05	5.44	28.99	53.01	6.38	21.96	3.68	1.79	2.50	0.29	1.11	0.27	0.27	0.27	0.26	0.25	9.29	0.26	5.07	207.62	260.04	1.46	
SMDH 00033bt	35.3	34.05	0.04	5.92	32.60	61.67	7.23	25.42	4.02	2.57	2.27	0.29	1.11	0.27	0.27	0.27	0.52	0.25	10.31	0.26	7.31	287.86	226.75		1.63
SMDH 00033bt	49.0	54.47	0.07	4.96	49.49	107.37	12.41	40.44	5.98	2.01	3.63	0.29	1.33	0.27	0.27	0.27	0.26	0.25	18.25	0.52	5.31	235.04	517.99		
SMDH 00033bt	47.1	46.85	0.09	8.58	43.90	84.94	10.12	34.67	5.52	1.79	3.29	0.29	1.78	0.27	0.76	0.27	0.72	0.25	16.32	0.62	6.01	258.68	692.74		
SMDH 00033bt	61.1	66.21	0.07	7.25	70.68	125.53	14.46	49.69	7.59	2.12	3.97	0.29	1.78	0.27	0.65	0.27	0.26	0.25	20.06	0.62	5.31	248.14	541.57	1.17	1.58
SMDH 00033bt	75.5	68.98	0.09	20.19	67.65	136.13	15.06	49.69	8.16	1.34	5.56	0.57	3.66	0.77	2.05	0.27	1.86	0.25	26.52	1.46	7.31	329.33	575.89		
SMDH 00033bt	99.8	86.95	0.11	29.38	76.27	159.41	18.19	62.40	11.50	1.68	7.26	1.03	5.33	0.99	2.59	0.27	2.58	0.25	31.17	2.19	7.55	323.79	642.63		
SMDH 00044t	111.6	99.95	0.05	31.55	91.05	199.99	20.84	71.64	13.34	0.89	8.17	1.03	6.44	1.10	2.70	0.27	2.79	0.25	36.61	1.98	12.85	571.52	273.90		1.62

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00044t	168.5	148.11	0.13	50.29	123.19	264.94	31.80	105.16	18.28	1.90	12.71	1.49	9.65	1.75	4.21	0.74	4.34	0.60	53.27	3.02	15.09	656.35	668.64		
SMDH 00044t	89.2	83.37	0.11	21.88	74.98	157.82	17.71	60.09	10.46	1.68	7.15	0.80	4.77	0.77	1.62	0.27	1.65	0.25	30.37	1.46	12.26	555.85	600.68	2.00	
SMDH 00044t	59.1	46.64	0.09	20.19	42.38	85.55	9.52	33.51	5.17	1.79	4.09	0.29	3.33	0.66	1.84	0.27	1.65	0.25	14.62	0.73	9.55	433.74	532.55		
SMDH 00044t	120.7	99.69	0.16	39.90	86.16	174.76	20.36	71.64	11.38	1.45	8.17	1.03	6.66	1.31	3.57	0.64	3.41	0.50	32.75	1.67	10.97	491.42	875.45		
SMDH 00044t	135.2	130.48	0.13	30.47	112.71	233.62	26.99	95.91	15.75	1.23	10.33	1.26	6.33	0.99	2.27	0.27	2.17	0.25	45.11	2.60	11.32	496.15	802.12	1.09	1.56
SMDH 00044t	122.5	111.37	0.13	33.37	96.87	203.77	23.61	79.73	14.26	1.34	9.53	1.15	6.88	1.21	2.59	0.27	2.79	0.25	38.65	2.08	10.50	469.27	958.67		
SMDH 00093t	272.3	279.49	0.09	53.56	250.22	539.52	62.16	203.38	34.38	1.45	21.45	2.41	11.54	1.97	6.27	0.74	3.92	0.60	111.07	5.10	29.25	1180.60	458.53	1.12	
SMDH 00093t	152.9	146.83	0.12	36.51	133.09	282.25	32.04	106.31	17.59	1.56	10.78	1.26	7.21	1.21	3.13	0.53	2.99	0.25	57.91	2.50	13.56	588.95	773.00		
SMDH 00093t	170.8	164.98	0.11	39.90	144.15	313.45	35.66	120.18	19.89	1.56	12.60	1.38	7.77	1.42	3.13	0.53	2.99	0.25	66.98	3.23	14.03	599.08	850.66		1.42
SMDH 00093t	139.2	129.30	0.09	36.03	117.60	245.57	27.71	92.44	15.64	1.56	10.21	1.38	7.77	1.10	2.70	0.27	2.68	0.25	50.55	3.75	7.67	326.89	583.69	0.74	
SMDH 00093t	122.2	104.82	0.10	38.44	90.00	197.67	22.17	73.96	12.30	1.12	8.74	1.15	7.55	1.31	3.03	0.27	2.99	0.25	42.39	3.02	9.91	417.53	595.83		
SMDH 00093t	152.1	140.52	0.09	40.50	120.51	255.80	30.36	101.69	16.10	1.45	10.55	1.26	7.21	1.31	4.32	0.27	2.79	0.50	56.89	3.12	7.19	295.56	512.79		1.38
SMDH 00014bt	97.4	99.99	0.10	18.26	88.84	194.63	22.17	72.80	13.80	1.34	7.94	0.92	4.11	0.66	1.73	0.27	1.14	0.25	39.21	2.40	8.25	340.00	98.29		1.45
SMDH 00014bt	101.9	108.53	0.05	15.47	102.70	207.18	24.33	79.73	13.80	2.23	8.74	0.80	3.66	0.55	1.30	0.27	0.72	0.25	39.21	1.67	3.54	161.96	78.36		
SMDH 00014bt	91.8	101.36	0.05	11.48	107.12	207.67	23.49	73.96	11.15	2.46	7.15	0.80	3.11	0.27	0.97	0.27	0.52	0.25	34.11	1.77	3.07	126.30	87.37		
SMDH 00014bt	179.9	199.27	0.06	21.16	214.47	192.68	44.45	150.22	24.26	3.91	15.55	1.49	3.11	0.77	2.16	0.27	0.93	0.25	70.04	2.60	5.66	258.68	309.44	0.77	1.65
SMDH 00014bt	178.7	195.14	0.07	22.12	193.98	182.07	42.41	147.91	26.56	3.80	15.32	1.72	3.11	0.77	1.62	0.27	0.83	0.25	75.37	3.33	8.49	341.89	247.90		
SMDH 00014bt	156.6	171.23	0.07	21.52	186.06	174.27	39.63	127.11	23.45	3.46	14.53	1.49	3.00	0.66	2.05	0.27	0.62	0.25	65.28	3.02	7.08	271.11	228.83		
SMDH 00014bt	173.9	189.46	0.06	22.85	200.50	186.58	42.28	142.13	25.87	3.91	16.68	1.61	3.44	0.88	2.05	0.27	0.72	0.25	74.12	2.60	4.60	183.30	200.23		1.62
SMDH 00014bt	185.0	200.63	0.09	24.78	202.02	187.31	44.09	151.38	26.44	3.69	15.66	1.72	3.44	0.77	2.27	0.27	0.83	0.25	73.21	4.17	7.31	270.70	312.74	0.42	
SMDH 00014bt	171.2	184.78	0.09	24.18	191.07	182.32	40.96	138.67	25.18	3.24	15.21	1.61	3.55	0.88	2.05	0.27	1.24	0.25	80.35	6.35	7.43	302.71	310.83		
SMDH 00014bt	106.8	110.19	0.10	18.01	105.61	152.22	24.46	82.04	14.60	3.02	8.97	0.92	2.77	0.66	1.84	0.27	1.14	0.25	39.55	3.54	6.49	252.19	324.35		1.66
SMDH 00014bt	45.2	44.67	0.06	8.46	44.01	85.67	10.36	32.36	6.21	2.46	4.09	0.29	1.66	0.27	0.86	0.27	0.62	0.25	16.55	1.46	3.18	154.40	343.25		
SMDH 00547	61.8	54.96	0.05	17.41	46.69	97.01	11.32	39.29	7.70	0.78	4.77	0.69	3.66	0.55	1.40	0.27	1.24	0.25	17.34	1.77	3.89	167.63	307.02		
SMDH 00547	68.9	63.14	0.05	17.77	54.03	110.17	13.49	45.07	8.97	1.45	5.56	0.80	3.77	0.66	1.40	0.27	1.14	0.25	18.81	2.08	3.77	158.58	217.39		1.78
SMDH 00547	78.5	70.90	0.05	20.07	60.43	123.82	14.82	50.84	10.92	2.35	6.70	0.80	4.44	0.66	1.62	0.27	1.24	0.25	23.23	2.71	3.89	147.78	227.62		
SMDH 00547	64.3	63.52	0.05	13.18	55.19	112.85	13.61	46.22	9.20	1.23	5.33	0.69	3.00	0.27	0.86	0.27	0.72	0.25	19.83	1.56	3.66	155.21	241.49	0.38	
SMDH 00548	106.1	95.49	0.11	30.10	84.65	178.66	20.84	68.18	12.30	1.34	7.72	1.03	5.44	0.99	2.59	0.27	2.48	0.25	33.89	1.98	10.73	443.74	453.33		1.52
SMDH 00548	95.1	71.55	0.09	37.24	63.69	127.48	15.06	49.69	8.97	1.34	6.13	0.92	5.88	1.10	3.03	0.53	3.30	0.25	25.27	1.56	5.90	236.80	300.95		
SMDH 00548	122.5	88.71	0.14	50.41	73.70	157.58	17.95	62.40	11.27	1.34	7.38	1.03	7.32	1.53	4.97	0.74	4.85	0.70	29.47	1.67	10.26	432.26	572.77	1.11	
SMDH 00548	129.3	111.00	0.13	40.02	95.71	206.69	23.13	79.73	13.91	1.45	8.85	1.15	6.99	1.31	3.57	0.53	3.41	0.50	38.31	1.98	9.55	408.75	535.85		1.48
SMDH 00548	148.4	117.23	0.16	53.68	100.13	216.44	24.21	83.20	14.83	1.68	9.65	1.38	8.43	1.75	4.86	0.74	4.96	0.70	39.44	2.50	10.50	429.69	611.60		
SMDH 00548	131.9	113.54	0.17	40.26	95.83	196.09	23.73	80.89	16.10	1.79	10.89	1.38	7.55	1.42	3.35	0.64	3.72	0.60	38.08	2.29	11.20	449.95	761.38	1.24	1.49
SMDH 00548	153.2	113.57	0.17	61.78	92.33	193.53	23.73	78.58	14.49	1.56	10.89	1.49	9.77	1.97	5.40	0.96	5.99	1.01	37.06	2.60	11.91	496.01	800.74		
SMDH 00548	85.1	78.41	0.09	21.88	69.98	140.76	16.99	56.62	10.00	1.79	6.47	0.80	3.99	0.77	1.73	0.27	1.65	0.25	27.99	0.94	7.55	356.75	597.04		
SMDH 00548	102.3	95.74	0.11	26.23	78.94	188.41	21.20	68.18	13.11	1.56	7.04	1.03	5.33	0.99	3.78	0.27	2.48	0.25	34.23	1.77	8.84	361.07	478.81	0.68	1.68
SMDH 00548	121.1	115.98	0.14	28.89	100.60	210.35	25.42	83.20	16.21	1.68	9.87	1.26	6.10	1.10	2.81	0.27	2.48	0.25	39.89	2.81	11.56	484.13	713.88		
SMDH 00548	99.5	104.57	0.13	16.68	99.55	204.38	24.09	75.11	14.37	2.35	8.97	1.03	4.33	0.66	1.40	0.27	0.93	0.25	36.95	1.87	8.73	374.31	588.03	0.99	1.58
SMDH 00549	128.6	128.80	0.06	26.48	113.18	248.13	27.35	94.76	17.02	0.67	10.10	1.15	5.55	0.88	2.16	0.27	2.17	0.25	47.37	2.92	21.46	957.99	323.83		
SMDH 00549	112.0	105.71	0.11	27.08	94.78	207.30	21.93	77.42	14.14	1.12	9.08	1.03	5.33	0.88	2.27	0.27	2.38	0.25	33.32	2.40	13.09	557.61	670.89	1.73	
SMDH 00549	97.3	87.46	0.13	25.63	88.49	167.33	19.03	62.40	11.50	3.24	7.04	0.92	5.10	0.88	2.27	0.27	2.38	0.25	16.66	1.04	10.02	434.42	759.82		
SMDH 00549	74.7	69.10	0.09	19.22	65.09	138.32	15.06	49.69	8.74	1.45	5.45	0.69	3.66	0.66	1.73	0.27	1.76	0.25	24.82	1.25	7.43	322.71	521.46		
SMDH 00549	100.0	97.29	0.11	22.49	89.89	201.21	21.44	70.49	12.88	1.68	8.06	0.92	4.44	0.77	1.94	0.27	1.86	0.25	37.74	1.56	11.09	498.18	682.33	0.98	
SMDH 00549	158.4	145.90	0.12	40.38	124.35	274.94	29.52	107.47	19.32	1.68	11.92	1.38	7.55	1.42	3.35	0.64	3.61	0.25	53.72	2.60	10.14	437.25	796.58		
SMDH 00549	125.3	114.83	0.13	32.16	95.83	209.13	22.89	84.36	14.49	1.23	9.65	1.26	6.33	1.10	3.03	0.27	2.89	0.25	41.37	2.19	10.97	439.82	678.87	1.15	1.55
SMDH 00549	111.8	111.65	0.09	21.16	95.24	209.13	22.65	83.20	14.49	1.68	8.97	1.03	4.77	0.77	1.73	0.27	1.45	0.25	42.16	1.98	10.14	419.83	671.41		
SMDH 00549	134.7	129.16	0.12	29.98	107.82	235.45	25.66	95.91	17.82	1.23	10.44	1.26	6.33	0.99	2.38	0.27	2.38	0.25	45.90	2.19	11.32	480.07	739.02		
SMDH 00549	93.9	89.56	0.11	22.12	80.57	173.79	19.15	64.71	10.92	1.34	7.49	0.92	4.77	0.88	2.27	0.27	1.55	0.25	33.21	1.67	6.72	295.42	592.19		
SMDH 00549	74.1	68.61	0.09	18.38	60.55	133.93	14.46	49.69	8.51	1.56	5.45	0.69	3.77	0.66	1.62	0.27	1.55	0.25	23.80	1.25	7.31	325.68	698.63		
SMDH 00549	79.7	76.57	0.07	18.74	70.79	147.34	16.87	55.47	9.08	1.23	6.13	0.69	3.55	0.66	2.05	0.27	1.76	0.25	26.63	1.35	6.96	311.49	627.03	1.33	1.58
SMDH 00549	73.0	72.05	0.09	15.72	68.70	138.08	16.14	52.00	9.43	1.34	5.56	0.69	3.22	0.55	1.94	0.27	1.45	0.25	24.71	1.15	7.67	337.16	557.34		
SMDH 00549	118.7	117.53	0.11	25.03	109.33	240.94	25.66	85.51	14.83	1.79	9.19	1.03	5.33	0.88	2.05	0.27	1.86	0.25	39.67	2.08	10.14	455.22	664.13		
SMDH 00550	49.6	40.46	0.05	17.65	40.40	79.34	8.79	30.04	8.97	0.28	2.04	0.29	1.33	0.27	1.19	0.27	1.45	0.25	13.26	2.29	6.01	496.15	288.99	1.55	
SMDH 00550	13.7	10.04	0.04	5.32	13.04	16.45	1.93	6.93	1.38	0.28	0.79	0.29	0.89	0.27	0.27	0.27	0.52	0.25	8.84	1.04	2.48	116.71	272.69		
SMDH 00550	17.7	12.14	0.07	7.98	13.86	20.23	2.65	8.09	1.61	0.28	1.13	0.29	1.11	0.27	0.65	0.27	0.83	0.25	8.50	1.15	2.83	123.87	272.69		
SMDH 00550	17.0	12.14	0.07	7.25	14.09	20.23	2.65	8.09	1.26	0.28	1.36	0.29	1.11	0.27	0.54	0.27	0.72	0.25	9.29	1.15	2.59	102.39	215.48		1.69
SMDH 00550	14.3	9.22	0.09	6.89	12.23	14.75	2.05	5.78	1.03	0.28	0.79	0.29	1.11	0.27	0.54	0.27	0.83	0.25	10.77	0.94	2.48	95.77	268.88	1.17	
SMDH 00550	13.7	7.81	0.07	7.13	7.10	11.33	1.57	4.62	0.92	0.28	1.02	0.29	1.33	0.27	0.65	0.27	0.72	0.25	6.80	0.83	2.12	93.34	221.20		
SMDH 00550	10.1	5.84	0.04	5.08	7.45	9.14	1.08	3.47	0.29	0.28	0.79	0.29	1.00	0.27	0.27	0.27	0.26	0.25	6.12	0.83	1.77	73.62	214.62		1.67
SMDH 00551	89.2	66.69	0.10	35.54	62.18	125.04	14.34	46.22	8.16	1.34	5.67	0.80	5.33	1.21	4.11	0.53	3.72	0.60	21.31	1.77	10.97	513.30	893.31		
SMDH 00551	96.9	73.96	0.16	36.51	64.39	127.48	14.94	52.00	8.74	1.34	6.24	0.92	6.10	1.31	3.35	0.53	3.61	0.50	23.35	1.67	12.15	474.94	895.91		
SMDH 00551	110.7	106.65	0.09	22.00	96.76	183.90	19.03	82.04	13.80	1.12	7.94	0.80	4.77	0.88	2.49	0.27	2.07	0.25	42.84	1.98	9.91	431.18	582.31		
SMDH 00551	62.8	48.51	0.09	22.61	41.57	84.70	9.28	34.67	5.98	1.01	3.63	0.57	3.99	0.77	2.05	0.27	2.07	0.25	15.64	1.15	5.90	239.36	574.68	1.39	
SMDH 00551	47.6	36.28	0.09	17.77	31.67	64.83	7.35	25.42	4.48	0.89	3.06	0.29	3.22	0.66	1.73	0.27	1.76	0.25	11.90	1.15	5.90	235.31	474.48		1.40
SMDH 00551	96.1	72.56	0.16	36.63	62.64	128.21	14.70	50.84	9.43	1.56	6.47	0.92	6.10	1.21	3.13	0.64	3.51	0.50	23.12	1.87	9.79	361.34	938.73		
SMDH 00551	108.5	86.42	0.12	38.57	73.82	153.31	17.71	61.24	10.69	1.23	7.04	1.03	6.44	1.21	3.24	0.53	3.51	0.60	29.58	2.08	12.74	511.95	760.34		
SMDH 00551	117.1	96.59	0.14	39.53	86.40	165.74	20.72	68.18	12.53	1.68	7.60	1.03	6.66	1.31	3.57	0.64	3.92	0.60	28.45	2.50	14.51	589.62	854.65	2.57	
SMDH 00551	203.7	191.81	0.13	50.78	168.25	351.59	40.72	139.82	23.57	1.79	15.55	1.84	9.43	1.64	4.00	0.64	3.82	0.60	68.11	3.54	20.05	907.87	723.59		
SMDH 00551	52.9	35.00	0.13	23.21	27.01	53.74	6.38	24.27	4.94	1.12	3.86	0.57	3.77	0.77	1.94	0.27	1.65	0.25	7.25	1.15	2.71	117.38	825.18		
SMDH 00551	87.4	63.61	0.24	34.82	58.80	97.62	13.01	43.91	8.39	2.01	5.79	0.92	5.77	1.21	2.92	0.27	2.79	0.25	9.07	1.35	3.66	154.53	1822.85		1.44
SMDH 00551	85.4	43.41	0.34	47.03	22.59	48.87	6.99	27.73	6.90	1.90	6.58	1.15	7.55	1.64	3.89	0.74	3.92	0.60	6.80	1.35	5.07	209.37	2597.93	1.48	
SMDH 00551	70.4	49.88	0.17	28.89	39.36	80.07	10.12	33.51	7.13	1.79	5.33	0.92	5.33	0.99	2.49	0.27	2.48	0.25	11.90	1.15	4.72	193.03	1234.82		
SMDH 00551	82.3	43.91	0.25	44.13	27.71	61.06	7.71	27.73	7.59	2.01	6.13	1.03	7.44	1.42	3.57	0.64	3.72	0.50	7.14	1.56	4.36	178.58	1936.23		1.41
SMDH 00551	41.1	23.59	0.04	20.31	16.53	32.66	4.22	15.02	3.91	1.45	3.52	0.57	3.77	0.77	1.62	0.27	1.65	0.25	2.38	0.52	1.18	50.11	238.71		
SMDH 00551	63.7	34.64	0.26	33.13	23.87	53.38	5.78	21.96	5.40	1.68	5.22	0.80	6.10	1.31	3.24	0.27	2.99	0.25	6.69	1.67	4.48	192.62	1807.25	0.83	
SMDH 00551	24.8	18.41	0.06	8.70	17.47	35.34	3.86	12.71	2.87	1.56	2.04	0.29	1.55	0.27	0.76	0.27	0.72	0.25	4.76	1.15	5.54	207.21	476.21		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00551	75.1	44.40	0.22	36.27	30.16	62.76	7.71	28.89	6.44	2.12	6.24	1.03	6.77	1.31	3.46	0.53	3.20	0.50	7.71	1.87	4.60	185.87	1906.58		
SMDH 00553	190.6	178.74	0.12	50.65	159.52	278.96	39.88	128.27	23.22	1.12	14.30	1.61	8.99	1.64	4.32	0.64	4.34	0.70	40.23	3.96	22.52	963.12	589.93	1.04	
SMDH 00553	117.4	98.22	0.18	39.05	86.40	199.62	21.08	69.33	13.11	1.23	8.06	1.15	6.66	1.31	3.67	0.64	4.03	0.70	37.74	2.19	16.27	706.20	764.33		1.28
SMDH 00553	95.7	71.79	0.16	37.72	65.79	148.80	15.30	49.69	9.54	1.45	6.13	0.92	5.88	1.21	3.57	0.53	3.82	0.60	28.45	1.56	10.38	455.49	735.55		
SMDH 00553	112.7	91.59	0.14	39.29	84.07	180.37	19.64	64.71	11.38	1.45	7.26	0.92	6.33	1.31	3.46	0.64	3.92	0.60	33.32	2.92	10.26	461.57	576.59		
SMDH 00553	107.0	84.60	0.15	39.41	78.24	170.98	18.31	58.93	10.81	1.34	7.15	1.03	6.33	1.31	3.46	0.53	3.82	0.60	30.26	2.71	11.09	476.02	563.24	0.72	1.46
SMDH 00553	99.4	79.12	0.16	35.66	71.03	151.85	16.75	55.47	9.89	1.34	6.47	0.92	5.99	1.21	3.57	0.64	3.92	0.60	24.93	2.19	10.61	441.31	652.17		
SMDH 00553	120.6	88.09	0.16	48.24	79.18	166.84	17.23	62.40	10.46	1.45	7.26	1.03	7.44	1.64	6.16	0.74	5.89	0.80	27.43	1.77	12.03	430.09	648.53		
SMDH 00553	117.8	110.75	0.15	29.74	101.42	220.10	24.21	79.73	13.45	1.56	8.28	1.03	5.77	1.10	2.70	0.27	2.68	0.25	38.76	1.35	16.16	679.59	833.33		1.48
SMDH 00553	128.9	119.10	0.14	33.97	106.89	232.77	25.78	85.51	14.83	1.56	9.42	1.15	6.66	1.21	2.92	0.53	3.20	0.50	40.46	1.56	14.27	584.90	762.77	0.43	
SMDH 00553	147.6	141.70	0.14	34.58	128.54	278.11	30.60	102.84	17.48	1.90	11.12	1.38	6.88	1.21	3.03	0.27	3.20	0.50	48.62	1.67	15.33	636.36	697.94		
SMDH 00553	95.3	61.65	0.13	44.37	49.60	107.00	11.81	41.60	8.16	1.12	6.24	1.03	7.21	1.64	4.00	0.74	4.23	0.70	17.00	1.25	9.20	392.54	535.85		1.60
SMDH 00555	151.1	142.22	0.06	37.72	124.82	250.81	30.12	102.84	18.17	1.23	12.03	1.49	7.77	1.31	3.03	0.27	2.79	0.25	39.89	3.33	15.92	707.55	653.73	0.43	
SMDH 00555	104.2	99.91	0.08	23.70	90.00	182.68	21.20	72.80	11.84	1.79	7.94	0.92	4.99	0.88	2.05	0.27	1.96	0.25	28.79	2.19	9.08	393.62	596.00		1.56
SMDH 00555	81.7	64.25	0.09	29.38	57.05	113.46	13.49	45.07	8.39	1.56	5.67	0.80	4.88	0.99	2.59	0.27	2.79	0.25	17.79	1.56	5.78	243.82	447.78		
SMDH 00555	96.9	79.70	0.09	32.28	76.96	141.12	16.99	55.47	10.69	1.90	6.92	1.03	6.21	1.10	2.59	0.27	2.68	0.25	20.17	2.40	5.90	248.68	507.07		
SMDH 00555	92.3	82.77	0.09	25.63	75.33	150.02	17.59	58.93	11.27	1.45	7.26	1.03	5.22	0.99	2.27	0.27	2.27	0.25	25.95	2.50	5.90	255.98	433.74	0.40	1.59
SMDH 00555	67.1	58.12	0.11	19.71	51.81	102.13	12.17	41.60	7.70	1.45	4.88	0.69	3.66	0.66	1.73	0.27	1.76	0.25	16.55	1.56	6.13	280.56	600.68		
SMDH 00555	72.5	58.53	0.09	24.42	50.30	99.93	11.81	41.60	7.36	1.34	4.65	0.69	4.44	0.77	2.05	0.27	2.27	0.25	15.75	1.46	6.49	253.95	472.74		
SMDH 00555	52.7	43.89	0.09	16.56	40.05	82.87	9.52	31.20	5.63	1.79	3.63	0.29	2.89	0.55	1.30	0.27	1.45	0.25	12.81	1.25	4.95	214.91	527.35		1.58
SMDH 00555	63.1	56.77	0.09	17.17	54.61	106.39	12.53	40.44	7.59	1.68	4.43	0.57	3.22	0.66	1.51	0.27	1.76	0.25	16.89	1.77	6.60	268.54	502.56	0.37	
SMDH 00555	94.1	86.29	0.09	25.03	78.59	160.50	18.31	62.40	11.27	1.12	7.15	0.92	4.66	0.88	2.38	0.27	2.68	0.25	27.88	1.98	6.84	232.88	422.99		
SMDH 00555	84.2	58.50	0.25	36.51	51.23	104.69	11.93	40.44	7.47	1.12	5.45	0.80	5.33	1.21	3.35	0.64	3.51	0.60	16.89	1.04	4.25	155.21	549.72		1.40
SMDH 00556	102.3	101.43	0.09	21.76	88.14	206.93	21.44	73.96	13.68	0.56	8.97	1.03	4.99	0.77	2.05	0.27	2.38	0.25	39.10	3.85	26.53	1131.30	698.63		1.68
SMDH 00556	52.8	42.61	0.09	17.89	35.28	118.70	8.55	30.04	6.44	0.89	4.31	0.57	3.44	0.77	1.73	0.27	1.65	0.25	14.17	1.46	6.96	307.31	464.42	2.48	
SMDH 00556	77.9	57.70	0.09	30.47	55.66	61.30	11.69	40.44	7.24	1.45	5.56	0.69	4.88	0.99	2.49	0.27	2.68	0.25	10.65	0.94	4.36	183.71	399.59		
SMDH 00556	65.7	56.92	0.09	19.58	47.16	105.30	11.69	40.44	7.59	0.89	5.11	0.69	4.11	0.77	1.84	0.27	1.96	0.25	18.02	1.46	4.72	221.13	411.90		1.57
SMDH 00556	99.6	83.07	0.09	31.92	73.59	158.80	16.62	60.09	10.81	1.23	6.81	0.92	5.44	1.10	2.81	0.27	2.89	0.25	28.33	1.67	7.19	332.30	565.14		
SMDH 00573	240.7	224.45	0.08	60.81	253.48	508.56	45.90	162.93	28.74	1.34	21.79	2.41	13.21	1.97	5.29	0.74	5.47	0.60	103.25	5.52	38.80	1756.31	1202.75	1.42	
SMDH 00573	103.5	91.44	0.16	29.01	81.39	179.51	18.55	65.87	12.30	1.56	8.17	0.92	6.10	0.99	2.38	0.27	2.79	0.25	30.15	1.56	9.43	450.49	1042.22		
SMDH 00573	116.3	117.08	0.08	22.73	108.63	219.73	25.06	86.67	14.03	1.56	9.19	0.92	4.44	0.77	1.62	0.27	1.65	0.25	41.14	1.15	12.26	515.20	525.97		1.54
SMDH 00573	129.4	115.80	0.11	36.39	105.02	217.78	24.58	83.20	14.37	1.79	9.87	1.15	6.88	1.31	3.13	0.27	3.20	0.25	40.80	1.77	9.08	384.30	739.54	1.74	
SMDH 00573	140.0	130.82	0.11	34.82	115.97	241.30	26.99	95.91	15.29	1.34	10.55	1.38	6.55	1.31	2.81	0.27	2.89	0.25	44.88	1.98	9.79	431.18	669.68		1.50
SMDH 00573	85.5	92.68	0.10	11.97	87.79	194.26	20.60	68.18	12.07	1.45	6.92	0.69	3.22	0.27	0.86	0.27	0.62	0.25	37.29	0.73	7.78	344.45	657.89		
SMDH 00573	94.5	100.96	0.09	14.51	97.57	207.30	22.65	73.96	12.65	1.68	7.94	0.80	3.55	0.55	1.08	0.27	0.93	0.25	34.11	5.21	5.42	248.14	659.97	0.99	
SMDH 00573	117.0	120.43	0.09	20.31	107.35	225.09	25.54	88.98	14.26	1.79	8.85	1.03	4.88	0.77	1.51	0.27	1.45	0.25	42.95	1.15	10.26	421.04	755.14		
SMDH 00573	109.3	105.38	0.10	24.42	92.22	194.63	22.05	77.42	12.42	1.56	8.17	0.92	4.99	0.88	1.94	0.27	1.96	0.25	36.49	0.94	10.50	449.28	618.36		
SMDH 00573	89.7	82.36	0.11	23.33	78.01	162.70	17.59	60.09	10.00	1.56	5.90	0.69	3.99	0.77	2.16	0.27	2.48	0.25	27.88	0.73	8.25	386.19	632.75	0.87	1.62
SMDH 00573	95.1	92.82	0.12	20.07	85.23	177.69	19.52	68.18	11.73	1.68	7.26	0.80	4.33	0.88	1.84	0.27	1.65	0.25	29.69	0.94	7.31	312.58	710.76		
SMDH 00575	55.6	44.62	0.11	19.83	38.19	94.33	9.52	31.20	5.75	0.67	3.63	0.57	3.33	0.66	2.16	0.27	2.17	0.25	20.51	0.83	9.20	387.54	545.38		1.38
SMDH 00575	85.9	68.78	0.13	30.47	58.10	139.54	14.34	48.53	8.16	1.01	4.88	0.80	5.10	1.10	3.13	0.53	2.99	0.25	25.73	1.04	16.04	694.85	630.67		
SMDH 00575	118.4	106.44	0.10	34.21	95.24	204.62	23.37	76.27	13.45	1.12	7.38	1.03	5.77	1.10	3.35	0.53	3.10	0.25	38.76	1.04	12.62	541.27	705.56		
SMDH 00575	73.5	66.17	0.06	20.55	57.64	126.26	14.22	47.38	8.39	1.01	5.22	0.69	3.88	0.77	1.94	0.27	1.76	0.25	21.76	0.83	8.49	368.09	421.60	0.91	1.56
SMDH 00575	92.7	78.26	0.10	30.34	69.98	152.09	17.11	55.47	9.43	1.23	5.56	0.80	4.88	0.99	2.92	0.27	2.68	0.25	25.61	0.83	9.20	403.75	721.34		
SMDH 00575	73.0	63.16	0.09	22.61	54.72	115.53	13.85	45.07	7.47	1.12	4.09	0.57	3.66	0.77	2.16	0.27	2.38	0.25	21.65	0.62	10.50	438.74	443.27		
SMDH 00575	83.8	70.69	0.09	26.72	59.50	128.21	14.94	50.84	8.39	1.34	4.65	0.69	4.22	0.88	2.38	0.27	2.58	0.25	21.08	0.73	10.97	479.13	524.41		
SMDH 00576	110.9	98.57	0.09	31.31	91.29	177.20	20.24	71.64	12.19	1.23	7.60	0.92	5.77	0.99	2.59	0.27	2.68	0.25	25.95	2.60	19.93	765.23	728.79		1.42
SMDH 00576	114.4	101.98	0.09	33.13	93.26	182.93	22.05	72.80	13.11	1.34	8.62	1.03	6.10	1.10	2.81	0.27	2.89	0.25	25.73	2.60	20.05	816.96	717.18		
SMDH 00576	133.9	117.90	0.13	39.77	106.42	225.95	25.18	84.36	15.18	1.45	9.42	1.26	7.10	1.31	3.67	0.64	3.92	0.60	43.86	2.50	22.76	952.04	684.24		
SMDH 00576	62.7	43.82	0.16	26.23	30.04	48.26	8.31	30.04	5.86	1.01	5.56	0.80	4.66	0.88	1.94	0.27	1.96	0.25	5.44	0.52	3.66	148.45	1029.39		
SMDH 00576	64.9	50.29	0.18	24.30	36.91	79.09	10.60	34.67	5.40	0.89	4.54	0.80	4.22	0.99	2.27	0.27	2.27	0.25	12.47	0.26	5.42	270.70	836.45		1.42
SMDH 00576	121.1	91.84	0.20	46.42	74.98	162.09	18.43	64.71	11.38	1.23	7.04	1.15	7.55	1.75	4.43	0.74	4.34	0.60	26.97	0.83	12.97	540.05	918.79	2.45	
SMDH 00576	112.9	93.53	0.16	37.36	79.29	169.76	19.15	67.02	11.61	1.12	8.17	1.03	6.33	1.42	3.24	0.53	3.41	0.25	27.65	0.94	15.92	683.91	812.70		
SMDH 00576	122.6	101.70	0.16	40.50	84.65	177.32	20.72	73.96	11.04	1.12	7.94	1.03	5.99	1.42	3.78	0.53	4.44	0.50	30.15	1.15	12.62	507.63	916.71		1.62
SMDH 00576	94.2	84.42	0.12	26.23	74.98	156.60	17.71	61.24	10.00	1.23	6.36	0.80	4.66	0.99	2.49	0.27	2.79	0.25	25.50	0.94	11.79	469.13	799.52		
SMDH 00576	123.1	100.13	0.14	41.71	84.07	178.42	20.24	71.64	11.84	1.45	8.62	1.03	7.21	1.53	4.00	0.64	4.03	0.60	30.15	0.94	11.32	479.80	598.08	1.11	
SMDH 00576	148.2	118.37	0.20	52.23	98.04	209.62	23.97	84.36	14.26	1.56	10.21	1.49	8.54	1.86	4.75	0.85	5.27	0.80	35.13	1.15	12.26	534.24	953.46		1.63
SMDH 00576	95.7	91.01	0.12	23.45	88.49	172.69	20.24	65.87	9.08	1.45	6.01	0.69	4.22	0.77	2.38	0.27	2.48	0.25	24.71	0.94	14.03	570.71	997.84		
SMDH 00576	124.2	79.11	0.31	59.48	63.46	132.23	15.66	54.31	9.31	1.23	6.70	1.15	7.99	2.08	5.62	1.06	6.71	0.91	21.65	1.15	11.20	497.50	1440.08		
SMDH 00576	68.2	38.39	0.31	35.30	24.57	49.97	6.51	25.42	4.83	1.01	5.22	0.92	5.55	1.21	2.92	0.27	3.61	0.25	7.14	0.62	4.13	170.74	1206.91	3.11	1.64
SMDH 00576	104.3	93.13	0.27	29.74	79.76	170.25	19.64	67.02	11.38	1.12	7.49	0.92	5.55	0.99	3.13	0.27	3.51	0.25	28.90	2.40	12.85	515.47	1559.69		
SMDH 00576	65.0	47.79	0.27	25.27	36.68	81.53	9.16	33.51	6.32	1.12	4.65	0.69	4.44	0.88	2.59	0.27	2.79	0.25	12.69	0.73	6.84	290.02	1523.29		
SMDH 00577	74.5	70.85	0.08	18.62	64.51	163.31	15.54	50.84	9.20	0.56	5.67	0.69	3.77	0.66	1.62	0.27	1.76	0.25	25.73	2.29	18.87	778.33	442.58		1.73
SMDH 00577	95.6	80.90	0.16	30.34	75.68	160.99	16.99	57.78	10.81	1.34	6.81	0.92	5.22	1.10	2.59	0.27	2.68	0.25	28.11	2.19	8.73	382.55	831.25		
SMDH 00577	155.4	130.25	0.13	50.05	115.85	224.97	26.99	92.44	16.21	2.12	11.24	1.61	9.21	1.86	4.54	0.74	4.75	0.80	32.98	3.02	13.09	556.80	605.02		
SMDH 00577	64.1	52.76	0.10	21.64	47.16	102.98	11.32	36.98	6.78	1.01	4.65	0.69	3.77	0.77	1.94	0.27	2.07	0.25	19.83	1.25	7.31	331.35	489.04		1.48
SMDH 00577	22.9	16.66	0.05	8.83	15.95	28.88	3.37	11.56	1.95	0.78	1.36	0.29	1.44	0.27	0.76	0.27	0.83	0.25	6.23	1.25	4.36	187.76	274.42	2.24	
SMDH 00577	44.8	37.26	0.07	14.75	33.77	71.17	7.95	26.58	4.37	0.78	2.95	0.29	2.44	0.27	1.30	0.27	1.34	0.25	10.20	0.94	7.08	308.93	450.90		
SMDH 00577	71.7	60.20	0.08	23.21	52.51	112.00	12.65	42.76	7.70	0.89	5.22	0.69	4.11	0.77	1.94	0.27	1.86	0.25	19.38	2.40	4.72	215.72	394.56		1.48
SMDH 00577	22.5	13.49	0.16	10.40	10.83	21.33	2.41	9.24	1.84	1.01	1.48	0.29	1.55	0.27	0.86	0.27	1.03	0.25	2.72	0.52	7.08	326.76	591.84		
SMDH 00600	132.0	115.63	0.09	39.05	96.29	210.10	24.01	83.55	13.51	1.32	11.24	1.29	6.79	1.40	4.05	0.55	4.13	0.55	36.38	3.08	21.93	917.19	860.54	1.43	
SMDH 00600	144.0	128.86	0.11	40.38	105.96	220.71	26.73	93.37	16.27	1.49	12.14	1.35	7.40	1.50	4.06	0.50	4.23	0.57	40.46	3.10	23.35	954.07	856.56		1.44
SMDH 00600	103.5	93.28	0.11	28.53	78.36	161.36	19.79	67.60	10.78	1.43	7.38	0.95	4.94	1.08	2.69	0.44	2.89	0.38	31.28	1.54	9.91	403.08	635.87	0.01	
SMDH 00600	69.7	69.56	0.16	13.66	60.43	122.36	14.81	51.65	9.46	1.26	5.79	0.68	2.42	0.45	1.05	0.16	1.03	0.14	24.03	1.19	5.78	253.00	554.57		1.61
SMDH 00600	55.7	54.88	0.15	11.85	49.60	103.22	12.49	39.17	7.99	1.50	5.22	0.54	2.67	0.43	0.82	0.14	0.83	0.10	18.81	1.22	6.01	263.14	441.37		
SMDH 00600	59.1	64.70	0.14	7.37	55.66	117.24	14.22	48.07	9.98	1.26	5.33	0.53	1.89	0.25	0.62	0.08	0.62	0.08	24.14	1.63	8.96	481.29	592.53		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00600	52.3	57.86	0.17	6.65	49.83	103.10	13.40	42.41	7.86	1.15	5.33	0.47	1.59	0.22	0.36	0.06	0.52	0.06	20.97	1.58	6.37	281.37	539.83		
SMDH 00600	66.7	76.84	0.13	5.68	65.20	139.54	17.12	57.55	11.42	1.31	6.47	0.53	1.64	0.20	0.40	0.05	0.41	0.05	31.85	1.90	6.01	268.13	512.27		1.76
SMDH 00600	60.8	70.30	0.12	4.71	58.57	128.57	15.34	53.16	10.64	1.11	5.90	0.47	1.34	0.15	0.37	0.04	0.41	0.05	28.11	1.90	7.78	320.54	599.47		
SMDH 00600	63.6	70.17	0.06	8.10	59.85	130.89	15.93	52.12	8.82	1.27	6.13	0.52	1.61	0.24	0.70	0.12	0.62	0.09	24.59	1.75	6.13	242.60	586.29		
SMDH 00600	73.0	84.24	0.15	6.77	72.77	156.11	19.41	62.28	11.03	1.44	7.49	0.62	1.93	0.23	0.53	0.06	0.52	0.06	31.96	1.95	7.67	301.23	680.95		
SMDH 00600	58.9	61.01	0.11	9.91	53.33	109.56	13.88	44.60	7.45	1.87	4.65	0.46	2.06	0.34	0.85	0.12	0.72	0.10	21.31	0.89	4.72	206.13	491.47		1.69
SMDH 00601	92.8	79.62	0.12	28.41	66.14	141.25	16.40	57.43	10.74	1.15	7.38	0.90	4.89	1.00	2.77	0.41	2.89	0.39	24.71	2.13	14.62	626.91	824.83		
SMDH 00601	77.8	59.36	0.14	28.77	46.46	106.27	11.69	41.72	7.14	1.33	5.90	0.88	5.07	1.10	2.82	0.39	2.89	0.39	17.79	1.58	8.61	364.31	792.24		
SMDH 00601	48.3	35.45	0.10	19.10	30.39	56.55	7.58	24.38	4.58	1.32	3.75	0.48	3.01	0.64	1.96	0.28	1.65	0.22	10.54	0.66	2.83	124.00	376.53	0.02	
SMDH 00601	39.6	33.79	0.08	12.33	30.86	61.30	7.59	23.69	4.51	1.12	3.29	0.34	2.16	0.36	1.08	0.14	0.83	0.11	10.09	0.75	1.42	66.46	249.98		
SMDH 00601	47.3	21.80	0.27	27.81	10.36	24.62	3.48	12.83	3.74	1.18	4.31	0.75	4.75	0.94	2.87	0.39	2.79	0.38	2.27	0.60	2.24	100.23	1263.60		
SMDH 00601	50.2	21.75	0.31	30.59	9.90	22.42	3.40	12.60	3.39	1.22	4.09	0.75	5.02	1.11	2.86	0.45	2.48	0.33	2.04	0.53	2.59	104.82	1371.95		1.96
SMDH 00601	55.4	24.39	0.28	33.00	10.36	19.01	3.25	15.02	3.06	1.27	4.31	0.80	5.32	1.11	2.86	0.49	2.68	0.36	1.70	0.72	2.48	100.90	1134.28		
SMDH 00601	50.1	24.44	0.29	27.93	10.94	20.47	3.51	15.25	3.82	1.24	4.20	0.70	4.98	0.98	2.81	0.39	2.79	0.37	1.70	0.54	2.71	117.11	1208.47	0.02	
SMDH 00601	54.1	23.58	0.30	32.52	10.60	25.35	3.32	14.33	3.66	1.28	4.43	0.75	5.18	1.11	3.26	0.48	2.99	0.39	2.38	0.40	2.71	109.41	1513.23		
SMDH 00601	56.1	26.07	0.30	32.52	15.14	24.74	4.04	16.41	4.35	1.51	4.31	0.76	4.87	1.06	3.12	0.47	3.10	0.40	1.93	0.35	2.59	96.04	1379.06		1.89
SMDH 00601	55.0	24.27	0.30	33.00	11.18	22.30	3.72	14.68	4.10	1.43	4.77	0.86	5.02	1.25	3.08	0.46	3.10	0.40	2.15	0.44	2.71	102.80	1366.23		
SMDH 00601	50.9	26.94	0.27	27.68	16.30	39.97	5.14	16.64	4.56	1.44	4.88	0.79	4.36	1.00	2.84	0.35	2.79	0.37	5.44	0.45	2.12	94.56	1236.38		
SMDH 00601	96.6	96.04	0.16	20.43	82.90	188.53	21.61	68.76	13.02	1.76	8.28	1.15	4.53	0.79	1.79	0.27	1.65	0.23	38.42	1.91	9.32	379.84	891.06	0.02	
SMDH 00601	69.1	52.19	0.15	26.72	44.36	90.67	11.37	35.24	6.54	1.52	5.22	0.76	4.82	0.99	2.85	0.50	3.30	0.44	18.02	1.36	6.25	263.27	658.93		1.60
SMDH 00601	124.3	120.17	0.11	29.74	110.26	224.73	26.74	86.55	14.98	1.17	9.99	1.19	5.68	1.07	2.71	0.44	2.38	0.31	46.47	3.44	10.61	431.58	777.16		
SMDH 00601																									
SMDH 00601	125.1	116.42	0.10	33.25	107.12	220.46	26.02	83.78	14.98	1.42	9.76	1.19	5.43	1.12	3.62	0.53	4.44	0.59	44.65	2.50	12.15	454.81	688.05		
SMDH 00601	126.9	115.80	0.15	36.15	105.37	218.76	26.11	82.16	14.65	1.09	9.76	1.14	6.40	1.34	3.75	0.75	4.85	0.64	44.88	3.57	13.56	546.26	770.92	0.01	1.61
SMDH 00601	189.1	176.61	0.20	49.69	165.57	338.07	38.79	127.23	22.62	1.57	14.41	1.94	8.66	1.67	5.52	0.73	5.27	0.77	68.57	5.99	20.05	716.06	1279.20		
SMDH 00601	125.8	114.47	0.13	34.58	103.63	211.69	24.46	82.51	14.82	1.22	9.87	1.30	6.21	1.10	3.46	0.48	3.41	0.49	41.37	4.31	12.03	440.77	962.48		
SMDH 00601	145.2	127.04	0.12	44.85	116.78	243.86	27.62	90.36	17.35	0.93	11.01	1.65	7.40	1.47	4.48	0.65	4.96	0.72	46.35	4.74	16.86	668.51	746.30		
SMDH 00606	62.6	52.12	0.07	20.07	44.59	94.21	10.44	37.56	6.59	0.84	5.67	0.63	3.48	0.77	2.02	0.28	2.07	0.29	16.21	1.38	8.96	391.06	508.11		
SMDH 00606	90.4	74.20	0.10	29.50	60.43	126.62	14.58	53.27	8.47	1.25	6.70	0.95	5.40	0.99	3.08	0.42	2.89	0.39	21.08	1.58	10.02	455.08	673.84	1.90	1.55
SMDH 00606	97.2	81.74	0.08	32.88	77.20	155.14	19.08	55.93	10.55	1.66	8.06	1.16	5.57	1.04	3.26	0.45	2.99	0.43	28.11	2.17	9.91	384.03	751.16		1.09
SMDH 00606	68.6	60.60	0.09	19.95	54.03	111.63	13.23	42.76	8.20	1.25	5.45	0.79	3.83	0.69	2.19	0.25	2.07	0.30	20.40	1.54	6.60	241.66	605.19	0.03	
SMDH 00606	56.6	45.00	0.08	19.46	38.42	80.68	9.28	31.08	7.44	1.38	4.99	0.85	3.80	0.60	1.67	0.19	1.34	0.19	11.22	1.48	4.72	185.46	568.26		
SMDH 00606	62.8	56.30	0.08	16.80	52.40	104.81	11.61	40.79	6.96	1.33	5.56	0.72	3.17	0.55	1.55	0.17	1.45	0.21	18.47	1.56	5.78	224.50	649.92		
SMDH 00606	84.0	68.32	0.09	28.77	58.22	120.77	14.34	48.42	9.99	1.26	6.36	0.88	4.68	0.93	2.69	0.42	2.79	0.40	22.44	1.43	5.90	232.07	595.48		1.62
SMDH 00606	86.6	71.82	0.09	28.29	62.64	133.45	14.94	51.31	10.41	1.40	6.92	0.95	4.63	0.93	2.69	0.38	2.27	0.34	25.16	1.73	6.96	265.16	600.68		
SMDH 00606	68.3	61.39	0.15	18.50	52.16	106.03	12.69	43.80	7.93	1.07	5.33	0.79	4.12	0.72	1.50	0.22	1.65	0.20	18.93	1.91	6.84	329.60	697.94	0.01	
SMDH 00606	73.3	62.23	0.19	22.49	48.55	105.90	12.41	44.37	9.74	0.99	7.60	0.93	4.52	0.72	1.91	0.27	1.76	0.21	18.36	1.95	9.20	373.36	732.43		
SMDH 00606	85.9	82.16	0.16	20.43	70.33	149.41	17.70	59.05	10.42	1.05	7.26	0.95	4.46	0.78	1.99	0.29	2.07	0.23	27.43	2.16	7.43	341.75	780.45		1.70
SMDH 00606	72.2	68.78	0.21	17.05	59.73	125.04	14.65	50.04	9.77	1.06	5.11	0.65	3.44	0.55	1.64	0.20	1.65	0.19	24.37	1.54	7.08	318.52	733.47		
SMDH 00606	83.6	69.12	0.20	26.84	56.70	116.87	13.84	49.69	8.27	1.52	6.81	0.87	4.72	0.90	2.59	0.34	2.68	0.31	20.06	1.67	7.08	314.47	722.38		
SMDH 00606	84.5	69.24	0.15	28.05	56.01	116.26	14.19	48.76	8.15	1.40	7.15	1.02	5.26	1.03	2.51	0.35	2.79	0.32	19.95	1.72	7.31	325.68	868.69		
SMDH 00606	59.4	56.63	0.09	13.66	49.02	102.00	12.05	41.37	7.93	1.20	4.54	0.56	2.65	0.55	1.43	0.20	1.03	0.12	17.57	1.11	7.19	313.66	751.85		1.67
SMDH 00606	74.1	62.69	0.13	23.45	53.21	110.90	13.37	43.91	8.08	1.35	6.70	0.96	4.44	0.71	2.01	0.27	1.96	0.22	18.25	1.70	7.78	343.78	725.85		
SMDH 00606	81.8	72.26	0.13	24.30	61.48	131.50	15.89	50.73	10.20	1.17	7.26	0.93	4.72	0.84	2.11	0.31	1.76	0.20	22.33	1.95	7.31	326.35	720.47		
SMDH 00606	86.8	79.01	0.20	22.97	65.32	137.47	16.40	56.85	8.65	1.24	7.26	0.94	4.82	0.81	2.15	0.31	1.76	0.19	24.71	1.93	9.20	388.90	718.91		
SMDH 00607	94.9	76.81	0.16	31.55	59.03	147.95	14.75	55.12	10.22	1.25	7.60	0.96	5.98	1.15	3.27	0.47	3.30	0.44	23.46	2.23	10.38	457.52	889.67		
SMDH 00607	123.5	103.11	0.13	40.74	95.01	176.95	22.08	73.15	13.29	1.73	11.12	1.32	6.56	1.37	3.61	0.52	3.61	0.49	32.98	2.60	15.80	681.21	839.40		
SMDH 00607	108.0	96.35	0.12	29.50	76.50	162.45	19.28	69.91	11.92	1.41	8.85	1.08	6.08	0.95	2.83	0.41	2.99	0.34	30.60	2.15	14.03	595.97	720.30	0.37	1.43
SMDH 00607	119.2	104.31	0.10	35.06	86.16	174.40	21.54	75.80	12.68	1.40	9.65	1.12	5.84	1.18	2.87	0.38	2.58	0.29	31.73	2.75	11.79	518.30	616.28		
SMDH 00607	127.5	120.79	0.13	30.47	96.76	202.91	24.85	88.52	15.79	1.07	10.10	1.27	6.15	1.11	2.58	0.34	2.79	0.31	38.99	2.88	16.16	692.96	609.52		
SMDH 00607	88.7	60.86	0.17	38.32	49.72	101.76	11.94	42.29	6.46	1.44	5.56	0.84	5.79	1.29	3.63	0.62	3.92	0.43	16.55	1.87	7.90	354.59	547.29		
SMDH 00607	98.3	71.84	0.09	39.29	62.53	128.57	14.16	50.84	7.97	1.30	6.81	0.95	5.89	1.41	4.35	0.59	4.03	0.48	21.31	1.93	8.25	362.82	624.78		1.57
SMDH 00607	90.3	69.53	0.13	33.97	59.03	121.38	14.50	48.76	8.95	1.30	5.67	0.86	5.40	1.03	3.53	0.55	3.61	0.43	19.72	1.67	8.61	370.52	700.02	0.57	
SMDH 00607	114.6	91.57	0.10	41.47	78.01	165.01	19.90	64.25	10.74	1.51	7.72	1.07	6.35	1.50	4.31	0.59	3.92	0.46	26.63	2.18	9.43	397.81	707.12		
SMDH 00607	91.1	76.77	0.16	28.05	64.16	135.88	15.00	56.28	9.30	1.28	6.58	0.86	4.64	0.95	2.86	0.41	2.99	0.35	21.65	1.67	7.43	315.01	647.32		
SMDH 00607	109.4	81.72	0.19	42.92	69.16	148.07	16.52	57.20	9.45	1.32	7.15	1.02	6.98	1.42	4.57	0.70	4.85	0.57	23.80	1.90	9.79	405.92	742.84		1.61
SMDH 00607	72.4	57.38	0.13	24.78	48.90	102.00	11.38	41.25	5.93	1.59	4.77	0.73	4.01	0.87	2.76	0.50	2.38	0.28	16.21	1.11	9.20	401.46	739.71		
SMDH 00607	66.3	55.57	0.11	20.79	49.02	102.25	11.67	39.52	6.05	1.59	4.99	0.54	3.84	0.73	1.98	0.32	2.17	0.25	16.55	1.21	7.31	323.52	839.22	0.50	
SMDH 00607	109.8	78.48	0.18	45.82	66.48	137.71	16.06	54.54	9.29	1.60	7.83	1.08	6.80	1.59	5.37	0.83	4.85	0.57	22.33	1.81	10.50	421.72	725.67		
SMDH 00607	76.5	52.91	0.27	32.16	38.66	79.34	9.96	36.86	7.01	1.42	5.79	0.91	5.18	1.13	3.58	0.52	3.61	0.42	10.88	1.00	5.42	225.31	1205.70		1.51
SMDH 00607	56.4	30.53	0.31	29.26	17.23	32.54	4.65	20.34	3.79	1.28	4.54	0.75	4.79	1.02	3.07	0.49	3.20	0.37	3.51	0.59	3.30	159.39	1319.77		
SMDH 00608	100.2	74.91	0.16	39.05	68.93	127.96	15.32	52.69	10.00	1.59	8.17	1.11	5.78	1.18	3.38	0.53	4.13	0.53	22.78	1.83	11.09	460.89	918.27		
SMDH 00608	95.3	74.89	0.12	33.97	64.04	122.36	15.08	52.92	9.80	1.49	7.60	1.00	5.88	1.11	3.26	0.48	3.61	0.46	23.46	2.05	15.45	647.98	788.60		1.40
SMDH 00608	96.4	79.22	0.12	31.92	65.09	140.27	16.11	56.51	9.31	1.37	7.49	1.00	5.60	0.98	3.06	0.41	2.68	0.31	25.61	2.19	11.67	488.99	852.57		
SMDH 00608	147.0	131.19	0.11	40.74	109.33	241.18	26.35	95.91	15.18	1.42	11.92	1.53	7.40	1.50	4.16	0.55	4.03	0.48	43.75	3.29	24.88	1029.71	838.01		
SMDH 00608	141.8	120.39	0.09	44.49	103.05	223.63	24.65	86.55	15.59	1.57	11.24	1.51	7.68	1.48	3.93	0.56	4.75	0.56	40.80	2.96	20.87	879.64	951.04		1.38
SMDH 00608	193.3	178.47	0.08	50.53	150.90	324.66	37.24	130.23	22.11	1.55	15.09	1.92	9.09	1.76	4.89	0.69	4.34	0.51	61.09	4.26	29.72	1283.40	857.60		
SMDH 00608	158.3	146.35	0.14	40.62	124.00	260.19	30.06	107.24	16.86	1.34	13.05	1.64	7.41	1.36	3.54	0.48	3.20	0.37	53.04	2.95	20.05	861.81	838.70		
SMDH 00608	99.8	98.78	0.13	19.58	80.22	173.18	19.90	74.19	11.59	1.32	7.94	0.84	3.85	0.65	1.96	0.20	1.24	0.14	36.04	1.24	9.20	405.65	802.30		
SMDH 00608	118.7	105.95	0.13	33.00	84.53	184.14	21.61	77.08	13.61	1.40	10.33	1.18	6.08	1.12	3.44	0.42	2.99	0.35	38.99	1.69	8.61	366.47	753.06	0.40	1.54
SMDH 00608	130.0	124.83	0.11	28.53	97.92	215.47	24.76	93.25	14.27	1.37	10.44	1.25	5.57	1.01	2.57	0.35	2.38	0.28	46.35	1.75	9.08	410.91	761.04		
SMDH 00608	145.1	122.24	0.13	46.18	98.85	216.44	24.61	87.48	15.74	1.25	12.37	1.55	8.60	1.53	4.65	0.70	4.75	0.55	44.43	2.19	11.91	500.34	832.81		
SMDH 00608	120.5	118.63	0.14	25.63	101.30	222.78	25.19	87.13	14.20	1.47	10.10	1.11	5.19	0.90	2.06	0.33	1.65	0.19	46.81	1.70	8.02	328.65	648.36		
SMDH 00608	120.5	118.63	0.14	25.63	101.30	222.78	25.19	87.13	14.20	1.47	10.10	1.11	5.19	0.90	2.06	0.33	1.65	0.19	46.81	1.70	8.02	328.65	648.36		
SMDH 00615	90.8	74.23	0.13	32.04	68.46	134.54	16.73	51.19	9.12	1.27	6.92	1.03	5.27	1.02	3.03	0.48	3.72	0.48	24.82	2.07	16.16	691.61	811.83	1.54	
SMDH 00615	106.2	86.43	0.13	36.63	75.45	145.76	18.22	60.90	11.54	1.40	7.94	1.04	6.27	1.25	3.51	0.56	4.03	0.52	27.09	2.02	13.56	582.46	895.04		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00615																									
SMDH 00615	64.8	52.99	0.16	21.28	42.85	94.33	10.65	38.13	6.19	1.14	4.77	0.64	3.56	0.71	2.15	0.34	2.07	0.24	15.87	1.24	8.49	337.97	553.53	0.17	
SMDH 00615	134.3	116.64	0.08	40.02	95.71	211.44	23.70	84.59	13.96	1.33	10.67	1.25	7.10	1.38	3.84	0.59	4.03	0.46	39.44	2.81	24.53	1067.00	844.94		
SMDH 00615	152.9	149.69	0.13	32.40	121.56	268.48	30.41	111.28	17.43	1.17	12.26	1.34	6.66	1.16	2.92	0.47	2.89	0.32	53.95	3.33	18.99	751.18	610.04		
SMDH 00615	92.1	89.15	0.10	20.43	74.75	167.21	18.41	65.87	9.90	0.97	7.26	0.86	4.02	0.71	1.94	0.35	1.96	0.22	32.07	1.55	8.61	363.23	441.02		1.48
SMDH 00615	107.0	109.35	0.21	19.58	98.39	203.40	23.49	80.54	13.79	1.59	9.42	0.93	4.38	0.81	1.55	0.18	1.24	0.14	37.17	2.70	12.38	580.44	806.46		
SMDH 00615	93.1	69.30	0.11	36.51	53.68	111.15	13.78	48.53	8.15	1.04	6.81	1.01	5.97	1.29	3.03	0.51	2.99	0.33	19.15	3.20	8.25	372.55	608.14	0.01	
SMDH 00615	83.6	66.52	0.13	29.74	59.50	121.02	14.20	45.76	9.46	1.52	6.36	0.95	5.60	1.15	2.67	0.34	2.27	0.25	20.63	4.02	6.13	313.93	626.17		
SMDH 00615	117.7	90.06	0.09	43.88	79.18	156.36	17.97	63.44	10.13	1.71	9.76	1.25	7.39	1.46	3.84	0.49	3.30	0.41	27.77	5.24	6.72	284.75	734.69		1.38
SMDH 00615	96.9	83.60	0.09	28.53	74.64	145.02	16.35	60.32	9.84	1.16	8.51	1.11	5.81	0.93	2.77	0.28	1.96	0.24	26.75	4.34	6.96	299.61	657.37		
SMDH 00615	78.2	72.49	0.11	19.46	69.98	135.64	15.20	52.23	9.23	1.45	6.92	0.85	4.21	0.73	1.50	0.22	1.34	0.16	25.05	3.58	7.90	346.21	783.23		
SMDH 00615	96.5	96.49	0.11	20.67	94.66	190.12	22.13	68.52	13.25	1.47	9.87	1.09	4.75	0.80	1.51	0.16	0.93	0.11	35.13	3.54	8.84	384.57	686.67	0.01	
SMDH 00615	44.0	29.45	0.19	19.22	19.44	44.12	5.31	19.76	4.67	0.68	4.43	0.70	3.67	0.65	1.59	0.21	1.34	0.17	5.10	1.56	2.48	99.28	623.57		1.28
SMDH 00615	45.1	29.58	0.18	19.46	18.75	41.44	4.82	19.99	4.15	0.89	4.43	0.69	4.08	0.65	1.61	0.19	1.34	0.16	4.42	1.30	2.71	104.01	671.24		
SMDH 00615	31.5	18.07	0.23	15.60	10.13	23.40	3.02	12.02	2.67	0.82	3.18	0.44	2.60	0.47	1.52	0.21	1.34	0.16	2.38	1.03	1.89	79.29	726.89		
SMDH 00615	31.6	18.09	0.23	16.32	8.97	24.25	3.36	11.56	3.05	0.56	2.84	0.57	2.60	0.62	1.56	0.24	1.55	0.21	1.93	0.81	1.42	58.76	520.07		
SMDH 00615	36.7	21.97	0.23	17.65	10.36	26.81	3.71	14.21	3.63	0.78	2.95	0.61	3.44	0.62	1.59	0.20	1.55	0.20	2.15	0.76	1.53	55.92	512.62	0.01	1.34
SMDH 00615	43.6	35.14	0.13	14.27	26.43	58.01	6.95	25.08	4.79	1.11	3.97	0.57	2.54	0.51	1.37	0.16	0.93	0.12	8.05	1.20	2.83	115.63	405.83		
SMDH 00615	177.6	160.03	0.14	48.72	125.17	275.55	32.89	114.05	22.06	1.70	16.57	2.42	10.66	1.59	3.80	0.33	2.27	0.30	48.62	5.04	2.12	86.18	1061.29		
SMDH 00615	48.4	38.92	0.15	15.84	26.20	58.74	7.38	27.85	5.23	1.07	4.43	0.62	3.06	0.53	1.36	0.17	1.14	0.15	7.71	1.90	3.77	167.09	698.63		
SMDH 00615	83.3	77.46	0.09	19.95	64.39	134.67	15.49	56.51	10.16	1.35	7.60	0.91	4.55	0.72	1.76	0.19	1.34	0.18	22.21	2.62	8.25	344.72	902.50		1.40
SMDH 00614	98.0	80.35	0.15	32.04	59.38	187.44	15.97	56.28	10.75	1.55	8.06	1.20	6.89	1.16	3.62	0.51	4.23	0.54	25.84	2.61	11.79	510.47	813.57		
SMDH 00614	123.7	97.83	0.13	44.97	94.20	157.94	20.81	68.76	12.42	1.71	9.53	1.22	7.06	1.40	3.80	0.57	4.13	0.53	28.22	2.50	12.03	511.82	740.76		1.43
SMDH 00614	104.8	80.23	0.13	39.17	65.44	142.34	16.00	57.08	11.18	1.43	7.49	1.06	6.09	1.31	3.87	0.54	3.51	0.47	25.95	1.92	7.08	307.17	677.83	0.04	
SMDH 00614	81.6	70.59	0.09	23.82	56.47	118.34	13.97	51.77	8.77	1.18	5.56	0.78	4.06	0.80	2.38	0.33	2.27	0.31	20.51	1.54	5.90	254.49	516.78		
SMDH 00614	91.6	78.43	0.09	27.68	64.27	134.06	15.64	57.32	10.19	1.08	6.13	0.85	4.63	1.02	3.39	0.47	3.41	0.45	25.27	1.22	5.66	233.28	493.89		
SMDH 00614	123.9	119.76	0.13	26.84	94.08	208.88	24.20	89.90	12.83	1.53	8.28	1.11	4.54	0.85	2.99	0.45	2.79	0.41	41.03	1.60	9.67	492.50	807.84		1.42
SMDH 00614	100.5	92.18	0.13	25.51	68.11	154.29	18.54	67.83	11.47	1.38	7.83	1.01	4.79	0.87	2.44	0.31	1.96	0.29	30.83	1.61	4.25	209.24	713.19		
SMDH 00614	139.8	118.31	0.12	43.64	92.92	197.67	23.93	85.97	12.96	1.75	9.53	1.39	7.02	1.33	3.87	0.56	4.44	0.65	38.87	2.04	6.96	338.51	707.12	0.01	
SMDH 00614	125.4	111.17	0.10	35.91	91.17	186.58	23.06	81.35	12.42	1.38	9.53	1.20	5.56	1.11	3.49	0.48	3.61	0.53	36.72	2.12	6.84	328.78	717.01		
SMDH 00614	167.5	144.95	0.13	50.29	113.29	246.18	29.62	105.73	17.11	1.93	11.92	1.76	7.83	1.54	5.04	0.84	4.96	0.73	48.62	3.97	8.37	393.22	755.66		1.52
SMDH 00614	108.9	77.82	0.12	45.09	61.48	133.08	15.46	54.54	9.57	1.46	6.47	1.19	6.62	1.46	5.01	0.69	4.96	0.73	25.95	2.23	6.60	301.77	636.57		
SMDH 00614	91.8	69.10	0.13	35.42	54.84	117.73	13.97	49.00	8.49	1.24	5.90	1.09	5.04	1.07	3.50	0.56	3.61	0.53	22.67	1.20	5.78	270.97	462.52		
SMDH 00614	125.3	111.93	0.10	33.97	85.70	188.90	22.24	82.97	12.05	1.60	8.28	1.22	5.50	1.06	3.79	0.54	3.72	0.54	40.23	1.63	7.43	366.74	589.76	0.01	
SMDH 00614	95.9	97.75	0.23	18.38	72.31	168.42	21.02	72.68	12.44	0.78	7.15	0.80	3.24	0.55	1.82	0.25	1.86	0.27	38.99	1.16	2.12	101.17	422.99		1.64
SMDH 00613	93.2	78.95	0.12	28.53	66.72	139.18	15.53	57.08	9.83	1.28	7.38	0.92	5.42	0.99	2.57	0.42	2.79	0.36	27.99	2.21	14.15	576.79	824.83		
SMDH 00613	111.5	95.98	0.11	35.06	86.74	170.50	20.87	67.25	12.93	1.32	9.99	1.30	6.57	1.18	3.52	0.49	3.61	0.46	34.34	2.58	16.39	693.37	825.87	1.58	
SMDH 00613	113.0	102.61	0.10	30.47	84.07	170.50	21.53	73.61	15.12	1.46	8.74	1.24	6.24	1.02	2.96	0.35	2.89	0.33	34.45	2.04	10.50	448.20	652.69		
SMDH 00613	79.3	74.30	0.08	20.07	63.22	137.47	16.15	53.04	10.60	1.05	7.15	0.91	4.19	0.73	1.97	0.28	2.07	0.24	26.86	1.60	9.55	405.51	563.93		
SMDH 00613	98.7	66.47	0.13	44.49	54.38	109.93	13.47	44.60	8.99	1.20	7.04	0.99	7.41	1.60	4.65	0.65	4.44	0.51	21.19	2.16	9.43	391.33	602.42		
SMDH 00613	106.0	80.46	0.13	40.86	69.74	132.59	16.97	55.70	10.83	1.62	6.81	1.14	6.65	1.38	4.05	0.66	4.44	0.50	22.55	1.67	9.79	424.29	696.38	0.01	1.42
SMDH 00613	100.6	83.07	0.13	34.33	69.86	143.20	18.23	58.01	11.22	1.37	6.92	1.02	5.81	1.28	3.63	0.53	3.20	0.37	25.95	1.78	8.37	359.58	668.47		
SMDH 00613	101.7	72.10	0.15	43.64	59.27	119.31	15.42	48.88	10.28	1.38	6.81	1.06	6.75	1.51	4.60	0.64	4.44	0.51	21.31	1.68	7.90	359.18	697.42		
SMDH 00613	106.9	78.90	0.15	43.04	63.69	132.35	16.35	54.31	10.54	1.35	7.26	1.02	7.22	1.46	4.56	0.73	4.65	0.54	23.46	1.69	9.67	407.67	707.12		
SMDH 00613	101.8	80.91	0.15	36.39	67.65	140.27	16.93	57.20	11.19	1.45	7.04	0.85	5.94	1.28	3.89	0.54	3.82	0.44	25.16	1.51	9.55	400.51	725.33		1.54
SMDH 00613	115.4	85.02	0.16	45.70	71.26	151.85	16.62	60.32	9.49	1.33	7.72	1.12	6.95	1.73	4.93	0.67	5.58	0.77	25.16	1.80	10.26	409.70	749.77		
SMDH 00613	107.2	81.78	0.15	40.26	69.51	146.61	16.29	57.55	9.47	1.50	7.49	1.09	6.86	1.45	3.99	0.64	4.44	0.61	23.57	1.83	8.84	363.37	672.97		
SMDH 00613	110.2	80.60	0.16	44.25	66.37	140.88	15.96	56.62	8.28	1.30	6.36	1.12	6.89	1.60	4.94	0.72	4.75	0.65	22.67	1.78	8.96	413.61	704.52		
SMDH 00612	86.2	76.62	0.14	22.73	59.15	134.30	14.22	57.43	9.62	1.07	8.28	0.85	4.13	0.85	2.59	0.34	2.38	0.34	26.52	2.02	12.26	528.03	869.91		
SMDH 00612	101.0	85.73	0.16	29.98	66.83	162.70	16.05	63.90	9.86	1.31	8.97	0.93	4.85	1.08	2.78	0.35	2.99	0.42	26.86	1.76	9.43	425.91	888.98		1.26
SMDH 00612	93.3	77.69	0.16	29.98	67.53	147.58	15.96	55.81	9.14	1.56	7.15	0.98	4.94	1.10	2.90	0.41	3.10	0.42	24.71	1.57	12.85	540.05	811.83		1.48
SMDH 00612	77.9	65.45	0.13	24.18	57.17	117.24	13.20	47.15	8.01	1.47	6.01	0.94	4.16	0.85	2.47	0.36	2.79	0.39	20.85	1.20	8.37	390.65	623.05		
SMDH 00612	71.6	64.58	0.12	19.10	55.66	117.24	13.36	47.03	7.91	1.24	5.45	0.76	3.43	0.71	1.93	0.24	2.17	0.30	20.17	1.26	7.67	322.44	573.29	0.01	
SMDH 00612	92.4	88.66	0.13	20.67	77.78	164.16	18.15	65.52	10.43	1.25	7.38	0.84	4.15	0.72	2.23	0.29	2.17	0.31	30.15	1.49	7.31	325.54	622.01		
SMDH 00612	93.7	84.70	0.12	24.06	68.35	151.12	16.34	63.79	8.57	1.25	5.90	0.77	3.81	0.91	2.54	0.35	2.58	0.36	28.11	1.27	5.90	253.55	625.82		2.41
SMDH 00612	113.1	107.18	0.13	26.84	87.56	189.99	22.34	78.81	12.15	1.37	8.97	1.01	5.03	0.95	2.91	0.42	2.38	0.32	36.72	1.78	6.84	310.41	765.20		
SMDH 00612	84.1	78.33	0.10	20.19	67.30	144.54	15.83	58.12	9.84	1.42	6.24	0.76	3.62	0.75	1.97	0.27	1.96	0.27	26.86	1.34	5.42	229.37	585.77		
SMDH 00612	84.3	88.90	0.11	13.42	78.24	163.18	19.42	66.10	10.09	1.38	5.90	0.65	2.73	0.47	1.03	0.17	1.03	0.14	32.53	1.48	6.96	309.20	636.39	0.01	
SMDH 00612	73.5	57.32	0.10	27.08	50.42	107.49	12.12	39.98	7.12	1.23	5.67	0.83	4.39	0.87	2.76	0.37	2.68	0.36	19.72	1.22	4.72	210.05	455.58		1.64
SMDH 00612	76.9	70.43	0.14	19.46	60.78	131.50	14.32	51.65	8.52	1.30	5.33	0.77	3.68	0.75	1.79	0.30	1.96	0.27	25.73	1.51	7.55	311.76	678.69		
SMDH 00620	116.4	98.97	0.08	34.45	77.08	159.28	18.88	73.03	12.79	1.85	10.55	1.07	5.99	1.26	3.36	0.39	2.89	0.42	25.84	2.10	9.55	417.40	698.80		
SMDH 00620	101.8	88.06	0.07	29.14	69.05	148.80	16.84	64.94	11.82	1.45	8.85	0.99	5.29	1.16	3.16	0.36	2.68	0.38	24.82	2.34	10.85	464.41	732.26		
SMDH 00620	88.4	77.10	0.09	25.51	62.64	122.72	15.30	56.04	8.93	1.13	6.36	0.87	4.88	0.78	2.55	0.34	2.38	0.32	22.21	1.70	4.95	202.76	645.76		
SMDH 00620	86.2	80.67	0.09	22.00	68.11	144.66	17.00	59.16	11.01	0.57	7.26	0.81	3.70	0.76	2.39	0.41	2.99	0.40	26.63	1.68	5.31	212.08	538.97		
SMDH 00620	73.1	69.68	0.09	16.80	58.68	123.82	14.37	51.42	8.06	1.02	5.79	0.71	3.17	0.57	2.03	0.29	2.17	0.30	22.89	1.59	9.55	385.25	722.03	0.01	1.62
SMDH 00620	52.9	53.08	0.07	10.03	48.55	96.16	11.19	39.52	6.01	0.95	4.09	0.48	1.89	0.37	0.91	0.19	0.72	0.10	17.45	1.23	9.91	471.83	775.25		
SMDH 00620	78.1	84.59	0.08	11.24	77.31	161.60	18.81	62.17	10.28	1.12	6.70	0.73	2.89	0.39	0.91	0.12	0.72	0.09	29.47	1.53	8.84	411.45	707.30		
SMDH 00620	76.1	66.72	0.07	22.73	60.43	124.79	14.22	48.19	8.52	0.84	5.56	0.71	3.61	0.72	2.94	0.53	2.68	0.34	21.31	1.20	9.32	437.12	590.28		1.55
SMDH 00620	73.8	66.59	0.10	20.67	63.81	127.35	14.53	48.19	7.32	1.09	5.22	0.63	3.24	0.67	2.52	0.47	2.79	0.35	21.53	1.21	9.79	456.71	638.47		1.49
SMDH 00620	90.5	81.63	0.08	24.06	67.18	144.17	16.70	59.28	10.49	1.54	7.38	1.01	4.64	0.80	2.09	0.32	1.76	0.21	23.80	2.40	7.78	358.50	646.45	0.01	
SMDH 00620	54.4	43.88	0.14	17.89	35.51	69.47	8.69	31.08	5.66	1.33	4.77	0.69	3.42	0.62	1.55	0.27	1.24	0.15	11.90	1.96	5.42	240.44	627.03		
SMDH 00620	92.4	96.13	0.10	15.84	86.28	178.17	20.77	70.72	12.41	1.24	8.51	0.95	3.68	0.56	1.22	0.19	0.83	0.11	31.05	2.43	12.50	599.21	977.39		
SMDH 00620	65.3	67.44	0.05	11.48	62.18	126.87	15.16	48.88	8.58	1.50	5.56	0.60	2.81	0.38	0.94	0.13	0.72	0.09	22.21	1.79	10.02	480.21	847.20		1.44
SMDH 00621	117.9	117.14	0.05	22.85	90.59	207.67	22.74	88.40	14.34	0.66	12.48	1.06	4.94	0.83	2.25	0.29	1.76	0.26	41.71	2.94	15.68	699.44	606.75	1.74	
SMDH 00621	202.7	181.44	0.09	54.52	147.06	284.93	35.19	135.08	24.12	1.97	20.65	1.84	9.33	1.88	4.88	0.53	4.13	0.58	51.00	3.18	17.69	767.79	713.54		1.44
SMDH 00621	175.4	181.44	0.07	31.07	148.92	338.19	38.26	133.93	23.01	1.20	15.21	1.66	7.59	1.16	2.70	0.42	2.17	0.25	67.66	3.51	16.98	785.36	705.22		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00621	106.8	99.98	0.11	26.96	82.32	175.98	21.38	72.45	12.50	1.21	8.40	1.08	5.06	1.00	2.47	0.32	2.17	0.25	34.23	2.02	9.43	438.74	619.75	0.03	
SMDH 00621	33.8	29.63	0.09	9.43	23.52	47.77	6.08	21.15	3.38	0.84	2.95	0.32	2.08	0.34	0.85	0.16	0.72	0.08	8.84	0.99	5.66	274.35	504.47		
SMDH 00621	11.5	6.07	0.08	6.17	3.61	7.68	1.04	3.93	0.79	0.32	1.02	0.16	0.94	0.18	0.59	0.11	0.52	0.06	1.13	1.00	1.06	54.17	183.76		1.50
SMDH 00621	22.5	12.69	0.23	11.48	7.92	17.06	2.25	7.86	1.87	0.56	1.82	0.36	2.22	0.42	1.29	0.22	1.14	0.14	2.83	0.84	2.00	85.10	427.85		
SMDH 00621	22.0	8.42	0.34	14.02	3.14	6.82	0.95	4.74	1.08	0.47	1.82	0.29	2.44	0.48	1.48	0.23	1.45	0.17	0.57	0.57	0.83	38.36	501.18		
SMDH 00621	28.9	15.42	0.29	15.47	9.08	19.38	2.58	9.82	2.68	0.55	2.61	0.45	2.57	0.55	1.63	0.29	1.55	0.19	3.40	0.29	0.94	42.14	556.30	0.02	
SMDH 00621	54.3	46.28	0.24	16.56	36.21	78.97	9.43	33.05	6.09	0.86	4.77	0.67	3.13	0.56	1.55	0.28	1.45	0.17	16.66	0.83	3.89	159.26	572.43		1.64
SMDH 00621	124.7	111.37	0.12	35.18	89.07	196.09	23.17	80.20	14.89	1.34	10.55	1.43	6.57	1.28	3.10	0.47	2.68	0.32	40.69	2.21	7.43	331.62	643.50		
SMDH 00621	121.6	114.60	0.09	30.34	93.61	214.49	25.01	82.85	16.35	1.65	11.12	1.24	5.49	1.07	3.13	0.51	2.27	0.28	44.43	2.11	9.08	391.33	668.64		
SMDH 00621	96.7	91.18	0.06	23.57	72.77	165.50	19.56	66.10	11.91	1.53	8.28	1.09	4.43	0.85	2.22	0.36	1.76	0.22	33.77	1.67	9.20	422.67	596.70		
SMDH 00621	110.5	98.52	0.11	31.19	80.22	184.51	20.78	70.84	13.42	1.60	10.21	1.03	5.87	1.01	2.87	0.51	2.79	0.34	37.85	1.90	11.20	490.34	724.98		1.60
SMDH 00622	107.7	96.51	0.09	28.17	72.77	163.06	17.93	72.34	11.87	0.97	10.21	1.01	5.24	0.99	2.78	0.33	2.38	0.35	28.22	2.79	13.44	571.39	645.41		
SMDH 00622	72.0	62.60	0.09	20.67	51.70	99.81	12.24	45.88	8.20	1.01	7.04	0.75	3.74	0.77	1.83	0.27	1.65	0.25	17.23	1.88	8.49	371.61	536.02		
SMDH 00622	22.9	16.40	0.14	9.07	11.64	28.03	3.24	10.98	2.67	0.71	2.16	0.34	1.84	0.35	0.98	0.16	0.93	0.11	4.65	0.94	2.00	80.51	434.61		
SMDH 00622	22.8	17.00	0.02	7.86	15.37	33.03	3.49	11.79	2.44	1.43	1.93	0.26	1.45	0.28	0.70	0.10	0.52	0.06	4.76	0.47	1.18	58.49	210.80		
SMDH 00622	20.9	13.92	0.05	8.83	10.36	23.16	2.76	9.36	1.75	0.92	1.59	0.23	1.58	0.30	0.77	0.12	0.72	0.09	1.93	0.65	5.31	225.99	342.73		
SMDH 00622	28.0	23.38	0.09	8.10	20.14	43.26	5.01	16.64	2.40	1.54	2.38	0.34	1.39	0.26	0.70	0.11	0.62	0.08	6.12	0.84	8.37	371.47	567.57		1.63
SMDH 00622	18.1	13.61	0.09	6.04	13.27	27.66	2.89	9.59	2.00	1.37	1.48	0.18	0.94	0.19	0.57	0.12	0.62	0.07	3.97	0.59	6.01	301.36	334.23	0.01	
SMDH 00622	22.2	19.05	0.04	5.44	18.05	40.46	4.22	13.64	2.20	1.91	1.59	0.21	0.99	0.18	0.49	0.08	0.41	0.05	6.23	0.44	2.71	132.92	274.25		
SMDH 00622	29.5	23.50	0.13	9.79	20.38	46.43	5.14	16.29	3.61	1.31	1.93	0.33	1.73	0.35	1.09	0.23	1.24	0.18	6.23	1.82	20.99	1052.54	1115.55		
SMDH 00622	22.3	18.80	0.03	5.92	17.12	36.93	3.92	13.64	2.64	1.50	1.59	0.22	1.03	0.19	0.64	0.13	0.62	0.09	5.55	0.84	16.04	802.92	948.09		1.53
SMDH 00622	20.7	18.21	0.03	4.23	20.26	36.80	4.12	13.06	1.86	2.39	1.36	0.20	0.83	0.15	0.58	0.08	0.52	0.07	4.19	0.47	7.90	425.10	625.82		
SMDH 00623	119.4	90.40	0.16	44.61	71.96	152.22	17.49	64.60	12.29	1.85	11.01	1.30	7.01	1.63	4.59	0.57	4.44	0.62	25.16	2.21	10.14	431.85	1154.56		
SMDH 00623	129.5	113.72	0.10	36.99	92.92	203.16	22.65	82.39	12.74	1.49	9.87	1.32	7.36	1.31	3.86	0.49	3.41	0.46	35.93	2.92	18.63	852.22	771.79	1.76	1.52
SMDH 00623	147.5	132.61	0.16	41.83	116.78	245.45	28.68	94.87	16.02	1.75	12.48	1.71	7.35	1.27	4.20	0.64	3.41	0.50	45.90	3.41	21.34	1094.42	892.27	0.02	
SMDH 00623	138.6	127.70	0.10	36.15	112.01	240.20	26.67	93.02	15.84	1.43	11.69	1.53	6.48	1.11	3.79	0.55	2.68	0.40	46.13	3.02	19.58	939.62	709.72		
SMDH 00623	145.2	143.22	0.09	31.07	124.59	249.83	30.86	104.92	17.26	1.79	12.26	1.45	5.98	1.01	3.07	0.48	2.17	0.32	43.75	2.48	11.79	588.81	657.37		1.40
SMDH 00623	62.5	56.12	0.06	17.41	52.86	102.86	12.28	40.44	7.14	1.23	4.99	0.67	2.73	0.53	1.97	0.35	1.55	0.23	17.23	1.38	6.84	368.90	594.09		
SMDH 00623	69.2	62.40	0.10	19.46	58.33	119.43	13.36	45.07	8.23	0.71	5.33	0.69	3.28	0.75	2.23	0.41	2.48	0.29	20.06	1.77	9.20	398.35	682.68		
SMDH 00623	48.1	44.83	0.09	11.61	42.50	84.94	9.54	32.70	6.21	1.18	3.52	0.34	2.24	0.39	1.42	0.24	1.45	0.18	14.28	1.29	9.43	393.62	754.10	0.01	
SMDH 00623	46.7	46.14	0.09	8.58	45.06	88.60	9.77	34.32	5.76	1.75	3.63	0.36	1.70	0.35	0.70	0.12	0.93	0.10	16.66	0.51	3.07	134.27	272.86		1.69
SMDH 00624	120.2	93.02	0.15	42.55	73.59	160.01	16.99	66.33	11.80	1.59	7.83	1.30	8.41	1.45	4.07	0.65	4.34	0.60	27.20	2.25	13.33	573.28	984.84		
SMDH 00624	133.1	107.27	0.14	45.09	88.72	192.92	21.17	75.80	12.75	1.87	9.19	1.38	8.92	1.47	4.38	0.64	4.54	0.63	32.07	2.80	17.57	779.55	968.55		
SMDH 00624	119.5	105.44	0.09	34.58	94.20	200.23	21.73	75.80	14.26	1.17	10.55	1.06	6.85	1.17	3.64	0.54	3.30	0.39	35.70	2.77	18.16	756.45	669.16		
SMDH 00624	59.3	46.46	0.09	20.91	40.29	87.14	8.85	33.28	5.86	0.76	4.54	0.64	3.68	0.69	2.14	0.34	2.38	0.28	15.41	1.15	7.08	333.38	434.61		
SMDH 00624	45.6	39.90	0.13	12.94	33.18	80.07	7.96	28.66	5.02	0.75	4.20	0.46	2.82	0.58	1.32	0.18	1.76	0.20	13.26	0.89	4.13	168.99	428.37		
SMDH 00624	131.2	123.28	0.13	32.04	108.17	233.14	25.43	89.79	16.31	1.27	12.37	1.43	6.62	1.17	3.13	0.46	2.58	0.31	41.82	2.55	11.56	480.61	784.44	0.02	1.55
SMDH 00624	85.7	75.96	0.09	23.82	66.60	132.59	15.61	54.89	9.68	1.53	6.81	0.92	4.54	0.80	2.18	0.38	2.07	0.27	24.37	1.76	11.56	451.17	810.27		
SMDH 00624	76.1	72.87	0.09	17.41	66.83	133.69	15.61	52.58	9.90	1.49	6.36	0.78	3.90	0.61	1.62	0.25	1.55	0.20	24.82	1.65	9.20	381.20	637.95		
SMDH 00634	114.7	90.78	0.13	40.26	78.01	169.15	17.85	64.25	11.57	1.54	8.51	1.23	7.45	1.37	4.05	0.59	4.65	0.64	27.65	2.47	18.40	802.65	913.42		
SMDH 00634	111.2	92.45	0.11	35.91	76.61	170.98	18.56	66.44	11.85	1.36	8.85	1.19	6.25	1.19	3.55	0.50	3.72	0.51	28.45	2.58	16.51	735.11	823.10		1.47
SMDH 00634	121.8	101.69	0.11	39.90	87.56	168.42	21.44	71.76	12.77	1.69	9.31	1.32	7.17	1.36	3.68	0.60	3.92	0.50	32.64	2.67	16.98	708.49	800.56		
SMDH 00634	100.2	80.98	0.06	34.45	71.26	141.37	16.40	58.12	10.32	1.15	7.15	1.02	5.44	1.07	3.18	0.58	3.51	0.45	26.41	2.01	13.56	575.44	669.51		1.41
SMDH 00634	73.4	67.20	0.12	19.10	60.66	120.29	14.05	48.65	9.45	1.13	5.67	0.75	3.76	0.70	1.76	0.33	1.55	0.20	23.01	1.56	13.68	564.90	527.87	0.02	
SMDH 00634	33.8	35.57	0.08	5.32	34.46	65.44	8.08	26.12	5.33	0.97	2.72	0.31	1.07	0.19	0.45	0.05	0.41	0.05	11.33	0.82	10.50	438.60	706.95		
SMDH 00634	15.6	12.82	0.11	4.11	13.39	22.79	2.69	9.36	1.58	1.34	1.13	0.14	0.63	0.15	0.39	0.06	0.52	0.07	2.72	0.62	11.91	501.55	560.81		
SMDH 00634	38.7	39.52	0.09	6.65	36.44	70.20	8.81	29.00	4.59	1.36	2.61	0.34	1.36	0.25	0.71	0.07	0.52	0.07	10.88	0.83	9.43	405.10	617.67		1.64
SMDH 00634	24.6	24.14	0.10	4.71	23.05	46.19	5.51	17.45	2.29	1.22	1.93	0.21	0.98	0.13	0.35	0.06	0.52	0.07	6.35	0.65	9.67	401.73	756.88		
SMDH 00634	74.9	59.12	0.07	27.68	52.28	105.17	12.85	40.79	6.96	0.98	5.56	0.81	4.66	0.87	2.84	0.50	2.68	0.35	16.66	1.57	7.78	344.72	579.36	0.02	
SMDH 00634	56.2	49.25	0.09	16.44	43.90	88.60	10.99	34.90	6.14	1.46	3.52	0.50	2.86	0.59	1.65	0.27	1.65	0.21	13.26	1.10	8.96	369.17	622.70		
SMDH 00634	116.3	104.77	0.13	33.00	88.96	183.05	22.49	75.69	11.61	0.98	8.06	0.98	5.62	1.13	3.41	0.53	3.41	0.45	28.67	1.72	11.20	438.47	706.08		1.63
SMDH 00634	116.7	94.20	0.11	42.43	79.06	166.72	20.89	65.40	11.90	0.98	7.60	1.08	6.82	1.53	4.86	0.81	5.37	0.70	26.63	1.71	10.73	439.15	665.69		
SMDH 00634	98.0	77.68	0.15	35.54	64.85	133.08	16.22	54.20	9.69	0.99	7.26	0.92	6.35	1.25	3.44	0.56	3.61	0.47	21.87	1.69	10.02	398.35	692.91		
SMDH 00634	97.8	75.22	0.12	37.24	63.34	132.59	15.90	52.58	8.66	1.26	7.26	0.94	5.80	1.24	3.91	0.66	4.23	0.55	21.08	1.81	9.79	416.72	753.93	0.01	
SMDH 00634	105.1	90.50	0.15	33.13	78.94	161.84	19.81	63.79	12.34	1.27	8.28	1.07	5.84	1.16	3.50	0.53	3.10	0.40	26.41	2.25	9.79	388.36	684.41		1.56
SMDH 00634	82.4	72.43	0.15	24.42	61.48	125.65	15.65	51.77	8.98	1.20	5.33	0.77	4.24	0.85	2.41	0.46	2.68	0.35	20.29	1.65	12.03	500.88	744.92		
SMDH 00634	89.5	91.80	0.09	16.68	80.69	174.52	20.53	66.44	11.01	1.59	7.26	0.78	4.05	0.61	1.38	0.19	1.55	0.20	31.17	1.87	18.40	749.42	902.15		
SMDH 00625	117.7	91.96	0.16	42.19	76.03	168.06	18.24	65.29	11.28	1.81	8.40	1.22	7.21	1.40	4.32	0.58	4.34	0.60	26.63	2.27	12.85	547.75	1074.12	2.63	
SMDH 00625	114.1	92.82	0.13	38.32	76.96	171.96	18.76	66.56	11.24	1.75	8.62	1.16	6.35	1.35	4.02	0.56	4.03	0.56	27.65	2.55	17.81	822.77	938.56		
SMDH 00625	116.1	94.72	0.12	41.47	85.70	174.52	21.65	64.94	12.98	1.55	9.31	1.22	6.91	1.40	4.11	0.71	3.82	0.49	28.11	2.51	19.58	808.32	807.84		
SMDH 00625	165.6	156.32	0.12	42.43	136.58	285.17	34.68	111.63	18.81	1.56	13.62	1.72	8.29	1.52	3.79	0.59	3.41	0.45	49.30	3.66	16.51	670.27	708.16	0.03	1.55
SMDH 00625	107.4	100.08	0.12	27.68	87.09	179.64	21.49	72.68	12.91	1.15	8.28	1.07	4.84	1.00	2.57	0.40	2.58	0.34	30.60	2.01	4.36	185.33	474.48		
SMDH 00625	85.5	73.53	0.09	26.23	64.39	134.91	15.56	52.12	8.86	1.33	6.36	0.77	5.08	1.06	2.88	0.44	2.89	0.37	20.29	1.96	10.26	422.80	697.07		
SMDH 00625	75.3	60.76	0.15	26.11	51.12	106.15	12.99	42.29	7.57	1.44	6.13	0.85	4.63	0.95	2.59	0.45	2.99	0.39	15.98	1.57	9.32	359.58	746.13		
SMDH 00625	84.7	68.34	0.15	29.74	59.96	122.97	14.95	47.26	8.81	1.56	6.70	0.92	5.20	1.03	3.22	0.56	2.99	0.39	17.45	1.82	13.92	564.77	913.94		1.42
SMDH 00625	144.8	130.80	0.13	40.74	113.52	232.04	28.09	93.25	16.80	1.36	11.92	1.45	8.01	1.49	4.29	0.65	4.03	0.53	36.15	3.21	25.12	1036.47	949.48	0.04	
SMDH 00625	99.3	89.50	0.11	27.81	75.92	157.09	19.13	64.13	11.21	1.15	8.17	1.01	5.23	1.05	2.88	0.37	2.58	0.34	26.41	2.95	12.50	520.06	752.89		
SMDH 00625	105.1	87.22	0.11	35.30	74.98	158.43	19.03	60.55	11.19	1.63	8.74	1.12	6.51	1.11	3.20	0.55	3.51	0.46	27.77	3.60	10.61	424.56	660.84		
SMDH 00625	98.3	81.08	0.11	32.88	68.00	143.68	17.00	56.85	10.97	1.38	7.26	1.03	6.19	1.15	3.26	0.53	3.41	0.45	25.16	3.37	11.91	443.74	603.28		1.51
SMDH 00625	93.5	85.45	0.13	25.39	75.10	157.82	18.77	61.01	10.95	1.44	7.72	0.93	4.74	0.93	2.63	0.46	2.89	0.39	27.54	1.98	10.61	419.29	635.35		
SMDH 00625	111.1	99.85	0.16	31.31	85.93	180.49	21.68	71.88	12.99	1.63	8.74	1.00	5.29	1.08	3.20	0.57	3.51	0.47	32.07	2.54	10.85	418.34	692.39	0.01	
SMDH 00625	111.8	94.12	0.15	36.63	79.99	169.76	20.20	66.56	12.43	1.26	8.97	1.14	6.23	1.40	3.52	0.65	4.23	0.56	30.15	3.20	11.67	459.68	708.86		
SMDH 00625	130.0	126.37	0.12	29.50	111.66	230.94	27.66	92.56	14.91	1.76	9.42	1.03	5.12	0.94	3.03	0.46	3.10	0.41	39.55	2.11	13.21	499.93	838.70		1.54
SMDH 00625	120.0	112.72	0.13	31.07	100.83	211.57	25.37	79.96	13.96	1.53	10.55	1.24	6.15	1.11	3.09	0.55	3.20	0.42	37.40	3.34	12.38	498.58	791.38		
SMDH 00632	102.0	70.36	0.20	43.40	57.64	121.75	13.69	48.42	7.83	1.91	7.04	1.22	7.04	1.46	4.26	0.56	4.54	0.62	19.83	1.76	6.49	286.64	1155.08		
SMDH 00632	70.2	56.21	0.11	24.42	47.51	106.03	11.37	39.52	6.47	0.96	5.79	0.75	4.57	0.85	2.28	0.35	2.38	0.34	18.02	1.38	6.96	319.06	606.92		1.50

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00632	67.0	61.88	0.08	18.26	54.26	112.85	13.94	43.56	7.67	0.78	4.99	0.77	3.61	0.73	1.94	0.35	1.86	0.25	19.72	1.38	5.78	266.78	454.20		
SMDH 00632	87.3	75.98	0.16	26.96	64.39	133.45	16.79	53.62	10.78	1.12	6.70	0.88	4.68	0.94	2.63	0.39	2.38	0.30	23.46	1.78	10.14	429.42	579.36		
SMDH 00632	66.0	56.64	0.08	20.91	48.32	102.61	12.38	39.64	8.03	0.84	4.88	0.72	3.90	0.83	2.17	0.32	2.17	0.28	17.68	1.32	8.61	356.07	459.57		1.50
SMDH 00632	148.3	125.84	0.13	47.39	107.82	218.15	26.79	88.86	14.72	1.84	10.67	1.58	8.60	1.57	4.46	0.73	4.54	0.59	38.76	2.99	24.18	984.46	907.00		
SMDH 00632	194.7	178.50	0.11	52.95	152.88	316.37	38.49	127.92	22.71	1.75	14.87	2.00	10.10	1.87	4.74	0.72	4.54	0.59	58.14	4.52	29.48	1158.04	921.22		
SMDH 00632	82.1	81.77	0.09	17.41	72.66	147.10	18.28	59.16	10.57	1.17	6.92	0.75	3.58	0.61	1.71	0.25	1.34	0.18	26.41	1.81	12.15	501.96	688.57	0.03	
SMDH 00632	71.0	68.65	0.06	16.56	62.29	123.94	15.17	49.92	8.83	0.92	5.45	0.64	2.92	0.58	1.79	0.33	1.86	0.25	20.85	1.37	9.08	366.34	540.01	0.02	1.37
SMDH 00632	74.1	64.63	0.13	21.40	56.12	115.17	13.41	46.57	8.83	1.46	5.22	0.80	3.85	0.79	2.02	0.37	2.17	0.29	17.91	1.58	9.20	356.21	597.39		
SMDH 00632	71.7	68.83	0.05	16.20	61.83	124.92	14.71	49.80	8.54	1.40	6.58	0.77	3.55	0.57	1.37	0.21	1.24	0.16	19.95	1.75	10.50	398.35	679.56		
SMDH 00632	83.1	75.67	0.14	21.88	65.67	143.07	15.69	55.00	8.13	1.20	6.58	0.80	4.17	0.76	1.88	0.24	1.55	0.22	21.87	1.91	10.14	411.99	714.23		
SMDH 00632	58.1	56.06	0.09	12.45	51.35	106.88	11.87	41.25	6.02	1.44	4.77	0.54	2.40	0.42	1.12	0.13	1.03	0.15	16.32	1.08	7.19	292.04	654.60		1.61
SMDH 00632	67.8	64.93	0.10	14.99	58.45	122.97	12.89	48.42	7.36	0.71	5.33	0.62	3.01	0.54	1.25	0.18	1.24	0.17	18.36	1.37	11.09	503.04	653.73	0.01	
SMDH 00632	90.6	86.26	0.13	20.79	73.59	158.31	17.24	64.36	8.37	0.76	7.26	0.79	3.86	0.71	1.70	0.28	2.07	0.28	23.35	1.86	12.62	542.89	800.91		
SMDH 00632	58.1	60.14	0.14	9.67	54.84	115.41	12.59	44.95	5.82	0.90	4.77	0.52	2.09	0.34	0.79	0.12	0.72	0.11	17.45	1.34	11.09	475.35	592.71		
SMDH 00632	89.2	74.75	0.10	28.05	65.32	140.27	15.19	53.85	7.52	1.56	6.92	0.94	4.77	0.93	2.77	0.46	3.30	0.46	20.29	1.84	13.80	583.14	642.11		1.42
SMDH 00631	110.3	100.38	0.09	29.14	80.34	208.76	20.09	73.03	12.46	0.85	9.53	1.15	6.10	1.05	3.01	0.37	2.99	0.42	36.04	2.53	15.68	716.06	600.51		
SMDH 00631	127.0	109.34	0.11	37.36	87.44	198.04	21.08	79.73	12.97	1.34	10.89	1.31	7.21	1.38	3.64	0.48	3.41	0.48	34.34	2.12	10.14	470.21	732.09	1.32	
SMDH 00631	122.8	102.46	0.13	38.93	87.68	181.59	20.35	74.65	10.85	1.79	9.08	1.25	6.21	1.30	3.53	0.59	3.41	0.48	32.98	2.03	11.32	509.93	634.31		
SMDH 00631	129.9	108.50	0.14	42.43	88.84	188.41	22.35	77.42	11.36	1.34	10.44	1.32	7.41	1.30	3.68	0.44	3.30	0.46	34.45	1.97	8.37	347.29	588.89	0.02	
SMDH 00631	133.7	106.14	0.15	47.51	88.03	189.87	21.54	75.92	11.60	1.61	10.10	1.35	7.32	1.56	3.85	0.62	3.72	0.43	37.40	2.50	9.67	428.47	596.00		
SMDH 00631	114.5	88.91	0.16	41.95	69.05	149.90	17.62	62.86	9.35	1.30	8.51	1.23	7.19	1.35	3.71	0.53	3.41	0.41	29.35	1.90	7.31	319.73	552.32		1.64
SMDH 00631	114.1	95.94	0.14	36.27	80.34	172.57	19.68	68.52	11.08	1.53	9.53	1.19	6.54	1.19	3.30	0.45	2.99	0.35	34.34	1.84	8.14	354.31	591.32		
SMDH 00631	110.1	90.63	0.09	36.27	73.24	160.87	18.23	64.71	10.73	1.47	8.28	1.25	6.44	1.28	3.49	0.53	3.10	0.36	31.28	1.76	9.32	405.92	580.92		
SMDH 00631	136.3	117.53	0.16	40.98	93.26	203.77	23.59	85.16	13.88	1.33	10.44	1.40	7.38	1.38	3.91	0.56	3.20	0.38	40.12	2.20	9.32	393.35	719.09	0.01	
SMDH 00631	136.3	117.53	0.16	40.98	93.26	203.77	23.59	85.16	13.88	1.33	10.44	1.40	7.38	1.38	3.91	0.56	3.20	0.38	40.12	2.20	9.32	393.35	719.09	0.01	
SMDH 00630	87.6	85.24	0.05	19.83	70.33	167.57	18.11	62.17	11.35	0.60	9.08	0.88	4.08	0.73	1.96	0.21	1.96	0.28	33.21	3.19	16.04	723.22	415.54		
SMDH 00630	155.6	142.46	0.11	40.50	115.39	231.19	29.37	102.73	17.51	2.03	14.07	1.68	8.69	1.70	4.56	0.63	4.03	0.55	34.45	2.16	11.67	526.95	682.68		1.45
SMDH 00630	155.8	125.79	0.11	52.95	107.35	186.83	25.15	90.94	13.37	2.18	11.12	1.50	8.19	1.67	3.93	0.63	3.61	0.43	34.34	2.59	13.09	548.15	707.30		1.48
SMDH 00630	166.5	157.06	0.14	40.74	132.39	283.71	32.57	114.86	17.05	1.25	12.94	1.79	7.83	1.30	3.65	0.56	3.61	0.43	54.17	3.62	22.76	966.90	681.12		
SMDH 00630	153.0	148.10	0.09	34.45	123.65	269.82	30.54	108.97	16.74	0.99	12.82	1.56	7.04	1.14	2.97	0.41	2.58	0.31	53.61	2.96	13.09	556.53	594.62		
SMDH 00630	98.9	84.37	0.16	30.10	63.22	137.10	16.76	61.01	10.19	1.20	7.94	1.10	5.49	1.12	3.01	0.44	2.68	0.31	31.05	1.80	8.96	385.92	583.35		
SMDH 00630	102.1	90.98	0.13	28.29	66.37	147.10	18.53	65.87	10.74	1.37	8.40	1.08	5.50	1.00	2.47	0.33	2.38	0.26	33.55	1.86	8.25	334.59	566.18	0.02	1.64
SMDH 00630	71.5	57.63	0.10	24.18	44.71	94.45	11.29	41.72	7.01	0.96	5.90	0.87	3.75	0.77	2.25	0.30	1.86	0.20	18.59	1.34	6.25	262.06	411.72		
SMDH 00630	111.2	90.32	0.16	38.81	70.56	160.99	19.05	63.56	11.98	1.15	9.53	1.19	6.53	1.30	3.48	0.54	3.82	0.41	35.47	1.99	8.73	360.53	641.94		
SMDH 00630	98.0	85.09	0.13	28.77	66.37	146.12	17.25	61.24	10.24	1.37	8.74	1.07	5.53	0.94	2.46	0.34	2.68	0.29	31.73	1.42	6.96	289.07	528.91		
SMDH 00630	95.3	82.13	0.19	28.41	66.37	144.54	16.75	59.28	9.81	1.53	7.72	1.01	5.09	1.05	2.44	0.39	2.38	0.26	29.01	1.16	8.37	347.83	512.10		1.66
SMDH 00630	129.1	116.35	0.21	34.70	89.66	200.96	23.42	85.16	12.68	1.44	9.42	1.24	6.53	1.17	3.21	0.50	3.20	0.35	42.39	1.55	9.32	392.27	677.13	0.01	
SMDH 00630	123.4	107.13	0.13	36.51	81.16	182.19	21.61	77.88	11.64	1.41	9.42	1.18	6.45	1.36	3.22	0.57	2.99	0.33	41.03	1.59	10.73	442.25	652.52		
SMDH 00630	123.4	107.13	0.13	36.51	81.16	182.19	21.61	77.88	11.64	1.41	9.42	1.18	6.45	1.36	3.22	0.57	2.99	0.33	41.03	1.59	10.73	442.25	652.52		
SMDH 00629	89.5	88.29	0.08	18.38	71.72	164.04	17.60	65.75	10.91	0.47	7.60	0.78	4.16	0.77	1.85	0.27	1.55	0.22	37.17	2.43	12.85	581.79	610.04		
SMDH 00629	124.0	100.09	0.12	41.47	84.18	166.23	19.34	72.68	11.81	1.73	9.65	1.16	6.91	1.40	4.15	0.56	4.03	0.55	26.07	1.80	9.08	429.55	630.67		
SMDH 00629	90.5	67.65	0.12	34.82	55.66	112.36	13.28	48.07	7.19	1.28	6.58	0.99	5.32	1.11	3.37	0.48	3.20	0.35	18.81	1.65	6.72	292.72	593.23		
SMDH 00629	110.7	91.60	0.18	35.54	77.55	157.82	17.53	66.68	9.54	1.08	8.40	1.03	6.36	1.30	3.31	0.56	3.30	0.42	28.33	2.17	10.61	456.98	592.71		1.51
SMDH 00629	87.0	65.36	0.16	33.37	57.29	113.46	13.11	45.64	6.40	1.34	5.56	0.88	5.73	1.11	3.55	0.49	2.99	0.38	18.70	1.83	18.28	374.04	562.37		
SMDH 00629	107.9	88.18	0.16	35.18	73.01	148.92	16.65	64.60	9.20	1.15	6.92	0.98	5.96	1.16	3.10	0.47	2.89	0.37	26.18	1.71	7.31	316.09	567.05	0.02	
SMDH 00629	106.5	81.37	0.14	39.41	68.11	136.49	15.66	58.59	8.07	1.41	7.04	0.99	6.14	1.36	4.35	0.60	3.61	0.46	22.44	1.54	8.96	381.47	618.89		
SMDH 00629	82.1	76.60	0.14	19.46	69.63	139.91	15.32	56.62	7.94	1.41	6.58	0.79	3.86	0.79	1.82	0.28	1.65	0.21	23.46	1.40	9.91	407.00	728.45		1.54
SMDH 00629	67.1	58.37	0.14	18.38	53.56	101.03	10.73	43.80	5.44	1.11	4.65	0.61	3.23	0.62	1.86	0.25	1.34	0.17	18.13	0.83	6.96	306.36	540.01		
SMDH 00629	107.3	93.00	0.15	30.47	80.81	168.42	17.60	68.76	9.06	1.45	8.17	1.00	5.65	1.06	3.03	0.46	2.68	0.34	28.90	1.77	8.02	356.21	685.11		
SMDH 00629	96.4	73.72	0.14	34.45	62.18	123.21	13.38	53.62	7.71	1.56	6.81	0.86	5.86	1.13	3.61	0.47	3.51	0.45	20.17	1.50	8.49	374.58	684.07	0.01	
SMDH 00629	108.1	90.15	0.20	34.58	77.43	156.24	17.94	65.29	9.58	1.34	8.17	1.07	5.86	1.21	3.07	0.48	3.51	0.36	27.54	1.76	9.67	407.94	722.73		1.62
SMDH 00629	111.4	81.35	0.21	44.25	71.72	148.19	16.01	57.43	8.01	1.80	7.94	1.15	6.76	1.61	4.31	0.74	4.75	0.50	24.14	1.92	12.15	481.56	809.58		
SMDH 00629	125.9	85.05	0.17	55.37	69.16	142.83	16.03	59.40	8.04	1.52	7.83	1.39	8.23	1.96	5.62	0.90	6.20	0.64	23.69	2.01	9.79	402.94	796.06		
SMDH 00628	85.7	74.38	0.14	24.90	56.94	169.40	14.60	53.73	9.31	1.02	7.04	0.94	5.10	0.90	2.76	0.40	2.58	0.36	26.75	2.04	12.85	574.36	1035.81	0.42	
SMDH 00628	127.6	89.62	0.21	52.35	80.11	117.85	16.91	63.67	10.85	2.51	10.44	1.41	7.62	1.52	4.70	0.64	4.96	0.68	19.04	1.47	10.02	437.12	1249.21		1.42
SMDH 00628	72.6	42.98	0.24	34.82	28.41	49.97	7.11	29.12	5.76	1.90	5.33	0.93	5.83	1.33	3.30	0.52	3.20	0.34	7.48	0.69	6.37	256.38	1314.57		
SMDH 00628	68.0	36.68	0.26	35.42	22.12	38.51	5.72	24.04	4.23	1.59	5.67	0.96	5.96	1.28	3.41	0.46	2.68	0.28	4.31	0.47	3.77	152.51	1410.43	0.04	1.48
SMDH 00628	67.0	46.09	0.25	27.20	34.12	63.01	7.93	32.24	5.76	1.64	5.67	0.88	5.04	1.06	2.53	0.35	2.79	0.29	8.39	0.64	4.13	182.63	1408.35		
SMDH 00628	85.5	91.29	0.13	11.24	83.83	171.84	18.77	68.76	9.50	1.69	7.04	0.81	2.95	0.43	0.92	0.08	0.62	0.06	31.17	1.18	7.43	315.41	728.62		
SMDH 00628	76.7	73.35	0.13	16.32	64.39	128.69	14.89	54.66	7.34	1.90	5.79	0.63	3.17	0.55	1.64	0.25	1.45	0.15	24.14	1.21	7.67	316.63	614.55		
SMDH 00628	69.3	60.42	0.16	20.79	54.61	105.17	13.10	43.10	7.90	1.23	5.79	0.77	3.45	0.64	1.94	0.33	2.17	0.28	19.83	1.70	6.84	312.30	574.85		1.54
SMDH 00628	82.2	69.44	0.16	26.11	61.25	121.38	14.81	49.80	9.36	1.42	6.81	0.81	4.02	0.90	2.43	0.41	2.68	0.34	23.01	2.07	7.08	313.12	575.72	0.02	
SMDH 00628	91.3	76.16	0.17	29.50	66.48	133.08	15.66	54.31	8.13	1.32	7.26	0.93	5.26	1.00	2.94	0.46	3.20	0.42	24.37	2.46	7.19	324.87	624.09		
SMDH 00628	94.8	82.97	0.16	28.05	72.54	145.51	17.66	59.63	11.82	1.40	8.51	1.01	4.67	0.94	2.68	0.44	2.38	0.31	27.54	2.86	7.08	345.40	620.10		
SMDH 00628	76.5	57.87	0.22	28.41	43.20	83.36	11.06	40.91	7.46	1.24	6.24	0.84	5.07	1.06	2.79	0.39	2.68	0.35	14.62	1.40	5.19	239.77	991.26		1.72
SMDH 00637	92.4	80.39	0.15	26.84	64.85	142.22	16.09	58.36	9.90	1.23	7.38	1.04	4.89	0.93	2.76	0.39	2.89	0.31	28.45	1.95	15.92	660.00	924.69		
SMDH 00637	66.4	47.52	0.13	26.72	36.79	76.29	9.29	32.82	6.96	1.50	5.33	0.83	4.58	0.89	2.20	0.37	2.07	0.22	14.28	0.65	3.54	126.57	713.54		
SMDH 00637	30.1	15.38	0.16	16.32	9.20	21.45	2.19	10.28	2.18	0.57	2.38	0.34	2.56	0.55	1.36	0.25	1.45	0.19	3.40	0.54	1.42	60.25	533.94		
SMDH 00637	26.9	14.98	0.13	13.78	8.38	21.08	2.42	9.59	1.75	0.60	2.38	0.44	2.53	0.41	1.45	0.18	1.24	0.16	2.72	0.79	1.65	71.32	513.66	0.02	
SMDH 00637	44.9	21.51	0.21	25.87	10.94	24.50	3.45	12.94	3.93	0.98	3.63	0.73	4.38	0.91	2.54	0.47	2.48	0.32	2.49	0.56	2.00	91.04	1029.57		
SMDH 00637	47.2	22.43	0.27	26.96	9.31	26.93	3.26	13.64	3.91	1.03	4.43	0.72	4.81	0.89	2.58	0.40	2.68	0.35	2.61	0.54	2.12	97.39	1295.84		1.55
SMDH 00637	46.0	27.13	0.21	22.00	18.98	27.30	4.45	18.03	3.69	1.30	3.86	0.60	4.06	0.73	2.06	0.32	2.07	0.26	2.83	0.51	4.60	201.27	969.24		
SMDH 00637	49.8	26.06	0.22	26.72	16.88	26.93	4.37	16.99	3.31	1.43	4.31	0.72	3.97	0.95	2.42	0.37	2.68	0.34	2.72	0.37	2.59	114.55	1155.95		1.77
SMDH 00637	56.6	27.57	0.28	31.67	12.23	26.45	3.95	17.22	4.16	1.31	5.45	0.90	5.50	1.21	2.87	0.41	2.89	0.37	2.38	0.50	2.48	106.98	1408.18	0.02	
SMDH 00637	25.3	19.17	0.09	7.98	17.81	35.22	4.00	13.40	2.60	2.19	2.16	0.30	1.46	0.32	0.83	0.14	0.93	0.12	4.53	0.34	4.25	201.67	601.20		1.61
SMDH 00637	42.7	21.99	0.28	23.21	12.46	25.47	3.66	13.64	3.25	1.12	4.54	0.71	3.98	0.87	2.17	0.33	2.17	0.28	2.83	0.39	2.48	113.74	1115.38		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00638	85.5	76.66	0.08	23.45	59.73	136.62	15.60	55.70	9.93	0.94	6.36	0.87	4.49	0.88	2.19	0.38	2.48	0.27	27.31	1.88	15.57	647.17	579.01		
SMDH 00638	148.7	135.71	0.09	38.81	107.70	242.76	27.14	99.38	16.31	1.30	11.24	1.53	7.67	1.33	3.30	0.57	3.51	0.38	45.11	2.96	19.10	771.71	640.55	0.98	1.54
SMDH 00638	121.2	109.91	0.13	32.04	88.61	179.39	22.03	79.96	14.11	1.26	10.21	1.32	6.59	1.22	2.88	0.45	3.10	0.39	34.45	2.47	19.93	861.68	928.33		
SMDH 00638	68.2	56.45	0.20	21.04	41.57	86.53	10.50	40.79	7.32	1.17	6.01	0.80	4.35	0.79	2.09	0.27	1.86	0.24	14.51	1.45	8.49	380.12	1296.19		
SMDH 00638	61.0	55.58	0.09	15.23	45.53	92.38	10.91	41.02	6.37	1.05	5.11	0.57	3.07	0.55	1.43	0.20	1.24	0.16	16.21	1.05	6.13	270.30	659.45	0.03	1.58
SMDH 00638	108.5	105.21	0.09	23.70	88.37	165.50	21.12	77.65	13.02	0.75	8.74	1.07	5.37	0.87	2.06	0.30	1.96	0.25	31.28	2.67	7.19	304.74	605.54		
SMDH 00638	52.9	53.72	0.10	9.55	48.90	90.06	11.41	39.64	6.35	1.01	4.54	0.46	2.22	0.37	0.64	0.14	0.93	0.12	15.98	1.42	8.14	347.16	481.59		
SMDH 00638	20.8	19.81	0.05	5.08	20.61	37.29	4.82	13.64	2.81	0.77	1.93	0.17	1.19	0.14	0.42	0.05	0.31	0.03	6.12	0.67	5.54	279.62	320.54		
SMDH 00638	21.4	14.59	0.09	9.07	12.58	22.67	2.92	10.28	1.12	0.65	1.13	0.20	1.20	0.35	1.11	0.14	1.34	0.17	3.97	0.80	12.50	543.97	321.40		1.60
SMDH 00638	36.8	13.76	0.35	24.18	7.45	13.89	1.89	7.74	2.05	0.80	3.06	0.47	3.65	0.75	2.20	0.36	2.48	0.31	1.59	0.31	2.36	110.50	687.53	0.03	
SMDH 00638	67.2	45.21	0.20	30.71	40.64	74.58	9.19	30.62	5.59	0.44	4.09	0.69	4.71	1.11	3.28	0.54	3.82	0.49	12.92	0.94	7.43	319.73	615.59		
SMDH 00638	84.6	59.65	0.13	36.27	52.86	96.76	12.00	41.48	5.76	0.70	5.33	0.69	5.48	1.23	3.13	0.60	4.03	0.52	17.34	1.22	8.49	391.06	537.93		
SMDH 00638	56.4	46.25	0.16	18.74	38.31	73.73	9.48	31.89	6.59	0.94	5.79	0.73	4.14	0.60	1.50	0.18	1.34	0.18	14.62	1.86	5.78	232.07	706.26		1.47
SMDH 00638	38.7	24.20	0.26	18.13	13.39	31.32	4.28	16.18	3.62	0.68	3.63	0.54	3.21	0.57	1.67	0.28	1.45	0.19	5.21	1.55	2.48	108.47	594.09		
SMDH 00638	34.3	20.47	0.23	16.68	12.11	28.15	3.75	13.29	3.67	0.87	3.18	0.60	2.84	0.66	1.49	0.19	1.34	0.17	2.38	0.84	1.65	71.59	656.85	0.03	
SMDH 00639	138.6	120.81	0.13	40.62	98.85	215.95	24.32	87.82	15.99	1.54	10.55	1.49	7.17	1.41	3.58	0.48	3.10	0.33	35.59	2.77	18.87	776.57	796.40		
SMDH 00639	69.4	56.84	0.09	22.37	48.20	87.75	11.01	41.25	7.37	1.25	5.33	0.72	3.85	0.70	1.83	0.31	1.86	0.20	15.64	1.82	11.44	494.39	585.08		
SMDH 00639	42.1	36.48	0.10	12.57	32.14	62.76	7.55	26.23	4.74	0.60	3.40	0.37	2.33	0.38	1.33	0.20	1.14	0.14	10.77	1.68	5.90	278.67	459.74		
SMDH 00639	27.2	21.27	0.11	9.79	18.40	36.07	4.58	15.02	2.17	0.74	2.04	0.28	1.40	0.31	0.89	0.13	1.14	0.15	5.78	1.42	9.67	452.65	856.73		1.45
SMDH 00639	15.8	9.11	0.12	7.74	5.47	13.89	1.41	6.12	1.38	0.38	1.25	0.24	1.33	0.28	0.77	0.12	0.72	0.09	4.08	1.10	2.12	103.74	357.64		
SMDH 00639	23.2	12.62	0.23	12.21	6.64	16.82	2.05	8.32	1.72	0.40	2.04	0.34	1.91	0.36	1.15	0.15	0.93	0.13	1.47	0.77	1.65	76.32	505.16		
SMDH 00639	23.2	13.19	0.13	11.73	7.80	14.62	2.28	8.55	2.14	0.57	2.04	0.31	2.05	0.39	1.15	0.16	0.93	0.12	1.59	0.79	1.89	106.85	419.87	0.04	
SMDH 00639	28.9	20.13	0.17	12.21	15.14	29.74	4.02	13.75	2.79	0.59	2.27	0.39	1.96	0.44	0.99	0.18	1.03	0.13	5.10	0.77	2.83	139.81	603.11		1.53
SMDH 00639	32.0	17.78	0.21	16.08	12.11	15.23	2.73	11.56	2.82	0.86	2.95	0.42	3.06	0.56	1.43	0.21	1.45	0.19	0.68	0.47	1.65	106.98	559.77		
SMDH 00639	42.1	20.59	0.17	23.82	10.94	18.04	3.28	12.48	3.28	0.96	3.40	0.54	4.29	0.77	2.45	0.34	2.17	0.29	0.79	0.53	1.77	70.51	630.33		
SMDH 00639	32.6	17.57	0.19	16.56	9.78	19.13	2.47	11.79	2.33	0.94	2.61	0.41	2.90	0.54	1.49	0.18	1.24	0.17	1.02	0.37	1.30	54.84	619.93		
SMDH 00639	27.9	17.46	0.19	13.06	11.41	22.06	3.24	11.90	2.44	0.61	2.61	0.40	1.92	0.48	1.18	0.17	1.14	0.15	0.91	0.53	1.89	92.26	588.89	0.04	1.33
SMDH 00639	33.5	19.62	0.23	16.20	9.31	22.79	3.00	12.71	2.62	0.65	2.95	0.47	3.44	0.58	1.56	0.24	1.24	0.17	10.09	0.91	1.53	66.46	696.20		
SMDH 00639	39.0	19.14	0.20	21.88	9.78	25.47	2.88	11.90	3.54	0.89	2.84	0.67	3.70	0.71	2.28	0.35	1.86	0.25	12.81	1.10	1.65	72.94	638.65		
SMDH 00640	98.7	73.16	0.16	37.96	57.87	123.82	14.06	51.88	9.30	1.65	7.49	1.16	6.06	1.35	3.66	0.54	3.61	0.40	21.08	1.76	8.02	330.95	1049.85		
SMDH 00640	104.2	81.00	0.14	37.60	64.62	133.08	15.94	57.78	10.07	1.59	8.17	1.20	6.08	1.21	3.67	0.57	3.61	0.39	24.71	2.10	13.80	567.47	935.61		1.41
SMDH 00640	95.0	78.10	0.12	30.83	67.30	133.33	15.05	56.85	9.47	1.12	7.38	1.02	5.18	1.03	3.33	0.42	2.89	0.39	22.44	2.20	11.20	491.02	681.64		
SMDH 00640	65.0	57.10	0.08	19.46	50.18	100.66	12.36	40.44	6.79	0.78	5.45	0.70	3.60	0.62	1.61	0.27	1.76	0.24	15.98	1.77	7.19	333.11	490.25		1.64
SMDH 00640	68.3	55.68	0.04	22.37	45.41	94.45	10.47	40.44	6.98	0.77	5.11	0.81	3.95	0.71	2.20	0.32	2.17	0.29	14.17	2.02	7.90	348.37	417.96	0.02	
SMDH 00640	69.4	66.88	0.14	15.84	57.29	118.94	14.00	48.88	8.30	0.70	5.56	0.78	3.22	0.54	1.73	0.20	1.55	0.19	18.93	2.00	7.67	327.16	459.92		
SMDH 00640	79.3	66.16	0.13	25.99	56.59	116.39	13.78	47.49	7.88	0.95	6.47	0.87	4.02	0.98	3.21	0.46	3.20	0.40	18.36	1.99	8.73	353.91	599.47		
SMDH 00640	19.5	17.86	0.09	4.35	14.44	29.98	3.64	13.29	1.31	0.96	1.36	0.15	0.79	0.15	0.52	0.06	0.62	0.08	4.42	0.53	7.31	318.25	340.30		1.71
SMDH 00640	91.5	78.40	0.14	28.53	64.74	135.64	16.13	56.62	9.12	0.70	6.81	0.90	4.75	1.02	3.36	0.47	3.51	0.44	21.99	1.86	8.96	359.31	576.41		
SMDH 00640	124.8	97.18	0.12	46.42	80.57	162.94	19.77	70.14	9.96	0.96	9.53	1.16	6.11	1.40	5.11	0.77	5.58	0.69	29.47	2.34	10.14	415.78	557.52	0.02	
SMDH 00640	99.3	87.68	0.13	27.68	73.35	149.90	17.14	64.94	10.04	1.12	6.92	0.95	4.64	1.03	3.06	0.51	3.41	0.42	25.61	1.84	10.02	391.87	655.81		
SMDH 00640	100.4	87.56	0.16	30.34	74.75	151.61	18.35	63.56	10.43	0.85	7.26	0.91	4.75	1.03	3.10	0.53	3.72	0.46	25.61	2.28	10.26	433.47	891.75		1.48
SMDH 00640	34.5	33.44	0.05	6.41	30.86	63.01	6.77	25.08	3.91	1.37	2.50	0.29	1.31	0.19	0.44	0.07	0.62	0.08	9.97	0.95	8.02	341.48	396.12		
SMDH 00640	46.0	49.03	0.09	7.25	42.38	86.41	10.94	36.17	6.59	0.66	3.97	0.41	1.51	0.24	0.75	0.08	0.72	0.08	15.30	1.18	10.14	428.88	417.96		
SMDH 00640	89.3	80.25	0.15	24.90	66.14	136.98	16.59	58.12	10.03	0.69	7.15	0.92	4.62	0.93	2.85	0.40	2.89	0.33	25.16	2.33	10.73	434.28	750.46	0.01	
SMDH 00640	93.4	84.76	0.17	25.39	71.26	145.02	17.30	61.82	11.14	0.51	6.70	0.79	4.85	0.95	2.66	0.44	2.99	0.34	25.95	1.67	8.49	346.89	545.03		1.62
SMDH 00647	83.3	75.28	0.06	22.97	67.53	138.57	16.01	54.20	10.14	1.02	7.15	0.91	4.17	0.82	1.88	0.33	1.96	0.21	24.82	2.42	11.20	449.95	440.85	0.84	
SMDH 00647	94.8	84.21	0.09	26.23	73.12	141.49	16.78	61.36	10.04	1.18	7.60	0.99	5.08	0.85	2.13	0.31	2.27	0.24	25.61	2.62	10.97	410.37	718.22		
SMDH 00647	48.2	43.18	0.13	13.30	37.84	73.97	9.32	30.39	5.75	0.99	4.20	0.54	2.93	0.43	1.30	0.20	1.14	0.13	12.58	1.65	8.84	343.37	641.07		
SMDH 00647	89.5	76.53	0.17	27.68	61.48	124.19	15.71	55.12	9.29	1.01	7.15	1.02	4.68	1.03	2.71	0.39	2.38	0.27	21.53	2.89	8.49	345.67	762.77		
SMDH 00647	91.1	73.36	0.16	31.43	59.03	117.12	14.99	51.65	9.32	1.34	7.26	1.11	5.60	1.15	3.31	0.44	2.79	0.31	20.06	2.93	8.25	319.33	717.53		
SMDH 00647	39.5	35.06	0.11	11.48	29.81	70.44	7.84	24.27	4.81	0.84	3.18	0.45	2.51	0.45	1.20	0.17	1.14	0.13	11.67	1.26	7.67	314.74	574.16	0.02	1.62
SMDH 00647	80.8	70.88	0.15	23.94	56.94	113.95	14.91	50.38	8.19	0.92	7.15	0.87	4.72	0.78	2.26	0.29	1.86	0.21	19.49	2.50	6.37	264.89	575.72		
SMDH 00647	123.3	104.28	0.16	39.41	82.90	171.59	21.34	74.53	12.24	0.97	10.55	1.26	7.15	1.37	4.12	0.57	4.23	0.48	30.49	4.05	7.78	283.94	796.06		
SMDH 00647	107.2	93.19	0.16	31.55	77.31	156.85	18.82	66.91	11.07	1.25	8.85	1.26	6.20	1.10	3.05	0.45	2.58	0.31	26.75	3.38	7.67	317.17	899.72		
SMDH 00647	124.9	100.44	0.22	44.13	85.93	175.00	20.91	70.60	13.88	1.28	9.31	1.32	7.60	1.57	4.21	0.65	4.34	0.52	29.58	4.54	7.67	305.42	830.73		1.54
SMDH 00647	105.9	95.76	0.16	29.62	83.48	167.81	20.43	68.18	12.89	0.97	9.42	1.25	5.90	1.03	2.76	0.36	2.17	0.26	28.11	3.59	8.96	345.40	980.16	0.03	1.60
SMDH 00647	76.2	70.65	0.19	18.13	60.90	120.29	14.46	51.88	8.40	1.92	5.56	0.78	3.53	0.68	1.80	0.22	1.24	0.15	19.49	2.03	7.90	341.35	769.36		
SMDH 00647	102.8	96.93	0.17	24.78	80.81	166.11	20.29	70.49	13.43	1.38	7.83	1.09	5.06	0.89	2.12	0.32	1.76	0.21	29.81	2.68	8.61	376.60	913.25		
SMDH 00647	52.3	30.36	0.30	26.72	18.98	41.80	5.61	19.41	5.14	0.84	4.65	0.79	4.54	0.87	2.64	0.39	2.07	0.24	4.87	1.10	2.12	81.32	721.34		
SMDH 00646	101.7	96.06	0.08	23.94	75.33	198.65	19.08	70.72	12.66	0.80	8.85	0.96	5.29	0.95	2.25	0.36	2.38	0.25	36.61	2.60	14.27	565.72	681.29		
SMDH 00646	106.8	98.38	0.10	26.96	79.53	175.49	19.82	71.99	13.61	1.30	8.28	1.04	5.53	0.93	2.65	0.40	2.99	0.32	32.07	2.10	16.16	643.93	816.86		1.53
SMDH 00646	81.4	53.09	0.14	36.99	42.15	62.52	10.57	36.40	6.93	1.88	6.24	0.88	5.24	1.21	3.72	0.54	3.30	0.40	13.37	1.33	13.56	585.84	1038.93		1.46
SMDH 00646	63.2	33.66	0.15	34.58	27.83	39.73	6.25	21.84	3.73	1.21	4.09	0.71	4.86	1.07	3.26	0.66	3.92	0.46	8.39	1.27	15.68	692.42	1253.72	0.05	
SMDH 00646	28.3	17.95	0.07	12.21	15.14	27.18	3.41	12.48	2.35	1.53	2.04	0.31	1.75	0.36	1.22	0.17	1.24	0.15	4.31	1.23	21.93	930.03	1720.05		
SMDH 00646	20.2	10.30	0.15	10.40	8.50	13.89	1.86	6.70	0.97	1.36	1.25	0.21	1.53	0.32	1.00	0.14	1.14	0.14	1.47	0.67	14.74	640.95	1030.78		
SMDH 00646	25.4	18.26	0.08	9.79	17.00	33.64	3.90	12.71	2.82	1.25	1.59	0.22	1.43	0.26	0.97	0.13	0.93	0.12	5.10	0.71	17.34	722.14	966.64		1.44
SMDH 00646	22.9	17.14	0.09	7.86	14.32	26.69	3.39	12.25	2.04	1.26	1.36	0.22	1.29	0.23	0.64	0.13	0.72	0.09	3.85	0.40	8.73	346.48	607.62		
SMDH 00646	42.5	16.16	0.25	27.81	10.60	23.03	2.64	9.82	1.56	1.22	2.04	0.45	3.25	0.93	3.20	0.51	3.72	0.46	3.40	1.08	26.30	1127.78	1596.27	0.03	
SMDH 00646	31.2	15.95	0.18	17.05	12.23	24.86	2.94	9.71	1.78	1.12	1.82	0.34	2.96	0.60	1.88	0.33	2.17	0.27	4.53	0.96	21.58	969.47	1221.13		
SMDH 00646	46.3	16.48	0.18	31.07	10.36	21.21	2.43	9.01	1.99	1.17	2.27	0.60	4.44	1.04	3.20	0.45	3.20	0.40	3.17	1.28	28.54	1230.98	1855.96		1.47
SMDH 00646	33.7	18.77	0.13	17.29	14.67	30.22	3.63	12.36	1.86	1.30	1.93	0.37	2.41	0.59	1.82	0.29	1.86	0.23	4.19	0.93	23.23	1029.44	1643.77		
SMDH 00646	14.2	9.69	0.20	4.96	9.20	18.40	1.89	6.82	0.85	1.43	0.79	0.08	0.90	0.13	0.51	0.08	0.72	0.09	1.93	0.83	20.99	987.57	1249.04		
SMDH 00646	23.2	12.21	0.16	11.36	10.94	21.08	2.25	8.20	1.31	1.87	1.13	0.23	1.52	0.35	1.13	0.21	1.24	0.16	2.15	0.71	20.40	889.77	1131.16	0.01	
SMDH 00646	24.6	11.40	0.12	14.02	9.66	17.91	2.24	7.28	1.01	1.41	1.13	0.24	1.64	0.45	1.58	0.23	1.76	0.22	1.81	0.87	20.76	886.80	1267.59		1.54
SMDH 00646	19.5	12.34	0.18	8.22	10.48	20.47	2.40	8.55	1.31	1.31	1.59	0.18	1.21	0.27	0.82	0.15	1.24	0.15	1.81	0.92	23.70	1002.83	1271.05		
SMDH 00645	96.3	83.02	0.07	28.89	68.46	156.60	16.90	60.44	10.87	1.24	8.06	1.04	4.64	0.94	2.69	0.39	2.68	0.28	27.99	1.69	14.62	596.51	585.08		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00645	102.9	93.00	0.09	27.56	78.94	152.09	19.20	67.95	11.57	1.59	7.94	1.00	4.85	0.91	2.23	0.35	2.38	0.25	29.92	1.42	14.15	546.26	689.09	1.57	
SMDH 00645	124.6	134.48	0.09	14.87	109.68	230.33	26.53	103.08	14.02	1.76	8.85	0.95	3.93	0.53	1.13	0.13	0.83	0.10	40.69	0.86	7.55	345.80	560.29		
SMDH 00645	108.5	108.67	0.09	20.43	93.26	197.67	22.21	81.12	12.75	1.61	9.42	0.93	4.41	0.66	1.98	0.28	2.17	0.27	37.85	1.22	10.38	422.40	576.07		
SMDH 00645	125.7	112.82	0.16	34.45	87.09	194.75	23.00	83.20	14.60	1.40	9.53	1.14	5.48	1.08	3.52	0.49	3.41	0.44	38.76	1.71	11.32	460.08	640.73	0.01	1.61
SMDH 00645	72.0	64.08	0.09	18.74	55.42	111.27	12.70	47.38	7.96	1.83	6.13	0.65	3.35	0.67	2.00	0.29	2.07	0.27	20.74	0.94	9.32	369.31	578.32		
SMDH 00645	67.1	64.42	0.07	14.87	58.80	113.34	13.89	46.92	8.38	1.65	4.77	0.63	2.99	0.45	1.16	0.20	1.14	0.20	22.33	0.92	7.67	325.54	542.61		
SMDH 00645	72.1	76.64	0.06	11.00	72.07	141.00	17.31	55.93	9.12	1.74	6.24	0.65	2.74	0.39	0.84	0.11	0.72	0.08	26.52	1.05	8.25	355.26	608.31		
SMDH 00645	72.8	71.27	0.07	15.72	64.62	125.04	16.00	51.42	9.20	1.76	5.22	0.69	3.16	0.55	1.38	0.20	1.45	0.23	22.89	1.02	8.02	321.09	459.92		1.74
SMDH 00644	109.1	91.06	0.16	34.09	76.27	155.51	17.65	66.44	11.92	1.57	8.74	1.06	5.91	1.17	3.49	0.45	3.72	0.39	30.15	2.10	14.03	546.53	1025.23		1.28
SMDH 00644	114.9	94.05	0.16	36.99	80.69	142.71	17.90	68.87	11.14	1.79	9.08	1.03	6.25	1.29	2.98	0.50	3.41	0.35	27.54	1.79	13.09	509.93	925.90		
SMDH 00644	68.1	62.38	0.09	17.77	55.54	96.89	13.13	45.41	7.70	1.06	5.56	0.63	3.21	0.51	1.53	0.25	1.34	0.24	19.27	0.73	6.49	291.37	525.97	2.87	
SMDH 00644	76.7	63.36	0.10	26.11	60.08	108.71	14.02	44.49	7.86	1.23	5.45	0.72	4.13	0.93	2.65	0.41	2.89	0.38	19.72	1.16	8.73	371.88	539.49		
SMDH 00644	60.2	58.59	0.07	13.42	57.05	99.93	12.90	42.18	6.84	1.08	4.77	0.59	2.93	0.46	1.15	0.18	0.93	0.16	17.57	0.81	5.42	232.47	536.37		
SMDH 00644	69.5	61.78	0.09	19.58	56.12	104.32	13.19	44.03	7.92	1.37	4.99	0.75	3.82	0.66	1.76	0.28	1.65	0.25	17.79	0.85	6.25	265.84	498.23		1.63
SMDH 00644	93.1	76.76	0.11	31.43	70.44	115.17	16.37	53.39	8.96	1.33	6.13	0.92	6.08	0.98	2.96	0.52	3.20	0.54	19.04	1.10	7.67	308.93	533.07		
SMDH 00644	96.8	71.40	0.14	38.57	58.22	119.55	14.47	49.92	9.21	1.35	6.24	0.91	6.10	1.31	3.25	0.59	3.30	0.57	22.78	1.62	12.97	545.86	653.04	2.03	
SMDH 00644	88.4	63.86	0.13	36.15	51.00	110.41	12.89	44.60	8.29	1.27	5.90	0.85	5.52	1.29	3.26	0.53	3.30	0.51	20.85	1.41	7.55	352.29	612.47		
SMDH 00644	84.8	61.80	0.13	34.21	51.23	117.60	12.46	42.87	7.23	1.20	5.90	0.85	5.63	1.14	3.10	0.53	3.10	0.54	21.19	1.59	8.73	362.28	621.49		1.73
SMDH 00644	88.5	66.26	0.13	34.21	56.24	119.31	13.47	45.88	8.27	1.51	6.01	1.00	5.91	1.10	3.04	0.59	3.41	0.50	18.93	1.50	7.55	345.26	639.69		
SMDH 00644	101.3	79.78	0.14	36.39	68.11	149.78	16.53	56.04	9.95	1.64	7.26	1.03	6.17	1.38	3.39	0.58	3.82	0.56	26.29	1.95	13.68	565.17	699.84		
SMDH 00644	120.2	106.87	0.13	33.97	87.09	192.19	22.42	77.19	14.13	1.73	8.40	1.14	6.13	1.14	3.09	0.55	3.20	0.51	45.33	1.80	10.38	418.61	676.61	1.66	
SMDH 00644	102.9	94.75	0.13	26.48	81.39	184.88	19.96	68.76	11.19	1.59	6.47	1.00	5.04	1.08	2.40	0.38	2.48	0.40	34.57	1.45	10.38	436.58	818.59		1.68
SMDH 00644	106.0	73.66	0.13	45.94	60.43	142.34	14.97	50.38	8.91	1.36	6.24	1.10	7.20	1.65	4.33	0.71	4.65	0.66	37.29	1.88	9.91	435.63	743.53		
SMDH 00644	108.6	87.40	0.13	37.96	75.68	162.21	18.44	61.48	11.06	1.69	7.49	1.03	6.45	1.33	3.39	0.55	3.41	0.52	35.02	1.86	9.91	433.88	758.61		
SMDH 00656	179.9	170.39	0.07	40.86	135.76	295.78	32.84	128.27	20.17	1.50	14.64	1.56	7.72	1.47	3.91	0.52	3.61	0.37	66.41	2.72	18.99	743.35	550.93		
SMDH 00656	123.6	115.65	0.08	29.98	93.50	201.94	23.33	85.05	14.85	1.28	9.19	1.15	6.11	1.08	2.87	0.38	2.89	0.30	44.31	1.71	11.44	488.99	573.29		
SMDH 00656	78.8	70.53	0.09	21.76	56.01	118.58	14.84	50.73	8.44	1.31	5.33	0.71	4.25	0.71	1.78	0.32	1.76	0.25	26.63	0.93	6.72	294.88	619.93		
SMDH 00656	177.2	172.61	0.09	39.90	139.49	296.75	36.63	126.07	21.41	1.33	13.28	1.61	8.30	1.38	3.48	0.42	3.41	0.52	68.11	2.25	13.44	549.24	509.15	3.00	1.44
SMDH 00656	153.0	140.45	0.11	39.65	118.53	240.33	28.52	103.65	17.05	1.45	10.55	1.32	6.96	1.37	3.36	0.55	3.10	0.44	51.11	1.60	8.84	362.28	614.55		
SMDH 00656	120.6	109.10	0.11	33.73	91.63	189.26	23.72	78.46	14.57	1.46	9.08	1.01	5.90	1.12	3.08	0.57	3.20	0.51	40.01	1.55	11.79	490.48	620.62		
SMDH 00656	151.7	146.49	0.14	34.70	122.49	257.63	30.95	107.24	17.05	1.43	10.89	1.41	6.89	1.19	2.92	0.45	2.79	0.43	56.33	1.80	14.62	639.06	846.68		
SMDH 00656	109.7	102.60	0.12	27.20	83.14	175.00	21.49	75.23	13.43	1.42	8.06	0.92	4.96	0.94	2.42	0.41	2.17	0.38	38.87	1.57	11.20	495.07	750.12		1.58
SMDH 00656	164.0	164.11	0.12	33.25	129.24	282.13	34.89	120.41	21.10	1.51	13.85	1.61	7.20	1.21	2.50	0.33	2.17	0.37	64.83	2.23	12.97	546.40	831.42	3.50	
SMDH 00656	169.0	159.13	0.15	42.92	123.89	273.72	34.70	114.28	20.81	1.61	13.05	1.65	8.50	1.57	3.52	0.56	2.99	0.44	62.79	2.47	14.74	596.11	904.23		
SMDH 00655	40.7	36.54	0.02	11.24	30.27	68.86	7.58	26.46	4.36	0.47	3.40	0.40	2.10	0.37	1.07	0.19	1.24	0.14	13.37	0.90	8.02	361.61	250.85	2.17	1.77
SMDH 00655	117.4	102.87	0.05	34.45	79.53	171.84	21.15	73.96	12.47	1.20	8.51	1.16	6.60	1.18	3.28	0.54	3.51	0.39	33.89	2.00	16.27	662.43	555.09		
SMDH 00655	155.4	147.09	0.07	38.08	122.26	256.66	30.98	107.24	19.79	1.22	11.69	1.42	7.45	1.30	3.11	0.49	2.99	0.59	54.97	2.85	27.95	1160.61	653.73		
SMDH 00655	167.8	169.94	0.09	31.67	135.30	303.09	35.17	126.19	21.64	1.35	13.73	1.55	7.04	1.23	2.60	0.37	2.17	0.29	63.24	2.30	7.78	365.39	611.08		1.48
SMDH 00655	100.9	92.93	0.11	25.87	73.12	159.65	18.99	68.06	10.57	1.07	7.60	0.99	4.89	0.92	2.11	0.41	2.17	0.30	33.32	1.26	7.78	355.13	587.68		
SMDH 00655	165.2	153.24	0.16	41.95	121.44	254.22	31.61	112.55	18.87	1.66	11.46	1.50	7.58	1.46	4.10	0.69	4.34	0.63	48.73	2.19	9.67	424.29	749.08	4.20	
SMDH 00655	126.7	117.90	0.13	31.43	94.20	199.74	24.12	87.01	14.83	1.52	10.10	1.12	5.65	1.25	2.79	0.46	2.99	0.46	41.71	1.75	9.91	444.68	686.49		
SMDH 00655	123.9	123.15	0.13	24.30	96.99	212.30	25.17	91.75	13.00	1.59	9.42	1.03	5.20	0.84	1.98	0.29	1.45	0.22	40.91	1.50	11.09	485.61	719.61		1.58
SMDH 00655	111.4	107.16	0.12	25.75	88.96	190.73	23.06	78.00	12.31	1.52	8.62	0.93	5.17	1.03	2.36	0.42	2.17	0.30	37.06	1.22	10.38	473.46	681.12		
SMDH 00654	111.7	97.74	0.05	32.88	77.20	166.84	20.14	70.84	11.96	1.26	8.62	1.20	5.56	1.03	2.81	0.48	3.20	0.35	34.11	2.19	16.04	660.00	487.48		
SMDH 00654	133.2	119.49	0.05	37.60	96.29	206.93	25.06	85.97	15.13	1.17	10.55	1.35	7.10	1.26	3.81	0.51	3.61	0.40	42.27	2.52	18.28	769.28	459.05		
SMDH 00654	186.0	180.23	0.07	42.07	146.01	325.27	37.55	132.89	21.42	1.21	13.96	1.64	8.15	1.56	3.51	0.51	3.61	0.45	66.53	3.18	13.33	618.53	481.07		
SMDH 00654	105.0	99.80	0.09	25.87	81.74	182.68	21.77	72.22	13.22	1.08	8.85	1.02	4.78	0.96	2.33	0.33	2.48	0.37	35.81	1.85	11.20	481.15	503.08	2.80	
SMDH 00654	345.5	363.04	0.09	58.51	295.51	629.09	78.17	268.67	46.38	2.10	26.90	2.81	13.39	2.08	4.66	0.88	3.82	0.60	135.78	4.11	12.50	577.47	525.45		1.62
SMDH 00654	123.7	102.35	0.13	41.10	78.24	168.30	21.02	74.65	12.35	1.25	8.97	1.06	5.63	1.46	3.70	0.74	4.34	0.63	34.79	1.82	7.08	306.90	677.13		
SMDH 00654	109.0	100.30	0.13	28.29	80.81	172.57	20.95	73.26	12.88	1.32	7.72	0.95	5.14	1.00	2.55	0.52	2.58	0.42	35.36	1.65	6.60	306.63	629.46		
SMDH 00654	69.1	64.11	0.07	17.05	52.28	107.37	13.61	46.57	8.16	1.59	4.99	0.56	3.36	0.67	1.50	0.32	1.14	0.24	22.10	0.84	3.77	148.45	320.88		
SMDH 00654	69.1	64.11	0.07	17.05	52.28	107.37	13.61	46.57	8.16	1.59	4.99	0.56	3.36	0.67	1.50	0.32	1.14	0.24	22.10	0.84	3.77	148.45	320.88		
SMDH 00653	112.0	101.88	0.07	29.98	85.35	179.15	21.25	73.49	13.15	1.41	9.31	1.17	5.97	0.99	2.76	0.38	2.89	0.32	34.23	2.68	13.56	548.29	602.76		1.47
SMDH 00653	87.5	80.65	0.07	22.61	67.18	137.96	16.94	58.24	11.13	1.21	7.83	0.99	4.48	0.75	1.98	0.30	1.86	0.20	27.99	2.05	10.02	405.51	467.54	1.62	
SMDH 00653	56.7	57.99	0.07	11.00	50.88	107.12	12.97	42.06	7.60	0.65	4.77	0.53	2.43	0.42	0.77	0.12	0.62	0.11	19.04	1.27	6.49	322.71	461.48	5.50	1.59
SMDH 00653	49.4	47.44	0.05	10.88	39.59	83.85	9.97	34.90	6.78	1.09	4.31	0.46	2.11	0.41	0.63	0.05	0.41	0.06	14.62	1.41	4.36	187.36	333.37		
SMDH 00653	88.9	91.30	0.05	16.20	73.01	156.97	19.79	66.21	11.41	1.24	7.83	0.95	4.34	0.59	1.10	0.15	0.62	0.09	31.17	2.22	7.19	297.99	558.90		
SMDH 00653	128.9	137.12	0.03	18.98	115.85	229.97	29.03	101.11	18.27	1.85	12.14	1.48	5.49	0.71	1.05	0.08	0.72	0.12	52.70	4.35	9.20	363.77	632.93		
SMDH 00653	90.2	93.73	0.03	14.87	78.24	156.72	19.72	69.10	13.72	1.36	8.06	1.04	3.86	0.51	1.11	0.07	0.52	0.06	35.81	2.98	6.72	258.54	558.21		1.81
SMDH 00653	129.5	139.15	0.03	18.38	115.39	233.01	29.61	102.15	19.72	1.55	12.14	1.60	5.79	0.71	1.30	0.10	0.41	0.08	55.99	4.30	5.31	214.91	704.35	4.70	1.61
SMDH 00653	127.5	129.21	0.05	24.06	105.37	214.73	26.96	94.41	17.75	1.15	12.48	1.41	6.43	0.98	1.59	0.21	0.83	0.08	49.87	4.33	5.78	229.37	776.99		
SMDH 00653	104.6	106.55	0.04	18.50	87.44	176.47	21.72	78.81	14.29	1.27	9.76	1.16	4.86	0.67	1.13	0.13	0.72	0.08	40.46	4.05	5.42	236.39	632.23		
SMDH 00653	176.7	181.38	0.05	31.92	148.80	301.63	37.92	133.24	23.85	1.30	17.25	2.10	8.12	1.04	1.93	0.22	1.03	0.26	70.72	7.68	6.37	253.41	829.17		1.75
SMDH 00653	164.9	173.13	0.04	26.35	142.52	291.15	36.16	128.04	24.44	1.60	15.77	1.93	7.00	1.01	1.59	0.15	0.62	0.14	69.36	6.48	4.95	207.21	936.30		
SMDH 00653	105.6	107.47	0.05	19.83	89.54	179.39	22.96	78.23	15.43	1.25	9.99	1.30	4.98	0.69	1.39	0.11	0.62	0.12	41.93	4.10	6.13	229.50	674.19	2.10	
SMDH 00653	134.8	143.25	0.04	19.83	123.77	254.46	30.01	106.43	20.01	1.78	12.37	1.39	5.43	0.82	1.29	0.12	0.52	0.13	48.73	3.84	5.66	252.06	640.38		
SMDH 00653	112.1	121.96	0.05	15.96	109.22	225.21	27.30	89.21	16.46	1.53	10.55	1.10	4.35	0.55	0.97	0.10	0.72	0.10	42.39	2.87	5.66	271.92	611.26		1.73
SMDH 00653	73.5	79.59	0.07	10.03	72.19	146.61	17.31	58.36	10.21	1.23	6.92	0.83	3.10	0.25	0.65	0.08	0.41	0.04	26.86	1.75	8.25	324.33	614.55		
SMDH 00653	92.6	94.79	0.09	16.32	81.74	165.13	19.84	69.56	13.73	1.35	8.40	0.95	4.43	0.58	1.21	0.15	0.83	0.11	31.28	2.44	10.61	446.71	733.30		
SMDH 00653	86.1	95.23	0.09	11.00	84.53	172.57	21.14	70.37	12.52	1.04	8.06	0.96	2.75	0.37	0.88	0.10	0.52	0.13	32.41	2.52	12.74	512.09	735.73	3.20	
SMDH 00652	94.1	75.97	0.11	32.28	60.90	127.35	15.49	54.08	8.52	1.32	6.81	0.90	5.50	1.00	3.18	0.52	3.30	0.36	22.44	1.71	8.25	361.61	759.82		
SMDH 00652	95.4	76.21	0.11	32.76	60.90	123.45	14.97	54.66	9.11	1.36	7.15	1.02	5.56	1.08	2.98	0.49	2.58	0.29	23.46	2.25	9.43	394.03	748.90		
SMDH 00652	110.0	91.58	0.13	35.30	77.31	154.90	18.64	65.75	10.41	1.80	7.38	1.17	6.03	1.27	3.01	0.55	2.89	0.45	27.99	2.73	8.37	384.17	870.77		1.37
SMDH 00652	95.0	87.80	0.11	24.66	79.41	156.97	19.17	63.67	12.79	1.66	8.17	1.00	3.96	0.91	1.91	0.32	2.38	0.34	29.81	2.23	7.43	309.06	734.17		
SMDH 00652	215.6	239.05	0.09	25.87	198.76	415.94	50.66	179.57	32.48	1.33	21.22	1.96	6.86	1.05	1.87	0.19	0.52	0.11	84.43	3.97	9.08	365.66	1069.44		
SMDH 00652	146.7	153.68	0.12	23.70	125.28	262.14	32.80	113.13	20.36	2.10	13.16	1.40	6.35	0.78	1.87	0.18	0.93	0.13	52.36	2.83	4.13	171.55	970.45		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00652	138.9	142.85	0.16	23.09	118.07	243.74	28.78	106.31	19.25	1.74	12.94	1.39	6.37	0.85	1.51	0.21	0.93	0.15	46.35	3.10	5.66	267.05	1134.10	1.80	1.46
SMDH 00652	182.0	194.98	0.12	25.87	166.27	328.32	40.69	145.37	26.41	1.89	18.04	1.66	7.26	1.07	1.78	0.15	0.62	0.09	65.96	4.20	2.00	83.34	1097.18		
SMDH 00652	79.1	74.57	0.10	18.01	64.85	132.84	15.65	54.54	9.03	2.19	6.92	0.80	3.57	0.59	1.26	0.19	0.93	0.12	24.14	1.57	1.89	85.10	676.79		
SMDH 00652	76.9	82.94	0.06	9.07	74.29	148.56	17.08	63.32	9.50	1.94	6.24	0.57	1.96	0.32	0.61	0.08	0.31	0.05	25.95	0.96	4.48	205.05	439.29		
SMDH 00668	87.2	83.20	0.08	19.71	69.74	138.81	16.61	61.36	9.03	0.92	7.72	0.88	4.34	0.72	1.75	0.25	1.65	0.21	27.77	2.00	8.96	381.47	428.54		1.52
SMDH 00668	60.1	55.12	0.10	16.08	48.90	106.03	12.03	38.60	7.02	0.97	5.22	0.76	3.73	0.53	1.39	0.21	1.34	0.17	21.31	1.85	7.43	305.96	512.10		
SMDH 00668	65.3	61.87	0.08	15.35	52.05	126.74	13.38	44.49	7.84	1.51	4.88	0.76	3.24	0.59	1.45	0.15	1.14	0.20	24.93	1.19	6.60	275.02	473.96		1.65
SMDH 00668	84.3	77.78	0.09	21.16	66.95	134.06	16.02	57.43	9.54	1.37	7.15	0.72	3.61	0.80	1.86	0.33	1.55	0.24	27.77	1.56	7.08	292.18	565.66	1.40	
SMDH 00668	70.2	67.20	0.07	15.35	59.85	116.87	14.03	49.46	7.08	1.63	6.81	0.81	2.90	0.57	1.22	0.16	1.24	0.15	22.44	1.11	5.54	243.55	488.00		
SMDH 00668	87.2	73.76	0.09	27.08	62.76	128.21	15.00	52.69	9.99	1.33	7.94	0.93	5.14	0.88	2.47	0.40	2.17	0.37	25.61	1.71	6.37	264.35	475.35		
SMDH 00668	160.3	120.86	0.18	61.66	100.95	201.57	23.73	84.12	16.95	1.51	12.94	1.92	11.09	2.09	5.46	0.88	4.75	0.74	34.91	2.52	7.43	338.78	638.99		1.76
SMDH 00668	143.8	111.59	0.16	54.52	99.55	197.43	23.44	77.88	15.30	1.15	10.10	1.54	8.72	1.79	4.57	0.76	4.23	0.70	38.53	2.34	9.20	404.29	590.80		
SMDH 00668	180.6	193.02	0.09	26.96	181.99	353.54	41.28	143.52	24.37	1.93	14.53	1.54	6.68	0.83	2.24	0.31	1.24	0.17	72.19	2.30	6.13	287.18	526.49	0.50	
SMDH 00668	129.4	144.62	0.08	15.96	143.80	283.83	32.79	106.08	20.38	1.62	10.55	1.14	4.62	0.58	1.35	0.13	0.62	0.06	57.80	2.05	7.19	314.20	579.88		
SMDH 00668	236.9	240.67	0.13	43.88	221.34	435.44	49.92	179.80	30.13	2.31	17.70	2.07	8.88	1.47	3.44	0.45	2.58	0.38	78.88	2.99	9.43	404.02	701.06		1.69
SMDH 00668	167.3	119.58	0.16	70.48	96.06	199.99	23.79	82.97	15.91	1.02	11.58	1.76	11.06	2.16	5.37	0.92	5.58	0.76	34.11	2.53	8.37	322.71	651.30		
SMDH 00669	130.5	103.69	0.14	45.82	84.07	172.45	20.42	74.30	12.31	1.42	9.87	1.32	7.65	1.40	4.49	0.66	3.92	0.50	31.96	2.30	16.51	734.16	664.65	1.64	
SMDH 00669	118.3	69.98	0.13	59.60	57.98	95.06	13.29	46.57	8.58	1.98	8.28	1.35	8.77	1.84	4.59	0.69	4.34	0.55	15.41	1.19	7.55	344.45	647.32		
SMDH 00669	102.2	56.68	0.12	54.89	44.36	87.75	10.49	36.98	7.45	1.12	6.01	1.10	8.11	1.73	5.00	0.70	4.13	0.60	12.35	0.93	5.54	255.44	587.33		
SMDH 00669	119.6	65.53	0.13	64.07	52.16	103.47	11.57	44.26	8.24	1.53	6.36	1.27	8.43	2.08	5.56	0.92	4.96	0.70	14.85	1.09	5.78	266.24	572.25	0.80	
SMDH 00669	117.6	65.77	0.14	62.38	53.68	108.83	12.10	44.26	7.11	1.57	6.24	1.17	8.25	2.10	5.52	0.90	5.27	0.70	15.19	1.15	5.90	268.13	699.50		1.72
SMDH 00669	95.6	73.27	0.11	34.33	60.90	130.77	13.32	53.04	7.94	1.36	5.79	0.93	5.98	1.26	2.95	0.38	2.58	0.45	20.40	1.38	5.66	265.03	521.63		
SMDH 00669	97.0	78.93	0.13	32.04	65.44	138.81	15.52	56.97	9.63	1.53	6.92	1.03	5.42	1.10	3.06	0.42	2.48	0.85	23.46	1.57	6.37	278.26	618.54		
SMDH 00669	95.1	81.25	0.13	27.68	66.60	141.49	15.62	59.63	8.90	1.75	7.26	0.84	5.16	1.13	2.63	0.32	2.07	0.46	24.03	1.52	14.74	711.20	624.26		
SMDH 00669	70.5	59.83	0.11	20.79	50.77	108.46	11.43	43.80	6.90	1.31	4.54	0.65	3.95	0.79	1.92	0.28	1.55	0.31	17.79	1.20	8.61	350.67	710.94	1.60	1.82
SMDH 00669	87.6	69.62	0.12	29.50	56.35	119.07	12.91	50.50	8.05	1.41	5.67	0.88	5.33	1.14	3.07	0.42	2.58	0.41	19.72	1.29	9.20	416.59	705.74		
SMDH 00669	87.6	69.62	0.12	29.50	56.35	119.07	12.91	50.50	8.05	1.41	5.67	0.88	5.33	1.14	3.07	0.42	2.58	0.41	19.72	1.29	9.20	416.59	705.74		
SMDH 00670	77.5	69.22	0.05	21.64	59.96	123.45	14.41	50.50	8.53	1.02	6.47	0.70	3.62	0.78	2.30	0.30	2.17	0.28	22.55	1.49	9.79	431.18	342.03		1.55
SMDH 00670	91.3	82.59	0.07	23.94	70.56	140.15	16.56	61.01	9.34	1.33	7.15	0.80	4.21	0.77	2.22	0.30	2.27	0.30	26.52	1.41	9.55	408.48	464.60		
SMDH 00670	74.5	68.06	0.09	19.46	59.38	124.67	14.16	49.80	8.49	1.16	5.67	0.61	3.50	0.78	1.91	0.24	1.45	0.31	24.71	1.46	7.67	355.26	445.18		
SMDH 00670	113.7	101.11	0.10	30.83	82.09	172.08	19.72	75.00	12.23	1.53	7.60	0.99	5.40	1.04	3.47	0.41	2.89	0.56	34.79	1.70	8.02	351.48	576.24		
SMDH 00670	127.7	114.23	0.11	34.82	91.05	198.65	22.56	84.36	12.37	1.25	8.97	1.02	6.29	1.25	3.36	0.53	3.72	0.62	42.50	1.82	5.90	284.07	444.14		1.65
SMDH 00670	194.3	186.83	0.15	44.01	152.30	311.50	38.68	138.67	21.80	2.12	13.05	1.50	7.98	1.60	4.52	0.74	4.54	0.69	65.28	2.36	9.67	414.43	640.03	3.00	
SMDH 00670	140.4	141.21	0.13	27.20	116.55	236.67	29.66	104.92	16.98	1.66	9.87	1.04	5.58	0.96	2.49	0.44	2.27	0.38	47.60	1.65	8.49	364.85	602.24		
SMDH 00670	138.8	133.87	0.13	30.71	108.29	223.14	27.58	99.26	16.18	1.82	9.87	1.12	5.90	1.06	2.93	0.45	2.68	0.39	44.65	1.81	9.20	390.92	640.55		
SMDH 00670	155.1	142.31	0.12	39.65	115.50	238.01	28.77	104.92	17.52	1.94	10.89	1.29	7.34	1.45	3.93	0.66	4.13	0.62	49.07	2.16	8.14	335.40	510.71		1.44
SMDH 00670	155.1	142.31	0.12	39.65	115.50	238.01	28.77	104.92	17.52	1.94	10.89	1.29	7.34	1.45	3.93	0.66	4.13	0.62	49.07	2.16	8.14	335.40	510.71		1.44
SMDH 00671	56.5	51.66	0.02	15.23	42.96	87.99	10.87	37.56	6.35	0.52	4.65	0.52	2.72	0.50	1.38	0.21	1.45	0.18	17.79	0.98	8.73	361.47	303.03		
SMDH 00671	88.7	83.11	0.04	21.04	66.25	135.64	16.41	62.17	9.70	1.01	6.81	0.76	3.77	0.71	1.99	0.33	1.76	0.23	26.86	1.41	11.44	462.65	449.17	0.38	
SMDH 00671	117.6	112.13	0.07	27.44	89.19	186.09	23.25	82.51	13.38	1.28	8.62	1.09	5.28	1.01	2.42	0.39	2.07	0.31	37.51	1.57	8.96	396.19	572.08		
SMDH 00671	125.3	120.02	0.07	29.50	98.27	203.28	25.24	88.05	14.34	1.01	9.53	1.16	5.57	1.03	2.51	0.40	2.38	0.35	41.03	1.84	10.02	442.93	512.10	2.40	
SMDH 00671	233.9	231.16	0.10	49.69	196.78	397.54	48.68	170.10	26.74	1.78	17.59	2.04	10.34	1.70	3.89	0.52	3.20	0.51	78.20	3.33	22.76	1002.02	697.24		
SMDH 00671	186.0	174.23	0.10	45.58	145.43	289.68	35.33	128.38	19.91	1.53	13.16	1.65	8.87	1.54	3.60	0.55	2.99	0.44	57.01	2.51	19.34	801.56	659.28		1.29
SMDH 00671	149.3	129.35	0.09	44.61	113.06	231.67	26.02	93.72	14.67	1.35	9.99	1.38	8.23	1.42	3.10	0.49	2.79	0.40	44.77	1.68	8.14	346.75	520.24		
SMDH 00671	159.5	138.60	0.09	47.39	127.38	249.22	28.14	99.72	14.99	1.63	10.55	1.48	9.25	1.58	3.30	0.50	2.68	0.47	46.58	1.70	7.78	317.71	504.64		
SMDH 00671	170.5	147.67	0.10	50.90	129.83	264.09	29.65	106.43	16.00	1.61	11.24	1.65	9.94	1.73	3.58	0.58	3.10	0.45	49.30	1.90	9.08	385.65	596.70	4.30	
SMDH 00671	186.4	180.02	0.11	40.14	158.93	325.64	35.65	134.39	19.48	1.91	12.94	1.60	8.39	1.40	3.01	0.48	2.68	0.45	61.65	1.74	9.32	393.35	703.83		1.52
SMDH 00671	149.5	139.31	0.12	37.11	126.10	247.03	28.35	102.73	15.77	1.38	9.87	1.25	6.98	1.27	2.86	0.52	2.68	0.42	48.05	1.65	12.38	513.17	736.42		
SMDH 00671	155.8	145.37	0.12	38.81	131.69	270.67	29.74	107.24	16.22	1.40	10.21	1.31	7.08	1.26	3.14	0.54	2.99	0.46	52.13	1.76	10.61	445.36	750.64		
SMDH 00671	194.1	185.14	0.13	44.73	156.96	333.44	37.67	137.05	22.50	1.93	14.41	1.71	8.71	1.58	3.76	0.62	3.72	0.61	69.25	2.58	13.44	585.57	828.65		
SMDH 00671	194.1	185.14	0.13	44.73	156.96	333.44	37.67	137.05	22.50	1.93	14.41	1.71	8.71	1.58	3.76	0.62	3.72	0.61	69.25	2.58	13.44	585.57	828.65		
SMDH 00672																									S.N.R.
SMDH 00672	70.0	61.03	0.06	20.43	52.28	115.78	12.28	44.49	7.53	0.83	5.67	0.72	3.54	0.78	1.93	0.32	2.17	0.25	20.97	1.53	11.09	484.53	793.98		
SMDH 00672	116.3	110.81	0.08	26.35	90.00	194.26	21.95	82.51	14.45	1.07	9.19	1.08	5.27	0.92	2.02	0.38	2.07	0.31	43.97	2.26	10.73	465.49	687.01	6.10	1.51
SMDH 00672	129.1	121.13	0.12	32.16	97.34	208.88	25.47	88.28	15.79	1.30	10.21	1.20	6.17	1.16	2.99	0.48	2.89	0.40	42.39	2.41	17.69	750.23	809.58		
SMDH 00672	197.3	197.23	0.12	40.02	158.24	334.65	41.61	145.37	25.57	1.62	16.00	1.73	8.52	1.51	3.74	0.56	3.51	0.59	74.12	3.03	12.03	482.91	813.74		
SMDH 00672	136.1	124.37	0.12	35.66	92.68	201.08	25.44	90.36	16.71	1.54	11.01	1.32	7.25	1.31	3.47	0.49	3.20	0.45	50.21	1.80	7.55	322.98	724.63		
SMDH 00672	65.9	64.61	0.06	13.54	51.00	109.07	13.53	47.72	8.07	1.26	5.11	0.60	2.76	0.51	1.25	0.17	1.14	0.14	22.44	0.85	7.43	302.17	485.05		1.61
SMDH 00672	83.8	87.84	0.07	13.18	72.19	151.97	18.64	65.40	10.93	1.42	6.81	0.71	3.08	0.45	1.05	0.15	0.83	0.12	34.79	1.02	7.31	302.58	648.18	2.60	
SMDH 00672	196.5	177.24	0.12	54.04	132.97	291.63	36.39	128.96	21.96	1.57	14.98	1.80	10.09	1.88	4.85	0.74	4.54	0.64	68.68	2.13	11.67	494.80	749.77		
SMDH 00672	140.2	132.18	0.13	34.09	102.00	225.46	27.55	96.03	18.09	1.44	11.58	1.40	7.20	1.31	2.91	0.42	2.58	0.36	53.38	1.72	11.91	509.25	769.71		
SMDH 00672	165.3	154.82	0.14	40.50	112.94	249.71	31.45	113.82	20.52	1.42	13.05	1.58	7.96	1.53	3.60	0.56	3.61	0.51	60.07	1.88	12.74	520.46	790.16		1.66
SMDH 00672	165.3	154.82	0.14	40.50	112.94	249.71	31.45	113.82	20.52	1.42	13.05	1.58	7.96	1.53	3.60	0.56	3.61	0.51	60.07	1.88	12.74	520.46	790.16		1.66
SMDH 00673	91.3	76.28	0.09	28.41	61.13	129.43	14.55	56.04	9.38	1.13	7.15	0.84	4.85	0.93	2.59	0.46	4.13	0.49	24.03	1.66	11.67	511.01	838.53		
SMDH 00673	80.6	69.52	0.09	24.54	60.43	126.74	14.42	50.04	8.92	0.95	6.70	0.81	4.25	0.81	2.43	0.34	2.38	0.28	24.03	1.68	9.08	406.73	757.40		
SMDH 00673	110.8	100.80	0.11	29.14	81.62	168.67	20.30	73.84	11.92	1.20	8.40	1.02	5.64	1.05	2.68	0.46	3.10	0.43	35.59	1.58	9.32	400.92	594.96		
SMDH 00673	66.5	56.84	0.11	19.71	46.34	90.55	11.19	41.60	6.91	1.20	4.77	0.59	3.46	0.70	2.15	0.33	2.17	0.29	18.36	0.98	7.31	285.96	530.99	4.00	
SMDH 00673	71.4	60.99	0.12	21.64	49.95	104.44	12.31	44.37	7.51	1.13	5.11	0.62	3.68	0.81	2.12	0.36	2.48	5.51	20.29	0.96	6.84	295.15	521.28		
SMDH 00673	42.6	39.25	0.11	10.16	34.35	66.91	8.11	28.89	4.53	1.26	3.06	0.38	1.88	0.36	0.96	0.16	1.24	0.21	13.03	1.04	9.20	399.30	697.76		1.61
SMDH 00673	65.2	61.64	0.15	14.75	52.86	106.03	12.41	45.64	7.07	1.26	4.77	0.57	3.02	0.51	1.25	0.21	1.45	0.20	21.08	1.54	5.90	249.49	618.54		
SMDH 00674	69.6	58.24	0.10	21.76	48.44	104.32	11.32	42.41	6.62	0.97	5.11	0.69	3.82	0.73	2.03	0.32	2.07	0.25	20.06	1.26	10.02	388.22	1430.20	1.04	1.47
SMDH 00674	83.3	69.87	0.13	25.75	56.35	119.80	13.44	50.61	9.47	1.12	6.70	0.85	4.96	0.95	2.57	0.49	2.58	0.31	22.33	1.54	11.09	469.40	1578.59		
SMDH 00674	118.9	110.60	0.15	29.14	86.74	181.22	22.15	81.47	12.93	1.34	8.85	1.10	5.88	1.08	2.90	0.50	2.89	0.42	37.29	2.20	12.62	509.39	1326.36		
SMDH 00674	90.4	77.80	0.13	26.96	63.57	119.92	15.62	56.51	9.78	1.30	6.70	0.85	4.82	1.00	2.59	0.42	2.79	0.41	23.91	1.60	6.13	245.04	524.58	4.40	
SMDH 00674	99.5	80.99	0.13	33.25	64.85	125.04	16.12	58.24	10.08	1.35	7.15	0.98	5.66	1.18	3.04	0.50	3.10	0.41	23.80	1.46	6.25	264.62	588.55		1.65
SMDH 00674	77.1	61.14	0.15	26.72	49.49	100.66	12.00	43.80	7.46	1.22	5.90	0.80	4.54	0.93	2.51	0.42	2.79	0.43	19.72	1.63	8.96	388.63	671.41		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00674	85.0	68.38	0.13	29.26	56.12	105.05	14.08	48.76	8.17	1.42	5.79	0.80	4.73	0.98	2.66	0.45	2.79	0.40	20.06	1.54	8.49	366.20	623.91		
SMDH 00674	87.2	70.00	0.09	29.62	54.38	105.17	14.16	50.38	8.34	1.71	5.79	0.70	4.76	1.04	2.94	0.55	3.10	0.59	21.42	1.37	5.31	216.40	372.54		
SMDH 00674	56.0	39.34	0.09	22.97	30.51	56.79	7.59	27.27	4.32	1.28	3.52	0.56	3.92	0.80	2.33	0.38	2.48	0.34	11.67	0.79	4.48	204.65	345.85	2.80	1.56
SMDH 00675	88.8	79.55	0.13	23.82	65.79	164.89	15.50	58.36	10.04	0.93	7.15	0.80	4.88	0.85	2.45	0.38	2.48	0.30	30.60	2.10	18.51	763.47	857.77		
SMDH 00675	51.7	41.19	0.16	17.77	32.83	148.32	8.05	29.35	5.15	0.82	4.20	0.59	3.21	0.65	1.86	0.30	2.27	0.27	19.15	1.62	8.37	341.89	750.46		
SMDH 00675	96.8	74.63	0.22	34.21	62.29	90.43	14.14	53.04	8.68	2.11	7.04	1.00	6.45	1.21	3.38	0.56	3.72	0.50	16.21	1.11	5.78	239.77	882.91		
SMDH 00675	95.7	68.06	0.14	39.41	58.80	89.70	13.71	48.07	7.59	1.99	6.47	0.93	5.35	1.17	3.16	0.50	3.10	0.41	17.45	0.87	5.42	230.18	572.08		
SMDH 00675	48.0	35.65	0.09	18.01	27.60	49.36	6.75	25.42	3.98	1.08	3.29	0.47	3.01	0.64	1.77	0.30	1.96	0.27	8.95	0.80	4.01	170.34	412.42		
SMDH 00675	73.1	57.56	0.13	25.99	47.51	91.65	11.93	40.79	6.42	1.46	5.22	0.73	4.11	0.87	2.65	0.40	2.48	0.43	19.83	1.65	9.67	430.36	666.38		1.59
SMDH 00675	41.5	30.37	0.09	15.84	24.22	44.60	5.82	21.49	3.56	1.09	2.95	0.41	2.64	0.54	1.60	0.27	1.86	0.26	8.95	1.06	6.84	283.53	497.19	3.50	
SMDH 00675	40.4	26.43	0.06	18.13	21.54	42.53	5.61	17.68	3.17	1.41	2.84	0.42	2.71	0.57	1.55	0.23	1.45	0.20	6.35	1.02	8.73	416.86	496.15		
SMDH 00675	78.8	65.70	0.10	27.08	54.72	115.04	15.19	45.30	7.65	1.26	5.79	0.76	4.45	0.93	2.17	0.42	2.27	0.28	18.59	1.98	7.31	327.70	534.46		
SMDH 00675	81.9	72.74	0.09	24.66	60.55	127.60	16.82	51.19	8.37	1.32	5.56	0.77	3.96	0.84	2.10	0.33	2.17	0.25	20.97	1.91	9.08	398.35	729.31		1.72
SMDH 00675	82.4	70.63	0.11	26.23	59.73	124.79	16.12	49.46	8.55	1.63	5.56	0.73	4.32	0.91	2.37	0.37	2.38	0.29	18.70	1.80	8.84	366.61	666.90		
SMDH 00675	82.4	70.63	0.11	26.23	59.73	124.79	16.12	49.46	8.55	1.63	5.56	0.73	4.32	0.91	2.37	0.37	2.38	0.29	18.70	1.80	8.84	366.61	666.90		
SMDH 00675	84.4	69.19	0.12	29.74	58.57	122.84	15.91	47.26	8.73	1.35	6.01	0.87	5.14	1.01	2.86	0.45	2.68	0.33	19.38	2.10	6.84	305.55	675.40	2.10	
SMDH 00676	78.5	73.60	0.07	18.50	57.17	129.30	14.23	54.31	8.55	0.65	6.58	0.71	4.35	0.61	1.83	0.27	1.96	0.23	26.41	1.61	12.97	563.15	503.95		1.58
SMDH 00676	123.7	114.40	0.11	31.43	89.66	204.98	23.90	82.62	13.92	1.73	9.65	1.35	6.53	1.21	3.19	0.40	2.99	0.34	38.65	2.43	18.16	771.31	757.40	1.28	
SMDH 00676	168.1	167.69	0.10	37.96	144.26	282.01	40.12	119.02	20.75	2.52	12.82	1.53	7.02	1.31	3.01	0.49	3.10	0.36	41.71	1.28	8.02	360.53	681.29		
SMDH 00676	120.7	113.14	0.09	31.43	89.07	190.60	25.55	80.66	13.04	1.69	8.62	1.10	5.83	1.12	2.83	0.49	3.10	0.39	34.11	1.05	6.60	297.72	680.95		1.63
SMDH 00676	117.0	101.53	0.13	37.24	79.87	170.25	23.19	71.18	11.64	1.45	8.17	1.03	6.13	1.33	3.65	0.60	3.51	0.53	31.05	1.15	9.79	445.22	728.62		
SMDH 00676	147.3	145.59	0.10	33.37	117.72	248.61	33.54	104.46	16.10	1.92	9.99	1.18	6.40	1.28	3.13	0.51	3.30	0.41	42.84	1.28	10.50	444.28	691.17		
SMDH 00676	137.2	123.64	0.10	36.87	102.35	219.61	24.93	91.17	15.07	1.63	9.53	1.24	6.30	1.27	3.32	0.58	3.20	0.52	42.50	1.27	9.91	456.30	605.71	1.40	
SMDH 00676	111.9	96.51	0.10	33.13	79.76	171.96	19.18	70.49	12.04	1.50	8.51	1.09	5.75	1.17	3.10	0.53	3.10	0.46	33.77	1.25	10.85	463.19	682.68		1.63
SMDH 00676	139.4	127.16	0.10	36.03	106.31	229.85	25.50	93.95	15.69	1.68	10.33	1.29	6.43	1.19	3.23	0.53	3.10	0.45	45.33	1.41	12.15	534.92	776.64		
SMDH 00676	134.1	113.86	0.12	41.83	94.78	203.40	23.12	82.85	14.19	1.54	9.87	1.26	6.62	1.40	3.93	0.71	4.03	0.60	41.03	1.40	10.26	454.27	794.67		
SMDH 00676	133.0	116.97	0.10	37.24	95.48	203.28	22.91	86.09	14.96	1.68	9.87	1.34	6.62	1.18	3.21	0.53	2.79	0.42	41.14	1.68	10.61	459.14	693.95		
SMDH 00676	95.1	86.85	0.09	24.06	71.72	148.07	17.41	64.13	11.95	1.57	7.38	0.88	4.43	0.76	1.92	0.33	1.86	0.29	29.24	1.30	8.84	397.68	686.15	3.20	1.69
SMDH 00676	49.3	46.28	0.09	10.64	39.59	81.90	9.44	34.20	5.61	1.83	3.63	0.42	2.21	0.34	0.96	0.16	0.83	0.21	14.96	0.83	9.20	392.68	894.70		
SMDH 00677	131.6	130.95	0.10	28.17	101.42	237.52	28.23	95.45	15.91	0.73	11.12	1.42	5.85	0.96	2.57	0.35	2.58	0.29	52.02	2.98	18.51	823.58	669.16		
SMDH 00677	120.2	105.22	0.13	35.54	82.79	173.18	22.20	74.88	13.26	1.61	9.42	1.34	6.79	1.34	3.46	0.52	3.82	0.43	34.34	2.03	10.26	425.64	867.31		
SMDH 00677	68.3	53.25	0.06	24.18	43.66	83.24	10.48	37.67	7.01	1.34	4.99	0.79	4.31	0.81	2.05	0.33	1.76	0.28	16.89	1.29	7.78	311.90	840.96		
SMDH 00677	57.7	51.84	0.05	16.80	42.03	86.89	11.85	35.94	6.84	0.87	5.11	0.67	3.38	0.62	1.47	0.22	1.34	0.14	16.77	1.24	7.31	308.39	790.68		
SMDH 00677	104.2	91.85	0.07	31.31	72.89	148.92	20.65	64.13	11.75	1.64	8.28	1.04	6.03	1.07	2.69	0.42	2.58	0.31	29.69	2.04	7.55	316.09	600.86		1.55
SMDH 00677	85.3	77.42	0.07	24.66	61.25	131.86	17.94	53.27	9.27	1.11	6.92	1.04	5.17	0.91	2.10	0.31	1.55	0.23	25.73	1.73	6.84	273.27	756.70	2.80	
SMDH 00677	112.5	104.32	0.09	31.55	81.04	176.95	24.37	72.68	13.82	0.98	8.97	1.18	6.08	1.08	2.54	0.45	2.38	0.30	34.79	2.11	7.55	311.63	702.79		
SMDH 00677	128.1	122.24	0.09	32.16	96.18	208.64	27.58	87.01	15.65	1.23	11.12	1.25	6.40	1.22	2.90	0.44	2.58	0.36	42.16	2.11	8.14	348.78	752.89		
SMDH 00677	122.1	111.87	0.10	34.45	90.70	192.31	25.41	78.92	14.18	1.17	9.65	1.25	6.29	1.31	3.22	0.53	2.79	0.41	38.08	1.96	9.55	402.67	789.30		1.78
SMDH 00678	66.2	57.38	0.05	19.46	42.62	93.23	11.46	41.48	6.43	0.83	5.33	0.77	3.67	0.76	1.88	0.33	2.07	0.24	19.04	1.38	10.97	456.98	424.90		1.62
SMDH 00678	59.1	49.81	0.05	19.34	41.92	93.23	10.88	35.13	6.96	0.85	4.77	0.62	3.18	0.75	2.13	0.29	1.96	0.22	19.72	1.36	10.14	439.01	382.25		
SMDH 00678	81.4	72.70	0.07	23.94	59.85	128.69	16.30	50.61	9.77	1.05	6.47	0.87	4.92	0.88	2.13	0.34	1.96	0.43	23.91	1.62	10.14	441.98	511.58		
SMDH 00678	79.6	68.19	0.08	25.63	56.94	109.93	15.47	47.72	8.30	1.27	6.01	0.76	4.24	0.94	2.30	0.39	2.27	0.31	19.38	1.05	5.78	239.90	503.78	2.50	
SMDH 00678	87.8	71.16	0.10	30.34	58.92	117.60	15.30	50.15	9.76	1.59	6.70	0.79	4.92	0.98	2.85	0.40	3.10	0.43	21.87	1.10	6.37	303.79	650.44		
SMDH 00678	105.7	85.65	0.10	37.36	72.07	153.19	18.46	60.20	10.61	1.16	7.49	1.09	5.90	1.28	3.86	0.62	3.92	0.61	29.13	1.30	10.73	491.42	598.95		1.43
SMDH 00678	102.2	81.18	0.09	36.75	67.18	137.71	17.00	58.01	9.40	1.25	6.47	0.88	5.29	1.23	3.73	0.60	4.03	0.56	26.29	1.15	6.84	320.27	663.61		
SMDH 00678	13.9	10.22	0.06	4.35	9.55	17.43	2.07	7.28	1.21	1.41	0.91	0.10	0.77	0.19	0.46	0.07	0.52	0.12	1.93	0.35	10.26	474.27	666.56		
SMDH 00678	18.2	12.06	0.06	7.13	11.06	21.81	2.48	8.32	1.44	1.44	1.02	0.17	1.09	0.25	0.67	0.11	0.93	0.14	2.83	0.40	8.84	404.97	691.70	2.10	
SMDH 00678	17.7	10.26	0.08	8.34	9.20	17.67	2.10	6.93	1.40	1.16	0.91	0.16	1.07	0.26	0.94	0.17	1.14	0.17	2.15	0.44	10.97	479.67	853.26		1.55
SMDH 00678	51.7	20.24	0.13	34.09	15.37	29.49	3.81	11.90	2.14	1.13	1.82	0.45	4.08	1.10	3.76	0.59	4.03	0.66	4.08	0.58	12.03	540.32	879.09		
SMDH 00679	98.8	78.25	0.11	34.58	61.48	129.79	15.36	55.93	9.53	1.36	7.04	1.15	5.81	1.37	3.50	0.56	2.99	0.33	24.93	1.88	14.15	646.49	821.54	1.22	
SMDH 00679	111.9	90.02	0.14	38.57	73.35	159.41	18.26	63.90	12.66	1.62	8.51	1.30	6.56	1.44	3.90	0.62	4.13	0.45	29.92	2.37	14.39	609.08	979.12		
SMDH 00679	100.4	77.37	0.14	37.48	62.88	133.93	16.01	53.96	9.11	1.55	7.94	1.07	6.33	1.23	3.74	0.60	3.82	0.55	24.93	2.30	15.45	624.20	894.35		
SMDH 00679	138.6	113.60	0.14	46.79	88.72	181.83	23.58	80.54	15.03	1.82	10.44	1.45	8.03	1.49	4.41	0.66	4.44	0.69	38.31	2.95	19.22	834.66	972.71		
SMDH 00679	180.7	174.71	0.08	39.77	150.20	324.29	35.23	129.19	22.25	1.44	14.75	1.62	8.68	1.39	3.52	0.54	2.99	0.48	59.95	3.97	27.48	1309.74	625.65	2.20	1.54
SMDH 00679	90.5	85.11	0.07	21.40	68.70	157.82	16.83	62.28	9.98	0.82	8.06	1.02	4.97	0.82	2.13	0.31	2.07	0.26	30.15	1.74	8.02	380.52	390.40		
SMDH 00679	59.5	45.51	0.12	21.52	36.79	74.58	8.67	32.47	5.39	1.09	4.31	0.61	3.76	0.66	1.89	0.29	1.76	0.25	12.47	1.04	5.66	263.14	529.09		
SMDH 00679	41.8	21.52	0.22	22.61	14.09	24.50	3.31	14.56	2.93	0.95	3.29	0.54	3.11	0.70	1.87	0.30	1.65	0.24	2.15	0.37	2.48	113.20	643.68		
SMDH 00679	85.8	79.98	0.09	20.67	69.74	146.12	16.13	58.47	9.86	1.28	7.49	0.93	4.45	0.71	1.61	0.25	1.14	0.21	25.50	3.19	7.19	332.43	633.79		1.31
SMDH 00679	79.1	73.53	0.09	19.34	64.85	134.18	14.97	53.50	9.32	1.18	6.92	0.85	4.21	0.69	1.50	0.22	1.34	0.17	21.99	3.19	8.02	356.07	756.36	4.00	
SMDH 00679	90.8	83.60	0.16	23.33	72.07	146.85	17.15	60.44	9.89	1.02	8.28	1.06	4.95	0.85	2.06	0.31	1.96	0.33	23.01	3.48	11.44	506.41	806.80		
SMDH 00679	62.1	59.35	0.06	13.54	51.70	110.78	12.35	43.56	7.05	1.60	5.22	0.65	2.79	0.44	1.19	0.15	0.93	0.19	19.04	1.82	7.55	354.59	605.71		
SMDH 00679	95.4	82.89	0.10	29.26	73.59	143.44	18.05	58.01	10.45	1.31	8.17	1.08	5.76	0.95	2.64	0.39	2.17	0.28	25.73	2.79	10.50	454.14	737.46		1.44
SMDH 00679	118.3	103.18	0.10	34.70	86.16	171.10	20.84	74.07	13.91	1.30	9.31	1.27	6.99	1.14	2.97	0.46	2.68	0.34	30.03	3.27	9.91	436.31	718.39		
SMDH 00679	103.2	81.75	0.13	37.36	71.38	138.32	16.84	57.55	10.85	0.89	7.83	1.14	6.23	1.33	3.70	0.59	3.82	0.49	23.57	2.61	9.79	441.44	793.46	1.05	
SMDH 00679	26.1	22.17	0.07	7.13	21.54	40.58	4.87	15.72	2.66	1.64	2.04	0.29	1.30	0.22	0.75	0.13	0.72	0.10	6.12	0.70	8.02	389.03	621.49		
SMDH 00679	88.0	91.57	0.09	15.11	81.74	163.18	19.84	67.37	11.89	1.18	7.83	0.88	3.47	0.53	1.20	0.17	1.03	0.13	29.92	2.26	60.38	2996.07	891.58		1.43
SMDH 00679	99.3	91.00	0.10	26.35	77.31	155.26	19.14	65.17	11.12	1.11	9.08	1.04	5.64	0.90	2.44	0.34	2.48	0.32	27.65	3.11	12.62	546.94	740.24		
SMDH 00679	92.5	73.70	0.09	33.25	64.04	125.53	15.90	51.08	10.24	1.50	7.38	1.06	5.67	1.11	3.04	0.47	2.68	0.35	21.19	3.36	9.91	443.20	643.33		
SMDH 00679	104.1	80.84	0.12	37.96	68.93	137.47	16.61	56.85	10.84	1.91	7.83	1.11	6.26	1.22	3.46	0.55	3.30	0.43	22.55	3.98	9.32	408.62	640.55	1.01	
SMDH 00679	118.8	102.19	0.09	35.78	89.19	178.54	21.06	72.57	13.58	1.84	9.42	1.35	7.21	1.27	3.23	0.47	2.99	0.36	27.88	5.83	8.14	341.08	467.54		1.68
SMDH 00679	90.1	73.76	0.09	29.74	65.44	127.23	15.20	52.00	9.59	1.80	7.15	1.08	5.48	1.01	2.88	0.45	2.89	0.35	21.42	3.55	9.08	386.87	591.32		
SMDH 00679	82.7	65.72	0.11	28.65	58.45	116.26	13.35	46.11	8.38	1.72	6.70	0.86	5.40	0.98	2.70	0.38	2.68	0.31	19.04	3.47	8.25	334.73	629.29		
SMDH 00679	94.4	74.40	0.10	33.49	65.55	131.01	14.91	52.35	9.70	1.40	7.60	1.04	6.09	1.13	3.00	0.50	2.79	0.34	21.31	3.55	9.32	405.92	616.28		
SMDH 00679	98.6	82.18	0.12	31.67	70.91	142.34	16.56	58.82	10.57	1.33	7.49	1.06	5.74	1.14	2.70	0.45	2.79	0.33	25.16	2.95	11.32	492.91	672.45	0.62	1.75
SMDH 00679	116.8	101.07	0.12	35.06	90.35	178.66	20.82	72.45	12.52	1.44	8.97	1.22	6.58	1.28	3.17	0.50	3.10	0.37	31.39	3.64	10.14	427.66	719.95		
SMDH 00680	112.4	102.73	0.09	29.01	82.20	174.03	20.53	75.80	13.08	1.23	8.97	1.08	5.32	1.05	3.03	0.40	2.68	0.29	35.25	2.42	16.39	714.84	653.90		1.47

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00680	140.3	119.53	0.15	42.43	92.33	197.06	23.06	88.05	13.74	1.35	9.87	1.18	7.24	1.35	4.45	0.69	4.85	0.52	44.65	1.86	10.85	472.78	650.09		
SMDH 00680	68.4	62.66	0.09	16.80	54.38	112.61	12.96	46.11	8.17	1.89	5.11	0.57	3.02	0.58	1.51	0.22	1.45	0.17	21.08	0.61	5.31	232.74	524.58		
SMDH 00680	84.4	69.84	0.12	27.56	61.13	123.94	14.49	50.04	8.96	1.44	6.24	0.84	4.47	0.98	2.68	0.46	2.68	0.31	24.82	1.16	7.55	338.24	614.20		
SMDH 00680	81.3	72.60	0.13	21.88	61.36	126.74	14.69	53.16	9.69	1.46	5.56	0.77	3.99	0.73	2.11	0.36	2.27	0.27	26.97	1.10	8.61	382.28	626.86		1.46
SMDH 00680	103.8	96.94	0.13	25.87	84.88	174.15	20.31	71.41	12.90	1.26	8.74	0.90	4.32	0.98	2.66	0.44	2.58	0.31	37.51	1.69	10.50	439.01	712.84	1.11	
SMDH 00680	175.0	152.87	0.20	51.26	122.96	260.92	30.86	111.63	19.73	1.70	12.94	1.58	8.80	1.82	5.41	0.87	6.09	0.72	59.61	2.59	9.67	409.29	676.96		
SMDH 00680	157.7	134.40	0.22	49.32	110.50	233.62	27.46	97.41	18.32	1.42	12.26	1.45	8.09	1.63	5.05	0.84	5.16	0.62	52.93	2.64	10.02	429.15	756.36	0.88	1.51
SMDH 00680	196.6	176.35	0.20	54.52	140.65	299.43	35.94	129.19	23.37	1.66	16.23	1.80	9.42	1.86	5.49	0.93	5.68	0.67	71.06	3.74	8.96	382.28	759.30		1.49
SMDH 00680	223.3	172.11	0.26	83.42	133.32	283.71	34.00	123.53	22.95	1.75	15.43	1.99	12.60	2.85	9.19	1.60	10.53	1.26	70.15	2.84	7.43	313.52	610.22		
SMDH 00680	136.0	124.09	0.14	34.94	100.72	211.69	24.79	92.10	14.96	1.75	11.01	1.16	6.04	1.24	3.61	0.58	6.92	0.81	49.41	2.10	8.84	367.42	681.64	0.62	
SMDH 00664	114.7	83.39	0.19	44.37	62.41	134.91	14.93	59.74	10.27	1.84	8.17	1.18	7.53	1.67	4.49	0.69	4.75	0.51	23.91	2.03	9.32	420.10	1257.01		
SMDH 00664	109.6	82.65	0.14	42.19	67.18	140.64	16.85	57.89	10.58	1.64	8.06	1.18	6.72	1.54	4.33	0.57	4.23	0.46	27.31	2.31	15.45	715.65	965.25	1.42	
SMDH 00664	115.7	88.53	0.15	42.68	70.44	146.61	16.94	63.32	10.65	1.42	8.06	1.16	7.11	1.47	4.21	0.65	4.34	0.51	27.31	2.12	14.27	593.14	953.29		
SMDH 00664	133.2	114.82	0.14	40.74	100.72	204.13	23.56	82.39	15.91	1.23	10.33	1.32	7.55	1.41	3.93	0.62	4.03	0.47	37.06	3.45	12.50	568.55	826.74		1.51
SMDH 00664	51.6	38.54	0.11	19.10	33.53	65.44	7.29	27.96	4.43	1.23	3.29	0.49	2.80	0.65	1.85	0.30	2.17	0.25	11.22	1.32	7.67	340.94	669.33		
SMDH 00664	27.3	18.56	0.07	10.16	17.70	32.30	3.49	13.40	2.69	2.04	1.48	0.22	1.44	0.32	0.86	0.15	0.93	0.10	4.08	0.69	6.60	298.66	426.46		
SMDH 00664	40.6	28.79	0.09	15.96	24.34	50.58	5.16	20.80	3.07	1.02	2.38	0.37	2.46	0.53	1.65	0.28	2.07	0.22	7.82	1.01	9.32	417.94	456.45	1.49	
SMDH 00664	117.5	92.85	0.14	41.47	80.81	164.52	18.17	66.10	12.11	1.36	8.85	1.27	7.31	1.46	3.92	0.59	3.82	0.42	28.33	3.79	6.72	280.29	669.16		1.19
SMDH 00664	109.4	84.31	0.13	39.29	73.24	144.54	15.94	59.86	10.24	1.73	8.62	1.22	7.30	1.44	3.71	0.56	3.61	0.39	24.71	3.69	8.49	352.83	573.29		
SMDH 00664	68.3	53.47	0.09	24.54	48.32	95.30	10.65	38.25	6.20	0.90	4.99	0.65	3.92	0.87	2.57	0.42	2.68	0.29	17.00	1.74	8.96	386.19	428.89		
SMDH 00663	96.6	73.76	0.13	35.30	57.40	123.09	13.82	53.04	7.86	1.34	7.15	0.99	5.91	1.25	3.64	0.49	3.72	0.40	23.69	1.94	12.97	576.79	925.55		1.09
SMDH 00663	88.2	75.59	0.06	26.23	61.59	134.54	14.73	55.24	9.36	1.06	7.49	0.98	4.65	0.90	2.57	0.36	2.79	0.30	26.86	1.86	13.92	640.28	510.19		
SMDH 00663	77.2	69.76	0.06	20.31	59.85	127.35	13.65	51.42	8.42	0.82	6.70	0.85	3.84	0.79	1.82	0.29	1.65	0.18	23.91	1.51	8.49	361.88	319.15		
SMDH 00663	123.6	104.74	0.13	37.72	90.94	183.54	20.15	76.61	13.67	1.26	9.87	1.19	6.78	1.34	3.37	0.54	3.30	0.36	36.04	2.46	15.45	670.54	650.44	1.23	1.60
SMDH 00663	100.1	91.09	0.10	25.75	77.55	161.23	17.61	67.37	11.55	0.90	7.38	1.02	5.08	0.96	2.28	0.39	2.17	0.23	31.28	2.17	16.27	692.69	494.07		
SMDH 00663	129.1	124.42	0.09	27.93	107.70	218.02	24.43	93.14	15.69	1.14	10.78	1.18	5.67	1.06	2.57	0.46	2.48	0.27	43.07	2.29	10.14	425.77	402.36		
SMDH 00663	62.5	50.95	0.12	21.04	44.01	101.52	10.47	36.05	6.92	0.95	4.88	0.64	3.78	0.75	2.06	0.33	2.17	0.26	18.36	1.05	4.95	213.02	434.61		
SMDH 00663	46.5	36.79	0.09	16.44	31.32	67.52	7.31	26.35	4.46	0.61	3.75	0.50	2.63	0.51	1.37	0.29	1.55	0.18	12.92	0.83	3.42	158.72	369.60		1.60
SMDH 00663	284.9	294.96	0.11	49.32	250.57	561.45	60.80	219.55	36.92	1.45	24.85	2.72	11.89	1.74	4.21	0.57	3.51	0.42	114.47	5.06	10.02	432.39	468.06	1.42	
SMDH 00663	284.9	294.96	0.11	49.32	250.57	561.45	60.80	219.55	36.92	1.45	24.85	2.72	11.89	1.74	4.21	0.57	3.51	0.42	114.47	5.06	10.02	432.39	468.06	1.42	
SMDH 00662	90.8	79.06	0.13	26.23	62.99	135.03	15.61	57.43	10.42	1.12	8.06	0.99	5.03	0.95	2.51	0.39	2.27	0.25	25.84	2.18	11.09	469.94	714.75		
SMDH 00662	48.3	30.49	0.20	22.24	19.33	37.90	5.35	21.15	4.96	0.95	4.88	0.73	3.26	0.70	1.92	0.23	1.34	0.15	5.33	0.85	2.36	110.77	663.26		
SMDH 00662	28.0	16.84	0.23	13.42	10.13	20.47	2.89	11.21	3.05	0.58	2.72	0.39	2.35	0.44	1.20	0.16	0.93	0.11	2.04	0.40	1.89	91.04	559.94		
SMDH 00662	42.2	24.81	0.38	20.67	14.09	29.13	4.10	16.76	4.38	0.80	3.97	0.65	3.31	0.75	1.87	0.28	1.65	0.19	3.17	0.31	1.53	68.89	823.79		
SMDH 00662	42.2	24.81	0.38	20.67	14.09	29.13	4.10	16.76	4.38	0.80	3.97	0.65	3.31	0.75	1.87	0.28	1.65	0.19	3.17	0.31	1.53	68.89	823.79		
SMDH 00661	119.9	112.77	0.09	27.81	86.40	213.76	21.96	83.32	13.28	1.24	9.53	1.15	6.35	1.06	2.94	0.42	2.89	0.31	39.78	2.58	17.22	747.67	658.93	0.74	1.51
SMDH 00661	126.8	116.90	0.09	32.40	92.68	213.52	23.87	85.40	14.08	1.32	10.78	1.18	6.46	1.15	3.46	0.40	3.10	0.34	41.37	2.74	14.62	687.83	685.28		
SMDH 00661	87.2	93.31	0.08	11.85	84.07	178.05	19.43	70.37	10.67	1.47	7.04	0.65	2.85	0.43	1.02	0.13	0.72	0.08	37.40	0.82	5.31	230.45	589.76		1.61
SMDH 00661	86.9	97.18	0.06	8.10	88.26	169.52	19.97	74.65	10.78	1.62	6.36	0.54	2.02	0.27	0.66	0.06	0.41	0.05	38.19	0.72	6.84	296.10	481.76		
SMDH 00660	56.7	50.21	0.10	16.08	39.24	141.61	10.13	35.94	6.58	0.57	4.77	0.62	3.52	0.66	1.84	0.28	1.86	0.20	21.53	2.23	12.03	521.41	518.16		
SMDH 00660	73.6	61.12	0.16	22.97	47.51	132.59	11.83	44.14	7.82	1.30	5.79	0.67	4.48	0.89	2.54	0.42	2.58	0.28	22.67	1.65	8.84	370.93	614.55		
SMDH 00660	130.8	100.40	0.13	48.96	88.61	120.29	20.15	72.11	11.96	1.63	10.10	1.18	6.96	1.42	3.95	0.63	3.41	0.41	25.95	1.43	9.32	398.49	445.18	1.51	
SMDH 00660	60.8	55.07	0.07	16.56	51.00	92.38	11.61	40.33	6.61	0.79	4.65	0.50	2.62	0.59	1.64	0.23	1.76	0.20	22.10	1.20	4.48	202.48	406.87		
SMDH 00660	61.6	62.12	0.07	11.61	57.87	108.46	13.36	46.34	7.99	1.23	4.65	0.49	1.93	0.38	1.18	0.17	1.14	0.12	19.04	0.93	4.48	183.98	419.87		1.70
SMDH 00660	48.8	44.15	0.08	12.81	41.10	82.51	9.35	32.24	5.44	1.15	3.52	0.38	2.19	0.38	1.07	0.18	1.24	0.14	16.43	0.82	4.60	198.03	429.41		
SMDH 00659	75.7	67.63	0.14	20.55	52.51	145.76	13.16	49.69	7.98	0.71	5.79	0.80	3.98	0.77	2.28	0.31	2.27	0.25	27.54	2.09	15.21	645.28	807.50		1.42
SMDH 00659	73.1	64.47	0.15	20.55	51.00	119.07	12.83	46.45	7.81	0.93	5.45	0.75	4.44	0.80	2.07	0.30	2.27	0.25	25.05	1.78	12.38	570.04	943.41	2.25	
SMDH 00659	87.7	77.68	0.16	24.30	62.76	145.15	15.44	56.97	10.00	1.17	7.15	0.92	4.35	0.88	2.19	0.37	2.48	0.27	24.82	1.66	7.67	348.64	799.00		
SMDH 00659	93.1	78.71	0.16	29.62	73.35	135.52	16.58	56.85	10.32	1.33	7.49	0.95	4.33	1.02	2.97	0.40	2.99	0.33	23.23	1.62	8.96	392.68	661.01	2.46	
SMDH 00659	82.0	67.68	0.15	26.60	58.57	108.59	13.56	48.76	8.03	1.27	5.67	0.84	4.52	0.81	2.46	0.42	2.48	0.27	20.40	1.27	4.95	234.36	568.96		1.67
SMDH 00659	88.2	74.50	0.16	28.05	62.53	129.91	15.50	53.62	9.82	1.20	7.04	0.81	4.56	1.02	2.91	0.41	2.79	0.31	23.80	1.50	10.50	488.58	666.73		
SMDH 00659	82.7	67.55	0.13	27.93	57.64	115.53	14.08	47.96	9.01	1.33	7.04	0.88	4.63	0.89	2.33	0.37	2.27	0.26	20.74	2.51	6.37	284.21	640.03		
SMDH 00659	82.2	71.34	0.14	24.90	64.16	123.09	15.16	51.31	8.45	1.16	6.01	0.83	4.05	0.82	2.36	0.41	2.79	0.30	22.89	1.17	12.85	584.22	599.64		
SMDH 00659	94.6	82.03	0.13	27.93	71.72	135.88	16.81	59.74	10.22	1.50	7.04	0.91	4.57	0.96	2.63	0.44	3.10	0.34	25.27	1.48	6.84	304.34	614.20	1.73	1.71
SMDH 00659	78.1	64.27	0.13	25.87	51.58	104.56	13.25	45.41	8.70	1.17	6.81	0.93	4.67	0.89	2.55	0.42	2.79	0.32	17.23	1.31	7.43	298.12	538.10		
SMDH 00658	102.4	93.54	0.13	26.11	71.84	155.51	18.41	69.80	11.13	1.18	7.38	0.92	4.42	0.95	2.66	0.38	2.27	0.25	31.73	2.00	13.80	601.24	1162.88		
SMDH 00658	70.4	58.67	0.09	22.24	49.02	100.42	11.70	42.06	7.11	1.21	5.33	0.75	4.16	0.91	2.38	0.36	2.48	0.26	18.36	1.32	11.67	511.95	797.44		
SMDH 00658	99.7	80.68	0.16	33.97	67.30	135.40	16.26	57.66	9.82	1.27	6.81	0.94	5.81	1.11	2.98	0.49	3.20	0.36	24.03	1.66	11.09	485.88	822.93		
SMDH 00658	65.3	53.55	0.13	21.52	47.04	95.18	11.17	37.79	5.70	1.37	4.88	0.64	3.95	0.67	1.98	0.31	2.07	0.23	16.43	1.34	7.43	309.06	482.28		
SMDH 00658	77.4	68.05	0.16	21.76	60.08	119.92	13.77	49.34	7.80	1.37	5.33	0.76	4.18	0.79	2.19	0.35	2.79	0.31	20.51	1.60	6.96	308.66	672.45		1.63
SMDH 00658	88.9	80.58	0.16	23.57	71.03	141.98	16.49	58.93	9.72	1.28	6.70	0.79	4.36	0.77	2.28	0.40	2.58	0.29	24.59	2.26	7.55	319.60	691.35	1.21	
SMDH 00658	82.3	76.24	0.12	21.16	68.00	136.25	16.52	55.24	9.42	1.43	6.47	0.78	3.71	0.68	1.90	0.33	2.17	0.24	24.93	2.22	6.72	288.53	612.12		
SMDH 00658	82.3	76.24	0.12	21.16	68.00	136.25	16.52	55.24	9.42	1.43	6.47	0.78	3.71	0.68	1.90	0.33	2.17	0.24	24.93	2.22	6.72	288.53	612.12		
SMDH 00657	110.5	103.67	0.09	26.48	78.01	174.03	20.48	76.27	12.84	0.86	9.19	1.22	5.70	0.92	2.53	0.36	2.38	0.26	45.33	2.20	12.38	574.77	574.33		1.50
SMDH 00657	66.7	61.67	0.09	16.08	47.97	116.51	11.95	45.64	6.91	0.95	5.79	0.76	3.32	0.56	1.84	0.21	1.55	0.15	23.91	1.41	15.45	735.24	728.79		
SMDH 00657	46.1	45.61	0.06	8.46	43.08	86.53	9.59	34.09	4.96	1.60	3.52	0.34	1.59	0.30	0.72	0.10	0.72	0.08	16.32	0.73	9.43	411.59	602.94		
SMDH 00657	94.0	106.66	0.06	9.43	96.41	198.28	23.79	79.62	12.53	1.65	7.49	0.76	2.50	0.33	0.72	0.07	0.52	0.06	40.46	1.21	10.26	450.63	739.19		1.58
SMDH 00657	127.6	131.74	0.07	21.40	111.08	231.67	27.23	98.34	16.45	1.64	11.24	1.23	4.95	0.76	1.87	0.31	1.86	0.21	52.25	1.68	8.96	370.79	565.66		
SMDH 00657	162.9	152.36	0.12	40.14	121.21	253.85	31.03	111.51	21.65	1.46	15.43	1.81	8.00	1.40	3.77	0.64	3.82	0.44	57.69	2.28	14.27	620.29	812.35	0.68	
SMDH 00657	128.8	130.63	0.09	24.78	111.66	227.77	28.00	95.91	16.33	1.42	11.58	1.24	5.48	0.93	2.27	0.37	2.38	0.27	48.28	1.59	10.73	450.63	664.65		
SMDH 00657	120.5	108.82	0.09	32.88	90.24	186.70	22.79	78.69	13.91	1.61	9.99	1.17	6.16	1.05	3.27	0.56	3.41	0.40	39.10	1.90	10.97	452.38	843.04		1.60
SMDH 00688	119.4	102.67	0.08	34.58	77.66	170.62	18.82	76.96	11.74	0.98	8.17	1.19	5.70	1.21	3.53	0.48	2.89	0.29	34.34	1.77	20.87	971.09	638.47	0.87	
SMDH 00688	109.7	94.75	0.09	31.07	71.03	164.65	17.30	70.72	10.57	1.21	7.83	1.10	5.63	1.11	2.99	0.45	2.79	0.28	33.89	1.50	11.67	553.15	579.71		
SMDH 00688	71.5	63.24	0.05	20.31	50.77	101.03	12.89	46.11	7.35	0.84	5.22	0.71	3.53	0.65	1.72	0.28	1.76	0.20	19.38	0.71	7.55	312.71	346.19		
SMDH 00688	118.5	111.78	0.08	28.77	88.26	182.56	23.42	80.89	12.90	1.34	9.76	1.15	6.33	1.02	2.30	0.37	2.17	0.25	36.04	1.42	9.67	417.26	582.48		
SMDH 00688	109.8	104.92	0.08	25.39	84.88	176.35	21.76	76.73	12.83	1.27	9.76	1.10	5.34	0.84	2.02	0.30	1.55	0.17	33.09	1.25	7.43	306.63	574.33	0.94	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00687	84.8	70.11	0.07	26.35	55.89	120.16	12.79	51.88	8.50	1.08	6.24	0.80	4.63	0.92	2.86	0.38	2.68	0.26	23.69	1.70	18.63	870.73	772.31		1.52
SMDH 00687	24.8	19.28	0.04	8.22	16.77	34.12	3.82	13.98	2.47	1.08	1.93	0.23	1.25	0.28	0.86	0.13	0.83	0.08	5.44	0.60	7.78	406.32	489.21		
SMDH 00687	14.5	10.11	0.03	5.80	9.43	17.55	2.19	6.82	1.35	0.76	1.13	0.18	0.92	0.15	0.51	0.11	0.52	0.06	2.27	0.73	12.38	575.44	714.92		1.71
SMDH 00687	42.1	17.97	0.04	26.35	14.44	29.49	3.45	10.63	2.40	1.23	2.27	0.41	3.48	0.89	2.86	0.55	4.03	0.48	4.76	1.14	6.60	279.75	347.23		
SMDH 00687	64.4	42.74	0.08	29.50	35.05	71.05	8.79	29.70	4.58	0.97	3.86	0.50	3.74	0.94	3.17	0.54	3.61	0.44	12.58	1.19	10.14	415.78	617.15		
SMDH 00687	41.0	25.02	0.09	19.71	20.26	39.73	4.84	16.41	2.72	1.09	2.84	0.44	3.33	0.71	1.87	0.32	1.86	0.23	6.46	0.66	8.84	373.90	723.59		
SMDH 00687	46.5	33.53	0.08	18.38	27.94	56.06	6.55	23.69	3.79	1.17	2.84	0.42	2.86	0.61	1.92	0.35	2.17	0.27	9.75	0.90	10.14	422.67	697.94	0.32	1.75
SMDH 00687	102.2	97.31	0.10	24.06	85.58	175.25	20.59	71.41	11.55	1.43	6.92	0.83	4.48	0.88	2.52	0.41	2.68	0.32	32.87	1.62	11.20	466.16	770.05		
SMDH 00687	137.8	120.89	0.13	41.47	102.00	212.54	25.83	86.90	15.29	1.27	9.65	1.25	6.91	1.39	4.40	0.70	4.34	0.52	40.57	2.48	12.50	531.81	847.72		
SMDH 00686	60.3	59.60	0.05	11.73	51.12	109.56	12.08	44.60	6.76	1.02	4.65	0.50	2.41	0.44	1.20	0.14	0.93	0.09	23.12	0.76	4.72	233.96	393.17		
SMDH 00686	66.4	59.38	0.06	16.56	49.37	105.05	10.84	44.72	5.71	1.27	3.75	0.57	3.24	0.58	1.90	0.28	1.86	0.18	21.08	0.76	6.01	291.37	550.76	0.84	1.52
SMDH 00686	80.9	66.63	0.10	27.93	58.33	114.44	14.32	47.38	7.62	0.68	5.11	0.69	4.24	0.96	2.91	0.50	2.68	0.33	23.12	1.04	8.37	345.26	551.80		
SMDH 00686	118.5	91.16	0.12	45.70	77.43	156.72	19.20	64.02	12.11	0.80	8.74	1.17	6.77	1.51	4.75	0.82	4.85	0.58	33.21	1.61	8.02	357.29	733.47		1.48
SMDH 00686	141.4	110.83	0.13	52.59	91.98	190.36	22.61	79.73	13.73	0.59	10.33	1.35	7.14	1.71	5.40	0.88	5.58	0.68	40.23	2.25	9.79	398.35	786.00	0.93	
SMDH 00686	128.5	97.39	0.13	50.65	81.85	165.13	20.18	68.41	12.80	0.64	8.51	1.32	7.48	1.73	5.45	0.82	5.27	0.68	34.79	1.83	7.90	356.88	818.94		
SMDH 00686	135.1	151.99	0.08	15.96	137.04	276.40	34.01	113.48	19.07	1.21	10.89	0.96	3.54	0.56	1.39	0.19	1.03	0.14	58.71	1.94	8.14	342.29	833.67		
SMDH 00685	120.2	105.00	0.09	33.73	87.44	183.90	20.12	77.08	12.76	1.56	9.99	1.20	6.60	1.25	3.58	0.51	3.10	0.30	38.31	2.32	8.61	406.59	697.24		
SMDH 00685	151.8	131.96	0.10	42.68	108.75	230.82	24.88	97.88	16.54	2.04	11.92	1.47	7.73	1.48	4.08	0.58	3.61	0.36	48.17	2.33	5.42	243.28	779.59		
SMDH 00685	98.1	83.52	0.09	31.07	73.35	149.78	18.14	59.28	10.97	1.65	8.17	1.06	5.04	1.08	3.04	0.49	2.99	0.39	30.15	1.58	6.01	260.57	738.50		1.47
SMDH 00685	85.6	72.59	0.08	26.96	62.64	125.65	15.44	51.65	10.34	1.50	7.04	0.85	4.64	0.90	2.44	0.35	2.07	0.27	25.50	1.34	5.54	246.52	579.19		
SMDH 00685	62.0	59.20	0.04	13.90	54.03	106.76	13.16	42.64	8.06	2.08	5.22	0.69	2.72	0.48	1.26	0.16	0.93	0.12	21.31	0.82	4.01	173.31	359.89	0.37	
SMDH 00685	106.8	84.27	0.09	38.08	68.11	140.39	17.22	59.51	10.77	1.70	8.85	1.15	6.39	1.40	4.07	0.62	3.92	0.51	30.71	1.57	5.31	218.96	492.85		
SMDH 00684	88.5	80.26	0.07	23.21	68.58	139.05	16.28	58.70	10.49	1.30	6.58	0.93	4.35	0.81	2.18	0.32	1.86	0.21	24.48	2.30	10.02	479.13	422.12		
SMDH 00684	79.3	69.89	0.08	22.24	59.03	115.65	13.76	51.19	8.28	0.93	6.13	0.78	4.16	0.77	2.18	0.29	1.86	0.22	21.87	1.94	7.19	335.40	439.81		1.62
SMDH 00684	71.0	53.23	0.09	28.17	47.04	94.08	11.19	37.21	6.93	0.78	4.99	0.70	4.13	0.93	3.23	0.57	3.51	0.45	17.45	1.74	7.43	325.68	430.27		1.66
SMDH 00684	105.7	88.56	0.11	35.54	83.37	155.99	19.40	62.40	10.98	1.02	8.51	0.99	5.78	1.26	3.72	0.72	4.13	0.54	27.88	2.97	7.55	336.08	590.97		
SMDH 00684	66.0	54.37	0.09	22.37	45.88	105.30	11.34	38.60	6.67	0.61	5.45	0.71	3.73	0.75	2.14	0.36	2.27	0.34	18.70	1.56	8.73	348.24	530.13		
SMDH 00684	108.9	113.78	0.07	19.46	102.70	230.09	25.67	83.20	14.50	1.33	9.76	1.02	3.88	0.67	1.44	0.19	1.34	0.20	45.56	2.21	6.25	274.75	540.70	2.11	
SMDH 00684	74.5	74.36	0.09	15.23	66.14	150.14	16.17	54.43	9.31	1.08	6.47	0.72	3.04	0.50	1.12	0.19	1.24	0.19	28.79	1.77	8.84	364.04	575.55		1.52
SMDH 00684	79.3	84.97	0.08	11.97	74.87	167.45	18.66	62.28	10.21	1.03	7.26	0.81	3.21	0.38	0.68	0.07	0.31	0.05	31.96	2.12	10.50	445.76	713.71		
SMDH 00684	96.6	96.68	0.08	19.71	84.30	192.80	20.89	70.37	12.68	1.12	8.97	0.96	4.45	0.73	1.51	0.20	1.65	0.25	38.31	2.91	12.50	485.07	589.24		
SMDH 00684	73.1	70.23	0.09	17.41	62.41	142.83	15.50	50.38	9.14	0.95	6.70	0.78	3.56	0.59	1.37	0.16	1.03	0.15	24.82	2.18	7.67	303.39	673.15		
SMDH 00684	64.5	56.81	0.09	19.10	51.00	109.07	12.31	40.21	7.21	0.89	4.77	0.62	3.66	0.67	1.71	0.25	1.86	0.28	23.12	2.25	8.84	352.56	757.40	1.70	1.41
SMDH 00684	29.9	25.89	0.06	9.07	22.01	47.89	5.46	18.49	3.22	0.44	2.38	0.28	1.66	0.34	0.90	0.13	1.03	0.15	10.43	1.10	7.55	332.97	446.91		
SMDH 00684	61.5	59.81	0.07	13.78	51.35	116.99	12.73	43.45	7.50	0.68	5.22	0.65	2.97	0.48	1.07	0.14	1.03	0.16	23.91	1.69	10.26	392.54	611.95		
SMDH 00684	61.0	51.86	0.09	19.58	45.18	104.69	11.13	36.40	6.37	0.68	4.88	0.70	3.63	0.67	2.02	0.30	1.86	0.28	19.95	1.74	10.26	415.64	606.75		
SMDH 00689	116.7	107.98	0.09	29.86	85.58	197.55	22.12	79.27	12.77	1.02	9.08	1.11	5.48	1.13	2.80	0.40	2.48	0.29	47.60	1.57	14.74	676.62	695.51	0.43	
SMDH 00689	132.1	118.17	0.09	36.15	91.52	213.88	23.33	87.13	13.53	1.12	9.19	1.14	6.57	1.24	3.33	0.48	3.30	0.38	47.83	1.46	12.74	602.73	744.40		
SMDH 00689	94.5	89.96	0.05	22.61	73.94	174.64	19.17	65.64	10.84	1.11	6.81	0.85	4.31	0.78	1.83	0.24	1.45	0.22	35.25	0.91	8.37	358.91	474.48		1.66
SMDH 00689	28.2	21.51	0.02	9.91	17.70	38.51	4.34	15.37	2.67	1.07	2.16	0.28	1.53	0.34	0.82	0.11	0.62	0.10	6.01	0.25	3.07	132.65	247.73	0.58	
SMDH 00689	68.4	57.57	0.05	22.00	46.11	108.34	12.17	41.14	7.53	1.02	5.33	0.69	3.57	0.76	1.91	0.28	1.55	0.24	23.57	0.68	5.66	244.76	461.30		
SMDH 00689	68.4	57.57	0.05	22.00	46.11	108.34	12.17	41.14	7.53	1.02	5.33	0.69	3.57	0.76	1.91	0.28	1.55	0.24	23.57	0.68	5.66	244.76	461.30		
SMDH 00690	122.9	108.23	0.12	34.09	85.11	186.95	20.66	80.54	12.53	1.21	8.17	1.07	5.96	1.26	3.92	0.52	3.82	0.43	37.97	2.40	13.44	621.37	691.35		
SMDH 00690	85.4	69.42	0.09	28.29	58.33	126.38	13.55	50.61	8.15	1.24	5.79	0.71	4.54	1.06	2.88	0.52	3.82	0.43	24.71	1.28	7.90	368.09	543.65		1.54
SMDH 00690	75.3	60.43	0.09	26.48	49.25	112.00	12.48	43.33	7.00	0.87	5.11	0.62	3.99	0.87	2.45	0.45	2.79	0.43	21.76	1.21	9.67	422.67	535.67		
SMDH 00690	80.1	60.76	0.11	31.31	50.77	118.09	13.05	42.29	7.59	1.03	5.22	0.75	4.67	1.05	3.08	0.48	3.51	0.54	21.87	1.29	8.37	353.64	565.84		1.70
SMDH 00690	90.7	73.98	0.11	31.80	62.29	144.90	16.01	52.00	9.92	0.95	6.36	0.80	5.17	1.13	3.34	0.58	3.30	0.51	27.31	1.61	8.37	359.04	650.96		
SMDH 00690	105.6	84.80	0.12	37.36	70.21	164.77	17.67	60.44	9.65	1.08	6.70	0.92	5.77	1.30	3.81	0.55	4.03	0.61	32.07	1.84	8.84	391.19	661.53	0.47	
SMDH 00690	85.0	70.62	0.10	28.53	59.15	138.32	15.25	50.15	8.52	1.12	5.67	0.73	4.48	0.99	2.87	0.42	2.58	0.39	28.11	1.29	9.55	424.69	593.40		
SMDH 00690	95.7	76.56	0.13	33.73	67.07	136.37	16.12	54.20	8.53	1.51	5.67	0.85	5.39	1.14	3.38	0.56	3.51	0.41	25.61	1.20	10.02	451.30	630.33		1.73
SMDH 00690	95.7	76.56	0.13	33.73	67.07	136.37	16.12	54.20	8.53	1.51	5.67	0.85	5.39	1.14	3.38	0.56	3.51	0.41	25.61	1.20	10.02	451.30	630.33		1.73
SMDH 00691	74.3	69.47	0.10	18.26	57.40	145.15	14.02	51.31	8.70	0.56	6.24	0.77	3.37	0.62	2.03	0.28	1.96	0.22	30.49	2.24	17.22	801.56	1108.45		
SMDH 00691	70.1	60.79	0.15	19.95	43.43	140.88	11.54	44.49	8.88	0.95	4.99	0.71	4.05	0.75	2.24	0.34	2.38	0.27	24.37	1.65	8.37	416.86	1019.17	1.21	
SMDH 00691	63.9	49.37	0.12	22.73	42.73	99.45	9.41	35.82	5.73	1.22	4.31	0.59	3.55	0.80	2.28	0.40	2.58	0.30	14.85	0.93	8.14	364.31	732.09		
SMDH 00691	98.2	81.95	0.14	31.31	72.07	134.67	16.62	58.82	9.55	1.60	6.92	0.96	5.55	1.04	2.76	0.42	2.48	0.29	23.23	1.63	9.43	407.40	721.86		
SMDH 00691	78.9	65.47	0.13	25.15	54.96	104.32	13.05	47.15	7.66	1.28	6.36	0.88	4.39	0.80	2.13	0.35	2.07	0.24	16.21	1.23	7.19	306.23	606.58	2.46	
SMDH 00691	72.1	62.72	0.15	20.79	55.31	110.05	12.63	45.53	7.45	1.25	5.90	0.75	3.82	0.77	1.83	0.32	1.96	0.23	17.45	1.54	6.96	300.82	728.27		1.52
SMDH 00691	78.8	69.47	0.14	22.24	57.75	115.78	14.17	50.38	8.15	1.26	6.24	0.78	4.14	0.76	1.84	0.28	1.96	0.23	19.49	1.68	6.84	300.28	709.90		
SMDH 00691	93.0	85.95	0.15	23.09	73.24	149.05	17.35	63.56	9.86	1.34	7.04	0.87	4.17	0.83	2.07	0.33	2.27	0.27	26.63	2.21	9.43	409.43	742.84		
SMDH 00691	125.1	121.32	0.13	26.96	97.22	203.16	24.53	89.44	16.23	1.36	12.14	1.31	6.05	0.87	2.02	0.30	1.96	0.23	37.74	4.26	7.31	313.52	1235.86		
SMDH 00691	92.9	80.15	0.10	27.81	63.57	141.25	16.41	58.24	10.46	1.32	7.04	0.88	4.62	0.98	2.70	0.44	2.58	0.31	27.88	1.72	7.43	303.66	636.22	1.19	1.69
SMDH 00691	107.8	102.14	0.10	25.15	81.04	177.56	21.07	75.46	11.77	1.59	9.19	1.00	4.62	0.81	2.10	0.33	2.27	0.29	38.42	1.80	9.79	416.05	836.62		
SMDH 00691	188.6	207.49	0.11	22.97	172.21	372.92	43.63	156.81	22.35	1.80	13.85	1.43	5.62	0.87	1.79	0.25	1.45	0.19	80.01	1.67	11.09	453.87	726.89		
SMDH 00691	94.5	84.80	0.12	25.39	65.20	141.86	17.01	61.24	10.67	1.30	8.17	0.95	5.59	0.88	2.26	0.31	2.27	0.29	28.56	1.47	8.49	365.26	637.95		
SMDH 00691	93.5	86.86	0.13	22.97	68.35	149.17	17.61	63.67	10.66	1.26	7.15	0.86	4.72	0.81	2.09	0.30	1.96	0.25	27.88	1.12	6.01	277.59	655.46		1.61
SMDH 00691	108.7	102.16	0.11	24.90	76.73	165.26	19.81	76.38	11.83	1.45	8.74	0.95	5.02	0.87	2.41	0.33	2.07	0.27	31.62	1.21	7.08	308.12	613.51	0.44	
SMDH 00691	90.7	81.22	0.14	24.54	66.02	138.20	16.40	59.28	10.21	1.31	6.58	0.86	4.68	0.87	2.14	0.33	1.96	0.26	26.63	1.23	8.73	384.44	801.43		
SMDH 00691	90.7	81.22	0.14	24.54	66.02	138.20	16.40	59.28	10.21	1.31	6.58	0.86	4.68	0.87	2.14	0.33	1.96	0.26	26.63	1.23	8.73	384.44	801.43		
SMDH 00692	120.1	111.19	0.11	30.47	94.55	216.07	22.83	80.66	13.36	1.23	10.33	1.19	6.51	1.12	3.07	0.49	3.51	0.48	36.95	2.55	16.04	692.56	870.08		
SMDH 00692	144.0	117.40	0.13	47.75	104.21	172.08	23.38	84.47	14.74	2.18	10.55	1.55	8.00	1.58	4.35	0.62	4.65	0.63	30.83	2.08	10.50	473.19	851.53		1.36
SMDH 00692	112.0	84.84	0.14	41.35	62.53	127.11	16.07	60.20	9.83	1.84	7.15	1.23	7.34	1.41	3.80	0.63	3.92	0.51	23.91	1.74	7.19	313.79	807.84		
SMDH 00692	119.9	99.06	0.13	39.41	79.06	169.40	19.94	70.60	12.21	1.34	8.85	1.20	7.31	1.33	3.61	0.52	3.51	0.45	32.87	2.48	8.61	380.25	642.81		1.41
SMDH 00692	90.6	73.62	0.10	29.38	56.47	119.55	13.69	53.62	8.11	1.27	6.36	0.90	5.43	1.00	2.66	0.42	2.48	0.32	23.57	1.82	7.08	310.41	553.70		
SMDH 00692	95.8	76.51	0.10	33.85	64.85	127.72	16.26	52.46	9.82	1.68	7.49	1.37	6.41	1.44	3.27	0.84	3.30	0.37	24.48	2.02	9.20	399.70	584.21	1.00	
SMDH 00692	96.8	80.91	0.09	31.43	68.81	139.78	16.82	57.43	10.01	1.25	7.72	1.06	5.60	1.04	2.76	0.51	2.79	0.31	27.20	1.85	9.67	374.85	572.95		
SMDH 00692	114.9	110.00	0.10	26.23	95.13	192.07	22.89	80.54	14.11	1.53	9.08	1.14	5.44	0.92	2.53	0.40	2.07	0.23	40.12	1.81	10.02	428.20	726.71		1.52

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00692	110.6	102.22	0.10	27.81	88.14	181.95	21.03	74.53	11.95	1.57	9.08	1.14	5.52	0.98	2.49	0.41	2.48	0.27	35.25	1.51	7.78	341.35	636.22		
SMDH 00692	86.0	71.43	0.11	27.56	61.36	123.58	14.44	51.19	9.00	1.44	6.13	0.81	4.98	0.99	2.92	0.42	2.58	0.29	22.78	1.02	5.19	223.69	625.65		
SMDH 00692	95.5	75.92	0.13	33.37	63.69	128.45	15.12	53.96	8.97	1.36	7.15	1.03	5.80	1.13	3.25	0.49	3.30	0.36	23.12	1.53	11.20	463.05	740.58	0.52	
SMDH 00692	100.4	80.56	0.13	35.06	69.28	140.52	16.79	56.97	9.37	1.54	6.58	0.96	5.84	1.22	3.41	0.57	3.41	0.37	24.93	1.59	10.61	444.01	735.38		1.57
SMDH 00692	103.7	87.34	0.13	33.13	75.22	152.95	18.00	62.52	11.05	1.20	7.38	1.06	5.77	1.15	3.10	0.48	2.89	0.32	27.54	1.73	10.14	404.97	737.29		
SMDH 00692	102.2	82.08	0.12	35.78	69.63	139.54	17.24	57.66	10.11	1.62	7.60	1.06	6.13	1.37	3.63	0.52	3.72	0.43	26.18	1.79	8.49	366.07	706.60		
SMDH 00692	102.2	82.08	0.12	35.78	69.63	139.54	17.24	57.66	10.11	1.62	7.60	1.06	6.13	1.37	3.63	0.52	3.72	0.43	26.18	1.79	8.49	366.07	706.60		
SMDH 00693	76.1	70.96	0.09	19.22	63.46	134.54	14.69	51.54	10.12	0.63	6.13	0.71	4.03	0.66	1.94	0.27	1.76	0.24	24.48	2.12	11.44	492.64	628.59		
SMDH 00693	115.9	100.85	0.09	34.45	103.86	174.03	21.29	71.99	12.89	1.88	9.65	1.08	6.49	1.04	2.87	0.34	2.48	0.34	22.55	1.84	10.73	471.43	683.72		
SMDH 00693	79.4	69.82	0.08	22.85	65.44	102.61	14.59	50.27	8.68	1.36	6.47	0.85	4.12	0.73	1.91	0.25	1.76	0.20	18.59	1.36	7.67	323.92	568.96		
SMDH 00693	48.9	44.74	0.07	12.81	37.38	79.22	9.58	31.89	6.01	0.94	4.31	0.50	2.76	0.48	1.07	0.18	1.24	0.14	14.39	1.03	6.72	298.12	518.68	1.06	1.62
SMDH 00693	67.6	64.45	0.07	15.47	53.68	120.41	13.70	46.45	8.06	1.34	6.01	0.78	3.52	0.58	1.30	0.20	1.34	0.15	19.27	1.53	7.67	327.16	521.28		1.64
SMDH 00693	67.5	62.58	0.08	17.41	52.75	107.61	13.41	44.60	8.34	0.89	5.90	0.79	3.77	0.57	1.53	0.22	1.24	0.15	18.70	1.60	7.43	312.17	610.22		
SMDH 00693	71.4	63.89	0.09	19.71	54.84	108.95	13.13	45.99	9.12	0.98	6.24	0.76	4.01	0.69	1.82	0.29	1.86	0.22	18.93	1.59	8.61	364.45	586.81		
SMDH 00693	78.5	74.30	0.09	18.50	62.29	124.79	15.31	54.43	9.08	0.99	6.36	0.75	3.82	0.66	1.87	0.28	1.96	0.22	22.67	1.36	8.73	392.41	641.42		1.51
SMDH 00693	58.2	57.62	0.05	11.85	50.88	101.76	12.26	42.18	6.79	0.98	4.77	0.55	2.63	0.44	0.92	0.11	1.03	0.11	18.59	1.12	7.55	346.89	529.78	1.06	
SMDH 00693	111.3	87.46	0.11	40.38	72.42	144.05	17.75	61.71	10.23	1.16	9.08	1.24	6.77	1.30	3.72	0.62	3.51	0.41	25.84	1.65	8.73	381.33	719.09		
SMDH 00693	84.6	71.62	0.12	25.99	60.20	123.21	14.37	51.42	8.81	1.37	6.81	0.87	4.95	0.90	2.55	0.35	2.58	0.30	20.17	1.65	9.20	393.49	739.54		
SMDH 00693	73.7	59.60	0.10	25.51	50.53	101.88	12.59	41.83	6.84	1.13	5.90	0.71	4.47	0.85	2.59	0.37	2.48	0.29	17.11	1.35	9.32	397.95	680.43		1.60
SMDH 00693	91.5	84.61	0.11	23.21	72.54	148.92	17.42	61.13	10.98	1.07	7.83	1.00	5.06	0.90	2.12	0.33	2.07	0.25	24.59	1.87	8.49	372.82	693.78		
SMDH 00693	80.7	74.10	0.09	20.67	60.20	123.58	15.09	53.85	8.62	1.01	6.13	0.88	4.27	0.80	1.99	0.28	1.86	0.22	21.87	1.83	9.91	429.69	740.93	0.92	
SMDH 00693	105.9	108.41	0.11	18.74	91.87	189.02	22.61	79.85	14.20	1.38	9.76	1.11	4.84	0.72	1.36	0.17	1.03	0.12	36.61	2.62	11.79	519.79	927.29		
SMDH 00693	75.6	71.80	0.09	17.41	62.41	128.69	15.12	52.23	8.89	1.47	6.36	0.77	3.68	0.62	1.60	0.20	1.34	0.16	23.35	1.76	8.02	370.39	680.25		1.66
SMDH 00693	94.7	83.96	0.12	26.35	68.93	140.88	16.72	60.78	9.72	1.15	7.72	0.93	5.53	0.98	2.57	0.38	2.58	0.30	24.25	1.87	9.08	394.43	832.81		
SMDH 00693	109.4	91.11	0.12	36.03	76.50	154.41	18.91	64.36	12.19	1.22	8.40	1.16	6.67	1.31	3.61	0.48	3.10	0.36	26.63	2.51	10.02	406.05	832.81		
SMDH 00693	71.7	50.65	0.27	29.50	38.54	79.82	9.49	34.78	6.55	1.01	5.22	0.88	5.49	1.02	2.83	0.41	2.68	0.32	13.15	1.42	4.72	187.63	816.51	1.75	
SMDH 00693	71.7	50.65	0.27	29.50	38.54	79.82	9.49	34.78	6.55	1.01	5.22	0.88	5.49	1.02	2.83	0.41	2.68	0.32	13.15	1.42	4.72	187.63	816.51	1.75	
SMDH 00694	163.3	141.86	0.09	47.63	120.51	254.71	27.61	104.12	16.89	1.37	12.82	1.68	8.46	1.56	4.24	0.71	4.44	0.60	46.24	3.23	26.53	1113.46	742.66	0.94	
SMDH 00694	180.7	162.81	0.10	49.93	139.37	297.61	33.47	118.44	20.01	1.45	14.75	1.73	9.17	1.61	4.20	0.68	4.44	0.60	54.63	3.27	19.34	857.76	742.66		1.43
SMDH 00694	78.5	68.61	0.08	22.12	56.35	112.12	13.56	50.04	8.92	1.34	5.79	0.81	4.19	0.73	2.03	0.25	1.76	0.21	24.71	1.04	7.19	302.04	543.47		1.73
SMDH 00694	110.2	100.89	0.09	28.17	79.99	167.69	20.13	73.84	11.67	1.25	8.62	1.14	5.78	0.98	2.57	0.34	2.07	0.25	33.89	1.69	8.14	347.29	595.48		
SMDH 00694	123.8	106.64	0.12	37.36	85.00	179.39	21.42	76.61	13.02	1.20	9.31	1.25	7.36	1.26	3.63	0.52	3.41	0.41	35.59	2.02	8.73	386.46	751.50		
SMDH 00694	115.3	97.37	0.13	36.03	78.94	167.21	19.49	70.03	12.08	1.40	8.28	1.16	6.69	1.27	3.58	0.52	3.30	0.40	33.43	2.05	11.32	466.84	810.62		
SMDH 00694	132.8	105.69	0.13	46.42	83.72	174.27	20.37	76.15	12.84	1.06	9.08	1.30	7.87	1.61	4.44	0.74	4.44	0.53	34.34	1.72	9.08	391.60	775.25	1.18	1.56
SMDH 00694	168.3	149.66	0.13	47.03	121.79	258.85	29.78	108.85	17.84	1.42	12.60	1.64	9.39	1.65	4.48	0.64	4.03	0.48	48.96	2.91	9.43	399.70	805.42		
SMDH 00694	122.3	93.79	0.14	45.46	72.77	153.07	18.24	66.68	11.15	1.25	7.38	1.23	7.65	1.58	4.45	0.63	4.65	0.55	29.58	1.52	7.78	341.89	770.75		
SMDH 00694	138.9	115.68	0.13	44.73	91.75	197.79	22.89	83.20	14.54	1.36	9.65	1.33	8.26	1.53	4.39	0.66	4.65	0.56	39.21	1.74	11.20	473.86	872.68		
SMDH 00694	87.4	69.73	0.09	30.47	56.94	121.02	13.90	50.27	7.42	1.11	5.11	0.65	4.90	1.10	3.17	0.50	3.30	0.40	24.03	0.76	7.55	336.48	663.26		1.71
SMDH 00694	93.0	79.01	0.09	28.41	63.92	139.42	15.91	57.43	8.78	1.47	5.56	0.79	4.87	0.98	2.72	0.42	2.79	0.34	27.20	1.19	7.78	332.97	642.63	0.67	
SMDH 00694	133.3	114.57	0.12	39.90	91.29	193.65	22.87	82.97	13.77	1.69	10.10	1.40	7.34	1.34	3.70	0.53	3.61	0.43	39.89	2.38	9.79	423.48	732.78		
SMDH 00709	48.4	45.42	0.05	11.48	42.27	85.43	9.54	33.40	5.69	1.02	3.97	0.45	2.03	0.38	1.06	0.14	1.14	0.15	13.49	0.85	5.42	253.28	346.89		
SMDH 00709	20.2	15.65	0.03	5.80	15.37	28.40	3.13	11.44	1.40	1.92	1.25	0.17	0.91	0.21	0.54	0.07	0.62	0.08	3.17	0.34	3.89	171.55	268.53		
SMDH 00709	45.1	40.91	0.06	10.52	33.07	66.91	7.70	30.62	4.61	1.40	2.95	0.37	2.22	0.44	1.04	0.13	1.03	0.12	10.09	0.78	5.42	225.99	490.77		
SMDH 00709	62.1	57.92	0.09	14.27	46.34	96.03	11.01	43.22	6.30	0.94	4.31	0.59	3.11	0.55	1.34	0.20	1.24	0.14	15.87	1.02	10.38	432.53	765.03		1.53
SMDH 00709	33.2	28.35	0.05	9.19	24.57	51.19	5.71	20.80	3.62	1.40	2.16	0.28	1.56	0.34	0.94	0.14	0.83	0.10	7.71	0.56	6.37	265.03	508.80		
SMDH 00709	27.1	26.64	0.05	4.23	23.87	48.87	5.35	20.22	2.92	1.61	1.93	0.24	0.83	0.18	0.36	0.06	0.41	0.05	8.39	0.37	4.01	172.77	606.06	0.93	
SMDH 00709																									
SMDH 00709	56.3	23.26	0.32	34.58	11.53	23.52	3.02	13.75	3.71	1.52	4.77	0.83	5.66	1.23	3.45	0.56	3.30	0.43	2.49	0.56	2.36	100.90	1154.56		1.72
SMDH 00709	53.9	46.95	0.12	15.23	38.42	76.78	9.12	34.55	5.52	0.86	4.09	0.48	2.80	0.56	1.47	0.20	1.55	0.20	12.01	0.89	6.13	302.71	661.01		
SMDH 00709	101.2	91.26	0.10	28.65	77.43	164.40	19.89	65.29	10.43	1.14	7.83	1.01	5.07	1.06	2.66	0.42	3.10	0.39	27.65	1.58	10.02	403.21	727.23		
SMDH 00709	68.7	55.71	0.09	23.21	46.11	96.16	11.70	38.94	7.20	1.51	5.56	0.86	4.21	0.85	2.10	0.30	2.17	0.27	16.43	1.32	6.72	282.45	578.49	0.88	
SMDH 00709	55.1	42.28	0.12	20.19	35.86	72.88	8.85	29.24	5.81	1.49	4.43	0.65	3.54	0.67	1.61	0.30	1.86	0.24	11.79	1.16	7.31	303.93	566.70		1.69
SMDH 00709	76.3	56.70	0.13	29.50	45.76	95.55	11.53	39.29	7.83	1.61	5.11	0.88	4.99	0.98	2.64	0.48	3.41	0.44	15.87	1.44	6.72	294.07	594.96		
SMDH 00709	79.4	69.53	0.11	23.57	57.75	121.38	14.93	49.57	9.49	1.22	6.47	0.77	4.26	0.84	2.17	0.33	2.48	0.32	21.19	1.45	7.43	325.95	667.77		
SMDH 00709	77.9	73.21	0.08	18.38	60.55	131.50	15.18	53.62	9.12	1.49	6.24	0.70	3.72	0.68	1.44	0.24	1.96	0.25	24.03	1.28	7.78	316.36	577.63		
SMDH 00709	77.9	73.21	0.08	18.38	60.55	131.50	15.18	53.62	9.12	1.49	6.24	0.70	3.72	0.68	1.44	0.24	1.96	0.25	24.03	1.28	7.78	316.36	577.63		
SMDH 00708	75.7	72.22	0.13	17.41	55.54	175.13	14.70	53.16	9.39	0.73	6.36	0.77	3.60	0.60	1.61	0.22	1.45	0.16	28.79	1.72	14.03	560.18	685.28		
SMDH 00708	58.7	53.14	0.22	15.35	39.47	114.68	10.58	38.83	6.79	0.74	4.65	0.57	3.16	0.54	1.61	0.21	1.55	0.17	22.21	1.34	9.43	393.35	886.38	1.64	1.35
SMDH 00708	77.2	68.96	0.11	20.91	61.01	106.64	14.52	50.15	7.80	1.83	5.56	0.69	3.61	0.76	1.79	0.28	1.96	0.25	18.81	1.14	14.03	581.79	691.70	2.14	1.50
SMDH 00708	51.8	44.55	0.09	14.75	40.40	60.20	9.53	31.89	5.14	2.03	3.52	0.52	2.61	0.48	1.11	0.17	1.34	0.18	10.20	0.64	9.79	397.00	610.74		
SMDH 00708	43.5	38.70	0.08	12.21	33.07	55.82	8.43	27.96	4.85	1.02	2.95	0.40	1.90	0.30	0.94	0.13	0.72	0.10	8.95	0.59	7.08	303.12	474.31		
SMDH 00708	31.9	30.58	0.00	7.01	27.25	55.21	7.06	21.72	3.86	1.35	2.50	0.29	1.51	0.21	0.68	0.08	0.62	0.09	9.41	0.54	7.19	280.97	436.51		
SMDH 00708	101.8	110.85	0.09	14.39	93.15	202.55	25.03	81.81	12.67	1.62	7.94	0.79	3.21	0.48	1.30	0.16	0.83	0.11	38.31	1.38	10.97	444.28	589.07		1.69
SMDH 00708	115.9	118.21	0.09	22.37	98.39	218.15	26.01	87.01	13.89	1.32	8.85	0.95	4.24	0.76	2.05	0.29	1.96	0.27	43.75	1.67	12.03	497.23	711.28	1.22	
SMDH 00708	136.8	132.07	0.11	32.04	104.33	230.70	28.74	96.26	15.10	1.44	10.89	1.20	5.86	1.11	3.43	0.47	3.20	0.45	46.24	1.90	12.85	520.87	688.05		
SMDH 00708	136.5	123.45	0.10	37.96	94.78	214.25	26.48	89.67	13.88	1.54	9.31	1.20	6.09	1.13	4.24	0.68	4.34	0.61	44.20	1.90	11.09	469.27	638.30		
SMDH 00708	111.0	82.90	0.24	43.40	59.50	138.57	17.00	57.66	10.87	1.71	9.53	1.26	6.98	1.40	4.71	0.55	3.61	0.51	26.18	1.41	6.72	281.10	1249.04		1.80
SMDH 00708	53.1	29.16	0.20	27.32	17.58	42.90	4.82	19.18	3.70	1.44	4.09	0.73	4.43	0.92	2.52	0.37	2.27	0.29	6.12	0.50	2.48	106.04	1030.26		
SMDH 00708	53.1	29.16	0.20	27.32	17.58	42.90	4.82	19.18	3.70	1.44	4.09	0.73	4.43	0.92	2.52	0.37	2.27	0.29	6.12	0.50	2.48	106.04	1030.26		
SMDH 00707	79.3	73.36	0.15	20.07	54.72	165.99	14.87	53.62	9.89	0.75	6.70	0.86	4.02	0.81	1.99	0.32	2.07	0.23	29.24	2.33	15.80	622.04	659.28		
SMDH 00707	172.0	157.60	0.17	44.01	143.57	188.90	32.96	114.86	16.97	3.40	11.80	1.61	8.17	1.62	4.13	0.64	3.72	0.41	28.56	2.06	15.21	639.47	857.42		
SMDH 00707	99.6	76.41	0.15	37.24	69.63	97.62	16.06	53.96	9.17	2.04	6.58	0.99	5.40	1.13	3.10	0.34	2.79	0.36	17.68	1.12	8.02	328.92	752.54	2.51	
SMDH 00707	51.7	49.95	0.09	10.76	42.96	87.14	10.54	36.75	5.78	1.52	3.86	0.49	2.16	0.38	0.88	0.14	0.83	0.10	15.53	0.66	4.95	219.64	562.54		
SMDH 00707	69.1	55.92	0.13	24.06	45.76	92.99	12.00	38.48	6.43	1.12	4.88	0.77	4.67	0.85	2.59	0.34	2.38	0.30	16.09	1.25	8.25	340.54	630.15		1.58
SMDH 00707	49.4	44.52	0.10	13.18	36.91	65.20	9.22	32.36	5.12	0.90	3.52	0.49	2.45	0.45	1.18	0.18	1.03	0.13	11.67	0.72	4.13	166.82	403.75		
SMDH 00707	37.5	37.99	0.00	6.29	34.81	69.34	8.44	27.85	3.98	1.62	2.72	0.31	1.39	0.22	0.51	0.05	0.41	0.05	11.67	0.40	4.72	203.03	431.66		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00707	51.0	48.08	0.09	11.85	42.73	85.43	10.14	35.36	5.21	1.24	4.09	0.45	2.13	0.39	1.24	0.13	1.14	0.14	14.39	0.67	6.72	278.67	614.90	1.13	
SMDH 00707	88.4	71.75	0.13	30.47	62.41	131.50	15.17	50.73	8.85	1.32	6.47	0.87	4.98	1.07	3.12	0.42	2.99	0.38	23.69	1.32	9.08	374.31	719.09		1.55
SMDH 00707	88.4	71.75	0.13	30.47	62.41	131.50	15.17	50.73	8.85	1.32	6.47	0.87	4.98	1.07	3.12	0.42	2.99	0.38	23.69	1.32	9.08	374.31	719.09		1.55
SMDH 00706	93.9	83.88	0.16	25.87	64.85	152.82	16.83	61.01	10.73	0.97	6.58	0.95	5.08	0.93	2.57	0.35	2.48	0.27	30.03	2.02	13.92	585.44	1177.79		
SMDH 00706	106.2	97.43	0.19	27.08	75.57	170.74	19.47	71.99	12.16	1.20	8.28	0.94	5.03	1.06	2.82	0.38	2.68	0.29	33.32	2.16	10.38	418.34	927.63		1.31
SMDH 00706	83.4	74.78	0.13	22.97	59.38	128.45	15.78	54.20	9.34	1.40	6.58	0.80	3.99	0.80	2.41	0.33	2.38	0.30	24.37	1.57	8.37	346.48	687.88		
SMDH 00706	87.0	75.12	0.14	25.75	60.78	128.94	15.31	54.66	9.59	1.42	6.47	0.79	4.36	0.91	2.63	0.37	2.79	0.32	24.03	1.44	6.96	306.77	629.11		
SMDH 00706	84.4	72.31	0.13	25.87	59.73	127.84	15.13	52.12	9.04	1.38	6.13	0.76	4.31	0.90	2.65	0.42	2.58	0.31	23.69	1.20	8.02	349.05	654.42		
SMDH 00706	73.1	64.45	0.13	20.91	55.07	117.60	13.69	46.68	7.98	1.42	4.99	0.61	3.47	0.77	2.04	0.34	2.48	0.28	21.76	1.02	7.08	308.12	657.54	0.61	1.60
SMDH 00706	69.8	59.48	0.12	21.40	50.42	105.54	12.43	42.87	6.77	1.36	4.65	0.59	3.60	0.70	2.19	0.33	1.96	0.23	19.04	0.80	7.31	322.71	624.43		
SMDH 00706	90.6	79.68	0.16	25.99	67.42	138.57	16.49	57.78	9.20	1.43	6.13	0.80	4.61	0.88	2.72	0.44	2.99	0.35	25.39	1.36	9.08	381.33	687.88		
SMDH 00706	82.0	69.04	0.14	26.60	58.92	126.74	14.82	48.88	8.06	1.20	5.90	0.79	4.55	0.92	2.81	0.44	2.79	0.33	23.01	1.48	7.78	344.32	698.28		
SMDH 00706	97.5	90.70	0.15	24.54	76.15	160.26	19.02	65.98	10.92	1.33	7.60	0.95	4.74	0.82	2.32	0.33	2.27	0.27	31.73	2.10	8.37	362.55	796.58		1.51
SMDH 00706	99.4	87.82	0.16	28.29	72.89	154.16	18.11	63.09	10.87	1.40	7.26	0.96	5.66	0.98	2.82	0.40	2.58	0.29	29.01	2.23	8.73	386.87	752.54	0.68	
SMDH 00706	97.5	89.63	0.16	25.27	73.82	158.55	18.73	65.52	11.57	1.28	7.72	0.92	4.46	0.83	2.15	0.39	2.38	0.27	30.03	1.76	6.25	271.78	696.90		
SMDH 00706	93.4	82.68	0.16	26.96	71.72	139.30	17.64	59.51	10.64	1.43	7.72	0.96	4.57	0.88	2.53	0.41	2.89	0.36	27.88	1.55	6.37	281.91	743.53		
SMDH 00706	93.1	69.09	0.16	36.63	58.33	118.46	14.00	48.42	8.03	1.34	5.79	0.84	5.84	1.37	3.92	0.67	4.34	0.54	21.76	1.25	8.02	322.44	710.76		1.65
SMDH 00705	121.4	103.65	0.18	37.36	81.16	175.86	20.87	75.00	12.19	1.23	8.51	1.12	6.67	1.44	3.80	0.62	3.82	0.42	33.77	1.93	16.27	679.99	749.25	0.79	
SMDH 00705	94.0	76.10	0.14	32.16	59.38	130.28	15.53	54.43	8.37	1.25	5.33	0.80	5.34	1.16	3.40	0.54	3.30	0.36	24.37	1.17	7.55	316.76	622.70		
SMDH 00705	58.0	47.12	0.00	20.07	41.10	85.31	9.90	33.40	5.83	0.67	4.09	0.49	3.33	0.68	2.17	0.31	1.86	0.24	16.43	0.97	4.25	177.09	376.36		
SMDH 00705	84.3	72.76	0.10	25.63	62.29	129.18	15.25	52.46	9.16	1.14	6.58	0.87	4.17	0.82	2.42	0.36	2.58	0.32	22.89	1.32	5.90	248.82	555.96	0.84	
SMDH 00705	101.9	85.37	0.13	33.37	73.82	153.07	18.06	61.13	9.93	1.27	7.15	0.93	5.25	1.10	3.43	0.53	3.30	0.42	27.77	1.50	6.84	270.02	721.34		
SMDH 00705	124.4	97.90	0.15	46.18	84.42	175.86	20.84	68.87	11.37	1.12	8.51	1.27	6.91	1.51	4.53	0.69	4.34	0.55	31.73	1.47	8.14	366.88	780.80		1.67
SMDH 00705	112.5	93.60	0.11	37.72	80.92	167.08	20.00	66.44	10.08	1.23	7.72	1.01	6.15	1.28	3.97	0.53	3.72	0.47	30.03	1.15	8.61	354.45	791.72		
SMDH 00705	90.7	67.91	0.12	36.27	57.75	121.38	14.49	46.80	7.35	0.97	4.99	0.83	5.79	1.29	3.38	0.60	4.03	0.51	21.53	0.98	8.25	343.78	682.51		
SMDH 00705	103.9	87.38	0.12	33.61	75.92	155.63	18.38	62.17	9.90	1.33	7.26	1.04	5.78	1.19	3.32	0.52	3.41	0.43	28.67	1.77	7.19	298.53	719.26	0.38	
SMDH 00705	119.3	101.18	0.14	37.60	84.88	196.09	20.83	73.03	11.75	1.38	8.51	1.14	6.18	1.26	3.91	0.57	3.61	0.45	33.32	2.10	10.61	459.81	820.50		1.62
SMDH 00705	121.8	97.32	0.16	42.92	80.57	188.04	19.81	69.45	11.74	1.41	8.51	1.17	6.89	1.50	4.46	0.74	4.34	0.54	32.98	1.92	8.14	361.07	819.46		
SMDH 00705	123.5	98.97	0.15	43.16	82.44	182.32	20.25	70.72	11.89	1.64	8.28	1.18	6.81	1.51	4.60	0.69	4.23	0.52	31.17	1.80	10.38	437.52	836.97		
SMDH 00705	106.2	86.00	0.15	36.27	73.01	164.52	17.36	61.82	10.60	1.28	7.38	1.02	5.79	1.17	3.59	0.47	3.20	0.39	27.20	1.56	8.49	391.06	795.54		
SMDH 00705	106.2	86.00	0.15	36.27	73.01	164.52	17.36	61.82	10.60	1.28	7.38	1.02	5.79	1.17	3.59	0.47	3.20	0.39	27.20	1.56	8.49	391.06	795.54		
SMDH 00704	95.6	88.07	0.05	25.15	72.89	157.94	18.34	64.13	10.31	0.77	7.49	0.84	4.76	0.95	2.30	0.41	2.48	0.30	30.49	2.23	18.04	781.03	529.26		
SMDH 00704	121.4	112.48	0.05	30.34	91.29	204.13	22.48	82.85	13.43	1.02	9.76	1.14	6.01	1.07	2.84	0.48	2.89	0.35	40.12	2.43	21.46	908.41	605.02		1.45
SMDH 00704	60.1	58.05	0.09	12.81	49.37	111.15	12.26	42.52	7.23	1.54	4.43	0.57	2.69	0.45	1.19	0.16	0.83	0.11	20.97	0.64	6.01	257.87	686.15	1.45	1.53
SMDH 00704	82.5	83.73	0.09	14.99	69.74	153.56	17.76	62.05	10.21	1.52	6.70	0.79	3.13	0.59	1.30	0.18	0.93	0.12	30.37	0.93	9.32	381.60	616.80		
SMDH 00704	70.4	68.86	0.10	14.39	56.94	130.77	14.60	50.38	8.27	1.74	5.11	0.76	3.12	0.49	1.35	0.16	0.83	0.11	24.48	0.99	8.25	327.30	593.57		
SMDH 00704	49.9	27.77	0.22	25.15	16.53	39.24	4.51	18.26	3.85	1.53	4.20	0.72	4.28	0.91	2.71	0.36	2.27	0.28	4.53	0.50	3.54	152.24	1274.00		
SMDH 00704	92.0	77.40	0.21	27.81	58.92	136.25	15.01	56.04	10.18	1.83	8.17	1.01	5.34	0.94	2.80	0.38	2.38	0.30	25.95	1.09	8.37	341.62	1250.77		1.73
SMDH 00704	86.3	89.82	0.09	13.66	74.75	169.89	19.05	66.79	10.78	1.85	7.38	0.77	3.22	0.49	1.11	0.14	0.72	0.10	34.68	1.20	7.31	316.22	721.17	0.90	
SMDH 00704	80.2	80.31	0.12	14.02	66.83	142.34	15.99	60.55	10.34	1.85	6.58	0.72	3.05	0.47	0.96	0.15	0.93	0.10	30.49	1.17	10.02	403.89	693.08		
SMDH 00703	84.6	77.39	0.05	22.85	65.79	143.68	16.43	55.93	9.98	0.83	6.70	0.73	4.29	0.73	2.00	0.33	2.07	0.25	27.77	1.82	11.44	485.07	389.53		
SMDH 00703	136.7	125.67	0.08	36.51	106.65	233.26	26.90	90.02	15.00	1.41	11.24	1.41	7.34	1.28	3.72	0.46	2.89	0.36	44.77	2.13	16.51	686.07	570.87	1.29	
SMDH 00703	249.7	227.04	0.16	64.92	184.43	394.37	44.22	168.48	27.00	1.97	19.18	2.41	11.93	2.20	6.06	0.94	6.09	0.67	78.65	4.22	45.52	1899.22	778.89		
SMDH 00703	115.2	101.29	0.13	32.28	81.50	172.81	19.76	73.72	13.36	1.37	9.87	1.34	6.47	1.12	2.81	0.41	2.48	0.27	35.81	1.68	7.90	345.13	527.87		1.64
SMDH 00703	114.6	99.98	0.13	32.88	83.37	175.00	19.88	72.68	13.52	1.59	8.62	1.14	6.28	1.12	2.74	0.44	2.99	0.32	34.34	1.50	8.61	377.68	583.17		
SMDH 00703	82.9	70.32	0.10	25.15	55.07	116.26	14.00	50.38	8.70	1.44	7.38	0.93	5.00	0.90	2.19	0.39	2.17	0.24	21.65	0.97	4.95	198.70	406.35	1.24	
SMDH 00703	118.9	102.71	0.13	35.42	84.53	180.98	20.59	74.88	13.50	1.32	8.97	1.08	6.16	1.12	3.07	0.45	3.30	0.36	35.70	1.68	10.38	454.41	661.18		
SMDH 00703	120.9	103.57	0.13	36.03	85.81	180.25	20.17	75.46	12.46	1.46	9.53	1.20	6.74	1.15	3.33	0.54	3.20	0.35	37.17	1.76	8.37	373.09	635.70		1.71
SMDH 00703	136.5	121.23	0.13	38.69	97.22	217.90	25.20	87.24	15.76	1.75	10.10	1.43	7.35	1.46	4.12	0.56	3.61	0.44	35.59	1.59	8.84	403.35	676.96		
SMDH 00702	151.8	140.23	0.09	38.69	115.27	240.08	28.47	102.73	17.55	1.31	12.71	1.53	7.51	1.38	3.52	0.53	3.82	0.46	48.73	2.81	20.64	822.77	649.40		
SMDH 00702	67.3	57.91	0.06	19.71	49.49	93.84	11.30	42.52	7.45	0.94	5.33	0.62	3.46	0.68	1.91	0.24	1.76	0.22	17.57	1.28	6.72	287.86	430.79		1.47
SMDH 00702	73.5	69.34	0.09	17.17	57.75	128.21	14.07	50.96	9.04	1.05	6.24	0.80	3.51	0.60	1.37	0.20	1.14	0.14	21.19	1.54	5.90	246.79	484.88		
SMDH 00702	68.8	65.87	0.09	15.23	55.31	126.74	13.47	48.42	8.32	1.18	5.79	0.71	3.27	0.48	1.43	0.19	0.93	0.11	19.38	1.35	6.01	251.65	638.82	1.28	
SMDH 00702	85.4	74.75	0.09	25.27	61.94	136.98	15.66	53.96	9.59	1.01	6.58	0.91	4.22	0.85	2.43	0.37	2.38	0.29	21.53	1.61	7.67	325.41	668.12		1.59
SMDH 00702	64.5	60.49	0.09	15.72	50.65	112.00	12.81	43.91	8.38	1.05	5.56	0.70	3.07	0.64	1.43	0.18	1.14	0.14	18.25	1.14	6.01	243.28	637.61		
SMDH 00702	93.7	88.36	0.09	21.88	72.07	161.11	18.02	64.71	10.78	1.47	7.38	0.96	4.66	0.70	2.09	0.28	1.65	0.21	26.07	1.48	6.01	252.46	691.70		
SMDH 00702	56.1	52.98	0.08	13.18	46.34	99.08	11.44	38.48	6.47	1.42	4.43	0.54	2.52	0.45	1.17	0.19	0.93	0.11	14.96	0.83	6.37	256.92	593.92		
SMDH 00702	73.3	65.30	0.10	19.95	54.03	116.87	13.60	47.49	7.93	1.62	5.45	0.68	3.53	0.69	1.97	0.29	1.55	0.20	17.57	1.06	8.73	373.36	736.25	0.92	1.72
SMDH 00702	89.3	83.06	0.11	22.37	73.01	162.57	18.02	60.09	10.64	1.90	6.92	0.86	4.08	0.78	2.15	0.29	1.55	0.19	24.93	1.32	10.14	413.34	698.46		
SMDH 00702	94.8	79.30	0.12	31.07	69.16	153.80	17.29	56.39	9.34	1.75	6.70	0.92	4.71	1.04	3.07	0.41	2.38	0.30	24.03	1.20	10.61	458.73	798.48		
SMDH 00702	105.2	100.39	0.13	24.54	85.35	189.02	21.31	73.38	11.85	1.62	7.83	1.02	4.68	0.89	2.32	0.28	1.65	0.21	30.37	1.60	13.33	537.48	808.71		
SMDH 00702	121.2	119.06	0.13	25.03	96.99	219.97	24.71	87.71	14.71	1.87	8.97	1.18	5.46	0.93	2.29	0.29	1.55	0.19	34.57	1.74	12.85	518.98	818.59		1.57
SMDH 00702	90.9	85.15	0.12	22.12	70.44	160.26	17.83	62.40	10.00	1.45	6.92	0.91	4.02	0.70	1.91	0.28	1.65	0.20	25.84	1.27	9.79	412.94	761.73	0.26	
SMDH 00702	90.9	85.15	0.12	22.12	70.44	160.26	17.83	62.40	10.00	1.45	6.92	0.91	4.02	0.70	1.91	0.28	1.65	0.20	25.84	1.27	9.79	412.94	761.73	0.26	
SMDH 00701	93.3	92.17	0.08	18.50	78.71	168.55	18.53	69.33	10.87	1.18	6.92	0.76	3.55	0.60	1.57	0.25	1.65	0.20	32.64	1.46	13.33	560.58	594.44		
SMDH 00701	61.9	60.13	0.08	13.18	55.89	118.46	12.70	44.37	6.66	1.33	4.65	0.52	2.54	0.43	1.39	0.23	1.55	0.19	21.31	1.11	7.08	321.76	608.14		
SMDH 00701	91.0	102.56	0.08	9.67	94.66	207.91	22.40	77.31	11.65	1.17	6.36	0.62	2.24	0.32	0.98	0.11	0.62	0.07	36.38	0.96	6.49	269.62	617.32		
SMDH 00701	32.1	34.58	0.00	4.59	31.67	70.81	7.85	25.65	3.54	0.82	2.04	0.21	0.87	0.15	0.38	0.06	0.41	0.05	11.90	0.65	8.84	342.83	654.94		
SMDH 00701	27.5	20.94	0.00	9.91	18.63	40.58	4.39	15.02	2.16	1.03	1.82	0.28	1.25	0.34	1.00	0.15	1.24	0.16	6.35	0.62	8.02	322.30	680.95		1.63
SMDH 00700	108.4	90.15	0.11	34.45	76.03	149.05	17.72	64.94	11.00	1.49	8.97	1.20	6.28	1.05	3.09	0.40	3.10	0.38	26.97	2.59	10.61	443.60	591.67	0.76	
SMDH 00700	112.0	74.22	0.12	50.17	61.25	133.93	14.07	51.31	10.16	1.70	7.49	1.18	7.66	1.63	4.78	0.77	4.65	0.61	25.05	2.97	8.73	374.17	576.24		1.43
SMDH 00700	85.1	62.46	0.09	34.21	53.44	117.60	13.02	43.22	7.65	1.50	6.01	1.03	5.18	1.14	3.31	0.50	2.99	0.37	18.36	2.83	4.95	196.27	470.49		
SMDH 00700	93.0	72.74	0.10	33.49	61.01	133.57	14.64	51.54	8.84	1.36	7.60	1.02	5.55	1.06	3.40	0.51	2.79	0.34	20.40	3.12	5.90	233.96	553.18	1.12	
SMDH 00700	117.6	83.73	0.13	49.08	67.88	149.53	16.54	58.36	10.19	1.28	8.17	1.32	7.51	1.63	5.11	0.76	5.27	0.65	23.69	3.06	7.90	304.34	668.81		
SMDH 00700	107.0	78.30	0.13	43.64	64.62	141.49	16.19	53.73	9.30	1.27	7.49	1.38	7.00	1.49	4.43	0.70	3.82	0.54	24.25	3.25	10.02	457.25	743.18		1.51
SMDH 00700	108.8	86.09	0.09	39.77	73.24	163.43	18.61	59.40	11.32	1.57	8.51	1.24	6.85	1.46	4.10	0.66	3.51	0.49	30.49	3.38	9.20	397.95	634.49		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00700	117.0	87.37	0.10	46.54	73.94	170.62	18.60	59.97	10.76	1.68	8.62	1.42	7.37	1.56	4.71	0.67	4.03	0.57	30.83	3.70	9.20	428.88	675.23		
SMDH 00700	117.0	87.37	0.10	46.54	73.94	170.62	18.60	59.97	10.76	1.68	8.62	1.42	7.37	1.56	4.71	0.67	4.03	0.57	30.83	3.70	9.20	428.88	675.23		
SMDH 00718	113.2	105.26	0.09	28.17	85.81	196.70	21.30	77.31	12.12	1.06	9.31	1.09	5.56	0.99	2.71	0.34	2.79	0.37	36.72	2.17	16.75	763.61	590.11		
SMDH 00718	78.2	71.24	0.09	20.19	59.15	145.27	14.71	52.23	8.98	1.44	6.36	0.71	3.58	0.65	2.09	0.29	1.76	0.22	24.14	1.45	11.32	496.96	641.59		
SMDH 00718	63.7	63.34	0.09	12.57	56.24	132.11	14.06	46.11	7.07	1.87	4.88	0.67	2.51	0.42	1.10	0.15	1.03	0.15	21.19	1.29	18.63	2005.94	766.41	1.72	
SMDH 00718	55.5	58.83	0.00	8.70	55.19	128.21	13.70	42.99	7.07	1.70	4.43	0.49	1.65	0.31	0.83	0.11	0.62	0.08	20.06	0.95	10.61	489.53	560.46		1.71
SMDH 00718	49.0	52.47	0.00	7.01	47.74	105.90	11.94	38.60	5.94	1.49	3.40	0.42	1.51	0.26	0.72	0.07	0.41	0.06	16.43	0.71	8.25	380.66	616.98		
SMDH 00718	85.7	85.78	0.10	17.17	76.85	168.55	18.88	62.40	10.31	1.60	6.47	0.80	3.70	0.67	1.98	0.22	1.65	0.23	28.33	1.35	11.20	511.55	745.96		
SMDH 00718	107.6	108.61	0.09	20.55	93.38	209.62	23.41	79.85	12.95	1.83	8.85	0.98	4.38	0.79	2.06	0.25	1.76	0.24	35.36	1.35	10.50	478.86	661.01		
SMDH 00718	59.2	61.12	0.09	9.67	55.77	112.24	13.19	45.41	6.22	1.63	4.65	0.41	2.10	0.38	0.95	0.13	0.83	0.11	19.04	0.73	8.25	383.76	679.91	0.57	1.73
SMDH 00718	59.2	61.12	0.09	9.67	55.77	112.24	13.19	45.41	6.22	1.63	4.65	0.41	2.10	0.38	0.95	0.13	0.83	0.11	19.04	0.73	8.25	383.76	679.91	0.57	1.73
SMDH 00719	113.5	100.36	0.12	32.04	81.62	188.78	20.11	73.15	11.98	1.22	9.65	1.08	6.03	1.08	2.94	0.41	2.89	0.38	39.78	1.62	12.97	584.22	662.22		
SMDH 00719	119.2	103.14	0.13	35.78	81.62	187.80	21.01	74.65	12.18	1.26	9.19	1.12	6.36	1.29	3.53	0.50	3.30	0.43	38.31	1.55	10.61	499.26	699.67	0.93	1.48
SMDH 00719	103.2	90.30	0.13	30.10	75.68	161.60	18.52	65.29	11.62	1.36	8.06	1.03	5.46	1.07	3.00	0.42	2.99	0.39	33.55	1.41	7.43	335.94	692.56		
SMDH 00719	116.7	108.37	0.11	30.22	90.24	191.46	23.12	78.35	12.83	1.17	9.76	1.20	5.70	1.03	2.90	0.40	2.58	0.34	41.14	1.63	8.73	396.05	709.20		
SMDH 00719	118.3	105.34	0.14	34.21	89.07	189.14	22.58	75.92	12.96	1.33	8.51	1.14	5.70	1.17	3.36	0.46	3.20	0.42	40.69	1.55	8.25	360.80	734.34		
SMDH 00719	105.4	98.88	0.12	25.87	82.90	176.95	20.77	72.68	11.82	1.38	7.94	0.87	4.55	0.91	2.40	0.35	2.48	0.33	37.51	1.23	7.67	346.62	778.89		1.51
SMDH 00719	106.8	93.80	0.12	30.83	75.57	159.41	19.30	67.95	11.98	1.45	8.06	1.09	5.46	1.03	2.88	0.46	2.48	0.33	34.91	1.36	8.49	380.66	717.87	1.05	
SMDH 00719	101.1	78.70	0.11	37.11	62.18	132.96	16.03	55.00	9.59	1.36	7.83	1.08	6.58	1.36	3.43	0.48	3.20	0.42	29.47	1.05	4.95	218.15	614.38		
SMDH 00719	118.6	104.70	0.12	34.70	86.16	187.56	22.30	74.76	12.90	1.46	9.76	1.30	6.34	1.29	3.25	0.42	2.89	0.38	41.59	1.62	8.61	367.15	758.96		
SMDH 00719	44.6	41.44	0.09	10.40	36.68	74.71	8.83	30.51	4.76	1.56	3.29	0.36	1.74	0.34	0.92	0.12	1.03	0.14	14.05	0.65	6.25	273.67	574.51		1.64
SMDH 00720	186.2	171.23	0.10	49.45	138.67	356.35	35.90	124.92	19.99	1.38	14.87	1.74	8.67	1.67	4.71	0.67	4.44	0.58	63.92	2.76	15.92	734.29	720.30		
SMDH 00720	72.3	62.02	0.09	20.91	51.70	116.26	12.43	45.41	7.96	1.80	5.45	0.70	3.47	0.67	1.96	0.30	1.96	0.26	21.76	1.03	7.31	351.21	561.50		
SMDH 00720	76.3	73.54	0.09	16.20	58.80	123.82	14.81	55.00	8.00	1.36	5.67	0.64	3.08	0.62	1.45	0.20	1.24	0.16	23.91	0.92	6.25	296.23	625.13		
SMDH 00720	132.3	112.97	0.12	40.38	86.74	191.21	22.62	82.39	12.75	1.54	8.85	1.19	6.76	1.44	3.94	0.63	4.13	0.53	39.55	1.28	7.08	318.38	751.68	0.41	
SMDH 00720	132.3	128.53	0.12	26.96	93.03	213.76	24.86	96.95	14.59	1.66	9.99	1.16	5.56	1.06	2.47	0.34	2.68	0.34	41.71	1.81	10.26	465.89	755.49		
SMDH 00720	100.4	79.72	0.12	35.18	64.04	137.59	16.00	57.55	9.36	1.51	6.70	0.85	5.33	1.28	3.80	0.62	4.13	0.53	27.09	1.17	7.67	352.83	578.32		1.68
SMDH 00720	86.4	71.41	0.11	27.44	55.66	118.70	14.17	52.00	8.75	1.69	6.01	0.81	4.43	1.02	2.81	0.45	2.99	0.38	23.91	1.14	7.67	348.24	625.13		
SMDH 00720	136.1	122.76	0.09	36.03	95.71	208.88	24.54	91.29	13.79	1.89	10.67	1.10	5.83	1.38	3.85	0.63	3.92	0.50	41.25	1.49	9.32	417.13	687.88		
SMDH 00720	151.4	145.74	0.13	33.13	108.29	253.12	28.83	109.08	17.49	1.35	11.92	1.34	6.48	1.07	3.16	0.40	3.30	0.42	51.79	2.32	10.50	484.67	846.85	0.37	
SMDH 00720	152.7	161.21	0.10	22.24	124.35	281.88	32.84	121.45	18.05	2.06	12.37	1.30	5.63	0.92	1.89	0.21	1.76	0.22	58.25	1.83	11.32	490.75	803.68		1.67
SMDH 00721	83.0	71.57	0.13	24.66	59.50	138.57	14.12	52.35	8.34	0.93	6.36	0.75	4.36	0.87	2.43	0.38	2.48	0.32	26.07	1.75	11.20	558.15	738.33		
SMDH 00721	81.1	66.33	0.09	26.11	56.35	128.08	12.52	48.42	8.22	1.20	5.45	0.68	4.72	0.94	2.53	0.46	2.79	0.35	23.23	1.53	7.19	323.65	541.74		1.42
SMDH 00721	77.1	70.97	0.08	18.86	62.76	125.77	14.64	52.23	8.47	1.93	5.33	0.61	3.50	0.69	1.57	0.31	1.65	0.18	23.23	0.84	2.83	116.84	360.06		
SMDH 00721	57.5	54.25	0.00	13.54	47.62	97.01	11.52	39.87	7.04	1.24	4.43	0.52	2.35	0.44	1.38	0.23	1.45	0.15	17.79	0.67	2.71	112.52	214.44		
SMDH 00721	63.4	57.41	0.00	16.32	50.65	102.86	11.83	42.29	7.69	1.50	4.09	0.59	2.70	0.60	1.49	0.27	1.76	0.19	17.79	0.82	4.01	159.39	311.52		
SMDH 00721	63.4	57.41	0.00	16.32	50.65	102.86	11.83	42.29	7.69	1.50	4.09	0.59	2.70	0.60	1.49	0.27	1.76	0.19	17.79	0.82	4.01	159.39	311.52		
SMDH 00722	154.3	147.85	0.13	33.97	118.41	277.50	28.60	111.05	18.26	1.06	12.26	1.47	6.74	1.18	3.39	0.51	2.79	0.34	53.38	3.37	18.99	899.50	2346.74	0.77	
SMDH 00722	100.7	90.33	0.12	26.96	74.29	169.64	17.76	66.33	10.88	1.15	7.83	0.93	5.32	0.91	2.42	0.42	2.89	0.36	32.53	2.10	10.85	523.30	1169.12		
SMDH 00722	90.3	79.57	0.13	25.27	67.53	139.18	16.29	58.01	10.74	1.70	7.15	0.87	4.41	0.89	2.16	0.39	2.17	0.24	24.25	1.63	10.50	371.61	664.82	0.57	1.49
SMDH 00722	82.6	71.00	0.14	25.03	62.53	129.06	14.79	50.73	9.80	1.38	6.36	0.83	4.65	0.89	2.38	0.40	2.48	0.26	21.31	1.69	8.84	400.51	643.68		
SMDH 00722	91.5	81.37	0.14	25.15	66.95	141.25	16.41	59.28	10.47	1.43	7.60	0.96	4.72	0.89	2.17	0.32	2.58	0.28	24.25	2.08	9.20	394.16	749.94		
SMDH 00722	85.8	76.00	0.14	23.94	64.39	134.18	15.61	54.89	9.66	1.43	7.26	0.91	4.59	0.83	2.36	0.35	2.58	0.28	21.99	1.84	8.02	351.61	795.19		
SMDH 00722	113.0	95.63	0.16	35.78	82.20	172.57	19.89	68.52	11.39	1.46	7.72	1.04	6.17	1.39	3.73	0.59	4.13	0.45	29.69	1.69	8.49	377.68	768.84		1.62
SMDH 00722	102.2	78.26	0.17	38.08	66.14	136.01	15.64	55.35	9.86	1.51	6.58	0.98	6.29	1.37	3.80	0.63	3.92	0.43	22.21	1.36	10.26	419.56	754.28	0.40	
SMDH 00722	121.5	108.87	0.15	34.09	90.00	190.73	22.89	79.50	13.14	1.43	9.08	0.99	5.49	1.14	3.48	0.58	3.72	0.43	35.81	1.79	10.14	451.17	822.06		
SMDH 00722	112.1	89.52	0.16	40.26	73.82	155.63	18.87	63.21	11.29	1.23	7.83	1.00	6.45	1.49	4.16	0.69	4.34	0.50	29.35	1.78	8.37	363.50	684.24		
SMDH 00722	112.1	89.52	0.16	40.26	73.82	155.63	18.87	63.21	11.29	1.23	7.83	1.00	6.45	1.49	4.16	0.69	4.34	0.50	29.35	1.78	8.37	363.50	684.24		
SMDH 00723	90.2	76.96	0.13	26.35	60.31	156.60	14.06	56.97	8.69	0.98	7.15	0.93	5.00	1.00	2.67	0.39	2.89	0.36	29.69	2.00	11.91	536.81	1334.68		
SMDH 00723	55.9	45.37	0.13	18.13	34.46	116.14	8.31	33.16	5.50	0.69	4.20	0.52	3.37	0.70	1.94	0.35	1.96	0.24	18.25	1.52	11.20	518.17	1093.54		1.43
SMDH 00723	43.5	29.99	0.14	18.98	23.05	76.05	6.07	20.34	3.70	0.63	2.61	0.47	3.11	0.72	2.09	0.33	2.48	0.29	10.65	0.94	11.20	483.86	903.88		1.41
SMDH 00723	109.0	103.18	0.15	24.90	87.21	170.37	21.11	76.84	11.81	1.98	6.81	0.81	4.42	0.92	2.65	0.42	2.79	0.32	19.04	1.23	12.97	537.21	867.83		
SMDH 00723	80.9	71.45	0.12	23.45	64.85	134.67	15.44	50.96	9.12	1.49	6.01	0.68	4.37	0.87	2.33	0.37	2.48	0.28	21.99	1.47	14.62	462.92	760.69	1.05	
SMDH 00723	93.9	74.09	0.11	33.97	62.29	131.38	15.53	51.88	9.38	1.37	7.15	0.96	5.72	1.22	3.22	0.51	3.30	0.38	22.33	2.18	11.09	464.27	695.34		
SMDH 00723	115.2	86.21	0.12	45.21	70.33	150.75	17.77	59.28	11.97	1.55	7.94	1.19	7.97	1.52	4.30	0.65	3.61	0.42	27.43	2.71	6.96	294.34	605.19		1.61
SMDH 00723	94.5	70.05	0.13	37.60	58.92	122.97	14.55	48.19	9.42	1.41	6.92	0.98	6.34	1.27	3.37	0.53	3.41	0.39	21.65	2.23	8.96	371.33	646.62		
SMDH 00723	97.3	74.84	0.11	35.78	62.18	127.72	14.95	52.58	9.22	1.59	7.38	1.04	6.27	1.27	3.31	0.58	3.51	0.40	21.31	2.56	9.08	374.04	586.12		
SMDH 00723	56.4	36.71	0.09	25.39	29.92	61.42	6.99	25.65	3.68	1.28	3.29	0.53	3.54	0.87	2.86	0.46	2.99	0.32	9.29	1.00	10.26	450.09	562.72	0.64	
SMDH 00723	32.9	12.34	0.09	21.28	11.18	19.74	2.26	6.93	1.39	1.51	1.36	0.28	2.86	0.78	2.64	0.41	3.10	0.33	2.04	0.44	8.25	371.33	530.65		1.74
SMDH 00723	79.9	70.73	0.10	21.88	60.20	123.58	14.14	52.35	7.47	1.46	5.11	0.56	3.67	0.80	2.31	0.39	2.38	0.26	22.78	0.98	9.91	426.72	707.12		
SMDH 00723	79.8	69.37	0.12	23.33	59.62	122.72	14.36	50.50	8.17	1.43	5.11	0.69	3.83	0.80	2.47	0.42	2.68	0.29	22.21	1.26	11.79	492.77	708.86		
SMDH 00723	81.9	70.77	0.10	23.57	57.87	117.60	13.94	52.35	8.55	1.52	5.90	0.73	3.75	0.92	2.36	0.40	2.79	0.30	22.10	1.27	12.15	520.33	706.60		
SMDH 00723	82.3	73.60	0.10	22.61	62.18	129.55	15.48	53.73	9.01	1.59	5.56	0.62	3.76	0.87	2.43	0.37	2.48	0.27	23.35	1.14	10.61	444.82	792.07	0.53	1.65
SMDH 00723	76.3	64.27	0.10	23.94	54.84	113.46	13.29	46.22	7.47	1.42	5.56	0.62	4.14	0.87	2.69	0.40	2.79	0.30	20.63	0.98	10.85	458.06	710.94		
SMDH 00723	34.5	24.38	0.00	13.54	22.36	40.46	5.04	17.22	2.71	1.59	2.38	0.31	1.82	0.49	1.53	0.24	1.55	0.16	6.46	0.44	6.25	284.48	505.68		
SMDH 00724	109.7	106.98	0.11	22.73	80.92	278.23	20.79	80.20	11.57	0.79	8.85	1.11	4.88	0.85	2.19	0.35	2.27	0.28	42.27	2.38	11.91	568.55	655.98		
SMDH 00724	94.8	84.78	0.13	25.51	65.67	181.83	16.75	62.63	11.12	1.28	7.38	0.92	4.48	0.93	2.49	0.44	2.58	0.32	31.39	1.63	10.38	483.32	970.63	1.71	
SMDH 00724	139.6	117.99	0.13	44.37	98.04	192.68	24.52	84.70	14.95	1.74	10.67	1.23	7.55	1.54	4.28	0.68	4.44	0.48	38.08	1.75	9.32	409.97	874.07		
SMDH 00724	160.4	141.38	0.14	46.67	117.37	253.49	29.31	102.27	16.54	1.70	12.60	1.56	8.25	1.71	4.21	0.68	4.13	0.43	45.45	1.82	9.55	415.78	904.92		1.60
SMDH 00724	66.3	46.37	0.27	27.44	34.35	77.02	8.96	31.78	5.91	1.41	5.67	0.83	4.81	0.96	2.82	0.40	2.48	0.26	11.90	0.69	4.84	192.08	1246.96	1.81	
SMDH 00724	75.6	51.04	0.27	33.13	37.96	87.50	9.79	34.55	7.90	1.27	6.47	0.92	5.78	1.16	3.16	0.50	3.20	0.33	13.71	0.84	6.49	274.75	1325.49		
SMDH 00724	51.5	22.46	0.36	31.19	10.83	26.08	3.22	13.52	3.69	1.08	4.54	0.81	4.90	1.13	3.18	0.50	2.79	0.29	2.04	0.34	3.18	132.11	1526.41		
SMDH 00725	172.0	157.49	0.14	45.82	133.44	280.06	32.76	115.79	17.43	1.47	12.82	1.51	7.44	1.51	4.42	0.68	4.54	0.62	53.04	2.37	17.81	728.22	828.13		
SMDH 00725	105.2	93.06	0.10	30.10	79.64	155.38	19.35	67.95	9.35	1.43	7.26	0.86	4.90	1.03	2.76	0.50	3.41	0.46	27.65	1.14	10.38	438.47	719.61		1.46
SMDH 00725	110.6	107.02	0.09	24.78	89.31	197.31	22.46	79.04	14.43	1.24	9.08	0.91	4.62	0.90	2.57	0.42	2.58	0.27	37.06	1.31	10.02	420.77	592.36		1.57
SMDH 00725	147.4	133.37	0.13	39.90	112.13	236.18	27.55	97.64	17.76	1.64	11.58	1.34	6.84	1.50	4.19	0.74	4.54	0.47	44.43	1.77	10.26	439.28	781.32		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00725	145.4	125.14	0.11	44.73	104.56	220.58	26.07	90.60	17.40	1.56	10.33	1.27	7.20	1.60	4.88	0.79	5.27	0.55	40.80	1.98	12.38	529.51	787.56	1.17	1.49
SMDH 00725	145.0	132.50	0.12	38.57	108.17	237.52	27.48	96.84	16.67	1.37	11.92	1.31	6.88	1.31	3.76	0.58	4.03	0.42	46.81	2.07	12.74	535.73	823.97		
SMDH 00725	135.2	124.01	0.11	35.30	97.46	212.91	25.74	90.48	17.06	1.59	11.12	1.23	6.56	1.25	3.11	0.54	3.82	0.42	45.90	2.08	11.44	484.94	825.70		1.48
SMDH 00725	136.3	119.12	0.13	39.77	92.57	203.03	24.01	86.44	15.94	1.37	10.89	1.25	7.42	1.41	3.87	0.57	3.82	0.42	44.54	2.12	11.44	476.16	765.20		
SMDH 00725	130.2	123.77	0.09	30.95	98.50	217.42	25.84	90.25	17.33	1.36	10.55	1.24	6.44	1.10	2.84	0.41	2.79	0.31	45.33	1.99	12.97	531.00	737.81		
SMDH 00725	131.5	118.40	0.13	36.27	94.90	207.54	24.66	86.32	15.25	1.46	10.21	1.20	6.21	1.27	3.59	0.56	4.23	0.46	44.88	2.09	13.09	558.29	845.98	0.76	
SMDH 00725	159.9	144.75	0.13	44.73	120.86	264.70	30.96	105.27	19.09	1.35	11.92	1.43	7.08	1.54	4.71	0.75	5.47	0.59	54.63	2.13	12.85	537.75	959.01		1.61
SMDH 00725	145.4	131.25	0.13	40.14	107.94	240.45	27.46	95.80	18.44	1.49	11.35	1.27	6.72	1.48	4.07	0.67	4.54	0.49	47.37	1.92	13.92	595.70	908.91		
SMDH 00725	31.4	28.62	0.00	7.50	25.62	53.38	6.18	20.80	3.59	1.43	2.27	0.26	1.38	0.30	0.69	0.12	0.83	0.09	9.86	0.58	9.43	395.92	799.35		
SMDH 00725	31.4	28.62	0.00	7.50	25.62	53.38	6.18	20.80	3.59	1.43	2.27	0.26	1.38	0.30	0.69	0.12	0.83	0.09	9.86	0.58	9.43	395.92	799.35		
SMDH 00726	111.4	89.52	0.07	39.05	76.61	156.48	18.50	63.67	11.21	1.35	8.28	1.19	6.15	1.22	3.62	0.58	3.82	0.53	26.75	2.22	16.51	684.99	740.58		
SMDH 00726	145.0	118.02	0.20	48.84	100.60	202.79	23.58	85.05	13.54	1.76	11.80	1.42	7.97	1.58	4.81	0.71	4.44	0.61	35.13	3.05	22.17	934.08	949.13		
SMDH 00726	169.4	156.16	0.09	44.61	130.76	280.42	32.80	112.44	19.97	1.42	14.64	1.80	9.12	1.67	3.70	0.59	3.61	0.40	55.65	3.62	20.40	852.08	741.97		
SMDH 00726	106.6	97.72	0.09	28.29	82.44	184.75	20.43	70.72	12.52	0.97	9.42	1.02	5.55	0.96	2.44	0.34	2.38	0.26	33.32	2.22	12.26	532.49	594.09	1.46	1.57
SMDH 00726	106.5	103.61	0.09	21.88	76.85	183.05	19.83	78.12	12.56	0.79	8.74	0.85	4.82	0.72	1.98	0.28	1.96	0.27	37.06	2.21	10.73	529.24	636.22		
SMDH 00726	122.0	93.01	0.26	43.88	57.64	143.20	16.47	66.91	12.01	1.54	10.10	1.29	8.35	1.50	4.41	0.70	4.23	0.60	21.87	1.41	9.20	467.11	1181.78		
SMDH 00726	117.9	90.11	0.20	42.55	62.88	146.61	16.09	65.87	10.49	1.37	8.62	1.06	7.09	1.39	4.48	0.70	4.44	0.62	26.63	1.81	8.84	421.72	936.30		
SMDH 00726	50.3	27.18	0.38	25.87	9.90	26.57	3.72	17.45	4.35	0.98	5.22	0.76	5.25	0.99	2.83	0.46	2.38	0.34	0.68	0.33	4.48	229.23	1313.53		1.53
SMDH 00726	54.6	39.05	0.12	21.04	27.13	47.41	6.64	28.08	4.45	1.14	4.31	0.53	3.81	0.65	2.07	0.29	1.86	0.26	6.80	0.65	2.71	135.62	419.35	2.57	
SMDH 00726	43.4	29.00	0.21	18.38	18.51	20.23	4.94	20.45	3.71	0.92	3.75	0.49	3.12	0.58	1.58	0.20	1.34	0.18	1.36	0.66	1.06	49.03	464.60		
SMDH 00726	30.8	16.75	0.23	15.60	5.82	15.36	2.25	11.09	2.55	0.76	3.18	0.48	2.92	0.54	1.50	0.21	1.14	0.17	0.23	0.19	1.06	52.28	723.77		
SMDH 00726	25.3	14.80	0.20	11.97	6.87	15.48	2.17	9.94	2.56	0.70	2.95	0.38	2.32	0.39	1.04	0.14	1.03	0.14	0.45	0.46	0.83	37.01	474.31		1.31
SMDH 00726	20.7	14.40	0.16	8.22	10.71	20.35	2.61	9.71	2.29	0.69	2.61	0.34	1.73	0.31	0.64	0.06	0.62	0.08	1.93	0.56	0.94	41.87	416.75		
SMDH 00726	29.1	20.87	0.17	10.88	12.69	28.88	3.67	14.21	3.67	0.98	3.18	0.55	2.43	0.36	0.85	0.12	0.52	0.07	1.59	1.55	0.71	22.96	352.26	2.11	
SMDH 00726	27.8	16.66	0.20	13.06	10.25	22.30	2.87	11.09	3.09	0.94	2.84	0.39	2.31	0.48	1.32	0.15	1.14	0.15	0.68	0.85	1.18	48.76	689.27		
SMDH 00726	110.2	86.73	0.11	38.81	73.59	147.71	17.18	61.48	10.49	1.89	9.19	1.25	6.82	1.34	3.98	0.56	2.99	0.41	24.14	2.30	8.84	354.18	775.43		1.42
SMDH 00726	135.3	106.69	0.10	48.12	88.61	179.39	21.21	75.57	13.30	1.72	10.44	1.45	8.46	1.73	4.64	0.58	3.61	0.48	27.99	2.89	9.08	361.34	884.29		
SMDH 00726	94.4	74.49	0.00	33.13	62.41	125.04	15.01	52.58	9.32	1.81	7.26	0.99	5.91	1.12	2.90	0.41	2.38	0.31	20.85	2.23	7.78	334.19	746.48		
SMDH 00726	126.8	110.85	0.13	37.11	93.96	189.75	22.25	80.43	13.65	1.06	9.65	1.37	6.80	1.41	3.65	0.45	3.20	0.43	32.19	2.26	9.20	389.84	920.18	1.65	
SMDH 00726	148.5	126.52	0.11	46.42	104.33	215.22	25.47	91.06	15.27	1.03	11.58	1.55	8.44	1.73	4.68	0.64	4.44	0.59	37.17	2.27	9.08	375.66	823.62		1.41
SMDH 00726	126.4	105.27	0.13	41.35	86.16	175.86	21.15	75.46	12.45	0.92	9.87	1.34	7.31	1.50	3.90	0.62	4.44	0.59	30.60	2.18	8.61	371.06	854.82		
SMDH 00726	86.1	74.23	0.09	25.87	66.83	138.20	14.70	54.31	8.83	0.73	6.13	0.76	4.46	0.89	2.52	0.36	2.68	0.38	25.39	1.25	6.37	267.19	485.92		
SMDH 00726	105.5	84.85	0.08	36.51	72.31	155.63	16.62	61.59	10.27	0.73	7.26	1.00	5.64	1.30	3.60	0.50	3.82	0.53	28.67	1.48	10.61	442.79	515.56		
SMDH 00726	49.5	38.17	0.10	17.53	31.20	65.32	7.76	26.92	4.48	1.54	3.40	0.55	2.94	0.77	1.78	0.33	2.07	0.26	10.77	1.25	15.92	640.82	1154.21		1.48
SMDH 00726	73.3	57.63	0.10	26.96	46.22	98.35	11.85	40.68	7.04	0.60	5.33	0.75	4.35	1.02	2.83	0.54	3.51	0.45	19.38	1.12	11.09	438.33	650.44		
SMDH 00726	98.9	67.17	0.14	44.13	50.77	107.37	12.87	46.34	7.77	0.45	6.13	0.92	7.05	1.60	4.65	0.77	5.58	0.72	20.40	1.26	10.97	464.81	745.26		
SMDH 00726	55.5	43.75	0.09	20.55	35.98	75.92	9.30	30.85	5.76	0.55	4.20	0.57	3.02	0.70	2.12	0.37	2.58	0.33	14.96	1.02	12.50	504.52	726.19		
SMDH 00726	37.3	32.29	0.12	10.88	28.06	57.64	6.93	23.00	3.54	1.07	2.84	0.38	1.99	0.41	1.06	0.23	1.45	0.19	9.97	1.09	21.82	920.44	1288.91		1.50
SMDH 00741	121.0	102.87	0.12	37.60	85.70	178.90	20.76	74.76	11.42	1.32	8.74	1.11	6.24	1.30	3.84	0.56	3.61	0.50	33.55	1.76	13.21	560.31	709.20	0.40	1.43
SMDH 00741	122.3	107.29	0.09	34.82	87.21	176.83	21.23	79.27	12.34	1.42	8.74	1.08	5.72	1.23	3.27	0.50	3.51	0.48	35.25	1.55	8.73	385.11	717.18		
SMDH 00741	129.6	108.39	0.11	42.92	87.44	187.07	22.97	76.61	14.51	1.28	10.78	1.32	7.48	1.53	4.20	0.63	4.03	0.52	41.82	1.79	8.84	371.33	727.93		
SMDH 00741	107.0	87.75	0.10	36.27	72.66	152.82	18.58	61.82	10.81	1.60	7.94	1.11	6.24	1.25	3.48	0.48	3.41	0.45	34.00	1.46	7.78	311.22	577.63		
SMDH 00741	107.5	74.56	0.12	45.94	58.45	126.01	14.83	51.77	9.55	1.85	6.92	1.15	6.81	1.63	5.27	0.83	6.30	0.81	27.20	1.44	12.26	480.88	687.88		
SMDH 00741	146.4	117.96	0.12	50.41	96.99	219.61	23.54	83.66	15.88	1.56	11.35	1.55	9.21	1.82	4.95	0.77	4.44	0.60	43.75	2.22	10.14	425.50	713.19		1.54
SMDH 00741	116.5	93.13	0.10	40.98	78.36	170.13	19.05	65.87	11.59	1.45	9.08	1.25	6.97	1.54	3.86	0.60	4.13	0.56	33.32	2.81	7.43	298.12	631.19		
SMDH 00741	114.6	87.92	0.13	42.92	72.66	164.77	17.71	61.82	11.14	1.46	9.08	1.26	7.12	1.49	4.61	0.65	4.54	0.63	32.64	1.82	6.84	297.85	681.29		
SMDH 00741	164.8	128.57	0.15	60.08	104.44	228.75	25.43	91.40	16.17	1.59	11.24	1.63	10.11	2.19	6.50	1.02	6.61	0.92	45.45	2.10	11.09	463.05	697.76		
SMDH 00741	113.7	95.79	0.10	35.91	79.76	167.08	19.34	69.22	12.06	1.31	8.28	1.11	6.13	1.38	3.65	0.57	3.51	0.49	33.21	1.38	8.02	346.75	628.77		1.61
SMDH 00741	125.0	102.03	0.11	41.71	86.63	191.82	20.23	73.38	12.70	1.52	9.19	1.22	7.21	1.56	4.42	0.59	3.92	0.54	36.04	1.31	8.25	365.53	617.50		
SMDH 00741	157.1	138.80	0.13	45.21	116.78	258.85	28.83	100.30	17.87	1.92	11.92	1.48	8.19	1.65	4.69	0.65	4.75	0.65	51.23	1.43	10.97	479.67	851.70		
SMDH 00741	100.5	79.75	0.16	34.94	65.44	143.81	15.66	56.74	10.07	1.50	7.60	1.01	6.34	1.29	3.78	0.56	3.82	0.52	27.54	1.14	7.78	339.46	731.74	0.10	
SMDH 00741	103.6	85.74	0.09	33.61	69.86	157.58	16.91	61.71	10.97	1.17	7.60	1.01	6.11	1.19	3.24	0.49	3.20	0.37	29.92	1.38	11.09	457.38	720.47		1.50
SMDH 00741	135.8	124.04	0.11	35.06	100.25	220.83	24.89	91.64	14.66	1.57	10.33	1.29	6.23	1.30	3.32	0.64	3.72	0.42	45.33	1.63	7.43	313.79	594.96		
SMDH 00741	131.3	126.31	0.11	28.89	107.59	225.34	25.72	93.60	14.69	1.87	9.65	1.18	5.80	1.07	2.80	0.41	2.38	0.27	39.78	1.07	8.84	380.93	671.76		
SMDH 00741	131.3	126.31	0.11	28.89	107.59	225.34	25.72	93.60	14.69	1.87	9.65	1.18	5.80	1.07	2.80	0.41	2.38	0.27	39.78	1.07	8.84	380.93	671.76		
SMDH 00740	105.6	99.03	0.13	25.75	80.81	189.51	20.28	73.15	11.82	1.13	8.40	0.92	4.69	0.90	2.29	0.39	2.17	0.30	35.36	1.78	12.26	501.28	840.26		
SMDH 00740	100.5	88.59	0.13	29.01	81.04	144.78	18.81	64.02	9.68	1.70	7.72	0.91	4.86	0.94	2.98	0.39	2.68	0.36	25.27	1.38	13.09	568.42	804.20		
SMDH 00740	43.8	36.91	0.09	12.94	34.12	63.62	7.31	26.92	4.64	1.31	2.95	0.40	2.27	0.46	1.12	0.21	1.24	0.14	9.97	0.66	13.68	609.08	661.18		
SMDH 00740	98.2	88.47	0.11	25.39	75.22	159.53	17.24	65.40	9.50	1.55	7.15	0.95	4.87	0.90	2.49	0.41	2.27	0.26	26.29	1.34	13.21	561.26	727.93		1.42
SMDH 00740	117.9	106.90	0.11	31.07	89.89	193.65	21.54	78.58	12.51	1.44	8.74	1.11	5.67	1.10	2.91	0.49	3.10	0.35	33.43	1.62	10.97	467.65	696.55		
SMDH 00740	111.4	96.85	0.13	32.52	83.72	183.54	19.35	70.72	11.67	1.33	8.74	1.02	5.76	1.14	3.37	0.54	3.51	0.40	31.62	1.55	11.09	467.24	787.91		
SMDH 00740	101.7	102.65	0.11	19.10	90.47	194.99	21.44	75.80	12.10	1.40	9.08	0.94	4.46	0.69	1.56	0.27	1.55	0.18	34.00	1.31	11.32	487.50	782.71		
SMDH 00740	142.2	116.48	0.14	47.27	96.99	217.42	23.12	84.12	13.34	1.56	10.21	1.35	7.88	1.61	4.89	0.87	4.96	0.56	38.65	2.28	13.68	603.54	920.53		1.47
SMDH 00740	105.9	101.02	0.13	24.30	88.26	197.18	20.77	73.84	12.66	1.40	9.31	1.11	5.29	0.91	2.13	0.27	1.96	0.27	35.81	1.72	13.09	572.33	908.56		
SMDH 00740	127.3	114.57	0.12	35.30	99.32	229.85	24.00	82.62	14.84	1.46	10.89	1.30	6.66	1.31	3.40	0.47	3.10	0.43	41.14	1.57	10.97	532.89	819.29		
SMDH 00740	95.3	88.34	0.17	23.94	77.31	165.74	18.32	64.02	10.98	1.30	8.51	1.01	4.99	0.89	2.17	0.28	1.76	0.24	30.49	1.09	9.55	420.10	888.80		
SMDH 00740	99.0	87.97	0.14	27.93	78.24	169.28	18.11	63.79	10.16	1.25	8.28	0.98	5.10	0.95	2.49	0.44	2.68	0.36	31.96	1.43	15.92	705.39	1040.32		1.45
SMDH 00740	105.5	99.71	0.12	25.27	86.63	194.02	20.95	72.22	11.45	1.51	9.42	1.10	5.44	0.88	2.11	0.32	1.96	0.26	34.91	1.19	10.85	460.35	850.84		
SMDH 00740	93.4	91.99	0.13	19.10	81.04	175.13	19.09	67.72	12.04	1.38	8.62	0.91	4.27	0.76	1.62	0.20	1.14	0.16	33.09	1.08	9.43	399.03	1061.47	0.20	
SMDH 00739	126.9	125.39	0.14	26.84	100.37	335.99	26.76	91.75	15.65	1.45	10.67	1.20	5.68	1.10	2.78	0.40	2.79	0.36	42.61	2.11	13.80	579.63	1061.12		1.43
SMDH 00739	103.9	104.23	0.20	21.64	85.35	255.44	22.94	75.46	13.20	0.92	8.40	1.02	4.82	0.80	2.06	0.37	2.38	0.30	40.91	1.83	10.61	443.06	1143.98	1.11	
SMDH 00739	63.9	58.66	0.13	16.32	50.53	123.33	12.22	42.41	7.35	1.09	5.45	0.67	3.37	0.62	1.82	0.21	1.86	0.26	24.82	1.15	12.74	555.99	1067.36		
SMDH 00739	53.1	49.03	0.09	12.81	46.22	96.28	10.53	35.36	6.01	1.74	4.09	0.55	2.59	0.48	1.20	0.18	1.34	0.18	15.53	0.70	10.02	443.87	779.76		1.40
SMDH 00739	114.4	113.13	0.12	22.97	100.83	226.80	23.55	83.66	15.13	1.84	9.76	1.04	4.87	0.79	2.19	0.33	2.07	0.28	45.45	1.49	11.32	481.83	908.04		
SMDH 00739	135.0	142.09	0.09	19.46	128.08	266.77	28.30	107.81	16.25	1.72	11.35	1.24	4.74	0.65	1.43	0.15	1.14	0.17	56.33	1.78	11.56	499.93	841.30		
SMDH 00739	101.9	105.66	0.12	15.35	94.66	195.84	20.54	80.54	11.51	1.38	7.94	0.88	3.70	0.54	1.04	0.11	0.72	0.11	39.67	1.53	15.68	707.95	1195.82	0.10	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00739	113.6	114.04	0.11	20.55	98.27	211.69	22.73	85.51	13.59	1.73	9.19	1.06	4.74	0.71	1.74	0.22	1.45	0.22	45.11	1.65	9.08	414.02	855.17		1.45
SMDH 00739	159.5	153.12	0.12	33.49	128.66	280.30	29.06	115.67	17.45	1.92	12.37	1.50	6.89	1.15	3.05	0.44	2.79	0.41	64.37	1.73	11.32	501.42	873.72		
SMDH 00739	126.0	112.84	0.09	33.25	97.22	206.33	21.59	83.78	12.23	1.45	9.42	1.23	6.25	1.14	3.13	0.45	3.30	0.49	41.82	1.75	6.60	426.85	751.33		
SMDH 00739	117.6	103.22	0.13	32.88	90.00	190.12	19.87	76.96	10.90	1.41	8.40	1.04	5.35	1.15	3.32	0.48	3.20	0.47	39.21	1.34	8.61	378.22	951.90		
SMDH 00739	106.4	90.68	0.18	31.43	77.55	164.77	17.11	67.02	9.85	1.43	7.83	0.99	5.56	1.06	3.08	0.45	3.30	0.48	36.38	0.99	7.67	357.15	1061.29	1.40	1.44
SMDH 00739	58.1	32.95	0.26	28.89	21.89	51.67	4.90	22.53	4.46	1.15	4.65	0.81	4.69	1.01	2.86	0.42	2.79	0.41	8.61	0.51	3.89	179.52	1227.20		
SMDH 00739	49.3	25.55	0.27	26.72	18.05	38.88	3.90	16.76	3.37	0.90	3.86	0.64	4.25	0.91	2.85	0.39	2.58	0.38	6.69	0.51	3.66	147.91	1360.33		
SMDH 00739	47.1	23.94	0.29	25.75	14.09	27.91	3.75	15.14	3.54	1.13	3.75	0.72	4.33	0.92	2.68	0.40	2.58	0.31	2.72	0.30	2.83	114.95	1247.82		
SMDH 00739	55.3	29.30	0.28	29.50	16.18	37.54	4.61	18.95	4.23	1.16	4.43	0.71	5.03	1.06	2.78	0.50	2.79	0.34	4.65	0.44	3.42	138.05	1266.20		1.73
SMDH 00738	111.2	84.58	0.13	42.43	65.44	137.23	17.41	58.70	11.29	1.56	9.31	1.31	7.16	1.61	4.22	0.57	4.44	0.57	24.71	1.71	12.38	516.68	2225.73		
SMDH 00738	105.2	83.39	0.09	37.72	67.88	140.39	17.09	58.93	9.92	1.23	7.26	1.08	6.28	1.39	3.60	0.62	4.54	0.58	24.93	1.66	8.61	364.45	829.17		
SMDH 00738	92.5	74.55	0.13	32.64	66.25	136.37	15.84	52.58	8.39	1.15	5.90	0.88	5.25	1.08	3.54	0.54	3.72	0.45	23.01	1.22	10.50	485.07	750.12	0.10	
SMDH 00738	100.5	74.65	0.13	39.65	65.09	132.72	15.11	52.35	9.50	1.26	6.24	0.93	6.27	1.34	4.16	0.69	4.34	0.52	23.91	1.45	10.38	471.29	733.82		
SMDH 00738	92.0	74.70	0.13	31.19	62.76	130.40	15.13	53.62	9.20	1.26	6.13	0.80	5.15	1.08	3.22	0.52	3.20	0.39	21.87	1.25	9.91	428.61	779.59		
SMDH 00738	97.8	83.70	0.13	30.71	74.75	157.33	17.95	60.20	8.85	1.38	6.92	0.73	4.82	1.15	3.57	0.58	3.82	0.46	28.22	1.31	9.91	433.88	726.54		1.51
SMDH 00738	86.0	62.22	0.16	35.06	52.98	112.85	12.69	42.87	7.97	1.42	6.24	0.98	5.69	1.30	3.89	0.68	3.82	0.47	20.17	1.36	6.72	288.53	692.91		
SMDH 00738	88.3	65.30	0.12	35.30	54.49	117.12	13.53	44.95	8.28	1.25	6.36	1.02	5.80	1.25	3.62	0.56	3.41	0.42	20.63	1.88	7.78	333.92	618.71	0.10	
SMDH 00738	104.7	72.08	0.12	45.94	59.38	126.62	14.94	48.65	9.49	1.62	7.04	1.14	7.36	1.58	4.59	0.81	4.65	0.52	22.33	2.40	10.85	451.44	679.56		
SMDH 00738	104.0	81.08	0.11	38.20	68.11	146.37	17.15	56.62	10.08	1.85	7.60	1.06	6.25	1.42	3.98	0.70	3.82	0.43	25.05	1.59	8.37	374.71	662.57		1.66
SMDH 00738	105.3	83.94	0.13	37.24	72.31	152.95	17.59	59.05	10.41	1.66	7.15	1.03	6.27	1.35	3.97	0.64	4.03	0.45	27.43	1.61	12.74	550.59	748.56		
SMDH 00738	49.4	41.60	0.07	14.99	35.40	75.44	8.71	29.93	5.32	1.55	3.86	0.49	2.46	0.56	1.55	0.24	1.45	0.16	12.13	0.69	6.60	282.86	670.20		
SMDH 00737	116.9	98.97	0.12	37.24	78.71	175.98	20.59	69.91	13.12	1.32	10.44	1.20	7.27	1.31	3.70	0.54	3.92	0.51	33.43	2.35	15.45	634.88	2269.42		1.45
SMDH 00737	119.7	97.71	0.12	40.86	77.08	169.40	20.34	68.76	11.65	1.44	9.53	1.34	7.28	1.42	4.11	0.65	3.92	0.51	31.96	2.31	13.92	571.52	2047.52		
SMDH 00737	112.9	85.39	0.15	43.64	67.88	144.05	17.54	59.97	11.08	1.37	7.83	1.03	6.85	1.49	4.48	0.69	4.54	0.51	27.43	1.90	14.03	388.76	784.79	1.00	
SMDH 00737	79.9	66.89	0.10	25.51	54.96	115.90	13.88	48.30	8.01	1.40	5.11	0.70	4.01	0.93	2.60	0.42	2.38	0.27	21.87	1.23	6.37	274.48	605.19		1.51
SMDH 00737	30.6	25.49	0.05	9.07	22.24	39.49	5.35	18.60	2.78	1.41	2.16	0.24	1.30	0.33	0.81	0.13	0.72	0.09	6.57	0.46	4.13	182.90	464.25		
SMDH 00737	46.4	44.51	0.06	9.67	41.22	80.56	9.52	32.82	5.28	1.69	3.06	0.37	1.81	0.34	1.03	0.14	0.93	0.11	13.03	0.54	5.42	241.66	538.27		
SMDH 00736	175.2	155.83	0.05	51.62	125.63	268.23	33.49	111.63	20.16	1.21	14.19	1.72	8.99	1.76	4.74	0.77	5.68	0.74	58.48	3.54	34.91	1450.76	747.34	2.30	
SMDH 00736	189.1	171.45	0.02	52.71	137.74	297.00	36.33	123.64	22.97	1.31	14.87	1.84	9.63	1.81	4.96	0.75	5.27	0.67	66.19	3.47	35.50	1485.88	827.78		
SMDH 00736	71.3	67.27	0.09	17.29	57.87	122.97	14.75	48.53	8.70	1.45	5.79	0.68	3.32	0.60	1.57	0.19	1.45	0.18	25.27	0.98	6.84	291.77	668.29		
SMDH 00736	88.7	84.38	0.09	21.40	69.86	153.31	18.29	61.24	11.11	1.18	7.94	0.83	4.02	0.81	2.06	0.32	2.07	0.25	34.34	1.36	8.14	377.68	621.14	0.60	1.48
SMDH 00736	73.1	70.53	0.09	16.20	59.27	128.21	15.08	51.42	8.66	1.45	6.13	0.65	3.37	0.60	1.62	0.21	1.45	0.17	28.33	0.92	6.84	284.21	615.24		
SMDH 00736	64.3	66.49	0.07	11.00	56.24	118.70	14.61	48.76	7.78	1.44	5.33	0.56	2.55	0.44	0.86	0.15	0.72	0.09	25.27	0.77	6.84	289.48	519.03		
SMDH 00736	60.2	59.28	0.09	12.33	49.14	107.12	12.78	43.33	8.23	1.36	4.65	0.55	2.62	0.45	1.37	0.20	1.03	0.13	22.78	0.79	5.42	242.60	573.12		
SMDH 00736	93.5	90.55	0.10	20.43	73.70	158.80	18.72	67.02	10.83	1.23	7.60	0.81	3.99	0.77	1.89	0.31	1.96	0.24	35.47	1.30	10.73	449.82	824.31		1.44
SMDH 00735	194.1	182.93	0.10	47.15	140.30	321.25	37.32	134.74	23.43	1.34	17.25	1.97	8.90	1.53	4.49	0.64	4.23	0.59	77.18	2.68	15.45	713.49	858.12		1.30
SMDH 00735	199.3	199.45	0.13	39.53	160.68	356.83	41.74	148.03	25.04	2.10	18.50	1.86	7.82	1.34	3.51	0.55	3.41	0.47	83.41	2.59	15.80	763.20	854.13		
SMDH 00735	173.8	174.13	0.13	35.06	134.60	300.53	36.95	128.15	24.52	1.53	14.87	1.66	7.37	1.22	3.14	0.50	2.89	0.34	76.05	2.48	10.97	463.59	881.69	0.20	
SMDH 00735	151.8	142.45	0.13	37.96	107.35	242.15	30.23	102.73	19.15	1.57	13.39	1.62	7.88	1.28	3.39	0.49	2.89	0.35	62.33	2.22	14.62	604.21	879.27		
SMDH 00735	173.7	158.44	0.13	46.91	118.88	268.72	33.33	113.82	22.44	1.66	15.77	1.97	9.31	1.68	4.15	0.59	3.61	0.43	71.29	2.58	13.21	567.61	965.77		
SMDH 00735	123.4	106.98	0.11	36.87	79.64	182.19	22.18	75.57	16.99	1.74	12.14	1.50	7.72	1.37	3.66	0.49	2.68	0.32	47.94	1.78	10.38	437.25	752.02		1.52
SMDH 00735	129.9	117.07	0.10	35.66	87.56	197.06	24.54	84.12	17.43	1.71	11.35	1.40	7.00	1.29	3.45	0.47	2.79	0.34	50.66	2.07	8.73	384.57	724.81		
SMDH 00735	136.9	124.97	0.12	37.36	95.48	216.07	27.21	89.21	17.80	1.81	12.71	1.54	7.01	1.29	3.48	0.49	2.99	0.36	55.31	2.61	10.38	430.23	801.26	0.40	
SMDH 00735	161.4	146.20	0.13	44.13	113.18	251.42	30.67	104.92	19.30	1.76	13.73	1.69	8.92	1.51	3.81	0.52	3.20	0.38	61.77	2.07	10.26	428.34	892.27		
SMDH 00735	161.4	146.20	0.13	44.13	113.18	251.42	30.67	104.92	19.30	1.76	13.73	1.69	8.92	1.51	3.81	0.52	3.20	0.38	61.77	2.07	10.26	428.34	892.27		
SMDH 00734	145.1	136.75	0.06	35.30	114.92	244.59	28.49	100.88	17.02	1.51	11.69	1.26	6.11	1.10	3.08	0.51	3.10	0.43	53.83	2.36	20.05	931.92	630.85		
SMDH 00734	64.5	60.13	0.08	15.35	49.72	111.15	12.46	44.37	6.89	1.50	5.22	0.59	2.72	0.53	1.33	0.20	1.34	0.18	19.15	1.01	9.32	455.76	749.08	2.51	
SMDH 00734	58.2	54.48	0.10	14.14	46.11	101.40	11.89	38.94	6.67	1.49	4.88	0.57	3.07	0.47	1.33	0.18	1.24	0.15	21.42	1.06	14.15	611.51	909.95		1.37
SMDH 00734	54.9	50.64	0.08	13.90	43.55	88.84	11.35	36.05	7.76	1.66	4.31	0.57	2.66	0.51	1.25	0.17	1.24	0.14	18.02	0.82	9.43	421.72	673.15		
SMDH 00751	75.8	77.08	0.10	13.66	69.63	144.78	16.42	57.55	9.12	1.45	6.01	0.55	2.56	0.46	1.00	0.15	1.03	0.14	27.20	0.78	8.96	422.94	683.55		1.45
SMDH 00751	83.1	77.52	0.10	20.19	66.02	140.39	16.15	57.20	7.38	1.55	5.79	0.69	3.47	0.69	1.91	0.27	1.65	0.22	24.48	0.70	8.25	411.86	659.97		
SMDH 00751	77.3	72.29	0.08	19.22	59.96	128.08	15.59	52.69	7.66	1.36	4.65	0.61	3.40	0.68	1.79	0.22	1.55	0.19	24.59	0.59	6.37	285.29	656.68		
SMDH 00751	138.3	134.85	0.12	31.80	112.24	244.23	29.66	98.57	14.71	1.26	8.97	1.04	5.58	1.15	2.98	0.46	2.89	0.34	47.37	1.23	16.86	726.19	917.75	0.12	
SMDH 00752	190.0	164.80	0.16	57.18	138.09	289.81	33.43	120.18	18.45	1.50	13.73	1.73	9.45	1.96	5.80	0.91	6.09	0.85	59.05	2.09	17.10	775.22	805.42		
SMDH 00752	116.7	99.84	0.11	35.30	83.25	172.20	19.87	73.96	10.45	1.44	7.49	0.90	5.13	1.24	3.59	0.56	3.82	0.53	33.66	1.11	9.43	457.52	794.15		
SMDH 00752	82.0	66.05	0.10	28.29	54.72	116.99	13.89	47.49	8.26	1.53	4.77	0.63	4.04	1.02	3.17	0.50	3.30	0.40	21.99	0.66	9.55	426.45	739.19		1.60
SMDH 00752	96.1	79.18	0.09	32.40	64.04	139.30	16.94	56.74	9.15	1.47	5.33	0.83	4.68	1.07	3.43	0.60	3.30	0.40	27.54	0.86	9.08	386.19	755.14		
SMDH 00752	101.8	83.57	0.11	35.18	68.35	147.95	18.23	59.05	10.24	1.28	7.15	0.84	5.46	1.34	3.87	0.52	3.61	0.46	27.99	1.08	8.61	405.92	693.95		
SMDH 00752	115.9	106.40	0.09	30.71	82.44	185.61	22.31	78.23	10.91	1.15	7.04	0.93	4.93	1.06	3.25	0.52	3.20	0.40	36.95	0.94	6.96	305.42	658.58		
SMDH 00752	115.0	90.93	0.12	41.95	74.17	160.26	19.36	64.71	10.92	1.52	6.81	0.96	5.89	1.54	4.45	0.66	4.44	0.55	31.96	0.95	12.03	508.98	828.47	0.10	1.61
SMDH 00752	110.7	101.02	0.11	30.47	85.23	184.75	22.24	72.57	11.35	1.44	7.15	0.95	5.26	1.23	3.16	0.48	2.99	0.37	36.72	1.01	13.21	573.28	848.24		
SMDH 00752	126.1	110.16	0.12	38.57	91.40	199.38	24.30	79.04	12.24	1.64	7.72	0.98	5.85	1.50	4.00	0.69	4.34	0.53	39.89	1.01	9.67	408.89	774.39		
SMDH 00752	80.8	65.14	0.09	28.41	54.38	111.02	14.17	46.22	7.32	1.43	5.11	0.65	4.09	1.04	3.05	0.45	2.89	0.37	21.65	0.75	7.67	309.87	636.39		
SMDH 00753	153.4	140.62	0.08	39.41	114.81	244.10	28.19	104.23	16.64	1.61	12.94	1.51	6.68	1.21	3.53	0.54	3.30	0.45	47.94	2.72	12.26	588.95	590.80	1.18	1.54
SMDH 00753	95.6	80.59	0.07	29.74	62.64	141.49	15.88	58.93	9.69	1.13	8.17	0.98	4.81	0.99	3.01	0.42	3.10	0.42	28.79	1.55	7.43	360.26	507.59		
SMDH 00753	79.4	68.93	0.08	23.57	54.03	116.51	14.16	49.69	8.57	1.08	5.79	0.80	4.28	0.78	2.20	0.32	2.27	0.28	25.16	1.23	7.19	305.96	443.27		1.48
SMDH 00753	110.1	93.93	0.09	34.70	74.52	162.70	20.06	66.91	11.61	1.56	8.62	1.09	5.87	1.25	3.44	0.50	3.30	0.41	34.68	1.67	8.25	355.67	631.19	0.30	
SMDH 00753	110.2	101.31	0.08	29.38	81.85	176.83	21.77	72.92	13.81	1.32	8.85	1.10	5.53	1.06	2.69	0.39	2.68	0.34	40.57	1.92	7.78	330.27	591.67		
SMDH 00753	99.5	80.80	0.13	32.88	66.02	122.60	15.82	58.47	11.10	1.65	8.28	1.08	5.44	1.12	3.10	0.54	3.30	0.37	28.45	1.63	7.90	354.45	728.79		
SMDH 00754	108.0	92.47	0.13	31.43	68.93	158.19	17.49	68.64	11.03	1.59	9.19	1.09	5.25	1.00	2.99	0.42	2.79	0.41	29.01	1.71	11.67	523.16	1531.61		
SMDH 00754	104.8	57.65	0.22	52.83	27.71	63.25	8.47	39.40	8.11	2.79	10.44	1.42	8.36	1.58	4.94	0.60	3.82	0.57	6.46	0.70	5.66	264.89	2775.45		
SMDH 00754	87.5	42.78	0.39	48.36	18.28	39.73	5.84	27.16	7.89	2.23	9.42	1.39	8.39	1.76	4.45	0.68	4.13	0.46	3.17	0.56	6.37	276.24	3311.12		1.83
SMDH 00754	74.1	45.11	0.31	34.45	29.81	46.31	7.17	30.85	6.84	1.66	6.81	1.08	6.01	1.35	2.90	0.47	2.68	0.30	5.55	0.40	4.25	173.98	2200.08		
SMDH 00755																									1.43
SMDH 00755	151.4	141.32	0.09	35.30	109.80	235.09	27.06	106.54	16.22	1.83	11.12	1.35	6.37	1.06	3.46	0.54	3.30	0.49	47.03	1.72	9.43	448.87	848.41	1.07	
SMDH 00755	135.2	127.93	0.12	31.80	113.99	207.42	26.15	94.18	16.82	1.65	11.46	1.37	6.24	1.11	2.46	0.40	2.48	0.28	48.73	1.69	8.49	383.49	716.31	0.20	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00755	98.9	85.62	0.13	28.89	71.49	133.33	16.83	61.94	12.21	1.23	8.06	1.06	5.79	1.06	2.55	0.45	2.48	0.27	30.49	1.60	9.32	397.81	705.91		
SMDH 00755	116.3	102.31	0.13	33.73	88.61	166.23	21.11	73.84	14.41	1.33	9.76	1.27	6.09	1.14	2.81	0.45	2.68	0.30	38.65	1.91	11.09	491.15	751.16		1.43
SMDH 00755	133.4	120.11	0.15	36.03	102.46	191.34	24.01	88.17	16.23	1.24	11.12	1.46	6.47	1.21	3.36	0.51	3.10	0.35	46.01	1.93	10.02	463.46	847.89		
SMDH 00755	129.3	115.86	0.14	35.42	98.62	187.44	23.35	84.59	15.21	1.34	10.44	1.37	6.56	1.18	3.10	0.51	3.10	0.35	42.61	1.83	9.43	437.52	821.02		
SMDH 00755	82.3	66.22	0.14	28.17	54.96	107.98	13.19	47.49	8.73	1.11	5.90	0.88	4.65	0.92	2.56	0.38	2.79	0.31	24.14	1.09	6.37	306.23	649.57	0.40	1.56
SMDH 00755	132.2	115.78	0.19	37.84	92.57	190.85	22.66	84.70	13.29	1.23	10.55	1.40	7.01	1.37	3.40	0.63	4.03	0.44	43.18	1.94	15.33	629.61	822.41		1.49
SMDH 00755	124.6	116.64	0.16	29.38	97.57	196.09	22.79	87.36	14.43	1.38	10.21	1.19	5.29	1.01	2.65	0.46	2.89	0.32	48.28	1.31	11.56	472.10	854.13		
SMDH 00755	124.6	116.64	0.16	29.38	97.57	196.09	22.79	87.36	14.43	1.38	10.21	1.19	5.29	1.01	2.65	0.46	2.89	0.32	48.28	1.31	11.56	472.10	854.13		
SMDH 00756	168.4	153.62	0.07	42.80	123.42	286.52	29.33	114.75	17.94	1.28	13.73	1.63	7.91	1.34	4.08	0.55	3.51	0.51	51.91	3.77	15.45	723.08	735.55		
SMDH 00756																									
SMDH 00756	110.6	78.84	0.14	45.34	64.16	126.26	15.26	56.16	10.74	1.72	7.38	1.07	6.35	1.56	4.37	0.77	4.44	0.49	26.29	2.00	9.91	436.98	674.71		
SMDH 00756	121.6	89.19	0.16	47.39	71.03	142.71	16.66	64.36	10.73	1.69	8.62	1.29	6.88	1.44	4.81	0.84	4.44	0.48	30.15	1.96	9.32	400.51	700.02		
SMDH 00756	121.8	94.44	0.15	44.01	79.76	153.80	18.36	67.48	12.60	1.69	8.85	1.20	7.39	1.47	4.30	0.68	4.03	0.44	28.79	2.31	9.55	416.32	691.70	0.10	1.44
SMDH 00756	109.2	91.86	0.16	33.13	73.01	145.39	17.36	67.48	10.62	1.57	8.40	1.16	5.86	1.16	3.04	0.51	2.99	0.33	28.67	1.75	8.61	378.09	744.40		
SMDH 00756	109.2	91.86	0.16	33.13	73.01	145.39	17.36	67.48	10.62	1.57	8.40	1.16	5.86	1.16	3.04	0.51	2.99	0.33	28.67	1.75	8.61	378.09	744.40		
SMDH 00757	184.8	166.86	0.09	47.75	130.17	296.26	32.38	124.45	18.84	2.61	15.89	1.78	8.25	1.61	4.45	0.58	4.03	0.59	52.02	2.44	12.38	566.12	1606.85		1.36
SMDH 00757	130.4	113.53	0.08	34.58	89.89	169.28	20.36	86.09	12.28	2.62	10.55	1.16	5.93	0.96	3.00	0.34	2.48	0.36	26.07	0.92	9.91	484.67	1407.66		
SMDH 00757	112.4	108.58	0.14	23.09	96.18	183.90	21.18	81.47	13.51	1.92	9.08	1.02	4.92	0.82	1.85	0.29	1.34	0.15	35.02	1.27	10.50	472.64	981.72		
SMDH 00757	99.4	97.43	0.13	19.34	83.95	160.01	18.77	73.84	11.89	1.42	7.60	0.85	3.97	0.70	1.69	0.32	1.65	0.18	30.94	1.56	9.79	428.61	736.59		
SMDH 00757	111.8	99.50	0.11	32.16	85.93	169.40	21.32	71.30	12.58	1.43	8.06	1.00	5.88	1.02	3.41	0.52	3.30	0.43	31.28	1.95	9.55	409.02	684.59		1.44
SMDH 00757	113.9	85.66	0.12	44.37	71.72	145.02	17.67	59.97	9.83	1.54	7.38	1.07	6.95	1.56	4.89	0.75	4.65	0.59	24.82	1.94	9.43	409.70	690.13	0.10	
SMDH 00757	134.0	112.23	0.12	44.13	95.48	194.26	23.93	79.62	14.62	1.60	9.42	1.25	7.44	1.54	4.56	0.75	4.44	0.58	34.00	2.55	11.44	477.51	734.51		
SMDH 00757	100.3	76.77	0.12	37.84	64.85	129.67	15.44	54.20	8.21	1.16	6.81	0.91	6.23	1.26	4.14	0.63	4.13	0.53	23.01	1.80	11.32	458.19	719.26		
SMDH 00757	93.0	75.16	0.11	32.52	62.18	124.92	15.81	52.92	8.17	1.15	6.92	0.95	5.48	1.08	3.08	0.53	3.20	0.41	26.41	1.62	9.55	420.77	556.48		1.60
SMDH 00757	107.0	84.31	0.13	38.93	71.03	143.44	17.91	58.93	10.77	1.69	7.38	1.08	6.38	1.27	4.30	0.56	3.82	0.50	24.71	1.73	10.14	430.50	695.86		
SMDH 00757	91.6	73.91	0.11	31.67	61.71	126.62	15.58	51.88	8.82	1.61	6.58	0.92	5.53	1.04	3.23	0.54	2.99	0.39	21.31	1.45	8.25	364.18	644.72		
SMDH 00757	93.8	84.56	0.11	25.87	71.26	142.34	18.07	61.01	9.44	1.40	6.81	0.83	4.65	0.87	2.70	0.35	2.27	0.30	27.20	1.32	11.91	516.28	803.68		
SMDH 00757	95.9	73.31	0.12	36.03	61.94	127.23	14.78	51.65	8.80	1.37	6.92	0.94	5.94	1.16	3.78	0.54	3.72	0.48	24.37	1.22	9.32	402.81	712.67		1.71
SMDH 00757	95.9	73.31	0.12	36.03	61.94	127.23	14.78	51.65	8.80	1.37	6.92	0.94	5.94	1.16	3.78	0.54	3.72	0.48	24.37	1.22	9.32	402.81	712.67		1.71
SMDH 00758	104.6	97.01	0.06	26.48	81.97	178.17	19.73	71.07	11.61	0.85	8.74	1.12	5.08	0.87	2.39	0.38	2.27	0.30	34.68	2.13	14.03	623.93	471.36	0.72	
SMDH 00758	148.2	144.41	0.02	31.43	121.21	265.92	28.66	107.12	17.83	0.99	12.48	1.46	7.17	1.14	2.98	0.38	2.58	0.33	53.38	3.11	18.63	848.71	496.32		
SMDH 00758	271.1	285.27	0.06	44.73	233.10	495.77	60.31	210.89	34.03	1.43	23.83	2.69	11.39	1.59	3.72	0.46	2.79	0.36	107.78	5.03	22.64	941.78	466.33		
SMDH 00758	189.6	191.55	0.08	37.24	158.82	335.75	40.56	140.52	26.23	1.35	17.14	1.82	8.64	1.30	3.06	0.42	2.79	0.36	73.10	3.49	12.74	534.11	474.65		
SMDH 00758	116.8	104.06	0.09	34.09	86.86	184.51	22.58	73.84	13.69	1.26	10.21	1.27	6.37	1.22	3.33	0.49	3.20	0.41	38.53	2.03	7.19	305.69	468.06	0.60	
SMDH 00758	111.6	95.30	0.11	35.30	78.36	163.43	20.38	67.37	12.21	1.34	8.17	1.04	6.50	1.16	3.47	0.51	3.41	0.44	34.79	1.69	8.84	366.07	606.23		1.55
SMDH 00758	111.6	98.11	0.11	32.76	80.46	168.42	20.91	70.37	11.28	1.63	7.83	1.02	5.80	1.11	3.09	0.45	2.89	0.38	36.38	1.34	11.44	473.73	813.22		
SMDH 00758	124.1	111.23	0.11	34.94	90.59	189.39	23.58	79.85	14.02	1.49	9.42	1.20	6.60	1.16	3.35	0.53	3.10	0.40	41.82	1.94	11.91	495.88	666.04		
SMDH 00758	59.5	32.03	0.06	32.04	24.45	47.41	6.30	20.57	3.61	1.69	3.40	0.61	4.55	1.04	3.26	0.59	3.30	0.43	9.52	0.65	4.13	178.04	321.23		
SMDH 00758	82.0	64.80	0.09	28.77	52.86	106.39	13.13	45.99	7.50	1.59	5.45	0.79	4.88	1.01	3.03	0.48	3.30	0.43	20.97	1.01	9.08	376.74	529.61	0.70	1.60
SMDH 00758	71.7	51.58	0.07	29.26	41.10	84.09	10.60	35.71	6.59	1.43	4.43	0.72	4.55	1.01	3.10	0.48	3.10	0.40	17.91	1.06	7.67	302.58	377.92		
SMDH 00758	103.4	60.35	0.13	52.59	42.50	91.89	11.43	39.52	7.02	1.90	6.58	1.06	8.35	1.83	5.33	0.90	5.89	0.69	17.68	1.08	6.37	252.73	750.81		
SMDH 00758	68.9	61.04	0.09	18.98	48.90	139.42	13.01	43.68	6.81	1.90	5.45	0.70	3.65	0.73	1.76	0.25	1.65	0.19	21.65	0.79	5.90	238.69	588.55		
SMDH 00758	58.7	54.52	0.12	14.63	45.88	90.67	11.84	39.40	5.98	1.35	3.86	0.54	2.73	0.48	1.37	0.21	1.34	0.15	18.25	0.90	13.68	595.84	983.11		1.55
SMDH 00758	95.0	92.05	0.12	20.91	73.01	160.75	19.73	67.48	10.97	1.80	7.83	0.83	4.01	0.79	2.09	0.34	1.96	0.23	34.91	1.10	11.67	501.28	855.00	0.60	
SMDH 00758	59.4	57.21	0.09	12.81	47.74	99.20	12.53	41.72	7.13	1.93	4.54	0.55	2.42	0.46	1.09	0.16	1.14	0.14	16.55	0.65	7.90	357.56	621.14		
SMDH 00759	98.5	85.97	0.10	28.29	72.42	157.82	16.79	62.86	10.73	1.03	8.17	0.98	5.34	0.92	2.63	0.39	2.48	0.32	30.71	2.66	19.46	880.32	582.65		1.54
SMDH 00759	124.8	102.70	0.07	40.86	87.68	170.13	20.59	73.84	12.54	1.84	8.51	1.22	7.06	1.50	3.99	0.63	3.92	0.51	26.07	2.52	18.40	807.37	741.45		
SMDH 00759	125.4	125.38	0.08	25.75	101.07	226.43	26.78	91.40	14.72	1.05	10.21	1.15	6.05	0.91	2.52	0.40	2.07	0.25	48.85	2.31	15.92	668.38	505.34		
SMDH 00759	64.6	55.90	0.09	19.34	43.43	102.61	11.38	40.33	6.88	0.78	4.99	0.63	3.55	0.68	1.90	0.31	2.07	0.25	19.38	1.15	8.61	378.09	400.28		1.51
SMDH 00759	74.6	60.80	0.09	25.51	49.49	96.64	12.41	43.22	7.35	0.73	5.67	0.75	4.43	0.83	2.13	0.40	2.48	0.30	19.83	1.15	11.44	486.69	608.31		
SMDH 00759	45.4	42.36	0.06	11.36	35.16	60.45	8.82	30.74	4.67	0.55	3.86	0.47	2.33	0.39	0.73	0.12	0.83	0.10	10.65	0.73	8.61	365.39	634.66	2.20	
SMDH 00759	103.8	88.00	0.14	33.13	73.94	165.99	18.24	62.63	9.78	0.87	6.70	0.93	6.20	1.30	3.36	0.49	3.41	0.42	33.21	1.23	18.16	759.96	1758.88		
SMDH 00759	197.6	112.75	0.31	105.54	88.37	183.41	21.55	72.11	10.52	0.90	11.58	2.25	16.85	3.62	10.61	1.73	11.88	1.46	33.43	1.30	12.74	568.82	871.99		1.54
SMDH 00759	165.8	110.59	0.24	76.16	85.58	171.23	21.71	74.88	11.36	0.78	10.44	1.69	12.32	2.72	8.17	1.20	8.26	1.02	30.03	1.75	18.87	798.73	1414.77		
SMDH 00759	251.1	146.93	0.38	131.29	111.55	225.70	28.01	96.26	16.25	0.90	12.94	2.48	20.19	4.48	13.67	2.14	15.08	1.86	43.63	1.60	16.39	704.44	1103.42		
SMDH 00759	426.1	207.19	0.73	255.33	153.81	317.96	37.62	126.76	20.43	1.21	21.56	4.67	38.13	8.74	27.97	4.44	28.81	3.55	61.54	1.88	18.40	804.67	1492.78	1.40	
SMDH 00759	318.5	180.28	0.52	171.07	137.74	282.13	33.98	116.60	19.58	1.16	17.70	3.29	26.41	5.66	18.10	2.82	18.59	2.29	52.93	2.08	21.58	926.78	1415.11		1.59
SMDH 00759	56.4	44.48	0.08	20.79	35.28	75.92	9.28	31.08	4.96	0.45	3.75	0.55	3.57	0.75	2.38	0.34	2.89	0.37	13.49	0.95	12.74	607.59	621.49		
SMDH 00759	40.0	38.81	0.05	9.43	31.90	67.52	8.69	27.96	4.53	0.44	3.29	0.36	1.81	0.34	0.99	0.15	1.14	0.15	11.56	0.95	10.97	501.28	482.45		
SMDH 00759	198.2	119.76	0.32	100.83	91.29	188.53	23.46	77.54	11.29	1.06	10.89	2.03	16.73	3.70	10.41	1.63	11.88	1.54	34.68	1.71	15.57	696.88	1141.56		
SMDH 00759	125.1	76.08	0.16	63.23	59.38	120.77	14.88	50.50	8.60	0.70	7.49	1.33	9.38	2.25	6.04	0.97	7.23	0.95	21.53	1.28	14.15	607.18	904.92	2.40	1.45
SMDH 00759	417.9	151.55	0.67	290.15	97.34	202.67	24.80	79.85	14.23	0.97	19.75	4.69	42.20	9.97	30.33	4.86	34.18	4.44	37.63	1.82	17.45	741.86	989.35		
SMDH 00759	422.7	188.78	0.63	265.48	127.50	282.86	32.97	112.32	19.55	1.42	20.99	4.23	39.25	9.06	28.15	4.57	31.70	4.10	56.44	1.95	17.57	776.57	1323.24		
SMDH 00759	530.2	217.13	0.78	349.26	145.66	301.38	37.45	122.95	19.79	1.26	24.85	5.73	51.00	11.83	36.75	6.01	42.24	5.48	57.01	2.06	19.58	840.20	1240.02		
SMDH 00759	559.6	247.28	0.78	355.43	170.81	351.11	44.61	145.95	24.05	1.49	25.08	5.66	51.07	12.16	37.95	6.01	42.86	5.55	65.85	2.12	21.82	932.05	1138.61		1.89
SMDH 00759	242.8	121.58	0.34	143.38	89.89	185.61	22.91	73.84	11.95	0.76	13.50	2.46	22.37	5.20	15.05	2.48	16.73	2.16	33.66	1.67	19.34	840.06	1258.23	0.20	
SMDH 00759	242.8	121.58	0.34	143.38	89.89	185.61	22.91	73.84	11.95	0.76	13.50	2.46	22.37	5.20	15.05	2.48	16.73	2.16	33.66	1.67	19.34	840.06	1258.23	0.20	
SMDH 00760	98.8	84.11	0.09	30.10	70.79	151.12	16.46	61.36	10.21	1.01	7.60	1.01	5.28	1.04	3.09	0.47	2.99	0.38	28.33	2.03	12.03	549.64	630.85		
SMDH 00760	90.8	66.46	0.27	36.15	57.52	112.85	13.02	46.80	8.47	1.22	6.92	0.94	5.69	1.27	3.58	0.53	3.41	0.44	20.17	1.36	8.84	400.38	784.61	2.96	
SMDH 00760	129.9	59.38	0.30	79.43	34.46	75.80	9.88	36.98	6.85	0.96	7.15	1.50	11.02	2.37	8.30	1.43	9.09	1.35	17.91	1.04	5.78	377.68	858.12		
SMDH 00760	41.4	20.10	0.23	23.82	11.06	19.01	3.34	12.36	2.64	0.82	2.84	0.56	3.84	0.72	2.36	0.36	2.48	0.36	2.95	0.51	2.59	151.29	503.08		
SMDH 00760	53.9	31.26	0.23	26.72	18.98	34.61	5.28	20.80	3.69	1.22	4.31	0.72	4.46	0.85	2.60	0.46	2.79	0.41	8.05	0.60	2.00	115.63	629.98		1.56
SMDH 00760	67.3	51.19	0.14	24.06	32.72	76.78	9.51	36.05	6.55	1.56	5.67	0.90	4.74	0.79	2.30	0.30	1.96	0.29	12.69	1.58	3.42	278.26	660.32		
SMDH 00760	136.1	101.16	0.15	51.98	67.88	161.36	19.03	72.45	11.53	2.03	8.40	1.24	8.43	1.62	5.53	0.91	5.68	0.84	38.31	1.43	8.49	497.23	843.38	1.80	
SMDH 00760	79.5	61.54	0.16	28.29	43.31	93.96	11.49	44.60	7.36	1.20	4.99	0.72	4.72	0.87	2.90	0.48	2.79	0.41	21.19	0.82	6.25	375.79	770.92		
SMDH 00760	159.5	114.13	0.18	65.77	79.64	184.63	21.72	80.54	12.37	1.30	9.42	1.48	10.39	2.15	6.95	1.11	7.33	1.09	42.50	1.33	7.78	455.76	780.97		1.42

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00760	138.3	110.16	0.17	49.08	82.55	189.51	22.20	79.04	12.80	1.27	9.65	1.31	7.61	1.47	5.15	0.88	5.78	0.87	44.65	1.52	8.73	530.59	883.95		
SMDH 00760	167.9	103.68	0.26	82.09	68.35	162.45	19.03	70.60	10.84	1.15	9.42	1.69	12.35	2.56	8.95	1.45	9.60	1.42	39.33	1.81	14.51	832.90	1236.73		
SMDH 00760	136.0	108.19	0.14	48.00	79.41	187.31	22.07	76.73	12.50	1.93	9.08	1.37	8.02	1.59	4.94	0.84	5.58	0.84	42.61	1.81	12.50	728.22	1198.94	0.60	
SMDH 00760	100.5	81.25	0.13	34.70	61.71	147.34	17.25	57.20	9.52	1.80	7.49	1.10	5.69	1.07	3.45	0.52	3.30	0.49	31.39	1.10	7.90	456.57	959.19		1.50
SMDH 00760	134.3	95.64	0.17	55.97	63.69	182.07	18.66	66.91	12.03	1.40	9.31	1.46	8.61	1.72	5.26	0.91	6.09	0.91	48.62	1.71	14.03	815.21	1340.74		
SMDH 00760	95.9	71.34	0.15	37.48	51.81	117.85	14.26	50.15	8.17	1.38	6.58	1.07	5.86	1.18	3.80	0.60	3.72	0.55	26.75	0.95	8.84	503.98	1028.53		
SMDH 00760	106.6	103.01	0.11	24.78	75.92	184.75	22.36	75.00	12.14	1.21	8.17	0.94	4.72	0.76	2.33	0.40	2.58	0.38	39.55	1.54	9.32	567.47	872.33		
SMDH 00760	104.3	100.75	0.11	23.33	76.03	177.69	21.61	73.61	11.96	1.83	8.06	0.96	4.56	0.72	2.00	0.37	2.17	0.32	38.42	1.67	6.96	413.75	917.23	0.30	1.39
SMDH 00760	95.5	77.54	0.13	33.25	58.80	135.15	16.46	54.89	9.36	1.14	6.24	0.81	5.38	1.02	3.35	0.60	4.03	0.60	29.47	1.31	9.43	533.30	877.19		
SMDH 00760	119.1	73.47	0.27	58.88	48.79	116.26	14.14	48.76	8.61	0.88	7.60	1.37	9.20	1.87	6.22	1.04	6.61	0.99	29.13	1.65	9.55	554.91	1082.27		
SMDH 00760	86.6	66.79	0.12	32.28	49.37	108.34	13.77	46.34	7.90	1.27	6.70	1.04	5.64	0.98	2.92	0.45	2.79	0.41	20.85	1.40	6.13	364.58	1003.22		
SMDH 00760	68.6	56.18	0.09	22.97	42.38	91.77	11.95	39.64	6.42	1.42	4.65	0.70	3.90	0.77	2.25	0.41	2.58	0.38	17.45	1.30	5.90	336.89	712.15		1.56
SMDH 00774	81.4	63.24	0.15	29.14	52.16	114.07	12.08	45.99	7.81	1.09	6.13	0.75	4.42	0.93	2.76	0.45	2.89	0.38	20.51	1.72	9.91	454.00	696.55		1.48
SMDH 00774	92.1	65.33	0.17	36.99	53.21	110.17	12.12	45.76	7.98	1.87	6.47	0.92	6.54	1.24	3.41	0.53	3.41	0.45	19.27	1.51	6.37	288.26	1051.93		
SMDH 00774	76.5	62.76	0.09	25.27	44.83	103.47	12.53	44.49	7.23	1.05	5.79	0.88	4.86	0.85	2.46	0.42	2.58	0.38	21.99	1.53	7.90	483.18	599.47	1.20	
SMDH 00774	77.6	68.92	0.02	21.52	56.94	113.58	14.19	49.80	8.96	1.33	5.67	0.73	4.19	0.91	2.24	0.40	2.17	0.28	23.23	1.02	6.49	278.67	508.80		
SMDH 00774	85.3	65.47	0.07	32.16	56.70	114.31	13.67	45.88	8.36	1.33	5.90	0.76	5.16	1.13	3.55	0.50	3.20	0.41	23.46	1.26	11.09	444.82	657.37		
SMDH 00774	41.7	37.21	0.03	11.24	34.23	69.83	7.87	26.81	4.19	1.12	2.72	0.39	2.14	0.44	1.05	0.14	1.24	0.16	11.90	0.64	5.78	264.89	480.37		1.62
SMDH 00774	119.9	96.49	0.05	42.68	85.11	158.92	20.12	69.22	12.52	0.85	8.74	1.01	6.15	1.30	4.37	0.70	4.75	0.61	32.30	1.43	8.61	409.16	571.04		
SMDH 00774	125.4	108.37	0.11	38.93	93.38	194.50	23.36	77.08	14.02	1.42	9.76	0.96	6.97	1.34	4.30	0.62	4.65	0.60	38.99	1.56	8.49	359.85	780.97	1.32	
SMDH 00774	138.7	108.99	0.12	50.53	89.07	185.73	22.34	77.54	12.53	1.46	9.76	1.22	7.90	1.68	5.63	0.77	5.37	0.69	37.74	1.72	14.98	622.99	954.68		
SMDH 00774	138.0	123.76	0.06	37.84	103.05	213.15	25.36	90.83	15.58	1.81	10.21	1.17	6.40	1.24	3.62	0.63	3.92	0.51	43.63	1.81	11.91	521.00	849.80		1.56
SMDH 00775	86.8	83.47	0.05	19.58	65.79	165.99	16.90	61.71	10.13	0.67	6.70	0.92	3.94	0.71	1.93	0.29	1.76	0.20	31.17	2.48	18.99	854.92	405.83		
SMDH 00775	73.2	65.72	0.13	20.79	52.40	143.81	13.91	47.26	8.28	0.64	6.36	0.72	3.82	0.72	1.98	0.30	2.07	0.23	27.77	2.12	14.15	592.06	607.96		
SMDH 00775	100.6	91.71	0.10	27.56	76.85	162.33	19.35	65.87	11.54	0.73	8.06	1.03	5.46	0.96	2.87	0.49	2.79	0.37	35.36	2.53	16.16	685.80	702.96		
SMDH 00775	147.5	125.97	0.09	44.97	103.39	199.74	25.58	90.36	16.17	2.09	10.89	1.48	8.54	1.62	4.58	0.71	4.85	0.65	34.68	2.32	7.08	299.88	627.21		
SMDH 00775	119.1	90.62	0.10	44.13	71.38	145.02	17.28	65.87	11.82	1.60	8.40	1.24	6.24	1.47	4.68	0.73	4.96	0.66	27.77	1.94	8.84	354.72	660.84	2.38	
SMDH 00775	107.5	83.24	0.09	40.38	65.32	138.44	17.43	57.78	10.36	1.34	7.04	1.14	6.89	1.45	4.30	0.79	4.54	0.61	28.79	1.96	8.14	360.66	640.03		1.45
SMDH 00775	108.5	89.71	0.14	36.75	80.11	162.57	19.26	63.21	12.62	1.27	8.85	1.01	6.23	1.15	3.81	0.57	4.23	0.56	32.53	2.28	8.25	340.54	576.93		
SMDH 00775	73.0	48.44	0.07	33.49	38.19	78.36	9.91	33.16	6.65	0.98	4.54	0.79	4.57	1.10	3.61	0.52	3.61	0.47	15.53	1.42	5.07	233.69	514.70		
SMDH 00775	90.1	62.26	0.09	38.69	51.93	105.54	12.20	42.99	8.59	1.32	6.58	1.04	6.03	1.30	4.37	0.68	4.03	0.54	19.15	1.87	8.37	379.44	761.73		
SMDH 00775	86.0	69.36	0.02	29.74	57.75	112.61	14.36	49.80	9.34	1.27	6.13	0.71	4.48	1.02	3.52	0.52	2.89	0.38	21.19	1.72	7.78	332.16	520.76	1.59	1.53
SMDH 00775	90.3	74.58	0.09	29.14	60.43	130.40	15.08	52.58	9.21	1.70	6.58	0.87	6.05	1.02	3.30	0.50	2.89	0.38	24.93	1.71	7.67	340.67	588.72		
SMDH 00775	59.0	50.10	0.05	18.74	38.89	79.95	10.65	35.82	6.34	0.86	3.63	0.53	3.10	0.61	1.46	0.30	1.76	0.19	14.62	1.33	30.66	1638.52	567.40		
SMDH 00775	51.5	42.14	0.13	16.20	32.49	64.83	8.22	30.28	6.28	1.42	4.88	0.60	3.05	0.50	1.46	0.23	1.55	0.17	8.61	1.03	4.84	210.45	849.62		
SMDH 00775	75.4	60.22	0.09	25.15	46.57	94.21	11.14	43.45	5.92	1.21	5.45	0.85	4.78	0.84	2.11	0.29	2.38	0.25	15.64	1.57	7.55	343.78	674.36		1.51
SMDH 00775	91.4	84.55	0.06	22.49	69.63	142.95	16.91	61.59	12.16	1.27	7.94	0.94	5.10	0.79	1.80	0.27	1.55	0.17	25.16	2.32	9.55	384.03	678.87	1.77	
SMDH 00775	90.1	66.98	0.06	34.09	49.72	100.66	12.24	47.49	7.45	1.31	5.90	1.03	6.21	1.21	3.68	0.52	3.20	0.35	16.66	1.93	7.90	350.13	649.57		
SMDH 00775	80.0	66.59	0.05	25.87	52.16	105.05	13.30	47.96	8.49	0.88	6.58	0.86	4.47	0.88	2.64	0.44	2.58	0.28	18.47	1.97	8.96	363.91	653.73		
SMDH 00775	72.3	61.79	0.10	22.49	51.35	104.93	13.12	44.03	8.16	1.11	5.67	0.65	3.99	0.80	2.15	0.41	2.17	0.24	18.81	1.42	8.49	338.65	668.12		1.55
SMDH 00775	89.6	75.47	0.12	27.20	55.89	118.58	14.76	55.47	9.53	1.66	6.13	0.85	4.39	0.81	2.40	0.42	2.27	0.24	22.89	2.04	6.96	308.66	545.03		
SMDH 00775	86.7	72.19	0.11	26.84	62.18	124.79	13.76	52.46	8.03	1.46	6.81	0.94	5.03	0.88	2.33	0.32	1.65	0.24	19.61	1.81	9.43	393.49	728.27	1.25	
SMDH 00775	86.7	72.19	0.11	26.84	62.18	124.79	13.76	52.46	8.03	1.46	6.81	0.94	5.03	0.88	2.33	0.32	1.65	0.24	19.61	1.81	9.43	393.49	728.27	1.25	
SMDH 00641	114.0	85.19	0.14	43.28	66.48	141.86	16.48	59.97	11.22	1.98	7.72	1.22	7.52	1.51	4.69	0.72	4.54	0.51	23.69	2.01	12.50	527.49	1086.60	2.38	1.32
SMDH 00641	68.9	56.22	0.07	22.85	45.29	97.62	11.11	40.56	7.20	0.95	5.33	0.67	3.88	0.78	2.24	0.34	2.07	0.23	16.77	1.42	9.67	408.89	550.24		
SMDH 00641	106.9	89.43	0.09	33.61	76.85	162.70	17.56	64.94	10.57	1.46	8.51	1.24	5.68	1.17	3.63	0.41	2.99	0.44	26.18	2.24	13.56	542.89	737.29		
SMDH 00641	133.9	122.38	0.09	34.09	101.76	223.39	23.97	89.79	12.74	1.41	10.78	1.42	7.20	1.16	3.27	0.44	2.89	0.42	36.27	2.01	9.32	406.46	546.08		1.51
SMDH 00641	107.5	90.75	0.13	33.00	79.06	153.07	17.71	65.52	11.30	1.43	7.83	1.16	6.36	1.10	3.38	0.51	2.58	0.37	27.43	1.94	8.96	410.10	692.56		
SMDH 00641	89.5	78.24	0.09	25.27	67.65	150.75	15.14	57.43	9.81	1.15	6.70	0.87	4.79	0.94	2.76	0.38	2.27	0.33	25.39	1.72	11.44	464.68	692.74		
SMDH 00641	91.6	81.74	0.04	24.78	67.18	149.29	16.05	59.63	9.09	1.14	6.92	1.00	5.07	0.85	2.68	0.42	2.48	0.36	23.91	1.73	8.02	341.48	580.40	3.03	
SMDH 00641	119.9	101.90	0.09	34.94	81.39	165.50	18.29	75.57	10.82	1.40	8.28	1.22	6.82	1.15	3.21	0.45	2.17	0.32	28.67	2.29	6.72	293.39	641.42		1.44
SMDH 00641	97.4	83.64	0.10	28.05	66.95	138.20	15.66	61.71	9.44	1.42	7.38	0.98	5.29	1.01	2.28	0.41	1.96	0.29	20.51	2.30	6.49	285.02	860.37		
SMDH 00641	105.6	88.37	0.19	32.88	76.61	160.99	17.76	63.79	9.76	2.14	8.28	1.14	5.69	1.18	3.77	0.42	2.58	0.40	23.57	3.09	7.78	373.63	971.84		
SMDH 00641	98.8	79.33	0.16	33.13	66.37	137.96	15.31	56.51	8.83	1.63	7.83	1.17	6.34	1.26	3.25	0.48	2.89	0.43	21.31	2.76	8.14	375.66	820.50		
SMDH 00641	66.0	52.93	0.13	22.49	46.34	98.23	10.52	37.21	7.12	1.14	5.45	0.78	4.43	0.81	2.23	0.34	2.07	0.31	15.87	2.10	8.61	413.48	572.95	1.51	1.46
SMDH 00641	66.6	57.55	0.13	18.74	47.04	101.27	11.00	42.06	7.06	1.28	5.33	0.78	3.71	0.69	1.84	0.22	1.34	0.20	16.66	1.58	4.95	216.94	736.77		
SMDH 00641	65.2	70.69	0.05	8.70	62.99	132.96	15.23	52.46	9.49	1.01	6.47	0.57	2.43	0.35	0.81	0.07	0.52	0.08	25.73	1.71	6.49	282.99	625.82		
SMDH 00641	71.8	60.23	0.07	22.97	53.79	116.39	12.49	43.33	8.05	1.13	5.79	0.73	3.67	0.76	2.16	0.45	2.07	0.30	20.51	1.66	6.37	315.28	711.63		
SMDH 00641	100.4	85.59	0.16	30.71	74.52	162.57	17.49	61.48	11.43	1.56	8.06	0.96	5.66	1.06	3.49	0.52	3.20	0.48	29.35	1.99	8.61	396.32	837.49		1.46
SMDH 00648	108.9	90.41	0.09	35.42	72.77	151.85	18.43	65.06	11.61	1.47	7.94	1.12	5.79	1.17	3.47	0.53	3.61	0.40	27.99	2.27	16.86	749.02	804.72		
SMDH 00648	69.2	59.69	0.05	21.40	51.70	122.48	12.76	42.41	8.11	0.86	6.13	0.79	3.73	0.79	2.24	0.32	1.86	0.21	21.53	1.69	12.26	530.73	586.12		
SMDH 00648	65.6	61.44	0.08	15.72	49.72	125.77	12.23	44.84	6.15	0.71	5.56	0.70	3.67	0.50	1.74	0.25	1.45	0.22	20.63	1.41	5.78	283.80	439.29	1.22	
SMDH 00648	137.2	131.04	0.09	30.95	113.64	245.81	25.83	97.07	15.66	1.07	11.92	1.29	6.86	1.11	3.13	0.42	2.89	0.44	48.73	2.89	16.51	719.98	605.71		
SMDH 00648	114.6	106.30	0.11	29.26	91.17	196.09	22.14	77.08	12.49	1.15	9.19	1.07	6.01	0.93	2.44	0.39	2.07	0.31	37.29	2.68	6.13	279.75	578.32		
SMDH 00648	61.9	52.16	0.05	19.71	42.03	84.46	11.06	37.09	5.66	1.09	4.43	0.65	3.35	0.78	1.66	0.36	1.76	0.20	12.24	1.54	7.78	344.99	409.47		1.56
SMDH 00648	90.4	65.10	0.02	36.51	50.77	112.49	12.69	44.84	8.20	1.44	6.01	1.15	6.44	1.16	3.14	0.55	2.68	0.31	18.93	3.18	8.84	351.61	534.29		
SMDH 00648	110.4	77.33	0.13	46.42	54.49	120.29	14.83	52.92	8.11	1.44	8.17	1.35	8.22	1.60	4.21	0.71	4.13	0.48	20.97	3.82	7.90	336.21	497.36	1.89	
SMDH 00648	69.7	59.42	0.09	21.64	46.92	99.08	12.41	42.06	7.24	1.06	5.45	0.73	4.22	0.66	1.43	0.25	1.55	0.18	17.34	3.31	6.72	292.58	510.19		
SMDH 00648	82.0	62.12	0.04	31.07	46.57	99.45	12.76	42.52	6.05	1.60	6.81	0.98	5.86	0.99	2.59	0.41	2.27	0.27	17.34	3.36	6.84	262.46	508.63		1.46
SMDH 00648	80.6	60.95	0.05	30.95	48.20	103.22	12.24	42.52	6.40	0.94	5.67	0.73	5.45	0.96	2.58	0.40	2.27	0.27	17.45	2.59	7.78	344.45	640.55		
SMDH 00648	62.7	49.30	0.04	22.37	38.19	85.67	9.75	35.13	5.94	0.82	4.43	0.72	3.71	0.75	1.86	0.36	1.86	0.22	13.71	2.53	8.61	381.47	481.07		
SMDH 00648	62.7	49.30	0.04	22.37	38.19	85.67	9.75	35.13	5.94	0.82	4.43	0.72	3.71	0.75	1.86	0.36	1.86	0.22	13.71	2.53	8.61	381.47	481.07		
SMDH 00696	125.6	110.82	0.03	36.39	90.82	192.31	23.00	80.08	13.51	1.40	9.76	1.34	6.40	1.23	3.82	0.45	3.41	0.38	37.63	2.67	15.68	664.32	705.39		1.46
SMDH 00696	131.2	126.25	0.07	29.62	103.98	217.42	25.72	93.60	15.79	1.09	10.67	1.32	5.62	0.93	2.59	0.39	2.48	0.29	43.97	2.56	7.90	347.83	478.47	1.18	
SMDH 00696	51.9	47.07	0.08	15.47	41.33	87.62	11.26	32.47	5.98	0.61	4.09	0.48	2.85	0.50	1.42	0.28	1.55	0.17	18.25	1.47	8.61	385.11	362.49	5.49	
SMDH 00696	116.6	94.69	0.19	40.38	74.29	145.88	19.60	66.79	12.15	1.08	9.31	1.06	7.25	1.38	3.32	0.56	3.20	0.36	35.93	2.24	7.19	310.14	534.46		1.46

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00696	63.5	36.65	0.15	33.00	19.10	46.92	6.42	24.50	6.00	0.29	5.11	0.83	4.90	1.13	3.22	0.45	2.79	0.31	20.40	1.91	11.91	488.58	571.39		
SMDH 00696	103.0	90.34	0.11	30.71	72.54	155.02	19.29	64.48	9.77	1.26	6.92	0.98	5.59	0.96	2.82	0.53	2.79	0.30	32.87	1.74	11.44	469.94	836.79		
SMDH 00696	111.6	100.07	0.06	31.43	80.81	170.13	21.31	72.34	10.19	1.45	8.62	0.92	5.50	1.07	2.92	0.50	3.10	0.35	34.45	1.63	11.09	474.00	873.55		
SMDH 00696	72.1	65.21	0.07	19.71	49.49	103.95	14.14	46.68	7.83	1.35	4.09	0.62	3.76	0.68	1.97	0.32	2.27	0.25	22.55	1.21	7.78	322.71	595.66	2.18	1.44
SMDH 00696	121.4	104.41	0.08	37.24	83.48	165.62	21.74	76.15	13.98	1.54	8.40	1.00	5.52	1.29	3.24	0.63	3.92	0.44	33.32	1.50	7.19	317.03	638.47		
SMDH 00696	91.5	72.44	0.07	33.00	59.85	124.79	15.59	50.84	9.17	1.65	7.26	0.91	5.10	1.00	3.08	0.56	3.51	0.38	27.31	1.36	8.02	343.10	750.12		
SMDH 00696	119.0	103.02	0.10	35.18	80.69	171.96	20.52	75.00	13.60	1.36	8.97	1.16	6.35	1.40	3.94	0.59	4.13	0.50	39.89	2.36	11.44	441.98	690.13		
SMDH 00696	111.7	90.15	0.06	38.20	68.46	149.41	17.93	65.17	9.52	1.25	7.15	0.93	6.13	1.38	3.99	0.74	4.96	0.59	32.75	1.63	7.90	297.58	497.01		1.47
SMDH 00696	106.6	100.19	0.09	26.35	82.20	178.66	21.48	72.92	11.32	1.53	7.60	0.94	4.85	0.79	2.30	0.45	2.58	0.31	39.89	1.65	9.20	380.66	780.45	1.33	
SMDH 00695	106.1	77.78	0.21	41.35	61.25	127.35	14.95	54.43	9.04	1.91	7.72	1.20	7.20	1.49	4.29	0.57	4.03	0.48	21.87	1.87	10.26	415.64	1214.19		
SMDH 00695	94.4	72.61	0.11	34.70	57.17	121.87	14.42	51.31	9.07	1.56	7.15	1.07	5.81	1.22	3.67	0.51	3.41	0.40	22.67	2.12	12.15	501.28	948.26		
SMDH 00695	86.0	71.42	0.05	28.89	59.03	129.18	15.25	50.04	8.42	0.97	7.15	0.88	5.25	1.10	2.76	0.45	2.48	0.29	25.73	2.03	14.86	611.51	599.47		
SMDH 00695	99.8	83.55	0.08	31.67	64.27	139.18	16.87	59.97	9.83	1.46	6.70	0.93	5.78	1.24	3.32	0.54	2.89	0.35	26.97	1.53	9.67	376.33	852.40		
SMDH 00695	157.2	149.36	0.18	36.27	113.06	249.10	30.15	110.01	18.05	1.74	12.26	1.60	7.60	1.45	3.27	0.51	3.20	0.38	51.57	2.60	14.39	573.82	849.45		1.49
SMDH 00695	300.6	309.79	0.10	52.47	244.17	539.52	63.45	230.53	38.76	1.76	25.19	2.71	13.09	1.96	4.64	0.55	3.82	0.46	112.65	5.20	17.45	731.59	707.64		
SMDH 00695	50.9	35.20	0.16	21.28	20.26	45.46	6.52	24.15	3.82	0.94	3.97	0.56	3.97	0.93	1.96	0.27	1.65	0.20	6.80	0.54	2.83	119.28	859.85	1.74	
SMDH 00710	118.8	91.35	0.18	44.01	72.66	155.87	18.35	64.13	11.42	1.83	9.19	1.24	7.63	1.41	4.71	0.70	4.13	0.49	28.67	2.42	14.27	613.13	1073.60		1.40
SMDH 00710	124.7	107.58	0.09	36.75	86.05	184.51	21.24	77.88	13.66	1.61	9.65	1.40	7.06	1.29	3.63	0.62	3.41	0.40	35.47	2.66	22.17	984.33	830.73		
SMDH 00710	71.5	62.11	0.09	21.04	48.67	108.34	12.52	45.41	7.93	0.88	5.79	0.70	3.48	0.81	1.77	0.38	2.58	0.31	21.42	1.41	9.20	368.50	417.96		
SMDH 00710	81.2	66.09	0.14	24.90	47.51	101.88	11.34	49.57	6.68	1.54	6.92	0.85	4.33	0.94	2.15	0.37	2.17	0.30	17.00	1.03	6.13	287.86	698.63		1.51
SMDH 00710	125.4	109.75	0.09	34.21	82.55	174.03	19.81	82.51	12.56	1.21	11.01	1.16	6.28	1.33	3.52	0.48	3.30	0.46	31.96	1.73	7.90	345.26	768.49		
SMDH 00710	135.6	125.64	0.09	30.83	93.26	197.18	21.96	97.18	13.98	1.06	10.78	1.17	5.33	1.31	3.08	0.40	2.89	0.41	36.04	1.53	6.49	295.56	702.96		
SMDH 00710	101.3	85.02	0.05	29.86	61.01	136.49	14.73	64.25	9.29	1.20	7.94	0.98	5.06	1.25	2.65	0.47	2.79	0.39	26.29	1.52	8.49	389.44	613.16	2.09	
SMDH 00710	88.7	77.12	0.09	24.42	58.92	127.35	13.66	58.36	9.00	0.82	7.15	0.83	4.27	1.06	2.20	0.37	2.58	0.36	23.23	1.48	8.14	372.55	602.76		1.51
SMDH 00710	128.0	123.43	0.06	25.63	93.38	200.96	22.42	94.18	15.28	1.37	11.92	1.18	5.65	1.00	2.02	0.34	2.48	0.34	37.29	1.70	6.49	328.65	770.40		
SMDH 00710	156.6	150.66	0.09	31.07	114.92	234.72	26.53	116.94	14.48	1.35	14.75	1.33	5.86	1.42	2.41	0.42	2.58	0.36	43.07	2.51	13.21	611.24	787.91		
SMDH 00710	120.6	108.64	0.06	31.07	83.60	180.98	20.31	81.70	13.38	1.22	10.67	1.16	5.47	1.24	2.57	0.35	2.58	0.36	32.75	1.72	8.49	391.73	734.51		
SMDH 00710	121.1	103.59	0.11	36.15	82.20	179.15	20.17	76.04	12.76	1.49	9.53	1.15	6.24	1.33	3.35	0.55	2.99	0.39	34.23	1.87	8.02	347.02	715.10	0.93	1.68
SMDH 00710	151.3	136.15	0.09	39.05	100.60	220.95	25.30	102.38	14.49	1.41	12.48	1.45	7.02	1.61	3.28	0.55	2.99	0.39	44.99	2.17	11.79	480.48	814.95		
SMDH 00710	151.3	136.15	0.09	39.05	100.60	220.95	25.30	102.38	14.49	1.41	12.48	1.45	7.02	1.61	3.28	0.55	2.99	0.39	44.99	2.17	11.79	480.48	814.95		
SMDH 00711	106.2	86.19	0.12	35.91	69.40	145.63	17.25	61.48	10.53	1.41	8.17	1.12	6.34	1.24	3.76	0.48	3.51	0.41	27.31	2.24	16.63	680.94	870.77	1.08	
SMDH 00711	116.1	101.39	0.05	34.58	81.39	172.93	21.03	72.80	11.82	1.18	9.19	1.19	6.36	1.19	3.62	0.45	3.20	0.38	33.55	2.99	23.70	1012.56	715.62		
SMDH 00711	118.0	100.58	0.12	35.06	77.20	170.98	19.19	73.96	11.59	1.56	10.10	1.08	6.36	1.33	3.46	0.46	3.10	0.40	31.73	2.63	15.80	624.88	898.34		
SMDH 00711	96.2	83.77	0.05	27.56	68.00	146.49	16.30	61.59	8.74	1.20	8.06	0.88	4.99	1.08	2.23	0.32	2.07	0.28	30.15	1.99	14.51	630.96	727.06		
SMDH 00711	86.1	74.77	0.07	24.90	61.25	136.86	14.44	55.00	8.19	0.88	6.81	0.79	4.53	1.03	2.05	0.32	2.17	0.28	25.73	1.79	12.62	574.09	575.20		1.53
SMDH 00711	88.7	73.97	0.10	27.56	56.94	122.97	13.84	55.24	9.34	0.96	6.47	0.72	4.17	0.89	2.54	0.44	2.58	0.34	26.63	1.53	10.97	465.22	833.15	2.52	
SMDH 00711	64.1	55.16	0.10	18.26	42.27	86.65	9.83	41.95	6.67	0.56	4.88	0.55	2.83	0.70	1.47	0.29	1.55	0.21	17.79	1.08	11.79	486.29	671.41		
SMDH 00711	56.7	52.48	0.08	13.54	42.73	90.91	10.22	39.52	6.38	0.85	4.88	0.52	2.23	0.50	1.25	0.16	1.03	0.13	19.49	1.14	9.91	410.64	729.14		
SMDH 00711	26.8	25.99	0.05	4.96	23.29	47.53	5.28	19.88	2.47	1.17	2.04	0.13	0.71	0.20	0.40	0.08	0.41	0.06	9.07	0.65	9.67	410.24	650.44		1.54
SMDH 00711	52.2	53.13	0.09	8.70	45.76	97.25	11.30	39.75	6.05	1.65	3.75	0.45	1.63	0.31	0.70	0.13	0.72	0.09	17.79	1.01	15.92	655.00	742.14		
SMDH 00711	73.1	61.99	0.20	22.37	52.63	110.05	12.90	45.18	7.53	1.65	5.22	0.67	3.24	0.78	2.19	0.31	2.17	0.27	22.33	1.23	11.44	457.11	832.29	2.17	
SMDH 00711	157.5	146.59	0.19	40.62	115.97	252.76	30.90	106.77	16.79	1.17	12.48	1.50	7.41	1.36	3.72	0.62	3.92	0.49	52.47	2.66	13.56	556.39	892.96	2.10	
SMDH 00711	100.9	93.69	0.08	25.15	73.01	159.65	19.35	68.99	11.18	1.38	6.92	0.75	4.61	0.89	2.14	0.42	2.48	0.31	31.17	1.56	10.38	472.24	742.49		1.51
SMDH 00711	58.1	52.18	0.09	14.87	40.75	85.55	10.35	38.94	6.54	1.44	3.63	0.50	2.39	0.51	1.24	0.28	1.24	0.16	17.00	0.96	14.62	558.83	742.14		
SMDH 00711	102.5	92.61	0.15	27.32	72.07	155.63	19.05	67.83	10.68	1.56	7.83	1.00	4.74	0.99	2.19	0.41	2.58	0.33	34.23	1.65	16.04	600.57	882.39		
SMDH 00711	156.0	141.32	0.10	44.37	120.63	257.88	31.37	101.23	16.74	1.63	11.69	1.47	7.26	1.54	3.98	0.67	3.72	0.46	48.28	2.05	12.15	468.05	860.72	0.92	
SMDH 00711	144.4	130.91	0.15	37.84	102.46	220.46	25.86	97.07	14.23	1.52	10.21	1.32	6.66	1.21	3.08	0.49	3.61	0.45	43.75	2.04	12.38	529.92	887.59		1.50
SMDH 00711	144.4	130.91	0.15	37.84	102.46	220.46	25.86	97.07	14.23	1.52	10.21	1.32	6.66	1.21	3.08	0.49	3.61	0.45	43.75	2.04	12.38	529.92	887.59		1.50
SMDH 00712	102.8	91.07	0.06	30.34	74.05	176.59	19.60	64.94	11.84	1.01	7.94	1.10	5.43	1.04	2.96	0.44	3.20	0.37	34.00	2.71	22.64	945.97	745.44		1.51
SMDH 00712	102.1	89.98	0.07	28.65	72.54	144.78	17.79	65.40	10.91	1.23	7.72	0.93	5.85	1.03	2.56	0.39	2.48	0.29	28.90	1.91	12.26	523.30	624.43		
SMDH 00712	51.0	25.63	0.31	28.41	19.21	35.71	4.13	16.64	3.51	1.06	3.52	0.59	4.27	1.03	2.51	0.47	2.68	0.34	6.01	0.71	2.83	116.17	683.20		
SMDH 00712	37.2	16.19	0.15	22.49	9.43	22.67	2.63	10.40	2.72	1.17	2.50	0.45	2.72	0.75	2.09	0.39	2.48	0.32	3.06	0.55	2.00	70.92	508.46		
SMDH 00712	34.8	15.00	0.21	21.16	7.92	14.14	2.16	8.67	2.54	0.79	2.84	0.55	3.63	0.70	1.96	0.32	2.17	0.28	1.36	0.44	1.53	61.33	690.31		
SMDH 00712	36.3	15.10	0.34	22.12	6.52	17.43	1.83	9.59	2.07	0.89	3.06	0.49	3.18	0.77	2.42	0.38	2.38	0.31	1.70	0.48	2.36	88.75	903.88	3.94	1.70
SMDH 00727	35.8	30.37	0.02	11.12	25.27	56.43	6.18	21.96	3.25	0.54	2.50	0.41	1.82	0.38	0.95	0.17	1.14	0.14	10.65	0.80	4.84	218.15	283.79		
SMDH 00727	29.5	24.82	0.00	9.19	20.03	46.68	4.87	18.26	3.39	0.37	2.50	0.29	1.41	0.30	0.86	0.16	0.83	0.09	8.16	0.66	4.25	171.82	226.75	0.31	
SMDH 00727	71.9	59.65	0.03	23.33	52.75	114.19	12.12	43.10	6.55	0.99	5.67	0.72	3.71	0.93	2.15	0.36	2.38	0.32	19.49	1.43	8.37	343.24	480.03		
SMDH 00727	95.1	77.80	0.13	31.67	66.37	143.20	15.64	55.81	10.16	1.30	7.26	1.06	5.29	1.21	2.90	0.51	3.41	0.44	25.61	1.94	12.15	524.65	769.19		
SMDH 00727	162.9	101.77	0.14	79.06	80.81	159.65	18.62	70.84	10.29	0.70	9.31	1.49	10.82	2.76	8.00	1.49	9.40	1.24	30.26	1.86	14.39	608.81	752.20		
SMDH 00727	202.4	112.80	0.38	110.50	87.79	176.83	21.52	73.72	12.90	0.61	11.01	2.16	15.40	3.75	10.84	2.02	12.29	1.62	32.75	2.24	15.68	620.56	1420.84		1.35
SMDH 00727	269.8	140.17	0.47	154.38	107.12	222.41	25.89	91.87	15.61	1.11	14.41	2.72	19.70	5.28	15.56	2.77	18.79	2.49	41.25	2.31	18.28	741.72	1343.69	3.06	
SMDH 00727	176.3	106.09	0.31	88.25	84.07	167.45	19.11	72.34	11.23	1.08	9.99	1.88	12.76	3.12	9.47	1.61	11.26	1.49	31.73	2.16	16.63	679.18	1260.48		
SMDH 00727	131.3	104.57	0.21	46.42	83.14	176.95	21.20	75.57	10.96	1.52	8.51	1.32	6.47	1.54	4.61	0.73	4.34	0.56	32.30	1.96	10.85	456.17	782.36		
SMDH 00727	150.6	59.27	0.34	100.10	36.21	72.39	9.64	34.09	6.58	0.83	8.17	1.64	13.90	3.33	10.07	1.85	10.95	1.45	12.81	1.27	12.26	492.64	1638.23		1.39
SMDH 00727	136.1	84.01	0.41	67.34	63.11	135.52	16.25	57.20	9.27	1.01	9.08	1.47	9.09	2.33	5.91	1.37	7.44	0.98	23.12	1.21	12.26	499.26	1188.88		
SMDH 00727	182.2	167.41	0.14	48.96	142.28	302.85	35.74	121.10	20.38	1.55	13.62	1.73	8.83	1.77	3.82	0.62	4.03	0.53	56.10	2.29	11.67	495.61	905.79	1.06	
SMDH 00727	57.0	40.69	0.05	23.21	35.86	71.42	8.18	28.31	4.17	1.26	3.06	0.61	3.60	0.81	2.18	0.34	2.17	0.28	12.13	0.57	6.72	289.88	638.99		
SMDH 00742	97.7	82.72	0.05	31.43	66.95	142.47	17.48	59.05	10.31	1.05	7.49	1.07	5.13	1.13	3.34	0.47	3.10	0.35	28.22	2.29	17.10	698.77	671.59		1.45
SMDH 00742	111.2	95.32	0.09	34.70	79.76	168.91	19.95	67.60	11.34	1.12	8.97	1.18	6.59	1.10	3.23	0.48	3.10	0.35	33.21	2.53	20.76	896.66	765.20		
SMDH 00742	141.7	131.22	0.09	35.78	109.45	237.04	26.60	96.72	15.94	1.34	11.01	1.43	6.47	1.45	3.48	0.52	3.51	0.46	47.49	3.03	21.93	930.70	740.41		1.43
SMDH 00742	114.7	101.63	0.13	32.40	83.95	186.22	20.28	74.19	10.60	0.97	8.51	1.19	5.97	1.16	2.98	0.51	2.99	0.39	36.61	2.30	17.34	705.93	753.24		
SMDH 00742	137.0	118.05	0.09	42.80	98.04	211.44	25.00	84.12	14.67	1.17	10.33	1.48	7.45	1.46	4.01	0.64	4.34	0.56	40.80	2.97	27.59	1146.96	925.55		
SMDH 00742	95.5	81.40	0.08	30.10	65.20	142.22	16.84	58.93	9.29	0.88	6.24	0.84	4.78	1.01	2.86	0.40	3.30	0.44	27.20	1.67	14.62	575.17	676.27	18.75	
SMDH 00742	82.4	74.84	0.05	22.85	63.11	137.71	16.01	54.43	8.50	0.69	6.01	0.69	3.72	0.82	2.31	0.37	2.79	0.36	24.48	1.29	12.03	492.77	740.06		1.40
SMDH 00742	97.8	76.32	0.07	34.94	65.79	142.10	14.91	55.58	9.26	1.47	6.47	0.91	4.92	1.19	3.21	0.54	3.51	0.45	25.61	1.46	10.73	422.80	701.06		1.33
SMDH 00742	67.1	48.59	0.07	26.35	40.40	91.89	8.82	34.78	5.44	0.98	4.77	0.78	4.21	1.08	2.57	0.35	3.82	0.49	15.87	0.85	6.84	282.59	485.23		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00742	80.3	53.71	0.13	35.30	40.87	92.62	9.77	38.48	6.99	1.02	4.65	0.80	4.66	1.26	3.63	0.55	4.34	0.55	16.55	1.12	8.25	315.28	507.42		
SMDH 00742	94.1	68.26	0.13	38.57	56.01	123.82	13.67	48.19	8.21	0.96	5.22	0.87	5.53	1.37	4.10	0.62	4.44	0.56	21.53	1.35	11.56	484.80	596.35	1.94	1.55
SMDH 00742	91.2	62.72	0.08	39.90	53.33	115.90	12.47	43.91	7.48	1.04	5.90	0.71	5.63	1.51	4.57	0.68	4.44	0.57	20.06	1.29	9.55	402.40	648.70		
SMDH 00742	87.1	67.95	0.04	30.71	58.45	129.55	12.69	50.04	8.19	1.15	6.24	0.80	4.43	1.13	2.98	0.51	3.92	0.50	22.55	1.62	6.96	305.42	565.32		
SMDH 00742	104.4	92.22	0.10	28.53	76.61	166.11	17.32	68.87	10.55	0.94	8.28	0.92	5.10	0.87	2.91	0.37	3.20	0.41	30.94	3.21	11.44	429.69	735.73		
SMDH 00742	127.7	110.40	0.19	39.90	101.42	222.17	23.58	79.39	13.89	0.94	9.53	1.14	6.30	1.63	4.44	0.69	5.47	0.70	43.29	3.10	13.09	510.87	612.47		1.63
SMDH 00743	119.4	104.46	0.09	34.94	86.86	184.63	21.35	75.92	11.35	1.33	10.10	1.10	6.09	1.19	3.17	0.54	3.30	0.36	34.11	2.18	14.86	619.61	658.93		
SMDH 00743	113.0	108.10	0.06	25.99	89.89	189.51	22.29	78.92	13.65	1.20	9.42	1.22	5.67	0.99	2.61	0.35	2.17	0.24	38.53	2.32	8.84	368.36	437.90		1.54
SMDH 00743	85.0	64.02	0.10	33.25	55.19	115.04	13.14	45.18	8.23	0.85	5.79	0.79	4.90	1.01	3.73	0.62	3.51	0.52	21.87	1.81	8.49	358.77	605.71	2.54	
SMDH 00743	116.0	96.97	0.05	38.32	83.72	184.75	20.29	68.18	12.21	0.99	8.62	1.10	7.40	1.36	4.16	0.53	2.58	0.38	35.47	2.60	19.34	799.94	886.90		
SMDH 00743	155.7	144.71	0.11	41.95	135.07	284.69	32.01	100.88	18.25	1.07	12.26	1.70	10.12	1.81	5.02	0.66	3.51	0.52	58.14	3.57	29.60	1176.82	935.44		
SMDH 00743	142.3	137.78	0.04	33.61	123.54	266.89	30.11	98.68	16.98	0.98	10.21	1.38	7.61	1.49	3.77	0.54	2.99	0.44	53.49	2.64	12.85	500.61	532.38		1.52
SMDH 00743	214.5	214.23	0.09	46.42	189.09	402.90	47.00	154.73	29.48	0.84	17.59	2.12	10.39	1.74	5.43	0.70	4.34	0.64	82.05	4.08	18.75	777.39	725.50		
SMDH 00743	121.0	83.60	0.10	54.04	73.24	153.07	17.67	56.39	11.23	0.99	7.60	1.02	8.51	2.16	7.69	1.01	7.95	1.18	33.09	1.06	7.90	344.32	718.57	1.74	
SMDH 00743	133.1	125.43	0.06	33.97	113.18	244.47	27.30	90.48	16.98	1.04	10.89	1.26	6.39	1.39	3.79	0.55	2.89	0.43	56.89	1.47	7.55	276.51	571.39		
SMDH 00743	144.8	136.72	0.08	36.15	115.15	243.74	29.39	100.76	17.55	1.33	11.35	1.23	5.34	1.25	3.12	0.51	3.10	0.39	50.89	1.85	13.68	562.20	671.76		1.46
SMDH 00743	135.1	122.85	0.09	35.91	97.11	209.86	25.44	89.09	18.21	1.82	9.19	1.17	7.15	1.38	3.35	0.54	3.41	0.43	43.41	2.09	13.56	499.80	784.44		
SMDH 00743	145.6	124.22	0.11	44.97	102.81	219.37	25.52	89.21	14.48	1.88	13.50	1.48	8.01	1.41	3.91	0.58	4.65	0.59	47.37	2.60	14.62	567.07	837.84		
SMDH 00743	84.7	76.92	0.13	22.61	63.69	136.25	16.49	55.70	9.46	1.62	7.15	0.78	3.95	0.92	2.43	0.25	2.38	0.30	27.20	1.14	8.37	312.03	611.08	1.05	
SMDH 00743	128.0	120.92	0.13	31.43	103.16	219.00	26.05	88.17	14.80	1.73	11.92	1.22	5.49	1.13	3.10	0.39	3.20	0.40	42.27	1.91	11.09	426.58	787.91		1.58
SMDH 00743	128.0	120.92	0.13	31.43	103.16	219.00	26.05	88.17	14.80	1.73	11.92	1.22	5.49	1.13	3.10	0.39	3.20	0.40	42.27	1.91	11.09	426.58	787.91		1.58
SMDH 00744	57.5	51.00	0.10	16.44	39.24	100.54	10.63	36.28	6.69	0.71	4.65	0.75	3.34	0.70	1.75	0.25	1.86	0.21	20.17	1.87	10.61	445.63	466.50	0.35	
SMDH 00744	92.3	75.16	0.09	30.95	62.06	130.77	15.30	53.16	9.12	1.53	7.38	1.08	5.63	1.03	3.16	0.51	2.79	0.31	18.81	1.46	8.61	360.26	584.39		
SMDH 00744	78.5	60.05	0.09	29.86	52.75	108.59	12.76	41.83	7.43	1.35	6.01	0.91	4.55	0.81	2.68	0.34	2.48	0.32	18.93	1.44	8.25	317.57	658.06		
SMDH 00744	112.0	99.19	0.13	32.04	81.62	184.39	20.38	71.41	12.58	1.16	9.19	1.11	6.28	1.02	3.06	0.51	3.30	0.41	35.25	2.25	14.27	562.20	667.77		
SMDH 00744	96.6	90.45	0.07	23.21	76.03	162.94	18.08	67.60	10.46	0.98	7.72	0.90	3.87	0.79	2.01	0.33	2.48	0.32	30.94	1.93	9.67	415.37	638.65		
SMDH 00744	32.4	26.57	0.09	9.19	23.29	43.02	4.96	19.88	2.92	1.60	1.93	0.21	1.52	0.25	0.68	0.07	1.14	0.15	6.69	0.76	8.73	396.32	610.22	2.47	1.61
SMDH 00744	11.3	8.05	0.09	3.39	7.57	11.94	1.66	5.78	1.02	1.57	0.68	0.06	0.55	0.16	0.41	0.03	0.41	0.04	1.13	0.39	6.49	275.02	414.67		
SMDH 00744	10.7	8.49	0.11	2.90	6.87	12.43	1.41	6.70	0.77	0.74	0.68	0.08	0.30	0.13	0.30	0.07	0.41	0.04	1.59	0.60	9.91	452.38	560.46		
SMDH 00744	56.3	62.43	0.02	7.25	55.07	114.68	14.19	45.41	7.07	0.80	5.11	0.52	2.31	0.27	0.70	0.10	0.41	0.05	18.25	1.21	11.56	466.03	665.00		
SMDH 00744	44.1	45.04	0.09	7.74	39.01	78.61	9.37	33.63	5.28	0.74	3.40	0.40	1.64	0.21	0.52	0.07	0.62	0.08	12.81	0.94	11.32	496.01	685.97		1.53
SMDH 00744	60.4	65.09	0.02	8.83	54.49	112.61	14.08	48.07	7.15	0.56	4.88	0.59	2.35	0.25	0.59	0.10	0.72	0.09	19.27	1.29	10.61	470.21	697.42	1.68	
SMDH 00744	88.7	92.73	0.12	14.14	79.53	161.60	19.58	68.99	11.45	1.36	6.81	0.83	3.34	0.45	0.93	0.13	0.62	0.07	26.63	1.80	11.56	464.68	647.66		
SMDH 00744	88.7	92.73	0.12	14.14	79.53	161.60	19.58	68.99	11.45	1.36	6.81	0.83	3.34	0.45	0.93	0.13	0.62	0.07	26.63	1.80	11.56	464.68	647.66		
SMDH 00728	53.8	49.83	0.04	14.14	43.55	91.77	10.65	36.05	6.39	0.52	4.31	0.54	2.59	0.51	1.47	0.19	1.45	0.16	20.17	1.52	11.44	481.56	392.48		
SMDH 00728	75.1	68.79	0.10	19.95	56.70	127.35	14.56	49.80	9.53	0.90	6.36	0.73	3.68	0.65	2.03	0.33	1.65	0.18	25.73	1.79	7.90	340.94	538.62		1.51
SMDH 00728	54.8	54.39	0.10	11.00	44.25	93.35	11.42	40.79	6.36	0.78	4.20	0.40	1.78	0.35	0.97	0.15	1.14	0.14	18.36	0.98	4.36	213.97	353.30		
SMDH 00728	107.3	104.61	0.06	22.97	86.28	184.75	21.77	76.61	14.30	1.45	9.19	1.01	5.22	0.73	1.79	0.27	1.76	0.21	43.29	1.96	6.72	255.30	437.21		1.51
SMDH 00728	81.7	69.25	0.09	25.27	58.10	123.45	13.60	51.08	9.04	0.75	6.24	0.63	3.94	0.79	2.15	0.41	2.58	0.31	19.83	1.53	11.56	507.36	515.56		
SMDH 00728	59.9	52.65	0.02	17.17	48.79	97.37	10.83	38.94	5.12	0.88	4.77	0.50	2.37	0.53	1.86	0.30	2.17	0.27	17.57	1.22	9.32	382.68	570.87	1.92	
SMDH 00728	24.7	19.05	0.03	8.22	18.16	35.22	4.02	13.75	1.48	1.50	1.59	0.32	0.95	0.25	0.79	0.11	0.83	0.10	6.12	0.70	10.14	445.90	550.58		
SMDH 00728	71.0	64.26	0.09	19.22	56.47	114.80	13.28	47.15	7.55	0.79	4.99	0.69	3.15	0.60	1.91	0.25	2.38	0.30	19.72	1.58	11.32	498.31	725.15		1.43
SMDH 00728	50.1	41.48	0.07	17.53	40.40	82.75	10.01	28.31	4.59	1.14	3.86	0.49	2.66	0.55	1.65	0.29	2.07	0.26	13.83	1.02	8.61	368.09	650.09		
SMDH 00728	31.4	31.04	0.09	5.56	25.85	55.94	6.41	22.88	3.67	1.23	2.04	0.29	1.46	0.19	0.57	0.05	0.41	0.05	9.18	0.62	7.55	300.69	552.32		
SMDH 00728	26.9	25.83	0.05	4.71	23.05	46.07	5.35	19.64	2.48	1.66	1.82	0.17	0.67	0.13	0.41	0.06	0.93	0.12	7.37	0.74	9.20	362.01	627.55	1.09	
SMDH 00728	45.4	39.82	0.08	12.69	34.35	73.37	8.24	29.00	3.86	1.14	2.95	0.46	2.12	0.34	1.42	0.15	1.34	0.17	13.03	1.19	11.09	436.31	726.54		1.55
SMDH 00728	85.1	83.68	0.11	18.50	70.79	157.58	18.55	61.13	10.46	1.49	6.92	0.71	3.28	0.67	1.60	0.31	1.86	0.23	34.68	1.76	11.67	479.80	754.45		
SMDH 00728	51.3	54.34	0.08	6.53	47.27	98.35	11.14	41.02	6.66	1.54	3.86	0.41	1.76	0.23	0.49	0.07	0.41	0.05	19.61	1.00	7.31	278.94	702.10		
SMDH 00773	93.7	85.41	0.20	23.94	67.88	144.54	16.97	62.63	12.01	1.30	7.26	0.98	4.83	0.91	2.26	0.33	2.07	0.23	27.88	1.23	8.14	339.46	1100.47		
SMDH 00773	37.3	20.57	0.27	19.10	9.66	21.08	3.24	13.40	4.14	0.85	3.06	0.62	3.31	0.80	2.06	0.27	1.65	0.18	2.15	0.19	2.71	108.06	1219.74	2.48	
SMDH 00773	36.0	29.38	0.12	10.88	25.50	51.92	5.96	21.03	3.54	1.69	3.18	0.36	2.03	0.41	1.04	0.15	0.93	0.12	9.52	0.39	2.36	106.17	918.97		
SMDH 00773	17.5	15.22	0.05	3.75	15.14	30.35	3.32	11.09	1.85	1.81	1.36	0.13	0.68	0.15	0.30	0.06	0.62	0.08	4.65	0.21	2.48	105.36	563.76	0.97	1.67
SMDH 00773	28.8	25.99	0.06	6.53	27.83	57.03	6.04	18.26	2.95	2.37	2.61	0.26	1.43	0.19	0.42	0.08	0.52	0.06	5.78	0.31	2.71	110.09	604.84		
SMDH 00773	59.8	58.69	0.05	11.48	50.53	99.45	12.65	42.52	6.45	2.27	4.31	0.60	2.92	0.41	1.05	0.15	0.72	0.09	16.89	0.46	2.00	85.78	416.58		
SMDH 00772	153.2	132.54	0.13	46.18	105.37	226.19	26.62	96.37	15.61	1.12	10.78	1.40	8.15	1.56	4.70	0.68	4.34	0.47	45.45	2.92	18.63	760.10	825.70		
SMDH 00772	107.9	85.89	0.16	37.24	68.93	147.95	16.76	61.82	10.50	1.56	7.38	1.03	6.28	1.46	3.90	0.62	3.92	0.43	25.95	1.95	9.55	419.83	791.55		1.36
SMDH 00772	93.6	66.44	0.12	39.53	53.09	113.34	13.84	46.22	8.67	1.47	5.79	0.81	5.56	1.18	3.74	0.52	4.54	0.58	19.38	1.35	10.26	397.54	933.01		
SMDH 00772	94.1	70.44	0.09	36.27	57.29	121.63	14.11	48.76	7.54	1.52	6.36	1.11	6.46	1.39	3.68	0.58	4.23	0.54	21.53	1.66	7.43	314.47	854.13		1.52
SMDH 00772	90.7	64.33	0.11	38.32	51.81	110.05	13.31	44.03	5.92	1.38	4.99	1.02	5.97	1.56	3.80	0.50	4.23	0.53	19.83	1.06	6.84	310.41	610.04	0.65	
SMDH 00772	102.8	85.60	0.11	33.49	65.79	137.47	17.71	61.71	10.73	1.44	6.92	1.11	5.07	1.25	3.32	0.42	3.20	0.40	24.82	1.48	7.08	299.74	819.98		
SMDH 00772	102.2	84.37	0.14	34.82	71.72	151.73	18.26	58.70	10.80	1.30	7.26	1.10	6.30	1.08	3.30	0.53	3.41	0.43	27.99	1.96	10.61	464.68	756.18		
SMDH 00772	102.2	84.37	0.14	34.82	71.72	151.73	18.26	58.70	10.80	1.30	7.26	1.10	6.30	1.08	3.30	0.53	3.41	0.43	27.99	1.96	10.61	464.68	756.18		
SMDH 00771	174.4	151.48	0.14	52.59	120.74	260.44	30.94	110.01	18.28	1.28	12.37	1.70	8.83	1.85	5.08	0.86	4.85	0.52	52.81	2.59	19.34	841.01	1107.75		
SMDH 00771	182.0	127.70	0.27	77.98	100.25	211.32	25.11	88.98	14.54	1.42	12.60	1.95	11.66	2.77	8.19	1.25	7.75	0.85	44.88	1.53	14.74	618.26	1237.94		
SMDH 00771	100.6	83.83	0.15	32.64	69.28	140.15	16.91	60.90	9.66	1.09	7.72	0.99	5.03	0.98	3.19	0.58	3.10	0.42	30.15	1.16	6.60	297.72	643.68		1.51
SMDH 00771	116.4	103.65	0.09	33.73	87.09	190.12	21.89	75.34	12.10	0.93	9.31	1.11	5.30	1.05	2.86	0.44	2.99	0.39	42.05	1.55	10.97	465.49	830.73		
SMDH 00771	135.9	112.65	0.15	44.85	91.75	190.60	22.40	81.81	12.33	0.84	10.10	1.24	7.20	1.25	4.94	0.86	4.85	0.64	40.35	1.40	10.26	472.24	728.62	3.24	
SMDH 00771	174.0	114.46	0.23	81.24	94.08	186.46	22.74	76.96	12.43	1.05	10.55	1.87	12.88	2.57	7.92	1.27	8.16	1.06	35.36	1.24	12.74	510.33	1051.41		
SMDH 00771	197.4	135.40	0.29	88.13	111.20	232.65	27.12	91.98	14.71	1.01	11.01	2.01	14.29	2.90	8.73	1.39	9.60	1.24	41.25	1.58	24.18	980.41	2209.26		1.52
SMDH 00771	164.1	132.20	0.13	59.12	117.02	240.20	28.44	92.56	16.26	1.26	10.89	1.46	9.74	2.08	6.47	1.01	6.82	0.89	47.03	1.72	12.97	545.18	1119.02		
SMDH 00771	132.4	106.67	0.16	46.79	87.91	198.40	22.47	74.88	12.26	1.44	8.40	1.33	7.99	1.57	4.44	0.68	4.44	0.58	38.31	1.35	18.63	791.70	1537.68		
SMDH 00771	189.4	177.88	0.15	48.48	145.78	310.28	38.48	129.31	23.04	1.51	14.98	1.70	8.40	1.64	4.40	0.72	4.75	0.61	63.47	2.12	13.92	562.88	1000.44	1.81	
SMDH 00771	194.7	145.06	0.23	79.06	115.39	249.71	30.62	99.38	17.88	1.21	13.85	2.07	12.99	2.64	7.79	1.27	8.88	1.16	51.45	2.43	30.78	1256.11	1870.00		1.52
SMDH 00771	300.8	123.04	0.47	196.70	81.74	165.50	20.00	67.83	13.43	1.11	17.93	4.04	31.17	6.69	19.63	3.08	20.34	2.64	30.15	1.28	20.05	833.58	1469.55		
SMDH 00771	191.4	56.64	0.38	141.20	29.34	57.28	7.01	24.61	6.11	0.61	11.58	2.96	22.05	4.79	13.56	2.05	13.12	1.38	9.75	0.93	16.27	667.03	1148.14		
SMDH 00771	183.9	87.13	0.27	110.98	66.25	136.49	15.36	52.12	9.59	1.20	12.26	2.40	17.26	3.90	11.30	1.67	10.74	1.13	22.67	1.25	16.75	722.00	1564.72		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00771	119.9	115.37	0.13	26.35	101.07	214.73	23.44	85.51	13.85	1.63	9.19	1.16	5.26	0.93	2.28	0.35	2.17	0.23	33.21	1.04	15.68	628.53	936.13	0.84	1.76
SMDH 00771	162.0	109.28	0.20	70.97	82.32	188.17	20.23	73.72	12.74	1.99	13.16	2.15	13.18	2.62	6.47	0.93	5.99	0.63	28.56	1.33	12.85	532.08	3191.68		
SMDH 00771	162.0	109.28	0.20	70.97	82.32	188.17	20.23	73.72	12.74	1.99	13.16	2.15	13.18	2.62	6.47	0.93	5.99	0.63	28.56	1.33	12.85	532.08	3191.68		
SMDH 00770	114.8	99.42	0.06	33.85	74.87	164.65	19.43	72.80	11.54	0.98	8.85	1.04	6.15	1.17	3.11	0.50	2.89	0.32	31.85	2.13	21.46	913.14	549.02	0.20	
SMDH 00770	155.8	122.78	0.09	55.25	98.85	198.89	23.94	88.86	14.31	1.70	10.21	1.51	8.47	2.01	5.89	0.88	5.27	0.68	36.72	2.51	13.44	612.72	942.72		1.42
SMDH 00770	139.8	121.78	0.16	40.50	103.05	219.61	23.96	89.21	15.73	1.52	10.67	1.31	7.30	1.44	3.79	0.60	3.82	0.40	38.76	2.08	12.15	528.70	854.30		
SMDH 00770	80.7	72.35	0.11	21.88	61.36	131.74	14.77	52.81	9.43	1.21	6.81	0.80	3.97	0.79	2.15	0.34	2.07	0.22	24.37	1.17	7.08	288.67	658.93		
SMDH 00770	74.2	64.85	0.09	21.76	59.38	124.92	13.70	46.45	7.23	1.25	6.13	0.78	3.92	0.76	2.06	0.33	2.27	0.24	21.19	1.29	7.78	332.16	712.50		1.52
SMDH 00770	75.7	65.48	0.13	21.76	58.10	120.65	12.78	47.72	8.55	1.22	6.36	0.83	4.15	0.79	2.07	0.34	1.86	0.20	17.91	1.26	7.08	312.03	730.18	0.71	
SMDH 00770	69.0	55.53	0.13	23.57	49.60	101.40	11.31	39.64	7.32	1.22	6.24	0.76	3.83	0.81	2.39	0.37	2.38	0.25	15.87	1.15	7.55	331.08	621.31		
SMDH 00770	78.7	69.41	0.11	23.82	63.46	134.91	15.53	48.53	8.91	0.95	6.36	0.75	4.61	0.81	2.07	0.33	2.27	0.28	23.01	1.32	6.60	296.50	637.09		
SMDH 00770	70.0	60.83	0.09	21.28	52.63	111.15	13.22	42.99	7.67	1.08	5.33	0.69	3.94	0.67	2.03	0.30	2.17	0.27	17.91	1.03	5.07	231.39	612.47		1.52
SMDH 00770	81.2	66.92	0.05	28.17	57.52	130.52	14.93	46.22	9.00	1.05	6.01	0.77	5.00	0.96	3.13	0.46	2.79	0.35	20.51	1.43	6.96	329.87	603.98		
SMDH 00769	189.7	189.60	0.12	36.75	154.51	312.23	38.42	142.02	23.81	1.72	16.68	1.72	7.45	1.49	3.72	0.48	2.68	0.34	73.44	2.30	12.74	541.81	798.31		
SMDH 00769	141.8	139.38	0.07	28.89	115.62	233.75	27.92	105.16	17.12	1.42	12.03	1.10	5.19	1.06	2.68	0.36	2.38	0.31	54.74	1.75	8.37	397.00	609.52		
SMDH 00769	98.4	101.60	0.09	18.38	89.66	195.72	22.79	73.49	13.59	1.26	8.74	0.98	4.34	0.69	1.73	0.25	1.45	0.18	35.59	1.40	6.72	306.90	493.72	1.38	
SMDH 00769	61.3	60.03	0.06	13.42	51.70	116.99	13.24	43.33	7.46	1.13	5.11	0.53	2.93	0.46	1.08	0.17	1.14	0.15	21.65	0.80	6.96	311.36	664.65		
SMDH 00769	107.1	114.06	0.09	17.05	94.55	215.95	25.41	83.32	15.84	1.40	9.19	0.98	4.36	0.59	1.47	0.19	1.24	0.16	42.16	1.32	7.31	345.26	728.10		1.61
SMDH 00768	167.5	154.69	0.10	42.55	128.66	266.53	30.86	114.75	16.29	1.14	11.58	1.49	7.59	1.52	4.04	0.64	4.03	0.51	53.04	1.94	17.34	779.01	650.09		
SMDH 00768	188.1	176.19	0.10	46.06	146.48	295.66	35.44	130.92	19.51	1.27	12.37	1.56	8.27	1.77	5.37	0.69	4.75	0.61	58.93	2.27	18.87	840.33	737.11	1.47	1.49
SMDH 00768	138.2	121.85	0.05	41.23	103.86	226.19	26.25	86.67	15.03	1.34	9.87	1.30	7.63	1.44	4.33	0.65	3.92	0.50	39.78	3.26	7.43	338.11	671.93		
SMDH 00768	97.0	83.94	0.10	30.47	75.10	163.43	18.88	58.59	10.90	1.49	7.49	0.95	5.53	1.06	2.77	0.50	3.20	0.41	29.24	2.11	7.78	368.23	640.21		
SMDH 00768	143.6	130.96	0.10	40.14	113.18	248.49	28.97	92.91	16.13	1.47	11.24	1.32	7.76	1.31	3.88	0.62	3.92	0.50	45.22	3.10	8.14	400.78	777.16	1.07	
SMDH 00768	138.1	118.66	0.11	43.16	96.87	214.61	25.32	84.59	14.53	1.61	8.74	1.17	7.58	1.41	4.05	0.63	3.72	0.52	36.95	1.19	9.08	438.47	818.07		1.62
SMDH 00768	135.1	106.62	0.11	49.20	87.33	190.97	22.43	74.53	12.47	1.70	8.28	1.18	8.48	1.52	4.59	0.76	4.44	0.62	32.53	1.06	8.02	346.75	717.35		
SMDH 00768	168.1	129.96	0.14	63.83	104.33	229.48	27.37	91.06	16.17	1.65	9.65	1.34	10.19	1.92	6.36	1.05	6.09	0.87	40.80	1.30	10.97	496.96	779.76		
SMDH 00768	125.3	109.15	0.11	37.24	91.05	203.77	22.60	78.81	13.42	1.50	8.51	1.11	6.62	1.16	3.37	0.50	3.10	0.43	37.63	1.26	8.14	370.12	657.72		
SMDH 00768	154.4	124.78	0.12	53.44	102.11	225.21	25.58	89.21	15.44	1.76	9.99	1.27	8.72	1.70	5.21	0.73	4.44	0.61	41.71	1.46	8.37	384.17	755.84	2.06	1.69
SMDH 00768	163.9	144.21	0.13	49.20	121.33	268.60	31.20	103.54	17.55	1.71	9.99	1.27	8.20	1.59	4.65	0.60	3.51	0.49	47.94	1.53	8.61	400.92	774.91		
SMDH 00768	163.9	144.21	0.13	49.20	121.33	268.60	31.20	103.54	17.55	1.71	9.99	1.27	8.20	1.59	4.65	0.60	3.51	0.49	47.94	1.53	8.61	400.92	774.91		
SMDH 00784	98.2	88.62	0.06	25.99	74.98	142.34	18.13	65.52	8.92	1.70	6.01	0.81	4.15	1.06	2.46	0.37	2.68	0.35	28.22	0.75	8.25	360.93	468.41		
SMDH 00784	133.7	126.24	0.06	31.92	108.17	212.30	25.95	94.41	12.37	1.46	7.60	0.92	4.96	1.07	3.57	0.52	3.30	0.42	49.19	0.83	7.31	334.46	489.56		
SMDH 00784	34.1	28.00	0.09	10.64	25.38	53.50	5.98	19.99	3.09	1.40	2.04	0.28	1.75	0.33	0.98	0.17	1.14	0.15	8.73	0.42	6.84	313.93	690.48		
SMDH 00784	137.6	122.92	0.09	40.38	112.71	233.75	27.12	87.94	13.67	1.42	7.83	0.99	6.88	1.34	3.87	0.55	3.82	0.54	55.76	0.75	7.90	346.07	762.42		
SMDH 00784	126.0	102.81	0.08	42.43	89.19	192.92	20.58	73.84	10.42	1.36	7.38	1.11	7.28	1.47	3.94	0.54	4.13	0.56	35.93	0.80	7.90	377.95	698.63		1.52
SMDH 00784	108.8	89.84	0.08	36.63	76.85	169.03	18.85	62.75	10.03	1.21	7.72	1.17	7.07	1.28	3.20	0.49	3.41	0.48	27.20	1.04	6.96	313.79	636.05	1.39	
SMDH 00784	118.0	106.38	0.04	32.28	90.35	208.28	21.90	75.46	12.46	1.20	9.31	1.41	7.61	1.23	2.88	0.39	2.48	0.34	36.04	1.72	7.90	302.98	608.66		
SMDH 00784	124.3	103.82	0.07	39.41	88.03	190.48	20.24	73.49	11.36	1.32	8.97	1.41	8.68	1.48	3.58	0.45	3.20	0.44	38.42	1.31	7.55	312.44	579.71		
SMDH 00784	121.5	113.69	0.09	29.98	100.02	221.19	23.91	82.16	13.92	1.74	9.76	1.22	6.40	1.17	2.79	0.36	2.48	0.35	40.01	1.76	10.73	454.14	865.75		1.76
SMDH 00784	113.2	100.73	0.09	32.28	89.31	198.40	21.07	72.57	12.33	1.23	7.49	1.01	6.08	1.13	3.01	0.36	2.79	0.38	35.59	1.05	9.20	365.26	721.86		
SMDH 00784	113.2	100.73	0.09	32.28	89.31	198.40	21.07	72.57	12.33	1.23	7.49	1.01	6.08	1.13	3.01	0.36	2.79	0.38	35.59	1.05	9.20	365.26	721.86		
SMDH 00785	85.9	75.28	0.13	24.30	59.27	126.13	14.56	55.47	8.99	0.94	6.92	0.87	4.37	0.93	2.66	0.42	2.48	0.32	27.31	1.47	13.21	583.95	749.77		
SMDH 00785	40.4	27.41	0.13	17.29	20.73	40.83	5.46	18.95	3.93	1.15	3.18	0.46	2.54	0.62	1.78	0.25	1.96	0.25	6.12	0.44	3.42	141.16	616.80		1.32
SMDH 00785	33.4	18.69	0.09	17.29	13.39	32.30	3.51	12.13	2.94	0.95	2.72	0.41	2.64	0.59	1.53	0.25	1.76	0.24	4.42	0.47	8.84	368.09	516.60	1.91	
SMDH 00785	25.1	16.79	0.13	10.64	10.13	24.37	3.08	11.44	3.35	0.71	2.38	0.40	1.86	0.37	1.12	0.17	1.03	0.11	2.83	0.24	6.72	268.81	377.57		
SMDH 00785	27.9	17.70	0.25	12.33	7.80	22.18	2.83	12.13	3.82	0.68	2.72	0.44	2.30	0.38	1.23	0.18	1.55	0.17	1.93	0.27	2.24	73.89	603.46		1.65
SMDH 00786	236.2	231.18	0.08	50.17	187.58	411.07	46.47	172.52	26.59	1.36	18.16	2.16	10.03	1.54	4.29	0.58	3.61	0.51	77.63	4.22	23.23	1085.91	697.24	0.77	
SMDH 00786	167.3	147.86	0.22	47.39	112.24	256.78	29.83	107.81	18.28	1.85	13.62	1.71	8.51	1.58	4.37	0.59	3.41	0.49	44.77	2.49	13.44	626.64	1725.77		
SMDH 00786	72.1	38.48	0.28	37.60	17.00	42.78	5.93	24.61	7.06	1.99	7.60	1.10	6.84	1.26	3.31	0.50	2.99	0.33	3.97	0.44	4.84	200.86	2204.93		
SMDH 00786	66.0	33.25	0.34	35.78	13.16	34.12	4.78	21.15	5.43	1.70	6.70	1.01	6.31	1.30	3.54	0.51	3.20	0.36	2.27	0.37	5.31	201.40	2316.22		
SMDH 00787	132.5	115.40	0.14	39.17	93.96	207.67	23.13	84.59	13.43	1.04	9.87	1.32	6.36	1.31	3.71	0.57	3.20	0.45	37.17	2.38	12.74	589.76	743.53		
SMDH 00787	120.2	94.48	0.16	42.19	75.92	162.94	18.15	68.41	9.85	1.73	7.94	1.11	6.80	1.51	4.06	0.62	4.13	0.58	26.97	1.73	7.90	359.58	798.83		1.41
SMDH 00787	101.9	77.98	0.23	39.05	68.70	140.15	16.46	54.54	9.70	1.37	6.81	1.03	5.95	1.38	3.65	0.65	4.44	0.49	23.80	1.55	7.43	327.30	727.06	0.65	
SMDH 00787	82.0	65.61	0.13	28.77	57.05	118.21	13.72	46.45	8.30	1.32	5.11	0.72	4.72	1.01	3.05	0.48	3.41	0.38	19.49	0.95	7.31	314.20	611.60		1.58
SMDH 00787	84.2	66.73	0.19	29.62	56.94	121.38	13.44	47.61	7.62	1.27	5.79	0.83	4.85	1.05	3.06	0.48	3.82	0.42	21.53	1.25	9.20	403.62	688.92		
SMDH 00787	115.3	89.46	0.20	43.04	75.22	164.16	18.55	63.21	10.74	1.33	7.26	1.17	6.53	1.45	4.43	0.77	4.44	0.49	29.35	1.96	7.67	333.51	718.91		
SMDH 00787	106.7	71.31	0.20	47.39	60.20	118.34	13.63	49.46	7.53	1.59	6.36	1.04	7.18	1.75	4.87	0.82	5.16	0.57	18.70	1.77	9.79	422.67	716.49		
SMDH 00787	114.0	88.32	0.15	41.95	74.64	156.85	17.62	62.75	10.66	1.32	7.26	1.07	6.88	1.46	4.28	0.70	4.44	0.49	26.52	2.33	9.08	389.71	746.48	1.67	1.68
SMDH 00787	104.2	78.27	0.13	40.26	67.30	141.12	15.67	55.00	10.83	1.37	7.04	1.01	6.58	1.39	3.91	0.62	4.13	0.45	23.01	1.90	9.32	394.70	832.98		
SMDH 00787	104.2	78.27	0.13	40.26	67.30	141.12	15.67	55.00	10.83	1.37	7.04	1.01	6.58	1.39	3.91	0.62	4.13	0.45	23.01	1.90	9.32	394.70	832.98		
SMDH 00788	154.5	133.95	0.13	46.06	109.68	248.00	26.78	98.45	15.23	1.30	10.67	1.46	7.26	1.47	4.22	0.66	4.54	0.64	44.65	2.49	21.58	1013.51	896.95		
SMDH 00788	252.7	223.25	0.17	73.99	185.37	404.12	45.95	162.59	25.82	1.45	18.38	2.28	12.43	2.57	7.35	1.07	6.40	0.91	78.20	3.96	30.78	1475.07	1370.21	2.28	
SMDH 00788	121.5	63.76	0.27	68.91	51.00	102.61	12.32	40.91	6.96	1.15	6.24	1.17	9.35	2.50	7.44	1.29	8.88	0.99	18.81	1.46	21.11	968.52	1610.14		
SMDH 00788	161.1	122.55	0.15	62.26	104.33	221.92	25.00	87.36	14.49	1.31	9.87	1.30	8.90	2.27	6.47	1.10	7.64	0.85	41.71	1.71	14.62	676.75	1262.56		
SMDH 00788	140.8	89.07	0.30	67.58	69.51	142.47	16.89	61.24	10.23	1.06	8.28	1.24	9.70	2.51	7.53	1.23	8.26	0.93	26.29	1.24	16.75	729.70	1623.49		1.69
SMDH 00788	169.1	132.74	0.21	61.66	111.78	239.72	26.70	94.99	14.25	1.37	10.55	1.48	9.58	2.05	6.31	1.07	7.44	0.83	45.56	1.56	10.85	484.13	847.89	1.50	
SMDH 00788	229.6	100.90	0.39	145.44	74.17	154.29	17.71	61.94	11.49	0.95	9.87	2.20	19.05	5.03	15.92	2.60	17.97	2.00	29.92	1.66	25.35	1138.45	2044.57		
SMDH 00789	60.0	48.37	0.09	20.43	39.01	93.72	9.49	34.78	5.42	0.71	3.97	0.62	3.47	0.65	2.01	0.32	1.96	0.27	15.07	1.11	6.96	320.41	453.50		
SMDH 00789	50.7	42.51	0.07	15.72	35.51	84.46	8.22	31.55	5.46	0.70	3.52	0.54	2.21	0.48	1.56	0.22	1.34	0.19	13.60	1.03	6.84	307.98	312.04		1.65
SMDH 00789	100.8	86.69	0.13	30.22	73.82	149.29	17.37	62.75	10.74	1.23	7.72	1.04	5.53	1.07	3.05	0.42	3.10	0.34	28.56	2.11	16.63	730.51	618.89		
SMDH 00789	67.3	57.88	0.08	19.83	48.20	100.91	11.30	42.64	6.96	0.89	4.88	0.62	3.32	0.72	1.72	0.31	2.17	0.23	19.15	1.21	8.25	377.28	516.60		1.58
SMDH 00789	123.7	105.64	0.16	37.96	88.96	189.26	21.03	77.08	13.00	1.17	8.74	1.18	6.35	1.37	3.59	0.58	3.82	0.43	37.51	1.38	8.84	390.38	793.11		
SMDH 00789	125.6	106.15	0.13	39.90	86.51	186.95	21.71	76.15	13.31	1.27	8.74	1.35	6.94	1.28	3.90	0.62	3.82	0.42	36.38	1.74	13.33	597.73	868.35	1.20	
SMDH 00789	125.6	106.15	0.13	39.90	86.51	186.95	21.71	76.15	13.31	1.27	8.74	1.35	6.94	1.28	3.90	0.62	3.82	0.42	36.38	1.74	13.33	597.73	868.35	1.20	
SMDH 00790	59.7	54.27	0.02	16.20	44.48	106.39	11.30	39.06	6.57	0.55	4.77	0.57	3.34	0.51	1.70	0.25	1.24	0.18	18.25	1.24	6.37	305.82	298.69		
SMDH 00790	56.5	48.09	0.08	17.29	37.49	94.81	9.54	34.44	5.89	0.69	4.09	0.64	3.47	0.57	1.98	0.29	1.55	0.22	14.28	1.05	5.54	263.95	284.31		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00790	90.4	78.06	0.15	27.08	66.37	142.83	15.84	56.51	9.58	1.11	6.81	1.01	4.71	0.94	2.76	0.38	2.58	0.28	24.71	1.63	10.50	452.65	609.18	3.22	1.51
SMDH 00790	72.0	69.91	0.09	15.96	61.25	127.60	14.40	51.54	8.04	0.49	5.33	0.59	3.40	0.59	1.46	0.19	1.55	0.17	23.35	1.07	6.96	305.15	469.80		1.54
SMDH 00790	47.0	40.57	0.09	14.27	35.86	75.19	8.58	29.00	5.62	0.69	3.52	0.49	2.50	0.58	1.33	0.25	1.55	0.17	12.47	0.91	6.01	265.16	458.36		
SMDH 00790	42.5	38.07	0.09	11.24	32.72	66.78	7.55	28.08	4.91	0.78	3.40	0.44	2.00	0.35	1.08	0.16	0.93	0.10	10.77	0.97	5.54	232.07	441.71		
SMDH 00790	54.1	42.22	0.11	19.58	36.44	77.27	8.75	29.47	5.48	1.06	3.75	0.62	3.38	0.78	1.88	0.33	2.17	0.23	12.47	1.10	8.02	342.43	459.40	0.95	
SMDH 00790	62.3	50.87	0.15	20.31	43.55	90.67	9.96	36.40	6.91	1.09	5.11	0.62	3.88	0.68	2.07	0.27	2.07	0.23	15.30	1.36	6.13	297.04	552.84		1.53
SMDH 00790	64.5	56.53	0.13	18.62	51.12	106.27	11.75	40.79	8.01	1.07	6.13	0.70	3.30	0.66	1.79	0.25	1.96	0.21	18.59	1.41	9.91	419.02	629.46		
SMDH 00790	83.2	68.79	0.12	26.72	62.06	127.72	13.70	49.00	8.61	1.34	6.24	0.94	5.16	0.98	2.66	0.34	2.48	0.26	20.63	1.66	8.84	378.36	645.06		
SMDH 00790	99.4	87.51	0.15	27.93	78.24	160.38	17.53	63.44	10.60	1.53	7.94	1.04	5.49	1.01	2.61	0.35	2.38	0.26	24.59	2.20	9.43	405.78	770.75		
SMDH 00790	99.4	87.51	0.15	27.93	78.24	160.38	17.53	63.44	10.60	1.53	7.94	1.04	5.49	1.01	2.61	0.35	2.38	0.26	24.59	2.20	9.43	405.78	770.75		
SMDH 00791	82.5	72.51	0.12	24.78	58.10	139.18	15.49	51.77	9.37	0.75	6.47	0.92	4.33	0.78	2.64	0.35	2.07	0.30	28.45	2.00	13.21	631.09	594.79	0.81	
SMDH 00791	168.4	122.84	0.12	67.94	102.00	172.93	24.72	86.32	15.30	2.35	11.92	1.84	9.97	1.98	6.56	0.94	5.06	0.74	26.75	1.76	10.85	493.99	674.36		1.48
SMDH 00791	112.5	84.36	0.17	43.16	77.66	128.08	16.96	59.74	11.24	1.92	8.51	1.18	6.47	1.33	3.48	0.56	4.13	0.45	22.67	1.79	8.14	371.61	760.52	3.47	1.50
SMDH 00791	89.3	49.13	0.24	47.27	43.08	43.14	8.57	33.05	6.57	1.45	6.58	1.03	6.48	1.46	3.98	0.52	3.61	0.39	6.23	0.66	4.84	205.46	892.79		
SMDH 00791	65.7	37.27	0.31	32.64	22.36	47.89	5.72	25.08	5.30	1.52	5.33	0.84	5.64	1.16	3.07	0.49	3.30	0.36	5.21	0.65	4.60	215.32	1563.68		
SMDH 00791	75.0	60.52	0.13	25.03	50.77	107.85	11.78	43.91	7.71	1.21	4.99	0.69	4.14	0.94	2.64	0.40	2.68	0.29	18.13	1.34	6.84	285.56	656.50		
SMDH 00791	84.5	68.90	0.17	28.53	59.27	127.11	14.03	49.46	9.66	1.08	6.01	0.84	4.57	1.10	2.78	0.52	3.61	0.40	22.67	1.55	8.49	361.20	659.28		1.56
SMDH 00791	50.9	36.44	0.27	20.31	29.69	66.05	6.96	25.54	5.00	1.15	3.52	0.52	3.42	0.73	1.89	0.34	2.17	0.24	10.43	0.49	2.48	108.47	569.48	1.94	
SMDH 00791	91.6	83.54	0.15	24.30	75.45	161.60	17.44	61.13	10.85	1.16	6.70	0.83	4.14	0.94	2.63	0.41	2.89	0.36	29.47	1.29	9.32	376.74	638.65		
SMDH 00791	110.0	99.92	0.10	29.74	91.29	199.26	21.06	72.92	12.97	1.41	8.40	1.07	4.88	1.05	3.17	0.49	3.30	0.42	37.97	1.83	9.20	403.75	779.41		
SMDH 00791	104.6	95.69	0.12	27.81	86.05	183.29	20.37	69.45	12.36	1.50	8.17	0.94	4.93	1.07	2.56	0.40	2.89	0.37	33.66	1.76	8.84	370.25	697.76		1.69
SMDH 00791	107.6	103.10	0.13	24.54	90.82	198.53	21.38	76.50	13.04	1.38	8.85	0.98	4.24	0.81	2.33	0.40	2.48	0.32	36.38	1.76	11.20	490.07	788.25		
SMDH 00791	80.9	77.15	0.11	18.74	66.95	145.27	16.37	56.28	10.78	1.43	7.49	0.83	3.67	0.70	1.82	0.27	1.55	0.20	27.09	1.34	9.67	416.99	637.43	0.77	
SMDH 00791	95.7	95.52	0.10	19.10	84.18	181.10	20.30	69.80	13.13	1.36	8.40	0.91	4.52	0.66	2.11	0.28	2.07	0.27	34.57	1.63	9.08	381.87	693.43		
SMDH 00791	89.3	85.38	0.13	20.43	73.94	157.46	17.72	62.40	12.59	1.20	8.97	0.96	4.29	0.67	1.94	0.24	1.76	0.22	30.15	2.05	7.78	324.33	537.41		1.77
SMDH 00791	59.1	51.34	0.08	16.93	46.69	78.97	10.67	37.21	6.35	1.47	5.11	0.65	2.81	0.53	1.29	0.20	1.03	0.15	12.01	0.85	4.95	191.54	348.45		
SMDH 00792	40.3	38.32	0.08	9.79	31.09	70.32	8.00	27.96	4.23	0.22	3.40	0.44	1.92	0.32	0.85	0.12	0.72	0.11	15.19	1.17	6.60	311.36	205.95		
SMDH 00792	59.8	54.19	0.13	16.44	45.53	93.72	11.30	39.40	6.52	0.46	4.54	0.60	2.89	0.47	1.60	0.22	1.34	0.19	23.57	1.78	9.79	458.87	577.97		
SMDH 00792	92.1	78.80	0.10	26.84	57.17	163.55	15.38	56.51	8.78	1.87	6.81	1.10	5.80	1.02	3.39	0.42	2.68	0.39	15.75	1.34	7.19	319.60	462.69		
SMDH 00792	91.7	81.41	0.09	26.11	73.12	128.94	16.94	59.40	9.07	1.16	6.58	0.85	4.23	0.82	2.23	0.30	1.45	0.21	24.14	1.35	6.01	248.82	314.12	2.12	
SMDH 00792	106.8	90.14	0.12	32.64	70.21	148.44	17.34	65.87	10.22	1.32	7.60	1.08	5.86	1.13	3.35	0.46	3.10	0.44	27.09	1.44	7.31	325.27	536.19		1.61
SMDH 00792	156.9	132.64	0.08	49.32	106.89	239.11	26.58	96.03	14.62	1.55	10.67	1.50	8.53	1.67	4.82	0.75	4.34	0.62	44.09	1.52	9.79	422.53	798.31		
SMDH 00792	105.8	81.50	0.12	38.81	64.51	124.19	16.08	58.24	9.04	1.59	7.04	0.99	6.19	1.13	3.55	0.52	2.58	0.37	22.89	0.97	6.84	299.88	553.18		
SMDH 00792	173.9	146.19	0.20	55.01	118.65	251.66	29.06	106.31	15.79	1.72	11.35	1.64	9.18	1.86	5.59	0.87	5.16	0.73	47.60	1.77	12.38	544.51	880.83		
SMDH 00792	128.9	103.20	0.17	44.85	81.27	172.45	20.55	74.42	10.87	1.44	7.94	1.18	7.05	1.62	4.78	0.72	4.34	0.62	32.30	1.38	11.79	513.30	725.15	1.67	1.58
SMDH 00792	128.2	112.24	0.14	36.51	90.35	193.89	22.32	82.04	13.44	1.78	8.74	1.18	6.69	1.22	3.73	0.54	2.89	0.43	36.15	1.55	8.61	363.50	652.86		
SMDH 00792	131.1	112.39	0.16	40.62	95.01	202.30	23.60	80.43	12.15	1.71	9.53	1.27	7.09	1.30	4.21	0.56	3.51	0.52	38.08	1.95	12.74	542.62	701.40		
SMDH 00792	131.1	112.39	0.16	40.62	95.01	202.30	23.60	80.43	12.15	1.71	9.53	1.27	7.09	1.30	4.21	0.56	3.51	0.52	38.08	1.95	12.74	542.62	701.40		
SMDH 00793	112.8	99.24	0.10	32.64	82.09	172.20	20.50	71.99	12.64	1.44	8.74	1.04	5.70	0.99	3.33	0.48	2.58	0.37	31.17	2.80	14.62	683.10	538.45		
SMDH 00793	107.9	94.76	0.10	30.59	78.48	149.53	19.42	68.76	11.39	1.97	8.40	1.03	5.55	0.83	2.73	0.37	2.17	0.32	28.33	1.79	9.08	403.75	574.68	1.37	1.59
SMDH 00793	105.9	89.91	0.21	30.83	67.65	136.25	16.69	66.33	10.32	1.82	8.17	1.12	5.77	0.98	2.88	0.40	2.07	0.30	26.29	1.55	7.90	333.65	593.57		
SMDH 00793	102.0	90.85	0.13	28.05	72.07	153.56	18.26	65.98	11.39	1.40	8.62	1.09	5.52	0.92	2.81	0.41	2.17	0.32	30.26	1.88	6.72	274.21	482.63		1.61
SMDH 00793	102.0	90.85	0.13	28.05	72.07	153.56	18.26	65.98	11.39	1.40	8.62	1.09	5.52	0.92	2.81	0.41	2.17	0.32	30.26	1.88	6.72	274.21	482.63		1.61
SMDH 00778	95.0	84.04	0.09	27.44	68.00	152.22	17.44	60.55	10.34	0.99	7.49	0.96	5.08	0.80	2.55	0.33	2.17	0.32	31.17	2.08	11.09	534.24	590.80		
SMDH 00778	77.0	52.63	0.16	32.88	42.85	83.97	9.88	36.63	8.46	1.37	6.58	0.85	5.27	1.14	2.94	0.44	2.58	0.35	14.51	1.33	8.49	374.17	1056.79		
SMDH 00778	43.3	26.19	0.20	19.95	15.60	33.27	4.14	17.45	3.46	1.35	3.63	0.63	3.96	0.59	1.73	0.28	1.45	0.21	4.65	0.55	6.96	301.36	928.67	3.88	
SMDH 00778	30.7	17.22	0.23	15.60	9.31	23.28	2.93	10.63	2.31	0.85	2.50	0.47	3.20	0.50	1.62	0.21	1.03	0.15	2.95	0.64	2.71	110.23	808.02		
SMDH 00778	122.8	92.99	0.20	45.34	67.88	149.78	17.17	66.79	9.55	1.63	8.28	1.22	7.81	1.36	4.57	0.63	3.61	0.53	27.88	1.63	8.02	343.24	705.74		
SMDH 00777	90.9	87.68	0.05	21.16	76.85	163.91	18.41	64.25	10.09	0.49	7.38	0.83	4.19	0.77	2.06	0.23	1.34	0.19	34.11	2.45	15.45	737.13	477.95		
SMDH 00777	125.2	118.78	0.10	29.98	106.65	219.49	24.31	87.36	15.75	0.74	10.78	1.14	5.97	1.06	2.53	0.35	2.58	0.34	44.43	3.33	16.75	751.31	574.16		1.49
SMDH 00777	153.4	131.48	0.06	45.21	104.91	214.61	25.88	94.41	16.45	2.58	11.24	1.65	9.54	1.50	4.57	0.62	3.82	0.55	31.05	2.73	9.55	384.71	474.31		1.55
SMDH 00777	135.3	107.79	0.14	47.15	81.16	170.01	21.34	76.15	14.11	1.72	10.55	1.47	8.83	1.49	4.60	0.70	3.72	0.54	38.19	2.69	8.02	312.58	638.47		
SMDH 00777	101.0	78.94	0.13	36.51	62.41	139.66	15.54	55.35	10.45	1.13	7.72	1.15	6.90	1.24	3.93	0.48	3.10	0.48	29.01	1.75	6.01	261.65	634.49	2.72	
SMDH 00777	104.5	83.96	0.14	36.99	66.02	148.56	17.78	58.47	11.14	1.32	8.40	1.24	6.47	1.21	3.50	0.51	3.10	0.48	32.30	1.83	6.72	277.32	619.41		
SMDH 00777	123.4	104.05	0.14	37.72	82.79	172.08	19.99	76.15	11.99	1.56	8.97	1.17	6.75	1.29	3.59	0.52	2.89	0.46	31.39	1.98	7.19	314.60	632.23		1.58
SMDH 00777	123.9	106.44	0.22	37.72	84.30	190.36	21.46	77.08	14.16	1.24	9.76	1.24	6.67	1.37	3.70	0.53	3.30	0.51	39.78	2.20	8.61	352.42	716.83		
SMDH 00777	111.2	95.87	0.11	33.25	77.31	172.81	19.35	69.10	13.18	1.45	9.19	1.14	6.28	1.18	3.55	0.49	3.10	0.49	36.72	1.81	8.02	321.22	668.12		
SMDH 00777	111.2	95.87	0.11	33.25	77.31	172.81	19.35	69.10	13.18	1.45	9.19	1.14	6.28	1.18	3.55	0.49	3.10	0.49	36.72	1.81	8.02	321.22	668.12		
SMDH 00776	82.0	77.82	0.06	19.10	65.55	171.10	15.58	57.66	9.91	0.60	6.92	0.72	3.86	0.69	2.06	0.22	1.96	0.27	29.01	2.10	17.22	776.57	458.88	0.34	
SMDH 00776	108.2	92.44	0.13	32.64	79.53	158.43	18.18	67.25	10.20	1.34	7.72	0.95	6.06	1.12	3.10	0.49	2.99	0.41	27.09	1.47	10.38	483.32	728.45		
SMDH 00776	117.6	103.75	0.13	33.13	88.26	189.14	20.89	75.57	12.23	1.61	8.74	1.17	6.11	1.08	3.25	0.51	3.20	0.50	32.98	1.77	9.55	402.27	845.64	2.58	
SMDH 00776	109.1	96.82	0.14	30.59	85.93	174.03	19.81	69.91	11.83	1.52	8.74	1.09	6.01	1.02	3.06	0.38	2.48	0.38	31.05	1.66	9.79	386.19	756.36		1.58
SMDH 00776	65.0	53.03	0.09	20.91	46.57	95.91	10.59	38.13	6.05	1.61	4.31	0.59	3.72	0.66	2.28	0.39	1.96	0.31	17.11	0.74	9.55	383.63	625.99		
SMDH 00776	81.6	68.61	0.08	25.75	60.66	119.55	14.17	49.69	9.19	1.37	5.67	0.71	4.04	0.89	2.88	0.41	2.79	0.40	22.21	1.07	10.26	454.14	639.34		
SMDH 00776	77.4	74.36	0.07	17.29	64.04	131.38	15.53	54.89	8.59	1.33	5.90	0.73	3.21	0.66	1.56	0.25	1.55	0.22	23.69	0.93	6.49	288.80	503.26		
SMDH 00776	92.0	78.64	0.10	27.93	69.98	141.86	16.14	56.85	9.00	1.54	6.81	0.86	4.78	1.03	3.08	0.40	2.79	0.39	25.16	1.14	8.49	358.77	534.11	0.70	1.69
SMDH 00776	121.5	107.77	0.13	34.94	94.90	195.24	22.72	77.88	12.44	1.55	8.51	1.16	6.00	1.22	3.79	0.60	4.23	0.59	34.91	1.29	9.32	416.18	709.90		
SMDH 00776	106.5	96.25	0.09	28.89	83.72	171.10	20.08	70.37	11.35	1.49	7.94	0.98	4.82	1.01	3.14	0.45	2.89	0.41	28.11	1.03	7.55	316.36	611.26		
SMDH 00776	111.2	100.62	0.11	29.98	87.91	181.22	20.62	73.96	11.99	1.21	8.06	0.96	5.07	1.17	3.22	0.47	3.30	0.47	31.96	1.23	9.79	430.23	704.70		
SMDH 00761	120.5	97.05	0.13	41.23	84.77	176.10	19.29	70.26	12.56	1.47	8.62	1.16	6.35	1.39	3.76	0.56	3.72	0.50	30.94	2.46	13.21	610.56	841.65		
SMDH 00761	125.9	99.97	0.16	44.37	88.49	161.84	19.96	71.99	12.10	1.50	9.19	1.18	6.84	1.35	4.00	0.56	3.72	0.50	29.47	2.51	14.27	615.42	797.96		1.45
SMDH 00761	66.9	60.85	0.06	18.13	55.19	111.27	12.77	43.56	8.42	0.73	5.45	0.72	3.80	0.70	1.90	0.27	2.27	0.32	22.10	1.62	8.37	379.98	378.96		1.55
SMDH 00761	70.0	61.64	0.07	19.46	52.51	109.20	11.90	45.41	7.13	0.79	5.56	0.69	3.64	0.62	1.82	0.30	1.86	0.27	21.19	1.47	5.42	254.22	345.50	2.23	
SMDH 00761	70.0	61.64	0.07	19.46	52.51	109.20	11.90	45.41	7.13	0.79	5.56	0.69	3.64	0.62	1.82	0.30	1.86	0.27	21.19	1.47	5.42	254.22	345.50	2.23	
SMDH 00762	122.6	106.97	0.09	35.30	90.00	231.19	21.12	78.81	12.60	1.42	8.85	1.11	5.93	1.17	3.25	0.47	3.20	0.43	30.60	2.52	16.98	767.66	638.47		
SMDH 00762	78.9	62.87	0.05	27.08	49.37	124.92	12.38	45.30	7.25	1.33	5.90	0.83	4.36	0.94	2.90	0.42	2.79	0.35	16.43	1.16	10.50	451.03	455.58	1.44	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00762	101.0	81.24	0.11	33.25	72.89	129.30	15.47	59.86	8.72	1.99	6.81	0.87	5.04	1.00	3.47	0.50	3.72	0.51	23.80	1.36	9.79	414.43	685.63		
SMDH 00762	85.7	75.65	0.16	24.18	63.92	134.79	15.32	55.12	9.65	1.21	7.38	0.92	4.28	0.77	2.52	0.36	2.38	0.33	25.84	1.34	8.37	347.56	552.66		
SMDH 00762	100.0	92.09	0.13	25.27	78.13	159.41	18.83	67.60	11.51	1.46	8.62	0.99	4.67	0.89	2.57	0.38	2.68	0.36	30.94	1.85	7.78	344.99	577.63		1.52
SMDH 00762	104.2	99.33	0.09	24.42	90.59	183.78	20.99	73.26	12.35	1.45	8.28	0.93	4.15	0.89	2.61	0.38	2.58	0.34	33.43	1.70	8.84	384.44	623.91		
SMDH 00762	117.0	108.02	0.12	29.62	91.17	188.17	21.96	79.73	12.05	1.30	9.76	1.03	5.29	1.03	3.11	0.47	3.10	0.43	35.93	1.95	9.20	384.44	625.65	1.82	
SMDH 00762	101.0	100.95	0.08	19.10	89.77	173.05	20.38	75.69	11.68	1.35	8.85	0.93	3.95	0.65	1.69	0.30	2.07	0.28	35.59	1.37	8.61	355.26	578.67		
SMDH 00762	117.1	105.04	0.15	31.67	93.15	189.51	21.07	77.42	12.98	1.42	9.31	1.26	5.28	1.04	3.25	0.53	3.51	0.48	35.93	1.92	10.85	477.51	714.40		1.62
SMDH 00762	127.4	125.77	0.13	26.60	109.33	233.14	26.17	93.14	14.56	1.16	10.33	1.11	5.35	1.00	2.84	0.45	2.89	0.40	46.69	1.90	13.09	552.61	778.89		
SMDH 00762	98.1	88.58	0.12	25.75	75.92	155.26	17.84	65.29	9.78	1.63	8.06	0.85	4.61	0.96	2.85	0.40	3.30	0.45	30.60	1.36	9.55	410.24	626.51		
SMDH 00762	71.4	67.91	0.05	16.44	56.35	117.24	14.66	49.57	8.69	1.73	5.90	0.65	3.02	0.62	1.80	0.22	1.65	0.19	21.99	0.82	9.08	372.01	563.93	0.82	
SMDH 00763	88.1	74.96	0.13	27.93	62.29	131.86	15.83	53.50	10.24	1.06	6.92	0.83	4.81	1.05	2.67	0.37	2.48	0.31	24.59	2.05	15.57	667.03	565.84		
SMDH 00763	85.1	80.03	0.09	20.55	64.62	156.85	16.48	58.47	9.28	1.03	6.70	0.78	4.29	0.72	2.02	0.27	1.86	0.23	28.11	1.88	11.09	464.41	508.63		1.65
SMDH 00763	78.6	72.41	0.18	20.19	59.85	127.96	14.93	52.92	9.24	0.95	6.13	0.71	3.85	0.82	1.99	0.27	1.96	0.23	25.73	1.34	8.25	337.29	657.02		1.54
SMDH 00763	96.9	77.62	0.10	34.58	63.22	132.47	16.37	54.89	9.29	1.12	6.92	0.93	5.43	1.14	4.06	0.51	3.61	0.42	27.99	1.68	11.09	450.76	792.76		
SMDH 00763	89.6	68.55	0.15	33.61	54.49	103.71	14.14	47.49	8.49	1.54	5.79	0.91	6.00	1.25	3.73	0.52	3.61	0.41	19.49	1.27	7.08	280.02	1187.67		
SMDH 00763	72.0	51.37	0.13	29.01	38.31	88.84	10.06	35.59	7.40	1.64	5.90	0.93	4.79	1.08	3.18	0.44	3.20	0.37	12.47	1.02	6.96	306.09	1736.17		
SMDH 00763	99.0	79.31	0.16	34.94	61.83	130.03	16.55	56.16	9.47	1.28	7.49	0.93	5.67	1.22	3.77	0.54	3.51	0.40	27.20	1.74	10.02	426.45	1156.47	1.89	1.67
SMDH 00763	104.9	87.91	0.14	33.61	72.07	155.63	18.01	63.09	10.75	1.41	7.15	1.00	5.80	1.21	4.26	0.56	3.92	0.45	29.58	1.55	9.67	412.26	760.52		
SMDH 00763	84.9	68.15	0.16	29.86	58.68	123.70	14.07	47.96	8.01	0.93	6.92	0.90	5.23	1.00	3.25	0.38	2.89	0.32	21.42	1.87	7.78	347.56	694.30		
SMDH 00763	66.2	65.00	0.13	14.39	58.33	122.72	14.18	46.57	8.95	0.95	5.56	0.63	3.62	0.56	1.30	0.16	1.14	0.13	20.74	1.60	10.61	464.00	667.77		
SMDH 00747	90.9	82.67	0.16	24.54	65.32	180.37	17.20	60.09	9.52	0.85	7.60	0.86	4.52	0.84	2.52	0.35	2.79	0.34	31.62	2.56	15.45	660.27	628.25		
SMDH 00747	100.9	83.06	0.16	33.73	69.28	143.32	17.52	58.93	9.97	1.57	7.72	1.03	5.58	1.12	3.26	0.48	2.89	0.36	22.78	1.69	10.26	435.09	763.46		
SMDH 00747	75.5	63.84	0.13	23.94	56.82	102.98	13.50	45.41	8.28	1.18	5.67	0.64	4.28	0.89	2.31	0.33	2.07	0.23	16.09	1.18	6.96	295.15	618.19		1.55
SMDH 00747	58.0	40.84	0.16	25.03	33.77	71.17	8.48	27.62	5.15	0.64	3.52	0.54	4.21	0.89	2.66	0.41	2.99	0.33	10.88	1.21	8.02	337.56	489.56	1.45	
SMDH 00747	62.6	48.61	0.23	22.85	40.87	87.87	9.97	34.09	6.08	1.12	4.88	0.69	3.86	0.84	2.24	0.35	2.48	0.27	14.73	1.42	7.08	315.82	660.32		
SMDH 00747	62.9	44.56	0.13	26.35	39.47	82.51	9.14	30.51	5.16	1.13	3.75	0.63	4.28	0.95	3.30	0.46	3.30	0.37	13.60	0.79	6.96	305.15	615.59		
SMDH 00747	60.5	46.29	0.13	23.09	44.36	85.92	9.84	32.47	4.99	0.95	3.75	0.56	3.42	0.78	2.54	0.41	2.58	0.28	12.58	0.78	6.96	308.25	551.97		1.74
SMDH 00747	40.5	33.24	0.13	12.94	29.46	60.08	6.93	23.57	4.19	1.24	2.95	0.38	2.36	0.49	1.21	0.18	1.55	0.17	10.09	0.70	8.73	363.64	661.01		
SMDH 00747	50.1	39.19	0.13	17.89	36.91	73.85	8.25	27.62	5.70	1.23	4.09	0.52	2.81	0.62	1.92	0.29	1.86	0.21	12.24	0.92	10.26	469.27	785.65	1.13	
SMDH 00730	137.2	126.37	0.15	36.15	105.61	223.75	26.44	92.21	15.11	1.08	10.55	1.24	6.47	1.22	3.38	0.38	3.10	0.38	43.18	2.81	20.76	879.78	593.57	0.68	
SMDH 00730	127.5	116.34	0.11	33.61	95.48	201.82	23.61	85.74	14.60	1.15	9.76	1.23	5.76	1.22	3.19	0.42	2.79	0.35	40.12	2.74	19.46	844.79	674.88		1.54
SMDH 00730	143.5	137.78	0.14	32.64	114.11	244.71	28.36	101.11	17.05	1.38	12.37	1.40	6.91	1.28	3.26	0.44	3.10	0.35	47.60	2.85	14.51	613.53	511.75		
SMDH 00730	97.2	81.43	0.14	31.07	66.02	138.69	16.59	58.01	10.01	1.30	7.49	0.95	5.88	1.10	2.95	0.44	2.99	0.34	26.29	1.35	7.19	322.03	595.83		1.50
SMDH 00730	76.7	64.23	0.17	24.06	52.40	112.61	12.94	45.99	8.06	1.35	6.01	0.79	4.51	0.81	2.60	0.33	2.48	0.28	20.40	1.17	9.79	426.31	642.11		
SMDH 00730	58.2	55.10	0.13	13.66	48.32	102.25	11.70	40.21	6.59	1.15	4.77	0.55	2.64	0.45	1.47	0.19	1.45	0.16	17.23	1.06	9.79	417.13	668.81		
SMDH 00730	97.1	91.99	0.18	23.70	79.76	167.69	19.88	67.14	10.06	1.34	7.26	0.80	4.17	0.90	2.28	0.33	2.48	0.28	28.45	1.59	8.96	399.70	659.45	0.36	
SMDH 00730	97.1	91.99	0.18	23.70	79.76	167.69	19.88	67.14	10.06	1.34	7.26	0.80	4.17	0.90	2.28	0.33	2.48	0.28	28.45	1.59	8.96	399.70	659.45	0.36	
SMDH 00729	83.2	78.89	0.09	20.43	64.97	140.52	16.91	57.43	10.45	0.84	6.58	0.86	3.68	0.71	1.93	0.24	1.76	0.20	26.63	1.66	10.73	456.84	515.91		1.63
SMDH 00729	130.2	113.62	0.14	39.29	102.93	158.31	24.54	80.66	13.47	1.83	9.65	1.30	7.12	1.30	3.31	0.52	2.89	0.33	24.59	1.76	11.20	438.33	655.64	1.89	
SMDH 00729	87.2	56.84	0.19	39.90	49.83	90.06	11.38	38.48	6.73	1.83	5.67	0.88	6.09	1.34	3.68	0.63	4.03	0.45	13.37	1.01	7.19	327.30	597.04		
SMDH 00729	59.8	36.02	0.18	29.14	32.25	57.52	7.00	23.92	5.01	1.69	3.75	0.60	4.51	1.00	2.77	0.37	2.58	0.29	7.59	0.84	8.25	353.77	548.16		
SMDH 00729	72.3	53.69	0.21	28.29	45.18	93.35	10.88	37.32	7.02	1.18	4.54	0.87	4.62	1.03	2.99	0.39	2.79	0.32	12.35	1.15	6.13	279.48	881.87		
SMDH 00729	91.3	71.61	0.20	33.37	62.18	122.60	14.61	50.84	8.08	0.97	6.47	0.92	5.24	1.06	2.96	0.46	2.79	0.33	18.70	1.43	7.19	298.26	760.34	2.72	1.36
SMDH 00729	69.9	57.83	0.09	22.49	47.62	97.62	11.14	42.06	7.43	0.74	4.99	0.68	3.95	0.84	2.10	0.35	2.17	0.26	15.53	1.21	7.08	338.38	526.49		
SMDH 00729	58.0	48.83	0.18	17.29	40.87	84.09	9.54	35.71	5.01	1.42	3.86	0.55	3.03	0.60	1.66	0.27	1.55	0.18	12.35	0.87	6.72	285.02	809.06		
SMDH 00729	17.7	12.42	0.06	5.92	11.76	23.28	2.42	8.67	1.62	1.78	1.02	0.22	1.11	0.22	0.63	0.08	0.62	0.07	2.72	0.28	2.83	120.49	337.87		
SMDH 00713	77.0	74.08	0.11	18.13	59.73	141.49	15.79	53.85	8.89	0.63	6.47	0.88	3.55	0.75	1.78	0.25	1.65	0.18	26.52	1.91	16.98	683.10	459.22		
SMDH 00713	93.6	68.64	0.22	37.48	54.61	106.64	13.73	48.07	8.61	1.22	7.15	1.00	5.84	1.14	3.54	0.47	3.20	0.37	17.91	1.47	13.09	522.08	739.54		
SMDH 00713	43.3	23.38	0.23	22.61	14.79	22.18	4.02	15.48	3.27	1.37	3.63	0.50	3.36	0.70	1.89	0.25	1.96	0.23	3.06	0.52	1.53	70.78	817.90		1.52
SMDH 00713	23.7	12.97	0.22	11.73	6.17	19.74	2.04	8.32	1.68	0.99	1.82	0.31	2.31	0.46	1.52	0.18	1.34	0.16	2.83	0.44	1.65	68.08	1021.42	3.28	
SMDH 00713	50.5	20.86	0.36	31.55	9.55	21.57	2.88	11.90	3.39	0.96	4.43	0.78	5.29	1.04	3.17	0.50	2.99	0.35	2.49	0.46	1.89	84.15	1548.95		
SMDH 00713	37.6	18.08	0.25	21.28	9.55	21.33	2.65	11.32	2.69	0.93	2.95	0.54	3.56	0.83	2.01	0.32	2.17	0.26	2.38	0.43	1.42	49.98	683.03		
SMDH 00713	35.3	19.36	0.31	18.26	12.69	24.37	3.35	12.48	3.01	0.98	2.95	0.44	3.10	0.59	1.80	0.27	1.65	0.19	3.17	0.31	1.53	52.68	717.70		1.50
SMDH 00713	30.0	14.93	0.19	16.20	11.06	21.33	2.65	9.36	2.66	1.51	2.27	0.40	2.52	0.60	1.61	0.20	1.76	0.23	2.49	0.29	1.30	52.68	699.67		
SMDH 00713	30.5	13.44	0.27	18.26	5.94	14.01	1.84	8.32	1.77	0.68	2.84	0.40	2.87	0.71	2.01	0.29	1.96	0.25	1.25	0.31	1.89	60.25	814.26	4.75	
SMDH 00713	50.6	21.77	0.27	30.59	9.20	19.62	3.12	13.29	2.92	1.35	3.75	0.68	4.68	1.00	2.97	0.44	2.89	0.38	2.04	0.34	2.00	79.70	1133.06		
SMDH 00713	32.8	16.16	0.26	17.89	8.27	19.26	2.36	10.17	2.26	1.14	3.06	0.48	3.15	0.66	1.86	0.27	2.17	0.28	1.93	0.34	2.00	68.49	893.31		1.40
SMDH 00713	34.9	17.75	0.13	18.50	12.69	29.00	3.20	10.98	2.71	1.87	2.84	0.47	3.10	0.75	1.83	0.30	1.96	0.25	2.95	0.50	1.42	57.54	531.34		
SMDH 00713	32.3	18.13	0.23	16.08	13.27	21.45	3.20	11.67	2.61	1.27	2.61	0.41	2.84	0.60	1.76	0.27	1.76	0.23	2.49	0.32	1.65	59.71	860.89		
SMDH 00697	76.5	70.90	0.09	19.10	53.91	139.42	14.24	52.12	8.23	0.76	6.01	0.73	3.81	0.75	2.00	0.27	1.86	0.21	24.03	1.99	11.20	451.30	422.12		1.85
SMDH 00697	93.4	84.97	0.10	25.39	61.94	166.72	17.71	61.59	11.38	0.76	8.17	0.93	4.74	0.88	2.25	0.34	2.48	0.28	34.45	2.61	12.15	478.18	546.25		
SMDH 00697	114.0	81.93	0.12	45.82	68.81	137.10	15.41	58.12	8.38	1.64	7.04	1.15	7.25	1.67	4.46	0.68	4.23	0.55	23.12	1.59	7.43	306.63	640.73	2.46	
SMDH 00697	130.1	98.50	0.16	49.57	83.72	168.55	19.40	69.91	11.58	1.40	9.19	1.23	7.97	1.68	4.54	0.60	4.34	0.55	33.21	2.63	8.14	343.51	665.17		1.46
SMDH 00697	114.4	81.94	0.05	47.75	73.35	140.27	16.88	56.39	9.81	1.57	8.51	1.17	7.50	1.60	4.38	0.59	4.65	0.68	26.63	2.53	8.37	320.54	644.20		
SMDH 00697	115.1	74.58	0.13	53.44	61.83	121.50	14.60	50.61	10.04	1.65	8.51	1.25	8.11	1.79	5.37	0.84	5.27	0.77	23.46	2.09	6.84	270.57	681.47		
SMDH 00697	130.8	99.11	0.10	50.17	85.23	163.79	19.91	69.56	12.06	1.44	9.08	1.29	8.35	1.64	4.47	0.68	4.75	0.69	32.30	2.47	9.32	369.17	785.83		1.47
SMDH 00697	115.7	82.19	0.12	48.36	69.86	133.69	16.29	56.97	9.16	1.42	8.17	1.17	7.77	1.71	4.68	0.77	5.16	0.75	26.41	1.73	8.14	320.95	741.80	1.47	1.51
SMDH 00697	98.8	79.49	0.07	34.09	70.44	135.40	16.08	57.08	9.59	1.30	7.38	1.02	5.30	1.18	3.06	0.50	3.30	0.49	25.61	1.99	9.67	379.57	825.53		
SMDH 00697	100.2	86.91	0.04	30.47	78.71	154.41	18.78	61.71	11.67	1.59	7.83	1.07	5.36	1.12	3.13	0.41	2.99	0.44	29.13	2.01	9.32	357.96	803.34		
SMDH 00697	151.2	125.73	0.15	51.50	116.32	226.07	27.55	87.94	16.63	1.51	12.03	1.68	8.57	1.73	4.91	0.79	5.58	0.81	47.83	2.83	23.82	964.07	2241.16		
SMDH 00697	142.0	118.56	0.08	45.09	97.81	197.79	23.88	85.51	16.12	2.24	10.78	1.47	7.70	1.54	4.59	0.74	4.44	0.61	41.59	2.25	10.38	459.81	835.93		1.65
SMDH 00697	142.0	118.56	0.08	45.09	97.81	197.79	23.88	85.51	16.12	2.24	10.78	1.47	7.70	1.54	4.59	0.74	4.44	0.61	41.59	2.25	10.38	459.81	835.93		1.65
SMDH 00698	173.5	170.42	0.11	37.96	141.12	293.71	36.27	124.92	22.48	1.35	16.11	1.61	7.62	1.33	3.37	0.46	3.61	0.42	60.07	3.25	18.87	743.89	546.60	1.83	
SMDH 00698	196.0	190.54	0.16	42.19	163.94	336.48	38.41	142.48	23.51	1.68	16.80	1.80	7.86	1.42	4.18	0.57	3.61	0.48	62.79	3.26	11.67	512.09	758.61		
SMDH 00698	129.9	116.42	0.08	36.99	107.35	212.91	24.95	83.78	14.74	1.43	10.44	1.16	6.54	1.22	3.51	0.60	3.51	0.48	41.82	2.17	10.38	472.51	761.21	2.81	
SMDH 00698	132.2	122.84	0.08	34.33	113.29	226.19	26.39	88.98	15.96	1.42	10.33	1.23	6.24	1.07	3.48	0.55	2.89	0.41	43.75	2.20	14.51	665.13	700.54		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00698	153.9	143.37	0.07	39.41	128.89	257.02	30.59	105.16	16.77	1.71	11.58	1.45	6.18	1.42	4.10	0.70	4.03	0.56	48.05	1.99	11.56	517.63	627.73		
SMDH 00698	128.4	121.03	0.07	31.67	108.29	219.61	26.23	87.59	15.85	1.90	10.89	1.22	5.99	0.99	3.05	0.56	2.79	0.38	43.63	1.81	8.25	375.12	665.86		1.65
SMDH 00698	173.5	156.21	0.05	48.24	137.39	280.42	32.91	113.36	19.96	1.98	14.64	1.72	8.21	1.58	4.85	0.82	4.44	0.61	56.78	2.22	9.32	433.34	709.20		
SMDH 00698	162.5	142.88	0.09	48.12	124.94	250.81	30.15	102.61	19.18	1.62	13.62	1.73	8.38	1.65	4.71	0.80	5.47	0.75	50.77	2.37	9.08	414.16	803.16	1.23	
SMDH 00698	156.5	133.39	0.10	49.57	116.78	239.96	28.18	95.22	18.37	1.75	13.05	1.68	8.32	1.60	4.92	0.79	4.96	0.68	49.64	2.37	12.85	577.33	888.11		
SMDH 00698	152.8	126.32	0.15	50.78	107.00	216.81	25.59	90.71	18.03	1.25	11.80	1.66	8.36	1.69	5.12	0.93	5.47	0.76	44.31	2.17	11.91	532.62	852.92		1.59
SMDH 00698	121.8	115.95	0.07	28.89	104.79	210.47	25.25	84.01	15.74	2.26	10.89	1.29	5.40	0.95	2.69	0.44	2.58	0.35	42.27	1.77	8.14	354.04	737.29		
SMDH 00698	121.8	115.95	0.07	28.89	104.79	210.47	25.25	84.01	15.74	2.26	10.89	1.29	5.40	0.95	2.69	0.44	2.58	0.35	42.27	1.77	8.14	354.04	737.29		
SMDH 00681	120.8	107.04	0.21	32.76	85.23	182.32	20.46	79.16	12.44	1.50	9.87	1.24	6.19	1.11	2.88	0.44	2.68	0.35	29.81	2.43	13.21	637.71	828.30		1.56
SMDH 00681	76.5	62.15	0.13	25.27	50.07	104.93	11.90	45.07	7.57	0.98	6.81	0.91	4.27	0.79	2.23	0.29	1.76	0.23	18.93	1.65	6.01	308.52	737.81		
SMDH 00681	35.7	18.07	0.15	19.46	8.85	21.21	2.98	10.98	2.81	1.13	3.52	0.62	3.50	0.64	1.77	0.25	1.55	0.22	2.38	0.55	2.36	108.47	1023.67		
SMDH 00681	41.6	19.99	0.19	23.21	8.03	20.23	2.89	12.02	3.63	1.25	3.75	0.72	4.36	0.77	2.39	0.31	1.86	0.26	1.70	0.43	2.24	104.15	1241.58	2.15	
SMDH 00681	45.0	23.45	0.04	22.85	9.90	26.93	3.13	15.48	4.14	1.84	4.43	0.73	4.09	0.85	2.00	0.31	1.45	0.20	1.47	0.57	1.06	42.14	571.56		1.74
SMDH 00681	53.6	24.31	0.00	30.47	10.94	28.15	3.31	14.56	4.78	2.19	5.45	0.91	5.53	0.96	2.78	0.40	2.38	0.32	1.13	0.55	0.71	32.01	305.46		
SMDH 00681	48.7	24.74	0.00	25.39	11.18	29.37	3.51	15.83	4.02	2.08	4.09	0.79	4.62	0.81	2.46	0.36	1.96	0.27	1.47	0.53	0.71	28.10	421.26		
SMDH 00681	39.1	18.83	0.06	21.52	8.27	22.30	2.82	11.79	3.27	1.53	3.75	0.63	3.60	0.71	1.92	0.29	1.55	0.21	1.47	0.33	1.18	59.84	803.86		
SMDH 00731	115.5	101.96	0.10	31.92	87.91	189.75	20.07	75.34	12.44	1.65	9.42	1.12	5.43	1.01	3.20	0.47	2.89	0.38	26.75	1.99	16.39	779.82	762.25		
SMDH 00731	110.3	86.99	0.14	37.60	73.70	128.94	16.01	63.79	8.81	1.73	7.49	0.99	6.20	1.10	3.71	0.52	3.30	0.44	22.67	1.10	9.43	458.19	772.65	2.20	
SMDH 00731	85.4	67.71	0.05	30.22	63.57	117.48	14.01	48.65	8.01	1.44	6.36	0.76	4.29	0.94	3.00	0.39	2.79	0.39	21.31	0.80	6.72	320.27	614.38	2.51	1.61
SMDH 00731	82.8	68.17	0.05	27.44	56.24	113.09	14.22	49.00	7.90	1.44	5.56	0.84	4.12	0.89	2.46	0.46	2.68	0.38	24.14	1.27	5.78	264.08	538.10		
SMDH 00731	117.5	95.44	0.22	38.69	77.20	162.82	17.70	70.37	12.28	1.05	8.97	1.24	6.13	1.28	3.85	0.66	4.13	0.47	36.49	2.22	5.66	240.58	556.13		
SMDH 00731	110.6	85.54	0.05	40.50	69.98	144.05	16.89	61.36	10.74	1.49	8.62	1.08	6.21	1.31	3.81	0.74	4.34	0.60	33.09	2.10	7.90	366.34	659.80	1.77	
SMDH 00731	107.3	90.96	0.00	32.40	74.75	153.80	18.00	66.33	11.01	1.91	8.51	1.17	5.46	1.06	2.97	0.49	2.68	0.35	33.32	1.99	6.13	276.24	526.14		
SMDH 00731	101.5	84.74	0.05	32.28	69.98	146.37	17.37	61.13	11.08	1.82	8.40	1.09	5.15	0.94	3.12	0.50	2.48	0.33	32.87	2.03	7.43	305.82	593.57		1.75
SMDH 00731	114.5	93.83	0.00	36.99	76.50	160.62	18.19	67.83	11.49	1.87	8.85	1.18	6.62	1.08	3.18	0.55	2.68	0.34	35.13	2.08	6.13	290.96	644.37	0.89	
SMDH 00731	130.8	94.17	0.05	53.31	76.03	155.75	18.34	66.56	11.38	1.69	9.42	1.48	7.79	1.71	5.52	0.91	4.75	0.62	31.73	2.17	6.60	323.11	644.72		
SMDH 00731	130.8	94.17	0.05	53.31	76.03	155.75	18.34	66.56	11.38	1.69	9.42	1.48	7.79	1.71	5.52	0.91	4.75	0.62	31.73	2.17	6.60	323.11	644.72		
SMDH 00715	79.3	70.99	0.05	22.00	61.25	130.64	14.38	51.88	8.12	0.66	6.70	0.83	3.90	0.71	2.23	0.31	2.07	0.26	25.50	2.25	17.10	841.28	536.71		1.62
SMDH 00715	142.4	126.51	0.06	39.41	104.91	224.12	24.68	93.25	15.31	1.18	12.03	1.55	7.02	1.34	3.93	0.54	3.72	0.48	42.73	2.84	22.17	1081.86	811.48		
SMDH 00715	115.5	103.15	0.08	32.16	84.07	184.51	21.15	75.80	12.41	1.36	8.97	1.11	5.08	1.03	3.16	0.50	2.58	0.34	37.29	1.91	11.20	506.28	654.42		
SMDH 00715	105.4	64.95	0.09	51.86	50.53	103.95	12.16	44.03	6.90	0.71	6.47	1.19	7.58	1.50	5.13	0.77	3.82	0.50	21.87	1.55	8.61	392.95	939.08		1.54
SMDH 00715	172.6	132.57	0.09	65.28	109.33	224.36	26.55	94.52	15.07	1.31	12.14	1.85	9.64	1.99	7.12	1.03	5.58	0.72	51.11	2.18	8.37	362.28	864.19		
SMDH 00715	133.9	121.21	0.02	35.78	104.21	215.83	24.74	89.21	14.16	1.69	10.67	1.22	6.04	1.06	3.73	0.63	2.68	0.35	48.62	1.82	7.19	300.96	814.26	1.74	
SMDH 00715	121.1	95.42	0.09	43.76	78.36	169.64	19.70	67.72	12.19	1.57	9.42	1.24	6.77	1.51	4.64	0.87	5.27	0.58	40.69	1.70	8.96	376.47	760.52		
SMDH 00715	118.1	94.81	0.05	41.35	74.40	160.87	19.06	68.52	11.21	0.96	8.74	1.02	6.20	1.54	3.97	0.66	4.13	0.46	35.02	1.62	7.08	285.42	635.70		1.68
SMDH 00715	138.3	113.02	0.11	47.51	90.35	198.28	23.72	80.66	14.65	1.45	10.21	1.26	7.38	1.60	5.65	1.04	5.78	0.64	43.18	1.62	9.79	391.60	761.56		
SMDH 00715	190.8	153.23	0.18	68.31	121.56	267.87	31.96	109.78	19.67	1.23	13.62	1.61	9.89	2.39	7.69	1.40	8.36	0.94	60.07	2.46	9.20	366.34	874.76		
SMDH 00715	176.7	142.87	0.14	61.29	109.33	237.16	28.77	103.42	19.43	1.34	12.94	1.69	8.99	2.09	6.70	1.19	6.82	0.76	53.61	2.49	11.67	484.13	891.58	1.22	
SMDH 00715	124.0	109.60	0.09	36.99	88.72	194.38	24.13	78.35	15.21	1.50	9.42	1.23	5.89	1.31	3.68	0.63	3.51	0.39	43.52	1.27	8.14	340.00	818.77		1.64
SMDH 00715	124.0	109.60	0.09	36.99	88.72	194.38	24.13	78.35	15.21	1.50	9.42	1.23	5.89	1.31	3.68	0.63	3.51	0.39	43.52	1.27	8.14	340.00	818.77		1.64
SMDH 00714	122.0	96.92	0.16	41.71	80.92	168.42	18.20	70.03	11.65	1.61	9.53	1.31	7.38	1.31	3.95	0.53	3.72	0.49	29.47	2.25	11.91	553.69	986.40		
SMDH 00714	87.6	73.97	0.09	26.72	62.64	133.81	14.19	54.20	9.44	1.13	7.49	0.93	4.65	0.95	2.56	0.41	2.27	0.30	23.80	2.20	11.79	545.32	561.68		
SMDH 00714	88.9	82.46	0.02	22.24	65.20	145.63	16.64	60.55	10.08	0.87	7.04	0.84	4.44	0.78	2.10	0.39	2.07	0.23	28.90	1.95	13.92	589.35	545.21		
SMDH 00714	115.2	113.02	0.05	24.78	91.87	199.13	23.82	82.74	14.38	1.23	9.19	1.20	5.26	1.04	2.46	0.40	2.27	0.25	40.23	2.49	18.40	798.86	609.00		
SMDH 00714	94.3	88.07	0.04	23.33	72.89	151.85	18.71	64.13	12.29	1.60	7.60	0.84	4.39	0.76	2.13	0.35	1.96	0.20	28.45	1.24	8.37	365.39	630.15		
SMDH 00714	92.1	79.20	0.09	27.56	61.71	130.89	15.93	57.43	10.18	1.30	6.36	0.84	5.00	0.94	2.94	0.44	2.79	0.28	24.37	1.24	8.14	326.22	648.36	0.90	1.60
SMDH 00714	102.9	86.27	0.09	32.64	64.74	131.86	17.70	62.05	10.30	1.73	7.49	0.95	5.57	1.06	3.16	0.59	3.20	0.37	24.37	1.37	6.96	306.36	645.76		
SMDH 00714	105.9	91.58	0.05	32.64	77.78	161.72	19.72	65.40	13.68	1.40	8.28	1.04	5.42	1.17	3.26	0.50	3.41	0.35	29.92	1.71	11.56	462.78	723.25		
SMDH 00714	92.4	73.60	0.09	32.40	57.98	123.09	15.11	51.88	10.47	1.54	7.15	1.15	5.46	1.07	3.47	0.53	3.10	0.31	21.42	1.17	7.67	306.77	915.50		
SMDH 00714	92.4	73.60	0.09	32.40	57.98	123.09	15.11	51.88	10.47	1.54	7.15	1.15	5.46	1.07	3.47	0.53	3.10	0.31	21.42	1.17	7.67	306.77	915.50		
SMDH 00682	112.4	94.82	0.14	35.06	80.11	174.88	18.96	68.06	12.41	1.49	9.19	1.32	6.48	1.26	3.55	0.53	3.51	0.43	30.03	2.46	17.22	810.62	899.55	1.42	1.50
SMDH 00682	106.3	84.39	0.13	37.24	72.42	155.26	16.70	59.97	10.18	1.35	8.40	1.17	6.55	1.36	3.68	0.51	3.61	0.45	27.20	2.41	20.52	955.15	857.42		
SMDH 00682	90.2	74.30	0.05	30.71	61.01	129.55	16.20	52.23	9.96	1.44	6.92	0.83	5.04	1.01	3.08	0.46	2.99	0.30	23.01	1.87	15.33	628.26	683.89		1.62
SMDH 00682	113.7	96.32	0.07	35.66	80.34	170.98	19.72	69.33	11.75	1.45	9.19	1.16	6.10	1.25	3.37	0.57	3.51	0.35	30.49	2.72	22.29	928.00	824.31	2.70	
SMDH 00682	113.3	93.34	0.08	37.36	77.31	165.38	18.79	66.91	12.37	1.44	8.51	1.11	6.53	1.35	3.59	0.55	3.82	0.39	28.22	2.37	17.45	729.43	880.48		
SMDH 00682	105.2	90.64	0.06	31.43	70.09	155.63	18.02	65.98	10.20	1.14	8.06	0.95	5.68	1.10	2.92	0.45	2.99	0.32	29.01	2.09	16.86	715.92	816.17		
SMDH 00682	95.2	80.51	0.02	30.10	64.62	134.91	16.61	57.78	11.34	1.24	7.94	1.06	5.06	1.00	2.98	0.39	3.10	0.33	29.35	1.63	8.49	356.88	689.44		1.47
SMDH 00682	70.4	59.54	0.02	21.88	46.46	97.50	12.11	42.64	7.80	1.04	5.67	0.71	4.08	0.68	1.91	0.32	1.65	0.18	20.17	1.15	7.43	319.87	591.15		
SMDH 00682	96.0	79.69	0.10	31.19	58.57	128.21	15.91	56.51	12.31	1.05	9.42	1.15	6.13	1.13	3.01	0.47	3.10	0.34	27.09	1.56	8.49	365.39	678.17	1.60	
SMDH 00682	43.4	35.66	0.03	14.14	29.34	63.37	7.69	25.31	4.92	1.30	3.97	0.42	2.24	0.46	1.31	0.20	1.55	0.17	12.13	0.81	3.18	139.40	583.69		
SMDH 00682	115.0	105.66	0.03	29.50	78.83	174.64	21.72	76.73	16.02	1.54	10.55	1.32	5.89	1.02	2.42	0.38	2.68	0.29	39.67	2.38	7.55	319.33	682.68		1.50
SMDH 00682	106.4	90.38	0.05	32.76	65.55	149.66	18.23	64.83	13.75	1.49	10.33	1.20	6.13	1.18	2.97	0.50	3.20	0.34	34.45	2.27	9.08	371.33	614.72		
SMDH 00682	106.0	97.13	0.05	26.48	71.72	160.50	19.38	71.30	14.50	1.82	10.10	1.16	5.29	0.94	2.50	0.39	3.20	0.35	37.63	2.33	7.19	289.75	623.91		
SMDH 00682	143.8	129.55	0.05	39.65	98.27	213.64	26.65	93.72	18.18	1.26	13.28	1.58	7.60	1.39	3.60	0.64	4.23	0.45	49.64	2.64	10.38	436.44	782.71	1.80	
SMDH 00682	159.0	142.11	0.12	45.21	110.85	242.03	29.07	103.65	18.68	0.78	14.64	1.61	7.78	1.57	4.26	0.75	4.54	0.50	52.36	2.92	17.45	720.52	1192.00		0.81
SMDH 00682	120.2	112.51	0.08	29.62	85.35	191.58	22.99	81.70	16.28	1.09	12.48	1.30	6.53	1.17	2.84	0.46	3.10	0.34	39.78	2.31	10.73	441.17	773.17		
SMDH 00683	111.6	86.23	0.20	39.65	70.09	149.78	16.41	61.13	10.31	2.12	8.74	1.20	7.49	1.39	4.13	0.62	3.82	0.48	24.25	2.41	10.97	527.89	1193.91		
SMDH 00683	142.2	124.34	0.16	41.23	106.54	228.75	24.99	89.79	14.75	1.57	11.58	1.66	7.90	1.42	3.76	0.57	3.51	0.43	40.35	3.31	23.00	1108.06	960.75		
SMDH 00683	137.0	126.51	0.05	34.58	101.30	224.12	25.46	92.68	14.49	1.36	10.78	1.39	6.99	1.22	3.09	0.50	3.30	0.36	41.14	2.87	14.03	617.05	820.50		
SMDH 00683	105.4	87.49	0.08	34.21	69.28	153.80	17.64	63.21	10.15	1.35	7.26	0.98	5.67	1.18	3.13	0.52	3.41	0.38	30.94	1.38	7.43	339.19	658.93		
SMDH 00683	85.5	75.37	0.00	24.42	61.01	127.72	15.56	54.31	9.15	1.31	6.01	0.73	4.76	0.82	2.33	0.38	2.07	0.23	24.25	0.93	5.78	256.52	517.64	1.80	1.71
SMDH 00683	68.3	60.40	0.04	18.38	49.49	103.35	11.97	44.49	6.77	1.50	4.20	0.56	3.37	0.65	1.64	0.31	1.65	0.18	19.72	0.73	7.67	344.99	662.57		
SMDH 00683	24.8	18.80	0.00	8.58	17.93	35.71	4.30	12.94	2.02	1.70	1.59	0.21	1.35	0.25	0.83	0.10	0.83	0.09	5.10	0.39	6.84	323.38	553.01		
SMDH 00683	135.8	117.36	0.05	41.47	94.55	205.11	24.36	84.70	14.10	1.34	9.76	1.22	7.08	1.41	3.70	0.60	3.82	0.42	42.73	1.56	10.26	451.03	801.26		
SMDH 00683	103.2	87.58	0.00	32.16	68.58	151.97	18.12	63.21	9.92	1.55	6.92	1.01	5.24	1.18	3.28	0.46	2.89	0.31	30.49	1.20	11.32	471.43	750.64		1.78
SMDH 00683	15.7	11.96	0.00	4.84	11.99	21.94	2.67	8.32	1.59	1.60	0.91	0.14	0.83	0.14	0.37	0.06	0.52	0.06	2.49	0.29	7.19	310.68	637.43	0.70	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00667	121.1	102.38	0.11	37.24	87.79	189.26	20.03	73.96	11.26	1.47	9.65	1.30	7.09	1.33	3.80	0.59	3.82	0.47	32.87	2.83	22.41	1019.58	886.03		1.44
SMDH 00667	221.7	201.73	0.14	57.30	172.32	354.27	39.38	148.60	24.34	2.07	17.14	2.31	11.44	2.13	5.66	0.76	5.16	0.65	62.67	4.77	37.03	1729.02	1182.47	1.73	
SMDH 00667	72.1	49.88	0.24	29.50	29.34	62.40	8.81	34.32	8.30	1.49	7.15	0.95	5.80	1.05	2.77	0.34	2.68	0.31	8.95	0.87	7.19	308.52	1530.74		
SMDH 00667	62.9	41.69	0.21	27.20	24.45	42.65	7.53	28.08	5.09	1.51	5.56	0.93	5.15	0.96	2.34	0.32	2.38	0.27	5.55	0.61	3.77	165.74	1319.59		
SMDH 00667	65.3	42.47	0.23	29.38	26.66	56.55	7.98	28.31	7.38	1.41	6.58	0.90	5.29	1.00	2.67	0.40	2.68	0.31	7.37	0.61	7.90	374.58	1448.92		1.61
SMDH 00667	78.1	54.95	0.20	31.80	30.97	86.04	10.11	37.79	8.36	1.49	7.94	1.00	6.06	1.15	3.30	0.34	2.68	0.31	10.99	0.76	7.08	291.91	1703.23		
SMDH 00667	69.4	44.15	0.29	31.07	21.19	50.21	7.49	29.24	8.04	1.66	7.15	0.99	6.44	1.08	3.01	0.37	2.58	0.30	4.08	0.46	3.54	173.17	1752.64	2.00	
SMDH 00667	68.9	43.89	0.24	30.95	21.77	52.65	7.60	29.58	8.37	1.62	7.15	1.08	5.63	1.00	2.63	0.37	2.27	0.26	6.46	0.42	3.30	154.26	1831.17		
SMDH 00667	105.2	79.47	0.27	39.05	49.72	138.57	15.05	55.24	11.06	1.71	9.42	1.25	7.93	1.37	3.94	0.42	3.51	0.41	21.53	0.77	10.50	473.73	1957.03		1.71
SMDH 00667	131.4	101.42	0.24	49.93	78.48	193.77	21.47	70.37	14.19	1.54	9.53	1.41	8.17	1.65	5.67	0.77	5.06	0.57	31.73	0.79	14.15	614.88	1985.81		
SMDH 00667	92.4	62.93	0.27	39.41	41.80	119.80	11.71	43.22	9.69	1.72	7.83	1.04	6.96	1.42	4.01	0.56	3.82	0.44	21.08	0.60	8.37	328.65	1444.93		
SMDH 00667	80.5	54.46	0.30	34.09	33.18	85.06	9.84	36.86	8.07	1.74	7.38	0.99	6.77	1.30	3.00	0.45	2.68	0.31	10.99	0.45	4.36	176.82	1535.42	1.70	
SMDH 00667	109.1	83.24	0.28	40.02	57.05	135.40	16.13	58.01	13.68	1.99	10.55	1.37	7.73	1.45	3.78	0.44	2.99	0.34	19.15	0.61	7.90	290.02	2426.83		1.82
SMDH 00667	117.3	90.27	0.31	43.16	57.29	139.91	17.97	61.48	14.11	1.82	12.60	1.69	9.13	1.50	4.13	0.49	3.10	0.36	19.49	0.82	3.89	161.02	2237.52		
SMDH 00667	117.3	90.27	0.31	43.16	57.29	139.91	17.97	61.48	14.11	1.82	12.60	1.69	9.13	1.50	4.13	0.49	3.10	0.36	19.49	0.82	3.89	161.02	2237.52		
SMDH 00665	132.7	121.55	0.12	33.85	103.28	228.75	23.96	89.32	13.31	1.30	10.78	1.33	6.94	1.26	3.28	0.49	2.99	0.37	41.82	3.14	20.76	999.05	914.46		
SMDH 00665	82.0	74.13	0.06	21.28	61.71	141.61	14.17	55.12	8.66	0.78	6.92	0.83	4.02	0.82	2.04	0.33	1.86	0.23	23.69	1.70	9.32	440.36	547.64		
SMDH 00665	95.1	88.47	0.05	24.78	75.57	174.27	19.20	63.56	12.01	1.06	8.06	0.99	4.73	0.90	2.55	0.35	2.58	0.29	30.94	2.19	11.56	517.22	544.17		
SMDH 00665	65.6	47.75	0.18	25.87	33.65	74.46	9.48	32.59	7.54	1.47	6.13	0.83	4.86	0.85	2.86	0.38	2.27	0.26	11.79	1.01	7.43	308.25	1228.41		
SMDH 00665	49.0	24.66	0.24	26.48	9.66	23.52	3.47	15.02	4.23	1.34	5.11	0.76	5.42	1.04	2.73	0.32	2.38	0.27	1.70	0.25	2.71	123.87	1644.29	2.30	1.72
SMDH 00665	47.5	25.85	0.21	24.42	11.18	26.69	3.96	16.29	4.60	1.17	4.43	0.68	4.92	0.95	2.51	0.33	2.27	0.26	2.38	0.47	2.95	122.92	1410.61		
SMDH 00665	50.3	25.51	0.38	26.48	8.85	23.28	3.26	16.29	3.79	1.54	5.56	0.80	5.15	0.94	2.53	0.42	2.38	0.32	1.36	0.24	2.95	114.55	1549.81		
SMDH 00665	70.2	57.62	0.25	21.88	42.27	92.62	11.02	41.48	8.50	1.69	6.47	0.83	4.28	0.79	1.93	0.25	1.55	0.21	18.47	0.66	4.72	199.92	1009.29		
SMDH 00665	73.6	58.28	0.20	23.82	43.90	84.33	10.46	42.29	7.78	2.00	6.47	0.93	4.61	0.71	2.04	0.30	1.86	0.26	12.58	0.70	5.19	218.69	1126.13		1.39
SMDH 00665	29.6	15.03	0.32	16.32	7.68	18.04	2.63	8.78	3.05	0.87	3.06	0.55	3.07	0.59	1.75	0.25	1.45	0.20	1.47	0.65	2.59	100.23	1364.32	5.60	
SMDH 00665	91.7	94.75	0.08	13.78	85.00	177.32	19.46	71.53	12.26	2.58	7.49	0.73	3.03	0.48	1.13	0.15	0.83	0.12	32.64	0.97	5.07	208.43	711.80		
SMDH 00665	91.7	94.75	0.08	13.78	85.00	177.32	19.46	71.53	12.26	2.58	7.49	0.73	3.03	0.48	1.13	0.15	0.83	0.12	32.64	0.97	5.07	208.43	711.80		
SMDH 00666	96.2	82.26	0.10	28.77	67.88	141.25	16.14	59.74	8.91	1.26	7.83	0.95	5.43	1.02	2.97	0.41	2.48	0.35	24.71	1.87	11.67	524.52	737.98		1.50
SMDH 00666	100.4	84.72	0.11	30.95	71.61	149.53	16.49	61.59	8.69	1.23	8.97	1.07	5.57	0.99	3.19	0.44	2.58	0.37	25.84	2.11	13.33	579.36	789.12		
SMDH 00666	132.8	114.07	0.13	39.41	97.69	199.01	22.32	83.20	14.91	1.68	11.80	1.37	7.18	1.11	3.78	0.59	3.82	0.53	32.41	2.95	15.80	664.19	805.07		
SMDH 00666	105.9	87.96	0.09	33.61	74.17	158.80	17.25	63.44	11.93	1.61	9.31	1.02	6.25	1.13	3.33	0.52	3.20	0.44	24.59	2.19	11.56	475.48	869.04		1.47
SMDH 00666	153.3	138.16	0.05	42.55	124.70	252.51	29.08	100.07	17.75	1.65	13.28	1.48	7.52	1.27	4.05	0.55	3.72	0.52	43.97	3.48	24.65	1209.24	853.26		
SMDH 00666	171.7	146.63	0.07	53.80	127.38	250.32	30.55	105.62	18.12	1.80	13.05	1.63	8.83	1.77	5.07	0.75	4.54	0.63	43.97	3.35	25.24	1224.23	804.72	2.90	
SMDH 00666	210.5	206.98	0.11	44.25	180.48	374.99	42.32	153.11	25.14	1.64	18.16	1.89	9.65	1.54	4.16	0.62	4.03	0.56	69.70	4.61	31.01	1483.18	846.33		
SMDH 00666	118.4	104.59	0.10	32.40	88.49	178.05	20.18	77.77	13.42	1.63	9.19	1.14	5.50	1.04	3.16	0.49	2.48	0.35	31.51	1.96	11.56	566.80	625.65		1.51
SMDH 00666	89.5	71.53	0.13	30.83	62.88	127.96	14.63	51.19	9.84	1.73	7.15	0.93	4.78	1.06	3.41	0.44	3.10	0.42	22.55	1.37	8.61	411.32	626.17		
SMDH 00666	98.7	81.39	0.09	31.19	66.25	133.81	15.29	59.86	8.86	1.36	7.26	0.90	5.35	1.07	3.32	0.51	3.41	0.48	24.14	1.23	7.31	335.94	591.84		
SMDH 00666	123.5	107.18	0.09	37.36	93.96	192.43	22.50	78.00	13.12	1.45	9.65	1.09	5.58	1.22	3.85	0.64	3.82	0.53	35.36	2.10	9.67	474.81	741.62	1.40	
SMDH 00666	81.2	63.96	0.08	29.38	58.22	120.16	13.54	45.64	8.65	1.42	5.56	0.73	4.04	0.94	3.06	0.46	3.10	0.43	20.74	1.07	9.20	461.70	785.48		1.64
SMDH 00666	76.1	64.27	0.11	23.45	55.89	113.34	13.23	46.45	7.27	1.63	5.90	0.76	3.83	0.80	2.31	0.35	2.27	0.31	20.29	1.07	7.19	335.81	574.85		
SMDH 00666	94.3	82.53	0.13	26.60	70.79	143.20	16.43	60.55	9.19	1.63	6.47	0.95	4.59	0.92	2.67	0.38	2.38	0.32	25.73	1.27	8.37	404.16	717.53		
SMDH 00649	137.6	122.54	0.06	38.44	104.09	221.19	24.67	89.44	13.23	1.33	11.35	1.51	6.91	1.27	4.10	0.54	3.61	0.51	39.44	3.19	21.11	917.87	825.01	0.89	
SMDH 00649	92.2	81.41	0.11	26.11	70.56	156.36	16.58	58.82	9.30	1.23	8.17	1.06	4.96	0.90	2.67	0.38	2.58	0.35	25.84	2.10	14.39	628.93	568.78		
SMDH 00649	79.5	62.99	0.10	27.81	55.07	114.44	12.69	45.07	8.73	1.35	5.67	0.78	4.46	0.98	3.18	0.44	3.20	0.45	18.59	1.31	8.96	421.72	724.81		
SMDH 00649	152.9	134.56	0.09	44.01	115.50	234.72	27.36	97.64	15.69	1.74	11.69	1.64	7.91	1.44	4.04	0.60	4.34	0.60	43.07	3.36	22.52	1056.73	828.47	2.00	1.56
SMDH 00649	149.6	132.54	0.07	43.28	119.70	243.25	27.50	96.14	15.90	1.27	12.48	1.63	7.27	1.35	4.14	0.66	4.23	0.59	44.65	3.53	26.89	1251.92	824.31		
SMDH 00649	143.5	129.94	0.05	37.36	111.66	230.70	25.13	96.60	15.29	1.33	11.35	1.45	6.76	1.26	3.45	0.49	3.30	0.46	42.61	2.34	13.80	615.96	704.70		
SMDH 00649	89.2	81.21	0.16	22.97	65.67	144.42	16.05	59.40	11.43	1.04	7.83	0.92	4.85	0.84	2.03	0.34	2.17	0.31	25.27	1.56	5.42	258.14	895.56		
SMDH 00649	86.4	75.10	0.28	24.06	49.95	128.57	13.89	55.24	11.68	1.12	8.85	1.07	4.90	0.87	1.92	0.29	1.55	0.22	17.34	0.91	2.24	96.85	1027.66		1.30
SMDH 00649	73.5	51.75	0.21	29.74	28.06	70.93	8.67	36.17	9.96	0.74	9.31	1.38	5.53	1.04	2.43	0.25	1.45	0.20	3.51	0.69	1.06	47.14	616.11	4.50	
SMDH 00649	134.1	104.83	0.20	48.12	82.32	180.12	20.41	75.46	11.51	1.56	10.21	1.25	7.71	1.48	5.05	0.71	4.96	0.69	38.31	1.83	8.02	351.48	773.69		
SMDH 00649	103.4	97.73	0.13	25.03	86.16	175.98	20.59	71.76	12.23	1.20	8.17	0.94	4.44	0.80	2.28	0.29	1.86	0.24	37.63	1.83	9.91	418.61	813.05		
SMDH 00649	119.3	108.30	0.09	32.28	93.85	185.24	22.46	79.96	12.30	1.16	7.38	0.84	5.04	1.00	3.59	0.47	3.61	0.45	36.83	1.61	10.14	456.44	738.33		1.52
SMDH 00649	124.5	118.74	0.06	28.89	104.68	212.42	24.80	87.48	12.98	1.64	9.31	1.02	5.44	1.04	3.04	0.42	3.10	0.39	42.05	1.50	10.26	453.60	836.62		
SMDH 00649	52.7	47.67	0.13	13.30	42.27	86.28	9.76	35.24	5.06	1.47	3.86	0.42	2.24	0.48	1.50	0.16	1.24	0.16	15.53	1.10	7.55	321.22	794.32	2.00	
SMDH 00649	27.5	21.74	0.12	8.95	20.73	39.61	4.78	15.48	2.54	1.59	1.93	0.23	1.24	0.28	1.19	0.20	1.03	0.13	6.23	0.46	5.78	258.95	692.22		
SMDH 00649	65.0	38.38	0.26	31.43	17.35	47.89	5.70	25.19	7.09	0.89	7.60	1.77	5.73	1.10	3.23	0.38	2.68	0.34	3.17	0.99	2.00	96.72	873.03		1.58
SMDH 00649	46.8	33.72	0.27	18.38	16.07	40.46	5.84	23.34	6.46	0.58	6.01	0.81	3.72	0.59	1.52	0.17	1.24	0.15	2.72	1.26	2.00	85.37	908.04		
SMDH 00649	25.8	22.86	0.08	5.56	19.10	41.07	4.53	16.99	2.92	1.91	2.04	0.24	1.10	0.16	0.42	0.07	0.31	0.04	5.33	0.66	6.84	284.88	698.98		
SMDH 00650	81.1	68.26	0.07	25.39	56.94	122.11	13.55	49.69	8.26	0.96	7.15	0.78	4.24	0.82	2.68	0.42	2.58	0.37	20.97	1.84	13.44	586.65	585.77		1.64
SMDH 00650	101.7	87.12	0.16	29.62	71.14	153.31	16.35	64.71	9.58	1.30	8.06	1.01	5.05	0.96	2.96	0.45	2.68	0.38	26.18	2.09	12.50	547.48	740.06		
SMDH 00650	116.9	101.08	0.04	33.25	80.92	172.08	18.73	74.65	12.91	1.33	9.65	1.25	6.45	1.19	2.99	0.45	3.30	0.35	34.79	2.87	17.57	746.32	803.34	2.70	
SMDH 00650	99.1	81.55	0.07	31.80	67.42	139.66	15.58	59.16	10.57	1.35	7.38	1.12	5.68	1.13	2.87	0.46	3.30	0.34	24.71	2.32	14.03	565.99	782.88		1.54
SMDH 00650	64.6	48.08	0.06	24.66	38.77	84.82	9.11	34.55	5.90	0.95	4.88	0.73	3.68	0.81	2.27	0.34	2.27	0.23	14.05	1.21	10.02	417.53	626.34		
SMDH 00650	80.9	66.24	0.07	26.48	55.66	115.78	12.96	48.30	8.75	1.11	6.58	0.83	4.15	1.00	2.11	0.35	2.58	0.27	22.55	1.47	11.56	444.41	646.10		
SMDH 00650	54.4	41.85	0.09	19.71	33.07	69.34	7.83	30.04	4.84	0.70	3.75	0.54	3.44	0.79	2.06	0.23	2.07	0.22	12.81	1.12	5.42	214.10	403.75		
SMDH 00650	68.8	56.15	0.03	22.37	43.20	90.31	10.66	40.91	6.78	0.90	5.45	0.65	3.93	0.78	2.14	0.28	1.96	0.20	15.64	0.92	5.07	233.28	495.63	1.30	1.56
SMDH 00650	82.1	68.04	0.09	26.72	57.05	117.36	13.77	49.00	7.82	1.15	6.58	0.73	4.54	0.95	2.55	0.39	2.79	0.29	19.83	1.04	7.90	321.90	692.91		
SMDH 00650	85.9	65.19	0.13	31.92	51.93	106.39	12.44	46.92	8.31	1.23	6.24	0.73	5.09	1.10	3.32	0.51	3.92	0.41	18.25	1.05	7.43	305.28	667.25		
SMDH 00650	142.1	133.71	0.15	31.55	114.57	199.38	26.08	100.19	17.30	2.96	9.65	1.14	6.30	1.16	3.07	0.52	3.51	0.37	25.50	1.18	10.61	471.43	701.06		
SMDH 00650	84.0	67.63	0.08	28.89	54.61	115.41	13.97	47.38	8.29	1.43	6.13	0.79	5.48	1.00	3.00	0.40	3.20	0.37	19.27	0.85	8.25	367.55	715.62		1.64
SMDH 00650	94.0	61.03	0.16	43.28	44.01	97.01	11.70	41.60	8.22	1.35	7.15	1.02	6.71	1.58	4.57	0.76	5.06	0.58	16.43	0.79	6.60	277.72	883.60	1.30	
SMDH 00650	83.8	66.27	0.11	30.10	52.63	114.68	14.07	46.45	7.90	1.46	5.56	0.90	4.85	1.04	2.96	0.41	2.58	0.30	18.47	0.71	6.96	326.22	743.70		
SMDH 00650	83.8	66.27	0.11	30.10	52.63	114.68	14.07	46.45	7.90	1.46	5.56	0.90	4.85	1.04	2.96	0.41	2.58	0.30	18.47	0.71	6.96	326.22	743.70		
SMDH 00651	113.9	103.48	0.07	29.62	86.63	199.38	20.49	76.04	12.67	1.25	11.12	1.23	5.73	1.14	3.11	0.46	2.89	0.41	36.15	2.71	14.27	644.06	701.40		
SMDH 00651	132.9	111.75	0.13	41.10	92.10	215.34	21.58	81.81	13.23	1.66	11.58	1.38	6.98	1.37	4.27	0.58	3.72	0.52	34.00	2.08	11.56	501.96	724.11	2.04	

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00651	120.7	95.42	0.10	42.92	75.22	144.54	19.26	68.29	11.90	1.68	8.97	1.18	6.68	1.29	3.75	0.56	3.61	0.41	31.28	1.44	7.43	297.04	689.61		
SMDH 00651	92.4	71.59	0.07	34.21	52.63	113.34	14.47	50.61	8.76	1.05	7.04	0.98	5.54	1.10	3.37	0.54	3.30	0.38	24.25	1.15	7.08	302.31	588.55		1.60
SMDH 00651	114.3	92.10	0.03	40.14	68.81	148.07	19.34	64.83	13.13	1.36	8.40	1.24	6.70	1.37	3.90	0.54	4.23	0.49	31.39	1.69	9.91	454.54	692.04		
SMDH 00651	91.8	78.51	0.09	29.01	63.46	133.33	16.81	55.35	10.88	1.08	8.62	1.00	5.36	1.05	3.11	0.44	2.99	0.34	29.13	1.76	7.90	336.75	624.43	1.90	
SMDH 00651	103.1	89.26	0.07	30.71	69.74	151.24	18.26	63.90	11.60	1.41	8.97	1.20	5.89	1.17	2.83	0.46	2.68	0.31	32.53	1.66	7.19	292.31	601.38		
SMDH 00651	139.6	120.21	0.09	43.28	93.38	204.50	25.33	85.86	14.96	1.49	12.37	1.48	7.53	1.35	3.92	0.70	3.92	0.43	45.45	2.50	10.97	443.60	750.46		1.47
SMDH 00651	149.8	126.69	0.07	47.03	97.34	207.06	25.47	91.40	17.04	1.60	11.35	1.63	8.19	1.67	4.17	0.74	4.85	0.54	45.45	2.67	9.20	389.17	745.44		
SMDH 00651	89.1	77.38	0.08	25.75	59.27	127.72	15.62	56.39	9.99	1.57	6.92	0.87	4.49	0.88	2.39	0.37	2.38	0.27	26.29	1.59	13.80	587.46	823.45		
SMDH 00651	80.4	67.50	0.11	24.90	52.86	112.97	13.93	48.76	8.96	1.92	6.13	0.73	4.07	0.88	2.49	0.35	2.58	0.29	22.67	1.25	14.74	593.54	846.85	0.90	
SMDH 00651	113.2	89.59	0.05	40.26	67.42	148.56	18.08	63.79	12.12	1.43	8.85	1.16	6.56	1.40	3.94	0.65	3.61	0.40	31.96	1.95	14.74	626.64	960.05		1.66
SMDH 00651	123.9	98.98	0.09	43.04	72.66	158.80	19.68	70.84	14.82	1.53	10.21	1.39	7.07	1.35	3.59	0.63	3.82	0.42	36.38	2.08	7.08	319.60	757.57		
SMDH 00651	150.1	123.21	0.07	50.29	91.75	202.18	24.89	87.59	16.36	1.52	13.28	1.66	9.07	1.83	4.62	0.75	5.06	0.56	47.71	2.92	13.68	566.39	898.51		
SMDH 00643	90.6	86.24	0.11	21.64	73.82	172.32	17.97	62.86	9.35	0.69	8.62	0.93	4.47	0.75	2.04	0.30	1.96	0.27	31.96	2.34	15.45	681.88	575.72		1.56
SMDH 00643	117.1	114.83	0.09	22.61	93.03	224.85	21.55	86.90	12.24	1.21	9.87	1.18	5.19	0.70	2.49	0.39	2.27	0.33	40.23	2.23	10.85	463.86	753.06		
SMDH 00643	102.2	88.14	0.07	31.19	76.15	123.21	18.99	63.56	10.46	1.82	7.38	0.91	4.69	1.06	2.73	0.46	3.20	0.36	23.35	1.00	8.49	369.04	557.69		
SMDH 00643	74.6	69.54	0.05	18.13	55.77	111.15	14.19	51.65	8.11	1.09	6.24	0.63	3.06	0.55	1.77	0.23	1.86	0.21	20.40	1.01	7.43	298.93	410.34	1.60	1.61
SMDH 00643	94.6	95.26	0.07	17.65	78.94	161.11	19.59	71.07	9.88	1.24	8.17	0.77	3.84	0.61	1.47	0.21	1.55	0.21	26.86	1.24	5.54	262.87	460.61		
SMDH 00643	97.9	98.91	0.02	17.53	84.65	167.57	19.83	74.76	10.92	1.27	7.83	0.71	3.61	0.68	1.60	0.23	1.55	0.21	27.65	1.00	7.08	320.14	497.54		
SMDH 00643	109.6	108.91	0.10	20.07	90.35	171.59	20.66	83.55	10.08	1.25	7.94	0.84	3.86	0.67	2.12	0.32	1.55	0.21	28.33	1.15	8.14	391.87	549.72		
SMDH 00635	95.6	82.68	0.16	27.81	65.44	151.00	16.19	60.78	9.91	1.32	8.74	0.95	4.75	0.85	3.08	0.49	2.38	0.35	27.54	2.06	10.38	449.68	944.97		
SMDH 00635	90.8	79.26	0.08	24.66	63.81	133.69	14.37	58.93	9.27	1.24	8.28	0.98	4.98	0.69	2.59	0.39	2.27	0.33	23.91	1.78	11.20	464.41	947.74		
SMDH 00635	120.6	105.60	0.12	34.21	85.46	166.72	20.94	78.58	11.64	1.70	8.85	0.88	5.20	1.07	3.24	0.55	3.20	0.42	33.55	2.03	10.14	483.32	815.47		1.55
SMDH 00635	104.7	91.92	0.13	29.86	72.77	152.46	18.01	68.18	11.01	0.94	7.60	0.90	4.84	0.94	3.01	0.46	2.79	0.37	31.05	2.41	7.67	356.34	625.99	2.20	
SMDH 00635	143.7	100.31	0.12	60.57	78.71	164.16	18.76	71.30	11.36	1.56	10.33	1.39	8.87	1.92	5.78	0.94	5.06	0.67	31.51	3.21	9.20	424.42	693.95		
SMDH 00635	158.2	119.94	0.09	59.48	91.17	191.70	22.50	87.24	12.65	1.27	11.24	1.58	8.61	2.07	5.64	0.79	5.06	0.67	38.42	3.25	8.37	414.02	634.31		
SMDH 00635	150.3	120.67	0.10	51.98	94.43	199.62	23.56	86.90	14.38	1.25	10.21	1.40	8.81	1.75	5.21	0.73	4.34	0.57	38.87	3.68	9.67	440.09	613.16		1.60
SMDH 00642	101.7	84.73	0.07	31.80	69.28	142.59	16.15	62.17	10.08	1.33	8.28	1.10	5.30	0.91	3.30	0.49	2.99	0.44	24.93	2.04	12.85	565.72	687.53	0.29	1.45
SMDH 00642	116.0	106.34	0.07	28.77	84.18	178.17	20.11	79.50	12.01	0.96	10.21	1.20	5.53	0.87	3.18	0.41	2.68	0.39	34.11	2.10	10.14	441.98	601.38		
SMDH 00642	132.2	117.93	0.05	35.42	91.75	193.53	22.27	88.75	12.21	1.14	10.67	1.12	5.78	1.24	3.60	0.51	3.30	0.48	34.11	1.88	9.55	477.78	630.85		
SMDH 00642	115.9	93.66	0.09	38.57	70.68	150.27	17.35	68.99	9.51	1.05	8.74	1.06	6.27	1.38	3.86	0.58	3.51	0.52	26.41	1.50	7.78	400.24	614.55	1.60	
SMDH 00642	145.1	104.70	0.09	57.67	75.57	157.09	18.43	76.27	10.89	1.16	9.42	1.24	8.77	1.97	5.72	0.87	4.34	0.64	28.79	2.00	7.08	359.18	558.04		
SMDH 00642	130.8	110.58	0.09	39.65	82.67	179.27	20.54	82.39	10.75	1.12	10.55	1.09	6.56	1.26	3.66	0.47	2.58	0.38	33.32	1.94	8.73	467.92	596.70		1.56
SMDH 00642	123.4	105.53	0.08	35.18	78.24	165.50	18.66	79.85	9.75	1.32	9.76	1.10	5.91	1.27	3.26	0.46	2.79	0.41	30.60	1.95	6.84	366.47	557.52		
SMDH 00633	121.4	92.71	0.10	43.64	74.75	148.68	16.83	66.91	10.04	1.83	9.53	1.29	7.69	1.24	4.40	0.67	3.82	0.55	25.39	2.33	10.97	473.19	1136.70		
SMDH 00633	98.4	82.85	0.05	29.50	67.07	136.13	15.22	61.36	8.98	1.31	8.28	1.11	5.16	0.89	2.82	0.47	2.79	0.41	24.71	2.08	12.03	510.87	732.43		
SMDH 00633	138.8	129.45	0.08	33.25	105.26	216.81	25.14	97.18	11.28	1.28	11.01	1.11	6.01	1.31	3.37	0.51	2.68	0.39	34.11	2.21	12.62	664.86	609.70		
SMDH 00633	148.7	130.64	0.14	40.98	109.33	215.83	24.58	97.41	12.50	1.65	11.69	1.33	7.32	1.33	4.07	0.53	3.30	0.48	32.87	2.83	16.39	850.46	966.47	2.90	
SMDH 00633	140.9	125.88	0.09	36.87	99.55	203.03	23.26	96.03	11.69	1.37	10.33	1.07	5.53	1.29	3.86	0.62	3.10	0.45	32.53	2.49	14.51	739.56	770.75		1.55
SMDH 00633	84.5	79.48	0.04	20.79	62.88	138.93	16.71	57.89	9.72	0.90	6.81	0.77	4.11	0.79	2.05	0.30	2.17	0.25	28.33	1.77	8.49	366.47	650.96		
SMDH 00633	105.4	102.44	0.03	24.30	81.85	178.66	22.32	73.96	13.99	0.94	9.76	1.11	5.05	0.99	2.45	0.36	2.27	0.26	37.40	2.37	11.09	472.78	595.48		
SMDH 00633																									
SMDH 00633	82.3	83.03	0.00	15.72	70.56	137.96	17.84	61.36	9.40	1.44	6.24	0.65	3.17	0.54	1.46	0.18	1.24	0.14	28.45	1.00	6.25	277.32	326.60	1.70	1.67
SMDH 00633	64.2	65.68	0.08	11.61	56.01	115.41	14.35	48.42	8.05	1.22	4.99	0.54	2.37	0.43	1.06	0.15	0.83	0.09	23.01	0.89	7.90	328.78	580.05		
SMDH 00633	87.5	86.08	0.05	18.62	72.31	147.71	18.14	63.21	10.20	0.97	7.04	0.73	3.99	0.62	1.79	0.32	1.96	0.22	29.58	1.35	8.96	405.24	761.56		
SMDH 00633	80.6	69.34	0.14	24.66	59.73	118.82	14.40	49.92	9.43	0.96	6.58	0.80	4.22	0.82	2.41	0.40	2.27	0.29	21.08	1.78	9.08	356.07	714.75		
SMDH 00633	103.3	90.86	0.18	30.59	77.78	176.35	19.36	64.94	11.23	1.20	7.94	1.01	5.55	1.14	3.05	0.60	2.99	0.39	26.18	2.58	10.50	422.94	668.29		1.63
SMDH 00633	149.9	134.55	0.13	42.43	113.52	247.15	28.59	96.60	17.27	1.51	12.60	1.56	7.80	1.47	3.74	0.58	2.79	0.36	44.43	4.92	10.02	391.33	663.78	1.07	
SMDH 00633	87.7	71.49	0.15	29.86	61.01	121.75	15.02	50.84	9.24	1.38	6.47	0.88	4.74	1.05	2.74	0.46	2.99	0.39	22.67	2.71	10.26	417.26	652.17		
SMDH 00636	102.8	92.99	0.08	26.48	72.07	160.99	17.82	69.22	9.95	1.11	8.97	1.12	4.83	0.85	2.85	0.45	2.68	0.39	30.49	2.34	13.21	551.94	702.27		1.60
SMDH 00636	119.7	104.58	0.13	35.54	86.05	177.20	21.61	75.11	13.93	1.16	9.76	1.23	6.62	1.30	3.12	0.52	3.10	0.34	33.89	2.25	15.21	637.17	757.74	0.89	
SMDH 00636	107.7	93.35	0.13	32.76	78.13	179.15	19.73	66.68	12.06	1.28	9.65	1.10	5.84	1.26	3.68	0.56	3.72	0.47	31.73	2.52	12.85	547.48	701.23		
SMDH 00636	138.1	124.84	0.14	38.08	110.15	213.03	26.38	90.71	16.41	1.60	12.14	1.46	6.29	1.21	3.30	0.55	3.20	0.41	41.48	2.71	9.55	391.87	659.80		1.51
SMDH 00636	49.8	40.75	0.21	16.68	35.40	69.83	8.70	28.89	5.32	1.08	3.75	0.46	2.71	0.61	1.77	0.31	1.96	0.25	12.47	1.23	8.02	321.36	584.21		
SMDH 00636	40.1	37.99	0.15	7.86	35.86	70.93	7.65	28.31	3.92	1.87	2.84	0.34	1.69	0.27	0.82	0.15	0.62	0.09	11.56	0.78	8.73	396.59	506.03	1.06	
SMDH 00636	40.8	27.23	0.16	18.38	25.85	53.26	5.83	18.60	3.12	1.03	2.72	0.41	2.39	0.60	1.91	0.32	2.27	0.32	8.27	1.10	18.04	759.83	1392.06		
SMDH 00636	102.3	86.45	0.19	32.76	78.59	164.65	18.18	62.63	11.22	1.28	6.81	0.91	4.74	1.03	3.89	0.60	3.61	0.50	29.58	1.61	13.09	585.30	1011.02		1.65
SMDH 00636	130.7	105.25	0.18	46.30	96.99	205.84	22.30	75.46	12.72	1.47	9.65	1.07	6.43	1.50	4.94	0.75	5.27	0.73	36.27	2.07	11.56	490.88	743.18		
SMDH 00636	72.7	61.99	0.10	22.37	56.59	118.94	12.96	44.72	6.97	1.33	4.77	0.69	3.62	0.72	2.43	0.38	2.27	0.32	21.19	1.26	10.73	446.84	745.26		
SMDH 00636	61.8	38.09	0.14	30.34	36.44	67.52	7.98	26.12	4.93	1.35	3.52	0.54	3.46	1.00	2.99	0.57	3.51	0.48	11.11	1.03	13.56	598.13	844.08	0.70	
SMDH 00627	126.3	103.28	0.16	42.43	83.14	179.39	21.20	72.80	12.58	1.83	9.76	1.39	7.89	1.46	3.97	0.66	4.13	0.46	29.92	2.75	18.04	790.22	1135.32		
SMDH 00627	109.6	88.86	0.11	36.87	69.40	153.31	17.73	63.56	10.59	1.62	7.49	1.15	6.43	1.37	3.51	0.59	3.72	0.41	26.29	2.52	14.15	585.57	986.06		
SMDH 00627	89.6	71.32	0.23	31.55	65.44	136.49	14.84	50.84	8.65	1.56	7.38	0.94	4.69	0.94	3.07	0.51	2.99	0.41	21.53	2.44	15.45	690.39	812.52		1.46
SMDH 00627	74.3	58.89	0.23	25.99	52.75	118.70	11.87	41.48	8.50	1.30	5.67	0.92	4.62	0.99	2.84	0.44	2.58	0.36	17.57	1.86	10.85	491.29	862.97		
SMDH 00627	83.5	62.28	0.20	31.92	52.75	109.07	12.22	44.03	7.38	1.54	5.90	0.92	5.12	0.99	3.36	0.54	3.20	0.44	15.64	1.99	14.15	620.15	924.34		
SMDH 00627	119.1	106.30	0.19	33.49	97.69	210.59	22.03	77.31	14.29	1.38	10.55	1.18	5.78	1.12	3.57	0.56	2.99	0.41	34.11	2.67	21.82	958.12	809.40		
SMDH 00627	55.7	50.84	0.20	14.27	46.34	107.25	10.69	37.09	6.59	1.33	4.20	0.54	2.52	0.51	1.49	0.24	1.34	0.19	19.49	1.25	16.98	736.19	916.71	1.78	1.38
SMDH 00627	102.2	94.52	0.19	26.35	84.18	179.88	19.99	68.76	13.04	1.26	8.62	1.04	4.74	0.87	2.57	0.47	2.79	0.39	34.57	2.15	8.84	398.76	679.21		
SMDH 00627	91.9	79.97	0.14	27.08	72.54	151.73	16.53	58.12	11.36	1.38	7.83	0.92	4.39	0.99	2.61	0.44	2.58	0.35	28.79	1.71	11.79	524.38	724.63		
SMDH 00627	100.1	86.12	0.14	30.83	76.15	162.82	18.03	61.36	12.47	1.23	9.31	1.10	5.63	1.03	3.21	0.47	3.10	0.43	30.60	2.44	12.03	517.49	732.26		
SMDH 00627	93.3	83.00	0.16	25.75	70.79	152.82	16.73	60.32	11.67	1.27	7.83	1.09	4.86	0.99	2.68	0.42	2.07	0.29	26.52	2.16	11.09	477.91	707.64		1.63
SMDH 00627	93.3	83.00	0.16	25.75	70.79	152.82	16.73	60.32	11.67	1.27	7.83	1.09	4.86	0.99	2.68	0.42	2.07	0.29	26.52	2.16	11.09	477.91	707.64		1.63
SMDH 00626	104.7	92.47	0.06	29.98	73.01	166.60	18.91	67.48	11.67	1.20	8.06	1.07	5.00	1.11	2.80	0.45	2.89	0.32	29.35	2.25	16.39	667.30	666.38		1.54
SMDH 00626	102.2	80.69	0.16	35.54	63.69	129.79	15.65	58.24	11.13	1.65	7.49	1.11	5.69	1.08	2.92	0.48	3.30	0.36	22.89	1.91	13.21	544.24	794.32		
SMDH 00626	116.0	94.29	0.16	39.17	81.85	177.08	19.20	67.02	12.61	1.79	9.31	1.34	6.72	1.37	4.01	0.59	3.72	0.51	30.83	2.68	16.04	691.74	853.78	2.62	
SMDH 00626	77.7	68.84	0.11	22.00	63.11	132.84	14.54	50.04	9.01	1.38	6.70	0.78	3.48	0.70	2.47	0.33	2.07	0.28	24.59	1.58	6.72	301.36	605.19		
SMDH 00626	57.6	44.34	0.18	21.04	37.73	86.65	8.93	31.43	6.61	1.17	4.54	0.62	3.36	0.70	2.03	0.32	1.86	0.26	15.75	1.52	6.01	286.10	609.70		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00618	113.8	91.15	0.14	39.65	74.29	155.87	18.91	64.02	12.89	1.87	8.62	1.16	7.06	1.35	3.60	0.57	4.03	0.44	25.05	2.26	15.09	623.26	1080.36	2.62	
SMDH 00618	123.0	108.16	0.05	35.42	86.40	182.44	22.34	77.54	13.81	1.74	9.42	1.34	6.95	1.34	3.35	0.57	3.61	0.40	29.58	2.87	20.05	816.02	910.65		
SMDH 00618	115.5	103.77	0.09	32.64	95.71	204.25	22.03	74.53	13.58	1.11	11.01	1.29	5.91	1.08	2.98	0.45	2.68	0.37	35.02	2.98	12.26	546.67	638.47		1.53
SMDH 00618	152.3	143.84	0.20	38.20	128.08	280.67	31.25	103.31	18.57	1.54	13.05	1.82	7.46	1.30	4.22	0.59	3.30	0.49	50.66	4.20	18.51	816.42	931.62		
SMDH 00618	163.6	154.75	0.10	40.98	139.26	298.09	33.66	111.40	19.79	1.49	13.28	1.79	7.90	1.29	4.39	0.69	3.30	0.48	53.27	4.12	21.23	971.09	887.42	2.29	
SMDH 00618	98.7	87.65	0.12	28.05	75.80	162.57	18.18	63.56	11.16	1.16	8.06	1.16	4.76	0.89	2.95	0.41	2.07	0.31	30.03	2.17	9.79	455.62	762.42		
SMDH 00618	86.0	71.22	0.16	28.53	61.94	137.96	15.30	50.84	9.52	1.54	6.47	0.95	4.13	1.00	3.84	0.58	3.41	0.50	27.65	1.59	6.01	281.64	616.46		1.64
SMDH 00618	58.0	51.14	0.16	17.17	44.83	102.61	11.14	36.52	6.77	0.87	4.77	0.59	2.90	0.59	1.90	0.32	1.76	0.25	21.53	1.16	6.96	319.46	700.36		
SMDH 00618	103.0	90.95	0.17	29.01	80.34	172.20	18.64	66.68	11.92	1.66	8.74	1.03	4.61	1.02	3.76	0.55	3.41	0.49	35.70	1.66	8.49	367.15	672.11		
SMDH 00618	65.2	60.51	0.12	16.32	54.14	117.73	13.13	43.68	8.30	1.49	4.99	0.69	3.01	0.60	1.92	0.29	1.76	0.25	21.42	1.05	7.78	351.34	601.03	1.15	
SMDH 00618	81.8	73.32	0.16	22.73	65.44	141.61	15.69	53.16	10.77	1.40	6.58	0.84	3.64	0.87	2.85	0.40	2.58	0.38	28.45	1.45	9.43	387.81	680.08		1.59
SMDH 00618	134.5	131.47	0.20	26.84	112.24	232.53	25.36	99.38	15.34	1.54	10.67	1.15	5.58	0.87	2.81	0.44	2.17	0.22	45.90	1.55	11.56	507.50	728.97		
SMDH 00618	146.0	147.89	0.14	25.99	128.43	270.79	29.82	111.16	17.29	1.89	11.01	1.23	5.68	0.94	2.26	0.33	2.07	0.21	51.34	1.33	9.55	412.80	775.25		
SMDH 00618	146.0	147.89	0.14	25.99	128.43	270.79	29.82	111.16	17.29	1.89	11.01	1.23	5.68	0.94	2.26	0.33	2.07	0.21	51.34	1.33	9.55	412.80	775.25		
SMDH 00619	90.7	69.19	0.09	34.45	58.33	122.60	14.67	48.07	8.77	1.73	7.15	0.99	5.46	1.16	3.44	0.52	3.10	0.42	19.15	1.83	13.92	573.14	801.95		1.51
SMDH 00619	81.6	63.59	0.09	29.50	53.56	109.20	12.77	44.95	8.45	1.28	6.13	0.91	4.96	1.03	3.03	0.46	2.99	0.41	18.25	1.81	14.15	642.44	770.92		
SMDH 00619	70.9	66.96	0.16	16.44	57.52	126.50	13.20	49.80	7.67	0.68	5.33	0.70	3.25	0.57	1.70	0.24	1.86	0.18	20.51	1.58	9.32	399.30	526.83		
SMDH 00619	74.1	61.72	0.13	22.97	51.70	106.15	11.53	45.88	6.76	0.94	5.67	0.59	3.73	0.83	2.30	0.36	2.58	0.25	18.36	1.56	6.60	295.28	513.14	1.97	1.38
SMDH 00619	83.8	74.04	0.08	22.73	62.41	123.21	13.83	55.12	7.98	0.87	6.01	0.76	4.33	0.81	2.07	0.35	2.48	0.25	21.08	2.58	4.95	222.88	355.56		
SMDH 00619	79.9	63.84	0.12	26.96	54.96	114.31	12.07	46.57	8.29	1.14	6.01	0.84	4.36	0.91	2.83	0.40	2.68	0.27	19.27	2.34	6.96	302.71	524.06		
SMDH 00619	69.7	52.06	0.13	26.60	44.59	88.84	10.06	37.44	6.39	1.15	5.33	0.68	3.88	0.76	2.81	0.45	2.79	0.28	15.41	1.52	4.13	177.50	455.41		
SMDH 00619	67.0	55.26	0.11	20.55	46.81	92.50	10.23	40.91	5.93	1.37	4.54	0.67	3.46	0.75	2.20	0.40	2.17	0.22	16.77	1.19	5.31	236.25	558.38		1.62
SMDH 00619	93.9	85.50	0.13	24.18	74.64	145.15	17.34	62.98	10.08	1.60	6.47	0.78	4.41	0.85	2.65	0.45	2.48	0.31	23.91	1.59	12.85	555.04	780.45	0.80	
SMDH 00619	92.2	75.20	0.10	31.55	68.46	131.86	15.99	53.50	9.08	1.41	5.67	0.79	4.92	1.14	3.88	0.72	4.23	0.51	23.35	1.59	10.97	445.09	738.15		
SMDH 00619	35.6	28.74	0.00	11.24	26.66	50.58	6.24	20.57	3.59	1.84	2.27	0.25	1.68	0.36	1.20	0.23	1.14	0.14	7.82	0.72	6.01	272.19	518.51		
SMDH 00619	35.6	28.74	0.00	11.24	26.66	50.58	6.24	20.57	3.59	1.84	2.27	0.25	1.68	0.36	1.20	0.23	1.14	0.14	7.82	0.72	6.01	272.19	518.51		
SMDH 00611	104.6	77.87	0.18	40.62	58.22	131.86	15.41	54.43	11.27	1.56	8.28	1.31	6.72	1.45	4.11	0.58	3.72	0.51	25.73	1.26	11.20	440.36	1187.84		
SMDH 00611	51.2	26.10	0.23	27.93	14.21	25.59	4.18	16.41	4.42	1.34	4.65	0.76	4.75	0.99	2.68	0.35	2.17	0.29	2.95	0.40	3.77	133.46	1217.14	1.36	
SMDH 00611	50.3	33.51	0.20	21.64	24.22	47.89	6.16	23.00	5.21	1.27	4.31	0.67	3.70	0.80	1.79	0.29	1.86	0.22	6.91	0.45	4.01	168.31	917.06		1.57
SMDH 00611	54.8	41.38	0.16	20.19	31.55	63.98	8.28	28.77	5.15	1.51	4.88	0.71	3.62	0.70	1.90	0.31	1.55	0.19	9.52	0.53	6.60	282.45	891.58		
SMDH 00611	98.3	99.82	0.00	18.62	93.38	186.46	22.06	73.26	11.19	1.95	7.38	0.87	3.63	0.66	1.93	0.24	1.55	0.19	34.57	0.99	8.61	354.18	675.75	1.80	
SMDH 00611	130.0	104.02	0.16	45.82	87.68	175.61	21.44	74.19	12.01	1.64	9.65	1.29	7.10	1.61	4.85	0.74	4.65	0.57	33.21	1.22	12.26	492.64	823.10		
SMDH 00611	141.5	112.05	0.13	49.93	87.21	178.30	21.64	79.85	14.87	1.17	11.35	1.70	8.87	1.77	4.21	0.79	4.03	0.50	32.64	1.30	12.50	506.96	914.29		1.64
SMDH 00605	111.4	92.45	0.10	36.15	78.71	164.40	18.88	65.98	12.18	1.69	9.42	1.14	6.46	1.35	3.46	0.53	3.51	0.48	26.18	1.58	11.79	458.19	689.44		1.47
SMDH 00605	96.6	75.61	0.10	35.42	68.35	126.74	15.88	53.16	9.78	1.49	6.92	1.00	5.58	1.24	3.46	0.49	3.20	0.43	23.01	1.29	9.32	369.98	717.70		
SMDH 00605	137.4	122.34	0.16	38.69	106.65	194.87	25.82	88.05	15.90	2.19	10.78	1.38	7.09	1.38	3.75	0.57	3.10	0.38	35.70	1.20	7.43	309.47	699.15		
SMDH 00605	88.0	75.06	0.08	26.60	59.38	124.79	15.22	54.20	9.04	1.55	7.15	0.96	4.68	0.89	2.47	0.37	2.27	0.25	23.35	0.92	7.43	297.45	605.19		
SMDH 00605	87.0	70.40	0.12	29.74	59.15	122.24	14.49	49.57	9.97	1.31	6.36	1.09	5.25	1.05	2.93	0.50	3.20	0.35	22.78	1.02	9.20	381.87	691.52	0.50	
SMDH 00605	82.6	69.58	0.17	26.11	57.64	118.94	14.53	49.80	8.81	1.46	6.58	0.86	4.38	0.92	2.55	0.40	2.07	0.23	22.55	0.96	7.78	312.44	577.28		1.66
SMDH 00605	82.6	69.58	0.17	26.11	57.64	118.94	14.53	49.80	8.81	1.46	6.58	0.86	4.38	0.92	2.55	0.40	2.07	0.23	22.55	0.96	7.78	312.44	577.28		1.66
SMDH 00604	94.8	87.13	0.08	25.03	70.68	175.74	18.23	62.86	11.27	0.92	7.83	0.92	5.13	0.95	2.73	0.35	2.27	0.31	32.53	2.11	17.69	710.25	719.95		
SMDH 00604	91.9	84.37	0.12	24.42	68.58	163.18	17.68	60.78	11.74	0.82	7.83	0.96	4.94	0.96	2.55	0.39	2.38	0.32	31.73	1.96	17.57	715.79	736.94		
SMDH 00604	116.7	92.18	0.13	41.83	87.33	133.81	19.96	64.36	11.29	2.64	8.97	1.16	6.69	1.34	3.82	0.56	3.92	0.43	21.65	1.24	9.43	371.74	836.62		
SMDH 00604	26.1	20.54	0.08	9.07	19.79	36.56	4.47	14.21	2.72	1.01	1.93	0.31	1.54	0.28	0.92	0.15	1.03	0.12	6.23	0.80	10.26	439.82	782.19		
SMDH 00604	28.7	26.29	0.09	7.62	26.31	50.21	6.04	18.60	3.28	0.87	2.27	0.33	1.32	0.26	0.51	0.10	0.72	0.08	8.95	0.80	10.26	467.24	907.35		
SMDH 00604	66.4	27.71	0.12	42.68	22.12	41.44	5.22	16.76	3.12	1.20	3.06	0.67	5.07	1.44	4.56	1.00	5.68	0.63	7.25	1.18	18.40	813.45	1317.86	3.10	1.36
SMDH 00604	29.1	15.82	0.06	14.99	13.51	27.54	3.05	10.28	2.41	1.37	1.82	0.33	2.15	0.57	1.78	0.31	2.17	0.24	4.31	1.00	19.10	836.01	1415.98		
SMDH 00604	28.9	23.11	0.09	7.98	22.01	35.22	4.66	16.18	2.54	2.42	2.27	0.33	1.94	0.30	0.90	0.15	0.72	0.10	3.51	1.00	19.10	870.86	814.09		
SMDH 00604	58.3	57.56	0.11	11.24	49.49	99.57	11.32	43.33	5.98	0.77	4.43	0.55	2.35	0.43	1.22	0.16	0.83	0.11	17.11	1.07	7.78	349.99	911.86		
SMDH 00604	34.3	35.57	0.00	5.68	32.72	65.69	7.75	26.00	4.10	0.83	2.50	0.33	1.49	0.16	0.65	0.10	0.62	0.08	10.77	0.92	10.38	447.52	704.70		1.62
SMDH 00604	39.5	40.84	0.07	6.04	34.58	69.59	8.34	30.39	4.90	0.93	3.75	0.41	1.70	0.22	0.50	0.06	0.52	0.07	11.33	1.01	11.32	501.96	826.74	1.30	
SMDH 00604	74.6	64.33	0.20	22.24	56.24	106.03	13.12	46.34	7.15	1.16	5.90	0.60	4.27	0.73	2.52	0.40	2.17	0.28	17.23	1.06	8.49	366.07	988.31		
SMDH 00603	118.1	110.73	0.10	29.98	90.00	202.43	24.00	79.62	14.87	1.43	10.55	1.20	5.91	1.16	2.97	0.42	2.99	0.38	38.42	2.30	19.34	788.46	610.56	0.88	1.56
SMDH 00603	112.2	110.10	0.09	23.82	92.92	182.32	23.36	81.00	13.61	1.62	9.53	1.11	4.63	0.89	2.34	0.29	1.96	0.25	36.72	1.60	12.50	503.85	714.40		
SMDH 00603	116.3	123.89	0.09	16.80	113.52	219.97	26.19	93.14	15.20	1.82	9.42	1.01	3.55	0.59	1.40	0.18	1.03	0.14	43.41	1.36	9.79	432.12	730.35		
SMDH 00603	104.0	110.07	0.09	15.72	92.10	191.94	23.21	82.39	14.07	1.44	8.74	0.92	3.55	0.62	1.70	0.25	1.14	0.14	38.65	1.26	8.02	355.26	691.70		1.59
SMDH 00603	104.2	113.60	0.09	13.06	93.61	198.77	23.89	85.16	15.12	1.43	9.76	0.95	3.60	0.55	1.12	0.13	0.83	0.10	47.94	1.33	10.61	470.48	752.02		
SMDH 00603	26.9	23.23	0.06	6.89	20.96	39.00	4.82	16.99	2.39	1.57	2.38	0.21	1.22	0.18	0.67	0.10	0.72	0.09	6.35	0.34	5.54	256.65	445.70	1.40	
SMDH 00603	66.8	69.79	0.07	10.64	60.08	117.48	14.81	51.77	8.69	1.20	5.45	0.61	2.61	0.41	0.79	0.11	0.62	0.08	24.03	0.83	8.49	364.45	650.09		
SMDH 00603	89.0	95.11	0.13	12.33	79.29	158.67	19.87	71.30	10.92	1.41	7.26	0.79	3.15	0.44	1.06	0.11	0.72	0.08	32.98	1.00	8.25	364.72	669.68		1.67
SMDH 00603	74.9	80.61	0.12	9.91	67.18	134.67	16.89	60.90	10.53	1.25	6.58	0.67	2.15	0.38	0.77	0.08	0.52	0.07	29.69	1.19	9.67	442.52	675.57		
SMDH 00603	24.6	24.10	0.06	4.35	23.40	42.41	5.35	17.45	2.72	1.53	1.82	0.20	1.11	0.19	0.31	0.05	0.41	0.05	8.05	0.52	7.08	333.11	782.71		
SMDH 00602	123.0	99.31	0.15	42.43	82.09	167.21	20.72	69.68	12.44	1.98	9.76	1.33	7.58	1.52	4.14	0.66	4.13	0.53	31.39	2.50	16.16	662.43	1100.12		
SMDH 00602	74.6	58.08	0.12	26.72	46.69	95.67	11.47	41.14	7.00	1.24	4.99	0.79	4.68	1.08	3.01	0.38	2.89	0.37	18.13	1.57	13.56	554.64	693.60		1.44
SMDH 00602	104.5	88.03	0.11	33.49	76.27	152.70	18.26	62.75	11.55	1.26	8.40	1.12	5.89	1.17	3.33	0.50	3.20	0.38	29.81	2.18	15.09	662.97	743.88	2.60	
SMDH 00602	64.2	57.47	0.09	17.41	49.25	102.49	11.46	41.95	6.30	0.82	5.11	0.69	3.37	0.58	1.66	0.20	1.55	0.18	22.10	1.07	4.72	223.83	364.22		1.66
SMDH 00602	78.0	67.52	0.10	23.70	58.68	119.19	14.36	48.07	8.52	1.18	5.79	0.77	4.32	0.84	2.22	0.34	2.27	0.27	21.99	1.49	8.25	357.69	501.35		
SMDH 00602	142.2	139.29	0.06	30.34	113.99	232.53	28.61	102.84	16.87	1.16	11.69	1.40	6.44	1.00	2.77	0.38	2.48	0.29	48.39	3.08	20.40	895.18	697.07		
SMDH 00602	29.6	26.69	0.17	7.01	23.29	41.07	5.46	19.64	2.92	1.35	2.38	0.25	1.33	0.26	0.55	0.10	0.62	0.07	6.46	0.55	5.19	241.66	531.17		
SMDH 00602	24.6	20.87	0.05	7.37	18.51	36.32	4.79	14.44	2.82	1.20	1.82	0.25	1.38	0.23	0.55	0.11	0.72	0.08	6.01	0.41	4.84	221.94	420.91	1.70	1.72
SMDH 00602	43.8	30.52	0.17	18.01	25.03	47.89	6.01	21.26	3.50	1.31	2.50	0.42	2.82	0.57	1.99	0.36	1.96	0.22	8.73	0.45	10.85	511.82	438.77		
SMDH 00602	90.8	98.12	0.00	12.45	84.65	169.28	21.26	73.26	11.62	1.49	7.15	0.70	2.90	0.47	1.07	0.18	1.03	0.11	35.02	0.62	6.60	275.70	598.26		
SMDH 00602	81.9	88.89	0.00	10.64	74.98	146.49	19.03	66.56	10.26	1.38	6.01	0.59	2.71	0.38	0.76	0.11	0.62	0.06	30.37	0.66	8.49	356.61	722.21		
SMDH 00602	67.3	72.14	0.05	9.31	63.57	128.21	15.77	53.50	7.54	1.57	4.88	0.60	2.27	0.37	0.76	0.11	0.52	0.06	25.61	0.57	8.96	403.89	617.32		1.67
SMDH 00602	82.9	89.48	0.13	10.64	79.06	152.46	19.17	67.02	10.49	1.90	6.01	0.64	2.65	0.41	0.83	0.13	0.72	0.07	30.60	0.66	7.78	372.01	620.45	1.60	
SMDH 00602	108.2	116.98	0.13	15.23	101.18	205.11	25.70	86.78	14.20	1.68	7.72	0.77	3.73	0.58	1.47	0.22	0.93	0.11	42.73	0.83	9.79	418.88	775.77		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00602	135.7	150.93	0.05	14.75	128.78	290.29	31.98	113.71	15.64	1.98	8.97	1.01	4.23	0.58	1.33	0.19	0.93	0.13	54.06	0.93	11.20	473.86	605.19		
SMDH 00602	135.7	150.93	0.05	14.75	128.78	290.29	31.98	113.71	15.64	1.98	8.97	1.01	4.23	0.58	1.33	0.19	0.93	0.13	54.06	0.93	11.20	473.86	605.19		
SMDH 00716	231.8	207.02	0.14	67.58	173.14	359.27	44.39	148.26	26.34	1.60	18.27	2.25	12.12	2.39	6.56	0.92	6.40	0.84	76.16	5.65	57.08	2374.71	832.81		
SMDH 00716	128.6	94.44	0.16	51.98	75.57	160.99	19.25	65.52	12.42	1.47	9.31	1.35	8.31	1.94	5.50	0.77	5.47	0.70	32.30	2.74	21.34	858.03	883.77	0.83	
SMDH 00716	101.5	86.06	0.10	31.19	71.03	153.56	17.03	62.52	10.38	1.26	7.83	0.99	5.53	0.98	3.34	0.48	2.58	0.36	26.86	2.07	11.20	495.07	622.70		1.55
SMDH 00716	71.3	66.84	0.06	17.05	57.75	120.41	13.70	48.65	7.37	1.11	4.99	0.76	3.74	0.56	1.82	0.24	1.65	0.22	21.19	1.37	5.66	262.06	450.73		
SMDH 00716	37.7	31.36	0.14	11.36	28.64	57.16	6.59	22.42	3.71	1.54	2.72	0.41	1.94	0.46	1.09	0.19	0.93	0.13	8.05	0.84	5.90	273.13	408.78	0.20	
SMDH 00716	87.4	74.24	0.18	26.96	62.06	130.64	15.11	53.16	9.07	1.27	7.26	1.00	4.98	0.87	2.60	0.38	1.96	0.27	23.80	1.12	5.90	258.00	547.98		
SMDH 00716	83.1	65.90	0.16	29.14	55.89	118.58	12.87	46.80	8.62	0.92	6.24	0.95	5.28	1.00	2.97	0.49	2.38	0.33	21.87	1.25	6.37	276.37	393.17		1.66
SMDH 00716	85.2	66.29	0.07	31.31	55.42	117.60	13.28	45.88	8.04	0.89	6.58	1.09	6.05	1.12	3.10	0.41	2.38	0.33	21.87	1.33	8.73	365.53	454.02		
SMDH 00716	136.3	116.55	0.19	41.35	97.22	206.20	22.83	84.59	13.83	1.21	10.89	1.49	7.65	1.40	3.78	0.68	3.72	0.51	40.46	2.66	11.32	502.36	1036.68		
SMDH 00716	104.8	93.57	0.05	28.05	73.70	157.21	18.36	67.95	13.27	1.57	9.87	1.09	6.17	0.85	3.12	0.46	2.27	0.34	34.23	1.99	4.60	195.87	648.18	0.90	
SMDH 00716	112.3	90.62	0.16	38.32	72.77	156.60	18.22	64.25	11.43	1.60	10.44	1.14	7.02	1.17	5.19	0.72	4.75	0.70	33.89	2.03	5.31	205.86	609.70		1.66
SMDH 00716	134.2	126.32	0.15	30.59	101.07	209.86	24.50	94.41	15.57	1.81	11.24	1.16	6.25	0.91	3.60	0.42	2.58	0.38	45.45	1.80	5.54	222.48	528.05		
SMDH 00716	196.2	153.49	0.24	70.60	118.18	252.51	29.67	109.66	19.90	1.78	15.32	1.95	12.21	2.14	9.91	1.39	9.40	1.38	53.49	3.24	12.38	516.82	1224.94		
SMDH 00716	165.8	138.67	0.28	52.11	107.94	231.19	26.54	101.23	19.83	1.52	15.43	1.69	9.22	1.69	6.89	0.99	6.71	0.99	52.13	2.86	6.96	271.51	612.47		
SMDH 00717	85.0	67.13	0.16	29.86	52.63	108.22	13.22	47.03	8.95	1.22	7.04	1.07	5.81	1.22	2.80	0.47	2.89	0.37	20.17	1.55	9.20	384.30	1092.15		
SMDH 00717	34.9	21.56	0.13	16.44	14.67	29.98	3.52	14.91	2.32	0.46	2.72	0.42	2.71	0.55	1.60	0.23	1.34	0.17	4.31	0.60	3.18	126.84	533.59		1.37
SMDH 00717	47.1	25.98	0.27	24.42	14.32	30.47	3.89	16.99	4.07	0.56	4.43	0.60	4.51	0.70	2.57	0.36	2.38	0.34	2.72	0.86	2.48	106.31	749.60	0.60	1.45
SMDH 00717	43.2	22.68	0.40	22.49	8.62	26.57	2.99	14.79	3.94	0.99	4.54	0.70	4.21	0.70	2.57	0.35	2.58	0.38	1.36	0.96	2.24	98.47	1095.44		1.30
SMDH 00717	60.1	36.00	0.27	28.65	20.26	41.56	5.81	24.38	5.69	1.24	5.67	0.81	4.99	0.82	2.95	0.37	2.17	0.32	2.15	1.10	2.24	111.98	1017.09		
SMDH 00717	143.2	114.09	0.21	46.67	63.92	147.34	19.53	80.31	18.22	1.97	18.27	2.30	11.95	1.46	4.60	0.45	2.38	0.34	16.21	2.26	1.53	54.57	734.86		
SMDH 00717	43.8	33.15	0.23	15.60	23.75	48.63	6.23	23.23	4.15	1.24	3.75	0.61	3.08	0.61	1.53	0.21	1.34	0.17	5.89	0.78	2.24	99.55	985.54		1.50
SMDH 00717	126.1	92.03	0.20	48.48	55.31	124.19	16.15	63.67	15.25	1.76	14.19	2.28	9.92	1.69	3.80	0.55	2.99	0.38	12.81	2.02	1.30	54.17	1007.90	2.60	
SMDH 00717	116.8	88.98	0.14	42.80	63.92	138.20	16.76	62.52	12.93	1.82	11.46	1.66	8.05	1.36	3.86	0.53	2.99	0.38	19.15	1.35	3.42	168.71	908.39		
SMDH 00717	63.5	35.54	0.33	32.64	18.63	43.02	5.78	22.65	5.91	1.06	6.70	1.01	6.10	1.16	3.01	0.46	2.58	0.33	2.61	1.28	1.77	75.37	1082.96		
SMDH 00717	47.1	32.26	0.29	19.46	22.12	46.43	5.65	22.19	4.21	0.98	3.86	0.65	3.77	0.70	1.84	0.31	1.65	0.21	9.86	1.33	2.59	108.87	952.60		1.47
SMDH 00717	73.0	45.81	0.15	33.61	25.62	56.67	7.61	30.74	6.82	1.20	7.94	1.30	6.16	1.15	2.83	0.36	1.96	0.25	4.08	1.32	1.77	75.37	724.63		
SMDH 00733	176.0	166.73	0.11	43.16	139.72	307.48	35.32	121.91	19.50	1.41	14.30	1.71	7.79	1.53	4.12	0.60	4.23	0.50	62.22	2.94	28.42	1118.19	610.04		
SMDH 00733	226.1	223.55	0.05	47.03	185.02	397.66	46.00	165.82	28.48	1.47	18.04	2.20	9.53	1.73	4.20	0.62	4.23	0.50	83.75	3.66	28.30	1158.45	543.47		
SMDH 00733	174.3	181.46	0.10	28.17	148.46	304.92	37.02	136.93	19.09	1.72	14.19	1.46	6.05	0.96	2.31	0.33	1.86	0.23	62.11	2.38	10.26	459.54	485.92	2.10	
SMDH 00733	99.7	111.61	0.02	11.00	106.42	215.83	24.74	83.20	12.68	1.85	8.17	0.73	2.93	0.38	0.94	0.08	0.41	0.05	40.57	1.17	5.54	251.25	584.39		
SMDH 00733	25.8	23.18	0.04	5.68	21.77	42.78	4.59	17.45	3.02	1.50	2.04	0.23	0.91	0.21	0.54	0.08	0.52	0.07	6.12	0.41	3.77	160.75	287.95		1.69
SMDH 00733	50.8	52.52	0.09	8.10	51.35	100.30	11.24	39.29	5.35	1.46	3.97	0.42	1.56	0.27	0.51	0.10	0.52	0.07	16.32	0.80	6.37	294.07	597.74		
SMDH 00733	70.6	66.35	0.24	16.56	56.82	118.58	13.29	49.46	7.08	1.01	5.67	0.67	2.94	0.46	1.86	0.29	1.86	0.26	22.55	1.22	9.20	403.75	581.27		
SMDH 00733	16.0	13.14	0.04	4.23	14.67	26.57	3.01	9.13	1.60	1.60	1.36	0.21	0.79	0.12	0.45	0.05	0.31	0.05	3.17	0.29	2.95	132.24	320.19	0.80	
SMDH 00733	24.2	15.29	0.08	10.76	15.95	29.13	3.25	10.28	2.33	1.41	1.48	0.29	1.46	0.25	1.15	0.20	1.14	0.16	3.40	0.62	6.96	314.74	399.93		1.34
SMDH 00733	69.7	57.27	0.13	22.73	50.77	103.22	11.63	41.25	7.66	1.30	5.90	0.67	3.73	0.80	2.43	0.36	2.68	0.36	19.27	1.08	6.84	292.18	579.36		
SMDH 00733	92.6	86.11	0.15	22.85	74.98	157.33	17.72	63.67	10.46	1.41	7.72	0.80	3.92	0.80	2.56	0.41	2.58	0.35	33.77	1.48	8.02	337.02	678.00		
SMDH 00733	100.6	100.83	0.22	18.74	89.89	186.09	20.50	75.92	12.04	1.49	7.38	0.81	3.60	0.62	2.13	0.29	1.76	0.23	35.13	1.46	7.43	323.11	786.52		
SMDH 00733	117.3	117.47	0.11	22.85	109.80	224.36	24.96	87.48	13.92	1.93	8.74	0.92	4.12	0.77	2.32	0.37	2.17	0.29	37.97	1.45	9.67	451.98	723.77	1.20	1.64
SMDH 00732	93.3	81.52	0.06	27.56	71.72	152.58	16.83	58.70	11.18	1.02	7.49	1.09	4.89	1.04	2.50	0.37	2.58	0.30	28.67	2.27	12.85	530.46	568.44	0.80	
SMDH 00732	43.7	37.71	0.09	12.94	33.77	81.17	7.45	27.50	5.07	0.49	2.95	0.39	2.37	0.46	1.51	0.25	1.65	0.20	14.85	1.22	8.61	346.48	388.49		1.62
SMDH 00732	60.3	59.16	0.11	12.33	54.61	106.76	12.11	43.91	7.08	0.88	4.65	0.57	2.56	0.45	0.99	0.13	0.83	0.11	18.13	1.41	9.91	436.58	661.53		
SMDH 00732	41.3	38.23	0.13	10.88	35.28	73.12	8.36	27.62	4.27	0.56	3.40	0.41	1.84	0.36	0.97	0.16	0.93	0.12	12.58	1.18	7.90	371.06	512.10		
SMDH 00732	60.4	52.74	0.10	17.29	46.69	95.79	10.13	39.06	6.67	0.52	4.43	0.65	2.90	0.58	1.80	0.21	1.55	0.21	15.75	1.51	7.55	380.66	486.79		
SMDH 00732	70.6	59.41	0.04	22.00	50.53	104.32	11.65	43.56	6.91	0.88	5.33	0.70	3.50	0.68	2.25	0.32	1.96	0.26	19.27	2.02	5.42	251.65	613.86		1.57
SMDH 00732	74.0	67.75	0.09	19.46	61.71	126.26	14.13	49.57	8.05	0.88	5.45	0.75	3.30	0.64	1.97	0.31	1.86	0.24	23.01	2.13	8.73	387.68	786.17	1.80	
SMDH 00732	74.5	71.76	0.06	16.32	65.20	136.13	14.60	53.50	7.96	1.06	6.13	0.71	2.94	0.49	1.26	0.17	1.14	0.15	24.82	2.22	8.73	390.52	735.21		
SMDH 00732	74.5	71.76	0.06	16.32	65.20	136.13	14.60	53.50	7.96	1.06	6.13	0.71	2.94	0.49	1.26	0.17	1.14	0.15	24.82	2.22	8.73	390.52	735.21		
SMDH 00748	84.2	71.66	0.14	25.15	64.85	121.26	14.42	51.88	9.46	1.87	6.24	0.78	4.57	0.93	2.45	0.37	2.48	0.29	20.06	1.58	7.67	302.85	567.74		
SMDH 00748	101.8	70.66	0.12	44.01	61.13	121.38	14.19	49.34	8.86	1.27	7.04	1.17	5.96	1.44	4.34	0.64	4.54	0.54	20.97	2.23	9.20	371.06	615.94		
SMDH 00748	131.8	98.54	0.16	51.62	85.23	177.20	19.84	68.76	11.32	1.49	8.85	1.37	8.58	1.75	5.78	0.83	4.96	0.66	30.15	2.85	7.90	368.50	723.25		
SMDH 00748	87.9	71.35	0.13	29.74	60.08	125.40	14.46	50.61	7.92	1.27	6.92	0.90	5.38	1.01	3.05	0.44	2.89	0.38	20.85	2.31	7.67	361.74	717.35		1.71
SMDH 00748	81.8	62.68	0.02	31.31	51.00	106.88	13.32	43.22	7.68	1.12	6.13	0.81	5.33	1.02	3.34	0.46	2.79	0.39	18.81	1.90	7.55	327.30	676.44		
SMDH 00748	119.4	94.41	0.09	42.55	76.85	161.60	18.99	67.60	12.60	1.46	8.51	1.23	6.59	1.67	5.20	0.77	4.85	0.68	28.56	2.28	8.96	369.85	732.43	1.40	
SMDH 00748	119.4	94.41	0.09	42.55	76.85	161.60	18.99	67.60	12.60	1.46	8.51	1.23	6.59	1.67	5.20	0.77	4.85	0.68	28.56	2.28	8.96	369.85	732.43	1.40	
SMDH 00749	112.5	104.36	0.14	28.77	86.63	191.82	22.01	75.69	13.37	1.37	10.55	1.15	5.52	1.04	2.61	0.42	2.48	0.29	39.10	2.29	12.85	518.71	702.27		
SMDH 00749	81.8	58.27	0.13	33.13	47.74	99.93	11.28	40.44	8.47	1.66	6.92	1.03	5.52	1.14	3.25	0.50	3.10	0.37	18.25	1.21	6.60	263.00	703.83	1.64	1.52
SMDH 00749	135.8	103.77	0.17	52.23	83.14	178.05	21.46	72.22	13.61	1.23	9.65	1.48	8.61	1.87	5.68	0.86	5.78	0.80	34.00	2.17	6.72	301.50	610.56		
SMDH 00749	81.1	76.25	0.11	19.10	59.38	129.67	15.49	55.81	8.45	1.26	6.58	0.80	4.14	0.70	1.91	0.30	1.65	0.22	22.89	1.31	6.37	270.30	615.07		1.62
SMDH 00749	93.7	81.70	0.09	27.68	65.20	143.32	17.02	58.36	11.12	1.28	7.15	1.01	5.32	0.99	2.61	0.42	2.58	0.35	27.09	1.72	6.96	312.85	620.62		
SMDH 00749	103.0	96.41	0.09	25.51	75.22	165.13	20.44	68.41	14.05	1.47	8.97	1.14	6.43	0.87	2.50	0.35	2.58	0.36	32.19	2.36	8.14	341.62	698.11		
SMDH 00750	194.2	186.82	0.04	45.82	150.90	338.92	40.04	137.05	19.11	1.57	13.50	1.78	7.95	1.53	4.34	0.58	3.61	0.53	66.87	2.81	17.22	842.63	486.96		
SMDH 00750	73.5	63.95	0.04	21.40	57.40	124.31	13.91	46.11	6.97	2.08	5.90	0.68	3.25	0.73	2.31	0.35	2.07	0.31	24.25	1.15	7.19	347.70	463.90		
SMDH 00750	36.5	37.35	0.06	6.04	33.18	68.73	8.05	27.62	4.84	1.12	2.72	0.31	1.38	0.25	0.58	0.08	0.41	0.06	12.13	0.72	7.43	308.79	555.78	1.80	
SMDH 00750	26.1	24.88	0.05	5.20	21.77	45.70	5.54	18.14	2.81	1.55	1.82	0.20	1.00	0.19	0.49	0.07	0.62	0.09	7.82	0.65	8.96	425.10	631.19		1.62
SMDH 00750	35.3	32.62	0.13	8.70	28.29	60.33	7.30	23.46	3.85	1.25	2.84	0.33	1.53	0.30	0.95	0.13	1.14	0.16	9.97	0.76	12.85	585.57	994.72		
SMDH 00750	93.7	96.13	0.05	17.05	82.90	169.40	20.89	70.95	11.13	1.37	6.70	0.84	3.45	0.68	1.72	0.28	1.65	0.19	34.23	1.37	12.38	491.42	803.86		
SMDH 00750	124.5	119.52	0.07	28.41	99.20	203.89	25.03	87.82	14.42	1.65	8.97	1.11	5.55	0.98	3.06	0.49	2.89	0.33	41.59	2.18	11.79	484.80	769.01		
SMDH 00766	142.8	140.87	0.07	31.19	111.43	253.73	30.25	103.88	14.52	0.97	10.10	1.26	5.47	1.15	3.18	0.45	2.48	0.36	52.36	1.84	15.21	698.23	549.89		
SMDH 00766	126.0	116.03	0.13	32.52	92.57	209.37	23.94	85.40	10.74	1.42	7.83	1.11	5.58	1.24	3.46	0.49	2.99	0.43	39.21	1.09	6.96	333.24	836.45		1.37
SMDH 00766	99.9	98.85	0.10	20.19	81.85	169.40	20.71	73.38	10.18	1.61	6.58	0.72	4.04	0.66	1.86	0.27	1.76	0.20	33.32	1.04	10.50	432.93	730.70	3.00	1.54
SMDH 00766	110.5	110.53	0.05	21.88	95.59	199.74	23.83	81.24	12.74	1.89	7.83	0.92	4.55	0.87	2.22	0.27	1.96	0.22	41.25	1.23	12.15	485.07	687.53		
SMDH 00766	63.8	64.76	0.09	11.85	56.01	115.17	14.40	47.49	7.08	1.62	4.31	0.50	2.36	0.44	1.18	0.15	1.03	0.12	21.76	0.73	10.85	469.81	703.66		
SMDH 00766	71.0	66.36	0.04	17.41	56.35	115.78	14.22	48.65	7.23	1.44	4.65	0.62	2.87	0.62	1.93	0.24	1.76	0.20	24.03	0.97	12.03	464.27	763.12		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00766	103.3	100.06	0.10	22.85	81.97	170.50	21.23	73.72	12.76	1.57	7.38	0.93	4.18	0.88	2.00	0.32	1.76	0.21	35.81	1.49	10.73	428.74	662.57		1.67
SMDH 00765	190.1	193.52	0.12	37.11	162.78	353.79	42.01	142.02	22.09	1.51	15.89	2.13	7.36	1.29	3.79	0.45	2.89	0.43	71.17	4.18	16.04	727.00	693.60	1.90	
SMDH 00765	72.5	72.65	0.10	14.51	61.48	134.91	15.70	53.27	8.89	1.04	6.24	0.75	2.94	0.50	1.58	0.21	1.03	0.16	26.07	1.63	5.42	249.09	559.42		
SMDH 00765	78.7	80.38	0.04	13.78	63.57	130.52	16.67	59.28	10.28	1.25	7.72	1.03	3.40	0.47	1.26	0.17	0.62	0.07	28.67	1.69	6.60	275.02	546.94	1.30	
SMDH 00765	57.2	56.31	0.06	11.24	45.53	92.13	11.69	41.25	7.71	1.32	5.11	0.63	2.74	0.42	1.17	0.14	0.83	0.11	17.79	1.09	3.54	174.52	409.99		
SMDH 00765	79.2	78.52	0.05	15.60	63.57	131.86	16.20	58.47	10.60	1.28	7.04	0.81	3.03	0.54	1.35	0.19	1.24	0.16	25.16	1.57	5.19	230.45	625.47		
SMDH 00765	103.1	96.28	0.12	25.27	81.50	168.91	19.81	70.26	13.37	1.40	8.40	1.11	5.10	0.85	2.47	0.38	1.86	0.25	27.31	1.80	7.43	307.17	640.90		1.57
SMDH 00765	117.0	114.33	0.14	23.70	92.92	196.21	22.53	85.74	15.12	1.52	9.53	1.06	5.00	0.92	2.29	0.40	2.68	0.35	37.63	2.27	7.55	320.95	723.94		
SMDH 00765	99.8	99.33	0.13	20.43	84.65	178.66	21.32	72.80	12.20	1.35	8.17	0.95	4.25	0.64	2.00	0.28	1.96	0.26	34.11	2.04	9.43	394.57	796.92	1.20	
SMDH 00765	89.7	86.63	0.03	19.71	72.77	150.75	17.55	64.25	11.41	0.95	7.15	0.94	3.88	0.68	2.19	0.29	1.96	0.26	28.11	1.99	8.61	367.69	811.14		
SMDH 00765	92.0	84.84	0.07	23.45	69.98	146.49	17.64	61.48	12.58	1.31	7.26	0.95	4.77	0.80	2.71	0.35	2.27	0.30	26.75	2.01	6.13	295.42	722.73		1.55
SMDH 00765	103.4	85.42	0.11	34.58	72.89	149.41	18.00	60.55	10.52	1.42	7.04	1.09	5.78	1.27	3.58	0.56	4.54	0.59	26.86	1.99	11.09	479.67	808.36		
SMDH 00765	101.4	84.16	0.07	32.64	71.03	148.56	16.94	60.44	10.54	1.56	7.94	1.12	5.66	1.00	3.39	0.41	2.48	0.37	24.71	2.47	7.67	354.99	903.71		
SMDH 00764	87.3	70.66	0.11	30.34	57.29	123.94	14.70	49.80	7.74	0.98	6.13	1.02	5.14	1.03	2.97	0.45	2.68	0.40	22.67	1.85	10.14	469.67	789.82		
SMDH 00764	86.2	63.53	0.18	34.94	51.93	113.83	13.30	43.22	7.96	1.05	7.26	1.19	5.81	1.23	3.18	0.39	2.07	0.30	19.83	1.57	4.36	201.00	723.25		1.48
SMDH 00764	162.1	91.21	0.25	84.99	55.66	129.55	15.49	59.28	14.96	1.40	11.80	2.39	14.05	2.75	8.25	0.91	5.47	0.81	16.43	1.87	5.90	270.30	1450.31	2.90	
SMDH 00764	73.6	52.58	0.16	29.26	39.94	84.21	9.67	36.40	8.27	1.41	5.33	0.91	5.60	0.98	2.86	0.40	2.17	0.32	11.45	1.24	4.13	173.71	970.63		1.53
SMDH 00764	72.5	57.74	0.08	23.94	45.18	95.55	10.97	41.48	7.70	1.83	5.33	0.84	4.44	0.80	2.38	0.23	1.96	0.28	15.64	1.71	5.78	256.92	729.83		
SMDH 00764	76.2	58.75	0.15	27.44	45.76	97.62	11.36	40.79	8.60	1.35	5.90	0.99	5.62	0.90	2.69	0.41	2.27	0.33	12.81	1.81	3.42	149.80	790.86		
SMDH 00764	55.2	28.21	0.35	31.67	26.90	44.73	5.59	17.80	4.59	0.93	3.86	0.60	4.23	0.76	2.56	0.33	1.96	0.29	2.27	2.34	1.06	42.69	832.11		
SMDH 00764	33.4	17.88	0.21	17.53	12.46	19.38	2.95	11.79	2.59	0.95	2.27	0.47	2.67	0.48	1.83	0.21	1.34	0.20	1.70	1.74	3.30	164.53	516.43	1.70	1.35
SMDH 00764	33.5	16.86	0.22	18.50	10.48	19.99	2.60	10.86	3.25	0.71	2.38	0.46	2.94	0.50	1.76	0.22	1.96	0.28	1.70	1.28	1.18	55.65	453.33		
SMDH 00764	57.0	26.60	0.25	33.73	15.60	30.83	4.54	16.29	4.76	1.22	4.20	0.84	4.93	0.91	3.32	0.40	2.89	0.42	1.93	2.17	1.53	67.40	684.24		
SMDH 00764	59.4	30.42	0.26	32.76	16.07	44.24	4.60	19.30	4.68	0.78	4.77	0.98	5.55	1.15	2.87	0.44	2.48	0.29	3.06	1.28	2.71	105.77	877.71		
SMDH 00764	42.3	22.95	0.18	21.64	12.23	25.59	3.31	15.37	3.20	1.02	3.18	0.61	3.66	0.83	2.33	0.30	2.27	0.27	1.13	0.99	2.48	94.02	620.10		1.46
SMDH 00780	140.4	115.44	0.16	47.39	96.99	205.47	24.12	81.47	14.64	1.64	11.69	1.61	8.25	1.60	4.93	0.74	4.65	0.63	40.69	2.76	18.75	830.34	912.38		
SMDH 00780	84.2	75.81	0.11	22.61	62.53	134.30	15.48	55.58	8.39	1.25	6.58	0.86	3.88	0.77	2.23	0.31	1.86	0.25	26.52	1.88	8.37	354.31	617.84	0.46	
SMDH 00780	66.5	66.27	0.12	11.73	57.17	118.58	12.79	50.15	7.00	1.32	5.56	0.59	2.74	0.50	1.07	0.12	1.03	0.12	23.91	1.32	8.49	335.67	618.36	1.90	
SMDH 00780	53.7	52.22	0.11	11.36	48.09	102.49	10.75	38.71	6.50	0.88	3.86	0.45	2.32	0.36	1.20	0.15	1.14	0.13	18.59	1.58	6.25	241.66	502.56		
SMDH 00780	64.0	55.36	0.20	17.89	44.59	94.08	10.73	40.44	6.99	1.45	5.22	0.75	3.44	0.66	1.66	0.27	1.55	0.18	13.15	1.49	5.42	204.51	476.73		
SMDH 00780	67.0	60.33	0.11	16.93	50.30	101.88	11.66	44.60	7.92	1.40	5.22	0.68	3.38	0.69	1.62	0.21	1.45	0.17	17.34	1.75	5.66	228.56	527.35		1.51
SMDH 00780	64.9	64.37	0.09	12.45	59.85	114.56	13.60	47.49	7.61	1.72	5.33	0.61	2.66	0.50	1.17	0.23	0.93	0.13	19.27	1.11	6.49	292.58	551.45		
SMDH 00780	82.5	77.52	0.10	20.07	68.35	131.62	16.18	56.74	9.45	1.12	6.47	0.81	3.78	0.71	2.19	0.28	2.07	0.26	29.58	2.05	8.61	344.59	704.70	2.27	
SMDH 00780	96.5	88.96	0.13	25.63	79.64	155.87	19.29	64.25	11.55	1.24	8.17	1.06	4.37	0.92	2.60	0.39	2.79	0.36	32.30	2.36	8.73	367.42	742.14		
SMDH 00780	86.0	74.57	0.14	24.78	62.53	124.19	14.73	54.54	10.90	1.41	7.26	0.91	4.38	0.81	2.15	0.36	1.86	0.25	25.84	1.85	6.96	307.71	698.28		1.55
SMDH 00780	86.0	74.57	0.14	24.78	62.53	124.19	14.73	54.54	10.90	1.41	7.26	0.91	4.38	0.81	2.15	0.36	1.86	0.25	25.84	1.85	6.96	307.71	698.28		1.55
SMDH 00782	94.3	90.09	0.05	22.85	71.72	194.99	19.20	65.87	9.55	0.52	7.15	0.90	4.13	0.69	2.20	0.35	2.17	0.29	39.33	1.91	16.04	704.04	448.82		
SMDH 00782	105.8	95.02	0.13	29.38	72.31	229.36	20.01	68.99	10.82	1.41	8.74	1.06	4.97	1.02	3.23	0.44	3.20	0.43	39.10	1.80	12.15	538.97	862.11		1.44
SMDH 00782	97.7	76.46	0.14	36.03	65.55	110.54	16.15	54.54	8.66	1.40	5.67	0.86	4.90	1.23	3.62	0.58	3.92	0.50	22.89	0.99	10.26	430.09	850.84		
SMDH 00782	86.4	62.21	0.13	36.27	52.63	100.30	13.22	43.33	6.62	1.12	4.65	0.71	4.95	1.36	4.17	0.67	4.54	0.59	21.08	1.05	14.27	620.83	843.73		
SMDH 00782	75.7	60.35	0.06	26.60	51.70	108.95	12.50	43.33	6.07	1.27	4.20	0.60	3.92	0.84	3.09	0.46	2.89	0.37	19.83	0.71	10.14	456.57	646.28	0.93	
SMDH 00782	154.0	139.09	0.09	43.64	117.95	245.69	30.09	100.88	15.14	1.32	10.67	1.16	6.96	1.47	4.87	0.67	4.96	0.62	53.83	1.75	10.85	481.97	735.55		1.62
SMDH 00782	158.6	158.69	0.11	33.25	136.35	290.05	35.17	117.17	15.50	1.84	9.87	1.03	5.32	1.06	3.46	0.50	3.41	0.43	55.65	0.94	7.31	347.97	631.89		
SMDH 00783	173.8	145.92	0.21	56.94	113.99	284.93	30.50	104.58	15.23	1.40	10.44	1.60	9.24	2.07	6.19	0.96	6.40	0.87	58.25	1.76	22.76	998.65	894.87		
SMDH 00783	40.2	33.30	0.05	13.06	30.27	49.24	7.23	23.69	3.71	1.11	2.72	0.39	2.00	0.39	1.38	0.19	1.24	0.17	9.52	0.46	7.67	352.69	562.54		
SMDH 00783	29.5	27.14	0.10	7.13	23.99	46.68	5.92	19.88	2.74	1.17	2.04	0.29	1.07	0.22	0.67	0.12	0.72	0.09	7.25	0.32	6.60	301.77	539.83		
SMDH 00767	127.3	113.34	0.13	36.75	93.50	205.35	23.82	82.51	11.42	1.02	7.83	1.15	5.87	1.31	3.68	0.57	3.92	0.53	39.55	1.26	13.92	621.50	829.17	0.48	
SMDH 00767	73.0	62.06	0.08	22.61	54.38	108.59	12.96	44.95	6.79	1.28	4.65	0.60	3.55	0.72	2.34	0.42	2.27	0.31	18.93	0.61	7.31	312.85	633.97		1.51
SMDH 00767	79.6	78.41	0.07	16.68	71.26	147.34	17.01	57.89	8.39	1.52	4.88	0.59	2.92	0.56	1.55	0.23	1.45	0.19	26.75	0.53	5.42	279.75	597.91		
SMDH 00767	162.6	138.53	0.13	51.98	117.37	244.59	29.36	100.42	14.33	1.40	9.76	1.23	7.52	1.80	5.41	0.85	5.06	0.64	47.15	0.91	10.97	503.04	889.32	1.04	1.56
SMDH 00767	136.2	107.18	0.12	50.90	91.05	184.51	23.03	76.27	11.37	1.13	7.83	1.03	6.85	1.63	5.22	0.76	4.96	0.63	32.75	0.91	10.61	464.81	830.21		
SMDH 00767	137.9	119.63	0.16	42.68	103.86	215.83	25.77	86.20	13.28	1.40	7.83	1.04	6.61	1.54	4.65	0.59	4.65	0.59	39.89	0.94	10.85	490.21	812.00		
SMDH 00767	77.1	68.61	0.09	21.04	57.64	119.07	13.82	51.08	7.44	1.27	4.43	0.57	3.14	0.76	2.38	0.33	2.07	0.26	21.19	0.55	7.31	332.16	581.79		
SMDH 00767	93.6	75.83	0.15	32.88	64.16	136.62	15.96	53.96	7.76	0.85	4.99	0.79	5.12	1.19	3.87	0.58	4.03	0.51	24.59	0.76	13.33	582.46	707.82		1.69
SMDH 00767	126.7	94.52	0.14	49.08	76.85	149.66	18.25	68.87	9.70	1.37	6.70	0.88	6.51	1.68	5.63	0.81	5.58	0.70	28.90	0.81	9.91	448.87	751.33	1.54	
SMDH 00767	104.1	90.10	0.07	32.88	80.92	161.96	20.28	64.60	10.14	1.38	6.13	0.76	4.47	1.16	3.28	0.49	3.41	0.43	29.92	0.74	7.78	373.36	701.06		
SMDH 00804	74.9	60.26	0.10	25.63	49.95	109.56	11.88	43.33	6.94	0.89	5.45	0.84	4.21	0.88	2.67	0.44	2.68	0.36	20.40	1.62	9.91	439.42	661.53		
SMDH 00804	76.0	58.20	0.12	28.65	47.97	108.59	11.96	40.21	8.07	1.12	5.67	0.81	5.20	1.10	2.90	0.47	2.68	0.30	19.27	1.63	7.67	318.79	788.08		
SMDH 00804	30.0	24.75	0.00	10.16	21.54	55.45	5.29	17.33	3.23	0.38	2.27	0.37	1.76	0.31	1.11	0.15	1.14	0.14	8.84	0.57	3.89	182.36	279.45		
SMDH 00804	43.7	34.49	0.09	14.99	27.13	63.49	6.37	25.42	3.48	0.61	2.84	0.41	2.29	0.48	1.38	0.20	1.45	0.18	10.43	0.64	2.95	135.62	328.51		1.52
SMDH 00804	74.7	61.41	0.09	25.15	53.91	101.52	12.58	43.80	7.66	0.71	5.22	0.72	4.32	0.93	2.50	0.38	2.58	0.33	17.91	1.15	5.78	270.02	573.12		
SMDH 00804	96.8	83.83	0.12	30.10	73.47	148.07	17.75	60.55	9.99	0.60	7.49	0.81	4.72	1.06	3.17	0.42	3.41	0.42	29.35	1.45	10.97	489.39	859.16	2.52	
SMDH 00804	62.2	54.56	0.13	18.62	52.05	98.59	11.57	39.40	6.22	0.63	4.54	0.59	3.01	0.68	1.92	0.33	2.17	0.27	17.57	0.91	5.78	265.16	460.26		
SMDH 00804	88.4	65.68	0.16	35.91	52.16	123.33	13.65	45.76	6.57	0.48	5.22	0.81	5.46	1.26	4.10	0.57	4.44	0.56	24.37	1.35	14.86	701.20	1215.23		1.45
SMDH 00804	116.1	109.99	0.11	29.50	98.04	201.21	24.07	79.50	11.57	0.66	8.17	1.15	5.27	0.92	2.94	0.40	2.79	0.38	36.72	1.84	11.09	493.31	851.53		
SMDH 00804	80.5	67.01	0.09	27.44	61.36	121.63	14.36	47.26	7.51	0.41	6.36	0.85	4.54	0.84	2.71	0.46	2.99	0.40	22.55	1.49	12.03	531.54	977.21		
SMDH 00804	59.4	47.86	0.09	21.64	42.03	88.11	10.41	33.63	5.79	0.30	4.09	0.62	3.21	0.75	2.78	0.42	3.30	0.44	16.89	1.27	13.33	605.29	1013.62	1.85	
SMDH 00804	80.7	71.75	0.16	23.45	61.94	138.44	15.32	51.88	7.91	0.80	5.67	0.79	3.75	0.78	2.70	0.38	2.68	0.37	23.80	1.40	10.85	502.23	923.82		1.63
SMDH 00804	118.4	116.03	0.12	27.20	105.72	203.52	25.84	83.20	13.13	1.01	10.33	1.43	5.56	0.93	2.64	0.38	3.10	0.41	39.33	2.19	8.84	389.44	762.42		
SMDH 00804	101.3	88.25	0.12	30.47	77.31	157.46	18.58	63.79	10.59	1.16	8.06	0.99	4.90	0.89	3.13	0.52	3.82	0.52	30.37	1.70	9.08	404.56	828.13		
SMDH 00804	114.5	100.27	0.13	33.85	86.16	175.61	20.66	72.11	11.05	1.08	8.28	1.08	6.43	1.00	3.58	0.53	3.82	0.52	31.73	1.71	8.84	385.25	751.16		
SMDH 00804	95.8	91.93	0.06	22.24	80.57	167.21	19.74	67.14	10.72	1.33	8.40	0.96	4.08	0.78	2.09	0.30	2.48	0.33	31.28	2.19	7.67	334.46	588.89	1.36	1.59
SMDH 00804	82.2	69.93	0.09	25.39	60.43	124.92	14.07	50.27	9.24	0.93	6.13	0.91	4.68	0.81	2.72	0.38	2.89	0.39	23.35	2.37	7.90	354.04	686.15		
SMDH 00804	54.0	58.13	0.12	7.74	51.12	108.46	12.38	43.80	5.74	0.55	3.52	0.37	1.59	0.31	0.67	0.13	0.83	0.10	19.49	1.15	9.08	374.31	589.07		
SMDH 00803	181.1	174.73	0.11	41.59	139.61	305.41	37.07	128.04	22.29	1.82	14.75	1.61	8.02	1.47	4.18	0.59	3.30	0.37	62.56	2.61	20.87	884.91	567.57		
SMDH 00803	59.0	39.73	0.14	25.99	33.30	69.22	8.28	27.50	3.78	1.59	3.40	0.50	3.45	0.92	2.98	0.51	3.10	0.34	12.13	0.72	12.26	523.16	631.19	0.41	1.60

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00803	50.9	31.49	0.12	24.18	26.31	54.72	5.94	21.72	2.74	1.18	2.95	0.56	3.26	0.82	2.54	0.49	2.99	0.37	8.95	0.52	9.67	401.32	547.12		
SMDH 00803	56.0	32.49	0.12	28.65	27.60	56.18	6.48	21.84	3.18	1.36	2.50	0.55	3.62	1.01	3.24	0.55	3.51	0.43	9.18	0.60	11.56	509.25	612.64		1.57
SMDH 00803	67.3	48.42	0.11	26.96	41.45	80.80	9.38	34.78	5.40	1.28	3.63	0.64	3.61	0.91	3.27	0.48	2.99	0.37	13.49	0.70	10.85	476.97	635.01	1.46	
SMDH 00803	30.2	17.65	0.07	14.51	14.67	28.64	3.20	12.48	1.84	1.24	1.36	0.26	1.70	0.41	1.48	0.29	1.65	0.20	3.74	0.37	6.84	303.66	452.81		
SMDH 00803	94.4	84.25	0.08	25.87	74.17	152.09	17.17	61.59	7.85	1.44	6.70	0.90	4.59	0.95	2.55	0.49	2.99	0.36	27.88	2.20	12.85	541.27	665.34		
SMDH 00803	57.7	53.67	0.02	13.78	51.70	107.61	10.96	39.52	5.66	1.22	4.54	0.54	2.65	0.46	1.47	0.19	1.14	0.14	18.70	0.70	6.13	279.89	499.27		1.56
SMDH 00803	49.3	27.66	0.14	25.39	23.05	44.73	5.25	18.60	2.68	1.47	2.27	0.50	3.30	0.88	2.64	0.49	2.79	0.34	6.46	0.45	8.61	372.01	713.19		
SMDH 00803	41.2	21.47	0.10	22.24	18.40	35.46	3.93	14.10	2.32	1.38	2.04	0.34	3.10	0.75	2.39	0.42	2.79	0.30	4.99	0.79	10.50	431.99	600.51	0.52	
SMDH 00803	75.3	56.49	0.16	27.20	48.20	99.81	10.06	41.48	6.11	1.63	4.65	0.71	4.24	0.96	2.81	0.51	2.99	0.32	17.57	1.02	11.44	476.97	630.85		
SMDH 00803	153.1	141.16	0.13	37.60	117.37	249.95	27.05	106.08	15.46	1.36	10.67	1.27	6.76	1.26	3.76	0.60	3.92	0.42	48.28	1.65	10.50	464.54	782.19		1.69
SMDH 00802	140.5	129.50	0.12	36.39	99.20	224.97	26.37	94.64	16.20	1.02	10.21	1.32	7.17	1.24	3.77	0.64	3.10	0.34	44.65	2.52	15.92	709.44	796.06		
SMDH 00802	138.5	120.32	0.17	41.47	97.92	197.55	24.85	86.90	14.41	1.54	9.99	1.16	7.41	1.47	4.26	0.76	3.82	0.42	39.10	1.42	8.61	364.45	855.52		
SMDH 00802	142.5	115.36	0.19	47.87	99.79	207.42	22.30	84.01	13.60	1.54	10.21	1.19	7.86	1.56	5.20	0.83	4.85	0.53	40.01	1.62	11.09	465.35	811.31		
SMDH 00802	147.3	133.34	0.18	38.57	118.65	233.38	26.58	98.45	13.77	1.97	11.12	1.30	7.01	1.38	3.99	0.60	3.72	0.40	37.85	1.96	9.67	429.28	701.92		
SMDH 00802	100.5	83.08	0.22	32.16	73.12	151.36	16.20	60.67	9.82	1.42	6.47	0.87	5.34	1.08	3.37	0.51	3.41	0.37	25.73	1.56	9.55	423.21	843.04	1.78	
SMDH 00802	123.9	117.26	0.14	27.56	99.67	206.81	22.42	88.75	13.49	1.51	8.51	0.99	5.10	0.91	2.55	0.35	2.48	0.27	41.48	1.56	6.49	276.64	678.35		1.58
SMDH 00802	119.3	111.52	0.16	29.62	92.92	216.56	23.70	81.70	12.75	1.84	8.85	1.00	5.13	1.03	3.18	0.44	2.99	0.33	41.03	1.33	9.67	404.29	711.63		
SMDH 00802	118.7	108.32	0.19	30.83	85.35	185.85	21.74	80.54	11.28	1.28	8.40	0.92	5.12	1.16	3.51	0.53	3.61	0.40	35.59	1.46	10.14	384.98	869.73		
SMDH 00802	122.1	112.91	0.16	31.80	93.61	199.38	23.80	82.39	11.99	1.23	8.74	0.96	5.75	1.18	3.23	0.62	3.51	0.39	35.25	1.44	9.43	355.13	809.92		
SMDH 00802	98.8	99.99	0.16	18.38	84.07	176.71	21.19	73.84	11.54	1.66	7.04	0.86	4.09	0.64	1.77	0.23	1.45	0.17	34.91	1.31	10.97	429.55	800.22	1.53	1.52
SMDH 00802	79.1	81.29	0.16	13.06	68.23	141.86	16.94	60.90	9.44	1.72	5.90	0.69	2.76	0.50	1.04	0.15	0.93	0.10	27.88	1.21	16.04	648.79	818.25		
SMDH 00802	56.0	54.54	0.15	11.24	47.74	95.55	11.67	40.21	6.19	1.84	3.86	0.47	2.19	0.43	1.12	0.14	1.03	0.12	16.66	0.83	12.97	538.16	814.09		
SMDH 00802	132.7	128.26	0.19	29.74	107.35	224.24	27.05	94.76	15.43	1.70	10.33	1.11	5.35	0.96	3.03	0.40	2.79	0.31	42.84	1.68	16.04	635.42	1035.81		
SMDH 00802	132.7	128.26	0.19	29.74	107.35	224.24	27.05	94.76	15.43	1.70	10.33	1.11	5.35	0.96	3.03	0.40	2.79	0.31	42.84	1.68	16.04	635.42	1035.81		
SMDH 00802	119.0	113.79	0.05	28.17	95.71	207.42	24.02	83.20	15.20	1.08	9.76	1.18	5.38	0.89	2.56	0.38	2.38	0.26	40.91	2.27	19.34	787.11	495.80		1.68
SMDH 00801	127.6	120.58	0.10	30.83	95.71	208.76	25.20	87.82	16.02	1.34	9.99	1.11	6.45	1.16	3.05	0.49	2.38	0.26	41.82	1.82	11.20	499.93	668.99		
SMDH 00801	91.4	80.26	0.13	26.72	64.74	136.25	16.75	58.12	9.84	1.15	6.92	0.88	4.51	0.88	2.52	0.46	2.27	0.25	25.27	1.25	8.02	335.67	557.17		1.49
SMDH 00801	66.7	55.46	0.07	21.52	44.13	95.91	11.32	39.87	6.05	1.06	4.54	0.70	3.57	0.72	2.20	0.36	2.38	0.26	18.70	0.89	7.90	304.47	440.33	2.03	
SMDH 00801	58.2	53.18	0.12	14.75	47.39	103.71	11.12	38.60	6.34	1.38	3.97	0.68	2.79	0.54	1.51	0.22	1.34	0.15	19.04	0.69	6.84	301.50	454.20		
SMDH 00801	85.2	54.65	0.16	39.53	43.55	98.84	9.93	38.02	6.37	0.97	5.45	0.85	5.86	1.24	4.42	0.65	4.13	0.47	18.70	0.66	8.61	359.45	604.67		
SMDH 00801	73.7	48.73	0.14	33.85	40.99	90.18	9.83	33.05	5.83	0.96	4.77	0.76	5.09	1.23	3.75	0.55	3.92	0.45	15.53	0.79	7.55	352.42	563.06		1.71
SMDH 00800	80.8	70.59	0.22	23.45	56.59	127.84	14.58	50.73	8.74	1.37	6.58	0.79	4.49	0.90	2.63	0.42	2.68	0.30	22.67	1.68	11.56	520.19	822.06	0.55	
SMDH 00800	56.6	44.83	0.19	19.46	33.42	67.39	8.83	32.01	5.45	1.09	4.77	0.64	3.35	0.69	1.72	0.30	1.65	0.18	9.63	0.83	6.84	313.66	616.28		
SMDH 00800	64.4	52.28	0.16	21.52	44.83	95.42	10.64	37.09	6.38	1.24	5.56	0.65	3.90	0.79	2.16	0.33	2.17	0.25	15.75	1.20	9.08	372.42	655.46		
SMDH 00800	65.5	55.18	0.19	20.07	47.39	96.89	10.91	39.98	6.04	1.16	5.33	0.71	3.57	0.78	2.09	0.30	1.96	0.22	15.19	1.15	7.78	333.24	684.76	2.54	
SMDH 00800	70.6	62.62	0.18	19.95	57.17	119.80	13.32	45.07	8.81	1.33	5.67	0.70	3.53	0.81	2.09	0.28	2.07	0.23	20.63	1.21	8.02	345.94	682.85		
SMDH 00800	84.9	75.07	0.18	24.06	66.60	143.20	15.53	54.54	9.39	1.31	6.58	0.83	4.17	0.83	2.46	0.39	2.58	0.30	24.82	1.26	7.67	333.11	789.30		1.60
SMDH 00800	102.6	94.79	0.27	26.11	83.95	177.32	19.77	69.80	11.89	1.46	7.83	0.87	4.35	0.91	2.96	0.42	2.89	0.33	32.41	1.66	12.97	412.94	819.29		
SMDH 00800	97.1	85.65	0.20	27.81	76.61	159.77	17.76	62.52	10.21	1.38	6.36	0.77	4.61	0.96	3.27	0.45	3.30	0.38	27.65	1.38	8.25	343.64	708.16		
SMDH 00799	177.5	164.87	0.09	46.18	127.61	283.47	34.97	119.25	20.66	1.38	14.30	1.68	8.97	1.56	4.51	0.69	3.82	0.44	62.67	1.95	15.33	642.17	629.29		
SMDH 00799	117.8	99.07	0.11	37.84	75.57	166.72	20.50	70.49	12.95	1.35	8.85	1.25	6.82	1.23	3.65	0.60	3.10	0.35	35.70	1.30	9.91	421.72	696.90		1.48
SMDH 00799	131.8	109.57	0.16	42.07	87.91	192.80	21.41	79.62	13.38	1.59	9.87	1.46	7.09	1.46	3.85	0.54	2.99	0.36	37.85	1.47	10.61	448.33	723.77	1.14	
SMDH 00799	131.6	117.21	0.12	36.63	96.87	217.66	23.87	85.28	15.37	1.60	11.12	1.26	6.80	1.25	3.66	0.51	2.99	0.36	45.11	1.55	10.97	486.42	730.70		1.63
SMDH 00799	109.0	99.26	0.19	28.17	81.97	182.93	19.97	72.92	12.49	1.51	8.51	1.09	5.28	1.03	2.94	0.39	2.17	0.25	38.42	1.14	10.14	420.64	776.64		
SMDH 00799	153.1	138.14	0.21	41.23	112.71	251.42	27.71	101.23	17.82	1.43	12.14	1.42	7.78	1.45	3.50	0.52	3.51	0.41	51.57	1.35	11.56	506.96	782.53		
SMDH 00799	95.6	92.34	0.14	21.16	79.41	174.15	19.24	68.18	12.39	1.37	7.04	0.86	4.06	0.72	1.86	0.22	1.34	0.16	35.70	1.02	11.32	463.05	706.95		
SMDH 00817	102.9	101.45	0.07	21.64	81.39	180.49	21.68	74.30	11.73	1.53	8.17	0.91	4.56	0.81	1.92	0.33	1.65	0.19	36.27	1.37	10.38	454.81	620.97		
SMDH 00817	105.1	106.57	0.13	20.67	86.40	190.24	23.80	77.65	14.19	1.64	8.62	0.90	4.22	0.73	1.91	0.28	1.45	0.17	38.31	1.37	9.43	419.56	646.62	0.27	
SMDH 00817	101.8	89.30	0.15	29.26	73.47	161.60	18.12	65.40	10.89	1.40	7.72	1.02	4.76	0.93	2.57	0.38	2.79	0.33	31.05	1.45	12.97	538.43	756.88	1.60	16.21
SMDH 00817	82.2	71.75	0.16	23.33	57.75	129.55	14.18	52.35	8.38	1.33	6.36	0.88	4.34	0.79	2.44	0.36	2.38	0.27	24.93	1.19	9.67	476.56	680.95		
SMDH 00817	77.2	68.06	0.10	21.28	58.33	119.68	13.50	49.92	8.39	1.33	6.01	0.78	3.85	0.78	2.14	0.29	1.96	0.23	21.65	1.04	8.84	489.67	616.28		
SMDH 00817	163.0	144.28	0.13	47.15	121.68	274.82	29.98	104.23	18.10	1.59	13.28	1.70	8.37	1.61	4.51	0.54	3.20	0.38	45.90	2.17	11.67	537.48	838.36		
SMDH 00817	121.6	111.19	0.10	31.92	97.22	205.96	22.82	81.12	13.73	1.34	10.44	1.25	6.00	1.03	3.01	0.40	2.38	0.33	38.19	3.18	10.85	471.97	722.21		1.66
SMDH 00817	131.0	117.75	0.15	36.63	103.98	217.78	24.71	85.16	14.64	1.30	11.35	1.15	6.72	1.18	3.43	0.48	2.89	0.39	41.03	2.54	10.61	459.95	810.79	0.96	
SMDH 00817	168.1	160.53	0.20	38.93	141.47	300.16	32.82	118.68	20.97	1.50	13.28	1.60	7.45	1.29	3.62	0.44	2.89	0.38	55.76	3.49	10.50	462.92	847.72		
SMDH 00818	124.0	109.27	0.14	36.75	84.53	184.14	23.42	77.31	14.53	1.44	10.78	1.27	7.27	1.31	3.73	0.56	3.61	0.41	35.25	2.00	14.03	609.62	839.92		
SMDH 00818	130.5	101.61	0.20	47.15	78.01	150.51	20.28	71.99	12.10	2.01	10.10	1.46	7.89	1.51	4.68	0.74	4.03	0.47	27.77	1.93	12.26	547.21	1090.94		1.41
SMDH 00818	89.9	59.76	0.22	39.05	44.48	57.77	10.77	41.83	7.69	1.82	7.49	1.04	6.11	1.24	3.43	0.49	3.20	0.43	9.75	0.81	4.36	179.39	1401.42		
SMDH 00818	74.3	49.14	0.16	33.13	40.52	69.34	9.36	34.55	6.37	1.42	5.22	0.72	4.51	1.01	3.31	0.44	2.68	0.36	12.69	0.87	7.78	356.75	1118.85		1.51
SMDH 00818	90.2	66.67	0.17	34.70	53.56	122.60	12.26	48.53	7.86	1.05	5.67	0.76	5.12	1.08	3.49	0.58	3.20	0.44	24.37	1.32	16.16	683.64	1463.31		
SMDH 00818	63.2	27.74	0.23	38.57	14.09	35.34	4.32	16.87	4.27	1.24	4.99	0.77	5.77	1.24	3.78	0.49	3.10	0.41	3.85	0.69	3.66	156.29	1658.68	2.50	
SMDH 00819	99.9	93.01	0.19	26.23	72.42	173.18	20.02	66.91	11.05	0.64	7.83	1.10	4.98	1.00	2.85	0.46	2.38	0.27	41.48	2.48	13.56	621.10	812.87		
SMDH 00819	173.7	145.61	0.13	55.97	112.94	256.29	29.89	104.00	18.79	2.06	12.26	1.73	9.99	1.86	5.16	0.79	4.23	0.49	41.14	2.00	11.09	513.30	784.79		
SMDH 00819	145.4	114.18	0.10	51.38	100.48	169.89	22.35	81.58	12.89	2.20	10.67	1.48	8.77	1.61	4.62	0.62	3.72	0.50	31.05	1.27	6.25	271.78	677.48		
SMDH 00819	121.4	102.88	0.13	37.24	84.42	166.84	20.47	74.88	12.68	1.75	9.08	1.25	6.28	1.12	3.44	0.49	2.79	0.37	30.37	1.19	5.66	241.66	609.00		1.61
SMDH 00819	137.3	123.09	0.16	38.57	103.51	216.20	25.91	88.63	16.00	1.57	11.35	1.42	7.12	1.36	3.78	0.46	3.10	0.41	41.48	1.50	9.55	410.51	635.35		
SMDH 00819	167.2	153.60	0.18	42.80	125.40	271.04	30.90	113.71	17.45	1.71	12.94	1.58	7.41	1.45	4.01	0.55	3.20	0.43	48.17	1.75	11.44	488.72	785.83		
SMDH 00820	105.1	97.44	0.24	27.44	72.31	164.40	20.78	69.80	12.10	0.99	8.17	1.08	5.78	1.04	2.95	0.46	2.68	0.30	34.00	2.13	14.51	602.05	879.27	2.32	
SMDH 00820	43.4	27.37	0.35	19.83	15.14	33.88	4.83	18.03	3.27	1.05	4.09	0.63	3.88	0.78	2.20	0.29	1.86	0.21	4.76	0.44	3.54	154.53	860.72		1.67
SMDH 00820	43.0	23.60	0.34	21.88	11.64	25.23	3.46	15.72	3.32	0.96	3.86	0.64	3.78	0.71	2.31	0.29	1.65	0.22	1.59	0.26	1.65	80.37	804.20	1.07	
SMDH 00820	38.1	20.68	0.28	19.83	9.20	22.55	3.26	13.29	3.15	0.86	3.52	0.56	3.56	0.68	2.15	0.28	1.34	0.18	1.25	0.27	1.30	53.90	685.63		1.71
SMDH 00822	95.3	71.10	0.16	36.27	51.70	111.39	13.64	50.27	8.89	1.56	7.26	1.09	6.10	1.26	3.49	0.62	3.82	0.44	20.29	1.94	10.38	431.72	1009.11		
SMDH 00822	41.1	34.04	0.07	13.66	27.36	65.08	7.29	23.92	4.05	0.73	3.29	0.50	2.33	0.51	1.45	0.22	1.24	0.14	11.56	0.93	5.19	231.66	327.47		
SMDH 00822	98.2	73.16	0.14	37.96	61.48	118.82	14.35	51.42	9.70	1.41	7.94	1.12	6.27	1.29	3.95	0.49	3.10	0.42	20.74	1.53	8.96	416.86	849.10		
SMDH 00822	89.6	76.15	0.11	28.05	64.85	131.50	15.31	55.00	9.58	0.73	7.38	1.01	4.83	1.01	2.92	0.37	2.38	0.31	21.42	1.74	8.61	390.38	634.83		
SMDH 00822	61.3	51.40	0.09	19.58	46.22	87.99	10.52	36.63	7.60	0.82	5.22	0.63	3.62	0.71	1.94	0.29	1.86	0.24	13.60	1.46	5.19	220.45	392.13		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00822	85.8	73.67	0.11	25.15	64.85	128.82	14.44	53.50	9.60	1.40	6.13	0.85	4.87	0.89	2.26	0.38	2.58	0.33	20.85	1.59	7.78	339.86	551.10	1.65	1.42
SMDH 00822	89.9	80.70	0.13	23.21	65.55	132.96	15.11	60.32	9.17	1.14	7.04	0.79	4.48	0.77	2.41	0.31	2.38	0.30	22.33	1.37	7.67	304.34	541.74		
SMDH 00822	83.5	75.01	0.16	22.85	66.25	131.98	15.62	54.66	10.39	1.23	6.58	0.91	3.82	0.80	2.44	0.35	2.38	0.31	23.57	1.37	7.08	298.80	460.78		
SMDH 00822	75.9	65.00	0.17	22.61	56.70	114.80	13.05	46.45	8.74	1.36	6.70	0.84	4.66	0.83	2.19	0.33	2.27	0.29	18.13	1.23	4.48	198.97	817.90		
SMDH 00822	85.8	76.76	0.09	23.21	66.02	133.45	15.47	55.93	9.51	1.31	6.92	0.91	4.46	0.81	2.22	0.35	2.48	0.31	22.44	1.52	7.67	325.68	562.02		1.62
SMDH 00822	112.9	109.72	0.08	23.45	95.94	194.26	21.79	81.93	13.89	1.51	9.99	1.17	4.83	0.85	2.28	0.23	1.65	0.21	33.77	1.47	7.43	317.71	583.52	0.87	
SMDH 00825	77.3	70.61	0.05	20.67	54.03	136.74	14.87	50.50	9.27	0.87	6.58	0.78	4.46	0.80	2.24	0.38	2.17	0.25	29.13	2.93	13.33	575.04	634.83		
SMDH 00825	100.2	84.94	0.15	31.31	68.23	129.43	18.05	60.32	8.09	1.98	7.26	1.07	5.50	1.12	3.00	0.48	3.10	0.35	20.97	1.83	8.84	404.16	651.82	1.74	1.51
SMDH 00825	101.8	89.65	0.17	27.81	79.06	148.80	17.42	66.56	10.87	1.73	7.49	1.01	4.66	0.90	2.37	0.36	2.48	0.32	30.15	2.01	7.67	340.13	667.60		
SMDH 00825	115.4	104.64	0.12	29.98	88.26	180.73	21.06	76.84	14.16	1.79	8.17	1.19	5.55	1.05	2.77	0.40	2.99	0.38	37.63	2.40	7.90	332.57	685.63		
SMDH 00825	132.8	118.73	0.09	36.75	97.92	210.35	24.01	86.67	13.04	1.35	11.01	1.27	6.78	1.23	3.32	0.47	2.68	0.40	43.86	2.77	7.90	339.19	584.73		1.58
SMDH 00825	134.2	113.88	0.12	41.59	91.52	195.84	22.47	83.20	14.60	1.17	10.78	1.43	6.78	1.25	4.16	0.48	3.10	0.45	41.03	2.72	7.90	334.19	688.40		
SMDH 00825	127.0	115.89	0.09	32.40	95.01	198.28	23.05	85.97	14.14	1.73	10.55	1.20	5.67	1.03	3.34	0.47	2.27	0.34	39.44	2.38	8.25	364.85	653.56	0.84	
SMDH 00825	129.2	119.90	0.11	32.16	98.74	208.64	24.62	88.05	14.08	1.81	11.80	1.32	5.90	1.14	3.55	0.41	2.48	0.36	43.18	2.73	8.73	388.08	688.05		
SMDH 00825	98.7	96.06	0.09	20.67	81.16	170.01	19.76	71.41	11.59	1.74	8.62	0.92	3.97	0.70	1.74	0.21	1.45	0.21	33.32	1.90	9.43	414.70	688.05		1.63
SMDH 00825	128.4	112.03	0.12	37.60	91.05	193.04	23.07	81.70	12.66	1.82	9.42	1.09	6.17	1.08	3.78	0.52	2.89	0.42	38.99	1.85	8.73	368.23	745.26		
SMDH 00824	108.8	95.81	0.10	31.80	76.38	168.06	20.03	69.22	10.93	1.27	8.17	1.12	5.44	1.01	3.01	0.47	2.79	0.32	31.73	2.50	13.09	604.62	613.16		
SMDH 00824	102.2	87.22	0.09	32.40	73.35	135.40	18.46	62.40	10.39	1.03	8.06	0.87	5.49	1.10	2.92	0.41	2.89	0.33	27.54	1.79	10.97	479.67	531.51		
SMDH 00824	96.9	75.16	0.09	34.82	56.47	86.28	14.42	54.20	7.68	1.31	7.72	0.98	5.57	1.01	2.96	0.30	1.86	0.27	17.57	0.90	2.83	129.68	297.13		
SMDH 00824	65.1	62.03	0.05	14.27	51.93	113.09	12.46	45.64	7.30	1.23	4.77	0.56	3.36	0.53	1.45	0.15	1.14	0.12	20.29	0.71	5.42	220.05	427.15	1.27	
SMDH 00824	59.5	56.42	0.11	12.94	47.51	99.08	10.82	42.76	6.92	0.99	4.09	0.52	2.33	0.48	1.07	0.16	1.14	0.12	17.79	0.78	7.19	288.13	468.41		1.52
SMDH 00824	98.6	85.84	0.11	28.65	71.38	154.65	17.19	61.94	10.67	1.28	7.04	0.92	5.79	0.93	2.83	0.38	2.58	0.28	27.20	1.19	6.96	296.10	516.95		
SMDH 00824	101.5	98.42	0.09	21.52	99.67	197.06	20.15	73.26	10.70	1.70	6.92	0.87	4.13	0.75	1.80	0.24	1.55	0.16	21.99	0.95	7.67	330.95	528.74		
SMDH 00824	45.1	38.82	0.05	11.97	34.23	69.10	7.38	28.89	4.05	1.68	2.72	0.44	2.11	0.39	1.16	0.17	1.14	0.12	9.63	0.60	7.08	284.34	484.19		
SMDH 00824	67.2	57.95	0.08	19.58	50.18	106.51	11.41	42.29	6.27	1.09	4.88	0.65	3.60	0.69	1.93	0.27	1.65	0.18	17.45	0.80	7.31	299.47	481.59	1.80	1.59
SMDH 00824	108.2	96.47	0.16	28.65	79.64	172.69	18.35	72.22	10.09	1.45	8.06	0.96	4.94	1.00	2.87	0.40	2.79	0.30	29.92	0.92	9.55	403.48	645.93		
SMDH 00824	122.3	107.47	0.14	33.85	89.42	193.53	20.59	79.27	12.14	1.60	9.19	1.09	6.53	1.16	2.96	0.52	3.30	0.36	34.00	1.12	10.50	436.31	645.41		
SMDH 00824	121.8	111.56	0.13	30.71	93.38	197.92	22.00	82.16	12.51	1.57	9.31	1.24	6.16	1.15	2.97	0.45	2.68	0.28	34.68	0.98	10.85	435.90	690.31		
SMDH 00824	116.3	109.43	0.09	27.56	90.00	192.07	22.09	80.89	11.97	1.40	9.65	1.10	5.35	0.89	2.66	0.35	1.96	0.26	35.02	1.18	9.55	399.30	693.08		1.65
SMDH 00824	124.4	113.51	0.16	31.43	91.40	196.45	21.94	84.12	13.00	1.44	9.76	1.27	6.17	1.03	2.67	0.40	2.07	0.28	35.70	1.18	8.96	384.44	666.38	1.06	
SMDH 00824	117.9	102.35	0.16	35.54	86.86	182.56	21.40	72.80	12.91	1.38	9.19	1.38	6.78	1.27	3.36	0.42	2.68	0.37	33.09	1.28	9.20	392.00	647.66		
SMDH 00824	109.7	97.97	0.09	29.62	80.22	171.71	19.52	71.76	12.07	1.61	8.51	1.16	5.54	0.95	2.77	0.41	2.17	0.29	31.73	1.05	7.43	306.63	545.38		
SMDH 00824	132.3	111.67	0.11	40.14	90.00	192.31	21.20	82.39	14.05	1.74	10.78	1.27	6.80	1.47	3.84	0.53	2.99	0.41	36.27	1.24	8.49	367.15	654.42		1.58
SMDH 00824	90.9	79.97	0.10	24.90	67.07	141.73	15.71	58.82	9.42	1.74	7.83	0.92	4.53	0.91	2.52	0.39	2.17	0.30	24.59	1.25	8.02	338.51	571.56		
SMDH 00824	89.2	70.41	0.11	30.95	57.75	123.33	13.82	50.27	8.40	1.65	6.81	1.01	5.32	1.06	2.78	0.42	2.48	0.34	19.72	1.70	7.43	317.30	737.81	1.44	
SMDH 00824	99.1	83.07	0.13	30.95	67.18	141.86	16.46	60.20	10.41	1.55	7.83	0.93	5.48	1.05	2.95	0.45	2.79	0.38	26.75	2.00	7.90	342.97	785.65		
SMDH 00824	120.6	112.42	0.14	28.53	88.72	193.04	21.99	83.55	13.91	1.66	9.87	1.10	5.78	1.02	2.83	0.33	2.07	0.28	39.33	2.41	9.08	373.90	614.90		1.57
SMDH 00823	69.3	60.20	0.16	21.04	48.55	115.78	12.65	43.10	7.43	0.70	5.79	0.75	3.71	0.69	1.99	0.32	2.07	0.22	21.08	1.82	11.09	500.34	455.58		1.23
SMDH 00823	97.5	82.87	0.13	30.22	64.97	145.27	16.69	59.86	10.45	1.05	7.49	0.96	5.36	1.01	2.74	0.41	2.68	0.29	26.41	2.05	16.27	711.20	659.10		
SMDH 00823	207.7	205.00	0.12	44.37	179.19	375.36	43.25	150.34	25.80	1.59	18.73	2.07	9.34	1.61	4.04	0.52	3.30	0.39	77.63	4.20	22.17	1000.94	756.53		
SMDH 00823	196.0	196.09	0.13	39.53	165.57	352.45	41.16	143.64	26.67	1.55	17.82	2.25	9.04	1.49	3.35	0.42	2.89	0.34	75.71	3.50	9.91	452.79	602.94		
SMDH 00823	22.2	16.00	0.13	8.10	13.16	18.16	3.10	11.32	1.58	1.21	1.48	0.20	1.39	0.24	0.78	0.10	0.62	0.07	2.61	0.44	4.36	181.68	427.50	2.46	
SMDH 00823	52.0	40.53	0.20	18.62	30.04	62.15	8.02	28.66	5.27	0.89	4.88	0.64	3.21	0.68	1.65	0.23	1.34	0.16	8.95	0.86	2.95	122.65	665.00		1.49
SMDH 00823	11.5	7.66	0.09	4.35	6.75	18.16	1.37	5.32	0.85	0.85	0.91	0.14	0.83	0.15	0.57	0.06	0.41	0.05	1.81	0.25	1.89	91.72	328.69		
SMDH 00823	8.5	5.88	0.13	3.26	5.59	9.87	1.34	4.04	0.80	0.71	0.57	0.09	0.41	0.11	0.30	0.03	0.31	0.04	0.57	0.35	7.67	350.53	330.94		
SMDH 00823	35.4	21.38	0.27	16.93	14.32	26.69	3.92	14.10	3.14	1.02	3.29	0.46	2.91	0.66	1.71	0.23	1.76	0.20	2.72	0.47	4.25	184.38	745.96		
SMDH 00823	31.8	17.51	0.31	16.56	10.48	17.31	3.16	11.21	3.06	0.89	3.18	0.50	2.64	0.54	1.59	0.22	1.14	0.14	0.91	0.28	1.65	53.09	509.67	2.84	1.59
SMDH 00809	67.3	60.15	0.08	18.62	45.99	114.31	12.10	44.14	7.17	0.67	5.11	0.67	3.25	0.57	1.92	0.27	1.65	0.18	21.65	2.00	13.80	615.29	341.86	0.25	
SMDH 00809	86.5	70.79	0.16	29.01	56.82	117.60	14.38	50.50	8.83	1.06	6.36	0.90	5.02	0.99	2.79	0.47	2.48	0.27	23.46	1.96	15.45	696.88	664.65		
SMDH 00809	91.7	69.19	0.20	34.70	55.54	79.95	13.66	48.88	9.74	1.47	7.15	1.00	5.65	1.11	3.04	0.41	2.79	0.33	17.00	1.38	10.02	414.16	851.70		
SMDH 00809	62.7	32.15	0.31	34.45	16.53	35.83	5.47	20.11	5.32	1.54	4.99	0.83	5.75	1.26	3.77	0.50	3.51	0.41	5.21	0.67	3.54	142.37	1378.88		
SMDH 00809	48.7	27.07	0.38	24.66	14.90	30.71	4.51	16.64	4.66	1.47	4.54	0.77	5.16	0.91	2.36	0.34	2.07	0.24	2.49	0.32	3.07	138.05	1483.59		
SMDH 00809	48.3	23.62	0.28	26.72	10.25	22.18	3.39	15.02	4.31	1.37	4.31	0.72	4.49	0.89	2.58	0.36	2.48	0.29	2.04	0.51	2.59	114.14	1193.39		1.79
SMDH 00808	48.9	46.07	0.02	11.85	36.33	87.75	9.51	33.74	5.47	0.45	4.09	0.42	2.40	0.46	1.26	0.14	1.24	0.14	17.91	1.61	9.08	409.02	294.19		1.79
SMDH 00808	91.5	80.13	0.13	25.63	58.45	153.56	15.54	58.12	10.80	1.30	7.04	0.99	5.48	1.01	2.71	0.44	2.58	0.29	22.44	2.17	8.14	372.55	415.88		
SMDH 00808	60.8	50.28	0.12	19.95	42.73	80.80	10.20	36.52	7.07	0.76	4.54	0.62	2.94	0.65	1.59	0.23	1.65	0.19	16.89	1.20	6.01	243.41	365.96	2.17	
SMDH 00808	105.2	95.52	0.16	27.93	73.94	156.48	19.24	70.26	12.64	0.96	7.60	1.01	5.02	1.02	2.66	0.42	2.68	0.31	34.11	1.83	4.01	182.09	386.59		
SMDH 00808	70.2	64.04	0.10	18.13	54.38	111.15	13.35	46.68	8.26	1.35	5.45	0.61	3.40	0.62	1.75	0.27	1.76	0.20	20.40	1.48	6.96	270.57	457.49		
SMDH 00808	84.9	73.08	0.14	25.87	58.92	121.87	15.35	52.46	9.59	1.33	6.36	0.75	4.53	0.89	2.64	0.39	2.58	0.29	23.01	1.29	5.31	225.72	354.86		1.43
SMDH 00808	78.1	64.43	0.08	26.23	53.68	112.97	13.82	45.30	8.35	1.23	5.56	0.73	4.58	0.89	3.01	0.45	2.99	0.35	21.42	1.27	6.96	281.24	392.48		
SMDH 00807	92.5	82.98	0.09	25.03	66.14	147.22	16.50	61.36	9.66	0.99	7.04	0.94	4.17	0.90	2.27	0.33	2.27	0.24	28.67	2.30	17.81	803.59	448.13		
SMDH 00807																								S.N.R.	
SMDH 00807	144.2	142.71	0.13	30.71	121.44	269.58	30.37	104.58	17.79	1.12	12.26	1.37	6.39	1.07	3.03	0.38	2.79	0.32	53.49	3.68	21.46	928.00	486.09	1.13	
SMDH 00807	178.2	178.80	0.16	35.54	155.44	343.92	37.44	131.73	23.27	1.28	16.11	1.74	7.88	1.26	3.10	0.40	2.48	0.28	69.93	3.38	12.85	568.15	586.29		
SMDH 00807	139.9	119.47	0.21	42.80	96.76	206.69	23.68	86.44	13.84	1.31	10.78	1.41	7.93	1.48	4.01	0.59	4.13	0.47	39.67	1.84	13.68	565.58	781.67		1.48
SMDH 00807	132.5	114.03	0.19	41.10	95.36	200.60	23.97	81.47	15.23	1.37	10.10	1.26	7.32	1.45	3.76	0.49	2.99	0.34	38.08	2.12	7.67	331.22	642.81		
SMDH 00807	133.3	109.32	0.14	45.34	92.80	194.14	22.94	76.96	12.50	1.57	9.76	1.47	7.96	1.63	3.93	0.59	3.51	0.40	37.06	2.08	8.14	366.61	715.97		
SMDH 00807	142.0	116.22	0.16	47.63	92.22	196.58	23.55	83.55	15.19	1.70	9.99	1.41	7.71	1.61	4.44	0.56	3.72	0.42	37.63	2.37	10.97	496.96	739.19	1.34	
SMDH 00807	155.0	125.37	0.20	53.92	102.23	216.56	25.64	88.63	14.82	1.35	10.10	1.51	9.59	1.88	5.02	0.69	4.54	0.52	40.80	2.73	14.27	615.29	819.29		1.50
SMDH 00807	150.7	122.49	0.17	51.14	99.32	212.17	24.42	87.82	15.61	1.53	10.78	1.46	8.79	1.76	4.55	0.62	4.03	0.46	39.78	2.58	11.20	501.96	736.94		
SMDH 00807	148.0	123.56	0.15	47.75	101.65	218.27	24.73	88.05	13.65	1.46	11.46	1.62	9.16	1.72	4.31	0.60	3.82	0.43	41.93	2.69	9.43	401.59	774.91		
SMDH 00807	154.1	128.41	0.21	50.41	103.74	223.39	26.32	91.87	15.73	1.56	11.35	1.47	8.76	1.68	4.29	0.58	3.92	0.43	41.71	3.03	10.02	418.48	791.55		
SMDH 00807	152.1	125.49	0.21	51.02	104.91	216.68	25.91	89.44	13.75	1.52	10.21	1.55	8.59	1.73	4.84	0.67	4.23	0.47	41.71	2.56	13.56	551.26	916.89	1.82	1.72
SMDH 00807	138.1	115.44	0.19	44.85	96.29	201.94	23.76	82.62	13.80	1.52	9.87	1.17	7.89	1.51	4.12	0.62	3.51	0.39	37.97	2.08	10.85	470.08	865.57		
SMDH 00807	101.0	81.46	0.13	34.70	66.37	138.08	16.35	59.05	8.50	1.15	7.04	0.91	5.16	1.12	3.04	0.49	2.89	0.32	26.41	0.92	7.08	308.52	498.06		
SMDH 00806	93.8	82.99	0.11	26.96	67.65	156.85	17.08	59.51	10.84	0.96	8.06	1.04	5.35	0.91	2.59	0.36	2.48	0.28	29.81	2.38	17.92	761.31	643.33		1.44

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00806	114.7	103.53	0.07	32.04	83.60	185.36	22.12	73.96	12.04	1.26	9.31	1.24	6.21	1.14	3.13	0.48	3.20	0.35	35.59	2.75	15.80	711.74	649.92		
SMDH 00806	119.9	99.24	0.20	39.77	84.53	172.69	20.61	70.84	11.88	1.52	9.31	1.27	6.51	1.39	3.80	0.55	3.41	0.37	32.41	2.28	13.68	583.41	997.32		
SMDH 00806	120.8	94.37	0.16	45.09	81.27	162.70	20.37	65.17	11.97	1.74	9.65	1.30	7.52	1.47	3.97	0.71	3.82	0.42	29.13	1.86	13.09	547.48	786.17		1.55
SMDH 00806	116.6	98.70	0.14	36.99	83.72	176.35	20.11	71.76	12.80	1.05	9.08	1.04	5.79	1.14	3.57	0.52	2.79	0.31	34.79	2.20	15.33	655.14	595.14	1.82	
SMDH 00806	159.9	153.97	0.16	37.11	126.91	275.30	32.42	113.01	19.72	1.23	13.50	1.49	7.05	1.34	3.48	0.49	2.99	0.33	56.89	3.27	24.65	1027.42	642.98		
SMDH 00816	121.0	101.45	0.13	39.29	82.90	179.64	20.89	71.76	14.27	1.12	9.53	1.29	7.51	1.35	3.89	0.63	4.03	0.46	37.97	2.83	18.99	864.65	691.17		
SMDH 00816	103.6	89.74	0.05	30.95	71.03	150.39	18.08	64.83	10.77	0.99	7.83	1.06	5.77	1.18	3.23	0.50	2.89	0.33	30.71	2.33	14.86	679.32	590.63		
SMDH 00816	73.4	64.66	0.12	20.91	53.44	112.97	13.01	47.03	7.36	0.86	5.79	0.77	3.85	0.79	2.30	0.32	2.17	0.28	21.76	1.58	8.25	379.44	358.33		
SMDH 00816	154.7	139.17	0.16	41.83	115.50	239.47	27.77	101.80	16.90	1.44	12.48	1.42	8.18	1.51	4.35	0.51	3.92	0.51	50.77	2.04	16.04	671.08	738.33		1.57
SMDH 00816	102.3	84.03	0.14	34.09	67.65	146.61	17.06	59.74	11.19	1.20	8.28	1.09	6.14	1.33	3.50	0.50	3.41	0.44	25.73	1.88	11.09	457.65	609.87		
SMDH 00816	102.9	83.96	0.14	35.06	66.02	142.22	17.22	59.28	10.42	1.14	8.97	1.06	6.41	1.15	3.39	0.54	3.30	0.43	26.18	1.42	7.55	339.46	592.19	1.91	
SMDH 00816	81.5	76.82	0.07	18.01	62.29	130.40	14.99	56.97	8.82	1.64	6.92	0.81	4.05	0.66	1.65	0.21	1.34	0.17	23.12	0.69	8.73	373.36	594.09		
SMDH 00816	51.9	55.10	0.11	7.62	51.70	101.15	12.29	40.56	7.66	1.43	4.43	0.44	1.82	0.27	0.67	0.07	0.52	0.07	19.83	0.84	12.97	551.94	911.86		1.56
SMDH 00816	137.9	132.95	0.10	30.83	115.39	237.28	27.68	97.99	15.06	1.85	10.78	1.19	6.08	1.15	3.05	0.50	2.99	0.38	45.11	1.58	15.45	661.76	700.71		
SMDH 00816	137.9	132.95	0.10	30.83	115.39	237.28	27.68	97.99	15.06	1.85	10.78	1.19	6.08	1.15	3.05	0.50	2.99	0.38	45.11	1.58	15.45	661.76	700.71		
SMDH 00815	78.8	56.10	0.14	32.64	44.71	94.33	11.08	38.94	6.76	1.15	6.36	0.92	5.16	0.99	3.08	0.50	3.30	0.37	18.81	1.59	7.31	344.86	917.93	0.51	1.44
SMDH 00815	58.9	47.78	0.09	19.46	37.03	82.99	9.20	34.67	6.35	0.85	4.54	0.55	3.36	0.66	2.12	0.27	2.07	0.23	16.66	1.37	6.84	295.15	448.13		
SMDH 00815	98.1	86.23	0.13	27.93	72.77	151.00	17.35	62.86	9.95	1.31	7.04	0.94	5.08	0.91	2.88	0.39	2.68	0.34	29.35	1.59	8.25	347.02	592.71		
SMDH 00815	95.1	74.58	0.10	34.09	64.39	127.60	15.02	52.92	10.06	1.49	6.92	0.90	5.74	1.25	4.22	0.57	3.51	0.45	23.69	1.74	10.38	463.46	718.74	2.03	
SMDH 00815	151.2	129.59	0.13	47.51	112.71	219.49	27.65	91.87	18.57	1.75	12.37	1.57	8.50	1.71	4.40	0.74	4.65	0.59	44.88	3.25	19.93	807.37	793.28		1.52
SMDH 00815	108.4	85.01	0.12	39.41	73.82	140.27	17.46	59.63	9.51	1.46	8.06	1.06	6.87	1.34	3.89	0.60	3.72	0.48	28.56	1.94	14.39	621.37	730.70		
SMDH 00815	62.7	50.61	0.07	21.64	44.25	87.62	10.38	35.71	6.63	0.88	4.77	0.63	3.88	0.81	2.25	0.37	2.38	0.31	17.68	1.12	5.66	235.31	468.58		
SMDH 00815	219.4	193.25	0.11	64.32	167.32	326.98	39.69	140.17	25.18	1.54	16.91	2.21	11.17	2.25	7.30	1.02	6.71	0.87	69.59	4.42	38.44	1584.49	867.83		
SMDH 00815	205.1	192.81	0.09	52.95	173.84	344.65	42.30	138.78	24.58	1.66	17.02	1.96	9.77	1.86	5.38	0.76	4.75	0.61	74.80	4.30	39.98	1650.68	767.11	1.94	1.27
SMDH 00815	128.5	110.62	0.09	39.77	96.06	188.41	23.31	78.81	13.75	1.46	9.87	1.32	7.18	1.45	4.31	0.63	3.82	0.49	40.23	1.98	14.51	649.46	631.19		
SMDH 00815	136.4	113.99	0.14	44.01	92.45	191.82	23.08	82.04	14.94	1.46	10.67	1.25	7.61	1.50	4.61	0.80	4.44	0.62	37.17	1.87	13.33	603.40	806.63		
SMDH 00815	144.7	118.21	0.14	49.57	99.32	205.59	25.00	83.32	15.67	1.91	9.53	1.41	8.49	1.62	5.19	0.79	5.16	0.72	41.03	1.84	15.33	679.86	816.69		
SMDH 00815	144.7	118.21	0.14	49.57	99.32	205.59	25.00	83.32	15.67	1.91	9.53	1.41	8.49	1.62	5.19	0.79	5.16	0.72	41.03	1.84	15.33	679.86	816.69		
SMDH 00814	82.1	67.57	0.17	27.44	53.91	119.55	13.85	48.07	7.65	0.90	6.58	0.80	4.84	0.88	2.79	0.45	2.58	0.29	24.03	1.80	10.61	469.81	742.49		1.49
SMDH 00814	56.3	43.36	0.10	21.16	33.30	74.34	8.89	30.04	5.54	0.71	4.54	0.63	3.80	0.77	2.01	0.32	2.17	0.25	15.64	1.22	6.25	263.27	518.86		
SMDH 00814	57.0	51.51	0.05	15.35	44.48	89.09	10.53	37.67	5.85	0.69	4.43	0.52	2.80	0.54	1.63	0.25	1.45	0.20	18.70	1.38	4.95	222.07	325.22		1.67
SMDH 00814	127.7	122.97	0.07	29.50	107.70	213.76	25.94	89.56	17.51	1.15	9.99	1.17	6.30	1.08	2.85	0.47	2.58	0.36	45.33	2.28	6.01	267.73	421.26	1.90	
SMDH 00814	145.1	122.17	0.09	45.82	108.63	212.78	24.43	88.05	15.79	1.59	10.55	1.34	8.35	1.48	4.80	0.71	3.82	0.53	39.78	1.70	13.21	606.64	749.94		
SMDH 00814	83.2	83.73	0.04	16.08	78.24	157.82	18.26	61.24	10.76	1.61	5.56	0.76	3.46	0.55	1.48	0.15	0.93	0.14	26.97	1.44	10.50	445.76	567.57		
SMDH 00814	129.7	116.75	0.14	36.39	104.79	222.41	25.01	83.55	12.82	1.55	9.31	1.19	7.00	1.15	3.48	0.64	3.41	0.47	41.59	1.51	11.91	529.92	756.01		1.63
SMDH 00814	154.6	133.37	0.08	47.27	116.20	249.10	27.96	95.56	16.50	1.90	10.44	1.49	8.36	1.51	5.01	0.71	4.03	0.57	47.03	1.77	11.56	523.57	725.15		
SMDH 00814	148.9	118.88	0.09	53.31	102.81	207.54	25.02	83.66	14.13	1.70	10.10	1.29	8.91	1.80	5.93	0.83	5.06	0.70	37.97	1.72	14.98	660.95	749.77	0.78	
SMDH 00814	204.6	172.63	0.14	66.49	153.35	310.04	36.12	123.30	20.47	1.64	13.39	1.73	11.49	2.22	6.44	1.07	6.09	0.85	62.33	2.40	11.67	505.20	798.48		
SMDH 00814	235.3	203.78	0.13	72.42	184.43	368.29	42.97	146.41	22.35	2.06	14.87	2.01	12.40	2.25	7.57	1.18	6.30	0.88	69.47	2.81	11.67	492.37	981.55		1.52
SMDH 00814	114.1	103.37	0.08	30.59	96.87	187.56	21.88	74.76	11.38	2.01	7.72	0.81	5.91	1.15	3.47	0.50	3.30	0.45	34.11	1.05	8.73	394.84	574.16		
SMDH 00813	96.4	79.25	0.08	32.40	68.35	142.83	16.40	56.39	9.40	1.15	6.47	1.04	5.42	1.03	2.98	0.45	2.79	0.36	25.84	1.88	10.61	461.43	551.62		1.56
SMDH 00813	123.9	103.66	0.13	39.53	84.18	171.84	20.44	75.11	12.16	1.11	9.31	1.22	6.89	1.33	4.39	0.64	3.92	0.51	32.30	2.17	11.32	504.79	799.35	1.61	
SMDH 00813	94.8	81.17	0.09	29.14	70.79	142.47	16.53	57.89	10.59	1.06	7.49	0.95	5.79	0.93	2.93	0.48	2.79	0.38	28.79	1.83	9.20	409.29	535.15		
SMDH 00813	72.6	64.44	0.05	20.43	56.12	116.26	13.14	46.68	8.51	0.84	5.67	0.67	3.95	0.69	1.88	0.34	1.96	0.28	23.80	1.47	7.55	327.84	356.42	1.48	
SMDH 00813	59.2	49.31	0.07	19.58	43.66	85.55	10.64	34.32	6.14	0.89	4.54	0.55	3.81	0.72	2.00	0.34	1.76	0.24	17.11	0.87	4.60	195.19	419.70		1.49
SMDH 00813	106.5	93.05	0.06	31.67	77.08	159.77	19.59	66.44	11.30	1.32	8.06	0.93	6.09	1.02	3.45	0.57	3.10	0.43	32.41	1.46	9.79	442.39	544.69		
SMDH 00813	128.6	111.65	0.06	38.57	94.08	193.77	23.07	81.24	14.00	1.46	8.40	1.16	6.18	1.36	4.06	0.69	3.72	0.51	42.73	2.25	12.38	537.35	611.43		
SMDH 00813	155.4	125.87	0.20	54.16	104.56	215.10	26.20	89.67	16.86	1.55	10.67	1.37	8.63	1.85	6.22	1.03	6.09	0.85	49.64	2.73	11.09	494.93	785.65		
SMDH 00813	113.3	92.23	0.10	38.57	74.98	163.31	19.41	65.87	12.22	1.88	7.04	1.03	5.93	1.28	4.10	0.76	4.03	0.58	37.40	1.86	10.50	505.06	640.90	1.94	1.55
SMDH 00813	103.1	89.58	0.11	30.59	73.82	160.99	18.56	64.60	13.38	1.53	7.26	0.94	5.48	1.05	3.44	0.53	3.20	0.47	34.68	1.72	10.26	463.46	583.52		
SMDH 00813	122.6	104.87	0.15	36.87	80.92	176.71	20.91	76.38	12.70	1.76	8.74	1.15	6.43	1.24	4.13	0.58	3.30	0.48	37.40	2.33	11.44	531.81	718.57		
SMDH 00812	147.7	120.89	0.13	50.17	102.35	204.01	24.62	86.67	13.74	1.30	10.89	1.46	8.15	1.64	5.32	0.84	4.54	0.59	40.46	2.87	22.29	962.72	861.24		
SMDH 00812	155.9	140.79	0.10	42.92	124.00	249.10	28.86	103.08	17.19	1.05	12.26	1.55	7.30	1.51	4.49	0.55	3.92	0.51	49.53	3.04	22.76	976.49	566.36		
SMDH 00812	161.6	149.64	0.13	40.14	121.79	263.24	29.88	110.24	19.95	1.74	12.48	1.50	8.02	1.48	3.98	0.63	3.41	0.49	55.19	2.81	14.39	691.20	668.12		
SMDH 00812	149.2	136.96	0.16	38.81	113.18	244.59	28.45	99.96	19.80	1.90	11.58	1.41	7.14	1.34	4.35	0.64	3.51	0.51	50.77	2.43	10.02	455.08	665.17		1.49
SMDH 00812	140.4	130.80	0.09	34.33	104.56	225.09	26.53	96.84	17.26	1.74	10.89	1.15	6.29	1.12	3.99	0.60	3.72	0.54	50.77	2.24	9.08	442.12	635.70	1.37	
SMDH 00812	170.0	166.37	0.12	36.27	135.30	293.83	34.21	123.88	24.49	1.55	13.05	1.40	6.88	1.22	3.91	0.66	3.82	0.56	63.92	2.72	12.85	598.13	789.99		
SMDH 00812	169.0	156.97	0.11	44.01	128.78	279.81	33.55	113.36	22.24	1.62	13.28	1.47	8.59	1.48	4.33	0.63	3.41	0.49	59.95	3.12	11.44	522.89	777.33		
SMDH 00812	100.1	88.28	0.12	28.29	73.47	155.99	18.18	63.56	13.10	1.75	7.94	0.95	5.59	0.92	2.60	0.38	2.27	0.34	30.83	1.56	7.19	329.87	561.85		1.65
SMDH 00812	141.5	121.24	0.08	43.88	105.49	221.44	25.14	87.48	14.51	1.54	9.99	1.22	7.40	1.37	3.61	0.57	4.13	0.56	39.21	2.30	11.44	539.91	839.74		
SMDH 00811	121.5	104.83	0.13	37.48	93.73	189.14	22.05	75.00	14.05	1.22	9.76	1.26	6.53	1.25	3.72	0.54	3.51	0.44	36.83	2.55	16.39	672.29	694.64		1.48
SMDH 00811	110.3	99.10	0.10	30.95	87.79	175.00	21.19	71.07	11.46	1.40	8.74	1.12	5.72	1.08	3.11	0.49	2.99	0.38	33.43	2.28	12.26	526.00	651.48	1.43	1.00
SMDH 00811	21.3	12.09	0.05	10.40	11.06	21.69	2.30	8.32	1.25	1.14	1.13	0.20	1.28	0.37	1.16	0.18	1.55	0.21	2.83	0.45	7.19	323.65	675.57	1.31	
SMDH 00811	30.5	21.67	0.05	11.73	20.96	44.48	4.63	14.91	2.81	1.69	2.04	0.28	1.86	0.44	1.18	0.17	1.24	0.16	6.57	0.49	5.31	228.69	634.66		
SMDH 00811	48.5	34.36	0.08	19.22	31.32	70.44	6.89	23.80	3.89	1.79	2.84	0.50	3.16	0.66	1.91	0.31	2.17	0.29	11.22	0.47	2.59	115.36	467.20		1.60
SMDH 00811	50.0	36.75	0.09	18.86	35.40	74.95	7.83	25.54	4.55	2.23	3.18	0.46	2.92	0.61	1.59	0.25	1.76	0.24	12.24	0.59	2.59	117.25	488.17		
SMDH 00811	64.2	44.92	0.08	26.35	40.40	83.36	9.46	30.97	5.23	2.38	4.31	0.60	3.90	0.81	2.40	0.33	2.68	0.36	13.71	0.56	3.18	157.23	398.55		
SMDH 00811	117.1	93.32	0.13	41.23	84.53	177.69	18.83	66.68	10.64	1.40	8.85	1.24	6.58	1.35	3.90	0.57	4.65	0.63	30.03	1.97	5.78	254.63	869.91	0.67	
SMDH 00811	127.1	100.92	0.12	44.97	88.26	185.73	20.26	71.88	12.18	1.43	10.10	1.33	7.45	1.40	4.40	0.62	4.75	0.64	34.00	2.17	8.49	386.73	861.24		1.49
SMDH 00810	195.8	179.84	0.13	51.14	160.10	317.35	37.04	131.96	21.02	1.87	15.21	1.97	8.86	1.79	5.16	0.77	4.03	0.52	60.18	3.89	17.69	737.27	685.28	1.15	
SMDH 00810	106.1	93.13	0.15	29.98	81.39	160.99	18.32	69.10	11.12	1.30	8.06	1.02	4.68	1.03	3.62	0.50	3.30	0.42	29.69	1.85	9.55	410.91	635.53		
SMDH 00810	114.9	69.16	0.23	58.27	56.47	126.38	13.81	46.11	9.54	1.26	7.60	1.14	8.11	1.95	7.19	1.40	9.09	1.04	24.03	1.72	5.78	251.25	716.31		
SMDH 00810	143.7	103.56	0.21	59.48	81.85	172.32	20.58	71.88	13.81	1.25	10.55	1.60	9.51	2.07	6.39	1.18	6.92	0.79	34.11	2.33	6.96	303.39	927.81		
SMDH 00810	274.5	266.56	0.25	61.66	228.45	473.22	55.92	194.83	32.85	2.22	22.70	2.91	12.89	2.17	5.92	0.93	5.47	0.62	94.29	5.81	9.08	390.25	1342.65		
SMDH 00810	122.2	95.07	0.11	45.58	81.16	168.06	19.48	68.29	12.08	1.05	8.06	1.16	6.14	1.58	5.50	1.19	7.23	0.84	31.96	2.17	9.79	398.62	740.24	4.63	1.61
SMDH 00810	100.4	66.46	0.17	47.03	55.07	113.09	13.70	45.64	8.44	0.57	6.36	1.06	6.06	1.81	5.73	1.18	6.51	0.74	20.29	1.80	9.43	421.99	568.26		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm³
SMDH 00810	172.6	99.67	0.31	92.12	79.06	162.57	20.00	66.21	11.78	0.85	8.97	1.48	11.97	3.27	11.97	2.59	16.52	1.89	29.58	2.60	10.38	432.39	662.92		
SMDH 00810	132.4	113.28	0.14	41.95	95.59	195.72	23.85	80.54	13.98	0.98	10.10	1.54	7.35	1.51	4.48	0.85	4.65	0.53	37.97	3.43	10.38	432.53	608.31		
SMDH 00794	122.8	97.76	0.11	43.16	84.30	176.59	19.42	70.14	13.70	1.28	9.19	1.29	6.91	1.39	4.54	0.66	4.54	0.63	35.25	2.78	20.64	914.49	875.11		1.00
SMDH 00794	179.2	142.23	0.14	63.11	118.53	243.62	28.06	101.46	17.37	1.90	13.05	1.81	10.90	2.04	6.66	0.82	6.51	0.91	46.81	3.29	27.71	1194.51	987.96		
SMDH 00794	128.7	103.86	0.19	44.49	83.72	179.64	20.93	74.07	11.96	1.23	9.65	1.24	7.62	1.57	4.21	0.65	4.34	0.50	35.47	2.35	19.93	847.76	878.23		1.43
SMDH 00794	129.1	112.86	0.11	36.99	92.10	188.17	22.24	82.04	13.46	1.50	9.76	1.32	7.26	1.34	3.22	0.66	3.82	0.42	35.93	2.26	17.34	700.52	746.65	1.46	
SMDH 00794	113.4	87.57	0.14	41.95	71.38	151.61	17.65	62.05	11.35	1.54	8.17	1.16	6.71	1.46	4.08	0.72	4.23	0.47	27.65	1.80	16.16	649.73	973.57		
SMDH 00794	132.9	110.89	0.13	43.64	93.03	192.68	23.00	78.92	14.11	1.36	8.97	1.31	7.66	1.45	4.07	0.66	3.92	0.44	37.97	2.21	21.46	871.54	939.77		
SMDH 00794	138.8	113.06	0.12	47.39	96.87	186.95	23.25	80.77	14.03	1.56	9.87	1.43	7.60	1.50	4.11	0.70	3.82	0.42	36.95	2.21	21.11	835.88	831.07		1.44
SMDH 00794	202.3	199.29	0.13	43.28	162.43	340.38	41.60	146.18	24.94	1.37	16.57	1.91	9.61	1.71	4.05	0.73	3.82	0.42	72.65	3.21	6.84	288.40	467.89		
SMDH 00794	148.2	143.14	0.11	34.21	122.96	254.22	30.30	104.23	17.42	1.13	13.05	1.48	7.14	1.31	3.14	0.53	3.30	0.37	55.99	2.44	4.25	173.85	394.21	26.09	
SMDH 00779	92.6	77.62	0.10	29.38	67.88	138.69	15.25	56.62	10.52	0.82	7.15	1.00	4.75	0.94	2.97	0.36	2.89	0.39	28.67	2.00	12.97	580.17	519.55		
SMDH 00779	120.3	100.06	0.10	39.05	83.95	175.25	19.94	71.88	12.29	1.16	9.31	1.26	6.98	1.17	3.78	0.50	3.92	0.54	35.36	2.43	17.22	789.00	668.29	1.20	
SMDH 00779	128.8	116.50	0.12	35.66	98.62	205.96	24.41	83.89	14.45	1.06	10.33	1.27	6.92	1.28	3.11	0.56	3.10	0.35	42.05	2.89	20.28	860.19	544.51		
SMDH 00779	117.2	90.38	0.07	44.25	76.27	154.77	18.71	63.44	12.52	1.27	9.19	1.27	6.96	1.45	4.56	0.80	4.13	0.45	32.41	2.19	12.26	509.79	663.61		1.52
SMDH 00779	114.8	100.56	0.13	33.73	83.72	169.28	20.65	72.68	13.14	1.17	8.85	1.18	6.05	1.15	3.13	0.49	2.89	0.32	34.57	2.25	12.74	548.29	709.72		
SMDH 00779	117.3	112.11	0.08	28.65	98.85	200.84	24.32	81.58	13.97	0.85	9.31	1.10	5.10	1.02	2.74	0.44	3.61	0.40	37.51	2.36	12.38	507.50	501.70		
SMDH 00779	65.2	59.58	0.10	16.93	50.30	101.40	12.26	43.45	7.00	0.92	5.11	0.72	3.14	0.58	1.51	0.23	1.55	0.17	17.23	1.71	9.32	417.67	476.56	0.89	
SMDH 00779	86.5	59.98	0.15	38.44	49.25	100.30	12.56	40.91	8.23	0.59	5.56	0.95	5.56	1.25	3.97	0.70	4.34	0.48	17.57	2.15	9.79	444.41	509.84		1.52
SMDH 00779	103.9	73.50	0.15	44.01	60.66	124.19	14.50	51.42	8.72	0.95	7.83	1.12	6.45	1.50	4.24	0.70	4.34	0.48	21.65	2.64	9.55	421.85	641.42		
SMDH 00779	94.0	68.07	0.09	38.08	55.77	113.58	13.02	47.49	8.78	0.87	6.81	0.94	6.61	1.27	3.76	0.68	3.72	0.42	19.61	2.28	8.84	388.76	655.29		
SMDH 00779	111.5	77.33	0.21	48.00	61.94	124.92	15.22	52.92	9.93	1.38	8.40	1.26	7.92	1.62	4.60	0.69	4.54	0.50	21.19	2.35	7.08	319.46	842.34		
SMDH 00779	118.0	63.58	0.28	63.35	36.56	79.58	10.24	40.44	8.06	1.32	9.08	1.84	11.06	2.11	6.33	1.01	6.51	0.73	10.31	1.88	6.01	273.94	1677.23	0.80	1.63
SMDH 00779	78.7	64.44	0.08	25.87	54.72	110.90	12.56	46.45	7.09	0.93	5.67	0.83	4.59	0.94	2.46	0.46	3.10	0.35	19.49	1.98	8.49	379.84	547.64		
SMDH 00779	64.6	62.21	0.07	13.66	53.68	111.39	12.60	46.11	8.66	1.37	5.22	0.61	2.90	0.49	1.44	0.20	1.65	0.18	19.15	1.23	9.20	413.48	512.62		
SMDH 00779	90.7	74.16	0.12	30.59	63.34	129.06	15.03	52.69	9.59	0.99	6.81	0.93	5.50	1.10	3.11	0.49	3.51	0.39	20.63	1.79	10.02	460.22	555.61		
SMDH 00779	75.0	66.33	0.20	22.12	61.94	125.53	14.64	47.49	8.15	1.17	6.24	0.69	3.51	0.79	1.99	0.39	2.17	0.24	21.76	1.26	9.55	432.12	468.06		1.54
SMDH 00779	50.6	50.12	0.15	10.28	42.85	90.67	10.48	36.98	5.59	0.74	4.54	0.50	2.15	0.37	0.95	0.12	0.93	0.10	16.09	1.15	11.32	510.20	495.28	0.56	
SMDH 00780t	120.6	95.78	0.16	42.68	81.62	167.21	19.26	67.95	12.73	1.42	8.51	1.34	7.22	1.30	4.45	0.51	3.72	0.51	31.51	2.36	15.57	734.84	872.33		1.45
SMDH 00780t	135.8	121.41	0.06	37.60	103.63	215.95	24.17	89.44	14.80	0.98	10.55	1.38	6.43	1.19	3.53	0.48	3.20	0.45	42.27	2.73	18.40	825.47	537.93		
SMDH 00780t	114.4	99.23	0.11	33.85	83.02	172.69	19.99	72.45	12.30	1.27	8.17	1.03	5.76	1.17	2.85	0.57	3.30	0.36	33.09	1.81	7.67	355.53	670.89		
SMDH 00780t	40.8	44.68	0.10	4.96	43.66	87.38	10.23	32.82	6.14	1.44	3.18	0.34	1.29	0.18	0.51	0.03	0.21	0.03	17.00	0.79	6.25	289.88	553.36		
SMDH 00780t	41.6	42.99	0.09	5.80	38.77	79.95	8.83	32.36	5.48	1.62	2.61	0.32	1.49	0.19	0.42	0.06	0.52	0.05	15.30	0.57	5.90	263.27	471.88		1.67
SMDH 00780t	73.5	74.97	0.09	13.30	66.02	137.23	16.11	55.24	8.74	1.38	6.24	0.69	2.94	0.45	1.23	0.22	1.24	0.14	26.29	1.49	9.32	421.45	798.48		
SMDH 00780t	87.4	96.83	0.13	9.91	86.28	178.42	20.43	72.57	11.77	1.13	7.26	0.78	3.05	0.36	0.84	0.08	0.52	0.06	36.04	1.46	5.66	259.62	617.15	0.83	
SMDH 00780t	100.9	113.74	0.12	8.70	100.60	196.09	22.91	87.48	12.76	1.32	8.28	0.79	2.56	0.30	0.66	0.07	0.52	0.05	40.12	1.79	10.50	415.37	838.18		
SMDH 00780t	75.8	82.23	0.09	8.10	77.55	149.66	16.50	63.44	9.55	2.01	5.90	0.54	1.74	0.30	0.72	0.12	0.41	0.05	29.24	1.12	7.31	304.47	583.87		1.68
SMDH 00780t	59.6	62.04	0.08	9.07	58.68	114.31	12.87	46.57	7.94	1.37	4.99	0.49	2.11	0.38	0.80	0.14	0.72	0.08	22.21	1.18	7.31	279.08	717.70		
SMDH 00780t	90.7	88.18	0.17	18.74	74.29	149.90	17.54	66.10	11.67	1.36	7.94	0.86	3.68	0.67	1.63	0.22	1.45	0.15	31.85	1.94	9.20	352.29	791.55		
SMDH 00780t	65.6	68.68	0.09	8.83	65.55	124.19	13.53	52.92	7.98	1.65	5.11	0.50	1.72	0.35	0.72	0.07	0.41	0.05	22.33	0.76	5.42	211.94	537.93	0.46	
SMDH 00795	94.4	71.73	0.07	34.70	60.08	124.43	13.28	51.77	9.67	1.24	6.24	0.98	5.72	0.94	3.31	0.45	2.79	0.38	23.35	1.82	10.97	501.55	719.43		
SMDH 00795	98.4	72.76	0.13	39.17	64.39	125.40	14.81	50.73	10.05	1.24	7.83	1.17	6.06	1.23	4.24	0.51	3.72	0.52	23.46	1.91	10.73	498.99	943.24		
SMDH 00795	80.1	62.70	0.13	27.93	51.23	100.54	11.65	45.64	7.25	1.11	5.45	0.80	4.61	1.07	2.64	0.42	2.58	0.28	18.59	1.34	6.25	252.19	605.71		1.54
SMDH 00795	62.8	51.40	0.10	20.67	42.15	87.62	9.93	36.86	6.62	0.68	5.11	0.63	3.98	0.70	2.06	0.29	2.17	0.23	17.57	1.11	5.42	228.02	381.56		
SMDH 00795	104.8	91.28	0.17	29.62	75.92	155.87	17.03	67.25	10.64	0.95	7.60	1.00	5.99	1.05	2.78	0.44	2.99	0.32	31.73	2.11	15.33	641.22	543.65		
SMDH 00795	226.0	210.21	0.15	56.46	171.63	362.44	42.37	156.23	22.03	1.75	16.68	1.99	9.62	1.80	5.20	0.70	4.03	0.56	65.85	3.67	19.34	864.78	867.83		
SMDH 00795	255.7	229.63	0.09	71.33	189.91	409.85	47.22	167.79	25.41	2.01	17.93	2.38	12.24	2.17	6.72	0.91	6.09	0.83	72.31	4.43	36.56	1645.27	954.85	1.59	1.47
SMDH 00795	186.6	169.77	0.08	50.29	142.98	294.80	35.01	124.68	19.64	1.50	13.28	1.71	8.37	1.59	4.52	0.66	3.92	0.53	54.97	3.12	25.94	1177.36	746.30		
SMDH 00795	243.4	243.19	0.09	49.69	205.63	434.95	51.01	180.50	26.93	1.57	19.18	2.39	9.30	1.62	4.15	0.58	3.10	0.43	82.39	3.57	12.85	591.25	475.17		
SMDH 00795	160.7	126.37	0.13	58.27	102.35	214.98	25.55	90.48	13.81	1.61	10.78	1.53	8.81	1.80	5.38	0.73	4.54	0.61	37.85	2.71	9.20	431.72	724.46		
SMDH 00795	178.2	132.10	0.16	70.36	105.14	217.66	26.02	93.60	14.65	1.74	11.80	1.82	10.65	2.14	6.44	0.76	5.27	0.72	38.53	2.84	13.68	607.32	788.95		1.53
SMDH 00796	85.7	67.02	0.12	31.07	60.43	127.84	13.38	47.84	9.34	0.99	6.47	0.98	4.82	1.01	3.38	0.37	3.20	0.44	24.93	1.92	11.79	519.38	676.96	0.37	1.44
SMDH 00796	115.6	92.25	0.11	40.38	79.76	166.35	18.26	66.68	11.21	1.21	8.85	1.19	6.11	1.25	3.90	0.49	3.82	0.53	31.62	2.47	15.33	715.79	763.46		
SMDH 00796	170.2	159.10	0.09	42.68	129.24	272.99	32.84	116.83	17.72	1.31	13.05	1.58	7.85	1.49	4.04	0.51	3.10	0.42	52.59	3.06	16.27	747.40	645.58	0.69	
SMDH 00796	127.9	114.90	0.10	35.42	91.40	198.28	23.67	83.89	13.31	1.25	9.65	1.25	6.08	1.19	3.16	0.48	3.41	0.46	38.87	2.27	10.14	470.35	698.11		
SMDH 00796	156.8	148.20	0.11	37.36	119.23	259.22	30.96	108.51	17.27	2.20	13.16	1.56	7.17	1.30	4.06	0.59	3.72	0.54	54.74	2.41	9.91	505.33	883.25		
SMDH 00796	122.2	107.05	0.13	35.06	85.70	186.83	21.40	77.88	12.21	1.49	8.51	1.11	6.66	1.29	4.61	0.57	3.82	0.57	38.87	1.81	9.67	473.59	737.11		1.57
SMDH 00796	177.4	173.66	0.12	37.36	138.91	303.70	35.54	128.96	18.89	1.97	15.21	1.66	7.50	1.44	4.29	0.50	3.51	0.52	65.62	2.89	12.74	632.85	945.49		
SMDH 00796	120.3	115.76	0.07	25.99	95.24	200.60	24.03	85.05	12.92	2.57	9.42	1.15	5.53	0.96	2.93	0.34	2.38	0.35	40.80	1.85	9.43	471.43	537.23	0.01	
SMDH 00797	44.8	34.54	0.08	16.32	30.16	62.03	6.59	25.19	4.84	0.50	3.29	0.42	2.33	0.38	1.56	0.18	1.45	0.21	13.15	0.89	3.77	203.43	329.90		
SMDH 00797	61.7	43.63	0.09	25.51	35.63	71.90	8.31	30.85	5.65	0.92	4.20	0.63	3.83	0.73	2.50	0.35	2.79	0.41	15.30	1.19	6.49	311.36	467.37		
SMDH 00797	86.4	70.71	0.09	27.68	53.79	113.46	13.19	51.88	6.73	1.24	5.90	0.85	4.78	1.01	2.97	0.35	2.79	0.41	22.67	1.66	7.31	357.96	530.82		
SMDH 00797	92.4	80.26	0.04	27.68	65.79	134.67	16.69	57.66	7.75	1.16	6.70	0.90	5.02	1.03	3.03	0.34	2.68	0.40	27.77	1.78	11.20	541.94	463.21		1.38
SMDH 00797	135.6	122.48	0.10	36.87	95.83	223.14	25.24	89.44	12.85	1.52	9.19	1.29	6.51	1.29	4.15	0.44	3.30	0.48	42.84	1.54	10.14	483.45	657.37		
SMDH 00797	60.3	54.93	0.05	15.72	46.92	98.96	11.81	39.75	5.75	1.42	3.75	0.60	2.77	0.50	1.58	0.17	1.45	0.22	18.25	0.66	7.55	377.82	461.13		
SMDH 00797	16.9	15.64	0.08	4.11	16.77	23.64	3.93	10.98	2.04	1.12	0.91	0.08	0.65	0.11	0.35	0.03	0.41	0.06	2.83	0.26	6.72	316.49	360.93	0.48	
SMDH 00797	18.8	16.90	0.05	4.35	15.84	25.23	3.75	12.48	1.56	1.33	1.25	0.09	0.58	0.11	0.36	0.02	0.31	0.04	3.63	0.28	6.84	329.87	606.23		1.50
SMDH 00797	12.0	10.31	0.08	2.90	10.01	16.94	2.20	7.63	0.76	1.04	0.91	0.08	0.40	0.08	0.25	0.01	0.52	0.06	2.04	0.27	6.96	339.73	488.52		
SMDH 00798t	142.2	113.44	0.15	49.69	96.53	199.62	22.52	81.24	15.89	1.57	10.10	1.50	8.19	1.44	5.27	0.58	4.54	0.67	41.93	2.47	16.86	814.26	832.11		
SMDH 00798t	163.6	137.59	0.14	51.38	114.46	245.08	27.01	100.88	17.78	1.69	11.46	1.72	7.98	1.52	5.35	0.56	4.44	0.66	50.66	1.76	15.80	765.50	892.27		
SMDH 00798t	299.6	281.57	0.12	75.08	235.43	491.13	58.91	205.69	34.04	1.87	23.04	2.75	14.22	2.43	6.65	0.93	6.09	0.78	101.77	3.57	35.97	1604.75	807.50		
SMDH 00781	78.3	59.03	0.07	29.86	50.65	102.86	11.63	41.72	9.11	0.99	5.67	0.88	4.81	0.93	3.04	0.35	2.79	0.41	21.53	1.52	9.32	432.66	650.78		1.53
SMDH 00781	137.8	118.24	0.13	41.83	93.38	196.58	23.78	85.63	16.05	1.52	11.01	1.31	7.52	1.51	3.94	0.58	3.92	0.45	40.69	2.95	25.00	1047.41	758.78		
SMDH 00781	192.2	183.57	0.16	43.76	149.04	306.75	36.80	137.51	22.21	1.71	14.64	1.57	7.68	1.36	4.24	0.69	4.23	0.54	63.81	2.28	14.51	652.03	754.10		
SMDH 00781	154.8	150.81	0.13	34.09	122.37	266.53	31.60	111.74	18.89	1.53	12.14	1.34	6.13	1.22	3.71	0.51	3.82	0.49	58.14	2.08	9.91	433.88	756.70	1.90	1.48
SMDH 00781	136.3	134.08	0.16	28.05	107.59	228.99	27.30	99.61	16.29	1.50	10.78	1.20	5.97	0.88	2.88	0.38	2.68	0.35	50.09	1.85	9.08	379.98	753.76		

BHID	CREO	MagREO	Sc_2O_3	Y_2O_3	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Sm_2O_3	Eu_2O_3	Gd_2O_3	Tb_4O_7	Dy_2O_3	Ho_2O_3	Er_2O_3	Tm_2O_3	Yb_2O_3	Lu_2O_3	ThO_2	U_3O_8	HfO_2	ZrO_2	TiO_2	Moist	BD
units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	g/cm^3
SMDH 00781	171.9	175.62	0.14	29.62	137.39	290.90	34.83	132.43	20.22	1.46	14.75	1.55	6.81	0.95	2.76	0.33	2.48	0.32	64.60	2.07	11.67	490.34	856.56		
SMDH 00781	124.1	127.96	0.13	19.22	109.45	229.85	24.65	98.34	14.53	1.52	9.19	1.03	3.94	0.77	1.78	0.23	1.65	0.19	47.71	1.56	10.02	436.17	799.00		
SMDH 00781	148.9	152.36	0.15	25.51	129.59	280.91	30.54	115.56	16.51	1.57	10.55	1.02	5.25	0.92	2.10	0.31	2.38	0.27	60.41	1.34	12.62	533.84	786.00		1.66
SMDH 00781	123.7	129.50	0.19	17.77	103.74	218.39	25.15	99.15	13.88	1.53	9.53	0.99	4.22	0.65	1.63	0.20	1.45	0.16	45.45	1.74	15.09	649.19	1021.07	0.36	

APPENDIX 6: Review of Stage 4 Drilling QAQC Report

Review of the Ark Mines Sandy Mitchell Project Stage 4 Drilling QAQC.

De Chaeney, 17 September, 2026.

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JORC Compliance Statement

The information in this report that relates to Exploration Results, is based on information compiled by Mr Daemon de Chaeney, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (3003799), and the Australian Institute of Geoscientists (8284). Mr de Chaeney is an employee of Ark Mines Ltd.

Mr de Chaeney 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 de Chaeney consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Executive Summary

In September 2025 Ark Mines completed the fourth stage of the grid drilling programme to inform a resource extension on the Sandy Mitchell Project. The Stage 4 AC RC programme drilled 2334.8m on 220 collars with an average depth of 10.7 m. Of these, two were failed stubs for 4.3m, which were redrilled.

The quality assurance measures applied to drilling and sampling were excellent and benefited from identification of procedural deficits in the Stage 1 programme.

The quality control measures applied to sample and assay were best practice and the resultant QC data affords comprehensive analysis of the assay set. The minor anomalies identifiable in the QC data are of small enough magnitude that they are not material.

The QAQC shows the assay data to be of good quality and fit for the purpose of estimating a JORC 2012 resource mode with good confidence.

Review of Ark Mines Stage 4 Quality Assurance Measures

In August to September 2025 AHK drilled a stage 4 programme aimed at resource extension. The programme comprised 220 AC holes with RC finish for 2334.8m, including two failed stubs for 4.3 m, leaving 218 productive holes.

- Drilling and sampling methodology were identical to Stage 2, including the use of the same drill by the same drilling company.
    - AEG's AusRoc 4000 multi-purpose rig with on board air.
    - Holes were drilled by air core with RC finish in bedrock.
- Drilling was on a 280m x 280m staggered pattern on 18 east west lines with all holes vertical and the Stage 4 pattern abutting the north and east side of the stage 1 and 2 drilling that informed the maiden MRE.
    - This Stage 4 spacing was determined by sensitivity analysis of the HGS Australia maiden MRE variography to yield a data density that could support indicated confidence classification.
- Stage 4 drill hole depth varied between a minimum of 2.3m to a maximum of 28m with a mean depth of 10.7m.
- Stage 4 mineral sand depth varied between a minimum of 1m to a maximum of 25m with a mean depth of 10.0m.
- The Stage 4 resource data set includes five stage 2 reconnaissance holes that fall within the Stage 4 drill pattern, and which were drilled with the same rig using the same techniques for both drilling and sampling in November 2023.
- Samples were collected by the metre via passing through a gated cyclone to a 12.5 : 87.5 riffle splitter to yield a representative sample per metre in a prenumbered calico bag.

- Duplicate sample at the 1 in 40 programme scheme rate were taken by passing the bulk reject through a 12.5 : 87.5 riffle splitter to yield the duplicate in a prenumbered calico bag, plus the reject recaptured in a numbered UV resistant green bag.
- Duplicate bags were of the same series as representative sample bags and recorded as duplicates, preserving duplicate anonymity to the lab.
- Samples were logged by the metre on site and drilling / sampling operations were under geological supervision.
- Assay was conducted by Lab West Jinning (a NATA certified Phenna Group facility):
    - Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Sr, Pb, As, Sn, W and Si were assayed by sodium peroxide fusion in nickel crucibles under agitation, with inductively coupled plasma mass spectrometry (ICP-MS) finish.
    - Al, Ca, Cr, Fe, K, Mg, Mn, Na, P, S, and Ti were assayed by four acid digest with inductively coupled plasma optical emission spectroscopy (ICP-OES) or inductively coupled plasma mass spectrometry (ICP-MS) as appropriate for the element.
    - PPB Au, Pt and Pd by low level Fire assay with ICP-MS finish on second metre and last sand metre samples.
    - Gravimetric moisture was measured at 1 in 5.
    - Gravimetric dry loose bulk density was measured at 1 in 4.
- QAQC included:
    - Field duplicates at 1 in 40 by 12.5 : 87.5 riffle split of the total reject sample.
    - Lab repeats at 1 in 12.
    - Certified standards at 1 in 14.
    - Blanks at 1 in 40.
- Further QC measures included full analysis of all results by an independent analytical chemist and data management consultant, with all QA anomalies flagged back to the assay lab with required mitigating actions specified, including partial and whole batch re-fusing, re-reading and extra controls (used by the lab internally to control for fusion parameter variation), standards and repeats as necessary to maximise the quality of assay return accuracy and precision.
- Collar survey was by qualified surveyor using real time kinematic differential GPS (RTKdGPS) with precision in X and Y of 20mm, and precision in Z 200mm.
- High density infill survey between and beyond drill collars, include drainage channels, was carried out to allow high accuracy RTKdGPS digital terrain modelling approx. 450m beyond the acceptable interpolation perimeter of resource estimation.
- Final assay returns from Lab West Jinning were received 22nd July 2026 and the following analysis examines the QAQC results of Stage 4 sampling and assaying.

The QA measures emplaced in Stage 1 and 2 drilling align with this Stage 4 and have been previously reported. Stage 4 QA is more rigorous that that of earlier stages due to learning from the earlier results and analysis, as is the intent of QAQC, and due to Stage 4 being at greater spacing, thus requiring a higher degree of assurance in sample representivity and statistical relatedness to afford resource confidence can be drawn from the results.

Review of Ark Mines Stage 4 Quality Control Results

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 quality control of Stage 1 and 2 drilling has been previously reported and is not revisited in this document.

Stage 4 Laboratory Repeats

173 lab repeats have been analysed and the results are presented in the form of scatter plots showing the correlation and dispersion of repeats to primary assays, and ranked half absolute relative difference plots (HARD), showing an empirical measure of scatter or imprecision in the data. It should also be noted when assessing the HARD plots that the instrumental accuracy of the MS is ±10% which is generally between the 2nd and 3rd standard deviation, this is relevant to comparing the HARD data to certified reference material results. Results are presented in the **Laboratory Repeats Stage 4 Graph Matrix.**

The results are very good across the board with greater spread in the incompatible REE elements, many of which are present at low detection where analytical precision is objectively worse. Outliers exist but at very low quantity and there is a small general bias against the repeat which is largely dominated by outliers. This reflects the random nature of repeat selection rather than post selection based on grade distribution and is not considered to reflect a real bias in results.

Sc and Pb show the greatest scatter. In Sc which has a very minor contribution to resource, this reflects the difficulty in obtaining high precision assay of the element. The result is still considered to be good and the HARD plot indicates high data quality. Pb is not a problematic element to assay and its scatter is thought to represent a true inhomogeneity at the sample mass. The HARD is still well conditioned and given its very minor contribution to the resource, the data representivity is still very good.

Overall, the repeats show both precision and accuracy of lab preparation and assay is of very high quality and fit for purpose. The quality of repeats also directly points to high quality lab hygiene.

Stage 4 Field Duplicates

58 lab blind field duplicates have been analysed and the results are presented as scatter plots and HARD plots in the **Field Duplicates Stage 4 Graph Matrix.**

Field duplicates are split at lower precision and far greater particle size than ground and homogenised lab repeats, and it is normal for a concomitantly greater degree of scatter. Duplicates show the degree of variability in the sample under the given sample protocol; giving a measure of the fitness of the sampling procedure, independent of inherent assay noise and hygiene.

The dispersion seen in Sc is well aligned to that of the lanthanides and considering the repeat scatter is superimposed on the duplicate scatter, the graphs show that sample representivity is good for this element.

This trend is seen for all elements except Pb, with HARD plots more akin to most analytical labs repeats, and well above the repeatability levels seen in earlier programmes which were themselves, still acceptable. Pb is still strongly auto-correlated but shows by far the highest scatter with a HARD plot indicative of a low level element with a 'nuggety' distribution. As, also a very minor element in its contribution to resource, mirrors the behaviour of Pb to a lesser extent and given the chalcophile affinity and environmental mobility of As and Pb, this likely reflects geochemical inhomogeneity in both protolith rock and subsequent supergene mobilisation in this highly oxidised residual material.

Overall, the duplicates show that sample representivity is very good and the sampling protocol is well conditioned for the mineralisation. Sampling is shown to be fit for purpose.

Stage 4 Blanks

61 blank quartz flushes have been reviewed but as expected for a wide element spread of this nature, including all the incompatible elements which by nature become concentrated in late stage fluids, none are truly blank. This problem was also present in earlier stages of work since not even high cost engineered materials are blank across such a broad element suite. Blanks all show low levels of all elements, except Si, but in every case are well below the assay values of preceding or subsequent sample assay. Nevertheless, they are not suitable for diagnosing lab hygiene though they are suitable for enforcing it in the case of mill ring scouring.

In the manner of Stages 1 and 2, lab hygiene is best analysed by lab repeat scatter which is exemplary. Blanks graphs have not been included.

Certified Reference Materials

Thirteen different CRMs have been used, with multiple different CRMs distributed in the sample stream of each assay batch. The purpose of CRMs is to monitor assay bias, precision and accuracy. The five CRMs with the highest usage rates have been included in this report, since all 13 represent an impractically large amount of data. The included CRMs are:

- OREAS 462, a high grade standard**,** see **CRM OREAS 462 Stage 4 Graph Matrix**
- OREAS 460B, a medium grade standard, see **CRM OREAS 460B Stage 4 Graph Matrix**
- OREAS 460, a medium grade standard, see **CRM OREAS 460 Stage 4 Graph Matrix**
- OEAS 680, a low grade standard, see **CRM OREAS 680 Stage 4 Graph Matrix,** and
- OREAS 461 a lower high grade standard, see **CRM OREAS 461 Stage 4 Graph Matrix**

OREAS 462 is well representative of the upper grade bands of the mineralisation. There are few outliers and most are within the first standard deviation, with only one approaching the third standard deviation. This does not apply to Sc and As which this standard is not certified for, and the results of these reflect

standard scatter, not assay scatter. No systematic bias is seen and the standard shows at high grades the analytical technique is both precise and accurate.

OREAS 460B is well suited to represent the medium grade bands of the mineralisation. There are few outliers and only two that approach the third standard deviation. This standard shows that Sc and assays conform well. There is a small pattern of systematic bias in Hf. This type of sigmoid noise is often characteristic of thermal gradient related dissolution during fusion, but the accuracy and precision in Hf remain acceptable and are otherwise excellent across the element suite.

OREAS 460 is another medium grade band standard comparable to 460B. It is not certified for Sc and As and the graphs for these elements are indicative rather than diagnostic. There are few outliers: One in Ce assay may be considered a failure but is not validated by the other standards in the batch and is more likely a CRM failure rather than an analytical failure. Most other outliers are low rather than high, and the spread on this standard is far tighter than the same standard in Stages 1 and 2, though Ark notes that this CRM has always produced lower quality results than other CRMs in the same conditions and the standard itself is of suspect quality. The analysis is considered precise and accurate.

OREAS 680 is a low grade standard and many element concentrations approach the technique detection limit where analytical precision is instrumentally degraded. There are multiple outliers which are predominantly low, the majority are still within 1 to 2 σ with few excursions beyond this. There is more spread in Hf and Zr than most other elements and this standard is not certified for these elements, indicating the result is inherent in the CRM material. The sigmoidal fusion systematic bias is visible in several elements in the earlier runs, but this does not introduce a true analytical bias so much as an instantaneous precision degradation. Overall, the results are sufficiently precise and accurate.

OREAS 461 is well behaved and shows good precision and accuracy across the board with no systematic bias. Sc and As are not certified in this CRM and their results are only indicative.

Divergence in behaviour of the various standards in the same analytical batch derives from two sources; differing analytical performance across the grade range, this is an unavoidable feature of all analytical techniques; differing fusion uptake of differing CRM matrix materials, fusion parameters were optimised for the Sandy Mitchell sample type, but wide band REE CRMs have limited availability and several are derived from widely divergent mineralisation sources.

Overall, the standards individually and combination show that no deleterious bias is present and both precision and accuracy is very good and fit for purpose.

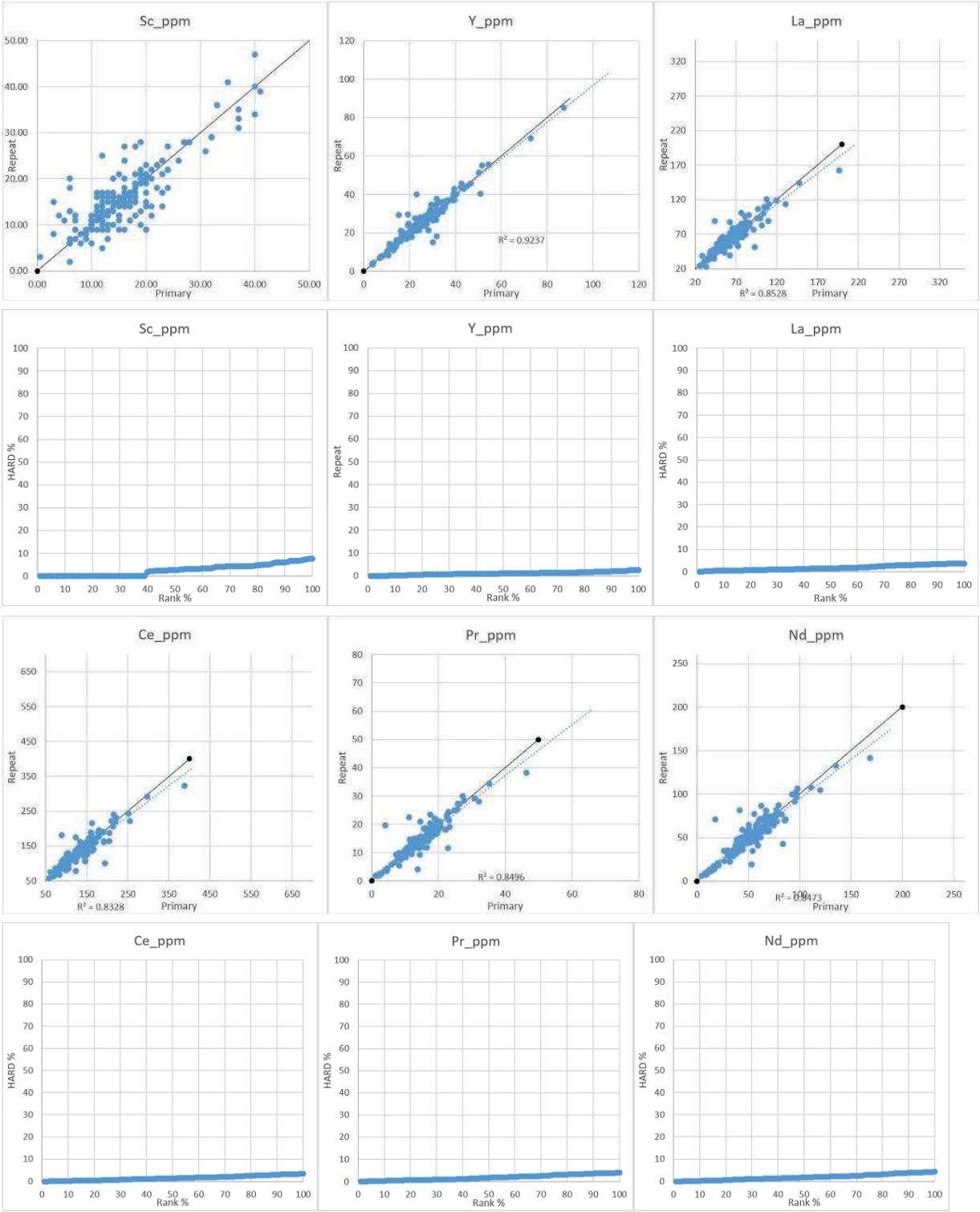
Conclusion

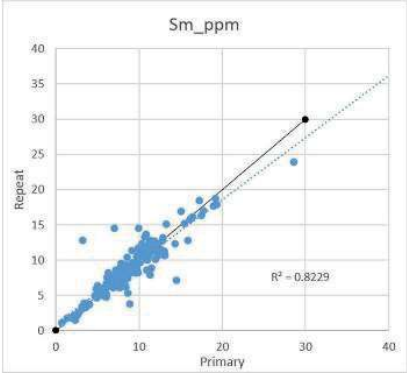
Analysis of Ark's Stage 4 Sandy Mitchell assay and sampling QAQC data shows:

- Sample quality is appropriate to the style and particle size of the mineralisation.
- Sample protocols are of high quality and yield consistent repeatable results.
- No systemic down hole contamination or sample hygiene problems are detectable.
- Assay precision is good across the grade range.
- Assay accuracy is good across the grade range.
- No material analytical bias is present in the data set.
- No lab hygiene problems are present.
- Minor elements Pb and As show elevated scatter indicative of geological distribution and supergene mobility, but are still sufficiently well behaved for use in their context.
- Blank assays are not materially useful as a preparation hygiene control in an assay suite of this diversity, but were carried out as a broadly diagnostic tool.
- The QAQC procedures, frequency and types are at or exceed best practice and provide total data set coverage.

The assay data set is of high quality and the QC data is sufficient to warrant high confidence in the assay data. The Stage 4 assay data is representative of the mineralisation and sufficiently accurate to inform a JORC 2012 resource model over greater spacing and lower sample representation, with good confidence.

Laboratory Repeats Stage 4 Graph Matrix

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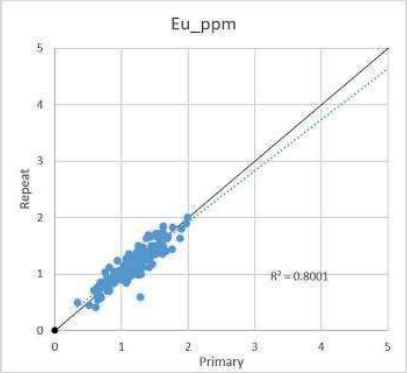
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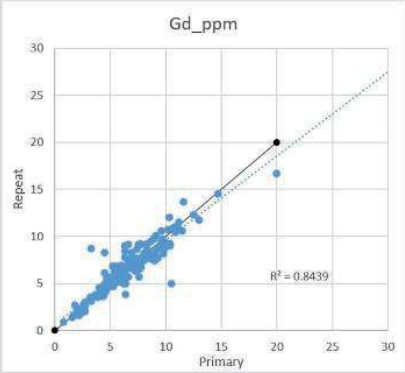
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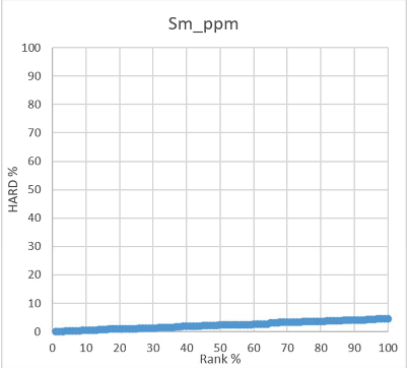
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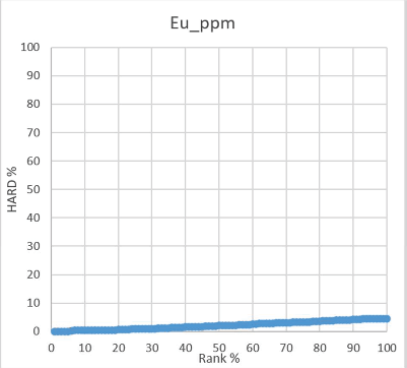
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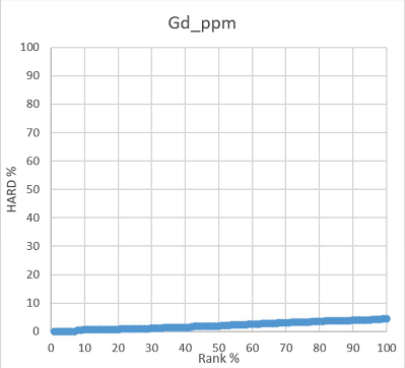
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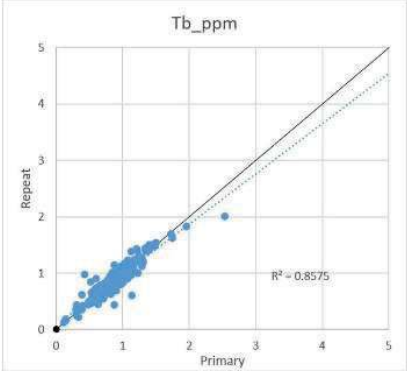
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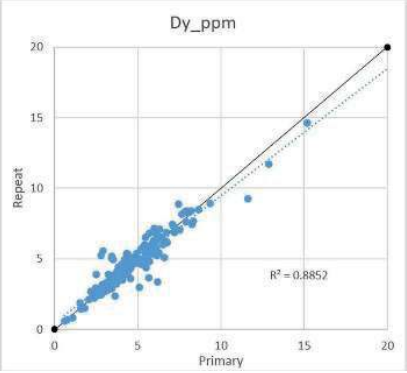
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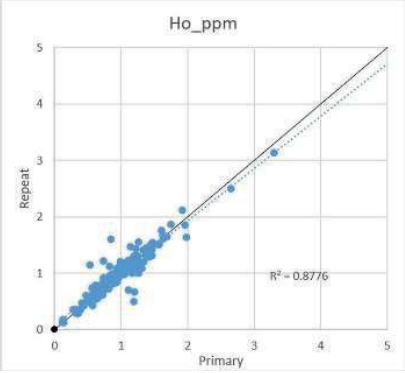
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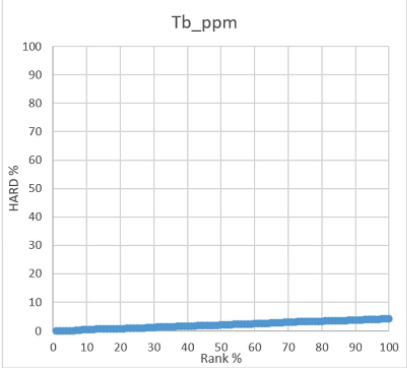
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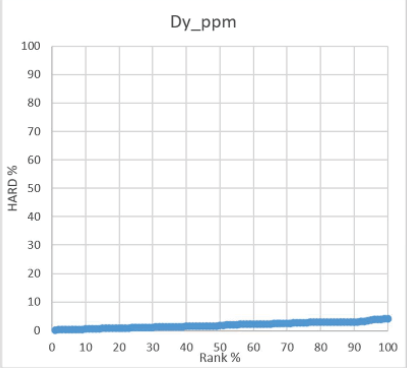
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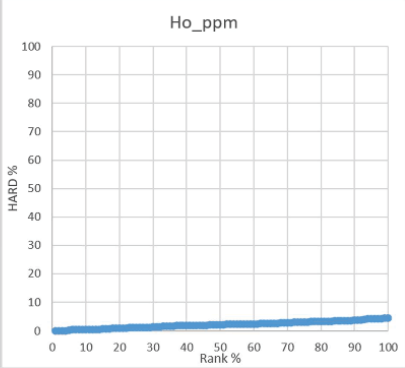
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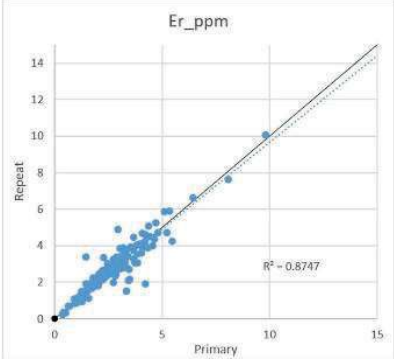
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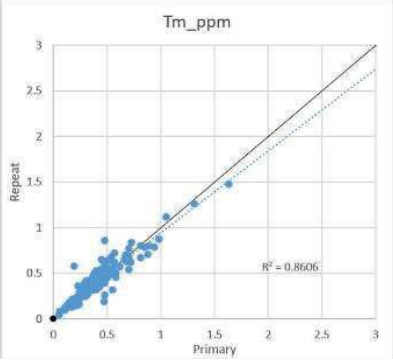
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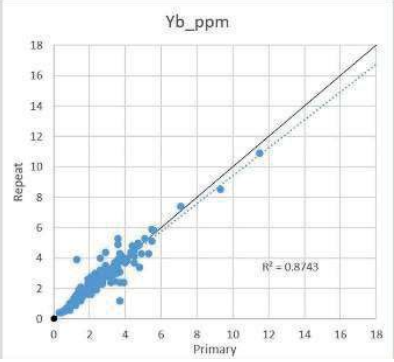
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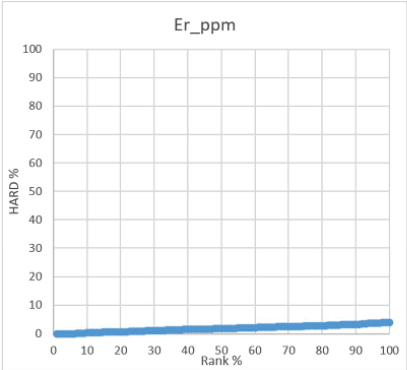
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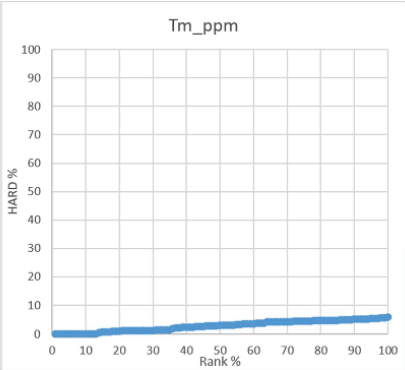
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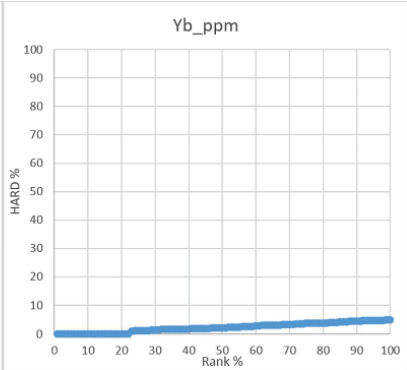
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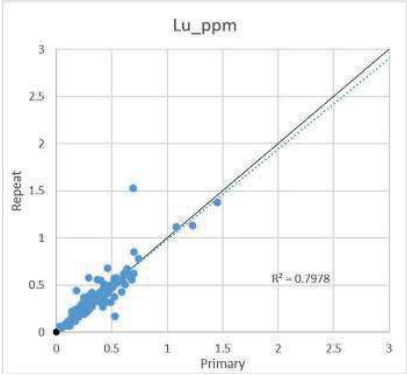
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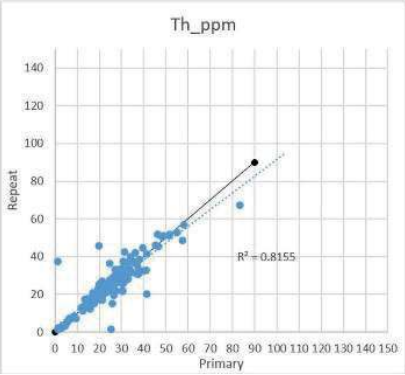
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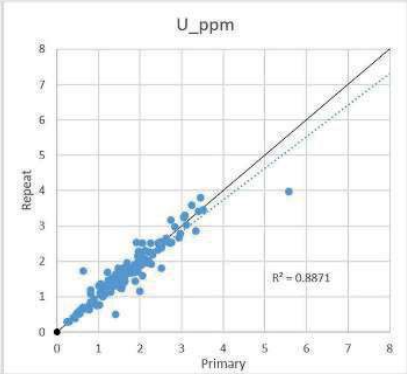
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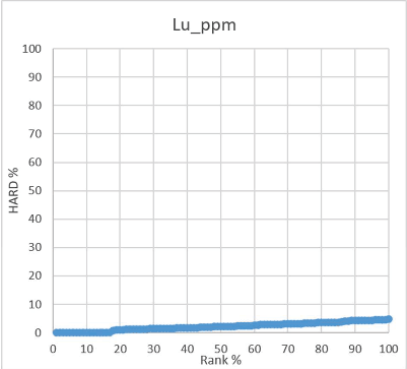
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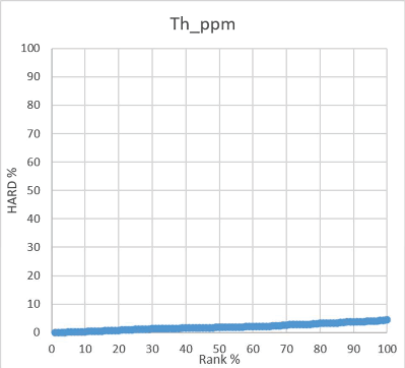
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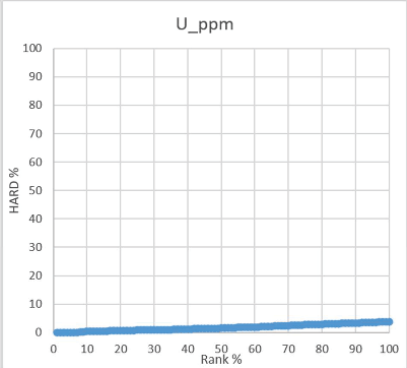
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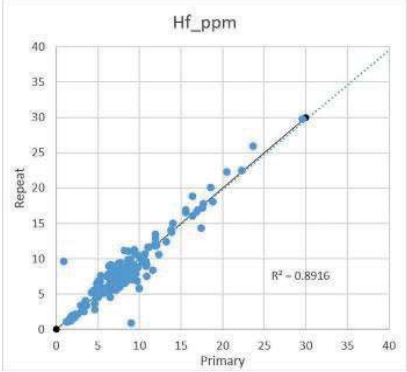
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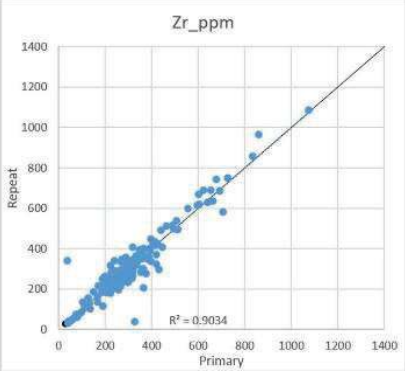
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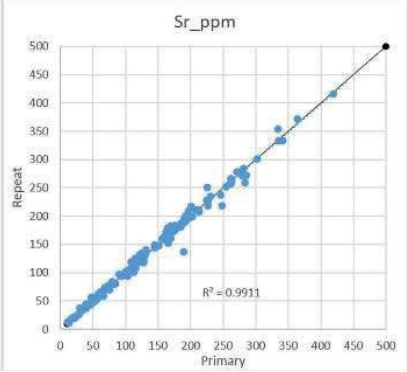
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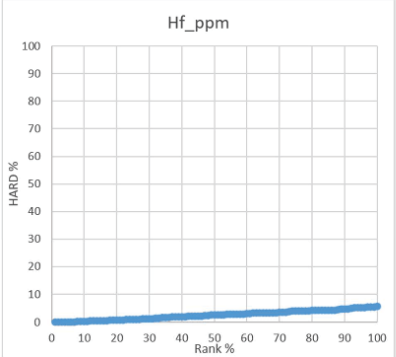
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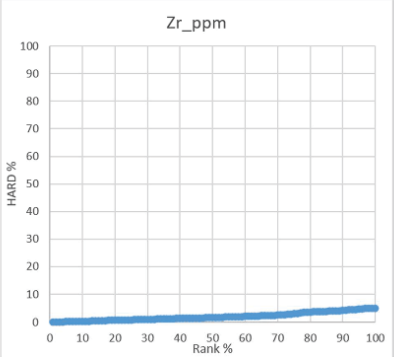
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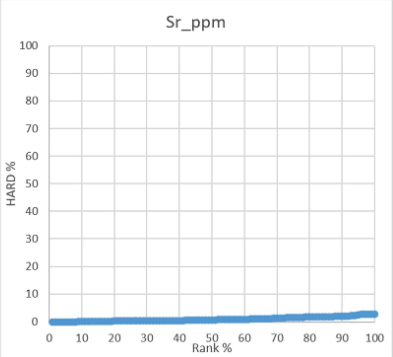
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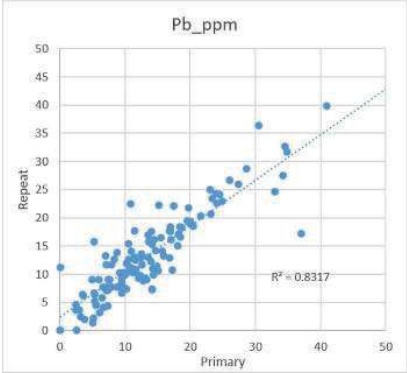
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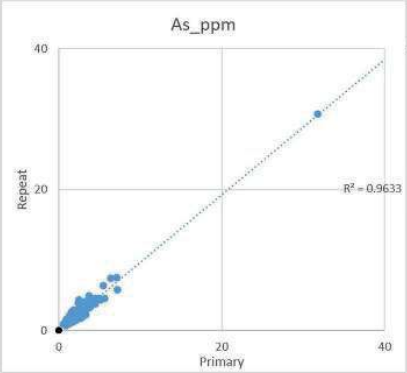
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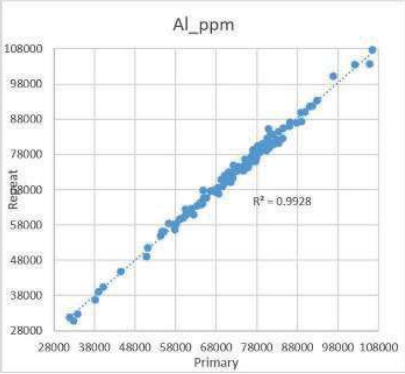
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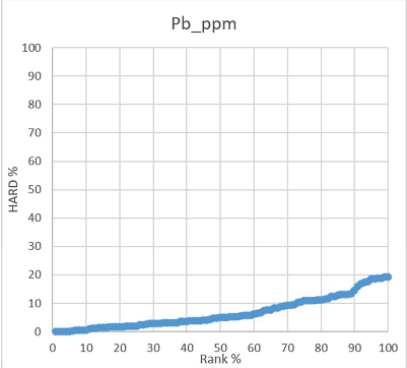
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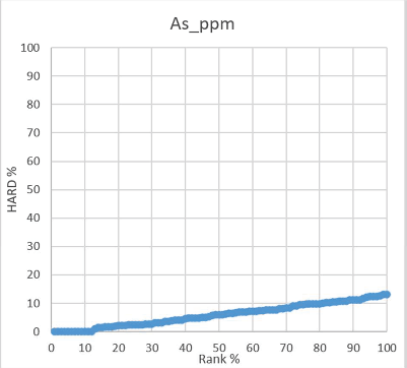
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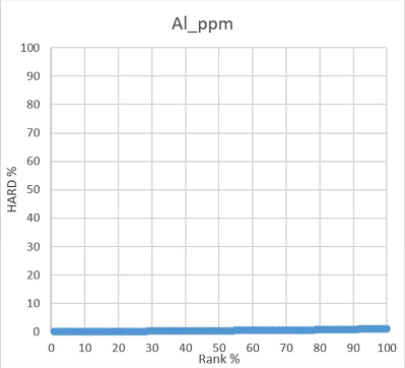
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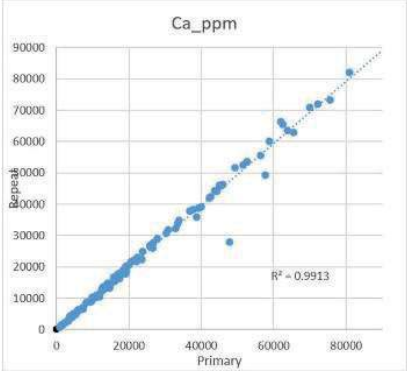
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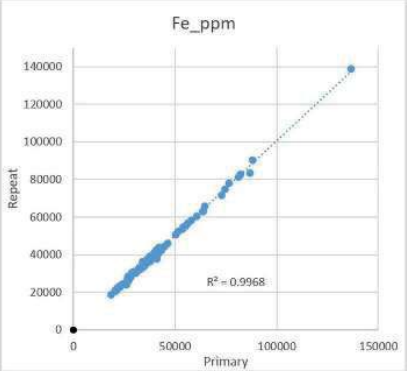
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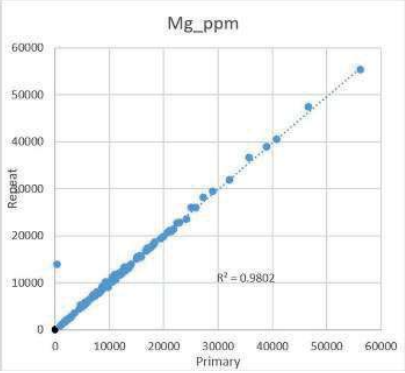
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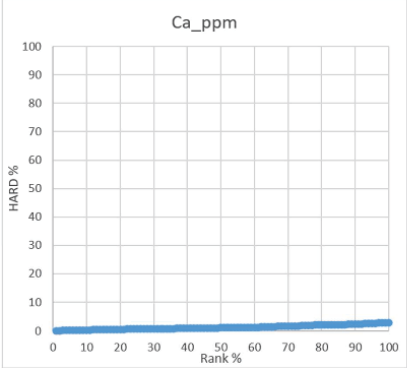
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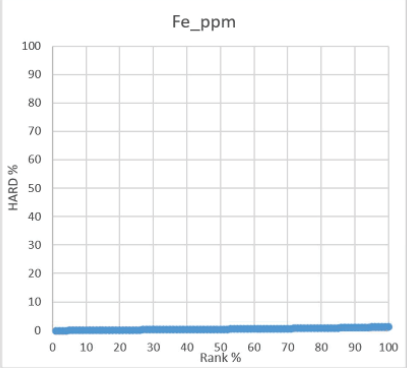
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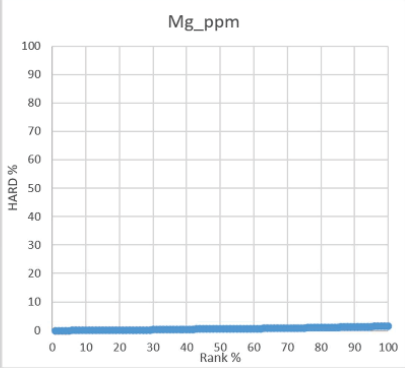
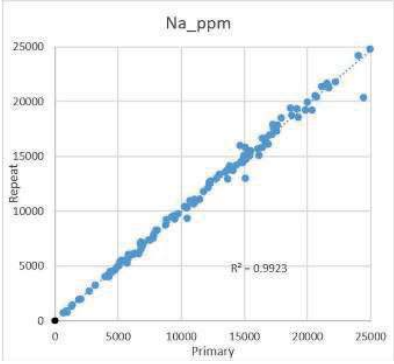

Mg_ppm
HARD %
Rank %


Na_ppm
Repeat
Primary
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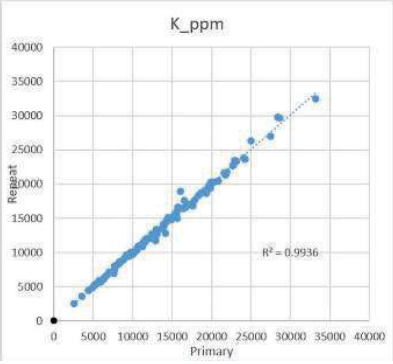
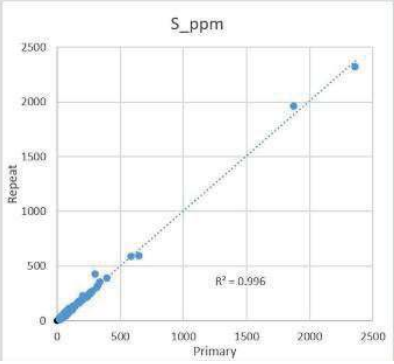
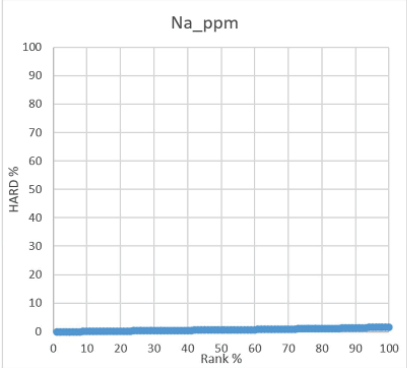
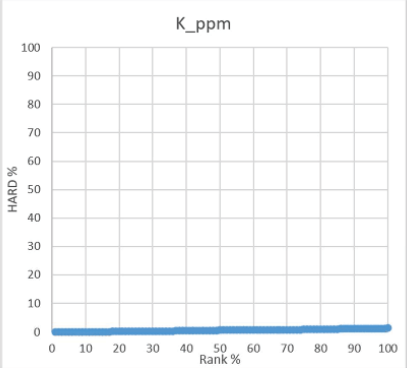
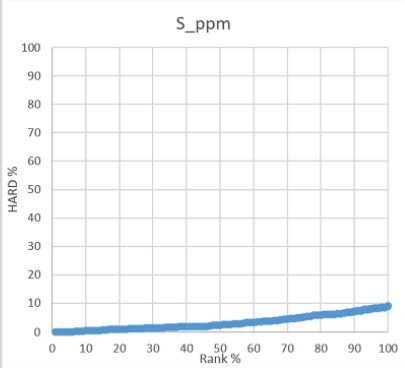

K_ppm
Repeat
Primary
R² = 0.9936


S_ppm
Repeat
Primary
R² = 0.996


Na_ppm
HARD %
Rank %


K_ppm
HARD %
Rank %


S_ppm
HARD %
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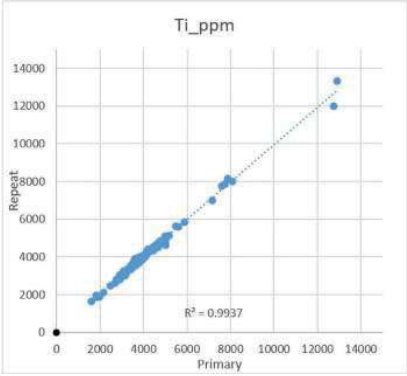
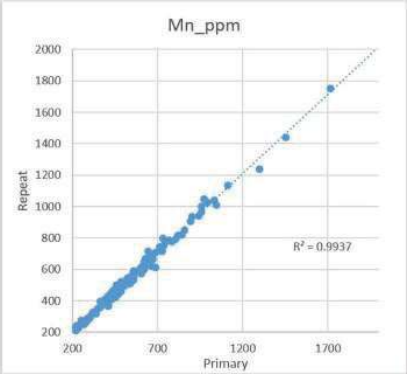
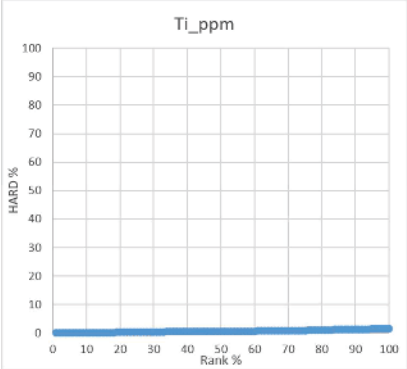
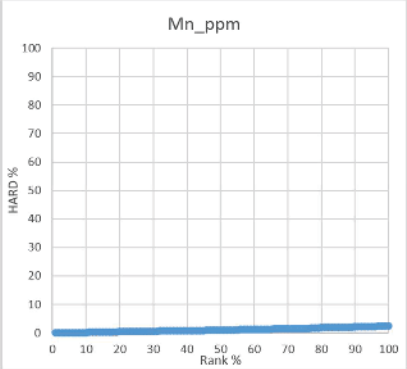

Ti_ppm
Repeat
Primary
R² = 0.9937


Mn_ppm
Repeat
Primary
R² = 0.9937


Ti_ppm
HARD %
Rank %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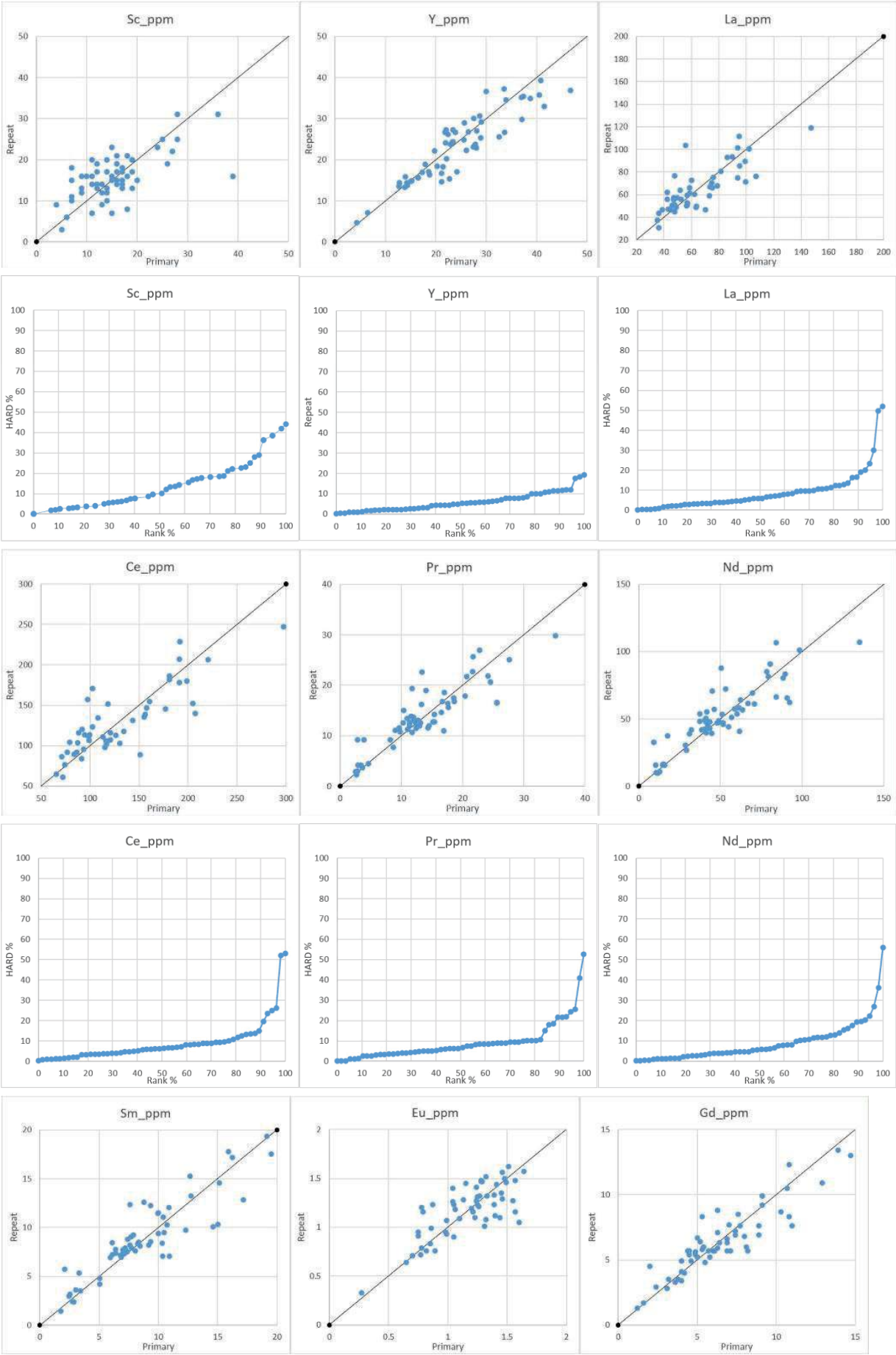
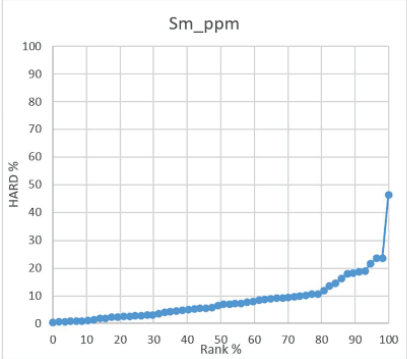
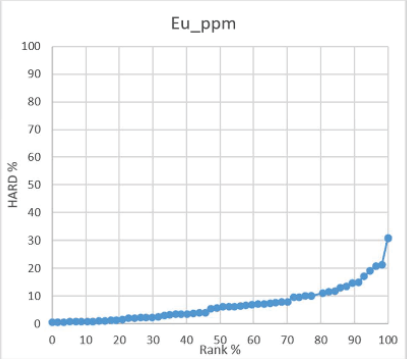
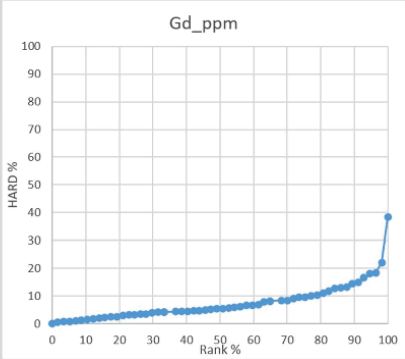
HARD %
Rank %

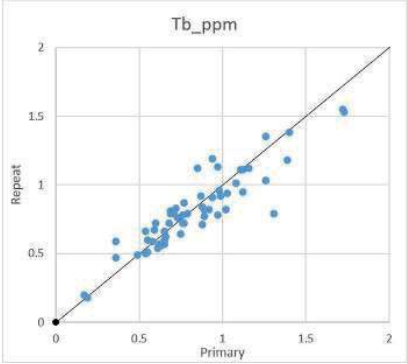
Field Duplicates Stage 4 Graph Matrix

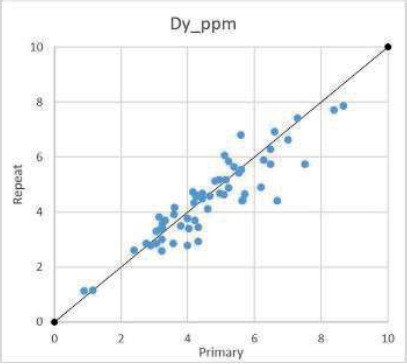


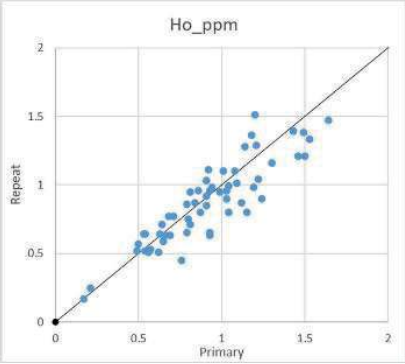

Sm_ppm
HARD %
Rank %


Eu_ppm
HARD %
Rank %


Gd_ppm
HARD %
Rank %


Tb_ppm
Repeat
Primary


Dy_ppm
Repeat
Primary


Ho_ppm
Repeat
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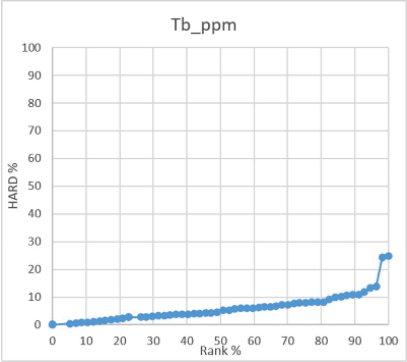
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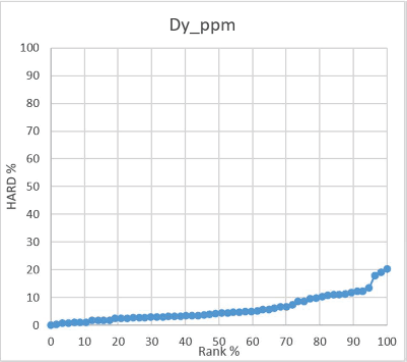
Rank %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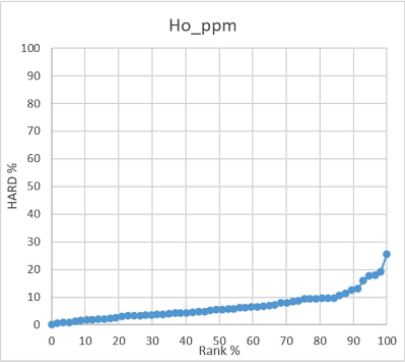
Ho_ppm
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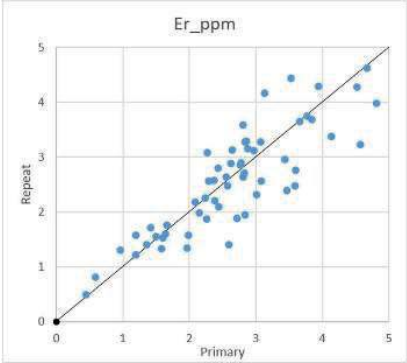
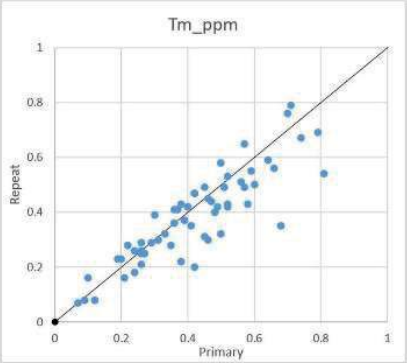
Rank %


Er_ppm
Repeat
Primary


Tm_ppm
Repeat
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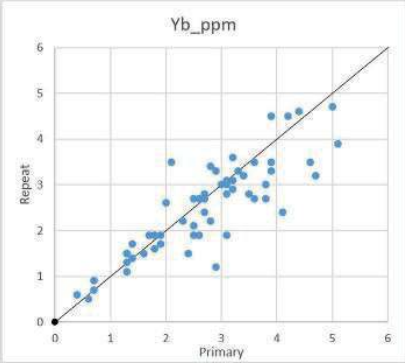
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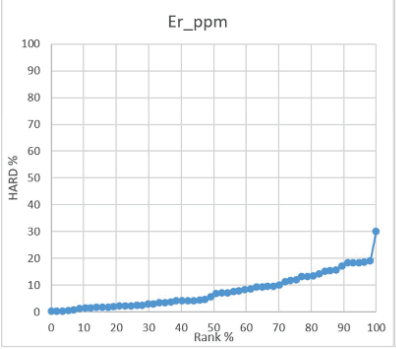
Er_ppm
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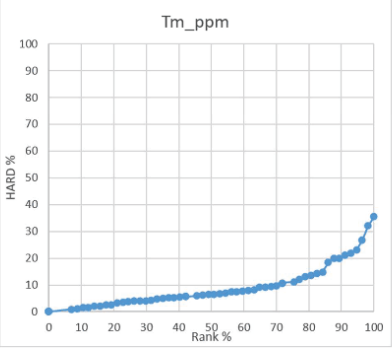
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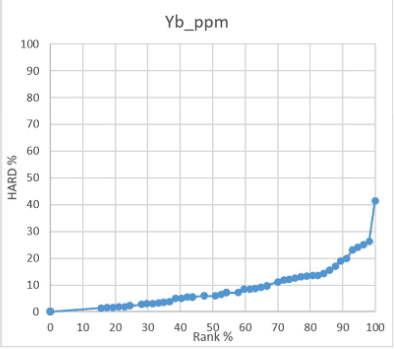
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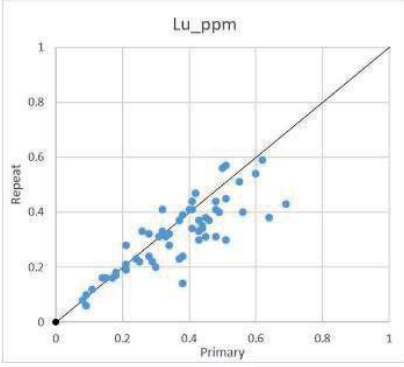
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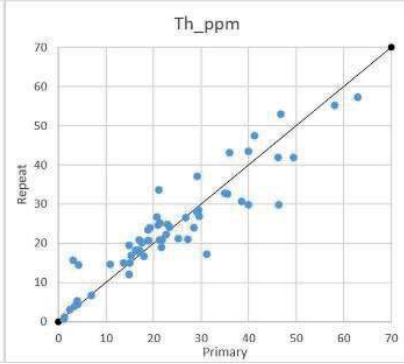
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Repeat
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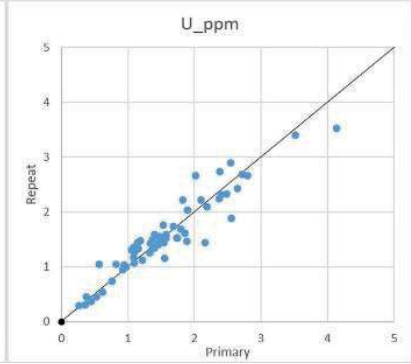
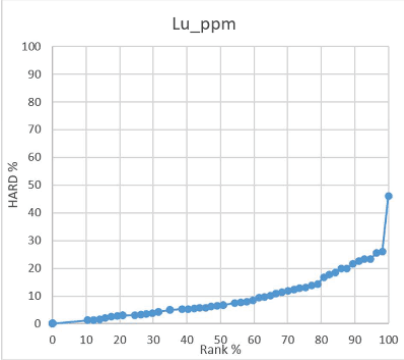

U_ppm
Repeat
Primary


Lu_ppm
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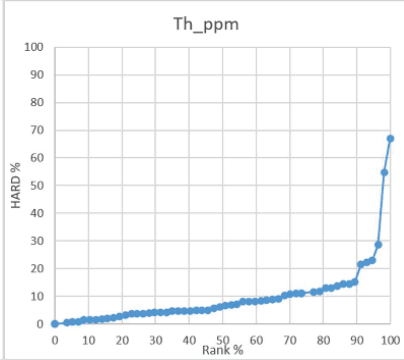
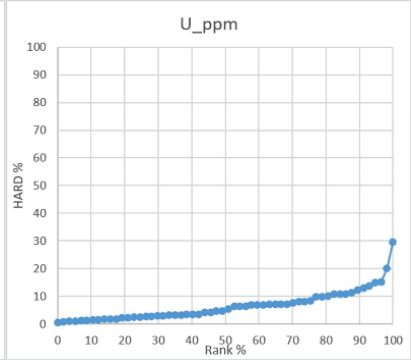
Rank %


Th_ppm
HARD %
Rank %


U_ppm
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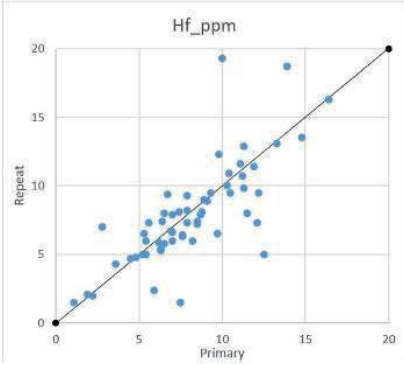
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Repeat
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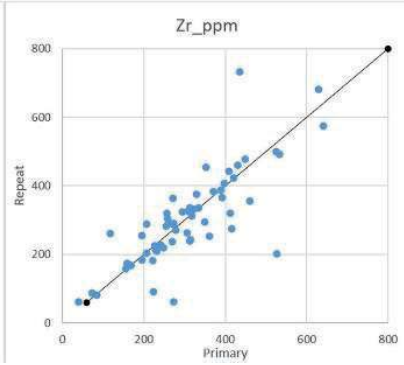
Zr_ppm
Repeat
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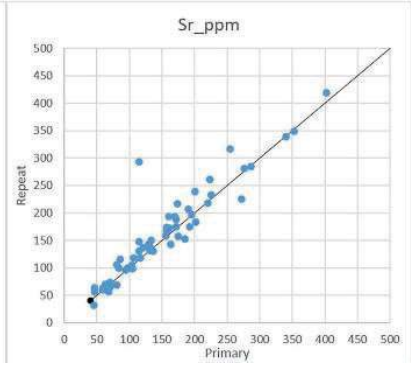
Sr_ppm
Repeat
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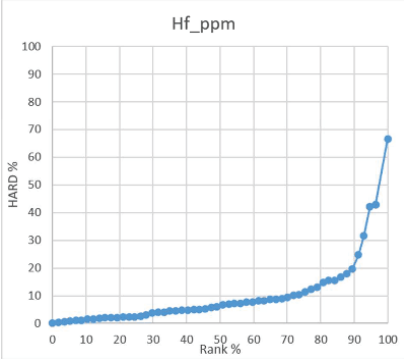
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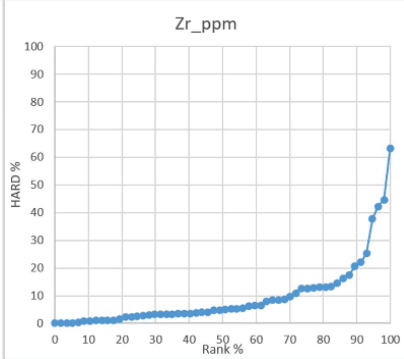
HARD %
Rank %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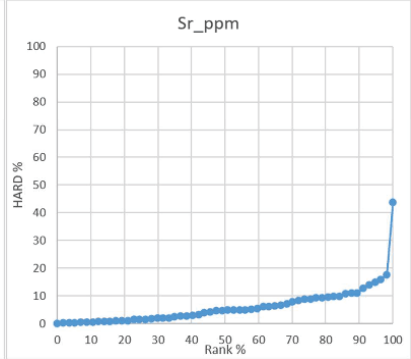
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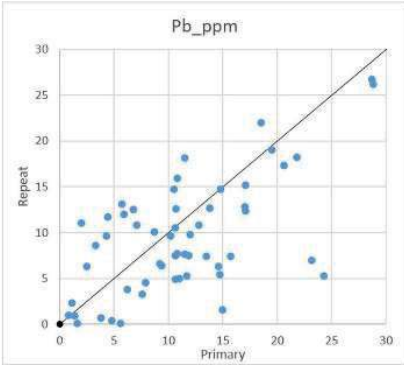
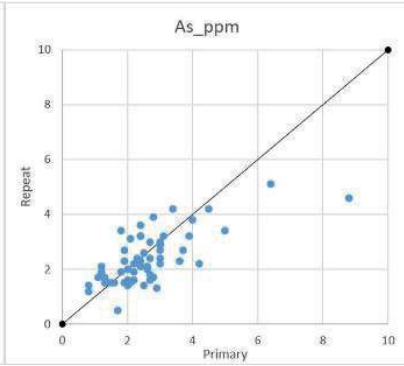

Pb_ppm
Repeat
Primary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Repeat
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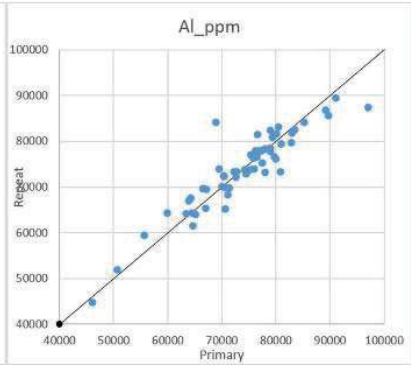
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Repeat
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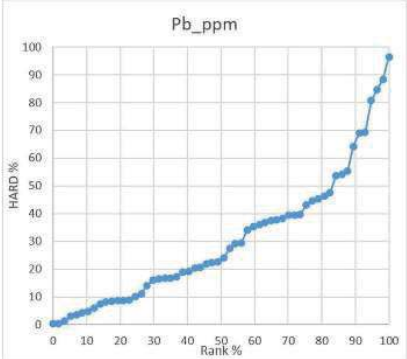
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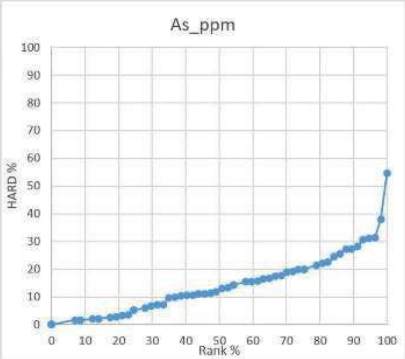
As_ppm
HARD %
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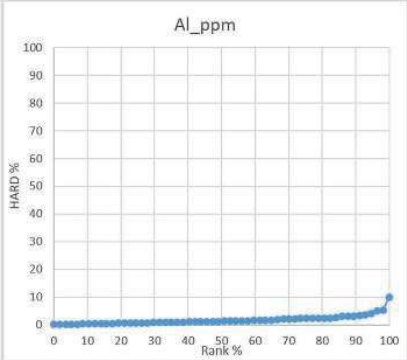
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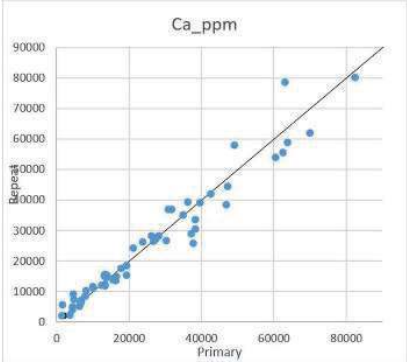
Ca_ppm
Repeat
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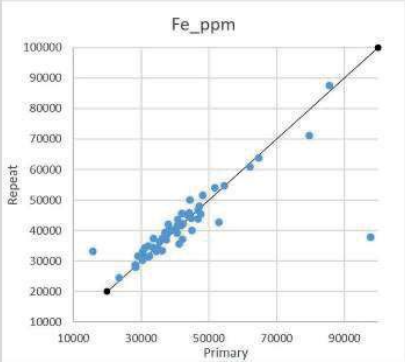
Fe_ppm
Repeat
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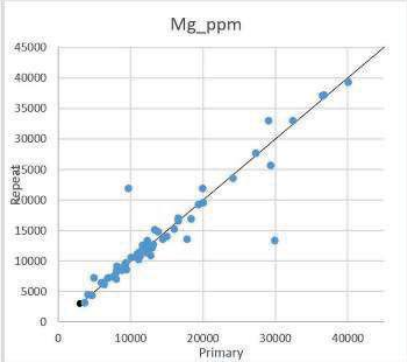
Mg_ppm
Repeat
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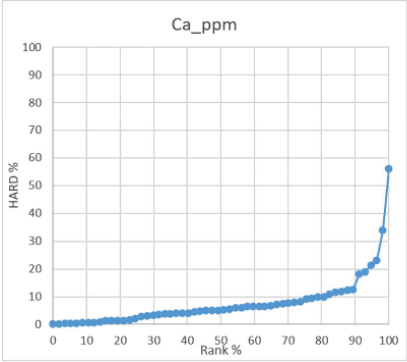
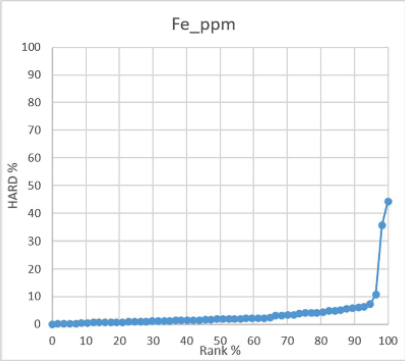

Ca_ppm
HARD %
Rank %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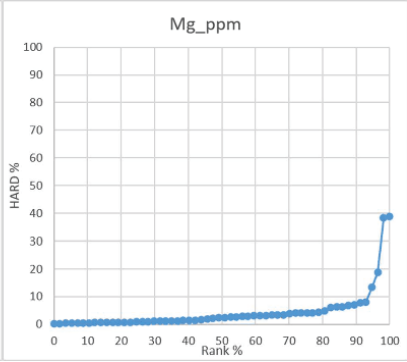
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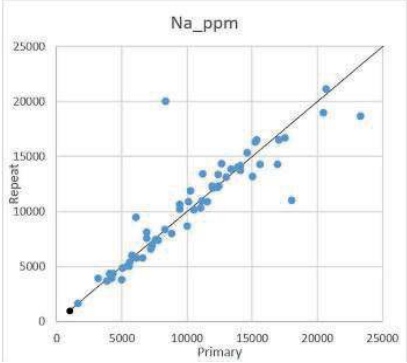
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Repeat
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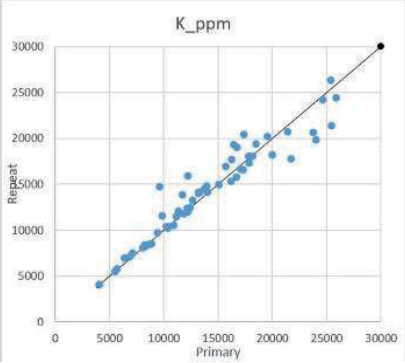
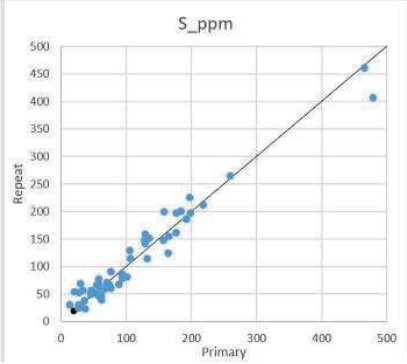
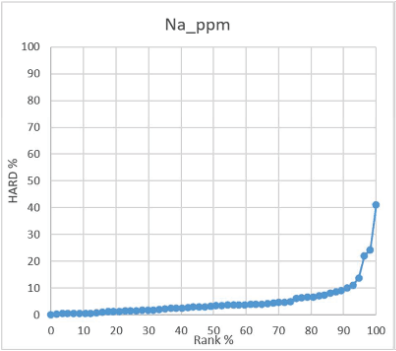
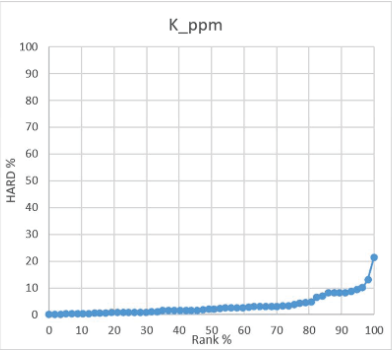
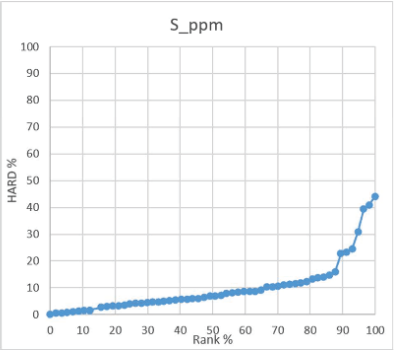
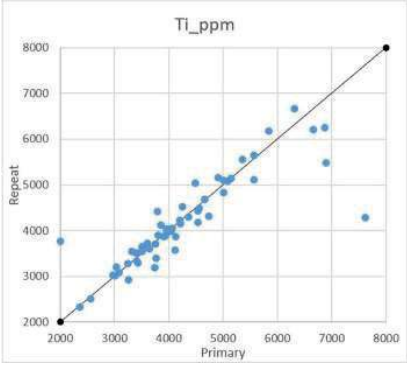

K_ppm
Repeat
Primary

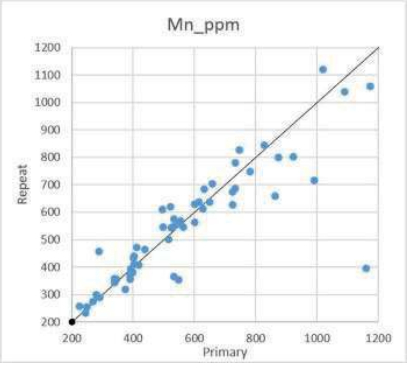

S_ppm
Repeat
Primary

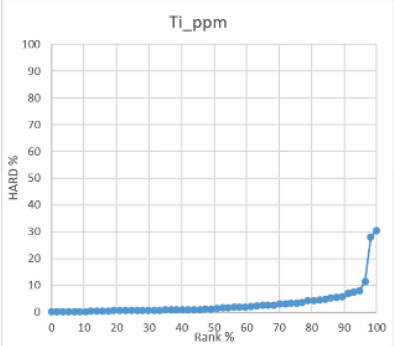

Na_ppm
HARD %
Rank %

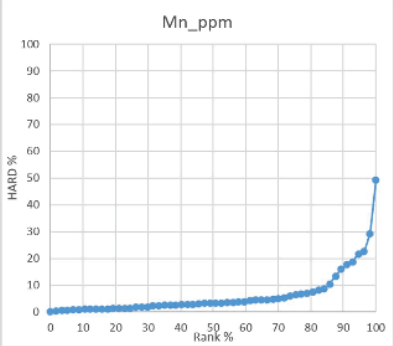

K_ppm
HARD %
Rank %


S_ppm
HARD %
Rank %

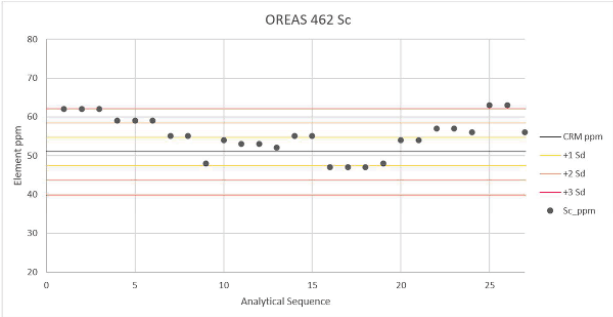

Ti_ppm
Repeat
Primary
2000
3000
4000
5000
6000
7000
8000

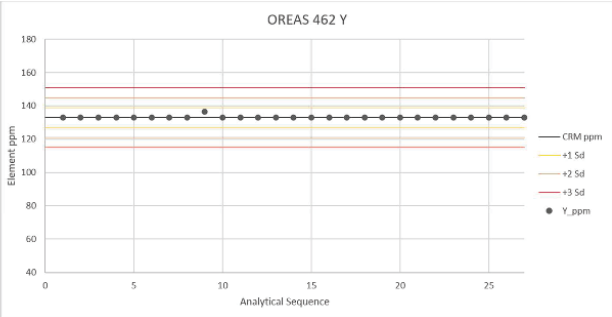

Mn_ppm
Repeat
Primary
200
300
400
500
600
700
800
900
1000
1100
1200

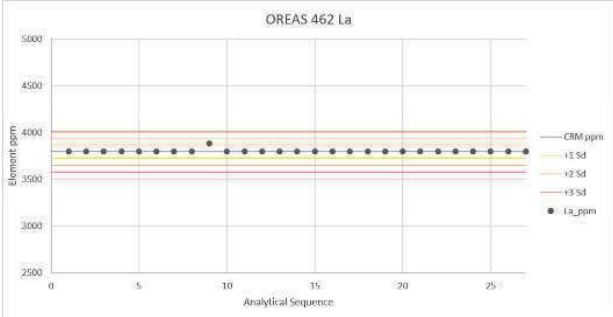

Ti_ppm
HARD %
Rank %
0
10
20
30
40
50
60
70
80
90
100

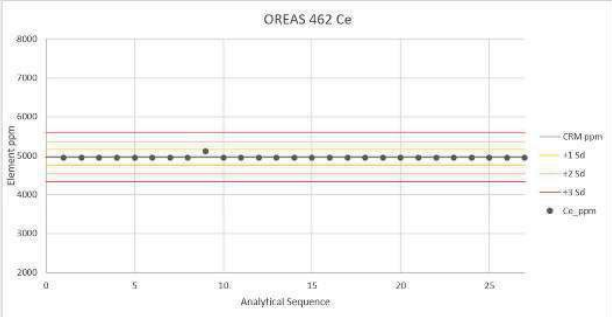

Mn_ppm
HARD %
Rank %
0
10
20
30
40
50
60
70
80
90
100

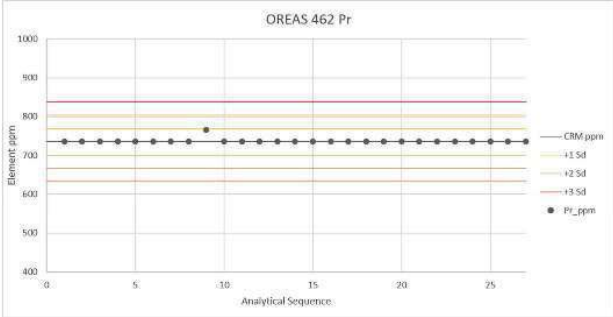
CRM OREAS 462 Stage 4 Graph Matrix

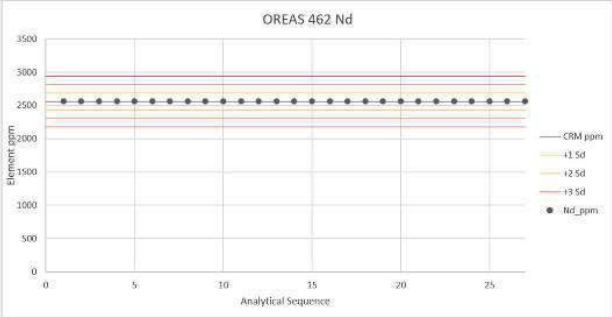


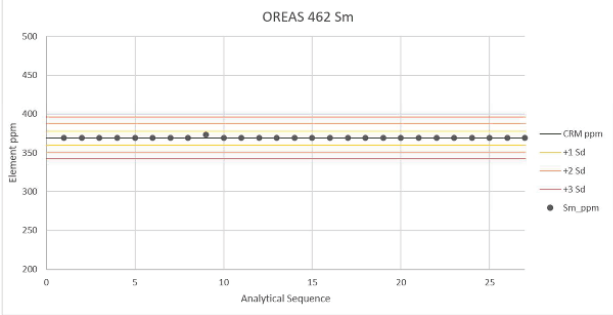


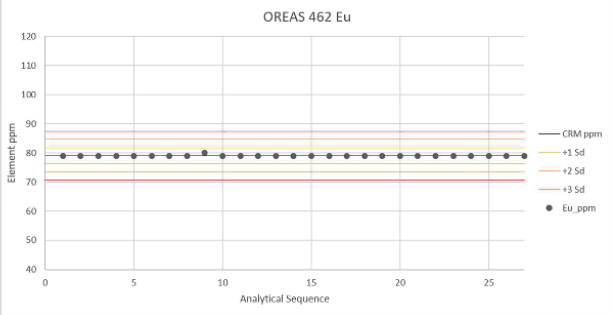


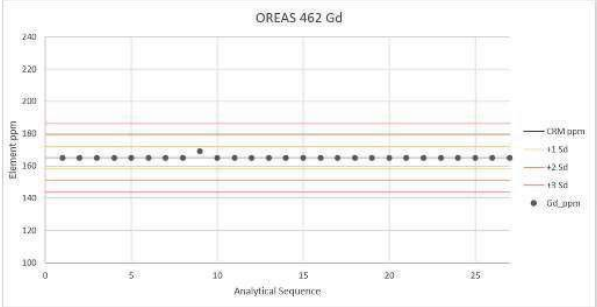


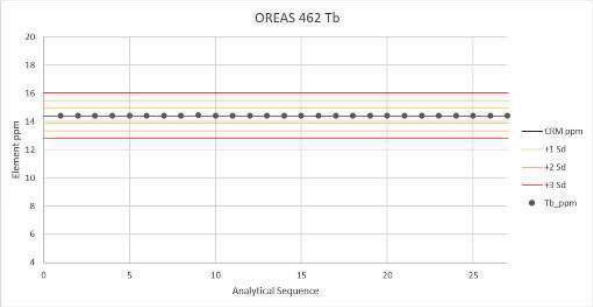


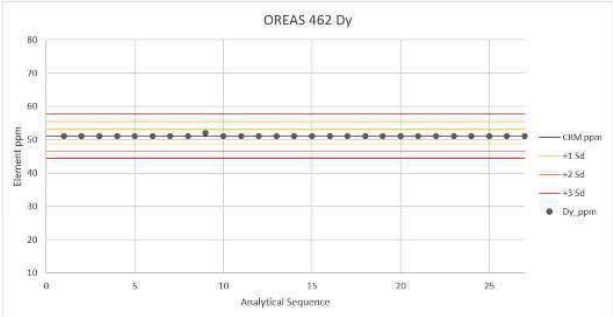


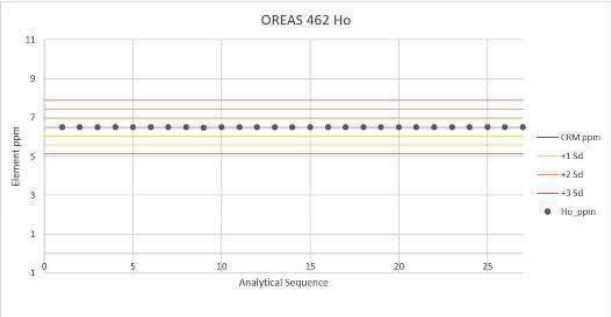


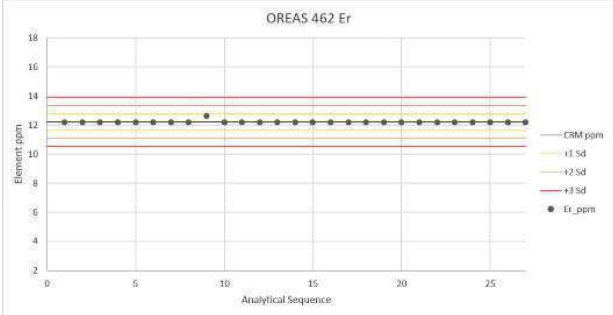


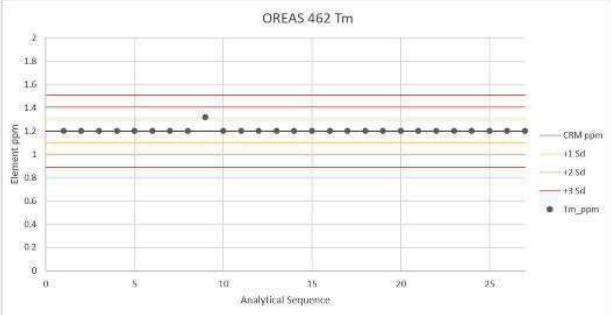


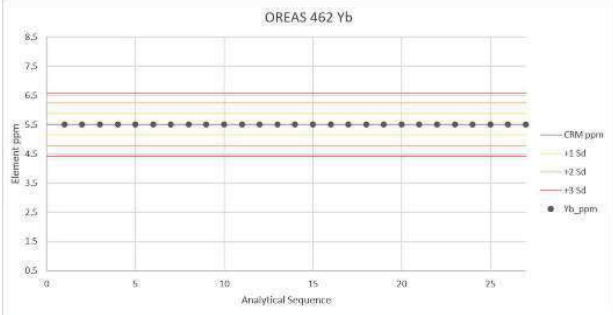


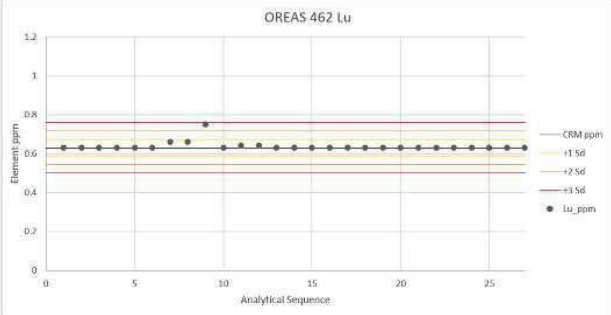

OREAS 462 Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm

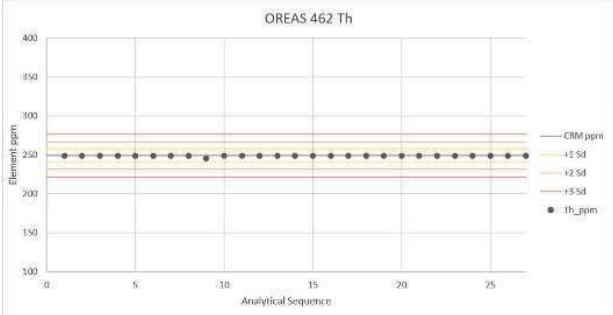

OREAS 462 Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

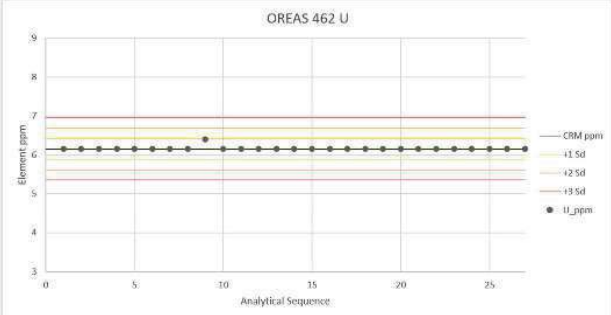

OREAS 462 Er
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Er_ppm

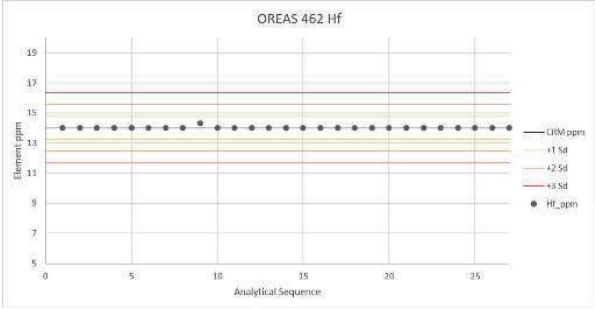

OREAS 462 Tm
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tm_ppm

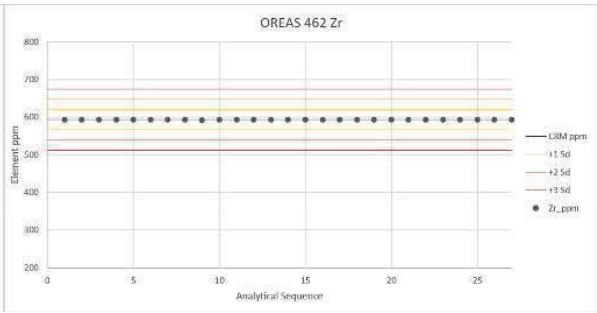

OREAS 462 Yb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Yb_ppm

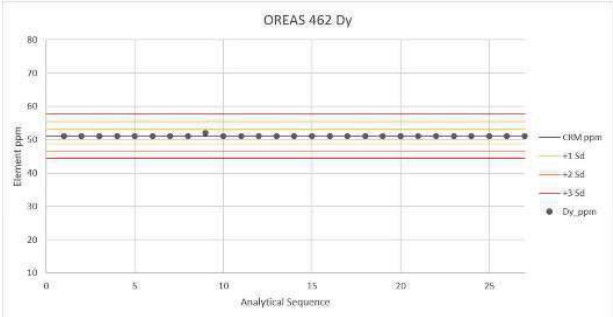

OREAS 462 Lu
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Lu_ppm

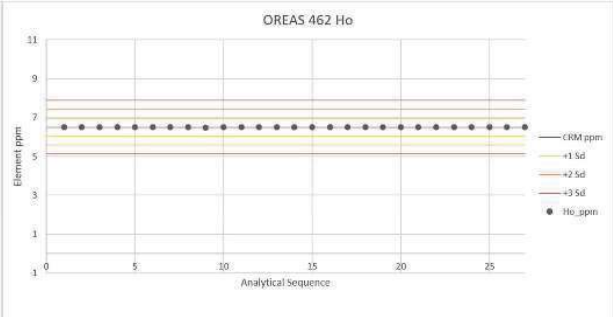

OREAS 462 Th
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Th_ppm

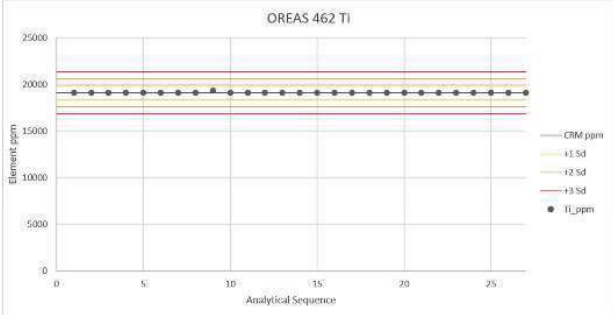

OREAS 462 U
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
U_ppm

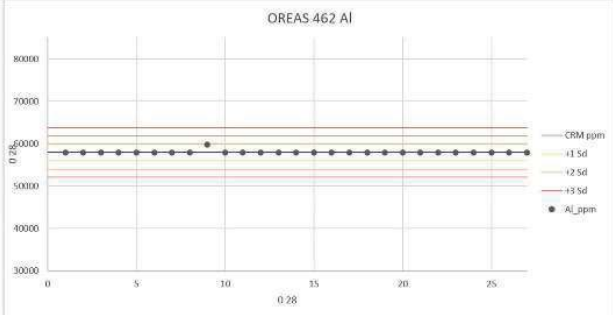

OREAS 462 Hf
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Hf_ppm

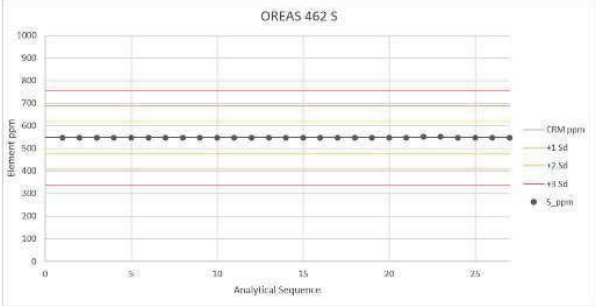

OREAS 462 Zr
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Zr_ppm

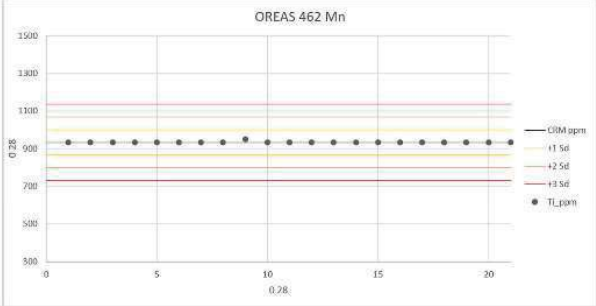

OREAS 462 Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm


OREAS 462 Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

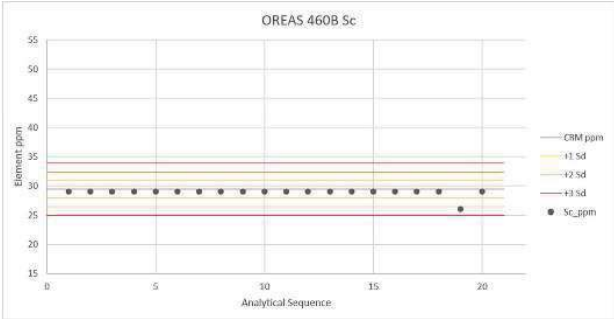

OREAS 462 Ti
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

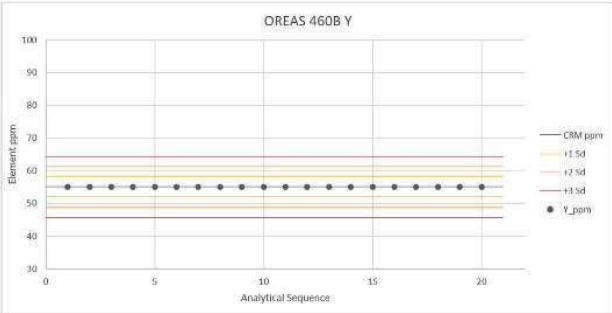

OREAS 462 Al
0.28
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Al_ppm

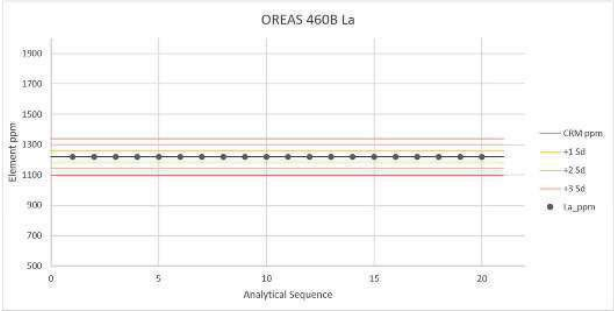

OREAS 462 S
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
S_ppm

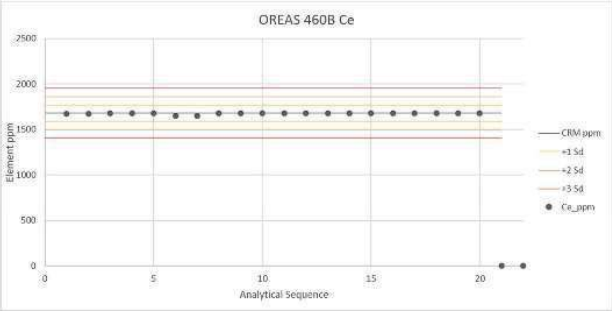

OREAS 462 Mn
0.28
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tl_ppm

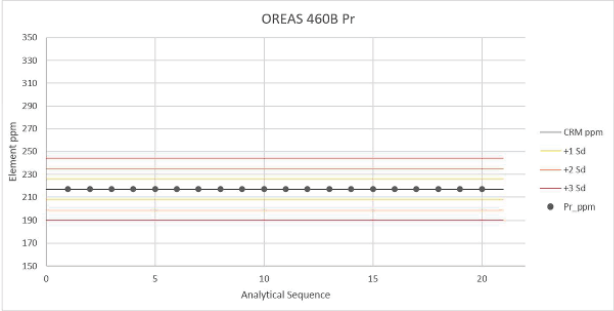
CRM OREAS 460B Stage 4 Graph Matrix

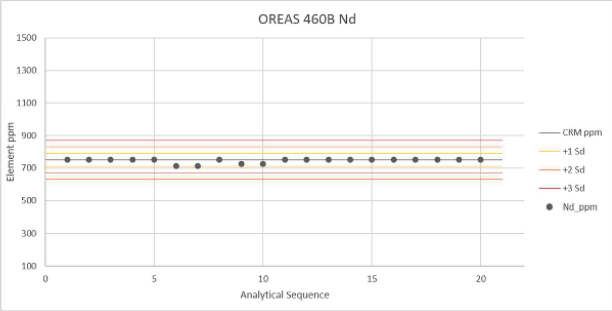


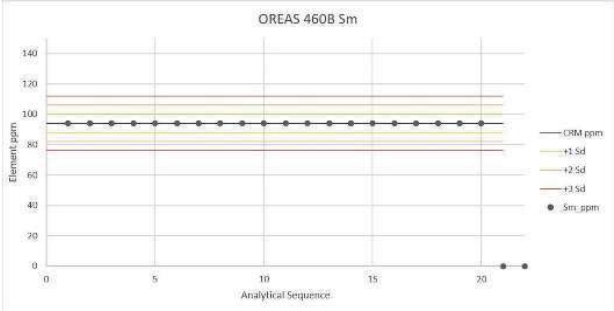


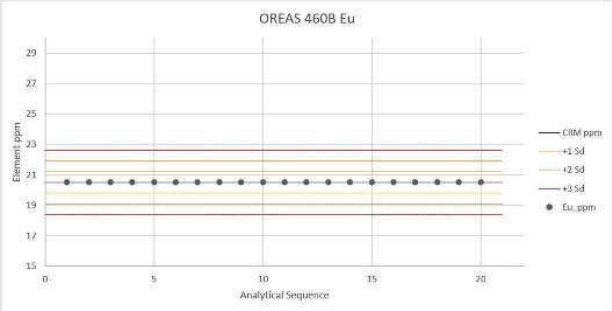


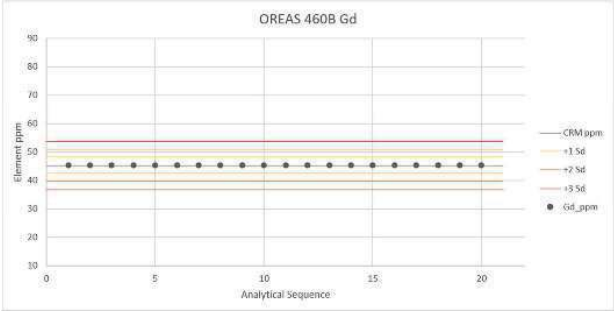


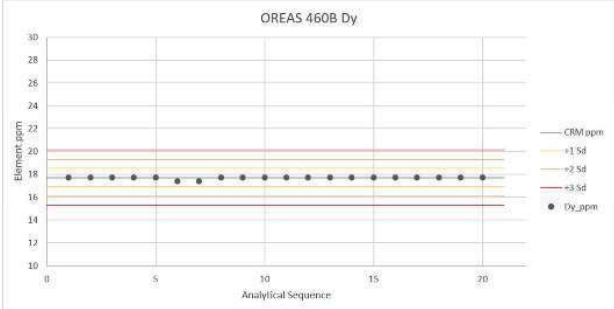


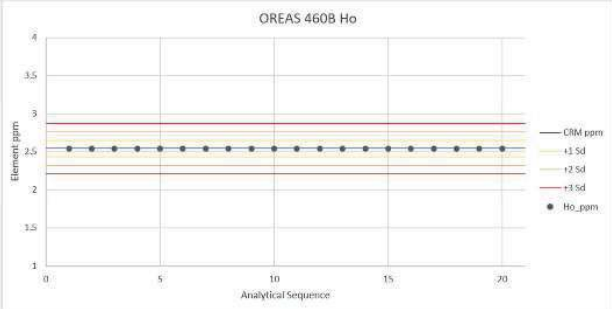


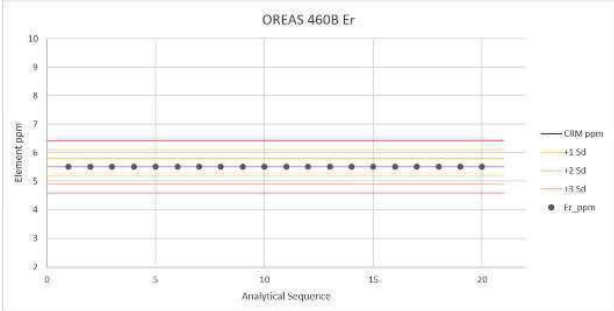


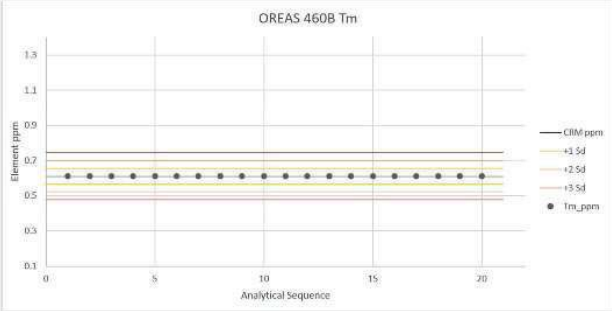


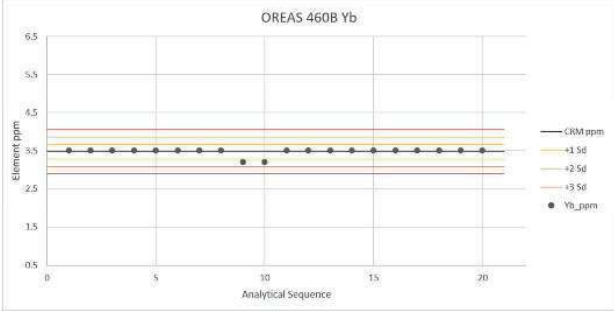


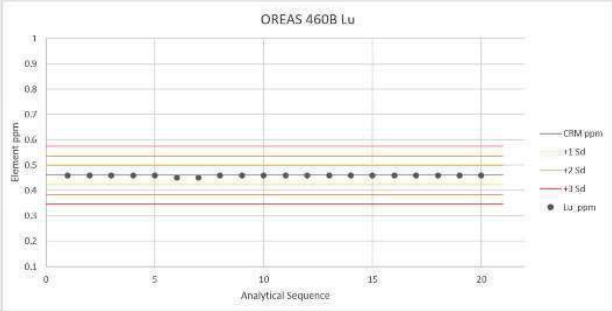

OREAS 460B Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm

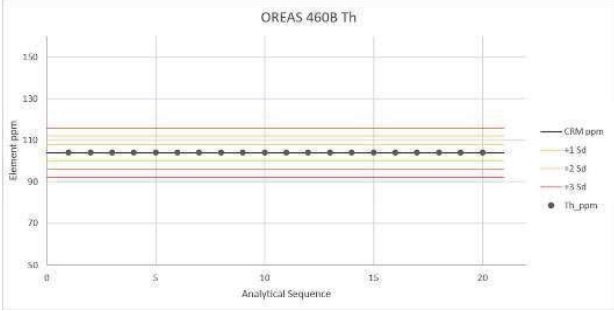

OREAS 460B Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

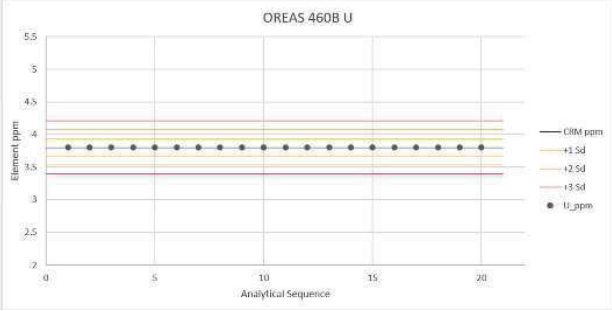

OREAS 460B Er
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Er_ppm

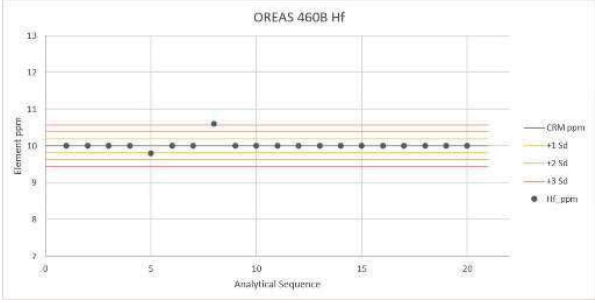

OREAS 460B Tm
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tm_ppm

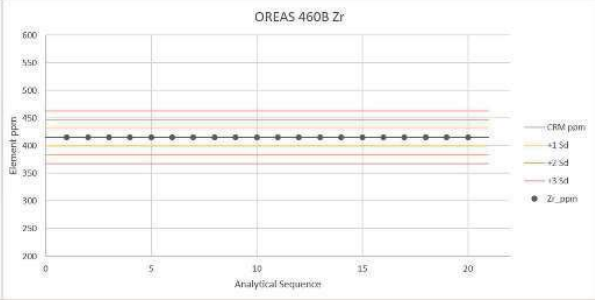

OREAS 460B Yb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Yb_ppm

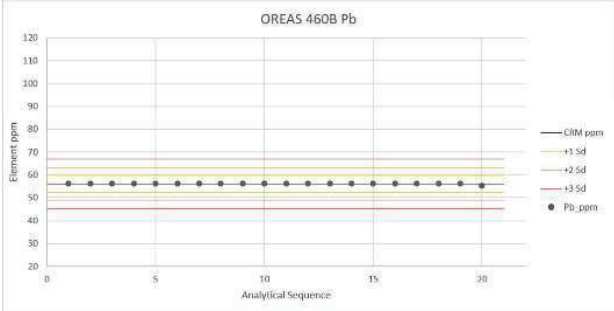

OREAS 460B Lu
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Lu_ppm

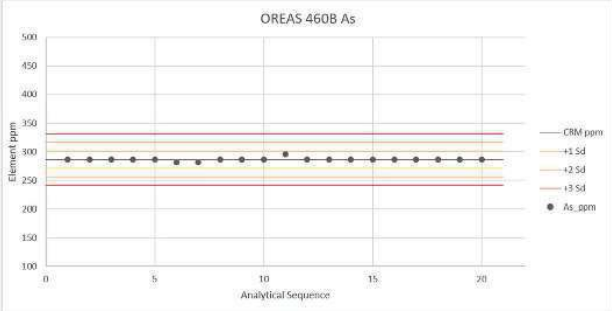

OREAS 460B Th
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Th_ppm

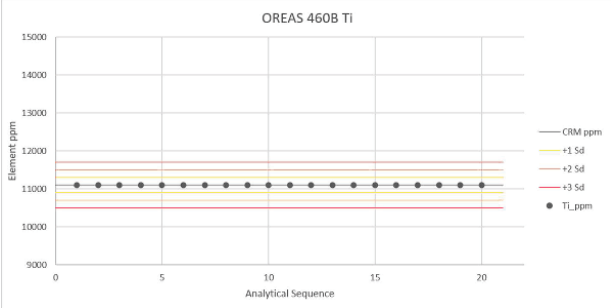

OREAS 460B U
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
U_ppm

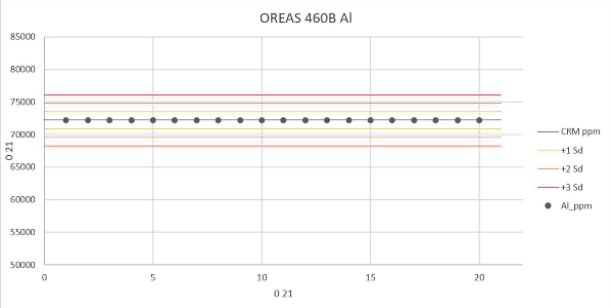

OREAS 460B Hf
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Hf_ppm

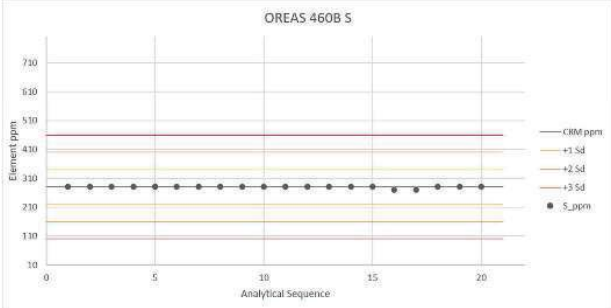

OREAS 460B Zr
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Zr_ppm

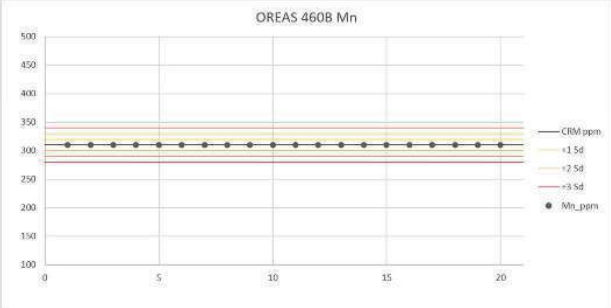

OREAS 460B Pb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Pb_ppm


OREAS 460B As
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
As_ppm

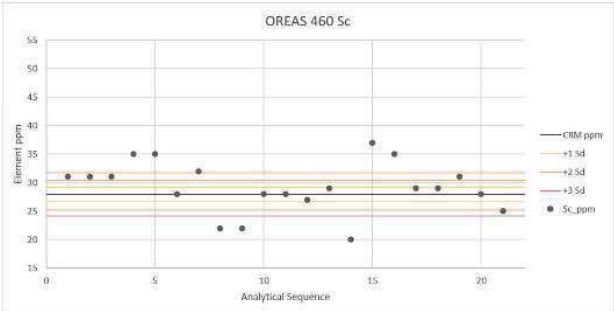

OREAS 460B Ti
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

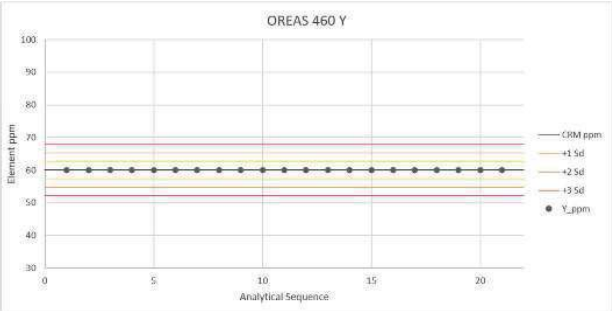

OREAS 460B Al
0 21
0 21
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Al_ppm

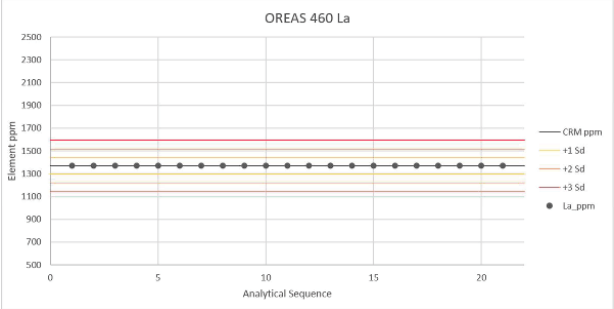

OREAS 460B S
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
S_ppm

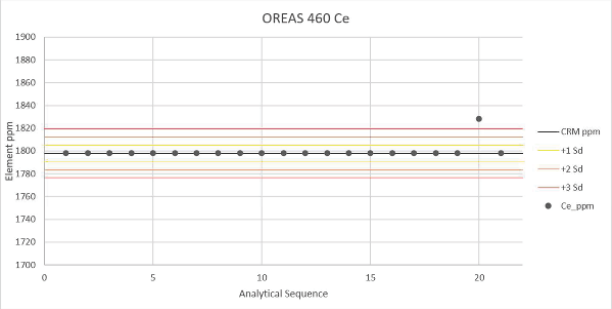

OREAS 460B Mn
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Mn_ppm

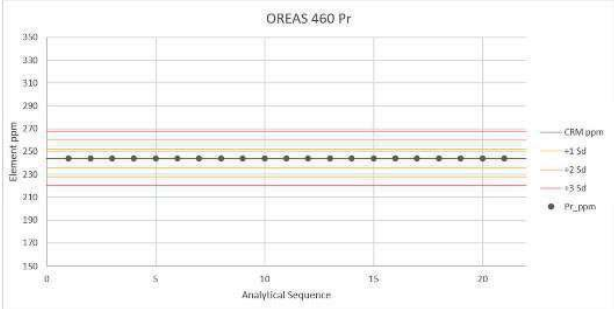
CRM OREAS 460 Stage 4 Graph Matrix

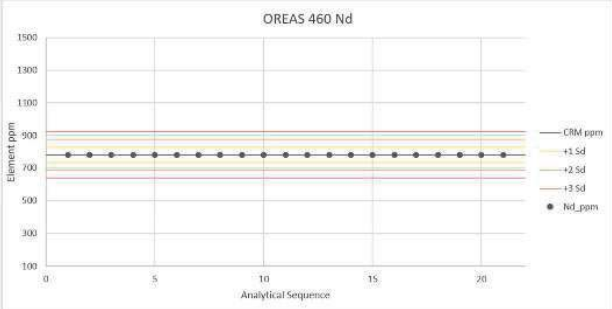


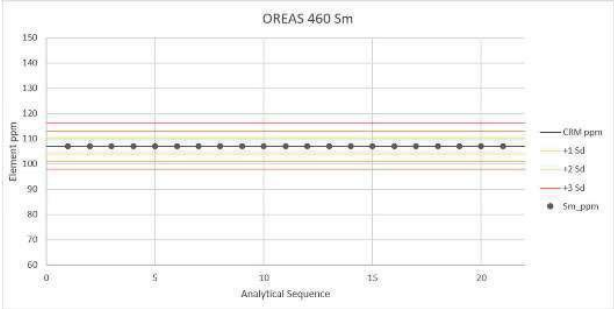


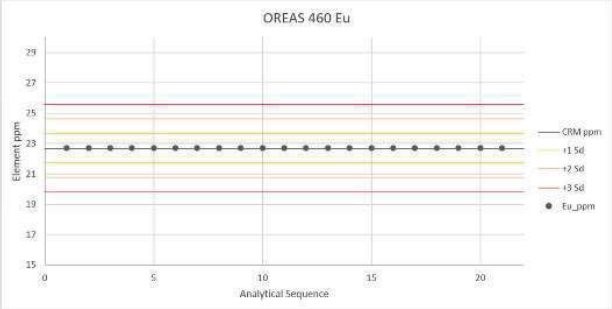


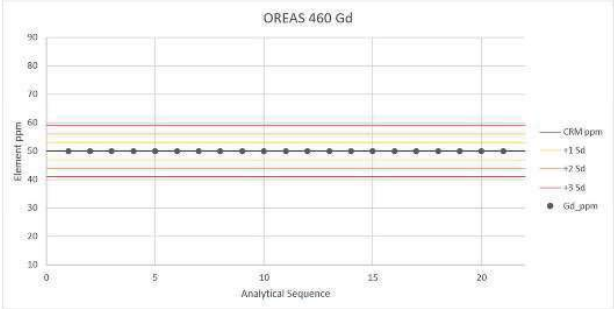


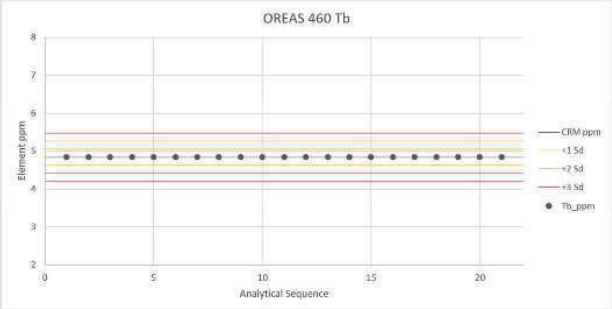


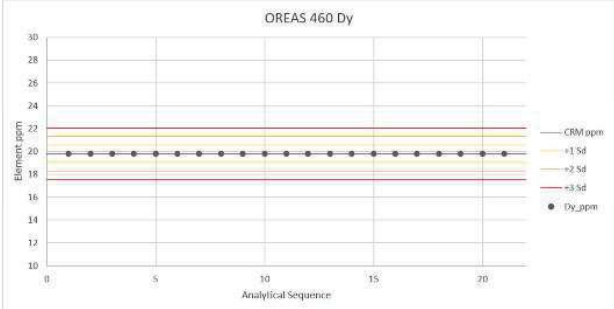


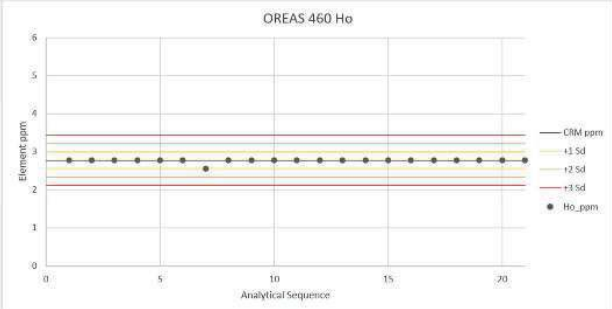


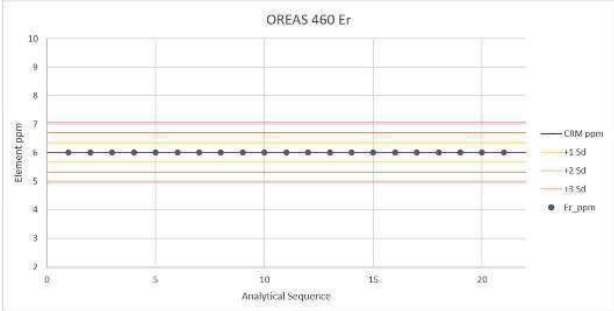


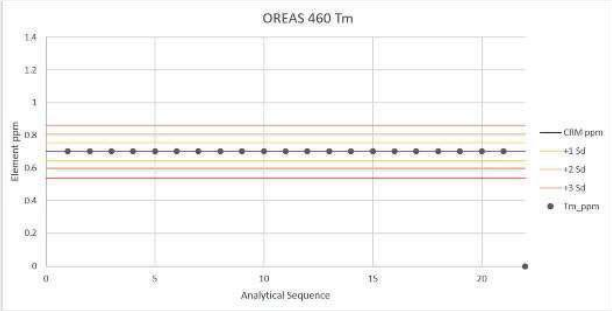


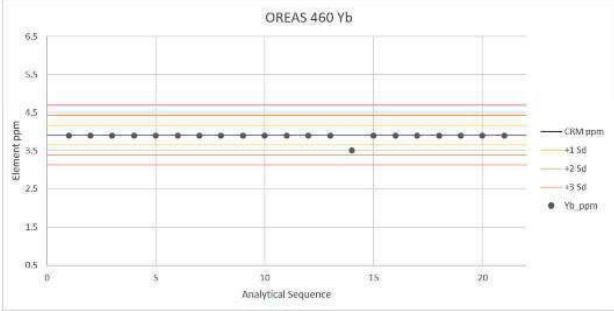


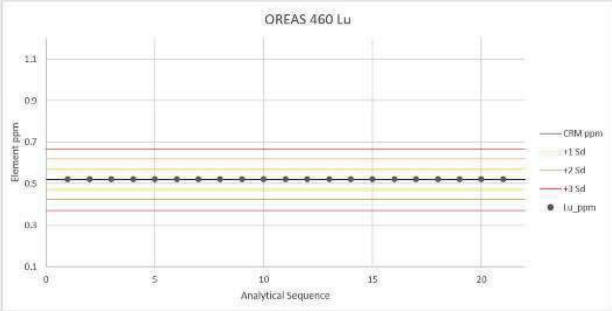

OREAS 460 Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm

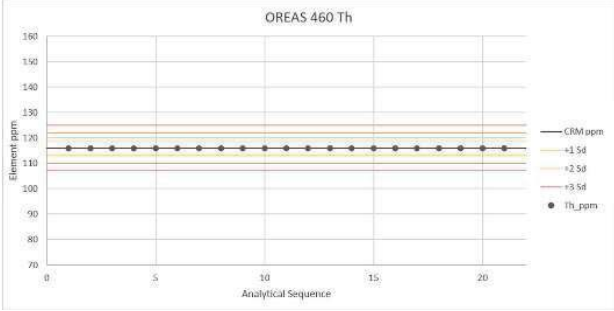

OREAS 460 Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

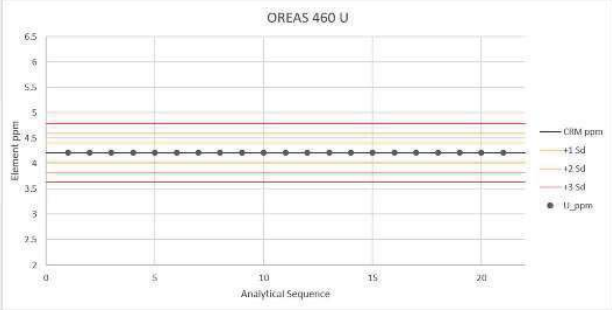

OREAS 460 Er
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Er_ppm

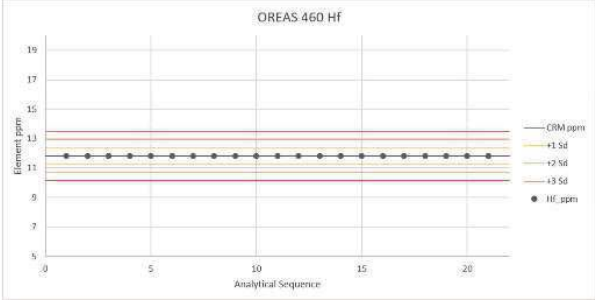

OREAS 460 Tm
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tm_ppm

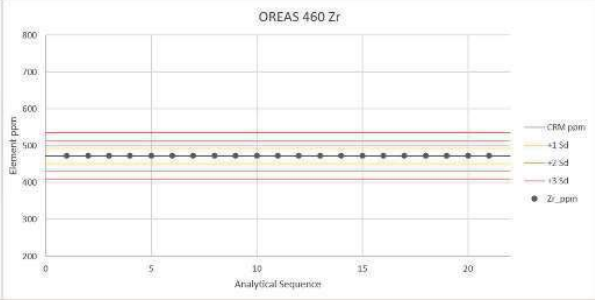

OREAS 460 Yb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Yb_ppm

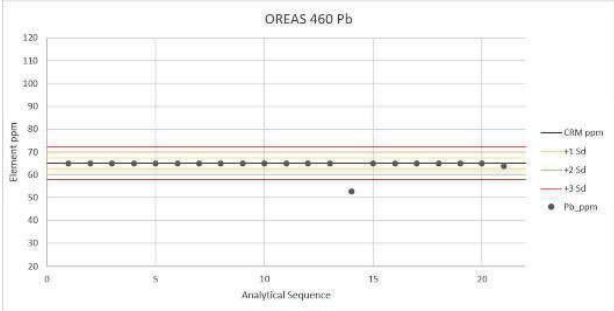

OREAS 460 Lu
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Lu_ppm

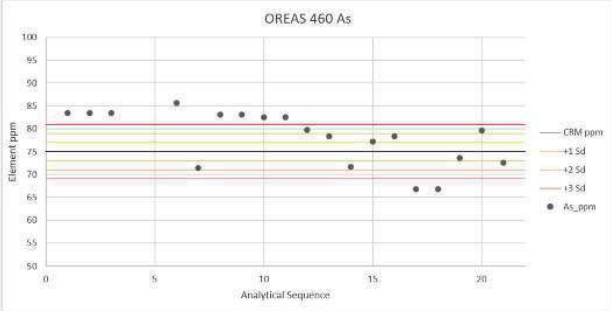

OREAS 460 Th
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Th_ppm

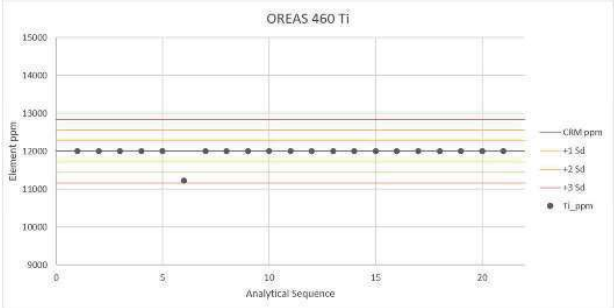

OREAS 460 U
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
U_ppm

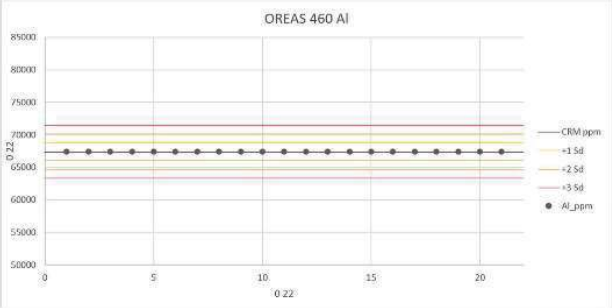

OREAS 460 Hf
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Hf_ppm

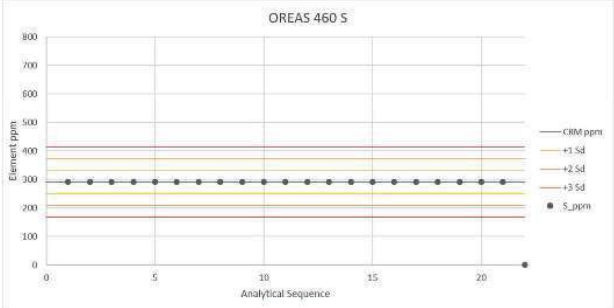

OREAS 460 Zr
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Zr_ppm

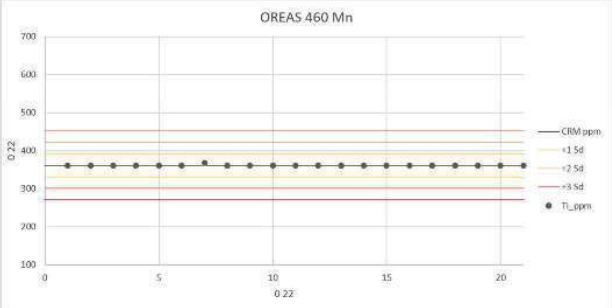

OREAS 460 Pb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Pb_ppm


OREAS 460 As
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
As_ppm

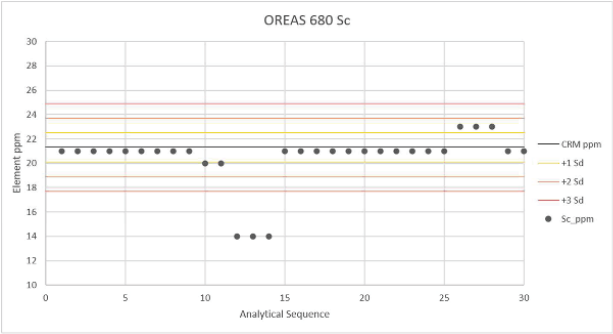

OREAS 460 Ti
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

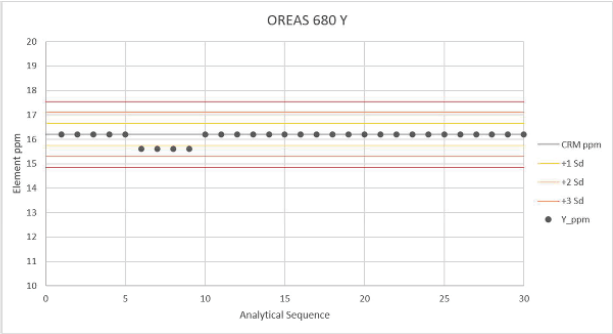

OREAS 460 Al
0 22
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Al_ppm

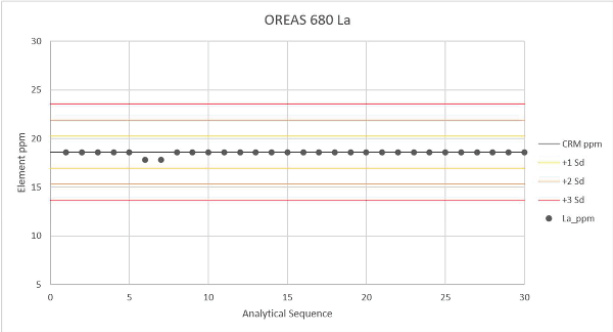

OREAS 460 S
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
S_ppm

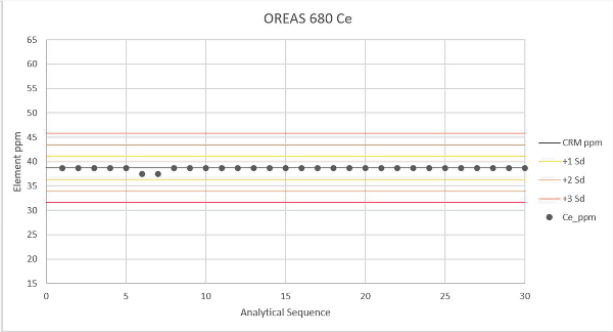

OREAS 460 Mn
0 22
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

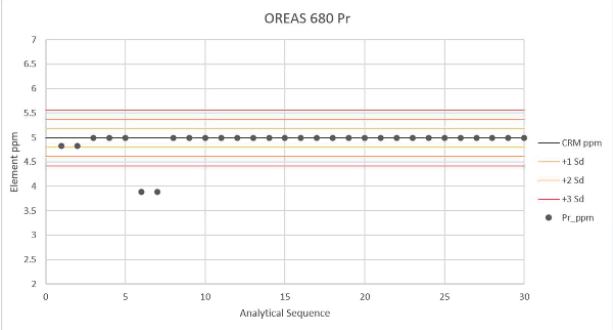
CRM OREAS 680 Stage 4 Graph Matrix

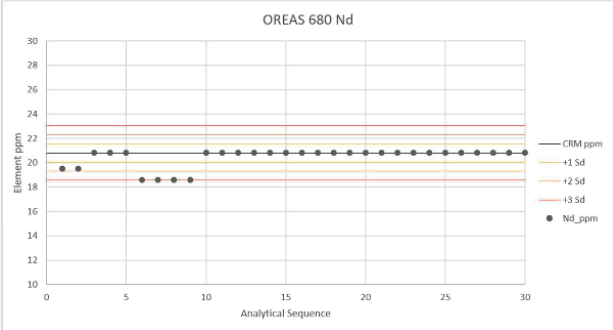


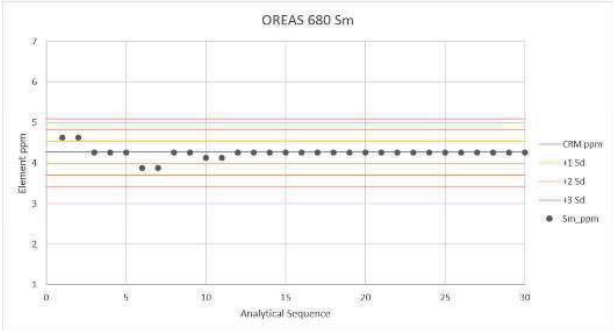


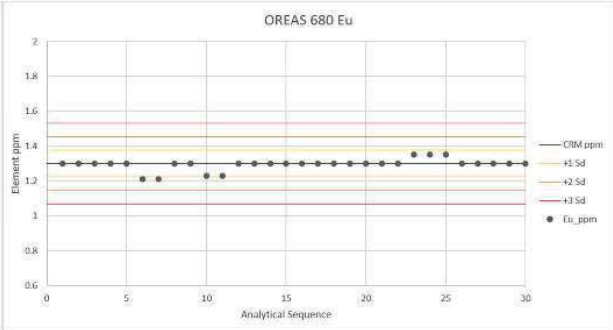


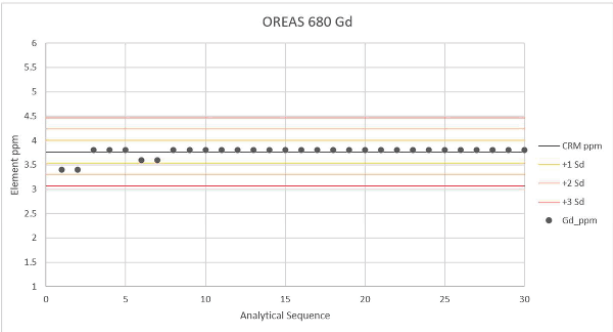


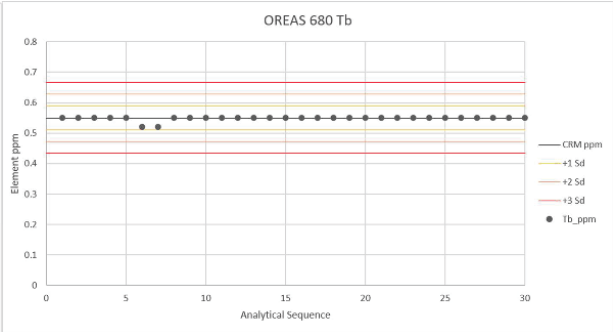


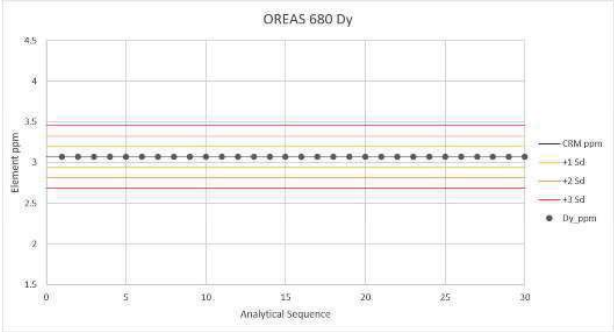


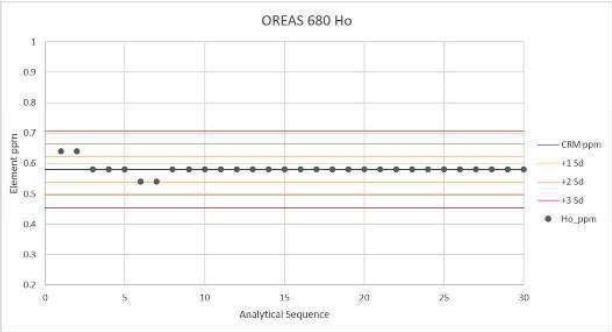


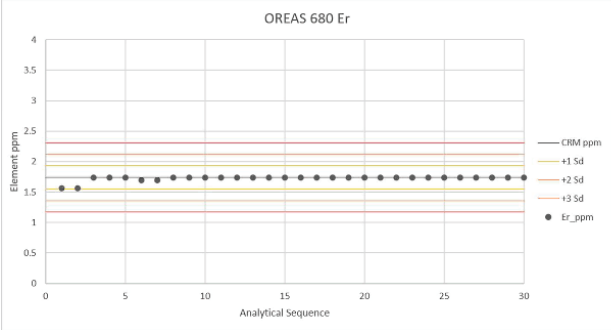


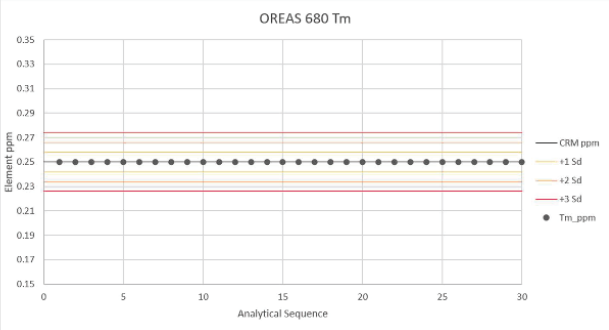


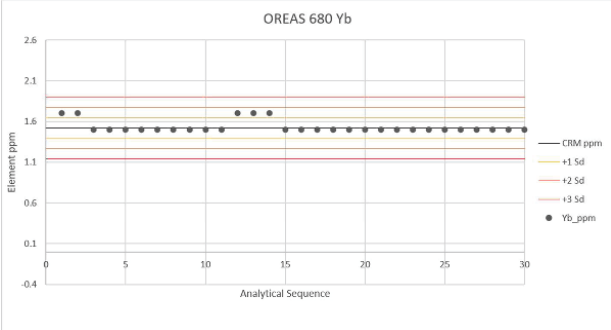


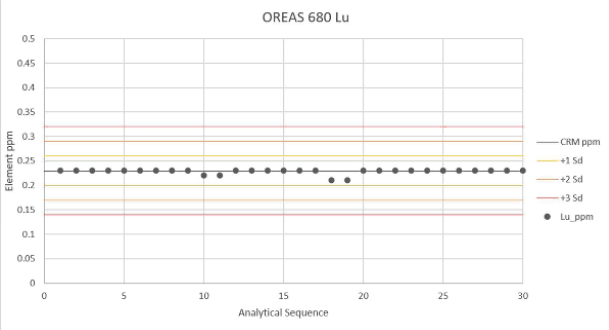

OREAS 680 Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm

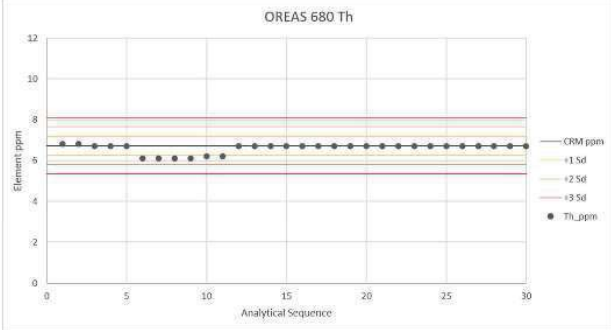

OREAS 680 Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

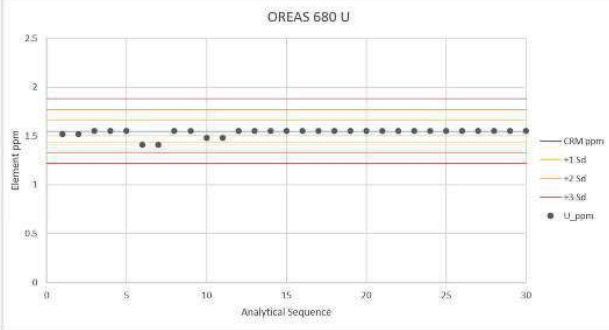

OREAS 680 Er
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Er_ppm

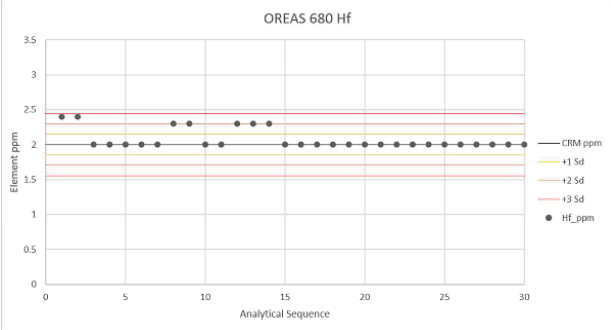

OREAS 680 Tm
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tm_ppm

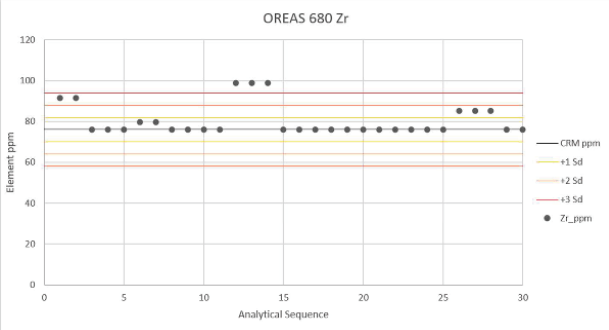

OREAS 680 Yb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Yb_ppm

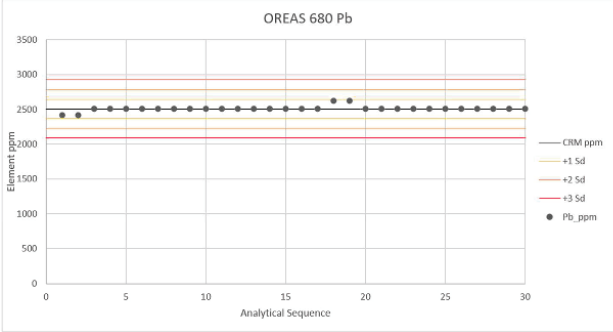

OREAS 680 Lu
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Lu_ppm

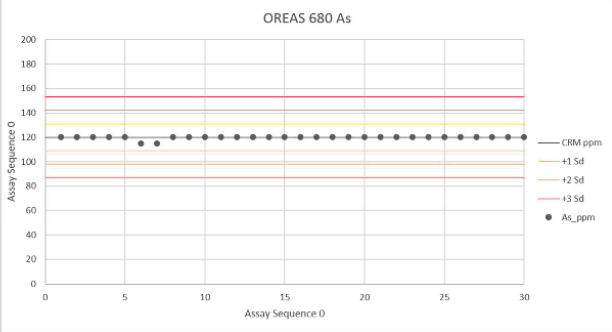

OREAS 680 Th
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Th_ppm

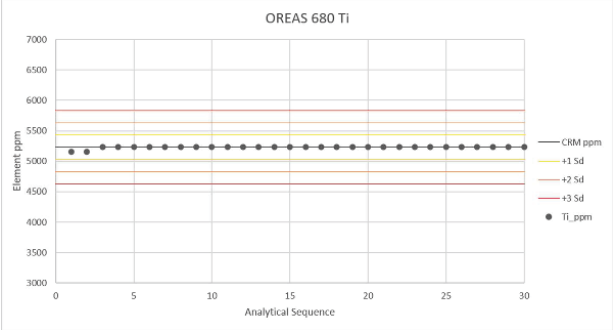

OREAS 680 U
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
U_ppm

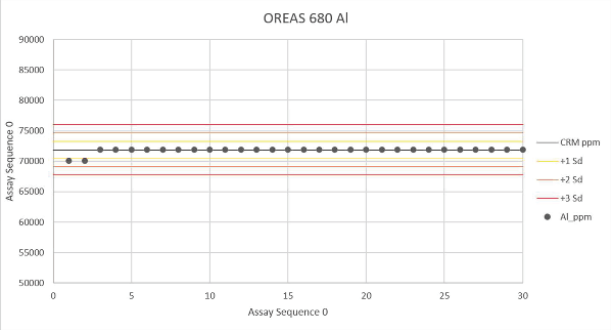

OREAS 680 Hf
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Hf_ppm

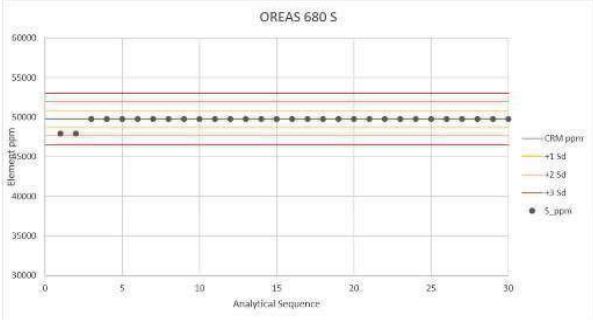

OREAS 680 Zr
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Zr_ppm

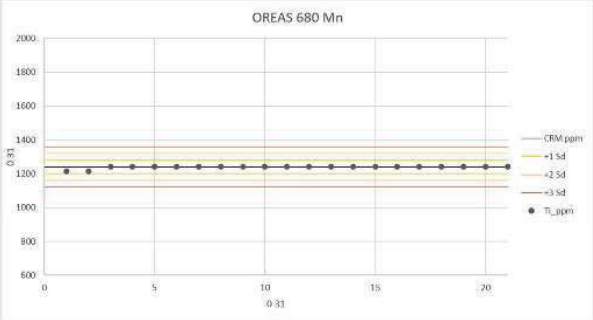

OREAS 680 Pb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Pb_ppm


OREAS 680 As
Assay Sequence 0
Assay Sequence 0
CRM ppm
+1 Sd
+2 Sd
+3 Sd
As_ppm

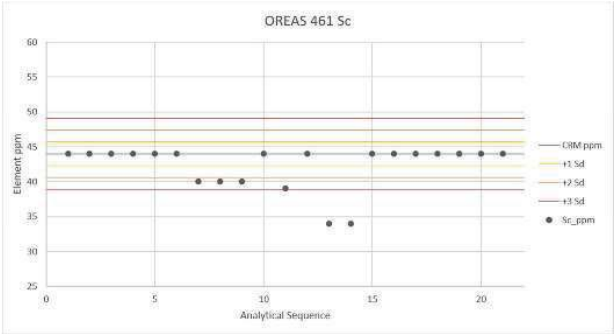

OREAS 680 Ti
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

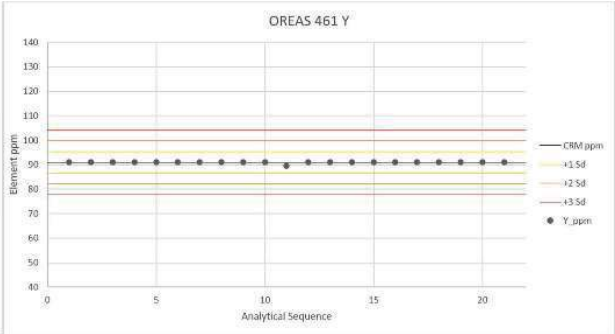

OREAS 680 Al
Assay Sequence 0
Assay Sequence 0
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Al_ppm

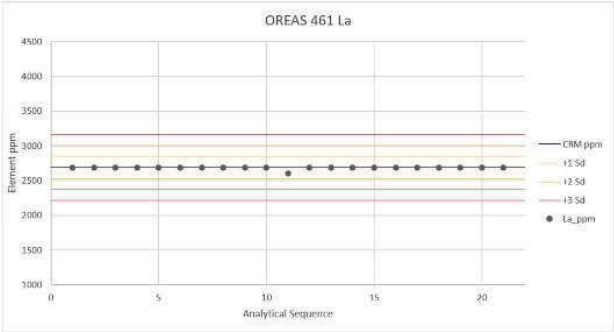

OREAS 680 S
Elemgst ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
S_ppm

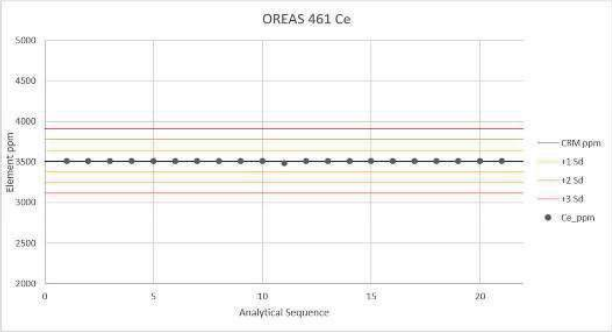

OREAS 680 Mn
0 31
0 31
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm

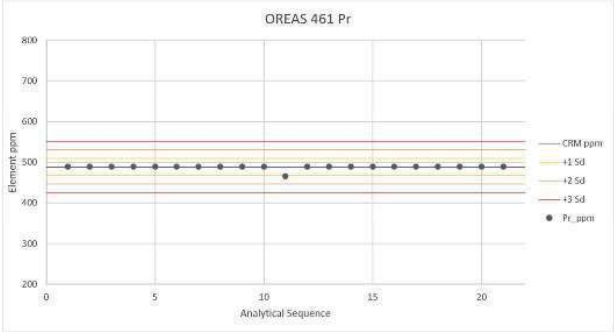
CRM OREAS 461 Stage 4 Graph Matrix

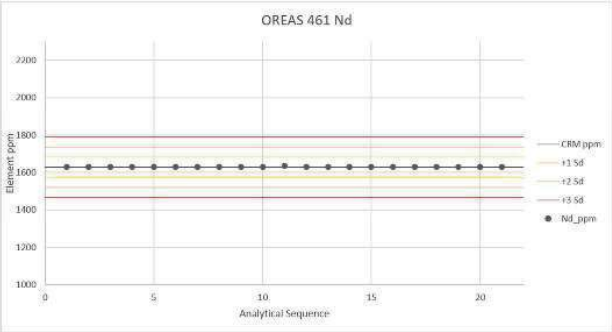


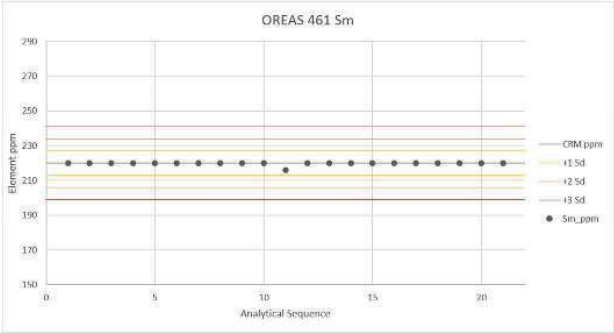


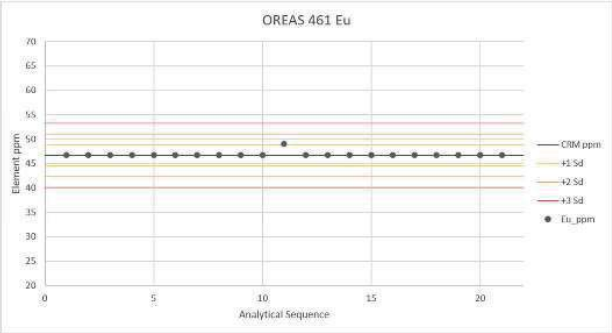


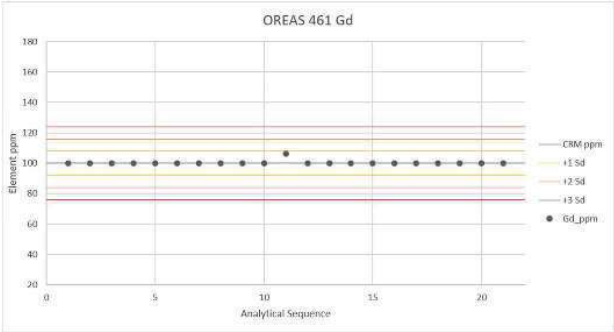


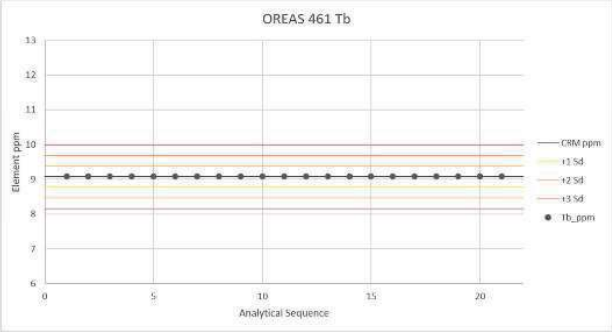


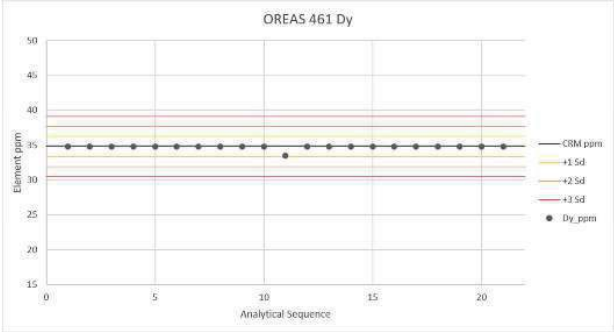


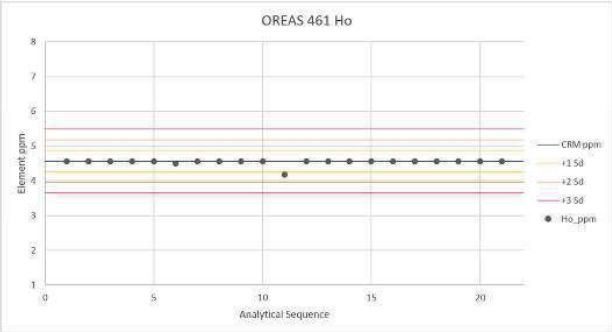


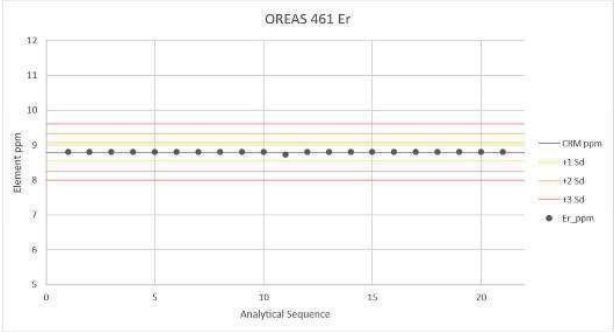


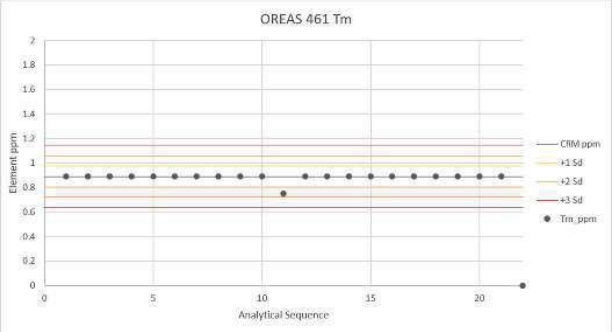


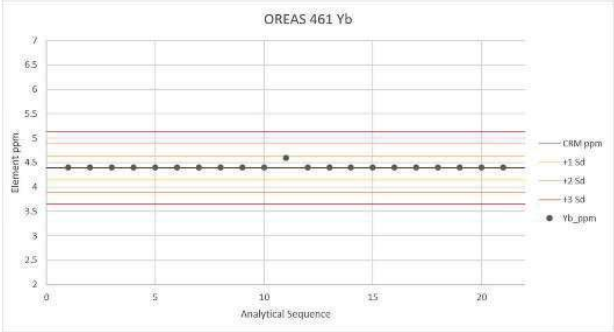


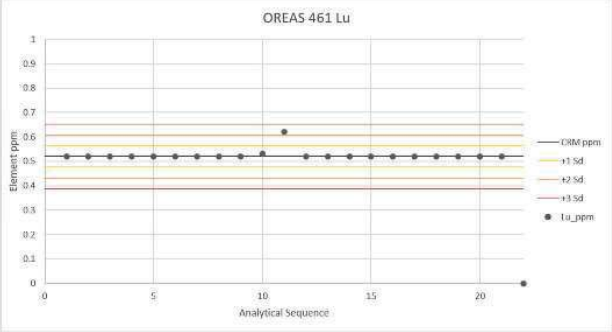

OREAS 461 Dy
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Dy_ppm

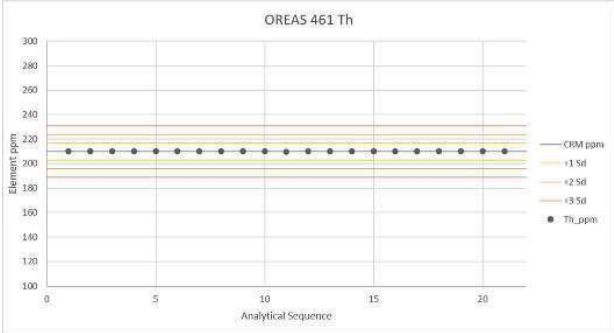

OREAS 461 Ho
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ho_ppm

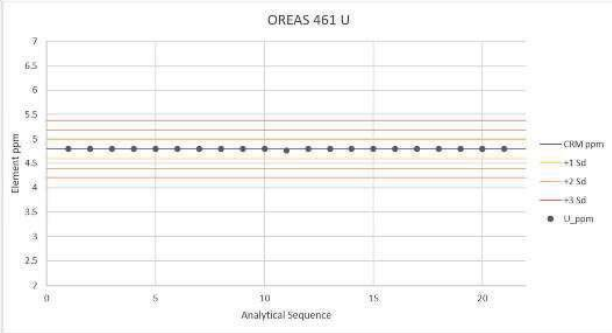

OREAS 461 Er
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Er_ppm

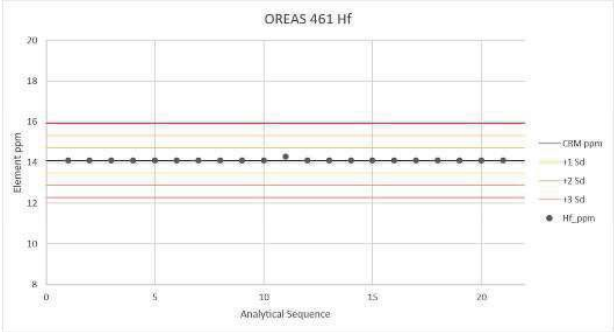

OREAS 461 Tm
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Tm_ppm

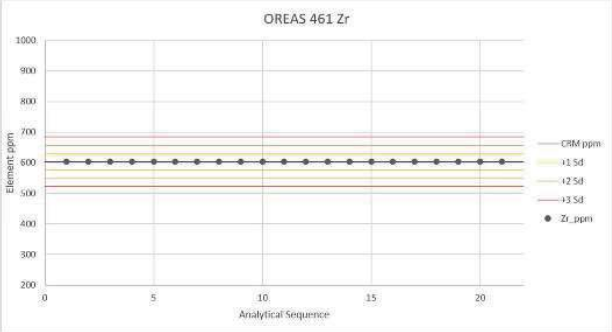

OREAS 461 Yb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Yb_ppm

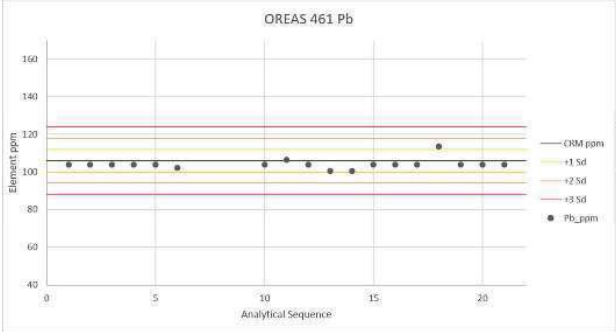

OREAS 461 Lu
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Lu_ppm

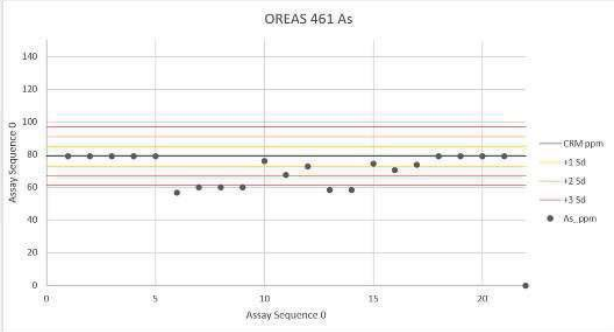

OREAS 461 Th
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Th_ppm

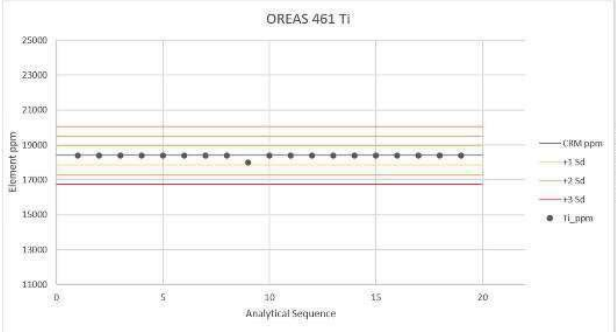

OREAS 461 U
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
U_ppm

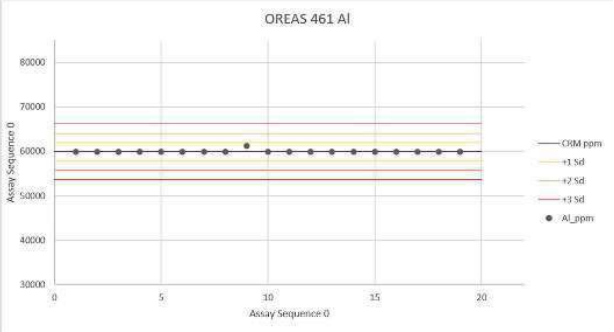

OREAS 461 Hf
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Hf_ppm

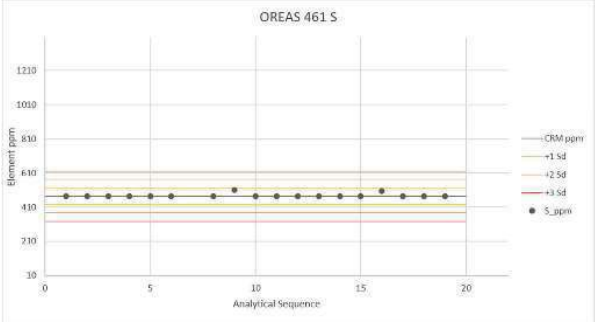

OREAS 461 Zr
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Zr_ppm

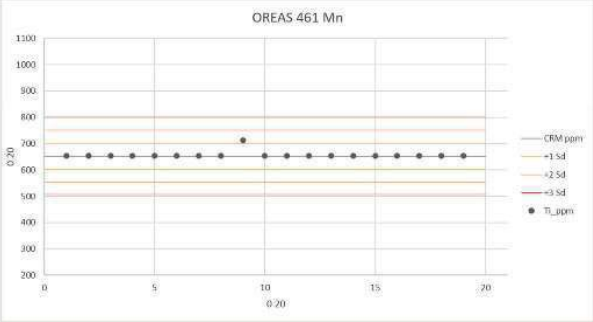

OREAS 461 Pb
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Pb_ppm


OREAS 461 As
Assay Sequence 0
Assay Sequence 0
CRM ppm
+1 Sd
+2 Sd
+3 Sd
As_ppm


OREAS 461 Ti
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm


OREAS 461 Al
Assay Sequence 0
Assay Sequence 0
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Al_ppm


OREAS 461 S
Element ppm
Analytical Sequence
CRM ppm
+1 Sd
+2 Sd
+3 Sd
S_ppm


OREAS 461 Mn
0-20
0-20
CRM ppm
+1 Sd
+2 Sd
+3 Sd
Ti_ppm