OUTSTANDING HIGH GRADE REE DIAMOND DRILL RESULTS 0.43% TREO WITH 28% HREO TANBREEZ GREENLAND

European Lithium Ltd (ASX: EUR, FRA:PF8, OTC: EULIF) (European Lithium or the Company) is pleased to publish for the first time, the assay results of eleven deep diamond drill holes from the Tanbreez Project in Greenland drilled in 2007 and 2013 at the Fjord Deposit.

The Tanbreez Project is operated by Tanbreez Mining Greenland A/S and is currently under the ownership of Critical Metals Corp. (NASDAQ: CRML) (Critical Metals or CRML), which currently holds a 42% interest with the right to earn 92.5% interest, with European Lithium holding a 7.5% interest. European Lithium currently holds approximately 63% of the issued capital in CRML.

Highlights – New Diamond Drill Hole Results

The weighted average[1] grade - 0.43% TREO with 28% HREO plus 1.44% ZrO_2.

Diamond Drill Hole	Interval metres Grade (TREO) %	Grade (HREO) %	Grade (ZrO_2)
DDH-07-06	47.65m at 0.38% TREO	28% HREO	1.35% ZrO_2
DDH-07-07	99.33m at 0.43% TREO	28% HREO	1.50%ZrO_2
DDH-07-08	118.37m at 0.49% TREO	29% HREO	1.79% ZrO_2
DDH-07-09	72.96m at 0.51% TREO	29% HREO	1.90% ZrO_2
DDH-07-10	133.61m at 0.41% TREO	28% HREO	1.54% ZrO_2
DDH-07-11	247.75m at 0.33% TREO	27% HREO	0.82% ZrO_2
DDH-07-12	76.50m at 0.41% TREO	29% HREO	1.40% ZrO_2
DDH-07-13	79.12m at 0.46% TREO	27% HREO	1.23% ZrO_2
DDH-07-14	240.89m at 0.48% TREO	29% HREO	1.57% ZrO_2
DDH 13-011	60.50m at 0.49% TREO	27% HREO	1.93% ZrO_2
DDH 13-016	38.95m at 0.49% TREO	28% HREO	1.93% ZrO_2

[1] Weighted average grade estimated: SUM (interval x grade) divided by SUM (interval)

Figure 1 – 30 May 2025 site inspection Fjord deposit drill hole collars DDH 07-06 to DDH 07-10. Mr Greg Barnes (Tanbreez Mining Greenland A/S), & Company Geologist Mr George Karageorge

Highlights – Recent Diamond Drill Hole Results

Hole ID	From	To	Interval	Total Depth	TREO	HREO[2]	ZrO_2	Ta_2O_5	Nb_2O_5	ZrO_2:TREO	U
	(m)	(m)	(m)	(m)	(%)	(%)	(%)	(ppm)	(ppm)	Ratio	(ppm)
FJORD DEPOSIT AREA											
DDH-07-06	23.32	70.97	47.65	99.00	0.38%	28%	1.35%	101		3.55	BDL
DDH-07-07	3.99	103.32	99.33	111.00	0.43%	28%	1.50%	99		3.49	BDL
DDH-07-08	4.38	122.75	118.37	171.00	0.49%	29%	1.79%	101		3.65	BDL
DDH-07-09	3.65	76.60	72.96	168.00	0.51%	29%	1.90%	96		3.73	BDL
DDH-07-10	3.08	136.69	133.61	150.00	0.41%	28%	1.54%	102		3.76	BDL
DDH-07-11	1.26	249.00	247.75	249.00	0.33%	27%	0.82%	67		2.48	BDL
DDH-07-12	1.52	78.02	76.50	78.00	0.41%	29%	1.40%	70		3.41	BDL
DDH-13-001	0.0	52.00	52.00	51.50	0.43%	25.60%	1.70%		1750	3.95	NA
DDH-13-003	0.0	43.00	43.00	52.00	0.41%	26.98%	1.67%		1790	4.07	18
DDH-13-009	0.0	59.00	59.00	64.00	0.48%	27.12%	1.91%		1920	3.98	NA
DDH-13-011	0.0	60.50	60.50	62.00	0.49%	27%	1.93%		1920	3.94	17
DDH-13-012	0.0	52.00	52.00	80.00	0.39%	26.55%	1.51%		1600	3.87	15
DDH-13-015A	0.0	65.00	65.00	72.00	0.41%	26.13%	1.58%		1660	3.85	15
DDH-13-015B	0.0	46.00	46.00	52.00	0.38%	26.94%	1.53%		1520	4.03	NA
DDH-13-016	3.00	41.95	38.95	68.00	0.49%	28%	1.93%		2010	3.94	17
A1-24	0.0	40.00	40.00	40.00	0.47%	26.96%	1.82%	131	1850	3.87	18
Weighted Average		**1,212.62**			**0.42%**	**27.58%**	**1.48%**	**90**	**1800**	**3.51**	
HILL DEPOSIT AREA											
DDH-07-13	2.51	81.63	79.12	85.2	0.46%	27%	1.23%	69		2.67	BDL
DDH-07-14	2.11	243.00	240.89	243	0.48%	29%	1.57%	68		3.27	BDL
DX-02	0.0	195	195	195	0.42%	24%	0.91%	63	1290		19
D306-13	0.0	328	328	328	0.45%	27%	1.7%		2480		NA
DX-01	0.0	338	338	338	0.42%	24.45%	2.45%	73	1170		21

Table 1 - Recent Drill Hole Results (announced 18 March 2025, 28 March 2025, 12 May 2025 and 9 June 2025) – holes DDH-07-06 to DDH-07-10 were drilled from the same collar location

BDL = Below Detection Limit NA = Not Assayed

New Drill Hole Results Locations within the Fjord Deposit Area

Today's announcement publishes new results for drill holes drilled through the Fjord deposit and extended below the Mineral Resource Estimate (MRE) for the Fjord deposit (see ASX Announcement 13 March and 29 May 2025). The MRE assessed the eudialyte component of the kakortokite limited to the material above sea level. The deeper drill holes identified rare earth mineralisation at similar grades within the kakortokite unit below and within the MRE.

Hole ID	Easting	Northing	Elevation	Dip	Azimuth	Total Depth
DDH-07-06	452770	6748174	62	-45	232	99
DDH-07-07	452770	6748174	62	-60	232	111
DDH-07-08	452770	6748174	62	-45	322	171
DDH-07-09	452770	6748174	62	-45	52	168
DDH-07-10	452770	6748174	62	-45	142	150
DDH-07-11	452810	6748417	25	-80	160	249
DDH-07-12	452899	6748332	77	-90	0	78
DDH-07-13	453160	6747889	326	-45	200	85.2
DDH-07-14	453160	6747889	326	-60	290	243
DDH 13-011	452789	6748314	41	-90	-90	62
DDH 13-016	452840	6748225	64	-90	-90	68

Table 2 – New drill hole locations

See drill hole collars Table2 and Figure 2 and assay reports Appendix 1, 2 and 3 pursuant to ASX Listing Rule 5.7.2.

These drill holes drilled through the Fjord deposit and extended below the Mineral Resource Estimate (MRE) for the Fjord deposit (see ASX Announcement 13 March and 29 May 2025). The MRE assessed the eudialyte component of the kakortokite limited to the material above sea level. The deeper drill holes identified rare earth mineralisation at similar grades within the kakortokite unit below the MRE.

Commenting on the assay results, Tony Sage, Executive Chairman of the Company, said:

"I am further encouraged by the latest deep diamond drill hole results, revealing exceptional assay results over wider and deeper mineralization.

Tanbreez continues to yield consistent high-grade drilling results presenting the Company with a compelling opportunity to increase our current Maiden Resource with our forthcoming 2024 results and 2025 drilling programs due to start in the coming month.

Our exploration and in-country field crews are currently on the ground at Tanbreez organizing the forthcoming field season preparing for resource and exploration drilling.

The Company recently announce the MRE of ~45MT @ 0.38% TREO for the eudialyte component and 180 Mt for the industrial mineral by-products of feldspar and arfvedsonite, together with the robust economic results from the Tanbreez Scoping Study showing the NPV of US$2.4 ~US$3.0 billion on a 10% and 8% discount and an IRR of 162% before tax.

We are finalizing highly experienced in-country management and project teams in Greenland, Australia, and the USA, advancing Tanbreez into a fully-fledged development project"

Deep Drill Hole Results

The new deep hole results announced today presents a compelling opportunity for the Company to increase the existing JORC 2012 MRE over the Tanbreez Fjord Deposit with infill and extension drilling between all historical diamond and RC drill holes (ASX Announcement reported on 13 March 2025).

- DDH- 007-06, DDH-007-07, DDH- 007-08, DDH- 007-09, DDH-007-010, were drilled from the same location as a fan of holes into the kakortokite above sea level (except DDH -007-08 and DDH-007-10). DDH-007-12 was drilled between the fan of holes and the fjord coastline down to sea level and DDH-007-11 drilled to 21m below sea level. These holes were included in the MRE.
- DDH-007-08 and DDH-007-011 drilled below sea level. These holes confirmed extension of the TREO mineralisation below the MRE.
- DDH-007-013 and DDH-007-14 were collared 264 metres above the fan of holes and confirmed extensions to the TREO mineralisation to the south of the MRE.
- DDH 13-011, DDH 13-016 were drilled between the fan of holes and DDH 007-11 and 12.
- Drill hole intervals were assayed for a full suite of rare earth oxides plus zirconium oxide, tantalum oxide, and niobium oxide (See table 3 and figures 4, 5, and 6)

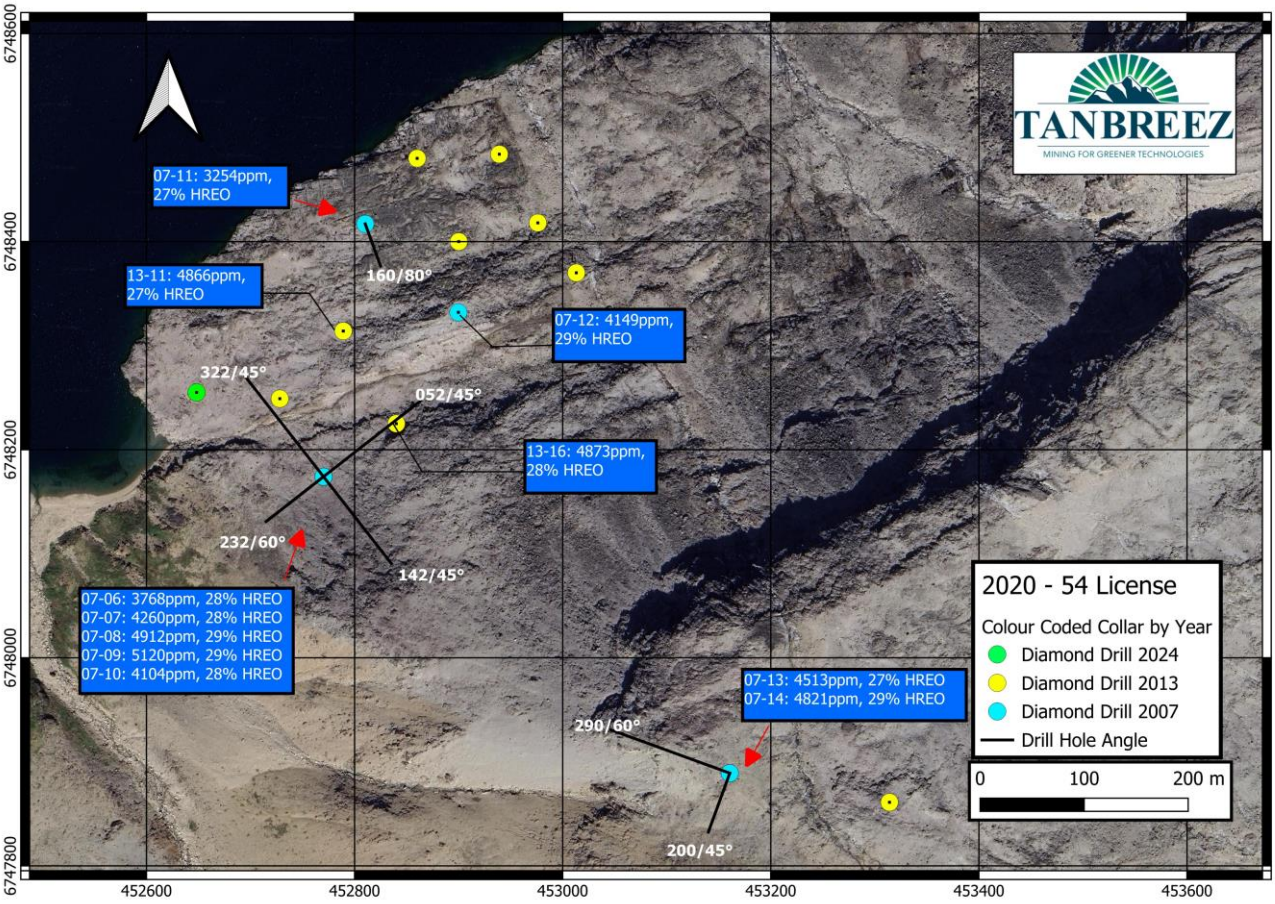

Figure 2 Drillhole collar positions for the new deep diamond holes in the Fjord Deposit area with the average assay results from surface with the TREO and HREO in ppm in blue boxes.

Today's announcement reports assay results confirming deep and highly mineralised TREO for each drill hole ranging from 0.33% to 0.51% with a weighted average of 0.43% TREO containing 28% HREO hosted within the vast Kakortokite rock and over the Fjord Deposit for the eudialyte component MRE of 22.6MT @ 0.43% TREO including 26% HREO (See Table 1 and Appendices 1,2,3).

Hole ID	From (m)	To (m)	Interval (m)	Total Depth (m)	TREO (%)	HREO (%)	ZrO_2 (%)
DDH-07-06	23.32	70.97	47.65	99.00	0.38%	28%	1.35%
DDH-07-07	3.99	103.32	99.33	111.00	0.43%	28%	1.50%
DDH-07-08	4.38	122.75	118.37	171.00	0.49%	29%	1.79%
DDH-07-09	3.65	76.60	72.96	168.00	0.51%	29%	1.90%
DDH-07-10	3.08	136.69	133.61	150.00	0.41%	28%	1.54%
DDH-07-11	1.26	249.00	247.75	249.00	0.33%	27%	0.82%
DDH-07-12	1.52	78.02	76.50	78.00	0.41%	29%	1.40%
DDH-07-13	2.51	81.63	79.12	85.20	0.46%	27%	1.23%

Table 3 - Assayed intersections in the 2007 and 2013 drilling announced today

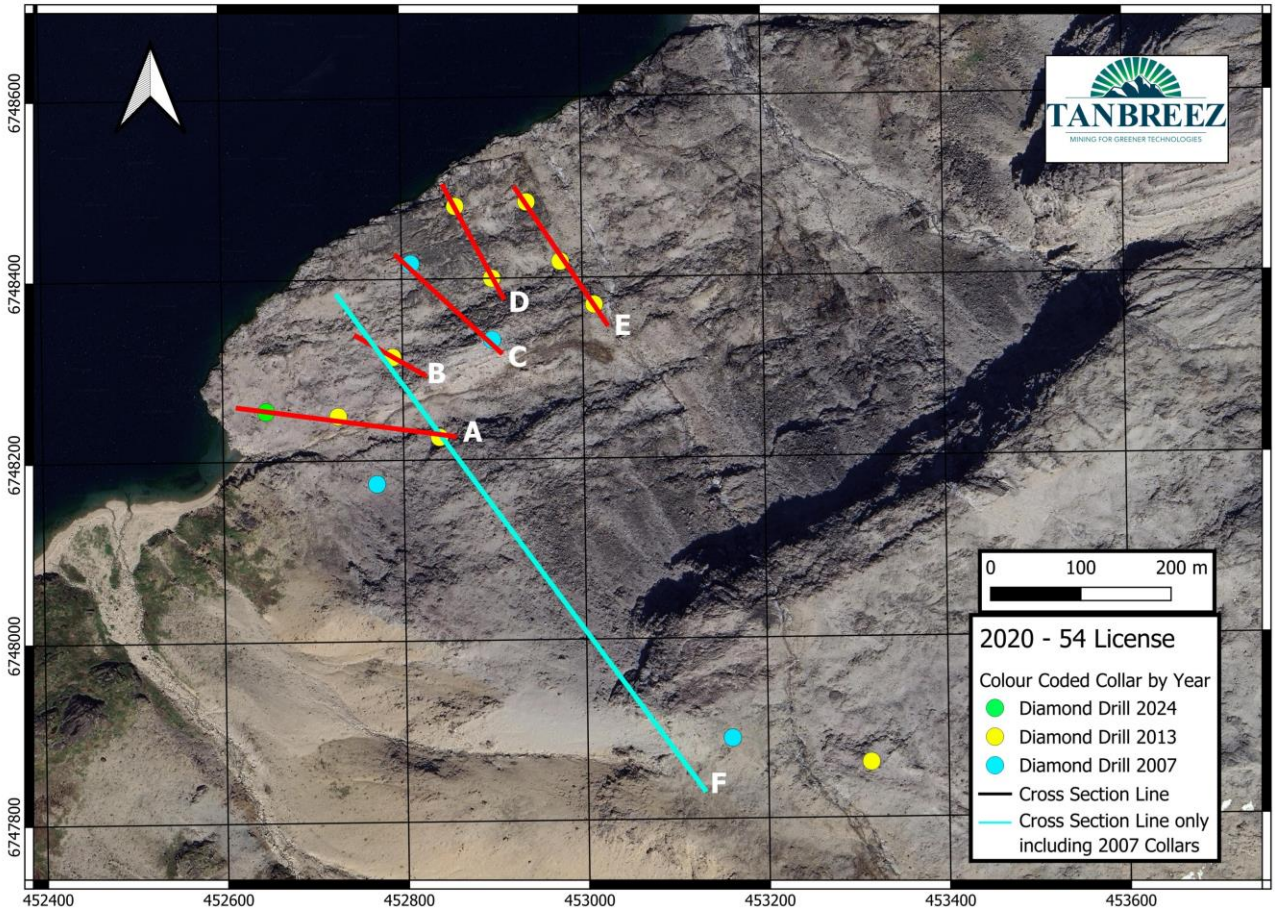

Figure 3 - Deep drilling extending below the Fjord Mineral Resource Estimate with section lines

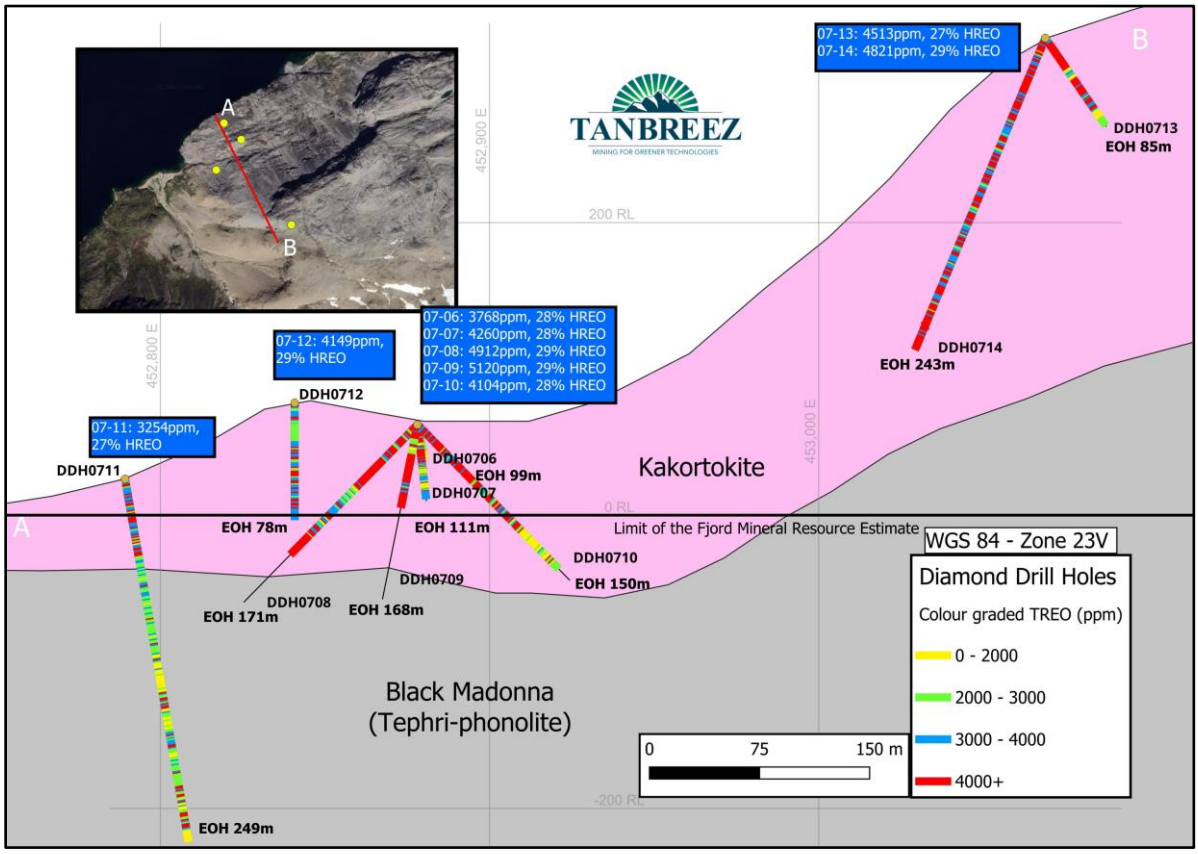

Figure 4 - Deep drilling extending below the Fjord Mineral Resource Estimate – Section F TREO and HREO in ppm in the blue boxes

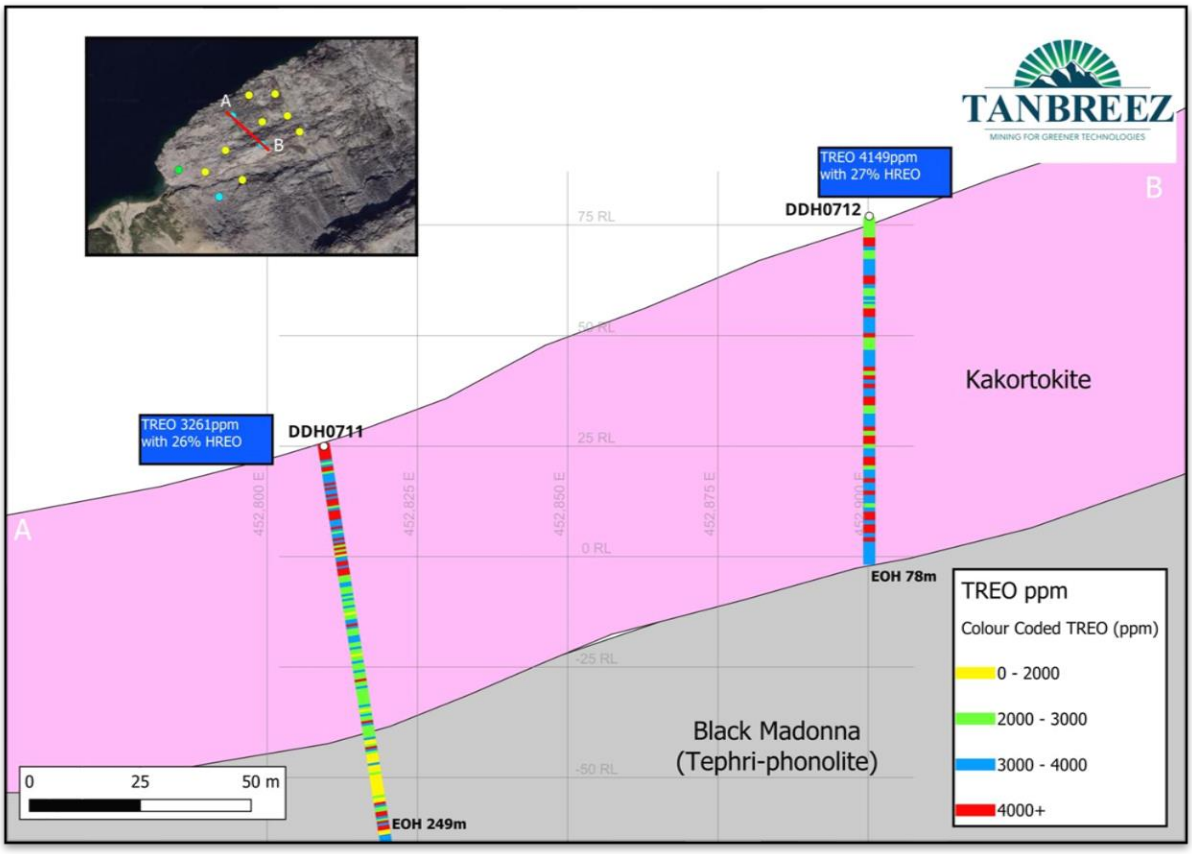

Figure 5 - Deep drilling extending below the Fjord Mineral Resource Estimate – Section C

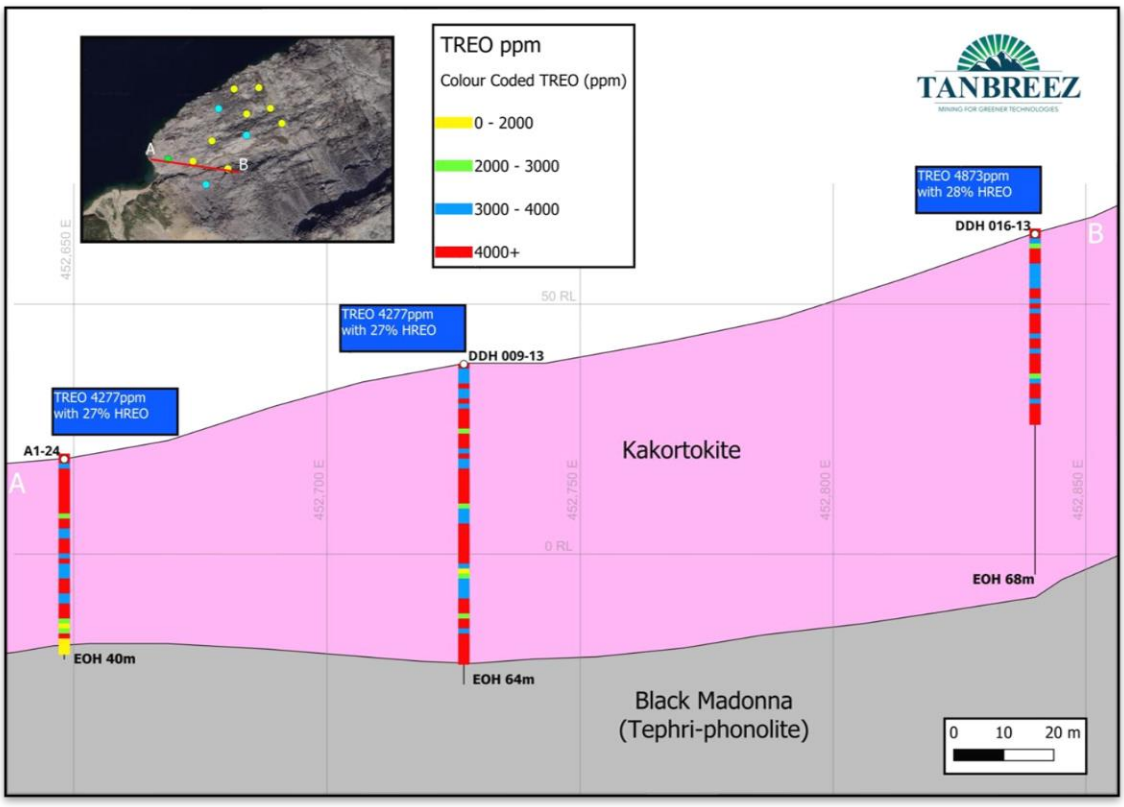

Figure 6 - Cross section on Fjord Section A

The **Fjord rare-earth deposit** is contained within a mineralised Kakortokite host unit covering an area of approximately 5km x 2.5km and several hundred metres thick and estimated at 4.7 billion tonnes. two areas have been delineated at Fjord and Hill and subject to detailed exploration and resource estimation.

The host unit has not been fully explored, and the estimate of the mass of the kakortokite host unit does not presume any certainty of hosting economic mineralisation in other areas.

The MRE drilling examined the drill intersections from surface to **sea level (0m RL)** and prepared a mineral resource estimate based on the TREO and zirconium and niobium oxides within the kakortokite including eudialyte, feldspar and arfvedsonite components.

Drill holes DDH007-08, DDH007-09, DDH007-12, DDH007-14, DDH 13-011and DDH 13-016 were terminated in kakortokite containing greater than 3000ppm TREO mineralisation at the bottom of the respective drillholes (see figure 2).

The Mineral Resource Estimate for Tanbreez at the Fjord and Hill Deposits

The Company recently announced its JORC 2012 Maiden Mineral Resource Estimate (MRE) for the Tanbreez Project of 45MT Eudialyte containing 0.38% TREO including 27% contained HREO plus metal oxides (see ASX Announcement 13 March 2025 and Table 2,3 and Figure 4). The MRE is classified as Indicated and Inferred Resources under the JORC Code 2012 and have been determined by drill density and number of drillholes, and samples used in grade estimation. A recent Addendum to the Eudialyte component added information on the by-products, 134 million tonnes of Feldspar and 134 million tonnes of Arfvedsonite.

Eudialyte concentrate will be prepared in Greenland and exported to the USA or Europe for further processing. Feldspar and Arfvedsonite from the Tanbreez deposit will be processed in Greenland to form a concentrate for industrial applications and further processing will be required to meet off take standards.

TANBREEZ PROJECT	Million Tonnes	TREO %	ZrO_2 %	Nb_2O_5 %
TANBREEZ HILL				
Eudialyte				
Indicated Resource				
Upper	3.20	0.47%	1.72%	0.14%
Lower	13.46	0.30%	1.11%	0.11%
Total	16.66	0.33%	1.22%	0.12%
Inferred Resource				
Upper	0.93	0.40%	1.48%	0.13%
Lower	4.72	0.28%	1.04%	0.10%
Total	5.65	0.30%	1.11%	0.11%
FJORD DEPOSIT				
Eudialyte				
Indicated Resource	8.76	0.44%	1.63%	0.17%
Inferred Resource	13.80	0.42%	1.55%	0.16%
Total	22.56	0.43%	1.58%	0.16%
Eudialyte Total				
Indicated Resource	25.42	0.37%	1.37%	0.13%
Inferred Resource	19.45	0.39%	1.42%	0.15%
Total	**44.87**	**0.38%**	**1.39%**	**0.14%**

Table 3 MRE eudialyte component

TANBREEZ PROJECT	Industrial Mineral Components	
TANBREEZ HILL		
Feldspar		
Indicated Resource	33.00	Mtonnes
Inferred Resource	11.00	Mtonnes
Arfvedsonite		
Indicated Resource	33.00	Mtonnes
Inferred Resource	11.00	Mtonnes
FJORD DEPOSIT		
Feldspar		
Indicated Resource	18.00	Mtonnes
Inferred Resource	28.00	Mtonnes
Arfvedsonite		
Indicated Resource	18.00	Mtonnes
Inferred Resource	28.00	Mtonnes

Table 4 MRE details for feldspar and arfvedsonite

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Company's previous ASX announcements dated 13 March 2025 or the estimation of the feldspar and arfvedsonite resources in this announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

The information in this announcement relating to new exploration results is provided pursuant to ASX Listing Rule 5.7.

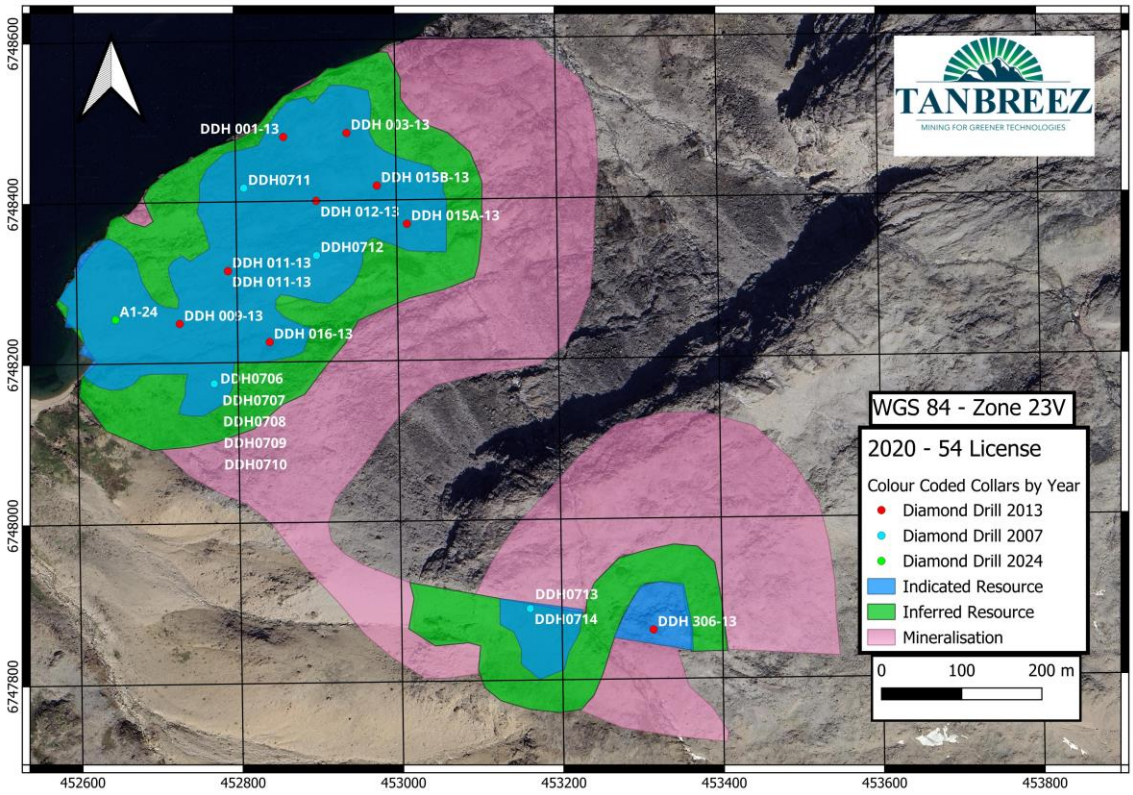

Figure 7 - Location of drill holes in relation to the mineral resource estimate for Indicated, Inferred drill hole results and outcrop kakortokite at surface.

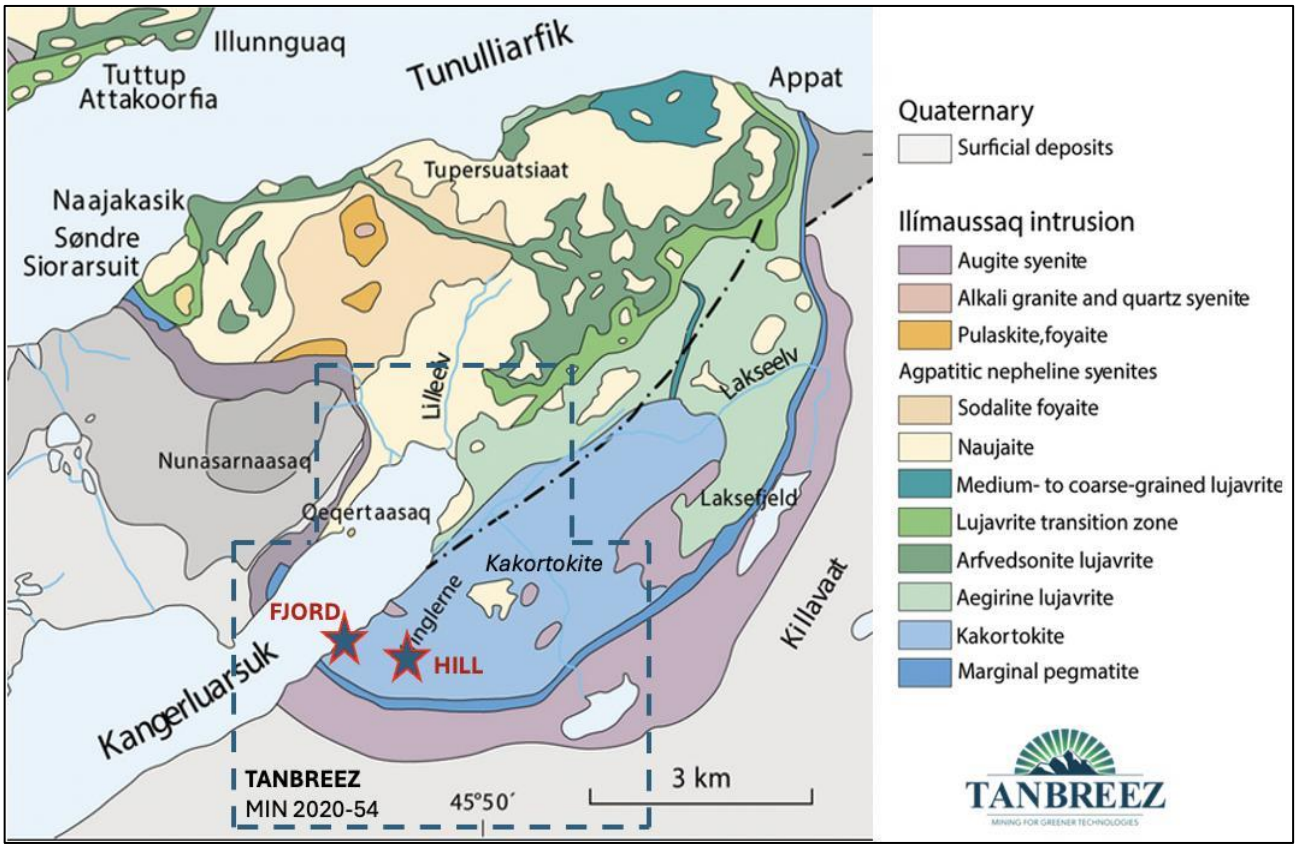

Figure 8 - The Tanbreez Fjord and the Tanbreez Hill rare-earth mineral sites are hosted within a Kakortokite unit covering an area of approximately 5km x 2.5km, estimated at 4.7 billion tonnes of Kakortokite. This does not indicate any certainty of hosting mineralisation

Next Steps

Resource - Extension - Infill Drilling

The Company has applied to the Greenland MSLA for a Program of Works for the 2025 resource drilling programs aimed at upgrading the Inferred Resource to Indicated Resource category and extending the size of the Tanbreez Fjord and Hill Zone Deposits (See figure 7).

The applications with Greenland authorities are well advanced and the Company is preparing the 2025 field season with drilling and exploration teams visiting the deposit from 30 May.

The Company is currently re-assaying historical pulps stored in Perth and Greenland from some of the existing 2007, 2010, 2013 and 2024 drill, rock chip and bulk sampling for confirmation and check assay reconciliation. The pulp will be analysed by ALS Metallurgical Laboratory in Perth, Western Australia and the results will be published when they become available. Further assay results are expected soon.

The first stage of the priority resource drilling program will target the Fjord Deposit containing the 23MT MRE footprint by extending drilling further to the north and east of the 16-diamond hole program from 2024.

The average target depth will be 60m – 80m drilling through the mineralised kakortokite bearing REE and metal oxides and 5m into the basal unit sanitizing mineralisation from the uneconomic grade 'Black Madonna' unit. Confirmation 2025 drilling will commence depending on satisfactory drill results from the 2024 program with the remaining 15 holes assay results to be reported shortly.

The second stage of the priority resource drilling program will target the Hill Zone Deposit containing 22.6MT MRE area by infilling drill lines between D306 -13 and DX-01 and DX-02 and DX-01 on the east to west margins over the current MRE footprint.

The target depth will be limited to 150m targeting continuous mineralisation to defined depth establishing a re-categorisation of Inferred to Indicated Resource upgrade.

The Company continues to evaluate all available data from the previous owner's data base and will publish results upon third party and in-house consultation.

About Tanbreez

The Tanbreez Rare Earth Project is one of the world's largest hard rock rare earth elements (REE) deposits, located in southern Greenland near the town of Qaqortoq. The project is notable for its high concentration of heavy rare earth oxides (HREOs), which are critical for high-tech applications, clean energy, and defence industries. Unlike other major TREO deposits, Tanbreez contains very low levels of uranium and thorium, making it more environmentally and politically viable.

- *Deposit Type: Kakortokite (a layered igneous rock rich in TREOs)*
- *Kakortokite Estimate: ~4.7 billion tonnes of REE-bearing mineralisation*
- *Heavy REE Content: ~27% of Total Rare Earth Oxides (TREO)*
- *Ownership: Acquired by Critical Metals Corp. and EUR 7.5% (2024)*
- *Uranium & Thorium: Extremely low (avoiding nuclear regulatory issues)*
- *Location: Near Qaqortoq, southern Greenland*
- *Target drilling ongoing to achieve proven and probable ore reserves*
- *Project Stage: is evolving from exploration to feasibility and predevelopment phases*

Kakortokite host may not always contain any economic mineralisation of TREO

About European Lithium

European Lithium Limited is an exploration and development stage mining company focused mainly on lithium, rare earth, precious metals and base metals in Austria, Ireland, Ukraine, and Australia.

European Lithium currently holds 65,916,641 (Approximately 63%) ordinary shares in Critical Metals. Based on the closing share price of Critical Metals being US$1.45 per share as of 9 June 2025, the Company's current investment in Critical Metals is valued at US$95.579.129 (A$146.236.068) noting that this valuation is subject to fluctuation in the share price of Critical Metals.

For more information, please visit https://europeanlithium.com.

This announcement has been approved for release on ASX by the Board of Directors.

About CRML

Critical Metals Corp. is a leading mining development company focused on critical metals and minerals, and producing strategic products essential to electrification and next generation technologies for Europe and its western world partners. CRML currently holds a 42% direct interest in the Tanbreez Greenland Rare Earth Mine and has the right to earn up to a 92.5% equity interest subject to the investment of US$10 million in exploration expenses by June 2026 at the Tanbreez Project and CRML's other flagship asset is the Wolfsberg Lithium Project located in Carinthia, 270 km south of Vienna, Austria.

The Wolfsberg Lithium Project is the first fully permitted mine in Europe and is strategically located with access to established road and rail infrastructure and is expected to be the next major producer of key lithium products to support the European market. Wolfsberg is well positioned with offtake and downstream partners to become a unique and valuable building block in an expanding geostrategic critical metals portfolio. In addition, Critical Metals owns a 20% interest in prospective Austrian mineral projects.

For more information, please visit https://criticalmetalscorp.com for an updated investor presentation.

Competent Person Statement (ASX Listing Rule 5.22) – George C Karageorge

The information in this announcement that relates to the exploration results and Mineral Resource for Tanbreez is based on and fairly represents information reviewed by George Karageorge, who is a Member of AusIMM. He has sufficient experience relevant to the style of Mineralisation and type of deposit under consideration

Mr Karageorge is Principal of Geosan Consulting, and a Member of the Australian Institute of Mining and Metallurgy (AusIMM), is a geologist with sufficient relevant experience in relation to rare earth and rare metal mineralisation being reported on, to qualify as a competent Person as defined in the Australian Code for Reporting of Identified Mineral resources and Ore reserves (JORC Code 2012).

Mr Karageorge consents to the use of this information in this report in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Company's previous ASX announcements dated 13 March 2025, 28 March 2025, and in the case of mineral resources, that all material assumptions and

technical parameters underpinning the estimates in the Company's previous ASX announcement dated 13 March 2025 continue to apply and have not materially changed.

Disclaimer relating to continuous disclosure – European Lithium Limited (ASX: EUR) ("the Company") wishes to clarify the circumstances surrounding the disclosure of exploration results between 2007 and 2013 that have recently been released to the market. The Company first acquired a 5% interest in Tanbreez Mining Greenland A/S ("Tanbreez") on 3 October 2022 and acquired a further 2.5% interest in Tanbreez on 6 February 2023 from Rimbal Pty Ltd ("Rimbal") through an arms-length transaction. As Rimbal was a private entity not subject to ASX listing rules, it had no continuous disclosure obligations regarding these exploration results. The data was identified during EUR's comprehensive post-acquisition technical due diligence process, which involved a detailed review of all historical exploration information related to the project.

In accordance with ASX Listing Rule 5.12 regarding reporting of historical estimates and exploration results, EUR has undertaken appropriate verification procedures to establish the reliability of this historical data. The Company engaged independent qualified persons to validate the exploration methodology, sampling techniques, and analytical methods used in generating these results. This verification process was completed on 3 June 2025, at which point the Company promptly prepared the necessary disclosures in compliance with the JORC Code, 2012 Edition, and released the information to the market. EUR affirms that it has fulfilled its continuous disclosure obligations by releasing this material information as soon as it was properly verified and compiled in accordance with ASX requirements.

The information in this announcement relating to new exploration results is provided pursuant to ASX Listing Rule 5.7.

Appendix 1 - 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.	• Diamond drill holes • DDH-07-06 drilled to 99m with BQ with samples each metre drilled • DDH-07-07 drilled to 111m with BQ with samples each metre drilled • DDH-07-08 drilled to 171m with BQ with samples each metre drilled • DDH-07-09 drilled to 168m with BQ with samples each metre drilled • DDH-07-10 drilled to 150m with HQ with samples each metre drilled • DDH-07-11 drilled to 249m with BQ with samples each metre drilled • DDH-07-12 drilled to 78m with BQ with samples each metre drilled • DDH-07-13 drilled to 85.2m with BQ with samples each metre drilled • DDH-07-14 drilled to 243m with BQ with samples each metre drilled • DDH-13-011drilled to 62m with BQ with samples each metre drilled • DDH-13-016 drilled to 68m with HQ with samples each metre drilled • Diamond drill holes drilled in2007 and 2013 • These were accompanied by blank samples, repeat samples duplicates etc. • The core for all diamond holes was cut in Greenland with a quarter of the core being flown to ALS (Australian Laboratory Services, INAB Reg. Nr. 173T) in Australia for assay.
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).	• Conventional diamond drilling from surface with single standard tube HQ and BQ respectively
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• Recovery from diamond drilling was in the range of 95-100% and monitored by the onsite project geologist and Chief Geologist.
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.	• The core was logged by an experienced geologist with a PhD in Alkaline Rocks and over 40 years of experience on this ore body. All core was logged in detail qualitatively; all core was photographed.

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all cores taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• ¼ Core centre lab options of another quarter, if further assay or microscope work required. The grain size is course up to 0.5cm and with a quarter core taken to the laboratory from a very homogenous rock type and this was deemed a representative sample.
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• The laboratory results compare favourably with other samples taken over many years on this site. ALS's and Ultra Fine internal standards reused approximately 50 elements are the certified standards used by labs and they were an acceptable range • Laboratory Method by ALS and Ammtec combined XRF and ICP Fusion
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.	Repeat samples have been sent to a separate lab in Australia, ALS Perth for comparable assays. These results are pending. A second twin hole was completed but not yet assayed. Data storage is both digitally and physical means. Conversion factors used for rare earth oxides: La_2O_3 1.1728 Ce_2O_3. 1.1713 Pr_6O_{11} 1.2082 Nd_2O_3 1.1664 Sm_2O_3 1.1596 Eu_2O_3 1.1579 Gd_2O_3 1.1526 Tb_4O_7 1.1762 Dy_2O_3 1.1477 Ho_2O_3 1.1455 Er_2O_3 1.1435 Tm_2O_3 1.1421 Yb_2O_3 1.1387 Y_2O_3 1.1370 Lu_2O_3 1.1137

Criteria	JORC Code explanation	Commentary
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.	• Hole surveyed by a licensed Greenland surveyor using conventional GPS method. Topography survey was part of an earlier survey done at the same time as the aeromagnetic survey.
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.	All drillholes were sampled at approximately one metre intervals adjusted according to lithologies
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• Vertical hole in almost horizontal layered sequence means the holes intercepted the mineralisation at right angles.
Sample security	• The measures taken to ensure sample security.	• Core locked in containers in Greenland. Chain of custody was managed by the operator throughout.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• Review and audit of drill logs, core photos by independent geologist complete and assay checks from stored pulp from stored residue pulp by ALS Metallurgical audited and re check analysis underway

Section 2 Reporting Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	Exploitation Licence MIN 2020-54 granted for 30 years in 2020 License owned by Tanbreez Mining which is a Greenlandic company that owns 100% of the tenement. EUR owns 7.5% of Tanbreez. As part of the granting of the project it received full environmental and social approval. There is no native title in Greenland.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• All exploration on the tenement has been done by Tanbreez.
Geology	• Deposit type, geological setting and style of mineralisation.	• Alkaline intrusive.
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	• See Appendix 2

Criteria	JORC Code explanation	Commentary
	○ 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.	
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.	• No cutting of grade was needed. No metal equivalents were used.
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').	• The whole of each drill hole is in mineralisation from the surface near the base some xenoliths of the unit below or distinct Phonolite Tephry were noted.
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.	• See maps and figures 1,2,3
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.	• Balanced report based on available data.
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.	• Check assays for twin holes and other holes assays are currently going through the procedure and not yet submitted to the lab. • DX-02 and D306-13, DDH 001-13 have re assay and check assays on the previous owner's data base and re assays and new element assays for Ga_2O_3, U, Th and Ta_2O_5 in twin hole that is currently being prepared for publication in the near future.
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.	• Pending results subsequent drilling programs will be discussed • Resource MRE Upgrade via Independent Resource Qualified Person

Appendix – 2 DRILL HOLE STATISTICS

Diamond Holes 2007 to 2024DDH 07-06 to DDH 07-14 drilled 2007 and Diamond Holes DDH 011-13 and DDH 016-13 drilled 2013

EXPLORATION DRILL HOLES				
YEAR	**AREA**	**TYPE**	**No Holes**	**Metres**
1986	CARL NIELSEN	RC	2	20.5
1989	HIGHWOOD	RC	29	1204.95
1991	HIGHWOOD	RC	18	555.6
2010	TANBREEZ	DX-01	1	338
2010	TANBREEZ	DX-02	1	195
2024	TANBREEZ	DD	16	1636.12
Total			**67**	**3950.17**
MINERAL RESOURCE AREAS				
YEAR	**AREA**	**TYPE**	**No Holes**	**Metres**
2007	FJORD MRE	DDH	14	2148.2
2007	FJORD MRE	ECP	67	1104.8
2013	FJORD MRE	DDH	9	829.5
Total			**90**	**4082.5**
2010	HILL MRE	DDH	46	1380
2010	HILL MRE	RCP	48	983
Total			**94**	**2363**
TOTAL Both Areas			**184**	**6445.5**
TOTAL DRILLING			**251**	**10395.67**

Drilling carried out on the Tanbreez Project from 1986 to 2024

Only those holes with valid location data are included

Total Assays from Diamond Drilling Programs

Hole ID	From	To	Interval	Total Depth	TREO	HREO	ZrO2	Ta2O5	Nb2O5
	(m)	(m)	(m)	(%)	(%)	(%)	(ppm)	(ppm)	(ppm)
FJORD DEPOSIT AREA									
DDH-07-06	23.32	70.97	47.65	99.00	0.38%	28%	1.35%	101	
DDH-07-07	3.99	103.32	99.33	111.00	0.43%	28%	1.50%	99	
DDH-07-08	4.38	122.75	118.37	171.00	0.49%	29%	1.79%	101	
DDH-07-09	3.65	76.60	72.96	168.00	0.51%	29%	1.90%	96	
DDH-07-10	3.08	136.69	133.61	150.00	0.41%	28%	1.54%	102	
DDH-07-11	1.26	249.00	247.75	249.00	0.33%	27%	0.82%	67	
DDH-07-12	1.52	78.02	76.50	78.00	0.41%	29%	1.40%	70	
DDH-13-001	-	52.00	52.00	51.50	0.43%	25.60%	1.70%		1750
DDH-13-003	-	43.00	43.00	52.00	0.41%	26.98%	1.67%		1790
DDH-13-009	-	59.00	59.00	64.00	0.48%	27.12%	1.91%		1920
DDH-13-011	-	60.50	60.50	62.00	0.49%	27%	1.93%		1920
DDH-13-012	-	52.00	52.00	80.00	0.39%	26.55%	1.51%		1600
DDH-13-015A	-	65.00	65.00	72.00	0.41%	26.13%	1.58%		1660
DDH-13-015B	-	46.00	46.00	52.00	0.38%	26.94%	1.53%		1520
DDH-13-016	3.00	41.95	38.95	68.00	0.49%	28%	1.93%		2010
A1-24	-	40.00	40.00	40.00	0.47%	26.96%	1.82%	131	1850
Weighted Average			**1,212.62**		**0.42%**	**27.58%**	**1.48%**	**90**	**1800**
HILL DEPOSIT AREA									
DDH-07-13	2.51	81.63	79.12	85.2	0.46%	27%	1.23%	69	
DDH-07-14	2.11	243	240.89	243	0.48%	29%	1.57%	68	
DX-02	0			195	0.42	24	0.91	63	1290
D306-13	0			328	0.45	27	1.7		2480
DX-01	0			338	0.42	24.45	2.45	73	1170

Appendix 3 - Diamond drill holes DDH07-06 to DDH07-14, DDH 011-13, DDH 016-13

Hole ID	Sample ID	From	To	CeO2	La2O3	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TOTAL	TOTAL	TOTAL	HEAVY
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	REO	HREO	LREO	REO %
DDH0706	DDH 00921	23.315	24.215	2370	1232	262	841	169	17	155	31	218	48	144	22	145	18	1287	6959	2068	4890	29.72%
DDH0706	DDH 00922	24.215	25.16	1289	652	146	464	92	9	81	16	110	25	74	11	75	10	694	3749	1096	2653	29.24%
DDH0706	DDH 00923	25.16	26.135	1658	838	184	591	112	12	106	21	139	31	93	14	93	13	886	4790	1396	3394	29.14%
DDH0706	DDH 00925	26.135	27.09	1965	997	221	730	139	14	125	25	169	38	113	19	117	15	1064	5749	1683	4066	29.28%
DDH0706	DDH 00926	27.09	27.995	1805	909	207	661	125	12	108	22	145	31	96	15	96	12	963	5207	1487	3719	28.57%
DDH0706	DDH 00927	27.995	28.955	2161	1138	237	773	156	16	138	28	187	43	125	20	129	17	1173	6340	1859	4481	29.32%
DDH0706	DDH 00928	28.955	29.9	1437	731	159	504	99	10	88	17	119	26	78	12	83	11	766	4141	1201	2940	29.00%
DDH0706	DDH 00929	29.9	30.78	979	465	104	323	60	6	51	10	64	14	41	7	46	6	494	2668	732	1936	27.44%
DDH0706	DDH 00930	30.78	31.75	1560	807	176	552	107	11	97	19	126	28	81	13	83	11	833	4503	1291	3212	28.67%
DDH0706	DDH 00931	31.75	32.73	3672	1853	395	1329	263	26	244	48	340	74	214	35	221	28	1984	10726	3188	7538	29.72%
DDH0706	DDH 00932	32.73	33.62	1572	805	175	564	112	12	104	21	140	32	93	15	99	13	853	4610	1370	3240	29.71%
DDH0706	DDH 00933	33.62	34.585	1781	911	197	649	125	13	111	22	149	33	98	16	103	13	958	5179	1503	3676	29.03%
DDH0706	DDH 00934	34.585	35.575	878	429	95	314	58	6	51	10	69	15	44	7	49	7	461	2494	714	1780	28.62%
DDH0706	DDH 00936	35.575	36.48	1424	728	164	520	102	10	85	17	116	25	72	12	76	10	763	4125	1176	2949	28.50%
DDH0706	DDH 00937	36.48	37.48	1474	739	164	521	103	10	92	18	121	28	80	13	85	11	785	4244	1233	3011	29.05%
DDH0706	DDH 00938	37.48	38.48	1756	882	192	618	127	13	115	23	150	33	100	16	105	13	941	5085	1497	3588	29.43%
DDH0706	DDH 00939	38.48	39.47	1314	731	174	440	75	7	58	10	64	13	37	6	42	6	675	3650	911	2740	24.95%
DDH0706	DDH 00940	39.47	40.4	979	483	107	336	67	7	60	12	81	18	56	9	54	8	517	2792	813	1979	29.13%
DDH0706	DDH 00941	40.4	41.335	792	408	89	297	56	6	46	9	61	13	37	6	40	5	424	2290	642	1649	28.02%
DDH0706	DDH 00942	41.335	42.275	1028	528	120	360	71	7	62	12	84	19	54	9	59	8	550	2972	857	2115	28.85%
DDH0706	DDH 00943	42.275	43.27	1240	635	138	447	88	9	76	15	108	23	70	11	71	10	667	3606	1051	2556	29.13%
DDH0706	DDH 00944	43.27	44.215	1289	640	146	477	92	9	76	15	102	23	64	10	67	9	685	3705	1051	2653	28.38%
DDH0706	DDH 00945	44.215	45.14	2812	1455	314	1011	196	21	178	35	243	56	166	26	169	21	1521	8223	2415	5808	29.37%
DDH0706	DDH 00947	45.14	46.11	2579	1302	278	904	180	18	164	33	224	50	150	24	155	21	1380	7460	2200	5260	29.49%
DDH0706	DDH 00948	46.11	47.075	1449	717	162	520	101	10	92	19	127	28	84	13	85	11	776	4194	1236	2958	29.47%
DDH0706	DDH 00949	47.075	48.04	1253	644	146	449	92	9	74	15	104	23	69	11	69	9	673	3640	1047	2592	28.77%
DDH0706	DDH 00950	48.04	49.04	1817	930	205	670	131	13	115	24	157	37	110	17	109	14	988	5339	1571	3767	29.43%
DDH0706	DDH 00951	49.04	50.04	2628	1337	289	951	188	19	175	36	242	53	162	26	169	22	1429	7726	2314	5412	29.95%
DDH0706	DDH 00952	50.04	51.025	1079	549	123	395	76	7	65	13	85	19	56	9	62	8	578	3124	894	2230	28.61%
DDH0706	DDH 00953	51.025	52.01	1240	650	138	445	86	8	74	15	95	21	63	10	66	9	663	3583	1015	2568	28.32%
DDH0706	DDH 00954	52.01	52.98	1154	583	130	412	76	8	67	13	87	19	57	9	58	8	608	3288	925	2363	28.14%
DDH0706	DDH 00955	52.98	53.955	635	335	70	218	37	3	28	5	32	6	17	3	19	3	320	1731	433	1298	24.99%
DDH0706	DDH 00956	53.955	54.895	1104	578	127	391	75	8	67	13	86	19	57	9	57	7	589	3185	903	2282	28.36%
DDH0706	DDH 00958	54.895	55.85	959	511	107	343	66	6	55	12	75	17	50	8	51	7	515	2782	790	1992	28.39%

Hole ID	Sample ID	From	To	CeO2	La2O3	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TOTAL	TOTAL	TOTAL	HEAVY
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	REO	HREO	LREO	REO %
DDH0706	DDH 00959	55.85	56.795	831	421	91	290	53	5	48	9	58	13	38	6	39	5	433	2341	649	1692	27.73%
DDH0706	DDH 00960	56.795	57.73	1153	576	129	424	81	8	71	13	86	19	54	9	55	7	609	3293	922	2371	28.01%
DDH0706	DDH 00961	57.73	58.69	825	425	96	304	59	6	51	10	67	15	44	7	47	6	445	2406	691	1715	28.73%
DDH0706	DDH 00962	58.69	59.65	790	409	94	285	54	5	46	9	58	13	39	6	40	5	421	2273	637	1637	28.00%
DDH0706	DDH 00963	59.65	60.555	1842	977	209	656	127	12	113	22	156	34	101	16	105	13	995	5381	1557	3824	28.93%
DDH0706	DDH 00964	60.555	61.51	356	194	42	134	23	2	18	3	17	3	9	1	10	2	185	998	248	751	24.81%
DDH0706	DDH 00965	61.51	62.435	410	226	44	141	24	2	16	2	15	3	9	1	10	1	206	1113	265	849	23.78%
DDH0706	DDH 00966	62.435	63.365	481	258	55	174	30	3	25	5	31	6	18	3	19	3	252	1363	362	1001	26.56%
DDH0706	DDH 00967	63.365	64.32	280	149	33	103	16	2	12	2	10	2	5	1	6	1	141	760	178	582	23.42%
DDH0706	DDH 00969	64.32	35.275	479	237	55	181	27	3	18	3	18	3	10	2	13	2	238	1288	306	981	23.80%
DDH0706	DDH 00970	35.275	66.15	770	405	85	275	48	5	42	8	52	11	34	5	35	5	404	2182	596	1587	27.29%
DDH0706	DDH 00971	66.15	67.12	1560	838	172	557	93	9	78	16	103	23	70	11	76	10	821	4437	1209	3228	27.25%
DDH0706	DDH 00972	67.12	68.085	446	249	53	169	27	3	21	4	22	5	14	2	16	2	234	1267	320	947	25.28%
DDH0706	DDH 00973	68.085	69.035	1240	644	137	421	71	6	58	11	69	15	43	7	44	5	629	3402	883	2519	25.95%
DDH0706	DDH 00974	69.035	70.005	538	279	60	190	30	5	25	4	28	6	16	3	17	2	273	1477	375	1102	25.38%
DDH0706	DDH 00975	70.005	70.965	195	92	24	85	14	6	12	2	11	2	6	1	6	1	104	561	145	416	25.81%
AVERAGE				1307	670	146	468	90	9	79	15	104	23	68	11	71	9	697	3768	1078	2690	27.94%

Hole ID	Sample ID	From	To	CeO2	La2O3	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TOTAL	HEAVY	LIGHT	HEAVY
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	REO	REO	REO	REO %
DDH0707	DDH 001009	3.985	4.905	2444	1243	274	923	160	16	145	29	197	43	127	19	129	18	1309	7077	2017	5061	28.50%
DDH0707	DDH 001010	4.905	5.86	3623	1865	395	1318	234	24	212	43	287	67	191	30	190	24	1930	10433	2974	7458	28.51%
DDH0707	DDH 001011	5.86	6.81	2235	1130	248	820	146	14	136	27	181	40	117	18	120	15	1191	6437	1844	4592	28.65%
DDH0707	DDH 001013	6.81	7.73	1744	860	193	621	111	11	97	20	132	30	87	13	89	12	913	4933	1393	3540	28.23%
DDH0707	DDH 001014	7.73	8.6	1903	969	207	700	125	12	115	22	157	34	102	16	105	13	1017	5498	1582	3916	28.78%
DDH0707	DDH 001015	8.6	9.575	2800	1408	303	1032	183	18	168	34	223	49	146	23	148	19	1488	8043	2299	5744	28.59%
DDH0707	DDH 001016	9.575	10.485	1879	943	210	698	124	13	113	22	150	33	97	15	98	13	1001	5411	1543	3867	28.53%
DDH0707	DDH 001017	10.485	11.4	2309	1148	257	900	159	15	134	27	181	41	120	19	122	16	1237	6685	1897	4788	28.38%
DDH0707	DDH 001018	11.4	12.305	2063	1017	234	766	134	13	120	23	153	33	99	16	100	13	1086	5870	1642	4228	27.98%
DDH0707	DDH 001019	12.305	13.235	2321	1159	256	840	150	15	131	27	176	39	119	18	117	15	1222	6603	1864	4740	28.22%
DDH0707	DDH 001020	13.235	14.12	1474	734	165	525	95	9	88	17	111	25	75	12	77	10	776	4194	1191	3003	28.41%
DDH0707	DDH 001021	14.12	15	1523	757	172	554	101	10	90	18	118	26	77	12	80	10	805	4352	1236	3116	28.40%
DDH0707	DDH 001022	15	15.955	2530	1302	283	956	162	16	148	29	192	42	127	20	125	16	1350	7297	2048	5249	28.07%
DDH0707	DDH 001024	15.955	16.905	1817	900	199	648	118	12	104	20	137	30	89	14	91	12	952	5144	1449	3695	28.17%
DDH0707	DDH 001025	16.905	17.825	2149	1105	236	822	141	14	134	27	176	38	116	18	117	15	1159	6267	1800	4467	28.72%
DDH0707	DDH 001026	17.825	18.765	2014	1018	221	767	137	14	125	24	164	36	105	17	109	14	1082	5848	1677	4171	28.67%

Hole ID	Sample ID	From	To	CeO2	La2O3	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TOTAL	HEAVY	LIGHT	HEAVY
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	REO	REO	REO	REO %
DDH0707	DDH 001027	18.765	19.715	2837	1431	308	1025	185	19	171	35	241	52	156	24	159	21	1513	8176	2371	5805	29.00%
DDH0707	DDH 001028	19.715	20.68	2542	1290	290	914	163	17	152	30	208	46	137	21	140	18	1355	7326	2109	5217	28.79%
DDH0707	DDH 001029	20.68	21.605	2554	1302	285	961	167	17	150	30	223	46	135	21	137	18	1372	7417	2132	5286	28.74%
DDH0707	DDH 001030	21.605	22.56	2333	1185	268	852	154	15	141	28	184	41	125	20	129	17	1246	6737	1929	4808	28.64%
DDH0707	DDH 001031	22.56	23.51	2370	1220	266	868	152	16	141	28	193	44	129	20	132	17	1270	6865	1974	4891	28.75%
DDH0707	DDH 001032	23.51	24.49	1041	545	116	370	67	6	58	11	77	17	50	8	56	7	552	2983	837	2146	28.05%
DDH0707	DDH 001033	24.49	25.465	1314	643	145	480	86	8	74	14	100	22	65	11	65	8	689	3725	1048	2677	28.14%
DDH0707	DDH 001035	25.465	26.445	1437	730	156	489	86	9	76	14	99	22	63	10	63	8	740	4001	1095	2906	27.37%
DDH0707	DDH 001036	26.445	27.37	1523	780	165	527	94	10	88	17	117	26	78	12	79	10	800	4327	1227	3099	28.36%
DDH0707	DDH 001037	27.37	28.35	2088	1065	244	782	132	13	120	24	164	36	107	17	112	15	1117	6036	1711	4324	28.36%
DDH0707	DDH 001038	28.35	29.31	1596	815	178	582	105	10	95	18	126	28	83	13	87	11	851	4599	1312	3287	28.53%
DDH0707	DDH 001039	29.31	30.25	1461	734	167	511	90	9	81	16	111	24	70	11	75	10	765	4135	1163	2972	28.12%
DDH0707	DDH 001040	30.25	31.22	1817	934	205	667	118	12	106	21	140	31	93	15	97	13	969	5239	1485	3753	28.35%
DDH0707	DDH 001041	31.22	32.145	1560	786	173	543	97	9	88	18	116	26	78	13	80	10	816	4411	1244	3168	28.19%
DDH0707	DDH 001042	32.145	33.075	645	326	73	230	39	4	32	6	41	9	26	5	31	4	334	1805	488	1316	27.06%
DDH0707	DDH 001043	33.075	34.03	928	463	107	330	58	5	51	10	67	15	46	7	50	7	487	2630	738	1892	28.06%
DDH0707	DDH 001044	34.03	34.965	488	248	56	182	30	3	25	5	32	7	21	3	26	4	256	1385	379	1006	27.36%
DDH0707	DDH 001046	34.965	35.945	646	339	73	233	40	4	32	7	45	10	30	5	34	5	341	1845	511	1335	27.67%
DDH0707	DDH 001047	35.945	36.905	1072	557	122	394	65	6	60	12	80	18	55	9	57	7	571	3086	869	2217	28.15%
DDH0707	DDH 001048	36.905	37.86	3451	1771	384	1283	227	22	205	41	280	65	184	29	188	25	1851	10008	2870	7138	28.68%
DDH0707	DDH 001049	37.86	38.765	1253	636	145	456	78	8	69	14	92	20	63	9	65	8	662	3580	1004	2576	28.05%
DDH0707	DDH 001050	38.765	39.675	1498	755	168	533	97	9	88	16	113	24	72	12	75	10	788	4257	1196	3061	28.10%
DDH0707	DDH 001051	39.675	40.645	936	472	108	333	68	6	60	11	77	17	51	8	52	7	501	2709	785	1924	28.98%
DDH0707	DDH 001052	40.645	41.635	1351	692	150	476	95	9	85	17	113	25	76	12	76	10	723	3910	1138	2772	29.10%
DDH0707	DDH 001053	41.635	42.56	2493	1267	272	865	174	17	166	34	225	50	151	24	155	21	1342	7255	2168	5088	29.88%
DDH0707	DDH 001054	42.56	43.54	1867	944	215	666	131	13	120	24	161	35	106	17	110	14	1004	5427	1592	3835	29.33%
DDH0707	DDH 001055	43.54	44.48	1535	773	165	568	111	11	104	21	141	31	94	15	97	12	835	4515	1351	3164	29.93%
DDH0707	DDH 001057	44.48	45.42	2161	1092	243	765	154	16	145	30	205	46	141	22	142	18	1176	6357	1926	4432	30.29%
DDH0707	DDH 001058	45.42	46.395	1547	786	173	548	109	11	99	20	138	31	94	15	93	13	834	4511	1337	3174	29.63%
DDH0707	DDH 001059	46.395	47.355	1572	811	176	582	112	11	99	20	131	29	86	14	89	12	850	4593	1329	3264	28.94%
DDH0707	DDH 001060	47.355	48.325	1535	794	174	563	108	11	99	20	134	30	90	14	91	12	834	4510	1325	3185	29.38%
DDH0707	DDH 001061	48.325	49.295	2038	1049	234	785	146	15	131	26	177	39	119	19	117	15	1115	6025	1758	4267	29.18%
DDH0707	DDH 001062	49.295	50.265	1474	772	167	514	100	10	95	19	124	28	82	13	84	11	793	4285	1248	3036	29.14%
DDH0707	DDH 001063	50.265	51.2	1535	774	169	542	105	11	95	18	129	28	82	13	85	11	817	4414	1278	3136	28.95%
DDH0707	DDH 001064	51.2	52.16	3905	2029	430	1423	267	28	249	48	332	79	220	34	219	29	2109	11399	3317	8081	29.10%
DDH0707	DDH 001065	52.16	53.145	2186	1092	248	796	154	16	138	28	195	43	133	21	133	18	1181	6382	1890	4492	29.62%
DDH0707	DDH 001066	53.145	54.065	1265	626	147	455	85	9	76	14	99	21	62	10	64	8	668	3610	1023	2587	28.35%

Hole ID	Sample ID	From	To	CeO2	La2O3	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TOTAL	HEAVY	LIGHT	HEAVY
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	REO	REO	REO	REO %
DDH0707	DDH 001068	54.065	55.015	1547	813	169	549	108	11	97	19	130	29	85	14	93	12	835	4512	1314	3197	29.13%
DDH0707	DDH 001069	55.015	55.98	2309	1172	262	848	161	16	141	28	193	42	121	20	128	17	1238	6694	1927	4767	28.78%
DDH0707	DDH 001070	55.98	56.93	3561	1795	384	1294	250	26	235	47	323	74	223	36	224	29	1930	10432	3121	7311	29.92%
DDH0707	DDH 001071	56.93	57.82	1222	623	133	430	81	8	74	15	95	21	62	10	65	8	646	3493	996	2497	28.51%
DDH0707	DDH 001072	57.82	58.8	2051	1185	213	719	132	13	127	26	173	39	119	19	123	16	1125	6079	1767	4313	29.06%
DDH0707	DDH 001073	58.8	59.745	1817	938	201	654	132	13	118	23	158	35	103	16	107	14	983	5313	1558	3756	29.31%
DDH0707	DDH 001074	59.745	60.7	1817	880	201	654	127	13	108	21	141	31	92	15	95	12	955	5162	1470	3692	28.48%
DDH0707	DDH 001075	60.7	61.66	1024	569	132	359	76	8	67	13	88	20	58	9	58	7	565	3053	885	2168	28.99%
DDH0707	DDH 001076	61.66	62.595	1138	638	153	421	85	8	67	14	96	23	70	11	76	10	638	3450	1006	2444	29.16%
DDH0707	DDH 001077	62.595	63.485	1314	733	159	459	95	9	81	16	104	23	68	11	72	9	716	3870	1100	2770	28.42%
DDH0707	DDH 001079	63.485	64.445	825	462	99	289	58	5	46	9	57	12	34	6	40	5	442	2391	652	1739	27.26%
DDH0707	DDH 001080	64.445	65.405	1412	785	172	505	95	9	76	14	95	21	63	11	69	10	758	4095	1117	2978	27.28%
DDH0707	DDH 001081	65.405	66.295	869	489	105	292	59	6	53	11	71	16	51	9	58	8	476	2572	753	1819	29.29%
DDH0707	DDH 001082	66.295	67.27	1388	780	172	478	99	9	83	16	108	24	73	12	74	10	755	4081	1156	2925	28.32%
DDH0707	DDH 001083	67.27	68.25	920	514	108	309	61	6	51	9	56	12	34	5	34	5	482	2607	689	1918	26.43%
DDH0707	DDH 001084	68.25	69.18	742	430	96	271	54	5	44	8	49	10	27	5	32	4	403	2179	581	1597	26.68%
DDH0707	DDH 001085	69.18	70.165	1149	632	141	413	89	8	76	15	99	22	65	10	66	9	634	3428	995	2433	29.03%
DDH0707	DDH 001086	70.165	71.125	682	379	94	244	44	4	32	5	32	6	19	3	19	3	356	1922	475	1447	24.73%
DDH0707	DDH 001087	71.125	72.05	659	369	88	245	51	4	42	7	48	10	30	5	33	4	362	1959	542	1417	27.65%
DDH0707	DDH 001088	72.05	73.015	917	495	122	317	64	6	48	9	56	12	33	5	34	5	482	2607	685	1922	26.28%
DDH0707	DDH 001090	73.015	73.99	516	289	65	181	35	3	28	5	30	6	18	3	19	3	273	1474	385	1089	26.12%
DDH0707	DDH 001091	73.99	74.92	468	260	59	162	31	3	25	4	28	6	17	3	19	3	247	1336	352	983	26.39%
DDH0707	DDH 001092	74.92	75.91	960	541	120	343	70	6	58	11	75	16	48	8	49	6	524	2835	795	2040	28.04%
DDH0707	DDH 001093	75.91	76.895	914	504	118	331	70	6	58	11	76	17	47	8	50	7	503	2720	777	1943	28.56%
DDH0707	DDH 001094	76.895	77.815	672	364	86	247	49	4	39	7	47	10	31	5	36	5	364	1966	545	1421	27.71%
DDH0707	DDH 001095	77.815	78.725	1474	859	180	487	93	9	78	16	106	24	72	12	75	10	793	4286	1185	3102	27.64%
DDH0707	DDH 001096	78.725	79.695	935	510	120	325	62	5	44	8	46	10	27	5	32	5	484	2617	660	1957	25.23%
DDH0707	DDH 001097	79.695	80.64	879	465	108	301	61	6	53	10	67	15	43	7	47	6	469	2538	717	1821	28.24%
DDH0707	DDH 001098	80.64	81.52	1117	626	137	387	83	8	74	14	95	21	66	10	67	9	616	3331	972	2359	29.19%
DDH0707	DDH 001099	81.52	82.49	1095	625	140	391	81	8	71	14	94	20	61	10	65	9	609	3294	954	2340	28.97%
DDH0707	DDH 001100	82.49	83.39	1172	671	153	410	82	8	69	13	87	19	54	9	55	7	638	3447	951	2496	27.59%
DDH0707	DDH 001101	83.39	84.32	1253	621	146	455	89	9	78	16	104	23	70	11	72	10	671	3627	1055	2571	29.10%
DDH0707	DDH 001102	84.32	85.27	1164	597	137	408	71	7	58	11	67	15	42	7	43	6	598	3230	846	2384	26.19%
DDH0707	DDH 001103	85.27	86.2	1222	621	137	427	80	7	67	12	87	19	57	9	60	8	638	3451	958	2493	27.76%
DDH0707	DDH 001104	86.2	87.11	1302	666	137	468	85	8	69	13	84	18	53	9	56	7	675	3649	983	2665	26.95%
DDH0707	DDH 001105	87.11	88	840	432	93	292	55	5	46	9	58	13	36	6	39	5	438	2366	650	1717	27.45%
DDH0707	DDH 001106	88	88.95	626	334	71	231	41	4	35	7	45	10	30	5	32	5	335	1809	502	1307	27.76%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	HEAVY REO	LIGHT REO	HEAVY REO %
DDH0707	DDH 001107	88.95	89.88	1412	705	157	486	82	8	65	11	73	15	43	7	46	5	707	3821	971	2850	25.42%
DDH0707	DDH 001108	89.88	90.825	1498	774	163	511	93	9	85	16	109	25	72	11	72	9	783	4232	1183	3049	27.95%
DDH0707	DDH 001109	90.825	91.775	666	343	76	251	50	4	42	8	51	11	33	6	35	5	358	1937	549	1389	28.32%
DDH0707	DDH 001112	91.775	92.76	684	371	73	222	36	3	23	4	20	4	10	2	13	2	333	1797	410	1388	22.80%
DDH0707	DDH 001113	92.76	93.73	577	289	62	189	32	3	23	4	19	4	10	2	13	2	279	1506	354	1152	23.53%
DDH0707	DDH 001114	93.73	94.72	575	301	64	199	31	3	23	4	22	4	11	2	13	2	285	1539	366	1173	23.79%
DDH0707	DDH 001115	94.72	95.66	368	204	40	119	20	2	14	2	13	3	6	1	8	1	182	984	231	754	23.42%
DDH0707	DDH 001116	95.66	96.6	384	195	41	129	22	2	16	3	17	3	10	2	13	2	190	1029	256	773	24.85%
DDH0707	DDH 001117	96.6	97.525	560	325	58	166	24	2	14	2	14	3	7	2	13	2	271	1463	327	1135	22.39%
DDH0707	DDH 001118	97.525	98.485	846	462	93	275	42	3	28	5	31	7	21	3	23	3	418	2259	538	1721	23.81%
DDH0707	DDH 001119	98.485	99.415	786	419	80	245	37	3	25	5	27	6	15	3	18	3	380	2052	482	1570	23.47%
DDH0707	DDH 001120	99.415	100.405	1052	529	124	385	74	7	65	12	84	18	53	8	54	7	561	3035	863	2172	28.44%
DDH0707	DDH 001121	100.405	101.395	468	244	52	164	27	2	18	3	17	4	9	1	10	2	232	1255	296	958	23.62%
DDH0707	DDH 001123	101.395	102.375	1633	825	178	578	113	11	95	18	115	25	71	12	75	10	853	4610	1273	3337	27.61%
DDH0707	DDH 001124	102.375	103.315	1165	630	133	399	74	7	65	13	86	18	53	8	55	7	616	3327	919	2408	27.62%
AVERAGE				1479	765	168	532	99	10	87	17	115	25	75	12	78	10	788	4260	1207	3053	27.85%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0708	DDH 001134	4.375	5.295	2247	1112	251	829	163	16	145	29	191	42	124	19	124	16	1205	6514	1895	4619	29.09%
DDH0708	DDH 001135	5.295	6.26	1719	870	185	614	119	12	106	20	135	30	86	14	91	11	911	4925	1405	3520	28.53%
DDH0708	DDH 001136	6.26	7.175	2517	1267	280	937	184	18	168	34	224	50	151	24	148	19	1367	7388	2184	5204	29.56%
DDH0708	DDH 001137	7.175	8.085	1584	796	176	582	118	11	104	20	135	29	90	14	92	12	855	4620	1352	3268	29.26%
DDH0708	DDH 001138	8.085	9.025	1510	759	168	557	108	10	99	20	133	30	88	14	89	11	816	4413	1300	3113	29.46%
DDH0708	DDH 001139	9.025	9.94	894	459	101	323	60	5	51	10	64	14	41	7	44	6	472	2550	708	1841	27.78%
DDH0708	DDH 001140	9.94	10.865	899	461	103	319	61	6	58	11	77	17	49	8	54	7	484	2614	763	1850	29.20%
DDH0708	DDH 001141	10.865	11.765	1400	717	159	507	107	10	92	18	124	27	81	13	83	11	760	4111	1211	2900	29.46%
DDH0708	DDH 001142	11.765	12.625	2186	1117	249	789	155	15	143	28	189	42	121	19	121	16	1178	6369	1858	4511	29.17%
DDH0708	DDH 001143	12.625	13.545	1302	645	145	480	90	9	83	16	106	23	70	11	74	10	696	3760	1088	2672	28.94%
DDH0708	DDH 001145	13.545	14.48	1670	869	185	593	121	12	111	22	144	32	93	15	96	13	902	4876	1426	3450	29.25%
DDH0708	DDH 001146	14.48	15.44	677	331	78	251	45	4	35	7	45	10	30	5	34	5	353	1908	524	1384	27.44%
DDH0708	DDH 001147	15.44	16.35	1083	536	122	399	72	7	65	12	86	18	54	9	58	8	574	3103	884	2219	28.48%
DDH0708	DDH 001148	16.35	17.25	1596	800	181	589	116	11	106	20	134	30	86	14	91	12	860	4646	1353	3294	29.11%
DDH0708	DDH 001149	17.25	18.16	2812	1419	307	1044	205	20	180	36	243	53	150	23	153	20	1513	8177	2370	5807	28.99%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0708	DDH 001150	18.16	19.11	1744	901	202	625	125	13	115	23	152	33	99	16	101	13	945	5106	1497	3609	29.31%
DDH0708	DDH 001151	19.11	20.08	1572	782	176	560	108	10	92	18	117	26	75	11	76	10	825	4458	1250	3208	28.04%
DDH0708	DDH 001152	20.08	21	2296	1196	254	817	165	16	148	29	194	42	126	20	130	17	1237	6687	1943	4744	29.05%
DDH0708	DDH 001153	21	21.93	2075	1050	232	732	153	15	138	28	189	42	128	20	128	16	1123	6071	1813	4258	29.87%
DDH0708	DDH 001154	21.93	22.875	1061	533	119	387	75	7	67	13	87	19	57	9	63	8	568	3072	891	2181	29.01%
DDH0708	DDH 001156	22.875	23.805	1052	533	123	378	70	6	58	11	72	15	46	7	50	7	551	2980	818	2163	27.44%
DDH0708	DDH 001157	23.805	24.76	846	422	96	298	54	5	39	8	49	11	34	6	42	6	435	2351	630	1721	26.79%
DDH0708	DDH 001158	24.76	25.725	2112	1085	243	813	152	16	141	28	185	40	120	19	124	16	1156	6249	1829	4420	29.27%
DDH0708	DDH 001159	25.725	26.695	2235	1123	242	834	163	16	141	29	191	43	128	20	125	17	1204	6509	1897	4612	29.14%
DDH0708	DDH 001160	26.695	27.655	1830	948	204	665	130	13	118	23	154	33	100	16	99	13	986	5330	1541	3789	28.91%
DDH0708	DDH 001161	27.655	28.625	1609	811	176	576	112	11	104	20	133	29	84	14	88	11	857	4633	1339	3294	28.91%
DDH0708	DDH 001162	28.625	29.6	2198	1116	249	834	165	16	145	29	194	42	125	20	130	16	1198	6475	1899	4576	29.33%
DDH0708	DDH 001163	29.6	30.51	1136	565	134	417	76	7	67	13	88	19	58	9	62	8	604	3265	929	2336	28.45%
DDH0708	DDH 001164	30.51	31.48	2763	1408	303	998	191	18	166	34	226	49	146	24	151	19	1475	7971	2290	5681	28.73%
DDH0708	DDH 001165	31.48	32.455	1989	1008	232	724	144	15	129	26	176	39	118	19	120	16	1079	5831	1720	4111	29.50%
DDH0708	DDH 001167	32.455	33.38	2014	1011	221	707	141	13	115	22	148	32	95	15	100	13	1055	5704	1596	4107	27.99%
DDH0708	DDH 001168	33.38	34.335	1138	581	128	405	79	8	71	14	92	21	60	10	65	9	609	3290	951	2339	28.91%
DDH0708	DDH 001169	34.335	35.265	1277	619	146	457	85	8	76	15	96	21	61	10	64	9	668	3612	1019	2593	28.22%
DDH0708	DDH 001170	35.265	36.235	1003	522	115	356	68	7	62	12	82	18	51	8	57	8	538	2908	836	2071	28.77%
DDH0708	DDH 001171	36.235	37.255	1670	848	187	613	123	12	111	23	150	33	101	16	105	14	910	4916	1463	3454	29.75%
DDH0708	DDH 001172	37.255	38.125	1609	805	176	570	108	11	99	20	135	31	91	14	92	12	857	4631	1351	3280	29.18%
DDH0708	DDH 001173	38.125	39	1609	813	176	562	101	9	81	15	95	20	55	9	60	8	820	4433	1163	3271	26.23%
DDH0708	DDH 001174	39	39.965	2051	1058	219	736	133	13	122	24	160	36	104	16	106	13	1087	5877	1668	4210	28.38%
DDH0708	DDH 001175	39.965	40.925	1658	848	190	606	123	12	113	22	149	33	97	15	98	13	903	4880	1443	3437	29.57%
DDH0708	DDH 001176	40.925	41.9	3181	1619	345	1189	227	23	208	41	281	61	178	29	182	23	1722	9309	2725	6584	29.28%
DDH0708	DDH 001178	41.9	42.845	1682	848	187	612	117	12	104	20	137	30	86	14	90	12	897	4847	1389	3459	28.64%
DDH0708	DDH 001179	42.845	43.79	2309	1185	257	862	165	17	155	30	205	45	134	21	136	17	1257	6793	1999	4794	29.43%
DDH0708	DDH 001180	43.79	44.73	3377	1677	383	1236	247	26	228	45	307	70	198	32	205	26	1829	9885	2939	6946	29.73%
DDH0708	DDH 001181	44.73	45.645	4175	2123	463	1539	294	29	265	52	349	75	220	35	221	29	2240	12109	3485	8623	28.78%
DDH0708	DDH 001182	45.645	46.585	1817	954	211	638	126	13	115	22	149	33	100	16	100	13	978	5285	1526	3759	28.88%
DDH0708	DDH 001183	46.585	47.53	2026	1050	223	722	146	15	145	29	184	42	121	20	123	16	1104	5967	1784	4182	29.90%
DDH0708	DDH 001184	47.53	48.435	1916	958	215	667	137	14	127	25	165	37	112	18	109	15	1025	5539	1633	3907	29.48%
DDH0708	DDH 001185	48.435	49.375	2468	1243	277	872	178	18	173	33	219	49	149	23	139	19	1330	7192	2135	5057	29.69%
DDH0708	DDH 001186	49.375	50.335	3181	1607	361	1136	229	23	224	43	280	64	189	30	181	25	1719	9291	2754	6537	29.64%
DDH0708	DDH 001187	50.335	51.28	2321	1196	257	835	163	16	155	30	195	44	132	21	124	17	1250	6755	1967	4789	29.11%
DDH0708	DDH 001189	51.28	52.24	1793	921	196	617	122	12	108	21	139	31	93	15	91	13	947	5119	1459	3660	28.50%
DDH0708	DDH 001190	52.24	53.016	1989	1016	222	759	140	14	125	23	142	32	94	15	88	12	1060	5731	1590	4141	27.75%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0708	DDH 001191	53.016	54.02	3254	1642	344	1165	229	23	221	44	295	66	192	31	190	26	1753	9477	2818	6658	29.74%
DDH0708	DDH 001192	54.02	54.93	2456	1267	274	921	183	19	173	34	226	52	154	24	151	21	1352	7308	2188	5120	29.94%
DDH0708	DDH 001193	54.93	55.885	2947	1490	325	1081	214	21	201	40	263	60	180	29	169	23	1599	8641	2562	6078	29.65%
DDH0708	DDH 001194	55.885	56.845	4138	2100	447	1446	283	29	267	52	354	80	235	37	223	30	2206	11926	3484	8443	29.21%
DDH0708	DDH 001195	56.845	57.81	2260	1134	252	813	166	16	150	28	185	42	125	19	118	16	1208	6532	1892	4640	28.96%
DDH0708	DDH 001196	57.81	58.76	1891	986	213	688	138	14	134	26	166	37	111	17	106	14	1031	5573	1643	3930	29.48%
DDH0708	DDH 001197	58.76	59.69	1793	884	201	634	127	13	122	24	156	35	102	16	100	13	958	5180	1527	3653	29.48%
DDH0708	DDH 001198	59.69	60.55	1176	604	135	414	85	9	78	15	95	21	62	10	62	9	630	3405	981	2423	28.83%
DDH0708	DDH 001200	60.55	61.46	1633	826	186	588	116	12	111	21	133	30	90	15	87	12	876	4735	1375	3360	29.04%
DDH0708	DDH 001201	61.46	62.39	2075	1072	231	733	150	15	143	27	178	40	119	19	115	16	1119	6051	1775	4276	29.34%
DDH0708	DDH 001202	62.39	63.27	1609	827	185	585	114	12	106	20	133	30	89	14	88	12	868	4690	1359	3331	28.98%
DDH0708	DDH 001203	63.27	64.18	841	446	101	303	60	6	53	10	64	14	42	7	44	7	454	2452	695	1756	28.37%
DDH0708	DDH 001204	64.18	65.11	537	285	61	192	34	4	28	5	31	7	21	4	26	4	281	1521	408	1113	26.80%
DDH0708	DDH 001205	65.11	66.01	823	413	97	298	57	5	51	9	62	13	42	7	46	7	438	2368	674	1694	28.48%
DDH0708	DDH 001206	66.01	66.89	977	506	114	375	72	7	71	13	88	20	58	9	57	8	539	2915	864	2052	29.63%
DDH0708	DDH 001207	66.89	67.78	1314	667	151	473	93	9	85	17	107	24	73	11	71	10	705	3810	1102	2708	28.92%
DDH0708	DDH 001208	67.78	68.695	686	354	75	240	48	5	46	9	56	13	37	6	39	5	368	1988	579	1408	29.15%
DDH0708	DDH 001209	68.695	69.635	996	501	118	386	70	7	60	12	67	14	41	6	40	6	527	2851	773	2078	27.10%
DDH0708	DDH 001211	69.635	70.565	779	408	86	273	57	5	53	10	64	15	42	7	42	6	419	2265	658	1607	29.03%
DDH0708	DDH 001212	70.565	71.525	1054	535	117	380	74	7	67	12	78	17	50	8	49	7	557	3011	845	2167	28.05%
DDH0708	DDH 001213	71.525	72.435	813	415	92	286	60	6	55	10	67	15	45	7	46	6	437	2360	689	1671	29.19%
DDH0708	DDH 001214	72.435	73.405	835	425	99	303	60	6	60	12	73	16	47	8	47	6	453	2451	723	1728	29.50%
DDH0708	DDH 001215	73.405	74.375	742	387	82	271	56	6	51	10	64	14	45	7	41	6	404	2186	643	1544	29.40%
DDH0708	DDH 001216	74.375	75.285	1314	696	140	456	90	9	88	17	104	23	70	11	66	9	702	3795	1090	2705	28.72%
DDH0708	DDH 001217	75.285	76.265	880	470	99	315	62	6	60	11	71	16	47	7	46	7	476	2572	739	1833	28.75%
DDH0708	DDH 001218	76.265	77.185	808	414	91	287	58	6	55	11	69	16	49	8	46	6	437	2361	697	1664	29.53%
DDH0708	DDH 001219	77.185	78.09	1302	649	138	462	97	9	90	17	111	25	74	12	72	10	696	3762	1106	2656	29.40%
DDH0708	DDH 001220	78.09	79.06	1059	547	120	374	75	8	71	14	89	21	57	9	57	8	569	3078	896	2182	29.10%
DDH0708	DDH 001222	79.06	79.975	1572	793	175	564	115	12	113	22	141	32	97	15	92	12	853	4608	1377	3232	29.87%
DDH0708	DDH 001223	79.975	80.96	1609	818	179	578	118	12	118	23	142	32	96	15	90	13	872	4712	1399	3313	29.69%
DDH0708	DDH 001224	80.96	81.895	1277	655	138	449	88	9	83	16	105	23	70	11	69	10	682	3684	1069	2615	29.02%
DDH0708	DDH 001225	81.895	82.89	739	382	84	272	53	5	46	9	53	12	34	5	34	5	394	2128	592	1536	27.83%
DDH0708	DDH 001226	82.89	83.885	1302	630	135	443	87	8	76	15	94	20	60	9	59	8	669	3615	1010	2605	27.93%
DDH0708	DDH 001227	83.885	84.83	1277	629	146	457	79	7	60	10	63	14	39	6	40	6	643	3477	882	2595	25.36%
DDH0708	DDH 001228	84.83	85.8	1277	645	141	454	95	9	90	18	112	25	76	12	74	11	690	3729	1107	2622	29.69%
DDH0708	DDH 001229	85.8	86.765	1067	552	128	385	76	8	71	14	92	21	63	10	60	9	580	3137	920	2216	29.34%
DDH0708	DDH 001230	86.765	87.69	1265	629	141	450	86	8	76	14	90	20	57	9	56	7	660	3568	988	2579	27.70%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0708	DDH 001231	87.69	88.66	1227	605	138	447	87	9	74	14	91	20	58	9	58	8	645	3489	977	2512	28.00%
DDH0708	DDH 001233	88.66	89.645	1695	850	181	665	127	13	118	22	144	31	93	15	90	12	920	4976	1444	3531	29.03%
DDH0708	DDH 001234	89.645	90.53	1891	933	208	746	139	14	127	24	154	34	102	16	99	13	1022	5522	1591	3931	28.82%
DDH0708	DDH 001235	90.53	91.49	1560	777	173	613	126	12	118	23	146	33	97	15	96	13	863	4664	1403	3261	30.08%
DDH0708	DDH 001236	91.49	92.455	1363	663	147	521	105	10	99	20	122	28	83	13	79	11	741	4005	1194	2810	29.82%
DDH0708	DDH 001237	92.455	93.375	602	297	65	231	40	4	35	7	44	9	27	5	30	5	317	1715	477	1238	27.81%
DDH0708	DDH 001238	93.375	94.34	1070	536	113	405	79	8	74	14	93	20	62	10	59	9	579	3131	921	2210	29.40%
DDH0708	DDH 001239	94.34	95.315	1351	679	139	520	103	11	97	19	122	27	81	13	80	11	738	3990	1187	2803	29.75%
DDH0708	DDH 001240	95.315	96.245	1596	789	170	623	123	13	118	23	152	34	99	16	97	14	878	4743	1429	3314	30.13%
DDH0708	DDH 001241	96.245	97.225	499	257	51	176	33	3	30	5	36	8	24	4	25	4	262	1418	398	1019	28.10%
DDH0708	DDH 001242	97.225	98.195	997	491	111	384	76	8	71	13	87	19	58	9	56	8	542	2932	865	2067	29.51%
DDH0708	DDH 001244	98.195	99.05	1208	596	135	468	93	9	85	16	108	23	70	11	69	9	659	3562	1052	2509	29.55%
DDH0708	DDH 001245	99.05	99.965	868	425	96	336	67	7	65	12	79	17	54	8	52	7	475	2568	771	1798	30.00%
DDH0708	DDH 001246	99.965	100.92	1240	612	130	485	94	9	92	18	113	26	76	12	74	10	679	3672	1101	2571	29.97%
DDH0708	DDH 001247	100.92	101.875	2186	1101	238	842	170	17	168	32	210	48	141	22	134	19	1210	6538	1984	4554	30.34%
DDH0708	DDH 001248	101.875	102.825	2198	1091	243	921	183	18	171	34	219	49	150	23	139	19	1239	6697	2043	4654	30.50%
DDH0708	DDH 001249	102.825	103.745	3880	1877	410	1551	313	32	314	59	389	86	248	40	245	32	2151	11626	3563	8062	30.65%
DDH0708	DDH 001250	103.745	104.695	1152	594	126	449	88	9	88	16	102	23	69	11	68	9	636	3438	1022	2417	29.71%
DDH0708	DDH 001251	104.695	105.66	1289	629	132	504	99	10	95	18	113	25	74	12	72	10	699	3779	1117	2662	29.56%
DDH0708	DDH 001252	105.66	106.645	1400	686	149	538	107	11	101	20	130	29	88	14	82	11	764	4128	1238	2890	29.99%
DDH0708	DDH 001253	106.645	107.63	1817	888	196	711	138	15	134	27	172	39	119	18	114	16	1000	5403	1638	3765	30.32%
DDH0708	DDH 001255	107.63	108.59	1842	910	190	674	143	15	138	27	172	40	116	18	113	16	1002	5415	1641	3774	30.30%
DDH0708	DDH 001256	108.59	109.47	982	438	106	357	72	7	65	12	80	17	51	8	51	7	512	2766	804	1962	29.07%
DDH0708	DDH 001257	109.47	110.385	1412	644	163	521	104	10	99	19	119	27	78	12	76	10	748	4043	1189	2854	29.41%
DDH0708	DDH 001258	110.385	111.285	2542	1165	274	926	182	18	180	34	226	51	149	23	145	21	1347	7284	2177	5107	29.88%
DDH0708	DDH 001259	111.285	112.235	2677	1220	284	970	191	19	182	35	230	51	158	25	147	21	1410	7619	2258	5362	29.63%
DDH0708	DDH 001260	112.235	113.19	1535	686	175	559	110	12	104	21	132	30	88	13	83	12	808	4365	1289	3076	29.54%
DDH0708	DDH 001261	113.19	114.085	1867	836	208	681	140	13	129	25	166	37	109	17	105	14	987	5334	1589	3745	29.79%
DDH0708	DDH 001262	114.085	115.04	2124	957	246	803	152	16	148	29	188	43	130	20	120	17	1133	6127	1828	4299	29.83%
DDH0708	DDH 001263	115.04	116.015	2186	995	242	799	153	16	150	29	192	43	134	21	124	18	1157	6256	1867	4389	29.84%
DDH0708	DDH 001264	116.015	116.945	1916	873	220	710	134	14	131	26	171	38	116	19	112	15	1020	5515	1648	3867	29.88%
DDH0708	DDH 001266	116.945	117.935	1793	822	197	652	133	13	125	24	160	36	108	17	101	14	952	5146	1536	3610	29.85%
DDH0708	DDH 001267	117.935	118.92	1928	876	220	703	144	14	134	26	172	39	117	18	113	15	1026	5545	1660	3885	29.94%
DDH0708	DDH 001268	118.92	119.91	1965	916	219	733	145	15	141	27	181	41	122	19	114	16	1056	5710	1718	3993	30.08%
DDH0708	DDH 001269	119.91	120.85	2382	1091	266	897	174	18	171	34	224	51	148	23	144	20	1281	6922	2094	4828	30.25%
DDH0708	DDH 001270	120.85	121.765	3021	1408	335	1076	218	22	217	42	289	63	190	30	185	25	1616	8737	2657	6080	30.41%
DDH0708	DDH 001271	121.765	122.745	2493	1154	279	934	177	19	173	35	223	51	154	24	150	21	1336	7223	2167	5056	30.00%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
AVERAGE				1691	843	188	620	122	12	113	22	144	32	95	15	94	13	909	4912	1438	3475	29.11%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0709	DDH 001328	3.645	4.565	629	300	72	232	46	4	42	8	49	11	34	5	31	4	333	1800	516	1284	28.66%
DDH0709	DDH 001329	4.565	5.5	262	117	28	87	17	2	14	3	17	4	11	2	11	1	130	705	192	512	27.29%
DDH0709	DDH 001330	5.5	6.4	1289	611	144	443	94	9	92	18	117	26	78	13	75	11	686	3708	1117	2591	30.12%
DDH0709	DDH 001332	6.4	7.26	1707	781	190	609	115	12	111	21	132	29	84	13	84	11	885	4785	1371	3414	28.65%
DDH0709	DDH 001333	7.26	8.14	2542	1173	278	885	185	19	184	36	239	54	160	25	155	20	1352	7308	2226	5082	30.46%
DDH0709	DDH 001334	8.14	9.02	1695	822	184	574	111	11	106	20	129	29	86	14	87	12	881	4760	1363	3397	28.64%
DDH0709	DDH 001335	9.02	9.935	1965	901	209	693	138	14	131	26	171	38	116	18	112	15	1032	5577	1658	3919	29.73%
DDH0709	DDH 001336	9.935	10.795	1172	543	133	422	82	8	78	15	98	22	67	11	67	9	619	3347	987	2360	29.49%
DDH0709	DDH 001337	10.795	11.74	1903	868	208	661	131	14	127	24	155	36	107	16	100	14	991	5354	1569	3785	29.31%
DDH0709	DDH 001338	11.74	12.66	1486	670	170	529	107	11	104	20	129	30	86	14	85	12	783	4235	1262	2973	29.81%
DDH0709	DDH 001339	12.66	13.59	2395	1133	283	844	169	17	157	30	203	46	135	21	131	18	1267	6849	2009	4840	29.33%
DDH0709	DDH 001340	13.59	14.515	1584	735	170	548	110	11	104	20	130	30	88	13	83	12	826	4463	1304	3158	29.23%
DDH0709	DDH 001341	14.515	15.445	1584	717	176	552	105	11	99	19	117	27	79	12	74	10	813	4395	1250	3145	28.44%
DDH0709	DDH 001343	15.445	16.315	2788	1361	303	922	156	14	134	24	153	33	94	15	92	12	1385	7485	1941	5544	25.93%
DDH0709	DDH 001344	16.315	17.265	1867	848	207	653	132	13	127	24	161	34	101	16	99	13	975	5270	1550	3719	29.42%
DDH0709	DDH 001345	17.265	18.16	803	382	92	296	56	5	48	9	56	12	35	5	36	5	418	2261	625	1636	27.66%
DDH0709	DDH 001346	18.16	19.08	834	389	94	300	56	6	48	9	58	12	36	6	38	5	429	2320	642	1678	27.67%
DDH0709	DDH 001347	19.08	19.93	950	450	108	347	68	6	62	12	77	18	51	8	52	8	504	2724	792	1931	29.09%
DDH0709	DDH 001348	19.93	20.875	817	371	89	278	55	6	51	9	61	14	39	6	41	6	418	2260	645	1615	28.53%
DDH0709	DDH 001349	20.875	21.705	755	345	86	279	54	5	51	9	59	13	38	6	38	5	396	2140	615	1524	28.76%
DDH0709	DDH 001350	21.705	22.665	725	344	83	261	54	5	46	9	56	12	37	6	36	5	381	2060	590	1471	28.63%
DDH0709	DDH 001351	22.665	23.615	1510	778	168	578	111	11	104	19	131	28	82	12	80	11	822	4445	1289	3156	29.00%
DDH0709	DDH 001352	23.615	24.55	1646	792	180	630	115	11	104	19	125	27	78	12	79	10	869	4695	1323	3373	28.17%
DDH0709	DDH 001354	24.55	25.545	1219	653	130	428	72	6	58	11	69	14	45	7	41	6	627	3388	877	2510	25.90%
DDH0709	DDH 001355	25.545	26.495	594	304	66	217	41	3	30	6	37	8	23	4	24	4	309	1670	445	1225	26.65%
DDH0709	DDH 001356	26.495	27.445	653	324	72	243	43	4	35	6	40	8	25	4	26	4	337	1824	485	1339	26.60%
DDH0709	DDH 001357	27.445	28.39	631	326	69	229	41	4	37	7	43	9	29	4	28	4	332	1792	493	1300	27.50%
DDH0709	DDH 001358	28.39	29.325	942	465	100	351	67	6	60	11	75	16	49	8	48	7	500	2703	772	1931	28.57%
DDH0709	DDH 001359	29.325	30.185	587	300	66	227	40	4	37	7	45	9	29	4	31	4	316	1705	481	1224	28.21%
DDH0709	DDH 001360	30.185	31.14	1025	526	116	377	72	7	67	12	80	17	53	8	51	7	549	2966	843	2123	28.42%
DDH0709	DDH 001361	31.14	32.015	1024	528	114	391	75	7	67	12	80	18	54	8	51	7	553	2989	851	2139	28.46%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0709	DDH 001362	32.015	32.985	1584	791	173	609	115	12	106	20	131	28	88	13	80	11	853	4612	1329	3283	28.82%
DDH0709	DDH 001363	32.985	33.95	1560	789	165	582	110	11	104	19	134	28	89	13	82	11	839	4538	1320	3218	29.09%
DDH0709	DDH 001365	33.95	34.94	1719	909	182	669	124	13	115	22	149	32	100	16	95	13	944	5101	1484	3616	29.10%
DDH0709	DDH 001366	34.94	35.91	1682	863	182	618	121	12	111	20	141	30	93	14	88	12	905	4893	1414	3479	28.89%
DDH0709	DDH 001367	35.91	36.855	1707	857	185	642	125	12	115	22	144	31	96	14	89	12	920	4971	1443	3529	29.02%
DDH0709	DDH 001368	36.855	37.845	2014	1028	219	801	148	14	138	25	173	37	112	17	105	14	1100	5944	1720	4224	28.94%
DDH0709	DDH 001369	37.845	38.76	1953	997	216	739	145	15	136	25	170	37	116	17	108	15	1064	5752	1688	4065	29.34%
DDH0709	DDH 001370	38.76	39.68	2100	1052	234	833	159	16	150	28	191	42	129	19	121	16	1155	6245	1851	4393	29.65%
DDH0709	DDH 001371	39.68	40.65	2481	1267	275	964	182	18	175	33	232	47	149	22	139	18	1363	7365	2178	5187	29.57%
DDH0709	DDH 001372	40.65	41.64	2382	1220	256	880	176	18	164	32	215	47	144	22	138	18	1297	7010	2077	4933	29.62%
DDH0709	DDH 001373	41.64	42.57	3217	1619	344	1224	233	24	214	42	298	59	189	29	181	24	1747	9446	2784	6661	29.48%
DDH0709	DDH 001374	42.57	43.505	2567	1314	274	964	189	19	180	35	238	52	161	24	155	21	1406	7598	2271	5327	29.89%
DDH0709	DDH 001376	43.505	44.455	4347	2240	474	1621	318	31	309	57	386	81	254	39	245	33	2368	12802	3772	9030	29.46%
DDH0709	DDH 001377	44.455	45.365	2358	1208	262	907	174	18	161	32	223	47	148	23	140	19	1298	7018	2090	4927	29.79%
DDH0709	DDH 001378	45.365	46.33	3880	1935	414	1399	284	28	281	50	366	82	246	36	228	30	2102	11364	3422	7942	30.11%
DDH0709	DDH 001379	46.33	47.285	4605	2323	492	1761	333	34	316	60	410	89	269	40	256	34	2501	13521	3975	9546	29.40%
DDH0709	DDH 001380	47.285	48.18	2726	1384	279	1011	201	20	189	37	274	58	177	26	166	23	1492	8064	2443	5621	30.30%
DDH0709	DDH 001381	48.18	49.165	2579	1337	279	1016	194	19	175	34	236	52	161	25	154	21	1426	7707	2284	5424	29.63%
DDH0709	DDH 001382	49.165	50.125	2874	1455	308	1061	206	20	210	37	248	53	169	26	163	22	1555	8407	2484	5923	29.54%
DDH0709	DDH 001383	50.125	51.095	3561	1736	378	1329	264	26	254	48	340	74	220	33	207	29	1929	10427	3133	7295	30.04%
DDH0709	DDH 001384	51.095	52.04	3131	1630	335	1157	228	23	221	42	288	64	206	30	180	25	1716	9276	2772	6504	29.88%
DDH0709	DDH 001385	52.04	52.955	2984	1525	320	1135	217	22	205	39	274	61	185	29	179	24	1634	8833	2631	6202	29.79%
DDH0709	DDH 001387	52.955	53.935	1424	714	153	533	100	10	92	17	117	25	80	12	76	10	764	4129	1193	2936	28.90%
DDH0709	DDH 001388	53.935	54.84	1437	720	161	532	103	10	99	18	124	27	82	13	77	11	775	4189	1226	2963	29.27%
DDH0709	DDH 001389	54.84	55.795	1793	901	196	674	130	12	120	23	154	33	105	16	100	13	969	5238	1533	3705	29.26%
DDH0709	DDH 001390	55.795	56.745	1572	806	168	548	95	9	78	14	96	21	62	10	60	8	805	4353	1156	3197	26.55%
DDH0709	DDH 001391	56.745	57.7	1744	918	190	653	117	12	111	21	140	30	92	14	85	12	939	5078	1444	3633	28.44%
DDH0709	DDH 001392	57.7	58.665	2652	1349	290	1018	199	19	178	34	232	50	154	23	148	20	1445	7812	2284	5528	29.24%
DDH0709	DDH 001393	58.665	59.585	2763	1419	306	1048	210	21	196	37	250	54	172	26	159	22	1517	8200	2433	5767	29.67%
DDH0709	DDH 001394	59.585	60.51	1131	579	116	423	78	8	71	14	93	20	62	10	60	9	607	3282	946	2336	28.81%
DDH0709	DDH 001395	60.51	61.505	1228	628	137	476	85	8	76	14	97	21	65	10	60	8	661	3574	1012	2561	28.33%
DDH0709	DDH 001396	61.505	62.43	1437	727	149	526	104	10	92	18	123	27	83	12	80	11	771	4169	1217	2952	29.19%
DDH0709	DDH 001398	62.43	63.335	1314	666	138	507	90	9	83	16	104	23	72	11	67	9	706	3814	1091	2724	28.59%
DDH0709	DDH 001399	63.335	64.3	907	460	103	345	64	6	58	11	73	16	47	8	48	7	489	2643	756	1886	28.62%
DDH0709	DDH 001400	64.3	65.21	1116	591	124	407	77	7	69	13	88	19	59	9	57	8	601	3246	923	2323	28.44%
DDH0709	DDH 001401	65.21	66.13	1682	883	184	625	122	12	111	22	145	31	97	15	90	13	915	4945	1438	3507	29.07%
DDH0709	DDH 001402	66.13	67.105	1424	718	150	524	102	10	92	18	117	25	78	12	74	10	761	4115	1188	2927	28.86%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0709	DDH 001403	67.105	68.075	1375	672	146	507	97	9	90	17	114	25	77	12	76	10	733	3962	1155	2807	29.15%
DDH0709	DDH 001404	68.075	69	1314	657	135	520	98	10	90	17	118	25	80	12	76	10	718	3880	1146	2734	29.53%
DDH0709	DDH 001405	69	69.95	1756	881	187	693	127	13	115	22	155	32	97	15	96	13	954	5156	1499	3657	29.08%
DDH0709	DDH 001406	69.95	70.82	1560	812	170	596	114	11	104	20	129	28	85	13	82	11	847	4580	1318	3262	28.77%
DDH0709	DDH 001407	70.82	71.815	1879	954	204	736	139	13	131	25	171	38	114	17	109	15	1032	5577	1653	3925	29.63%
DDH0709	DDH 001409	71.815	72.79	1572	794	176	642	122	12	111	20	139	29	93	14	87	12	868	4690	1372	3318	29.25%
DDH0709	DDH 001410	72.79	73.75	1400	694	155	557	106	10	95	18	121	27	84	13	80	11	765	4135	1212	2923	29.32%
DDH0709	DDH 001411	73.75	74.705	1572	781	170	564	93	8	74	12	81	17	49	8	48	7	791	4275	1085	3189	25.39%
DDH0709	DDH 001412	74.705	75.61	1879	945	205	693	132	13	118	22	148	32	100	15	97	13	1002	5414	1547	3867	28.58%
DDH0709	DDH 001413	75.61	76.6	2112	1072	227	777	144	15	127	24	155	34	102	16	98	14	1116	6031	1685	4346	27.94%
AVERAGE				**1765**	**881**	**192**	**656**	**126**	**12**	**117**	**22**	**149**	**32**	**99**	**15**	**95**	**13**	**947**	**5120**	**1489**	**3631**	**28.84%**

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0710	DDH 001523	3.08	4.02	1486	744	158	593	108	11	99	19	125	27	84	12	82	11	808	4367	1267	3100	29.02%
DDH0710	DDH 001524	4.02	4.94	1731	874	188	652	126	13	120	23	153	33	100	16	99	13	940	5081	1497	3584	29.46%
DDH0710	DDH 001525	4.94	5.88	1867	936	199	698	134	13	120	23	162	34	106	16	103	14	1005	5431	1583	3848	29.15%
DDH0710	DDH 001526	5.88	6.77	1302	647	143	483	89	8	81	15	100	21	64	10	63	9	689	3722	1050	2672	28.22%
DDH0710	DDH 001527	6.77	7.695	1212	616	132	461	88	8	74	14	94	20	63	10	59	8	649	3506	991	2516	28.25%
DDH0710	DDH 001528	7.695	8.64	2088	1040	222	785	150	15	138	27	178	38	118	18	114	15	1123	6068	1768	4300	29.14%
DDH0710	DDH 001530	8.64	9.55	3328	1677	362	1259	247	25	235	47	308	65	206	31	191	26	1817	9824	2925	6898	29.78%
DDH0710	DDH 001531	9.55	10.49	2370	1196	252	876	173	17	159	31	209	44	137	22	136	19	1280	6921	2037	4884	29.43%
DDH0710	DDH 001532	10.49	11.455	1097	547	124	433	80	8	71	13	92	19	62	9	62	9	596	3221	933	2288	28.98%
DDH0710	DDH 001533	11.455	12.39	1805	920	192	697	133	13	125	24	161	35	110	17	106	14	988	5340	1579	3761	29.57%
DDH0710	DDH 001534	12.39	13.375	1461	750	158	557	105	10	97	18	125	27	84	13	82	11	794	4295	1252	3042	29.16%
DDH0710	DDH 001535	13.375	14.345	2149	1090	238	782	161	16	145	27	192	41	128	20	123	17	1164	6293	1857	4436	29.51%
DDH0710	DDH 001536	14.345	15.28	1363	687	156	520	99	9	88	17	115	25	79	12	72	10	738	3989	1154	2835	28.93%
DDH0710	DDH 001537	15.28	16.235	3131	1619	341	1136	224	23	224	42	294	59	188	29	182	25	1706	9222	2749	6473	29.81%
DDH0710	DDH 001538	16.235	17.185	2628	1337	285	990	198	19	180	35	249	53	159	24	154	21	1437	7769	2311	5458	29.75%
DDH0710	DDH 001539	17.185	18.135	1498	755	169	592	108	11	101	19	127	27	84	13	81	11	817	4415	1280	3134	29.00%
DDH0710	DDH 001541	18.135	19.095	1363	692	150	531	97	10	88	16	113	24	74	11	71	10	737	3986	1144	2842	28.70%
DDH0710	DDH 001542	19.095	20.07	1547	781	164	571	102	10	95	17	118	26	80	12	81	11	821	4437	1261	3177	28.42%
DDH0710	DDH 001543	20.07	21	2002	1002	216	774	144	14	131	25	173	36	112	17	106	15	1082	5850	1698	4151	29.03%
DDH0710	DDH 001544	21	21.91	1584	809	170	583	113	11	101	20	133	30	92	14	88	12	854	4614	1343	3271	29.12%
DDH0710	DDH 001545	21.91	22.875	2026	1035	221	773	143	15	134	27	185	39	120	18	115	16	1104	5969	1757	4212	29.44%
DDH0710	DDH 001546	22.875	23.825	2014	1035	217	765	143	14	136	26	176	38	120	18	116	15	1097	5928	1741	4187	29.37%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0710	DDH 001547	23.825	24.755	1805	918	193	696	130	13	118	23	153	33	103	16	98	14	979	5291	1536	3755	29.03%
DDH0710	DDH 001548	24.755	25.735	2395	1220	259	904	170	17	159	31	216	45	145	22	137	19	1303	7041	2077	4964	29.50%
DDH0710	DDH 001549	25.735	26.705	1535	779	168	580	105	11	97	19	124	26	82	13	82	11	824	4455	1278	3177	28.69%
DDH0710	DDH 001550	26.705	27.665	1016	515	112	391	71	7	62	12	81	17	54	8	49	7	545	2945	834	2111	28.33%
DDH0710	DDH 001552	27.665	28.63	2395	1208	259	898	169	17	159	31	208	44	138	21	137	18	1294	6996	2051	4945	29.31%
DDH0710	DDH 001553	28.63	29.565	2640	1325	288	969	189	19	182	34	241	51	159	24	153	21	1429	7723	2292	5431	29.68%
DDH0710	DDH 001554	29.565	30.5	1129	587	126	419	78	7	71	14	95	20	63	9	60	8	610	3296	951	2345	28.86%
DDH0710	DDH 001555	30.5	31.48	2026	1024	217	768	144	15	136	27	178	39	124	19	122	16	1102	5956	1762	4195	29.58%
DDH0710	DDH 001556	31.48	32.455	2260	1162	248	850	165	16	152	29	211	47	136	21	129	18	1236	6679	1979	4701	29.62%
DDH0710	DDH 001557	32.455	33.36	1191	619	128	410	77	7	67	13	90	19	61	9	60	8	627	3387	953	2433	28.15%
DDH0710	DDH 001558	33.36	34.335	942	499	101	336	60	6	55	10	69	15	46	7	46	6	499	2697	754	1943	27.96%
DDH0710	DDH 001559	34.335	35.31	1211	629	133	457	88	9	78	15	102	22	64	10	63	9	655	3543	1017	2526	28.71%
DDH0710	DDH 001560	35.31	36.25	1265	645	143	482	93	9	83	15	99	21	65	10	63	9	681	3682	1045	2637	28.38%
DDH0710	DDH 001561	36.25	37.16	1326	657	143	485	86	8	76	14	87	19	57	9	56	8	688	3717	1013	2705	27.24%
DDH0710	DDH 001563	37.16	38.11	2468	1255	265	944	172	17	152	29	203	42	133	20	126	17	1326	7170	2049	5121	28.58%
DDH0710	DDH 001564	38.11	39	1424	718	152	515	98	9	90	17	121	26	80	13	79	10	761	4114	1196	2917	29.08%
DDH0710	DDH 001565	39	39.97	2333	1232	244	879	168	17	152	30	200	46	138	21	134	18	1274	6886	2013	4873	29.24%
DDH0710	DDH 001566	39.97	40.96	1240	632	134	494	88	9	78	15	104	22	69	11	68	9	675	3649	1051	2598	28.81%
DDH0710	DDH 001567	40.96	41.94	1781	922	197	673	126	12	113	21	142	30	94	14	89	12	959	5186	1475	3711	28.45%
DDH0710	DDH 001568	41.94	42.9	1449	745	158	548	104	10	95	18	125	27	82	13	82	11	787	4253	1239	3014	29.13%
DDH0710	DDH 001569	42.9	43.87	1461	744	163	506	106	10	97	19	126	27	86	13	83	11	784	4237	1246	2990	29.42%
DDH0710	DDH 001570	43.87	44.84	1940	975	213	737	136	14	131	25	172	37	114	18	113	15	1053	5693	1679	4014	29.50%
DDH0710	DDH 001571	44.84	45.77	2100	1120	221	771	145	14	134	26	180	39	124	19	124	17	1143	6176	1805	4371	29.23%
DDH0710	DDH 001572	45.77	46.745	1388	716	146	505	97	10	88	17	118	26	81	12	80	11	748	4041	1180	2861	29.21%
DDH0710	DDH 001574	46.745	47.715	1326	683	141	510	95	9	85	16	111	24	76	11	73	10	720	3891	1126	2764	28.95%
DDH0710	DDH 001575	47.715	48.68	2247	1168	244	848	161	16	150	30	202	43	136	20	128	18	1228	6639	1955	4685	29.44%
DDH0710	DDH 001576	48.68	49.64	3856	2029	410	1376	279	29	272	50	367	78	245	37	243	32	2112	11414	3435	7979	30.09%
DDH0710	DDH 001577	49.64	50.595	2652	1361	286	1002	192	19	180	36	246	53	168	26	161	23	1454	7857	2345	5513	29.84%
DDH0710	DDH 001578	50.595	51.535	2345	1220	255	841	162	17	159	31	205	45	145	22	139	19	1273	6879	2038	4840	29.63%
DDH0710	DDH 001579	51.535	52.505	1707	865	180	648	121	12	118	22	149	32	104	16	99	13	927	5013	1481	3532	29.54%
DDH0710	DDH 001580	52.505	53.485	2026	1023	216	737	143	14	136	27	180	40	124	19	121	17	1095	5917	1758	4159	29.71%
DDH0710	DDH 001581	53.485	54.46	1768	895	191	673	129	13	120	23	162	34	109	17	106	15	966	5220	1552	3669	29.72%
DDH0710	DDH 001582	54.46	55.44	1449	743	157	545	107	10	99	19	127	28	86	13	83	11	790	4268	1257	3011	29.46%
DDH0710	DDH 001583	55.44	56.405	2886	1455	307	1083	213	22	208	39	271	58	189	29	187	25	1582	8552	2586	5966	30.24%
DDH0710	DDH 001585	56.405	57.36	1916	990	203	721	134	14	127	24	165	37	119	17	112	15	1043	5637	1660	3978	29.44%
DDH0710	DDH 001586	57.36	58.34	809	418	88	303	58	5	53	9	65	14	43	7	43	6	436	2359	678	1681	28.74%
DDH0710	DDH 001587	58.34	59.3	755	388	85	283	53	5	48	9	61	14	42	7	43	6	409	2210	639	1571	28.93%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0710	DDH 001588	59.3	60.265	1523	782	167	578	108	11	99	19	130	29	88	13	87	12	828	4474	1304	3169	29.16%
DDH0710	DDH 001589	60.265	61.23	1449	730	157	527	104	11	95	18	123	27	88	13	83	11	780	4215	1238	2978	29.36%
DDH0710	DDH 001590	61.23	62.12	2088	1063	228	760	148	15	141	27	194	41	125	19	118	16	1131	6114	1812	4303	29.63%
DDH0710	DDH 001591	62.12	63	1891	971	204	710	137	14	122	24	173	36	114	17	107	15	1030	5566	1639	3927	29.44%
DDH0710	DDH 001592	63	63.93	1510	759	158	543	107	10	95	19	126	27	87	13	82	11	805	4353	1265	3088	29.06%
DDH0710	DDH 001593	63.93	64.835	1114	526	130	448	83	8	69	12	76	15	44	6	39	5	584	3159	850	2309	26.91%
DDH0710	DDH 001594	64.835	65.815	840	450	89	292	53	5	46	8	57	12	40	6	41	6	442	2387	659	1729	27.59%
DDH0710	DDH 001596	65.815	66.74	984	504	105	366	67	6	60	12	77	17	53	8	52	7	526	2845	813	2032	28.58%
DDH0710	DDH 001597	66.74	67.69	1117	572	120	442	77	8	74	14	98	21	66	10	64	9	611	3302	966	2336	29.25%
DDH0710	DDH 001598	67.69	68.645	1375	694	146	503	96	9	88	17	114	25	79	12	77	10	737	3982	1158	2824	29.09%
DDH0710	DDH 001599	68.645	69.6	939	487	104	335	64	6	58	11	73	16	50	8	50	8	501	2709	774	1935	28.59%
DDH0710	DDH 001600	69.6	70.575	850	425	93	321	56	6	46	8	55	12	36	5	35	5	443	2395	646	1750	26.95%
DDH0710	DDH 001601	70.575	71.57	984	503	107	359	66	7	62	12	82	17	54	8	55	8	527	2851	825	2026	28.95%
DDH0710	DDH 001602	71.57	72.505	1805	906	191	640	122	12	115	22	149	32	102	16	97	13	958	5181	1505	3676	29.05%
DDH0710	DDH 001603	72.505	73.465	2468	1255	266	920	174	18	164	32	230	48	148	22	142	19	1341	7247	2146	5101	29.61%
DDH0710	DDH 001604	73.465	74.45	2112	1086	225	803	146	16	141	27	184	43	126	19	122	17	1150	6215	1827	4388	29.40%
DDH0710	DDH 001605	74.45	75.405	1744	907	194	644	125	12	120	23	157	35	109	17	105	14	955	5161	1535	3626	29.74%
DDH0710	DDH 001607	75.405	76.34	1289	655	140	487	92	10	85	16	111	24	76	11	75	11	700	3783	1110	2673	29.35%
DDH0710	DDH 001608	76.34	77.33	975	520	112	373	70	6	62	12	80	17	54	8	55	8	534	2886	830	2056	28.75%
DDH0710	DDH 001609	77.33	78.27	941	484	105	344	66	6	60	11	77	17	53	8	52	8	507	2739	792	1946	28.93%
DDH0710	DDH 001610	78.27	79.22	1707	868	191	642	123	13	111	22	146	32	101	16	98	14	927	5010	1466	3544	29.26%
DDH0710	DDH 001611	79.22	80.17	1707	872	188	648	122	12	113	22	148	32	101	15	96	13	928	5016	1467	3549	29.25%
DDH0710	DDH 001612	80.17	81.07	1016	510	108	382	72	7	65	13	85	19	58	9	57	8	547	2956	859	2097	29.06%
DDH0710	DDH 001613	81.07	82.02	1461	759	162	559	104	11	95	18	126	27	86	13	87	11	798	4315	1260	3055	29.21%
DDH0710	DDH 001614	82.02	83.005	1461	755	157	545	105	10	92	18	122	27	85	13	82	11	791	4275	1241	3034	29.03%
DDH0710	DDH 001615	83.005	84	1253	655	143	461	91	9	83	16	107	23	72	11	69	9	681	3680	1070	2610	29.08%
DDH0710	DDH 001616	84	84.93	1043	537	112	377	72	7	67	13	84	19	59	9	56	8	559	3022	873	2148	28.91%
DDH0710	DDH 001618	84.93	85.905	1461	751	163	583	105	11	101	19	134	29	89	13	85	12	808	4365	1291	3074	29.57%
DDH0710	DDH 001619	85.905	86.895	1206	621	130	458	83	9	78	15	104	23	72	11	68	9	656	3544	1037	2507	29.25%
DDH0710	DDH 001620	86.895	87.815	914	442	102	340	59	6	51	9	61	13	39	6	38	5	474	2560	697	1863	27.22%
DDH0710	DDH 001621	87.815	88.78	1363	697	150	505	92	9	83	16	106	23	74	11	69	9	728	3933	1118	2815	28.43%
DDH0710	DDH 001622	88.78	89.71	2628	1349	281	988	187	18	178	33	243	53	161	25	157	21	1435	7758	2307	5451	29.74%
DDH0710	DDH 001623	89.71	90.635	1965	1003	205	749	144	14	131	25	174	38	121	18	116	16	1071	5792	1712	4080	29.56%
DDH0710	DDH 001624	90.635	91.605	2358	1185	252	837	167	17	152	29	208	46	142	22	136	19	1264	6834	2018	4816	29.53%
DDH0710	DDH 001625	91.605	92.575	1707	855	182	645	124	13	113	21	147	32	101	15	96	13	923	4988	1462	3526	29.31%
DDH0710	DDH 001626	92.575	93.52	1449	725	155	546	104	10	95	19	125	27	84	13	80	11	781	4223	1234	2989	29.22%
DDH0710	DDH 001627	93.52	94.485	1326	678	144	506	94	9	85	16	114	24	76	11	73	10	719	3886	1129	2757	29.05%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0710	DDH 001629	94.485	95.465	1474	752	164	562	105	11	92	17	116	25	79	12	74	10	793	4286	1219	3067	28.43%
DDH0710	DDH 001630	95.465	96.39	551	282	61	202	37	4	30	6	36	7	22	3	23	3	287	1553	417	1136	26.84%
DDH0710	DDH 001631	96.39	97.37	801	399	86	305	57	6	48	9	59	12	38	6	36	5	424	2292	638	1654	27.82%
DDH0710	DDH 001632	97.37	98.32	1072	549	119	403	75	7	67	13	88	19	58	9	57	8	578	3123	896	2227	28.70%
DDH0710	DDH 001633	98.32	99.29	1523	754	162	583	105	11	97	19	126	27	82	13	80	11	815	4407	1270	3137	28.81%
DDH0710	DDH 001634	99.29	100.26	2382	1169	254	886	166	16	148	28	207	42	132	20	125	17	1269	6861	1988	4874	28.97%
DDH0710	DDH 001635	100.26	101.235	1596	809	173	626	114	12	104	20	131	28	88	13	84	11	865	4675	1344	3330	28.76%
DDH0710	DDH 001636	101.235	102.205	1658	819	173	649	118	12	108	21	146	32	100	15	93	13	898	4855	1427	3429	29.38%
DDH0710	DDH 001637	102.205	103.2	1011	516	109	378	72	7	67	13	88	19	58	9	59	8	548	2963	869	2093	29.35%
DDH0710	DDH 001638	103.2	104.155	756	385	83	275	51	5	46	8	59	13	39	6	38	5	402	2172	616	1556	28.38%
DDH0710	DDH 001640	104.155	105.075	1474	734	162	547	104	11	99	19	131	29	87	13	84	12	796	4300	1269	3031	29.52%
DDH0710	DDH 001641	105.075	106.005	362	182	41	136	24	2	18	3	21	4	13	2	14	2	187	1013	265	748	26.17%
DDH0710	DDH 001642	106.005	106.965	182	93	20	65	10	1	7	1	7	2	5	1	6	1	91	490	120	371	24.42%
DDH0710	DDH 001643	106.965	107.92	274	141	30	96	15	1	12	2	11	3	8	1	9	1	137	741	184	557	24.88%
DDH0710	DDH 001644	107.92	108.88	187	99	21	72	12	1	9	1	9	2	5	1	6	1	97	522	129	393	24.77%
DDH0710	DDH 001645	108.88	109.85	438	222	48	163	30	3	25	5	32	7	21	3	21	3	231	1251	347	904	27.72%
DDH0710	DDH 001646	109.85	110.835	604	318	66	227	41	4	37	7	46	10	31	5	30	4	325	1755	494	1260	28.18%
DDH0710	DDH 001647	110.835	111.8	554	298	61	202	33	3	25	4	24	5	13	2	15	2	282	1523	372	1150	24.45%
DDH0710	DDH 001648	111.8	112.76	750	386	80	279	52	5	42	7	46	10	29	5	31	5	392	2118	566	1552	26.72%
DDH0710	DDH 001649	112.76	113.74	672	341	76	240	43	4	37	7	46	9	28	4	27	4	350	1890	513	1377	27.12%
DDH0710	DDH 001651	113.74	114.715	319	165	35	111	19	2	14	2	14	3	7	1	8	1	159	859	209	650	24.31%
DDH0710	DDH 001652	114.715	115.685	249	126	28	90	14	1	9	1	7	1	4	1	5	1	122	659	151	508	22.93%
DDH0710	DDH 001653	115.685	116.645	262	123	29	95	14	1	9	1	9	2	4	1	6	1	126	682	158	524	23.21%
DDH0710	DDH 001654	116.645	117.56	352	164	42	145	24	2	16	3	16	3	9	1	9	1	179	966	237	729	24.53%
DDH0710	DDH 001655	117.56	118.535	306	156	35	120	19	2	14	2	13	2	7	1	7	1	155	840	203	637	24.12%
DDH0710	DDH 001656	118.535	119.51	305	160	35	113	20	2	16	3	16	3	10	2	11	2	158	854	220	633	25.83%
DDH0710	DDH 001657	119.51	120.465	360	181	41	134	22	2	16	3	17	3	10	2	11	2	183	987	247	739	25.06%
DDH0710	DDH 001658	120.465	121.45	815	420	89	305	56	5	51	10	66	14	44	7	43	6	438	2370	679	1691	28.65%
DDH0710	DDH 001659	121.45	122.4	572	292	64	212	37	3	30	5	35	7	22	3	22	3	297	1606	425	1181	26.46%
DDH0710	DDH 001660	122.4	123.355	467	235	51	178	28	3	23	4	22	5	13	2	15	2	238	1286	324	962	25.19%
DDH0710	DDH 001662	123.355	124.325	1109	571	121	419	74	7	65	12	82	17	51	8	49	7	588	3178	878	2300	27.63%
DDH0710	DDH 001663	124.325	125.285	877	470	98	318	54	5	48	10	73	16	49	7	44	6	472	2550	727	1823	28.51%
DDH0710	DDH 001664	125.285	126.22	964	515	105	343	65	6	58	11	73	16	49	8	47	6	514	2780	781	1998	28.11%
DDH0710	DDH 001665	126.22	127.215	705	359	78	247	45	4	37	7	51	11	32	5	32	4	367	1986	547	1439	27.53%
DDH0710	DDH 001666	127.215	128.15	1013	516	112	379	67	6	62	12	76	16	50	8	47	6	538	2909	815	2094	28.03%
DDH0710	DDH 001667	128.15	129.07	517	270	58	189	33	3	25	5	33	7	23	3	23	3	271	1463	394	1069	26.92%
DDH0710	DDH 001668	129.07	130.035	388	199	41	143	24	2	18	4	24	5	16	3	18	3	202	1090	292	798	26.78%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0710	DDH 001669	130.035	130.955	721	380	79	262	43	4	35	6	37	8	22	3	22	3	369	1994	504	1490	25.29%
DDH0710	DDH 001670	130.955	131.885	1805	930	194	695	125	12	113	20	133	28	91	14	89	12	968	5231	1468	3762	28.07%
DDH0710	DDH 001671	131.885	132.81	844	420	95	309	56	6	51	8	55	11	34	5	38	5	440	2377	647	1730	27.22%
DDH0710	DDH 001673	132.81	133.805	793	387	87	288	53	5	42	6	32	6	18	3	23	4	396	2142	528	1613	24.67%
DDH0710	DDH 001674	133.805	134.805	2235	1196	242	805	155	15	143	27	179	40	120	18	115	16	1204	6510	1862	4648	28.61%
DDH0710	DDH 001675	134.805	135.75	495	264	57	183	32	3	28	5	31	7	21	3	22	3	262	1414	381	1034	26.92%
DDH0710	DDH 001676	135.75	136.685	847	443	96	318	60	6	53	10	63	14	42	6	40	6	455	2461	689	1772	28.00%
AVERAGE				**1408**	**719**	**153**	**527**	**99**	**10**	**91**	**17**	**118**	**25**	**79**	**12**	**76**	**10**	**759**	**4104**	**1189**	**2916**	**28.38%**

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001692	1.255	2.225	1570	820	188	621	121	11	108	20	127	28	84	13	83	11	864	4670	1338	3332	28.66%
DDH0711	DDH 001693	2.225	3.2	1610	850	196	654	125	12	118	21	141	31	92	14	90	13	900	4867	1420	3447	29.18%
DDH0711	DDH 001695	3.2	4.19	1110	600	137	443	84	8	74	14	90	19	58	9	57	8	615	3325	944	2381	28.38%
DDH0711	DDH 001696	4.19	5.17	930	470	108	347	66	6	62	11	71	16	47	7	47	7	498	2694	766	1927	28.46%
DDH0711	DDH 001697	5.17	6.105	1040	550	121	399	79	6	67	13	83	18	50	8	51	7	565	3055	861	2195	28.17%
DDH0711	DDH 001698	6.105	7.04	1330	720	156	533	105	10	99	18	116	26	78	12	76	10	747	4036	1182	2854	29.29%
DDH0711	DDH 001699	7.04	7.945	1890	990	228	740	146	14	138	24	162	35	106	16	104	14	1046	5654	1646	4008	29.11%
DDH0711	DDH 001700	7.945	8.92	990	530	119	384	76	7	67	12	82	18	53	9	54	7	546	2953	847	2106	28.67%
DDH0711	DDH 001701	8.92	9.89	1090	570	129	424	83	7	69	13	85	18	54	8	55	7	593	3206	902	2304	28.13%
DDH0711	DDH 001702	9.89	10.87	1220	640	150	478	91	8	81	15	93	19	61	10	59	8	666	3598	1011	2587	28.11%
DDH0711	DDH 001703	10.87	11.835	1060	550	127	417	77	7	69	12	82	17	53	8	51	7	576	3115	876	2239	28.13%
DDH0711	DDH 001704	11.835	12.8	1190	620	140	463	90	8	78	14	91	19	57	9	57	7	646	3490	979	2511	28.05%
DDH0711	DDH 001706	12.8	13.775	1370	710	159	539	103	10	95	17	113	24	73	11	71	9	750	4052	1161	2891	28.65%
DDH0711	DDH 001707	13.775	14.745	1030	550	118	388	76	6	67	13	82	18	55	8	54	8	561	3035	866	2169	28.54%
DDH0711	DDH 001708	14.745	15.66	1930	1020	225	763	153	15	148	28	183	41	124	19	120	17	1086	5869	1764	4105	30.05%
DDH0711	DDH 001709	15.66	16.605	1110	580	137	440	86	8	76	14	93	20	61	9	57	8	612	3310	950	2359	28.71%
DDH0711	DDH 001710	16.605	17.56	1220	650	146	499	93	8	88	16	101	22	66	10	63	8	679	3668	1052	2616	28.67%
DDH0711	DDH 001711	17.56	18.49	1390	700	162	549	108	10	99	18	119	26	78	12	73	10	762	4117	1198	2919	29.10%
DDH0711	DDH 001712	18.49	19.46	1040	530	121	394	78	7	71	13	86	19	57	9	55	7	564	3051	882	2169	28.90%
DDH0711	DDH 001713	19.46	20.405	3000	1570	360	1201	245	22	238	44	297	66	200	31	192	27	1701	9194	2796	6398	30.42%
DDH0711	DDH 001714	20.405	21.345	4340	2320	516	1761	363	35	364	69	455	107	315	50	306	42	2507	13549	4214	9334	31.11%
DDH0711	DDH 001715	21.345	22.345	1010	530	115	388	75	7	69	12	86	19	55	9	55	8	553	2992	867	2125	28.97%
DDH0711	DDH 001717	22.345	23.335	1030	560	121	385	72	6	67	12	81	17	51	8	50	7	560	3027	853	2174	28.17%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001718	23.335	24.28	1150	600	135	445	86	8	81	15	96	21	64	10	60	8	631	3411	986	2424	28.92%
DDH0711	DDH 001719	24.28	25.27	1370	720	161	546	105	10	99	18	119	26	78	12	77	10	761	4113	1201	2911	29.21%
DDH0711	DDH 001720	25.27	26.24	960	500	112	370	75	7	69	13	91	20	62	9	58	8	534	2888	865	2023	29.96%
DDH0711	DDH 001721	26.24	27.19	1450	780	163	550	106	10	101	19	125	28	85	13	82	11	800	4324	1264	3060	29.23%
DDH0711	DDH 001722	27.19	28.165	920	490	105	339	61	6	58	11	68	15	43	7	44	6	493	2667	745	1921	27.95%
DDH0711	DDH 001723	28.165	29.125	1140	630	129	447	83	7	78	14	95	21	61	9	60	8	632	3414	978	2436	28.65%
DDH0711	DDH 001724	29.125	30.035	1570	810	179	617	117	11	111	20	138	30	91	14	88	12	864	4670	1367	3303	29.27%
DDH0711	DDH 001725	30.035	31.015	2800	1470	333	1152	226	21	217	41	271	61	184	28	177	24	1590	8594	2592	6002	30.16%
DDH0711	DDH 001726	31.015	32.005	2180	1160	242	852	169	16	157	31	201	45	135	21	130	18	1216	6573	1954	4619	29.73%
DDH0711	DDH 001728	32.005	32.99	2120	1100	238	824	160	15	157	29	199	43	130	20	126	17	1176	6355	1898	4457	29.86%
DDH0711	DDH 001729	32.99	33.95	1020	550	128	419	82	6	69	13	82	18	54	8	54	7	570	3080	874	2205	28.39%
DDH0711	DDH 001730	33.95	34.952	1140	630	140	463	87	8	83	15	99	21	63	10	63	9	643	3473	1005	2468	28.94%
DDH0711	DDH 001731	34.952	35.86	1160	640	138	457	90	8	81	15	96	21	63	10	62	8	647	3496	1003	2493	28.68%
DDH0711	DDH 001732	35.86	36.815	1770	950	222	731	144	13	134	26	171	38	114	18	109	15	1011	5467	1637	3831	29.94%
DDH0711	DDH 001733	36.815	37.775	1250	650	150	484	97	9	85	16	105	23	69	11	68	10	687	3714	1075	2639	28.94%
DDH0711	DDH 001734	37.775	38.715	1040	520	108	366	71	7	62	11	73	16	48	7	49	7	541	2927	815	2112	27.84%
DDH0711	DDH 001735	38.715	39.655	1190	650	134	441	84	8	78	15	95	20	61	10	62	8	648	3504	997	2507	28.46%
DDH0711	DDH 001736	39.655	40.635	1130	580	124	408	81	7	74	14	92	20	61	10	63	9	606	3278	948	2330	28.92%
DDH0711	DDH 001737	40.635	41.605	1480	770	192	602	122	11	113	21	139	31	94	15	90	13	838	4530	1353	3177	29.87%
DDH0711	DDH 001739	41.605	42.59	1170	630	138	458	88	8	81	16	100	22	63	10	66	9	649	3507	1016	2491	28.97%
DDH0711	DDH 001740	42.59	43.52	1360	720	170	556	115	11	106	19	127	28	85	13	84	11	773	4179	1247	2932	29.85%
DDH0711	DDH 001741	43.52	44.495	890	440	102	337	62	6	58	10	66	15	43	7	43	6	473	2558	722	1836	28.21%
DDH0711	DDH 001742	44.495	45.4555	2190	1190	274	890	175	17	168	32	212	47	144	22	137	19	1252	6768	2033	4736	30.03%
DDH0711	DDH 001743	45.4555	46.45	910	450	110	372	69	6	65	12	76	17	49	8	50	7	499	2699	782	1917	28.96%
DDH0711	DDH 001744	46.45	47.415	1390	730	164	553	110	9	97	18	119	27	81	13	82	11	773	4177	1221	2956	29.23%
DDH0711	DDH 001745	47.415	48.335	720	340	75	254	49	4	44	8	50	11	32	5	33	5	370	1999	557	1442	27.86%
DDH0711	DDH 001746	48.335	49.29	1130	580	130	437	87	7	76	14	92	20	61	10	57	8	615	3325	953	2372	28.65%
DDH0711	DDH 001747	49.29	50.26	1110	580	118	388	76	7	69	13	84	18	55	8	55	7	587	3175	896	2279	28.23%
DDH0711	DDH 001748	50.26	51.22	1910	990	214	707	140	13	134	25	164	37	108	17	107	15	1040	5619	1645	3974	29.28%
DDH0711	DDH 001750	51.22	52.205	1750	940	204	661	127	12	120	22	147	32	99	15	93	13	962	5198	1503	3695	28.92%
DDH0711	DDH 001751	52.205	53.175	1090	590	128	416	78	7	69	13	83	18	53	8	52	7	593	3205	896	2309	27.95%
DDH0711	DDH 001752	53.175	54.125	2160	1120	239	798	159	16	148	28	183	41	124	19	120	17	1173	6342	1851	4491	29.19%
DDH0711	DDH 001753	54.125	55.11	1640	840	175	602	117	10	104	20	129	28	85	13	83	12	876	4733	1349	3384	28.50%
DDH0711	DDH 001754	55.11	56.1	1860	880	213	707	129	12	113	19	116	25	72	11	65	9	960	5188	1388	3800	26.76%
DDH0711	DDH 001755	56.1	57.055	820	420	99	336	59	7	48	8	46	9	22	3	21	3	431	2331	591	1740	25.34%
DDH0711	DDH 001756	57.055	57.995	790	410	89	305	53	7	46	7	40	8	23	3	19	3	410	2215	559	1655	25.26%
DDH0711	DDH 001757	57.995	58.975	900	430	103	353	62	8	48	8	48	9	23	4	22	3	459	2479	623	1856	25.13%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001758	58.975	59.94	1330	610	170	597	109	11	83	12	68	12	30	4	24	3	695	3759	932	2827	24.79%
DDH0711	DDH 001759	59.94	60.9	1110	550	130	459	81	9	67	10	59	11	31	4	25	3	579	3131	790	2340	25.25%
DDH0711	DDH 001761	60.9	61.875	990	470	110	356	64	7	53	8	50	10	28	4	28	4	495	2678	681	1997	25.43%
DDH0711	DDH01762	61.875	62.845	990	490	115	387	72	8	55	9	53	11	28	4	27	3	511	2765	703	2062	25.42%
DDH0711	DDH01763	62.845	63.755	1020	490	117	392	71	8	58	9	53	11	27	4	26	3	520	2809	711	2098	25.32%
DDH0711	DDH01764	63.755	64.745	1170	570	140	486	84	10	69	11	63	13	34	5	28	4	610	3297	837	2460	25.38%
DDH0711	DDH01765	64.745	65.745	860	440	98	325	59	7	48	8	46	9	25	4	24	3	444	2399	610	1789	25.42%
DDH0711	DDH01766	65.745	66.7	1120	520	126	433	78	9	62	10	60	11	31	4	27	4	567	3062	777	2285	25.38%
DDH0711	DDH01767	66.7	67.69	1070	520	123	427	74	8	62	10	57	11	33	5	30	4	553	2987	764	2222	25.59%
DDH0711	DDH01768	67.69	68.68	910	440	109	373	67	8	53	8	51	10	27	4	25	3	474	2561	654	1907	25.55%
DDH0711	DDH01769	68.68	69.6	1150	540	138	457	85	10	67	11	65	12	33	5	28	4	591	3196	816	2380	25.53%
DDH0711	DDH01770	69.6	70.585	1030	490	114	388	75	8	60	10	57	12	34	5	31	4	526	2843	738	2105	25.96%
DDH0711	DDH 001772	70.585	71.555	900	430	107	372	66	7	55	9	52	11	30	4	27	4	471	2546	663	1882	26.05%
DDH0711	DDH 001773	71.555	72.48	690	350	75	251	48	6	37	6	34	7	19	3	19	3	351	1899	479	1419	25.24%
DDH0711	DDH 001774	72.48	73.45	940	440	108	370	66	8	53	8	47	9	25	3	22	3	477	2578	646	1932	25.06%
DDH0711	DDH 001775	73.45	74.44	920	440	108	375	65	7	55	8	48	9	24	4	23	3	475	2566	649	1916	25.31%
DDH0711	DDH 001776	74.44	75.36	1400	670	165	554	105	11	90	16	94	19	55	8	54	7	737	3986	1081	2905	27.12%
DDH0711	DDH 001777	75.36	76.315	1280	600	159	560	104	11	88	13	81	16	43	6	34	5	681	3681	966	2714	26.25%
DDH0711	DDH 001778	76.315	77.275	1660	760	211	756	137	15	113	17	102	19	49	7	40	5	883	4774	1236	3538	25.89%
DDH0711	DDH 001779	77.275	78.24	1110	530	122	420	75	8	65	10	59	12	33	5	33	4	564	3050	785	2265	25.74%
DDH0711	DDH 001780	78.24	79.23	980	490	108	366	67	7	58	10	66	14	41	6	39	6	512	2770	752	2018	27.16%
DDH0711	DDH 001781	79.23	80.205	950	500	104	353	64	6	55	10	63	14	41	6	41	6	503	2717	739	1977	27.22%
DDH0711	DDH 001783	80.205	81.15	1050	470	130	448	81	8	65	9	59	11	30	4	25	3	543	2937	750	2187	25.53%
DDH0711	DDH 001784	81.15	82.08	1200	540	149	519	90	9	71	11	63	12	31	4	24	3	619	3344	838	2506	25.05%
DDH0711	DDH 001785	82.08	83	1380	640	167	573	104	11	83	13	73	14	38	5	31	4	711	3846	972	2874	25.28%
DDH0711	DDH 001786	83	83.97	1210	560	147	503	90	10	71	11	65	13	34	5	28	3	625	3376	856	2520	25.35%
DDH0711	DDH 001787	83.97	84.875	760	390	86	280	51	6	39	6	38	8	22	3	23	3	389	2105	532	1573	25.26%
DDH0711	DDH 001788	84.875	85.86	720	390	84	276	50	6	39	7	41	8	25	4	26	4	381	2062	536	1526	25.99%
DDH0711	DDH 001789	85.86	86.83	1270	630	145	457	79	9	65	11	69	14	43	7	44	6	647	3496	905	2590	25.90%
DDH0711	DDH 001790	86.83	87.765	870	450	104	344	63	8	51	8	49	10	27	4	26	3	458	2475	637	1839	25.73%
DDH0711	DDH 001791	87.765	88.75	860	430	100	330	58	8	46	7	44	9	23	3	24	3	441	2385	600	1786	25.13%
DDH0711	DDH 001792	88.75	89.72	670	340	76	260	48	6	37	6	34	7	19	3	17	2	346	1871	471	1400	25.16%
DDH0711	DDH 001794	89.72	90.675	950	450	110	364	62	8	53	8	51	10	27	4	25	3	483	2608	664	1944	25.47%
DDH0711	DDH 001795	90.675	91.635	1020	460	119	420	75	9	58	9	55	11	29	4	25	3	521	2817	715	2102	25.37%
DDH0711	DDH 001796	91.635	92.61	1300	630	162	555	99	11	76	11	67	13	30	4	25	3	678	3665	908	2757	24.78%
DDH0711	DDH 001797	92.61	93.555	760	370	92	314	57	7	44	7	44	8	24	3	22	3	398	2153	553	1600	25.69%
DDH0711	DDH 001798	93.555	94.51	820	390	90	303	54	7	44	7	42	8	23	3	22	3	412	2229	565	1664	25.34%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001799	94.51	95.5	840	430	99	339	60	8	51	8	49	10	26	4	26	4	443	2396	620	1776	25.88%
DDH0711	DDH 001800	95.5	96.45	1130	510	130	452	82	9	62	9	57	11	27	4	26	3	571	3085	772	2314	25.01%
DDH0711	DDH 001801	96.45	97.4	980	440	109	388	72	8	55	8	53	11	27	4	23	3	495	2677	679	1997	25.38%
DDH0711	DDH 001802	97.4	98.365	800	370	85	296	50	7	42	7	38	7	19	3	18	3	396	2141	533	1608	24.88%
DDH0711	DDH 001803	98.365	99.245	790	390	90	303	53	7	44	7	42	8	25	4	25	3	407	2199	565	1634	25.70%
DDH0711	DDH 001805	99.245	100.24	1510	700	165	566	102	11	83	13	78	15	39	5	32	4	755	4079	1025	3054	25.12%
DDH0711	DDH 001806	100.24	101.185	1050	500	117	406	76	8	58	9	54	11	27	4	22	3	532	2876	719	2157	25.00%
DDH0711	DDH 001807	101.185	102.14	1010	490	124	420	75	9	62	10	53	11	27	4	22	3	526	2846	717	2128	25.21%
DDH0711	DDH 001808	102.14	103.125	1120	530	137	477	89	9	74	12	68	14	37	5	32	4	592	3199	838	2361	26.19%
DDH0711	DDH 001809	103.125	104.075	850	400	103	357	61	7	51	8	45	9	22	3	18	3	440	2376	598	1778	25.18%
DDH0711	DDH 001810	104.075	105.03	830	370	99	347	61	7	51	8	47	9	23	3	22	3	427	2307	592	1715	25.66%
DDH0711	DDH 001811	105.03	106.01	990	430	117	420	79	8	62	9	55	10	26	3	22	3	507	2741	698	2044	25.45%
DDH0711	DDH 001812	106.01	106.985	840	380	98	340	63	7	48	7	42	8	20	3	18	2	426	2304	576	1728	24.99%
DDH0711	DDH 001813	106.985	107.94	940	400	109	398	74	7	55	8	49	9	24	3	19	3	476	2575	648	1928	25.16%
DDH0711	DDH 001814	107.94	108.87	1050	500	119	424	72	9	62	9	55	11	27	4	24	3	538	2908	733	2175	25.22%
DDH0711	DDH 001816	108.87	109.85	1090	470	129	441	79	9	62	9	56	11	29	4	24	3	549	2965	747	2218	25.20%
DDH0711	DDH 001817	109.85	110.785	1140	530	137	472	88	10	74	13	79	16	47	7	41	5	603	3261	885	2376	27.14%
DDH0711	DDH 001818	110.785	111.705	720	330	82	290	57	7	48	8	48	10	27	4	24	3	377	2036	549	1487	26.98%
DDH0711	DDH 001819	111.705	112.685	350	160	39	138	24	5	21	3	18	3	9	1	9	1	177	958	242	716	25.29%
DDH0711	DDH 001820	112.685	113.665	810	350	99	354	67	7	55	8	48	9	23	3	19	3	421	2277	590	1687	25.92%
DDH0711	DDH 001821	113.665	114.57	1170	530	150	533	96	10	81	12	73	14	37	5	31	4	623	3369	881	2489	26.14%
DDH0711	DDH 001822	114.57	115.55	970	400	118	407	74	7	62	10	59	11	33	4	28	4	497	2686	709	1976	26.41%
DDH0711	DDH 001823	115.55	116.53	930	380	117	429	84	8	67	10	60	11	31	4	27	4	491	2655	707	1948	26.63%
DDH0711	DDH 001824	116.53	117.49	1430	630	173	645	122	12	97	15	84	16	39	5	30	4	749	4051	1040	3011	25.67%
DDH0711	DDH 001825	117.49	118.475	1130	520	134	477	89	9	67	11	63	12	30	4	25	3	584	3158	799	2359	25.30%
DDH0711	DDH 001827	118.475	119.47	800	380	90	300	53	6	44	7	39	8	22	3	19	3	403	2176	547	1630	25.12%
DDH0711	DDH 001828	119.47	120.44	850	370	97	331	61	7	48	8	46	9	24	3	19	3	426	2303	587	1717	25.47%
DDH0711	DDH 001829	120.44	121.44	760	340	95	326	60	6	48	8	47	9	25	3	24	3	398	2154	565	1588	26.25%
DDH0711	DDH 001830	121.44	122.43	730	350	86	300	57	6	46	7	45	9	26	4	26	4	385	2081	553	1528	26.58%
DDH0711	DDH 001831	122.43	123.395	820	390	98	340	61	7	48	8	48	9	25	3	25	3	428	2315	599	1717	25.86%
DDH0711	DDH 001832	123.395	124.385	1220	560	155	531	99	10	88	14	87	17	46	7	42	6	654	3536	962	2574	27.20%
DDH0711	DDH 001833	124.385	125.355	640	270	85	311	58	5	48	7	44	9	25	4	24	3	348	1882	513	1369	27.25%
DDH0711	DDH 001834	125.355	126.31	550	250	62	217	39	4	32	5	32	7	18	3	18	3	281	1520	398	1122	26.18%
DDH0711	DDH 001835	126.31	127.22	690	280	97	351	68	5	55	8	47	9	21	3	21	3	376	2035	544	1491	26.72%
DDH0711	DDH 001836	127.22	128.19	1450	610	191	698	139	13	111	16	95	18	45	6	33	4	778	4208	1107	3101	26.31%
DDH0711	DDH 001838	128.19	129.13	1210	520	155	556	100	10	83	13	74	14	34	5	24	3	636	3436	884	2551	25.74%
DDH0711	DDH 001839	129.13	130.12	950	410	116	415	75	8	60	9	53	10	25	3	21	3	490	2648	674	1975	25.44%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001840	130.12	131.12	560	270	65	219	40	6	32	5	29	6	15	2	14	2	287	1552	392	1160	25.25%
DDH0711	DDH 001841	131.12	132.06	470	220	51	174	33	5	25	4	23	5	12	2	11	2	235	1272	319	953	25.08%
DDH0711	DDH 001842	132.06	133.045	500	220	53	181	32	5	25	4	24	5	13	2	11	2	244	1321	330	991	24.99%
DDH0711	DDH 001843	133.045	134.035	480	210	54	184	36	6	28	4	26	5	13	2	13	2	241	1302	333	970	25.56%
DDH0711	DDH 001844	134.035	135	1150	590	133	451	78	10	65	10	56	11	27	4	26	3	593	3208	796	2412	24.81%
DDH0711	DDH 001845	135	135.98	480	210	53	189	36	6	28	4	25	5	14	2	13	2	242	1306	333	973	25.51%
DDH0711	DDH 001846	135.98	136.98	490	250	56	203	37	6	28	4	28	6	14	2	14	2	258	1396	355	1041	25.45%
DDH0711	DDH 001847	136.98	137.98	510	250	56	192	38	6	30	4	28	6	15	2	14	2	262	1415	362	1052	25.62%
DDH0711	DDH 001849	137.98	138.88	730	370	85	300	52	7	44	6	36	7	18	3	17	2	381	2059	515	1544	25.00%
DDH0711	DDH 001850	138.88	139.855	680	290	74	259	48	7	37	6	34	7	19	3	17	3	337	1819	461	1358	25.36%
DDH0711	DDH 001851	139.855	140.815	680	300	72	250	46	7	37	6	38	7	19	3	18	3	337	1823	468	1355	25.68%
DDH0711	DDH 001852	140.815	141.775	590	280	67	236	45	6	37	6	32	7	18	2	16	2	305	1650	425	1224	25.78%
DDH0711	DDH 001853	141.775	142.765	590	270	63	218	41	6	32	5	31	6	16	2	16	2	295	1595	406	1188	25.47%
DDH0711	DDH 001854	142.765	143.735	600	280	67	232	42	6	35	6	32	6	17	2	17	2	305	1650	422	1228	25.56%
DDH0711	DDH 001855	143.735	144.69	680	310	76	261	46	6	39	6	37	7	18	3	18	3	343	1854	474	1379	25.59%
DDH0711	DDH 001856	144.69	145.68	570	280	64	215	42	6	35	5	30	6	15	2	15	2	292	1580	403	1177	25.52%
DDH0711	DDH 001857	145.68	146.56	660	320	76	260	46	6	39	6	38	8	21	3	21	3	342	1849	480	1369	25.98%
DDH0711	DDH 001858	146.56	147.53	500	230	57	202	38	6	30	5	28	5	14	2	11	2	256	1386	353	1033	25.46%
DDH0711	DDH 001860	147.53	148.52	960	440	118	412	74	9	58	9	54	11	28	4	26	3	501	2706	694	2012	25.64%
DDH0711	DDH 001861	148.52	149.48	700	340	80	279	46	6	37	6	35	7	17	2	16	2	357	1929	478	1451	24.79%
DDH0711	DDH 001862	149.48	150.41	680	310	83	283	52	7	44	7	40	8	24	3	24	3	356	1925	510	1415	26.49%
DDH0711	DDH 001863	150.41	151.38	1520	660	191	646	116	12	95	14	84	17	42	5	34	5	781	4220	1076	3144	25.49%
DDH0711	DDH 001864	151.38	152.335	1280	570	158	521	94	10	78	12	69	13	35	5	27	3	653	3530	896	2634	25.39%
DDH0711	DDH 001865	152.335	153.295	1040	500	127	451	78	9	62	11	63	12	30	5	27	4	549	2968	762	2206	25.67%
DDH0711	DDH 001866	153.295	154.275	1050	470	118	422	75	9	62	9	56	11	28	4	24	3	532	2874	730	2144	25.40%
DDH0711	DDH 001867	154.275	155.245	1460	670	185	610	112	12	92	15	85	17	45	6	36	5	761	4111	1062	3049	25.84%
DDH0711	DDH 001868	155.245	156.215	1700	770	204	711	129	13	108	17	100	21	54	8	47	6	882	4769	1243	3527	26.05%
DDH0711	DDH 001869	156.215	157.215	1190	550	134	476	88	9	74	12	72	15	43	6	39	5	616	3329	882	2447	26.50%
DDH0711	DDH 001871	157.215	158.165	1030	470	112	387	69	8	53	9	52	11	29	4	28	4	514	2779	704	2076	25.32%
DDH0711	DDH 001872	158.165	159.11	2420	1040	294	1020	195	20	157	25	147	28	70	10	55	7	1245	6732	1744	4988	25.90%
DDH0711	DDH 001873	159.11	160.085	1080	530	130	435	78	9	62	10	62	11	31	5	27	3	562	3036	775	2262	25.51%
DDH0711	DDH 001874	160.085	161.02	1800	1010	196	668	138	11	141	28	187	42	133	21	130	18	1026	5548	1724	3823	31.09%
DDH0711	DDH 001875	161.02	161.92	1640	840	176	630	114	11	108	20	122	27	79	12	75	11	877	4741	1331	3411	28.06%
DDH0711	DDH 001876	161.92	162.88	690	360	81	271	50	7	37	6	36	7	19	3	17	2	360	1945	487	1458	25.02%
DDH0711	DDH 001877	162.88	163.85	600	300	65	226	39	6	30	5	28	6	15	2	14	2	304	1642	406	1236	24.73%
DDH0711	DDH 001878	163.85	164.805	1240	620	149	479	83	11	67	11	63	12	31	4	26	3	635	3433	851	2581	24.80%
DDH0711	DDH 001879	164.805	165.78	1070	500	118	412	72	9	58	9	53	11	29	5	27	3	539	2915	734	2181	25.18%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001880	165.78	166.77	960	430	118	405	71	7	51	8	44	8	21	3	18	3	487	2634	643	1991	24.42%
DDH0711	DDH 001882	166.77	167.695	790	400	93	317	53	7	46	7	38	7	21	3	19	2	410	2214	554	1660	25.02%
DDH0711	DDH 001883	167.695	168.645	690	350	76	257	46	7	37	6	32	6	17	2	14	2	350	1892	466	1426	24.63%
DDH0711	DDH 001884	168.645	169.605	620	290	67	229	42	7	32	5	30	6	15	3	16	2	310	1674	419	1255	25.03%
DDH0711	DDH 001885	169.605	170.485	770	380	86	287	50	7	42	7	41	8	23	3	23	3	393	2123	543	1580	25.58%
DDH0711	DDH 001886	170.485	171.43	490	230	51	176	32	6	25	4	23	4	11	2	11	2	242	1311	325	986	24.79%
DDH0711	DDH 001887	171.43	172.4	520	230	59	206	37	6	28	4	25	5	13	2	11	2	261	1409	351	1059	24.88%
DDH0711	DDH 001888	172.4	173.34	510	270	58	202	34	6	28	4	26	5	13	2	11	2	266	1436	357	1079	24.84%
DDH0711	DDH 001889	173.34	174.3	910	470	105	346	59	7	46	7	44	8	23	3	23	3	466	2521	623	1898	24.72%
DDH0711	DDH 001890	174.3	175.24	590	290	64	209	37	5	30	4	27	5	16	2	15	2	294	1591	396	1195	24.90%
DDH0711	DDH 001891	175.24	176.19	680	340	73	239	42	7	32	5	34	7	19	3	21	3	342	1847	467	1381	25.26%
DDH0711	DDH 001893	176.19	177.08	990	500	111	366	63	7	48	7	47	9	24	3	23	3	500	2702	665	2037	24.60%
DDH0711	DDH 001894	177.08	178.03	870	430	98	311	51	7	44	7	41	8	22	3	22	3	435	2352	585	1767	24.88%
DDH0711	DDH 001895	178.03	179.005	1410	710	158	532	94	11	74	11	71	14	38	5	33	5	718	3883	968	2915	24.93%
DDH0711	DDH 001896	179.005	179.96	1210	580	144	469	84	10	67	11	62	12	34	4	27	3	617	3334	838	2497	25.12%
DDH0711	DDH 001897	179.96	180.91	1590	770	190	599	105	11	83	13	80	16	41	6	33	4	804	4345	1079	3266	24.84%
DDH0711	DDH 001898	180.91	181.895	960	440	99	340	61	7	51	8	45	9	24	3	21	3	470	2540	632	1908	24.89%
DDH0711	DDH 001899	181.895	182.87	1180	580	140	477	82	9	67	11	60	12	31	4	27	3	609	3295	826	2469	25.06%
DDH0711	DDH 001900	182.87	183.79	780	390	93	312	55	7	42	7	39	8	20	3	18	2	403	2179	542	1637	24.87%
DDH0711	DDH 001901	183.79	184.77	1290	590	151	534	95	11	69	11	61	11	29	4	21	2	653	3531	861	2671	24.37%
DDH0711	DDH 001902	184.77	185.77	1120	540	127	436	82	9	67	12	71	15	44	7	42	6	585	3163	849	2314	26.84%
DDH0711	DDH 001904	185.77	186.725	1310	630	170	575	107	11	88	14	80	16	41	6	35	5	701	3789	985	2804	26.00%
DDH0711	DDH 001905	186.725	187.715	2370	1220	274	1003	187	17	161	28	181	39	110	17	104	15	1300	7025	1954	5071	27.82%
DDH0711	DDH 001906	187.715	188.705	2410	1200	280	999	191	18	175	30	200	43	125	19	116	16	1321	7143	2045	5098	28.62%
DDH0711	DDH 001907	188.705	189.605	1230	630	146	496	96	9	92	16	105	22	67	10	65	9	679	3673	1066	2606	29.03%
DDH0711	DDH 001908	189.605	190.585	820	390	92	316	52	5	39	6	34	6	16	2	14	2	407	2201	526	1675	23.90%
DDH0711	DDH 001909	190.585	191.55	780	410	87	303	52	6	39	6	37	7	19	3	18	3	402	2173	534	1639	24.58%
DDH0711	DDH 001910	191.55	192.51	760	370	89	296	54	7	44	7	41	8	23	3	22	3	392	2120	543	1577	25.60%
DDH0711	DDH 001911	192.51	193.505	690	340	76	255	46	6	37	5	33	6	17	2	17	2	348	1883	468	1415	24.86%
DDH0711	DDH 001912	193.505	194.44	600	280	66	224	39	5	30	5	31	6	16	2	15	2	300	1621	407	1214	25.10%
DDH0711	DDH 001913	194.44	195.415	700	330	73	252	45	6	35	6	32	6	17	2	16	2	345	1867	461	1406	24.71%
DDH0711	DDH 001915	195.415	196.375	840	420	92	310	57	7	46	7	45	9	26	4	25	3	430	2322	596	1727	25.65%
DDH0711	DDH 001916	196.375	197.35	750	380	86	289	52	7	42	7	41	8	24	3	23	3	389	2103	540	1563	25.67%
DDH0711	DDH 001917	197.35	198.26	1070	530	126	429	76	9	62	10	57	11	31	5	28	4	556	3004	764	2240	25.44%
DDH0711	DDH 001918	198.26	199.18	1040	490	117	409	72	9	58	9	52	11	27	4	24	3	528	2852	715	2137	25.07%
DDH0711	DDH 001919	199.18	200.16	1030	490	116	408	72	9	55	9	53	11	28	4	26	3	525	2840	715	2124	25.18%
DDH0711	DDH 001920	200.16	201.13	1120	540	130	451	82	9	62	10	60	12	32	5	27	4	578	3122	789	2333	25.28%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001921	201.13	202.1	910	420	103	346	61	7	51	8	48	10	26	4	24	3	459	2479	632	1847	25.49%
DDH0711	DDH 001922	202.1	203.09	1090	510	118	420	72	9	62	10	57	12	31	5	30	4	552	2983	763	2220	25.58%
DDH0711	DDH 001923	203.09	204	860	430	98	332	62	7	51	8	50	11	27	4	27	4	448	2419	630	1790	26.03%
DDH0711	DDH 001924	204	204.97	980	460	121	416	75	9	65	10	63	13	37	5	33	4	520	2811	750	2061	26.68%
DDH0711	DDH 001926	204.97	205.935	1310	630	163	557	105	11	92	16	95	19	55	8	52	7	709	3830	1054	2776	27.51%
DDH0711	DDH 001927	205.935	206.905	1970	980	226	800	158	14	145	26	169	36	106	16	98	14	1080	5838	1691	4148	28.96%
DDH0711	DDH 001928	206.905	207.805	900	400	114	382	68	8	53	9	50	10	26	4	25	3	466	2517	645	1872	25.61%
DDH0711	DDH 001929	207.805	208.795	1020	490	116	399	71	8	60	9	55	11	30	5	27	4	523	2828	724	2104	25.61%
DDH0711	DDH 001930	208.795	209.75	870	410	104	344	61	7	51	8	49	10	25	4	26	3	447	2418	622	1796	25.74%
DDH0711	DDH 001931	209.75	21065	850	400	96	331	59	7	48	8	46	9	26	4	26	3	434	2348	606	1743	25.79%
DDH0711	DDH 001932	21065	211.62	950	470	109	366	65	7	51	8	48	10	27	4	25	3	487	2630	662	1968	25.16%
DDH0711	DDH 001933	211.62	212.575	1030	550	110	346	61	7	51	8	50	10	27	4	25	3	518	2800	696	2104	24.86%
DDH0711	DDH 001934	212.575	213.51	910	440	108	352	62	8	53	8	50	10	29	4	27	3	469	2534	654	1880	25.81%
DDH0711	DDH 001935	213.51	214.475	850	440	97	321	59	7	46	7	44	8	23	3	22	3	438	2368	595	1773	25.12%
DDH0711	DDH 001937	214.475	215.455	1090	490	121	402	72	8	62	9	56	11	30	4	26	3	541	2926	744	2183	25.41%
DDH0711	DDH 001938	215.455	216.395	1740	810	220	770	145	14	113	17	102	19	47	6	35	4	917	4959	1261	3698	25.43%
DDH0711	DDH 001939	216.395	217.37	1440	630	175	613	116	11	95	14	86	16	41	6	33	4	745	4025	1039	2985	25.82%
DDH0711	DDH 001940	217.37	218.305	1270	610	153	525	100	9	85	15	91	20	56	8	51	7	681	3683	1015	2668	27.57%
DDH0711	DDH 001941	218.305	219.275	2380	1300	257	886	180	16	178	35	241	54	172	26	166	23	1342	7257	2238	5019	30.84%
DDH0711	DDH 001942	219.275	220.25	780	380	89	295	53	5	51	10	64	15	43	7	44	6	418	2258	657	1601	29.10%
DDH0711	DDH 001943	220.25	221.23	860	440	95	318	62	6	60	11	77	17	52	8	55	8	470	2539	758	1781	29.85%
DDH0711	DDH 001944	221.23	222.165	1720	930	186	624	118	11	122	24	164	37	118	18	116	16	954	5159	1569	3589	30.42%
DDH0711	DDH 001945	222.165	223.145	1360	730	144	477	96	9	92	19	124	28	90	13	90	12	745	4029	1214	2815	30.14%
DDH0711	DDH 001946	223.145	224.09	960	540	105	339	71	7	67	12	85	19	61	10	63	9	533	2882	860	2022	29.82%
DDH0711	DDH 001948	224.09	225.045	430	230	48	159	30	3	28	5	35	8	25	4	26	4	235	1268	369	899	29.08%
DDH0711	DDH 001949	225.045	226.035	1150	640	133	449	89	8	90	17	118	26	80	13	81	11	660	3566	1096	2469	30.75%
DDH0711	DDH 001950	226.035	227.02	1490	810	167	545	111	10	111	21	147	34	105	16	104	15	837	4522	1389	3133	30.72%
DDH0711	DDH 001951	227.02	227.995	950	520	104	339	68	6	67	12	90	20	61	10	62	9	526	2844	856	1987	30.11%
DDH0711	DDH 001952	227.995	228.97	610	300	68	212	39	3	35	7	44	9	27	4	31	4	316	1710	477	1232	27.92%
DDH0711	DDH 001953	228.97	229.69	1180	660	130	428	87	7	88	16	115	26	82	13	81	11	664	3588	1095	2493	30.52%
DDH0711	DDH 001954	229.69	230.935	540	300	60	194	36	3	32	6	41	10	29	5	32	5	294	1587	454	1133	28.61%
DDH0711	DDH 001955	230.935	231.885	480	250	50	159	31	3	28	5	34	8	25	4	26	4	251	1357	384	973	28.33%
DDH0711	DDH 001956	231.885	232.845	730	360	81	269	53	5	48	9	60	13	41	7	41	6	391	2115	616	1498	29.14%
DDH0711	DDH 001957	232.845	233.825	890	440	96	315	62	5	62	12	81	18	55	9	59	8	480	2592	784	1808	30.24%
DDH0711	DDH 001959	233.825	234.795	3170	1730	348	1201	241	23	249	49	331	75	238	38	237	33	1808	9770	3057	6713	31.29%
DDH0711	DDH 001960	234.795	235.785	4760	2630	554	1819	366	36	374	73	489	114	358	56	351	49	2731	14760	4595	10165	31.13%
DDH0711	DDH 001961	235.785	236.76	3010	1700	327	1152	234	22	233	45	308	71	220	35	216	30	1726	9329	2883	6446	30.91%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0711	DDH 001962	236.76	237.63	750	370	76	255	48	5	44	8	56	13	40	7	42	6	390	2110	606	1504	28.74%
DDH0711	DDH 001963	237.63	238.595	870	490	99	330	64	6	62	12	76	18	55	8	55	8	489	2643	783	1859	29.64%
DDH0711	DDH 001964	238.595	239.575	1390	750	158	527	105	10	106	20	137	31	94	15	92	13	783	4230	1290	2940	30.49%
DDH0711	DDH 001965	239.575	240.505	1110	610	123	417	85	7	81	15	106	24	74	12	74	10	624	3372	1019	2353	30.22%
DDH0711	DDH 001966	240.505	241.495	920	470	103	339	70	6	69	13	87	20	62	10	62	9	508	2748	839	1909	30.54%
DDH0711	DDH 001967	241.495	242.49	1390	760	164	543	105	10	106	21	141	32	98	16	99	14	795	4295	1322	2973	30.77%
DDH0711	DDH 001968	242.49	242.415	2380	1270	267	933	184	17	189	36	247	57	172	27	173	24	1356	7332	2281	5051	31.11%
DDH0711	DDH 001970	242.415	244.405	3280	1790	361	1224	249	23	254	49	346	78	240	38	244	34	1864	10074	3146	6928	31.23%
DDH0711	DDH 001971	244.405	245.39	1170	630	126	426	82	8	76	15	98	23	70	11	74	10	640	3458	1018	2441	29.43%
DDH0711	DDH 001972	245.39	246.305	940	490	100	326	64	6	65	12	85	20	61	10	62	9	510	2759	833	1926	30.21%
DDH0711	DDH 001973	246.305	247.295	490	270	52	171	33	3	30	6	43	10	29	5	32	5	268	1447	427	1020	29.50%
DDH0711	DDH 001974	247.295	248.275	250	110	24	80	14	1	14	2	17	3	11	2	13	2	123	667	187	480	27.99%
DDH0711	DDH 001975	248.275	249	490	250	52	176	35	3	32	7	43	10	31	5	33	5	266	1437	431	1007	29.97%
AVERAGE				**1128**	**563**	**131**	**445**	**84**	**9**	**73**	**13**	**80**	**17**	**49**	**7**	**47**	**6**	**602**	**3254**	**895**	**2359**	**26.90%**

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0712	DDH 001976	1.515	2.505	950	500	104	352	67	6	60	10	68	15	43	7	42	6	506	2736	757	1979	27.66%
DDH0712	DDH 001977	2.505	3.485	890	450	94	310	61	6	55	10	67	14	43	7	42	6	467	2523	711	1811	28.20%
DDH0712	DDH 001978	3.485	4.465	1380	730	155	515	103	10	95	18	118	26	78	12	75	10	754	4078	1186	2892	29.08%
DDH0712	DDH 001979	4.465	5.455	2070	1060	242	809	159	14	150	28	187	41	122	19	120	16	1143	6180	1826	4354	29.55%
DDH0712	DDH 001981	5.455	6.385	1220	630	149	463	93	9	85	16	104	22	70	11	67	9	669	3617	1054	2563	29.14%
DDH0712	DDH 001982	6.385	7.355	1010	520	112	375	72	6	65	12	73	16	49	8	47	6	538	2909	813	2096	27.96%
DDH0712	DDH 001983	7.355	8.335	1000	530	111	372	73	6	67	11	77	17	49	7	50	7	540	2916	824	2093	28.25%
DDH0712	DDH 001984	8.335	9.305	1190	630	137	440	83	8	78	14	91	20	57	9	55	8	640	3458	971	2487	28.09%
DDH0712	DDH 001985	9.305	10.27	1210	630	134	459	89	7	81	15	96	20	60	9	59	8	653	3532	1002	2530	28.36%
DDH0712	DDH 001986	10.27	11.175	1220	660	143	475	93	9	81	15	99	22	66	10	63	8	672	3634	1035	2599	28.49%
DDH0712	DDH 001987	11.175	12.08	1130	580	128	414	81	7	71	13	90	19	57	9	56	8	605	3268	928	2340	28.41%
DDH0712	DDH 001988	12.08	13.055	1500	770	172	561	112	10	104	19	126	28	84	13	81	11	815	4406	1281	3125	29.07%
DDH0712	DDH 001989	13.055	14	2630	1390	307	1083	210	20	196	36	242	52	160	25	154	21	1481	8008	2368	5640	29.58%
DDH0712	DDH 001990	14	14.925	1160	630	137	442	85	8	78	15	95	21	63	10	62	8	639	3451	990	2461	28.69%
DDH0712	DDH 001992	14.925	15.79	810	430	91	298	55	5	48	9	57	13	38	6	36	5	432	2334	644	1690	27.60%
DDH0712	DDH 001993	15.79	16.74	940	510	114	378	71	6	62	11	70	15	44	7	42	6	517	2793	774	2019	27.72%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0712	DDH 001994	16.74	17.63	1130	600	126	412	79	7	67	13	88	18	54	8	54	7	605	3268	914	2354	27.97%
DDH0712	DDH 001995	17.63	18.54	1090	540	118	400	76	6	67	12	77	17	49	8	50	7	571	3089	858	2231	27.78%
DDH0712	DDH 001996	18.54	19.505	750	390	86	283	58	5	51	9	60	13	38	6	38	5	407	2199	626	1573	28.48%
DDH0712	DDH 001997	19.505	20.46	1410	720	157	519	100	10	97	17	110	24	74	11	72	10	756	4087	1171	2916	28.66%
DDH0712	DDH 001998	20.46	21.43	1600	840	196	624	121	11	111	21	139	30	93	14	88	12	885	4783	1392	3391	29.11%
DDH0712	DDH 001999	21.43	22.38	1310	700	151	498	96	9	88	16	104	23	68	11	68	9	715	3865	1102	2763	28.51%
DDH0712	DDH 002000	22.38	23.325	1150	600	121	391	71	6	65	11	73	16	48	7	47	6	593	3204	866	2338	27.02%
DDH0712	DDH 002001	23.325	24.145	1220	670	145	444	78	7	69	12	77	17	49	8	49	7	647	3500	935	2564	26.73%
DDH0712	DDH 002003	24.145	25.09	1160	580	130	436	81	7	71	13	84	18	51	8	54	7	613	3315	920	2394	27.76%
DDH0712	DDH 002004	25.09	26.055	1430	760	176	570	110	11	104	19	125	27	81	13	79	11	798	4314	1257	3057	29.13%
DDH0712	DDH 002005	26.055	17	1660	870	193	632	122	12	113	21	138	30	89	14	87	12	906	4897	1408	3489	28.76%
DDH0712	DDH 002006	17	17.95	980	500	108	363	68	6	67	12	77	16	50	8	52	7	526	2841	816	2025	28.71%
DDH0712	DDH 002007	17.95	28.87	1010	520	103	349	68	6	62	11	75	16	49	8	47	7	529	2858	803	2056	28.09%
DDH0712	DDH 002008	28.87	29.8	1190	630	138	461	86	8	78	14	92	20	59	9	57	8	647	3497	985	2512	28.16%
DDH0712	DDH 002009	29.8	30.72	1120	570	114	385	72	6	65	11	72	15	45	7	43	6	575	3106	840	2266	27.03%
DDH0712	DDH 002010	30.72	31.72	1250	680	140	450	84	8	74	13	86	19	57	8	54	7	665	3594	982	2612	27.32%
DDH0712	DDH 002011	31.72	32.68	1270	640	144	486	93	8	83	15	96	20	60	9	58	8	679	3669	1028	2641	28.01%
DDH0712	DDH 002012	32.68	33.635	1450	770	163	559	105	10	104	18	117	25	77	12	76	10	794	4291	1233	3057	28.75%
DDH0712	DDH 002014	33.635	34.615	950	470	105	352	67	6	62	12	77	17	52	8	50	7	508	2744	793	1951	28.91%
DDH0712	DDH 002015	34.615	35.59	2180	1080	221	801	160	16	155	29	193	43	130	20	123	16	1173	6340	1882	4458	29.68%
DDH0712	DDH 002016	35.59	36.545	1210	590	130	469	89	8	78	15	98	22	63	10	62	8	647	3498	1002	2496	28.65%
DDH0712	DDH 002017	36.545	37.525	1410	710	145	527	100	10	95	17	115	25	74	11	69	9	753	4070	1168	2902	28.70%
DDH0712	DDH 002018	37.525	38.495	1350	700	141	490	93	9	90	17	109	24	72	11	67	9	722	3903	1120	2783	28.69%
DDH0712	DDH 002019	38.495	39.435	1160	620	123	433	86	8	78	15	99	22	67	10	63	8	634	3426	996	2430	29.08%
DDH0712	DDH 002020	39.435	40.42	3680	1910	397	1388	292	28	261	54	362	82	238	39	237	32	2043	11042	3347	7696	30.31%
DDH0712	DDH 002021	40.42	41.41	3920	2000	425	1388	297	29	288	54	380	84	259	40	246	34	2144	11587	3529	8058	30.45%
DDH0712	DDH 002022	41.41	41.345	1050	570	113	392	75	7	69	13	87	19	58	9	55	8	573	3098	891	2207	28.76%
DDH0712	DDH 002023	41.345	43.28	940	540	106	352	68	6	60	12	79	17	52	8	50	7	521	2819	805	2013	28.57%
DDH0712	DDH 002025	43.28	44.255	1030	560	117	387	75	7	71	13	90	19	61	10	57	8	569	3074	898	2176	29.22%
DDH0712	DDH 002026	44.255	45.205	1290	710	147	529	98	9	90	18	118	25	78	13	75	10	729	3940	1156	2784	29.33%
DDH0712	DDH 002027	45.205	46.185	1350	710	144	486	99	9	90	17	117	26	77	12	75	10	731	3954	1156	2798	29.23%
DDH0712	DDH 002028	46.185	47.155	1640	900	172	605	121	12	118	22	147	32	101	16	96	13	906	4900	1451	3449	29.61%
DDH0712	DDH 002029	47.155	48.085	1000	540	105	365	69	6	65	12	80	18	54	9	52	8	541	2925	839	2086	28.68%
DDH0712	DDH 002030	48.085	49.035	850	470	98	328	64	6	60	11	76	17	53	8	50	7	476	2573	757	1816	29.43%
DDH0712	DDH 002031	49.035	50.005	1370	750	149	498	101	10	97	18	123	26	84	13	79	11	755	4083	1205	2878	29.52%
DDH0712	DDH 002032	50.005	50.955	2560	1360	262	947	189	19	180	35	226	52	162	25	150	20	1405	7592	2256	5336	29.71%
DDH0712	DDH 002033	50.955	51.875	3080	1630	326	1112	221	21	214	39	241	56	180	27	165	22	1665	9001	2610	6391	29.00%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0712	DDH 002034	51.875	52.865	2480	1300	249	849	177	17	166	31	207	45	143	22	133	18	1325	7163	2091	5072	29.19%
DDH0712	DDH 002036	52.865	53.815	940	520	93	332	63	6	60	12	79	17	55	8	51	7	509	2753	799	1955	29.01%
DDH0712	DDH 002037	53.815	54.775	1250	650	127	452	87	9	78	16	105	22	70	11	66	9	670	3622	1047	2575	28.92%
DDH0712	DDH 002038	54.775	55.74	1180	620	126	441	84	8	74	14	94	20	62	9	58	8	635	3432	974	2459	28.37%
DDH0712	DDH 002039	55.74	56.74	1670	860	179	626	122	12	115	22	150	33	98	16	93	13	910	4918	1450	3469	29.48%
DDH0712	DDH 002040	56.74	57.69	1770	920	190	595	111	11	101	18	121	26	77	12	74	10	916	4951	1355	3596	27.36%
DDH0712	DDH 002041	57.69	58.635	960	520	107	358	68	7	65	13	84	18	57	9	55	8	528	2854	835	2019	29.25%
DDH0712	DDH 002042	58.635	59.62	1250	650	133	444	87	8	81	15	102	22	67	11	66	9	669	3615	1043	2572	28.84%
DDH0712	DDH 002043	59.62	60.59	1120	580	122	384	76	7	71	14	92	20	61	10	59	8	596	3219	930	2290	28.89%
DDH0712	DDH 002044	60.59	61.56	1440	760	163	583	112	11	108	20	131	29	88	13	84	11	807	4361	1292	3069	29.62%
DDH0712	DDH 002045	61.56	62.525	1280	660	147	494	94	10	88	16	108	24	69	11	66	9	698	3775	1089	2686	28.85%
DDH0712	DDH 002047	62.525	63.415	1030	550	114	399	75	7	67	13	87	19	57	9	55	8	565	3054	879	2175	28.78%
DDH0712	DDH 002048	63.415	64.35	2150	1100	220	787	161	16	155	30	196	43	136	21	126	17	1171	6330	1895	4434	29.95%
DDH0712	DDH 002049	64.35	65.32	1170	590	127	419	83	8	76	14	97	21	62	10	58	8	622	3364	968	2397	28.76%
DDH0712	DDH 002050	65.32	66.255	1350	710	152	501	99	9	90	17	111	25	76	12	73	10	734	3967	1146	2821	28.89%
DDH0712	DDH 002051	66.255	67.22	890	460	104	365	69	6	65	12	79	16	49	8	48	7	494	2672	778	1894	29.11%
DDH0712	DDH 002052	67.22	68.2	1320	680	147	521	99	10	92	17	116	25	77	12	71	10	726	3922	1145	2777	29.19%
DDH0712	DDH 002053	68.2	69.105	1770	930	197	667	131	13	127	24	161	35	108	17	101	14	975	5270	1562	3708	29.64%
DDH0712	DDH 002054	69.105	70.065	2000	1040	215	732	147	14	141	26	165	38	117	18	108	15	1084	5860	1711	4149	29.20%
DDH0712	DDH 002055	70.065	71.05	1110	590	128	436	79	8	71	13	88	19	58	8	55	7	606	3276	926	2351	28.25%
DDH0712	DDH 002056	71.05	72	2150	1060	230	819	160	16	150	29	187	43	130	20	128	17	1166	6304	1870	4434	29.66%
DDH0712	DDH 002058	72	72.985	1960	1020	214	737	144	14	138	26	166	38	118	18	112	16	1071	5791	1703	4088	29.41%
DDH0712	DDH 002059	72.985	73.975	1380	720	155	524	99	10	85	16	100	21	65	10	62	9	739	3993	1105	2887	27.68%
DDH0712	DDH 002060	73.975	74.95	1640	810	179	631	118	12	101	18	113	24	70	10	63	8	862	4659	1269	3390	27.24%
DDH0712	DDH 002061	74.95	75.88	1120	510	118	436	76	9	62	9	59	11	31	5	27	4	563	3041	771	2270	25.36%
DDH0712	DDH 002062	75.88	76.765	1220	570	130	437	79	9	69	12	72	14	42	6	36	5	614	3317	871	2446	26.25%
DDH0712	DDH 002063	76.765	77.445	1460	680	151	543	100	11	78	12	76	15	39	6	31	4	728	3935	990	2945	25.16%
DDH0712	DDH 002064	77.445	78.015	1410	630	155	555	101	12	81	13	75	15	41	6	36	5	711	3845	983	2863	25.56%
AVERAGE				**1420**	**738**	**156**	**530**	**103**	**10**	**95**	**18**	**116**	**25**	**77**	**12**	**73**	**10**	**768**	**4149**	**1193**	**2956**	**28.56%**

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0713	DDH 002065	2.51	3.46	3180	1650	335	1161	239	24	228	43	263	62	176	29	169	23	1721	9302	2714	6589	29.17%
DDH0713	DDH 002066	3.46	4.385	1260	680	126	436	90	9	81	16	103	22	65	10	62	9	673	3639	1039	2600	28.55%
DDH0713	DDH 002067	4.385	5.285	690	390	75	260	50	5	44	8	52	11	34	5	33	5	377	2039	569	1470	27.92%
DDH0713	DDH 002069	5.285	6.145	960	480	98	344	70	6	65	12	80	17	51	8	48	6	509	2754	795	1959	28.88%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0713	DDH 002070	6.145	7.08	1370	680	137	462	94	9	88	16	105	22	65	10	60	8	709	3835	1083	2751	28.25%
DDH0713	DDH 002071	7.08	8.05	1170	610	128	445	86	8	78	15	99	21	62	10	59	8	636	3436	989	2448	28.77%
DDH0713	DDH 002072	8.05	8.94	1720	870	172	604	117	11	104	19	126	27	80	12	75	10	896	4844	1350	3493	27.88%
DDH0713	DDH 002073	8.94	9.91	1990	1020	213	705	147	14	134	25	164	36	110	16	98	13	1064	5749	1660	4089	28.87%
DDH0713	DDH 002074	9.91	10.86	1660	850	175	605	123	11	113	21	135	29	87	13	80	11	888	4802	1377	3425	28.68%
DDH0713	DDH 002075	10.86	11.85	3110	1580	324	1147	238	23	235	43	264	58	174	26	157	21	1680	9080	2659	6422	29.28%
DDH0713	DDH 002076	11.85	12.82	1430	790	151	545	100	10	95	18	116	25	74	11	68	9	781	4222	1197	3025	28.35%
DDH0713	DDH 002077	12.82	13.805	2510	1310	261	935	187	18	171	32	207	44	138	21	126	17	1357	7333	2113	5220	28.81%
DDH0713	DDH 002078	13.805	14.79	2200	1100	233	793	160	15	145	27	176	38	113	18	103	13	1165	6299	1798	4501	28.54%
DDH0713	DDH 002080	14.79	15.765	1470	770	155	529	103	9	90	16	113	24	71	11	66	9	780	4215	1180	3036	27.98%
DDH0713	DDH 002081	15.765	16.72	1740	900	182	591	117	11	104	19	125	26	80	12	75	10	906	4899	1358	3542	27.71%
DDH0713	DDH 002082	16.72	17.695	1510	830	167	560	117	11	106	20	132	28	81	13	77	10	831	4493	1299	3195	28.91%
DDH0713	DDH 002083	17.695	18.615	1700	900	181	655	130	13	122	23	154	33	100	15	93	13	938	5070	1491	3579	29.41%
DDH0713	DDH 002084	18.615	19.56	1900	970	215	754	140	13	125	21	138	28	82	12	74	10	1018	5500	1507	3993	27.41%
DDH0713	DDH 002085	19.56	20.54	1990	1030	217	747	138	13	125	22	148	31	95	14	87	12	1060	5730	1594	4136	27.82%
DDH0713	DDH 002086	20.54	21.45	2010	1030	216	735	139	13	127	23	149	32	93	14	88	11	1063	5743	1600	4143	27.86%
DDH0713	DDH 002087	21.45	22.42	2120	1070	216	732	143	13	125	23	153	32	98	15	90	12	1099	5939	1645	4294	27.70%
DDH0713	DDH 002088	22.42	23.395	3210	1730	331	1095	213	20	184	35	219	47	145	23	134	18	1681	9085	2486	6599	27.37%
DDH0713	DDH 002089	23.395	24.32	1660	840	182	614	107	9	83	14	88	18	51	8	49	7	847	4577	1164	3413	25.44%
DDH0713	DDH 002091	24.32	25.32	2290	1360	215	688	112	10	90	15	100	20	60	9	57	8	1143	6177	1502	4675	24.31%
DDH0713	DDH 002092	25.32	26.305	2900	1480	297	1007	196	18	157	28	179	38	109	17	104	13	1485	8028	2130	5899	26.53%
DDH0713	DDH 002093	26.305	27.23	1580	790	181	639	115	10	97	16	100	19	58	9	52	7	834	4507	1192	3315	26.44%
DDH0713	DDH 002094	27.23	28.2	1940	990	214	716	139	13	129	23	154	33	99	15	91	12	1037	5605	1593	4012	28.43%
DDH0713	DDH 002095	28.2	29.15	1790	990	204	669	126	12	113	20	135	29	86	13	80	10	971	5250	1458	3791	27.78%
DDH0713	DDH 002096	29.15	30.09	2220	1160	255	850	160	15	143	26	163	35	101	16	93	12	1191	6440	1780	4660	27.65%
DDH0713	DDH 002097	30.09	31.03	2030	1010	231	787	148	14	127	23	146	31	90	14	82	10	1076	5818	1598	4220	27.47%
DDH0713	DDH 002098	31.03	32.005	4010	1870	476	1609	278	24	228	37	211	45	124	19	107	14	2055	11106	2838	8268	25.56%
DDH0713	DDH 002099	32.005	32.945	1980	1060	233	800	152	15	134	25	163	34	104	16	95	12	1095	5916	1677	4240	28.34%
DDH0713	DDH 002100	32.945	33.9	560	310	52	152	25	2	21	4	25	5	15	3	16	2	270	1462	361	1101	24.71%
DDH0713	DDH 002103	34.885	35.865	1160	690	31	88	14	1	9	2	10	2	6	1	7	1	459	2480	496	1984	20.01%
DDH0713	DDH 002104	35.865	36.765	1710	690	122	353	60	6	48	9	54	11	31	5	28	4	711	3842	901	2941	23.45%
DDH0713	DDH 002105	36.765	37.685	640	1080	165	492	88	9	78	13	83	16	45	6	39	5	626	3386	912	2474	26.94%
DDH0713	DDH 002106	37.685	38.615	1700	400	56	169	27	2	23	4	21	4	13	2	14	2	553	2989	635	2354	21.25%
DDH0713	DDH 002107	38.615	39.435	400	1110	174	552	90	8	67	10	63	12	33	5	30	4	580	3137	804	2334	25.62%
DDH0713	DDH 002108	39.435	40.39	150	250	41	121	24	2	18	3	18	4	12	2	11	2	149	807	220	587	27.22%
DDH0713	DDH 002109	40.39	41.3	310	110	13	43	7	0	5	1	5	1	3	1	5	1	114	618	135	483	21.84%
DDH0713	DDH 002110	41.3	42.24	1020	220	30	89	14	1	9	1	9	2	5	1	6	1	320	1729	354	1374	20.50%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0713	DDH 002111	42.24	43.19	2240	650	93	272	39	3	30	5	30	6	15	2	14	2	772	4174	876	3298	20.99%
DDH0713	DDH 002114	44.145	45.085	2170	1190	248	869	152	14	125	21	133	27	77	12	68	9	1161	6275	1632	4642	26.02%
DDH0713	DDH 002115	45.085	46.005	2060	1600	364	1271	252	24	198	40	248	52	158	24	146	20	1465	7920	2351	5570	29.68%
DDH0713	DDH 002116	46.005	46.94	2950	1150	246	835	158	16	143	26	176	37	114	18	107	14	1360	7349	1994	5355	27.14%
DDH0713	DDH 002117	46.94	47.875	1370	1080	237	815	163	16	157	30	197	44	135	21	128	17	1001	5412	1731	3681	31.98%
DDH0713	DDH 002118	47.875	48.8	1410	1540	338	1104	212	19	191	35	227	46	149	23	134	18	1237	6684	2060	4624	30.82%
DDH0713	DDH 002119	48.8	49.785	1240	710	152	525	99	9	88	16	111	24	73	11	71	10	713	3852	1116	2735	28.98%
DDH0713	DDH 002120	49.785	50.765	2150	740	151	519	100	9	92	18	119	26	81	12	77	10	932	5037	1368	3670	27.15%
DDH0713	DDH 002121	50.765	51.745	4230	660	132	445	89	8	78	15	100	22	67	11	66	9	1347	7279	1715	5564	23.56%
DDH0713	DDH 002122	51.745	52.695	2140	1150	226	756	139	14	125	23	148	31	94	14	84	11	1125	6079	1655	4424	27.22%
DDH0713	DDH 002124	52.695	53.64	1280	2150	455	1527	290	28	233	44	300	62	190	30	173	24	1540	8327	2596	5731	31.18%
DDH0713	DDH 002125	53.64	54.6	1390	1010	236	801	144	13	118	20	123	25	72	11	65	9	916	4952	1358	3594	27.43%
DDH0713	DDH 002126	54.6	55.58	2400	700	132	473	89	9	83	16	103	23	72	11	69	10	951	5143	1339	3803	26.04%
DDH0713	DDH 002127	55.58	56.465	1440	770	150	496	90	9	83	15	96	20	62	9	58	7	750	4055	1101	2954	27.14%
DDH0713	DDH 002128	56.465	57.385	1080	1290	251	881	173	18	166	32	201	46	144	23	139	19	1013	5476	1783	3693	32.56%
DDH0713	DDH 002129	57.385	58.295	920	790	158	512	96	9	81	15	97	21	61	10	58	8	644	3479	994	2485	28.57%
DDH0713	DDH 002130	58.295	59.275	1120	610	114	389	71	7	65	12	76	17	50	8	46	6	588	3177	865	2312	27.23%
DDH0713	DDH 002131	59.275	60.21	1040	510	97	328	62	6	58	11	71	15	47	7	46	6	523	2826	784	2043	27.72%
DDH0713	DDH 002132	60.21	61.08	2100	600	127	428	85	8	76	13	90	19	63	10	62	9	837	4526	1178	3347	26.03%
DDH0713	DDH 002133	61.08	62.05	1620	560	116	394	71	7	65	12	81	18	54	9	56	8	697	3768	1000	2769	26.53%
DDH0713	DDH 002135	62.05	63	1860	1140	234	801	159	16	152	29	196	42	135	21	128	17	1119	6050	1840	4210	30.41%
DDH0713	DDH 002136	63	63.925	1950	910	185	656	126	13	120	24	158	36	110	18	105	15	1004	5429	1589	3840	29.26%
DDH0713	DDH 002137	63.925	64.845	1570	960	216	756	146	14	134	26	169	37	112	18	105	14	970	5245	1583	3661	30.19%
DDH0713	DDH 002138	64.845	65.715	920	1060	215	766	150	15	145	28	181	40	133	20	125	17	866	4683	1557	3126	33.25%
DDH0713	DDH 002139	65.715	66.645	420	820	175	603	117	12	113	22	152	33	105	16	100	14	613	3315	1168	2147	35.24%
DDH0713	DDH 002140	66.645	67.61	1890	510	98	350	65	6	60	11	76	17	51	8	49	7	726	3925	1005	2920	25.61%
DDH0713	DDH 002141	67.61	68.545	2190	280	53	182	36	3	30	6	38	8	26	4	25	3	655	3540	795	2745	22.46%
DDH0713	DDH 002142	68.545	69.505	2550	1010	214	698	139	14	129	24	157	36	108	16	104	14	1183	6397	1772	4625	27.70%
DDH0713	DDH 002143	69.505	70.47	1640	1160	232	766	158	16	150	29	194	42	129	20	121	17	1061	5733	1761	3971	30.73%
DDH0713	DDH 002144	70.47	71.44	950	1260	281	989	180	16	155	26	171	36	104	16	93	13	974	5262	1587	3676	30.15%
DDH0713	DDH 002146	71.44	72.365	490	770	179	652	112	10	90	15	91	19	53	8	47	6	577	3119	906	2213	29.04%
DDH0713	DDH 002147	72.365	73.325	480	540	102	353	69	6	60	11	69	14	42	6	40	5	408	2207	657	1550	29.76%
DDH0713	DDH 002148	73.325	74.28	490	280	59	198	32	3	23	4	20	4	11	2	13	2	259	1398	336	1062	24.04%
DDH0713	DDH 002149	74.28	75.25	440	260	47	150	23	2	14	2	12	2	6	1	8	1	220	1188	267	922	22.44%
DDH0713	DDH 002150	75.25	76.22	220	290	55	171	26	2	16	2	15	3	7	1	10	1	186	1007	243	764	24.12%
DDH0713	DDH 002151	76.22	77.125	210	250	50	174	31	5	25	4	26	5	17	3	19	3	187	1009	289	719	28.68%
DDH0713	DDH 002152	77.125	78	220	160	28	101	19	6	14	2	13	3	7	1	7	1	132	713	180	534	25.18%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0713	DDH 002153	78	78.93	490	140	24	89	16	7	14	2	13	3	7	1	7	1	184	997	231	766	23.20%
DDH0713	DDH 002154	78.93	79.805	220	120	23	85	16	6	14	2	12	2	6	1	6	1	117	632	160	471	25.41%
DDH0713	DDH 002155	79.805	80.725	1360	280	55	187	32	7	25	4	22	4	11	2	10	1	454	2453	533	1920	21.74%
DDH0713	DDH 002157	80.725	81.625	1290	150	26	96	19	6	14	2	13	3	7	1	7	1	371	2005	418	1587	20.84%
AVERAGE				**1575**	**847**	**171**	**582**	**111**	**11**	**98**	**18**	**116**	**25**	**74**	**11**	**69**	**9**	**844**	**4561**	**1264**	**3297**	**27.16%**

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002161	2.11	3.08	1310	670	151	519	95	9	81	14	95	19	55	9	52	7	700	3786	1033	2754	27.27%
DDH0714	DDH 002162	3.08	4.02	1270	670	143	510	102	10	90	16	104	22	66	10	60	8	699	3779	1075	2704	28.45%
DDH0714	DDH 002163	4.02	4.96	1310	660	146	512	102	9	95	18	117	25	73	11	67	9	716	3870	1130	2740	29.21%
DDH0714	DDH 002164	4.96	5.93	1270	690	135	461	94	9	85	16	107	22	69	10	63	8	690	3731	1071	2659	28.72%
DDH0714	DDH 002165	5.93	6.89	3490	1830	367	1294	268	27	242	48	304	68	207	32	186	26	1904	10293	3017	7276	29.31%
DDH0714	DDH 002166	6.89	7.85	2210	1160	243	854	173	16	159	31	194	41	129	20	121	16	1218	6585	1930	4655	29.30%
DDH0714	DDH 002168	7.85	8.765	1100	620	116	405	75	7	69	13	84	17	53	8	49	7	595	3217	894	2322	27.80%
DDH0714	DDH 002169	8.765	9.65	2150	1000	239	871	158	14	131	22	131	26	70	10	59	7	1110	5998	1566	4432	26.11%
DDH0714	DDH 002170	9.65	10.54	2610	1210	284	965	167	15	131	21	125	24	65	9	55	7	1291	6981	1730	5251	24.78%
DDH0714	DDH 002171	10.54	11.47	1630	910	161	541	97	8	81	15	92	19	53	8	48	6	833	4502	1155	3347	25.65%
DDH0714	DDH 002172	11.47	12.34	2260	1100	255	890	162	15	136	24	148	30	86	13	76	10	1181	6386	1704	4682	26.69%
DDH0714	DDH 002173	12.34	13.23	1530	850	158	529	98	10	90	16	104	22	62	9	55	7	804	4345	1169	3176	26.91%
DDH0714	DDH 002174	13.23	14.11	750	440	83	278	53	5	48	8	56	12	36	6	35	5	412	2228	619	1609	27.79%
DDH0714	DDH 002175	14.11	15	2490	1130	286	963	163	14	122	20	122	24	70	11	64	8	1245	6732	1685	5047	25.04%
DDH0714	DDH 002176	15	15.94	1720	890	188	634	129	13	122	23	152	33	100	15	93	13	936	5060	1486	3574	29.37%
DDH0714	DDH 002177	15.94	16.86	940	500	111	381	72	7	65	12	79	17	50	8	47	6	521	2817	805	2012	28.57%
DDH0714	DDH 002179	16.86	17.8	1100	590	123	415	86	9	81	15	95	20	61	9	58	8	606	3275	952	2323	29.08%
DDH0714	DDH 002180	17.8	18.625	1410	750	162	552	110	10	99	18	119	25	77	12	71	9	777	4201	1207	2993	28.74%
DDH0714	DDH 002181	18.625	19.555	1230	650	134	433	81	7	74	14	104	24	70	10	57	7	658	3554	1019	2535	28.67%
DDH0714	DDH 002182	19.555	20.51	2010	1080	220	749	145	14	134	24	160	34	101	16	96	13	1088	5882	1665	4217	28.31%
DDH0714	DDH 002183	20.51	21.45	1850	940	211	725	153	16	150	29	192	42	137	21	130	17	1047	5660	1765	3895	31.18%
DDH0714	DDH 002184	21.45	22.42	1360	690	143	503	100	10	92	18	116	25	73	11	65	8	729	3942	1137	2805	28.84%
DDH0714	DDH 002185	22.42	23.35	1250	680	145	493	103	10	97	19	125	28	83	13	82	11	712	3850	1169	2681	30.37%
DDH0714	DDH 002186	23.35	24.21	1140	640	129	491	100	9	95	18	126	28	87	14	80	11	674	3642	1132	2510	31.09%
DDH0714	DDH 002187	24.21	25.11	1390	710	157	554	113	11	111	21	137	30	89	14	84	11	779	4210	1275	2935	30.29%
DDH0714	DDH 002188	25.11	26.065	1530	800	168	581	119	12	113	22	142	31	93	14	85	12	845	4567	1357	3210	29.71%
DDH0714	DDH 002190	26.065	27	1600	810	180	687	138	13	120	22	137	27	80	12	72	10	887	4792	1364	3428	28.46%
DDH0714	DDH 002191	27	27.905	1240	650	137	469	98	10	88	17	108	23	68	11	63	8	678	3667	1064	2603	29.01%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002192	27.905	28.815	1750	870	198	700	139	14	136	25	163	35	105	16	96	13	967	5226	1555	3671	29.75%
DDH0714	DDH 002193	28.815	29.78	2020	1030	220	803	159	15	148	29	188	41	125	19	113	15	1118	6041	1794	4247	29.70%
DDH0714	DDH 002194	29.78	30.71	1540	740	164	578	115	11	104	19	124	26	75	11	68	9	814	4399	1250	3148	28.42%
DDH0714	DDH 002195	30.71	31.69	1770	880	181	683	139	13	131	24	160	33	98	15	88	12	960	5187	1520	3667	29.30%
DDH0714	DDH 002196	31.69	32.685	1280	650	134	469	94	10	90	16	107	23	70	11	65	8	687	3715	1078	2636	29.02%
DDH0714	DDH 002197	32.685	33.6	1570	770	168	634	127	11	113	20	126	25	72	11	59	8	843	4558	1277	3281	28.02%
DDH0714	DDH 002198	33.6	34.57	2030	1020	232	781	165	16	152	28	166	37	106	16	91	12	1101	5951	1708	4243	28.70%
DDH0714	DDH 002199	34.57	35.515	2270	1090	269	914	178	16	152	26	163	32	90	13	75	9	1203	6503	1765	4738	27.14%
DDH0714	DDH 002201	35.515	36.455	2260	1170	249	850	154	15	138	25	162	33	98	15	85	11	1195	6461	1763	4698	27.29%
DDH0714	DDH 002202	36.455	37.45	2480	1330	265	929	165	15	145	26	166	34	100	15	88	11	1310	7079	1895	5184	26.78%
DDH0714	DDH 002203	37.45	38.45	2020	1180	217	749	129	12	115	21	135	29	85	13	76	10	1088	5881	1574	4307	26.76%
DDH0714	DDH 002204	38.45	39.4	2000	1110	219	781	154	14	141	26	177	37	110	17	103	13	1113	6015	1737	4278	28.87%
DDH0714	DDH 002205	39.4	40.38	2450	1310	275	886	188	18	168	31	202	42	125	19	109	14	1325	7163	2036	5127	28.42%
DDH0714	DDH 002206	40.38	41.35	2200	1240	222	740	129	11	111	20	125	26	74	11	62	8	1130	6109	1566	4543	25.64%
DDH0714	DDH 002207	41.35	42.335	3490	1850	371	1151	197	18	157	26	153	30	81	12	65	8	1727	9335	2259	7076	24.20%
DDH0714	DDH 002208	42.335	43.235	2290	1110	251	877	166	16	148	27	168	34	98	14	83	11	1201	6492	1783	4709	27.46%
DDH0714	DDH 002209	43.235	44.22	2020	990	228	806	150	14	131	23	144	30	82	12	69	9	1069	5776	1569	4207	27.16%
DDH0714	DDH 002210	44.22	45.18	3260	1540	365	1259	231	21	198	34	202	44	126	19	107	14	1684	9103	2427	6676	26.67%
DDH0714	DDH 002212	45.18	46.165	2660	1360	297	1032	190	19	168	31	201	43	126	19	110	15	1423	7694	2137	5558	27.77%
DDH0714	DDH 002213	46.165	47.155	1240	700	141	422	72	7	58	10	69	15	46	8	49	7	645	3489	907	2582	25.99%
DDH0714	DDH 002214	47.155	48.125	1120	600	132	463	93	9	88	16	104	22	67	10	63	8	634	3429	1013	2416	29.54%
DDH0714	DDH 002215	48.125	49.1	1550	780	180	648	126	11	111	20	129	27	79	12	74	10	853	4611	1315	3296	28.51%
DDH0714	DDH 002216	49.1	49.975	1260	660	152	526	105	10	92	18	118	25	77	11	69	9	712	3846	1132	2714	29.44%
DDH0714	DDH 002217	49.975	50.94	1770	920	197	690	136	13	120	21	140	30	89	14	83	11	961	5194	1469	3726	28.27%
DDH0714	DDH 002218	50.94	51.9	2220	1180	246	842	169	16	161	29	191	43	130	20	117	16	1222	6603	1929	4674	29.22%
DDH0714	DDH 002219	51.9	52.87	1220	640	139	484	96	10	90	17	111	24	72	11	66	9	678	3665	1077	2588	29.39%
DDH0714	DDH 002220	52.87	53.845	2460	1270	281	1076	202	20	187	36	243	52	154	24	142	18	1400	7567	2257	5309	29.83%
DDH0714	DDH 002221	53.845	54.805	1510	720	172	649	125	13	115	22	141	30	90	13	83	11	839	4534	1345	3189	29.67%
DDH0714	DDH 002223	54.805	55.735	1530	800	181	654	130	13	120	23	155	32	98	15	91	12	875	4729	1421	3308	30.05%
DDH0714	DDH 002224	55.735	56.685	1370	730	173	576	122	12	111	21	141	30	88	13	83	11	790	4271	1289	2982	30.19%
DDH0714	DDH 002225	56.685	57.58	1670	880	198	689	144	14	136	26	170	36	110	17	101	14	955	5161	1566	3595	30.35%
DDH0714	DDH 002226	57.58	58.53	1500	820	178	614	127	12	118	21	141	30	92	14	85	12	854	4619	1367	3252	29.60%
DDH0714	DDH 002227	58.53	59.515	1290	670	155	548	108	10	101	19	124	26	81	12	75	10	733	3964	1183	2781	29.84%
DDH0714	DDH 002228	59.515	60.475	1330	720	164	542	111	10	99	19	125	26	78	12	75	10	754	4078	1200	2878	29.42%
DDH0714	DDH 002229	60.475	61.46	1230	640	150	518	101	10	92	18	117	25	76	11	68	9	696	3760	1112	2648	29.57%
DDH0714	DDH 002230	61.46	62.42	1350	710	90	308	61	6	55	11	69	15	44	7	42	5	629	3403	878	2525	25.81%
DDH0714	DDH 002231	62.42	63.305	1680	880	198	675	131	13	125	24	156	33	101	16	95	12	939	5078	1501	3577	29.55%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002232	63.305	64.28	1340	700	163	531	110	10	99	18	123	26	80	13	77	10	749	4051	1196	2854	29.54%
DDH0714	DDH 002234	64.28	65.255	1370	720	159	543	109	11	99	18	117	25	76	12	71	10	758	4097	1184	2913	28.91%
DDH0714	DDH 002235	65.255	66.155	1450	750	167	588	112	11	99	18	118	25	75	12	71	10	796	4301	1223	3078	28.44%
DDH0714	DDH 002236	66.155	67.12	1630	850	187	659	131	13	127	24	160	34	103	16	97	13	918	4961	1490	3470	30.04%
DDH0714	DDH 002237	67.12	68.09	1250	650	149	501	97	10	90	17	111	23	70	11	65	9	693	3747	1089	2658	29.07%
DDH0714	DDH 002238	68.09	69.025	820	470	102	342	65	6	60	11	67	14	42	6	39	5	465	2515	710	1805	28.24%
DDH0714	DDH 002239	69.025	70.005	1610	790	186	631	125	12	111	20	125	26	79	12	71	9	864	4670	1316	3354	28.19%
DDH0714	DDH 002240	70.005	70.975	1300	740	149	514	95	9	90	16	109	24	71	11	67	9	727	3931	1125	2807	28.61%
DDH0714	DDH 002241	70.975	71.95	1010	550	122	428	85	8	76	14	96	20	61	10	57	8	578	3122	919	2203	29.43%
DDH0714	DDH 002242	71.95	72.86	1580	840	186	604	112	10	99	18	116	24	72	11	65	9	850	4595	1263	3332	27.49%
DDH0714	DDH 002243	72.86	73.84	1120	590	134	466	91	9	85	16	104	22	67	11	63	9	632	3418	1008	2411	29.48%
DDH0714	DDH 002245	73.84	74.835	1000	550	121	423	82	8	76	14	88	19	57	9	54	8	569	3077	893	2183	29.03%
DDH0714	DDH 002246	74.835	75.815	1050	580	126	434	88	9	85	16	103	22	67	10	63	9	604	3264	979	2286	29.98%
DDH0714	DDH 002247	75.815	76.75	1090	580	134	436	91	9	83	16	104	22	66	10	60	8	615	3324	984	2340	29.60%
DDH0714	DDH 002248	76.75	77.71	1200	640	143	473	100	10	95	17	116	25	75	12	69	9	677	3662	1096	2566	29.93%
DDH0714	DDH 002249	77.71	78.585	1290	680	145	512	103	10	92	17	115	24	75	11	68	9	716	3868	1128	2740	29.17%
DDH0714	DDH 002250	78.585	79.565	750	410	83	297	61	5	53	10	67	14	43	7	42	5	420	2268	661	1607	29.16%
DDH0714	DDH 002251	79.565	80.53	1160	620	134	476	96	9	88	17	111	24	70	11	66	9	656	3545	1050	2495	29.62%
DDH0714	DDH 002252	80.53	81.51	2160	1140	246	855	170	17	161	30	199	43	130	20	120	16	1205	6512	1923	4588	29.54%
DDH0714	DDH 002253	81.51	82.475	3060	1600	350	1224	252	25	231	45	295	66	196	30	180	24	1720	9297	2786	6511	29.97%
DDH0714	DDH 002254	82.475	83.45	2690	1400	309	1109	225	23	203	41	273	58	169	27	166	21	1524	8239	2483	5756	30.14%
DDH0714	DDH 002256	83.45	84.38	2520	1330	286	988	209	21	189	38	258	53	170	26	154	21	1422	7686	2332	5354	30.34%
DDH0714	DDH 002257	84.38	85.285	940	480	110	393	77	7	71	14	92	19	57	9	54	7	529	2860	852	2007	29.80%
DDH0714	DDH 002258	85.285	86.21	1060	560	122	431	83	9	78	15	96	21	62	9	59	8	593	3206	941	2265	29.36%
DDH0714	DDH 002259	86.21	87.15	1120	580	133	471	92	9	85	16	104	22	67	10	62	8	631	3410	1005	2405	29.47%
DDH0714	DDH 002260	87.15	88.11	2460	1270	289	1002	210	20	194	36	226	51	159	24	142	19	1385	7487	2237	5250	29.88%
DDH0714	DDH 002261	88.11	89.05	3280	1670	390	1411	278	28	265	49	331	70	215	33	202	27	1872	10121	3063	7057	30.27%
DDH0714	DDH 002262	89.05	89.99	2650	1370	308	1055	220	22	201	38	261	56	166	25	153	20	1485	8029	2404	5625	29.94%
DDH0714	DDH 002263	89.99	90.955	840	450	103	364	71	7	60	12	77	16	49	8	48	6	479	2588	754	1834	29.14%
DDH0714	DDH 002264	90.955	91.91	840	460	96	343	65	6	58	10	71	15	45	7	43	6	469	2533	723	1810	28.55%
DDH0714	DDH 002265	91.91	92.895	1080	580	134	428	84	8	78	14	93	19	59	9	56	7	601	3251	937	2314	28.83%
DDH0714	DDH 002267	92.895	93.845	1290	670	138	494	99	10	92	17	115	24	73	11	67	9	706	3815	1115	2700	29.22%
DDH0714	DDH 002268	93.845	94.83	1390	770	167	570	110	11	101	20	129	27	84	13	77	10	790	4269	1251	3018	29.31%
DDH0714	DDH 002269	94.83	95.75	1500	770	175	612	121	12	111	21	140	30	92	14	83	12	838	4530	1340	3190	29.58%
DDH0714	DDH 002270	95.75	96.66	1310	670	156	511	106	10	97	18	117	25	73	12	71	10	723	3908	1145	2763	29.30%
DDH0714	DDH 002271	96.66	97.59	1520	810	180	640	123	12	113	22	147	31	97	15	90	12	866	4679	1393	3285	29.78%
DDH0714	DDH 002272	97.59	98.53	1420	770	165	555	114	11	108	20	139	29	90	14	83	11	802	4332	1297	3036	29.93%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002273	98.53	99.47	1750	920	203	700	137	13	127	24	162	35	105	17	98	13	977	5280	1558	3722	29.50%
DDH0714	DDH 002274	99.47	100.42	1140	580	129	445	84	8	74	14	92	19	57	9	57	8	617	3333	946	2387	28.40%
DDH0714	DDH 002275	100.42	101.395	2170	1160	250	838	158	16	143	27	173	37	114	17	106	14	1186	6409	1817	4592	28.35%
DDH0714	DDH 002276	101.395	102.355	1630	870	198	666	126	12	115	22	145	32	97	15	89	12	914	4943	1440	3502	29.14%
DDH0714	DDH 002278	102.355	103.34	1620	840	179	606	125	12	115	22	146	31	97	15	90	12	888	4798	1416	3382	29.50%
DDH0714	DDH 002279	103.34	104.33	1920	1000	257	932	183	17	173	33	215	45	145	22	136	18	1157	6254	1944	4309	31.09%
DDH0714	DDH 002280	104.33	105.275	1240	660	124	426	81	7	67	12	74	15	46	7	44	6	638	3448	909	2539	26.37%
DDH0714	DDH 002281	105.275	106.235	920	460	102	347	62	6	53	10	59	12	35	5	34	5	479	2588	691	1897	26.70%
DDH0714	DDH 002282	106.235	107.235	1390	720	152	570	103	10	92	17	108	24	72	11	66	9	759	4102	1158	2945	28.22%
DDH0714	DDH 002283	107.235	108.195	1200	660	126	433	83	8	76	14	95	20	63	9	57	8	647	3500	991	2509	28.30%
DDH0714	DDH 002284	108.195	109.185	1360	670	138	464	96	9	85	16	108	23	70	11	64	9	709	3832	1096	2736	28.59%
DDH0714	DDH 002285	109.185	110.185	1380	680	144	484	100	10	97	18	119	25	76	12	73	9	733	3961	1163	2798	29.36%
DDH0714	DDH 002286	110.185	111.15	1610	820	169	591	114	11	106	20	132	28	85	13	79	10	860	4648	1333	3315	28.68%
DDH0714	DDH 002287	111.15	112.03	2090	1080	239	841	170	17	161	31	205	44	134	20	123	17	1174	6347	1910	4437	30.09%
DDH0714	DDH 002289	112.03	113.3	1860	970	197	665	136	14	127	25	166	36	109	17	105	14	1008	5447	1606	3841	29.48%
DDH0714	DDH 002290	113.3	114	1200	620	117	414	81	7	74	13	87	19	57	9	55	8	627	3387	948	2439	27.99%
DDH0714	DDH 002291	114	114.985	1440	730	157	553	110	10	99	18	121	26	79	12	75	10	781	4221	1222	3000	28.94%
DDH0714	DDH 002292	114.985	115.93	1550	800	164	540	111	11	101	19	124	26	81	12	74	10	822	4445	1269	3176	28.56%
DDH0714	DDH 002293	115.93	116.89	1330	710	155	541	104	9	95	18	117	25	78	12	72	10	744	4020	1171	2849	29.12%
DDH0714	DDH 002294	116.89	117.87	1060	570	109	381	74	7	69	13	81	18	54	8	51	7	568	3070	869	2201	28.31%
DDH0714	DDH 002295	117.87	118.825	860	460	92	311	64	6	53	10	69	15	46	7	47	6	465	2512	719	1793	28.63%
DDH0714	DDH 002296	118.825	119.75	990	550	113	387	76	7	74	12	90	19	58	8	52	7	555	3000	877	2123	29.22%
DDH0714	DDH 002297	119.75	120.63	1280	690	156	541	101	10	92	17	116	25	75	11	69	9	725	3918	1140	2778	29.09%
DDH0714	DDH 002298	120.63	121.54	1350	700	147	514	102	10	95	18	119	25	76	11	71	9	737	3985	1161	2824	29.13%
DDH0714	DDH 002300	121.54	122.475	1720	890	186	647	130	13	120	22	140	31	92	14	84	11	930	5030	1444	3585	28.71%
DDH0714	DDH 002301	122.475	123.4	1590	800	162	588	102	10	90	16	99	21	60	9	52	7	819	4425	1173	3251	26.52%
DDH0714	DDH 002302	123.4	124.38	1510	730	163	559	103	9	85	16	99	20	60	9	54	7	777	4200	1126	3074	26.81%
DDH0714	DDH 002303	124.38	125.35	1270	640	145	500	92	9	81	14	91	19	55	8	51	7	677	3659	1003	2657	27.41%
DDH0714	DDH 002304	125.35	126.29	1080	600	127	443	87	9	85	16	105	23	71	11	66	9	620	3352	1006	2345	30.03%
DDH0714	DDH 002305	126.29	127.26	1170	620	124	447	89	9	83	16	107	23	71	11	68	9	646	3494	1035	2459	29.61%
DDH0714	DDH 002306	127.26	128.26	1760	890	201	693	143	14	131	26	172	37	111	17	105	14	979	5291	1592	3700	30.08%
DDH0714	DDH 002307	128.26	129.25	2210	1170	249	872	181	18	168	32	217	45	145	23	133	18	1244	6725	2026	4699	30.12%
DDH0714	DDH 002308	129.25	130.225	2310	1180	261	964	188	18	173	32	202	45	143	21	131	18	1291	6976	2055	4921	29.46%
DDH0714	DDH 002309	130.225	131.2	2510	1320	289	1018	202	20	203	37	249	51	164	26	155	21	1422	7686	2328	5358	30.28%
DDH0714	DDH 002311	131.2	132.115	1330	730	151	521	103	10	90	17	116	25	75	11	73	10	741	4003	1158	2845	28.93%
DDH0714	DDH 002312	132.115	133.065	1120	600	127	444	85	8	78	14	94	21	63	10	59	8	620	3351	967	2384	28.86%
DDH0714	DDH 002313	133.065	134.035	2010	1030	227	785	158	15	141	26	173	36	111	17	104	14	1100	5947	1722	4225	28.96%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002314	134.035	134.975	1710	860	202	717	138	13	122	22	145	30	92	14	85	11	945	5106	1466	3639	28.72%
DDH0714	DDH 002315	134.975	135.96	1370	740	155	542	108	10	101	19	126	28	85	13	77	10	769	4155	1229	2926	29.59%
DDH0714	DDH 002316	135.96	136.95	960	510	112	399	80	7	74	14	93	20	61	10	55	8	545	2947	879	2068	29.82%
DDH0714	DDH 002317	136.95	137.905	890	480	110	387	75	7	69	13	82	18	54	8	49	7	510	2759	810	1949	29.36%
DDH0714	DDH 002318	137.905	138.835	1010	540	110	392	76	7	69	13	87	19	56	9	54	7	556	3004	868	2136	28.91%
DDH0714	DDH 002319	138.835	139.795	970	500	120	402	80	8	71	13	92	19	61	9	56	8	547	2956	876	2080	29.63%
DDH0714	DDH 002320	139.795	140.715	1020	550	126	420	80	8	71	13	89	19	59	9	56	8	574	3101	898	2203	28.96%
DDH0714	DDH 002322	140.715	141.685	1590	820	180	612	125	12	111	21	139	30	90	14	85	12	872	4713	1374	3339	29.15%
DDH0714	DDH 002323	141.685	142.635	1320	690	165	546	108	10	99	18	115	25	75	11	69	9	740	4001	1162	2839	29.05%
DDH0714	DDH 002324	142.635	143.535	1490	740	170	614	113	11	104	19	126	27	81	12	77	10	816	4412	1274	3138	28.87%
DDH0714	DDH 002325	143.535	144.455	1880	1000	215	760	141	14	129	24	160	35	106	17	99	15	1043	5638	1628	4011	28.87%
DDH0714	DDH 002326	144.455	145.42	1770	910	215	761	145	14	134	25	166	36	109	17	100	14	1003	5419	1604	3816	29.59%
DDH0714	DDH 002327	145.42	146.41	1302	642	140	468	96	9	85	16	104	23	70	11	65	9	689	3727	1071	2655	28.74%
DDH0714	DDH 002328	146.41	147.38	1719	856	186	616	130	13	122	24	154	35	106	16	100	13	928	5019	1499	3519	29.87%
DDH0714	DDH 002329	147.38	148.38	2223	1138	248	819	168	16	161	31	197	45	140	21	131	18	1216	6571	1960	4611	29.83%
DDH0714	DDH 002330	148.38	149.38	3058	1513	342	1087	233	23	214	41	289	65	182	28	175	23	1651	8925	2670	6255	29.91%
DDH0714	DDH 002331	149.38	150.3	1125	557	124	400	79	7	74	14	90	20	62	10	59	8	597	3228	935	2293	28.97%
DDH0714	DDH 002333	150.3	151.255	826	427	95	287	55	5	48	8	54	12	35	5	34	5	431	2328	632	1696	27.16%
DDH0714	DDH 002334	151.255	151.235	818	413	89	289	60	6	53	10	63	14	42	6	41	5	433	2341	667	1674	28.50%
DDH0714	DDH 002335	151.235	153.215	1351	652	153	538	98	9	83	16	95	21	62	9	56	7	715	3864	1063	2801	27.50%
DDH0714	DDH 002336	153.215	154.195	1277	651	145	475	94	9	88	16	106	24	71	11	67	9	691	3733	1082	2651	29.00%
DDH0714	DDH 002337	154.195	155.14	1658	793	184	640	118	11	104	19	119	26	78	12	71	10	872	4714	1310	3404	27.79%
DDH0714	DDH 002338	155.14	156.08	1289	631	141	479	95	9	85	17	107	24	72	11	69	9	690	3731	1085	2645	29.09%
DDH0714	DDH 002339	156.08	156.96	1173	603	130	431	86	9	78	15	94	21	63	10	60	8	632	3414	982	2432	28.75%
DDH0714	DDH 002340	156.96	157.9	1731	832	190	644	122	12	106	20	127	28	84	13	79	10	907	4904	1374	3530	28.02%
DDH0714	DDH 002341	157.9	158.855	831	408	92	300	60	6	51	10	63	14	42	6	41	6	438	2367	670	1697	28.32%
DDH0714	DDH 002342	158.855	159.835	1122	572	123	408	85	8	78	15	94	21	65	10	62	8	607	3280	960	2319	29.28%
DDH0714	DDH 002344	159.835	160.755	1781	876	202	689	136	13	122	23	156	34	103	16	97	13	967	5228	1531	3697	29.29%
DDH0714	DDH 002345	160.755	161.7	1817	906	198	687	136	13	127	24	153	35	106	16	99	14	983	5314	1557	3756	29.31%
DDH0714	DDH 002346	161.7	162.665	1486	760	165	576	111	11	104	20	130	29	89	14	83	11	815	4404	1294	3110	29.39%
DDH0714	DDH 002347	162.665	163.585	1228	617	140	451	89	9	81	16	102	23	70	11	66	9	661	3573	1039	2535	29.06%
DDH0714	DDH 002348	163.585	164.505	1879	936	203	707	139	14	131	25	166	36	113	17	106	14	1018	5505	1628	3877	29.57%
DDH0714	DDH 002349	164.505	165.455	1646	805	184	618	123	12	113	21	137	30	94	14	87	12	884	4777	1391	3386	29.12%
DDH0714	DDH 002350	165.455	166.455	1412	693	158	522	102	9	95	18	113	24	77	11	72	10	753	4069	1171	2898	28.78%
DDH0714	DDH 002351	166.455	167.43	1178	582	132	419	88	9	83	16	100	22	67	10	63	9	630	3406	1000	2406	29.35%
DDH0714	DDH 002352	167.43	168.36	845	419	101	309	65	6	58	10	67	14	44	7	40	5	452	2441	697	1745	28.54%
DDH0714	DDH 002353	168.36	169.31	952	474	108	344	69	6	65	12	77	17	52	8	48	6	508	2746	793	1953	28.87%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002355	169.31	170.27	1093	561	127	406	79	7	74	13	86	19	58	8	52	7	588	3177	905	2272	28.48%
DDH0714	DDH 002356	170.27	171.2	1339	658	150	513	103	9	92	18	112	25	77	12	73	10	724	3914	1142	2772	29.18%
DDH0714	DDH 002357	171.2	172.185	1682	849	190	645	131	13	122	23	145	33	101	15	95	13	921	4977	1468	3510	29.49%
DDH0714	DDH 002358	172.185	173.13	2235	1173	256	870	180	18	168	33	216	49	148	22	138	18	1254	6778	2046	4731	30.19%
DDH0714	DDH 002359	173.13	174.085	1695	834	191	652	125	13	118	22	147	32	100	15	92	13	919	4966	1457	3509	29.34%
DDH0714	DDH 002360	174.085	175.045	1253	632	137	458	96	9	85	16	109	24	76	11	72	10	678	3666	1081	2585	29.50%
DDH0714	DDH 002361	175.045	176.015	1114	554	130	420	83	8	74	14	90	20	59	9	58	8	600	3242	933	2309	28.78%
DDH0714	DDH 002362	176.015	177.005	1240	625	139	471	91	9	88	16	107	23	73	11	71	9	675	3647	1072	2575	29.39%
DDH0714	DDH 002363	177.005	177.955	1339	671	151	503	99	9	90	17	111	25	74	11	72	9	722	3902	1131	2771	28.99%
DDH0714	DDH 002364	177.955	178.925	1079	545	121	414	80	8	74	14	92	20	61	9	59	8	587	3171	923	2248	29.11%
DDH0714	DDH 002366	178.925	179.905	1547	786	173	545	110	11	101	19	126	28	85	13	79	11	825	4457	1286	3171	28.85%
DDH0714	DDH 002367	179.905	180.885	893	456	96	326	68	6	58	12	76	17	51	8	50	7	482	2607	760	1847	29.16%
DDH0714	DDH 002368	180.885	181.865	1168	606	130	442	86	9	81	16	100	22	68	10	65	8	638	3450	1008	2441	29.23%
DDH0714	DDH 002369	181.865	182.83	1289	660	147	503	99	9	90	17	108	24	74	11	68	9	706	3816	1108	2708	29.03%
DDH0714	DDH 002370	182.83	183.76	1351	676	155	520	101	10	90	17	111	25	76	11	72	9	732	3955	1143	2812	28.91%
DDH0714	DDH 002371	183.76	184.735	1756	911	194	649	127	12	120	23	147	32	100	15	93	13	952	5147	1496	3651	29.06%
DDH0714	DDH 002372	184.735	185.7	1596	789	176	600	117	12	111	21	137	30	94	14	88	12	862	4659	1368	3291	29.35%
DDH0714	DDH 002373	185.7	186.67	1277	640	143	458	93	9	85	16	106	24	72	11	68	9	684	3696	1075	2620	29.10%
DDH0714	DDH 002374	186.67	187.64	2603	1290	284	906	196	19	175	36	247	51	162	24	151	20	1399	7564	2266	5298	29.96%
DDH0714	DDH 002375	187.64	188.62	3033	1513	332	1087	232	22	205	42	271	63	189	29	178	23	1639	8858	2639	6220	29.79%
DDH0714	DDH 002377	188.62	189.57	1621	804	176	592	121	12	108	21	133	30	90	14	85	12	867	4685	1360	3325	29.02%
DDH0714	DDH 002378	189.57	190.53	1240	645	141	487	96	9	88	16	110	23	71	11	69	9	685	3703	1083	2620	29.25%
DDH0714	DDH 002379	190.53	191.51	1363	686	149	503	99	10	95	18	117	26	78	12	77	10	736	3978	1169	2809	29.39%
DDH0714	DDH 002380	191.51	192.46	803	415	89	286	58	6	53	10	63	14	45	7	44	6	431	2330	673	1657	28.89%
DDH0714	DDH 002381	192.46	193.435	1412	696	157	507	97	10	90	17	113	26	78	12	75	10	749	4050	1171	2879	28.93%
DDH0714	DDH 002382	193.435	194.435	2456	1255	269	876	183	18	184	33	211	48	150	23	141	19	1332	7199	2142	5057	29.75%
DDH0714	DDH 002383	194.435	195.395	1695	841	179	595	129	12	118	23	148	34	102	16	97	13	908	4908	1458	3450	29.70%
DDH0714	DDH 002384	195.395	196.245	1339	690	147	475	96	9	88	16	105	23	70	11	68	9	714	3860	1104	2755	28.61%
DDH0714	DDH 002385	196.245	197.145	1388	686	152	473	100	10	92	18	119	26	81	12	77	11	737	3983	1174	2809	29.48%
DDH0714	DDH 002386	197.145	198.095	1289	663	146	479	97	10	92	18	119	27	81	12	74	10	708	3827	1142	2685	29.85%
DDH0714	DDH 002388	198.095	199.055	4126	2111	465	1469	308	31	288	57	372	81	264	41	249	33	2246	12142	3632	8511	29.91%
DDH0714	DDH 002389	199.055	200.035	4740	2358	512	1679	344	35	316	62	421	91	283	43	263	36	2539	13722	4054	9668	29.54%
DDH0714	DDH 002390	200.035	201.005	2984	1525	331	1131	224	22	217	40	265	62	180	28	172	24	1635	8840	2623	6217	29.67%
DDH0714	DDH 002391	201.005	201.995	2959	1478	333	1082	223	22	214	40	274	59	182	28	170	23	1609	8696	2599	6097	29.88%
DDH0714	DDH 002392	201.995	202.965	2075	1055	232	756	154	15	143	28	178	41	127	19	122	16	1126	6086	1800	4286	29.57%
DDH0714	DDH 002393	202.965	203.94	1830	921	202	667	139	13	129	26	171	38	118	18	110	15	998	5394	1623	3771	30.08%
DDH0714	DDH 002394	203.94	204.875	1363	693	153	504	103	10	97	18	122	28	84	13	81	11	744	4023	1197	2826	29.76%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002395	204.875	205.795	1375	744	151	468	88	9	71	13	82	18	53	8	51	7	712	3849	1015	2834	26.38%
DDH0714	DDH 002396	205.795	206.77	1314	646	145	492	96	9	88	17	110	25	74	11	73	10	706	3815	1112	2703	29.15%
DDH0714	DDH 002397	206.77	207.65	1100	570	119	389	77	7	67	12	80	18	54	8	50	7	581	3140	877	2263	27.94%
DDH0714	DDH 002399	207.65	208.605	1170	582	129	409	82	8	76	14	93	20	64	10	63	9	620	3349	969	2380	28.92%
DDH0714	DDH 002400	208.605	209.555	1474	730	161	545	107	11	97	19	123	27	85	13	77	11	789	4267	1241	3026	29.07%
DDH0714	DDH 002401	209.555	210.48	1535	787	172	570	113	11	104	19	126	28	88	13	81	11	830	4489	1301	3188	28.99%
DDH0714	DDH 002402	210.48	211.41	1277	645	144	452	94	9	88	16	105	24	74	11	68	9	685	3701	1080	2621	29.18%
DDH0714	DDH 002403	211.41	212.335	766	388	86	268	54	5	48	9	59	13	41	6	39	5	406	2195	627	1568	28.58%
DDH0714	DDH 002404	212.335	213.25	1523	772	168	585	115	11	106	20	135	30	92	14	87	12	833	4504	1330	3174	29.52%
DDH0714	DDH 002405	213.25	214.22	1621	813	179	596	116	12	108	21	138	31	94	14	90	12	873	4718	1382	3336	29.30%
DDH0714	DDH 002406	214.22	215.21	2161	1101	244	814	163	16	150	29	195	43	136	21	126	17	1184	6402	1902	4500	29.71%
DDH0714	DDH 002407	215.21	216.18	2444	1243	265	919	183	18	168	33	220	51	153	23	144	20	1336	7220	2148	5072	29.75%
DDH0714	DDH 002408	216.18	217.115	1817	951	203	665	129	13	120	23	154	34	105	16	98	13	985	5326	1548	3778	29.06%
DDH0714	DDH 002410	217.115	218.075	975	516	113	342	68	7	65	12	79	17	54	8	51	7	525	2839	818	2021	28.83%
DDH0714	DDH 002411	218.075	219.045	2026	1026	219	743	145	14	134	25	171	38	118	18	109	15	1090	5890	1718	4173	29.16%
DDH0714	DDH 002412	219.045	220.035	2186	1132	239	754	153	14	138	27	184	40	121	19	114	15	1166	6303	1824	4479	28.94%
DDH0714	DDH 002413	220.035	221.02	1719	903	185	631	122	12	111	21	137	31	94	14	88	12	926	5005	1434	3571	28.65%
DDH0714	DDH 002414	221.02	222	1071	547	118	372	73	7	65	12	79	18	54	8	54	7	564	3047	860	2187	28.22%
DDH0714	DDH 002415	222	222.94	1903	968	215	684	141	14	134	25	173	38	112	17	108	14	1032	5579	1654	3926	29.64%
DDH0714	DDH 002416	222.94	223.92	2358	1196	262	886	177	18	164	32	215	48	148	22	141	19	1291	6976	2079	4898	29.80%
DDH0714	DDH 002417	223.92	224.87	3082	1548	331	1096	233	23	240	41	280	68	202	30	179	25	1675	9053	2740	6314	30.26%
DDH0714	DDH 002418	224.87	225.78	3537	1806	387	1353	271	27	256	48	338	74	244	35	215	29	1957	10577	3196	7380	30.22%
DDH0714	DDH 002419	225.78	226.75	3058	1560	343	1107	235	23	226	42	297	67	194	31	203	25	1682	9093	2767	6326	30.43%
DDH0714	DDH 002421	226.75	226.75	1940	1017	216	715	140	13	129	25	172	37	117	18	112	15	1059	5726	1684	4042	29.41%
DDH0714	DDH 002422	226.75	227.73	2223	1127	243	795	158	16	150	29	199	44	134	21	124	17	1198	6476	1915	4562	29.57%
DDH0714	DDH 002423	227.73	228.68	1953	994	211	697	143	14	134	26	179	38	118	18	109	15	1055	5703	1692	4011	29.67%
DDH0714	DDH 002424	228.68	229.61	2333	1220	252	883	175	17	161	31	217	45	143	21	133	18	1283	6933	2053	4880	29.61%
DDH0714	DDH 002425	229.61	230.55	1768	896	197	625	132	13	122	24	160	35	109	17	103	14	957	5171	1539	3631	29.77%
DDH0714	DDH 002426	230.55	231.51	1903	964	208	717	141	13	127	24	160	35	108	16	100	14	1028	5558	1611	3947	28.98%
DDH0714	DDH 002427	231.51	231.49	1363	693	153	507	103	10	95	18	119	27	84	13	79	11	743	4018	1189	2829	29.59%
DDH0714	DDH 002428	231.49	233.47	1400	706	158	504	104	10	97	18	119	27	82	12	76	10	755	4080	1198	2883	29.35%
DDH0714	DDH 002429	233.47	234.405	1087	562	116	412	81	8	74	14	93	21	63	10	62	8	592	3202	937	2265	29.25%
DDH0714	DDH 002430	234.405	235.365	2247	1114	249	822	170	16	159	31	203	45	141	21	133	18	1219	6590	1970	4619	29.90%
DDH0714	DDH 002432	235.365	236.335	1572	807	176	592	118	12	111	21	138	31	95	15	91	13	861	4652	1374	3277	29.55%
DDH0714	DDH 002433	236.335	237.305	1202	608	134	457	88	9	83	16	104	23	71	11	71	10	655	3541	1043	2498	29.46%
DDH0714	DDH 002434	237.305	239.245	2210	1138	238	808	159	15	148	28	185	42	130	20	118	16	1193	6449	1881	4568	29.17%
DDH0714	DDH 002435	239.245	240.245	1867	929	198	663	125	12	115	22	140	31	95	15	88	12	979	5291	1497	3794	28.29%

Hole ID	Sample ID	From	To	CeO2 ppm	La2O3 ppm	Pr6O11 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb4O7 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Lu2O3 ppm	Y2O3 ppm	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
DDH0714	DDH 002436	240.245	241.145	2051	1038	223	795	154	15	138	27	183	40	122	19	115	15	1120	6056	1779	4277	29.38%
DDH0714	DDH 002437	241.145	242.145	1854	948	213	693	136	14	129	25	165	37	114	17	107	15	1014	5481	1624	3857	29.64%
DDH0714	DDH 002438	242.145	243	1916	937	204	694	132	13	118	23	148	33	100	15	93	13	1007	5444	1548	3896	28.44%
AVERAGE				**1637**	**842**	**183**	**625**	**124**	**12**	**113**	**21**	**139**	**30**	**92**	**14**	**85**	**11**	**892**	**4821**	**1398**	**3422**	**28.96%**

Appendix 4. Diamond drill holes DDH011-13 and DDH016-13 for all rare earth oxides

Hole ID	SAMPLE ID	To m	From m	Oxide Ce (ppm)	Oxide Dy (ppm)	Oxide Er (ppm)	Oxide Eu (ppm)	0xide Gd (ppm)	Oxide Ho (ppm)	Oxide La (ppm)	Oxide Lu (ppm)	Oxide Nd (ppm)	Oxide Pr (ppm)	Oxide Sm (ppm)	Oxide Tb (ppm)	Oxide Tm (ppm)	Oxide Y (ppm)	Oxide Yb (ppm)	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
011-13	**011-13 1**	0	0.9	3129	262	180	20	212	58	1552	23	1096	336	212	40	27	1506	175	8828	2484	6345	28.13%
011-13	**011-13 2**	0.9	2	1196	87	58	7	74	19	599	8	416	127	77	14	9	513	56	3260	838	2423	25.70%
011-13	**011-13 3**	2	3	1443	103	69	8	88	22	713	9	500	155	94	16	9	612	65	3906	993	2914	25.41%
011-13	**011-13 4**	3	4	1592	109	72	9	92	24	793	10	548	167	100	17	9	660	71	4272	1064	3209	24.90%
011-13	**011-13 5**	4	5	1475	114	75	9	97	25	724	10	520	157	99	17	14	671	75	4082	1098	2984	26.90%
011-13	**011-13 6**	5	6	1687	131	89	10	106	29	868	12	582	178	110	20	14	782	88	4706	1271	3435	27.01%
011-13	**011-13 7**	6	7	1882	156	104	12	129	34	910	14	688	204	133	24	14	899	104	5307	1478	3829	27.84%
011-13	**011-13 8**	7	8	2931	255	169	19	198	55	1401	22	1067	315	209	39	23	1417	166	8287	2344	5942	28.29%
011-13	**011-13 9**	8	9	1341	88	57	7	74	19	666	7	461	140	85	14	9	523	56	3548	848	2700	23.90%
011-13	**011-13 10**	9	10.1	1126	75	48	6	65	16	566	6	388	118	71	12	9	437	47	2990	714	2276	23.88%
011-13	**011-13 11**	10.6	12	2978	257	174	20	207	57	1453	22	1060	319	206	39	27	1471	170	8460	2424	6036	28.65%
011-13	**011-13 12**	12	13.6	2554	212	143	16	175	47	1219	18	930	280	181	32	23	1199	140	7169	1990	5179	27.75%
011-13	**011-13 13**	13.6	15	2072	164	110	13	138	36	1000	15	751	224	145	25	18	945	106	5762	1557	4205	27.02%
011-13	**011-13 14**	15	16	1226	92	61	7	78	20	606	8	441	134	83	14	9	528	58	3366	869	2498	25.81%
011-13	**011-13 15**	16	17	1327	96	64	8	83	21	658	8	463	140	85	15	9	574	63	3614	934	2681	25.83%
011-13	**011-13 16**	17	17.8	2252	180	119	14	148	40	1098	15	825	244	155	28	18	1034	116	6285	1698	4587	27.01%
011-13	**011-13 17**	17.8	18.5	1042	78	51	7	65	17	502	7	378	113	71	12	9	444	51	2848	735	2112	25.82%
011-13	**011-13 18**	18.5	19.5	1404	110	74	8	92	24	687	10	500	150	96	17	9	640	72	3894	1048	2846	26.92%
011-13	**011-13 19**	19.5	20.2	1400	110	74	8	88	24	699	10	499	150	95	16	9	640	72	3895	1043	2852	26.79%
011-13	**011-13 20**	20.2	20.8	1475	110	74	8	92	24	737	10	518	156	97	17	9	660	72	4059	1068	2991	26.32%
011-13	**011-13 21**	20.8	22	1465	114	74	9	97	25	711	10	526	155	99	17	9	676	73	4059	1094	2965	26.96%
011-13	**011-13 22**	22	23	1872	158	109	12	124	35	911	14	671	202	130	24	18	904	106	5290	1493	3797	28.22%
011-13	**011-13 23**	23	23.9	1904	153	102	12	124	33	919	13	672	202	126	23	14	886	99	5283	1448	3835	27.40%
011-13	**011-13 24**	23.9	25	1714	127	85	10	106	27	835	11	608	182	112	20	14	749	82	4683	1221	3462	26.08%
011-13	**011-13 25**	25	26	1236	94	63	7	78	21	615	8	434	130	81	14	9	541	61	3393	890	2503	26.23%

Hole ID	SAMPLE ID	To m	From m	Oxide Ce (ppm)	Oxide Dy (ppm)	Oxide Er (ppm)	Oxide Eu (ppm)	0xide Gd (ppm)	Oxide Ho (ppm)	Oxide La (ppm)	Oxide Lu (ppm)	Oxide Nd (ppm)	Oxide Pr (ppm)	Oxide Sm (ppm)	Oxide Tb (ppm)	Oxide Tm (ppm)	Oxide Y (ppm)	Oxide Yb (ppm)	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
011-13	011-13 26	26	27	1510	130	88	9	101	29	737	12	535	159	104	19	14	731	87	4266	1211	3055	28.39%
011-13	011-13 27	27	28	4351	390	270	28	300	87	2137	35	1545	460	300	59	41	2240	266	12511	3689	8822	29.49%
011-13	011-13 28	28	29.4	5024	449	310	31	350	100	2483	41	1796	535	354	68	46	2573	307	14467	4244	10223	29.33%
011-13	011-13 29	29.4	30	1585	133	90	9	106	29	795	12	555	170	106	20	14	762	89	4475	1255	3220	28.05%
011-13	011-13 31	30	32	1171	91	58	7	74	19	575	8	412	123	77	14	9	528	58	3223	859	2364	26.65%
011-13	011-13 32	32	33	2058	111	77	9	97	24	1120	10	637	203	108	18	9	721	76	5279	1144	4135	21.67%
011-13	011-13 33	33	34	1883	155	105	12	120	35	936	14	666	201	125	23	14	894	106	5288	1466	3822	27.72%
011-13	011-13 34	34	35	1464	118	80	9	92	27	737	11	518	157	99	18	14	686	81	4110	1126	2984	27.40%
011-13	011-13 35	35	36	1000	72	42	6	60	16	490	6	355	106	66	11	9	427	48	2714	691	2023	25.46%
011-13	011-13 36	36	37	1442	115	79	9	101	25	746	10	526	157	97	19	14	660	73	4074	1096	2978	26.90%
011-13	011-13 37	37	37.9	2698	234	161	17	194	52	1384	21	995	295	190	37	23	1293	153	7746	2168	5579	27.98%
011-13	011-13 38	37.9	39	2193	182	127	14	152	40	1139	17	798	233	148	29	18	1013	122	6227	1702	4525	27.33%
011-13	011-13 39	39	40	2105	177	123	13	148	39	1086	17	764	228	141	28	18	978	118	5985	1647	4338	27.52%
011-13	011-13 40	40	41	1301	99	67	8	83	22	683	9	475	143	85	16	9	554	64	3616	922	2693	25.51%
011-13	011-13 41	41	41.85	1151	87	59	7	74	19	600	8	423	124	77	14	9	505	57	3216	833	2383	25.91%
011-13	011-13 42	41.85	43	1227	96	66	7	83	22	640	9	448	132	82	16	9	559	63	3458	922	2536	26.66%
011-13	011-13 43	43	44	2013	173	120	13	143	38	1030	16	743	217	139	27	18	970	112	5773	1618	4155	28.02%
011-13	011-13 44	44	45.85	1254	95	67	7	78	21	657	9	447	133	82	15	9	554	64	3493	913	2580	26.14%
011-13	011-13 45	45.85	46	900	65	46	5	55	14	476	6	316	95	56	10	5	378	44	2472	625	1848	25.27%
011-13	011-13 46	46	47	1192	90	62	7	78	20	630	9	430	128	79	14	9	516	59	3322	856	2466	25.77%
011-13	011-13 47	47	48	1195	90	62	7	74	20	634	8	365	128	78	14	9	523	58	3265	857	2407	26.26%
011-13	011-13 48	48	49	1547	127	88	9	106	28	810	12	560	166	106	20	14	729	83	4404	1207	3197	27.41%
011-13	011-13 49	49	50	1641	117	78	9	106	26	844	10	596	178	106	19	14	671	73	4487	1113	3374	24.80%
011-13	011-13 50	50	50.7	1356	106	71	8	92	23	694	9	505	149	92	17	9	602	66	3799	995	2804	26.19%
011-13	011-13 51	50.7	52	1027	73	50	6	65	16	537	7	372	110	65	12	9	442	47	2838	721	2117	25.41%
011-13	011-13 52	52	53	2115	173	118	13	148	38	1081	15	769	232	141	27	18	980	110	5980	1628	4351	27.23%
011-13	011-13 53	53	53.7	1560	126	89	10	106	28	814	11	572	170	104	20	14	719	82	4427	1196	3231	27.02%
011-13	011-13 54	53.7	55	871	61	42	5	55	13	450	5	322	96	57	10	5	361	40	2393	592	1800	24.75%
011-13	011-13 55	55	56	1176	94	65	7	83	21	599	8	440	128	81	15	9	549	59	3334	903	2431	27.09%
011-13	011-13 56	56	57	1090	84	57	7	74	18	563	8	401	118	71	13	9	477	54	3043	794	2249	26.09%
011-13	011-13 57			1214	94	65	7	78	21	643	9	448	132	82	16	9	551	61	3429	904	2525	26.37%
011-13	011-13 58	57	58	2072	177	125	13	148	39	1061	17	781	226	146	28	18	1013	117	5982	1682	4300	28.12%
011-13	011-13 59	58	59	1349	107	73	8	88	23	690	10	495	145	89	17	9	602	69	3773	998	2775	26.45%
011-13	011-13 60	59	60	2134	173	121	13	143	38	1112	16	790	230	146	28	18	985	115	6062	1638	4424	27.03%

Hole ID	SAMPLE ID	To m	From m	Oxide Ce (ppm)	Oxide Dy (ppm)	Oxide Er (ppm)	Oxide Eu (ppm)	0xide Gd (ppm)	Oxide Ho (ppm)	Oxide La (ppm)	Oxide Lu (ppm)	Oxide Nd (ppm)	Oxide Pr (ppm)	Oxide Sm (ppm)	Oxide Tb (ppm)	Oxide Tm (ppm)	Oxide Y (ppm)	Oxide Yb (ppm)	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
011-13	**011-13 61**	60	60.5	2684	234	168	16	189	53	1439	22	988	289	183	37	23	1323	156	7804	2205	5599	28.25%
AVERAGE				**1738**	**139**	**95**	**10**	**115**	**31**	**875**	**12**	**622**	**186**	**117**	**22**	**14**	**800**	**91**	**4866**	**1318**	**3549**	**26.67%**

Hole ID	Sample ID	To m	From m	oxide Ce (ppm)	oxide Dy (ppm)	oxide Er (ppm)	oxide Eu (ppm)	0xide Gd (ppm)	oxide Ho (ppm)	oxide La (ppm)	oxide Lu (ppm)	oxide Nd (ppm)	oxide Pr (ppm)	oxide Sm (ppm)	oxide Tb (ppm)	oxide Tm (ppm)	oxide Y (ppm)	oxide Yb (ppm)	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
016-13	**016-13 1**	3	4	1978	173	117	14	134	35	950	15	764	208	144	25	18	975	108	5657	1600	4057	28.28%
016-13	**016-13 2**	4	5	2076	178	119	14	138	36	992	15	797	217	150	25	18	998	110	5884	1638	4246	27.84%
016-13	**016-13 3**	5	6	1231	110	74	8	88	22	636	10	496	137	93	16	9	630	69	3628	1028	2600	28.34%
016-13	**016-13 4**	6	7	1000	79	53	7	65	16	477	7	386	107	70	11	9	457	51	2794	748	2047	26.75%
016-13	**016-13 5**	7	8	1580	129	87	10	101	26	760	11	595	166	110	19	14	747	81	4434	1214	3221	27.37%
016-13	**016-13 6**	8	9	1883	166	112	13	129	33	909	15	714	198	135	24	14	945	104	5393	1541	3851	28.58%
016-13	**016-13 7**	9	10	1922	161	110	13	129	33	922	14	732	202	137	23	14	930	101	5442	1514	3928	27.82%
016-13	**016-13 8**	10	11	1215	98	65	8	78	20	584	9	461	128	86	14	9	564	61	3400	918	2482	27.00%
016-13	**016-13 9**	11	11.8	1158	88	58	7	69	17	561	7	433	121	79	13	9	505	55	3181	822	2358	25.86%
016-13	**016-13 10**	11.8	13	1075	86	58	7	69	17	521	7	402	113	74	13	9	495	54	3001	808	2192	26.94%
016-13	**016-13 11**	13	14	1376	101	65	8	83	20	650	8	526	145	94	15	9	582	59	3741	942	2799	25.18%
016-13	**016-13 12**	14	15	1241	92	59	8	74	18	592	7	474	132	85	13	9	541	55	3399	868	2531	25.54%
016-13	**016-13 13**	15	16	2096	179	120	14	138	36	997	15	801	219	148	25	18	1026	112	5945	1670	4275	28.10%
016-13	**016-13 14**	16	17	2002	162	110	13	129	33	957	14	758	210	140	24	14	932	101	5598	1518	4081	27.11%
016-13	**016-13 15**	17	17.9	1392	111	73	9	88	22	666	10	534	147	97	16	9	635	72	3882	1036	2846	26.68%
016-13	**016-13 16**	17.9	19	1547	129	83	10	101	25	731	10	590	162	110	18	14	731	77	4340	1190	3150	27.42%
016-13	**016-13 17**	19	20	1222	101	66	8	78	20	597	8	467	129	85	14	9	579	61	3445	937	2508	27.21%
016-13	**016-13 18**	20	21	1612	134	90	10	106	27	776	11	612	169	115	19	14	772	82	4550	1256	3295	27.59%
016-13	**016-13 19**	21	22	1776	154	105	12	120	31	854	13	685	186	128	22	14	899	96	5093	1453	3640	28.53%
016-13	**016-13 20**	22	23	1671	138	94	10	111	30	812	12	602	178	116	22	14	800	91	4699	1311	3388	27.89%
016-13	**016-13 21**	23	23.9	2120	177	123	14	143	39	1032	16	753	227	148	28	18	1051	118	6010	1715	4295	28.53%
016-13	**016-13 22**	23.9	25	1377	112	77	8	92	25	674	10	499	147	95	18	14	673	75	3897	1096	2801	28.12%
016-13	**016-13 23**	25	26	1735	141	97	10	115	31	848	12	618	185	119	23	14	858	93	4900	1385	3515	28.26%
016-13	**016-13 24**	26	27	1474	119	82	9	97	27	732	11	525	156	100	19	14	709	81	4154	1158	2996	27.89%
016-13	**016-13 25**	27	28	1262	98	67	7	78	22	622	9	446	133	83	16	9	577	65	3492	940	2552	26.91%
016-13	**016-13 26**	28	29	1863	155	107	12	124	34	918	14	675	201	129	24	18	907	104	5286	1488	3798	28.16%
016-13	**016-13 27**	29	29.8	4274	379	264	27	300	85	2070	34	1523	451	299	59	41	2199	253	12257	3614	8643	29.48%
016-13	**016-13 28**	29.8	31	3553	309	217	23	249	69	1749	29	1270	375	247	48	32	1836	212	10217	3001	7216	29.37%
016-13	**016-13 29**	31	32	1521	121	82	9	97	26	753	11	538	159	101	19	14	711	82	4243	1162	3081	27.39%

Hole ID	Sample ID	To m	From m	oxide Ce (ppm)	oxide Dy (ppm)	oxide Er (ppm)	oxide Eu (ppm)	0xide Gd (ppm)	oxide Ho (ppm)	oxide La (ppm)	oxide Lu (ppm)	oxide Nd (ppm)	oxide Pr (ppm)	oxide Sm (ppm)	oxide Tb (ppm)	oxide Tm (ppm)	oxide Y (ppm)	oxide Yb (ppm)	TOTAL REO	TOTAL HREO	TOTAL LREO	HEAVY REO %
016-13	**016-13 30**	32	33	1018	79	55	6	65	17	515	8	363	108	68	13	9	493	55	2871	793	2078	27.62%
016-13	**016-13 32**	33	34	1209	98	67	7	78	22	599	9	437	129	83	16	9	597	65	3426	960	2465	28.04%
016-13	**016-13 33**	34	35	1507	118	80	9	97	26	745	11	532	159	101	19	14	726	79	4223	1170	3053	27.70%
016-13	**016-13 34**	35	35.8	1569	134	94	9	106	30	774	12	556	167	108	21	14	790	92	4477	1294	3183	28.90%
016-13	**016-13 35**	35.8	36.7	1577	130	89	9	101	29	785	12	566	169	108	21	14	757	89	4455	1242	3214	27.87%
016-13	**016-13 36**	36.7	39.6	1308	101	71	8	83	22	652	10	456	138	87	16	9	620	69	3650	1001	2649	27.43%
016-13	**016-13 37**	39.6	40.5	3141	280	198	20	217	62	1535	25	1137	337	220	44	32	1651	191	9091	2700	6391	29.70%
016-13	**016-13 38**	40.5	41.95	2177	185	127	13	143	41	1067	17	783	226	146	29	18	1064	126	6161	1750	4411	28.40%
AVERAGE				**1723**	**143**	**98**	**11**	**114**	**30**	**838**	**13**	**635**	**182**	**120**	**22**	**15**	**837**	**93**	**4873**	**1364**	**3509**	**27.72%**

Appendix 5. Diamond drill holes DDH07-06 to DDH07-14 for all metal oxides and elements

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0706	DDH 00921	23.315	24.215	2.71	594	9.93	6.35	164
DDH0706	DDH 00922	24.215	25.16	1.46	339	9.58	7.83	106
DDH0706	DDH 00923	25.16	26.135	1.76	424	9.51	6.51	123
DDH0706	DDH 00925	26.135	27.09	2.23	509	12.31	5.66	156
DDH0706	DDH 00926	27.09	27.995	1.81	424	6.61	8.26	115
DDH0706	DDH 00927	27.995	28.955	2.46	509	6.26	8.57	172
DDH0706	DDH 00928	28.955	29.9	1.52	339	12.73	5.72	106
DDH0706	DDH 00929	29.9	30.78	0.91	170	8.39	7.52	82
DDH0706	DDH 00930	30.78	31.75	1.59	339	6.49	8.63	98
DDH0706	DDH 00931	31.75	32.73	4.13	933	8.67	5.82	262
DDH0706	DDH 00932	32.73	33.62	1.84	424	7.13	7.94	139
DDH0706	DDH 00933	33.62	34.585	1.95	424	7.13	8.15	131
DDH0706	DDH 00934	34.585	35.575	0.91	170	9.23	7.78	66
DDH0706	DDH 00936	35.575	36.48	1.43	339	6.56	8.47	90
DDH0706	DDH 00937	36.48	37.48	1.66	339	10.28	6.25	123
DDH0706	DDH 00938	37.48	38.48	1.86	424	8.11	6.46	115
DDH0706	DDH 00939	38.48	39.47	0.83	170	10.07	6.19	82
DDH0706	DDH 00940	39.47	40.4	1.18	254	7.69	7.67	74
DDH0706	DDH 00941	40.4	41.335	0.78	170	8.67	6.67	74
DDH0706	DDH 00942	41.335	42.275	1.13	254	10.14	6.40	90
DDH0706	DDH 00943	42.275	43.27	1.36	339	10.84	6.67	123
DDH0706	DDH 00944	43.27	44.215	1.26	254	9.23	7.83	106

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0706	DDH 00945	44.215	45.14	3.32	763	11.05	5.40	270
DDH0706	DDH 00947	45.14	46.11	2.98	678	8.60	6.30	229
DDH0706	DDH 00948	46.11	47.075	1.62	339	8.46	7.41	131
DDH0706	DDH 00949	47.075	48.04	1.35	339	5.81	9.00	123
DDH0706	DDH 00950	48.04	49.04	2.16	509	10.49	6.46	205
DDH0706	DDH 00951	49.04	50.04	3.28	763	8.74	6.51	254
DDH0706	DDH 00952	50.04	51.025	1.14	254	7.34	8.41	82
DDH0706	DDH 00953	51.025	52.01	1.26	254	7.48	8.04	90
DDH0706	DDH 00954	52.01	52.98	1.15	254	8.60	7.46	82
DDH0706	DDH 00955	52.98	53.955	0.32	85	5.90	8.15	33
DDH0706	DDH 00956	53.955	54.895	1.12	254	8.32	8.15	90
DDH0706	DDH 00958	54.895	55.85	1.02	254	10.28	7.62	82
DDH0706	DDH 00959	55.85	56.795	0.74	170	7.20	8.47	57
DDH0706	DDH 00960	56.795	57.73	1.03	254	6.48	8.52	82
DDH0706	DDH 00961	57.73	58.69	0.87	170	8.74	7.04	82
DDH0706	DDH 00962	58.69	59.65	0.7	170	8.88	7.36	66
DDH0706	DDH 00963	59.65	60.555	1.93	424	7.69	7.20	139
DDH0706	DDH 00964	60.555	61.51	0.16	85	8.88	9.05	25
DDH0706	DDH 00965	61.51	62.435	0.16	85	11.05	7.94	8
DDH0706	DDH 00966	62.435	63.365	0.32	85	9.44	8.89	33
DDH0706	DDH 00967	63.365	64.32	0.09	85	6.29	10.74	16
DDH0706	DDH 00969	64.32	35.275	0.26	85	9.44	8.47	25
DDH0706	DDH 00970	35.275	66.15	0.65	170	4.51	10.21	33
DDH0706	DDH 00971	66.15	67.12	1.76	339	7.90	7.99	90
DDH0706	DDH 00972	67.12	68.085	0.29	85	10.00	8.36	33
DDH0706	DDH 00973	68.085	69.035	0.8	170	6.41	7.78	49
DDH0706	DDH 00974	69.035	70.005	0.27	85	7.20	8.15	33
DDH0706	DDH 00975	70.005	70.965	0.06	85	6.66	8.63	33
AVERAGE				**1.35**	**309**	**8.47**	**7.62**	**101**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0707	DDH 001009	3.985	4.905	2.73	594	7.97	6.03	164

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0707	DDH 001010	4.905	5.86	3.97	848	7.62	5.61	213
DDH0707	DDH 001011	5.86	6.81	2.45	509	7.69	6.56	123
DDH0707	DDH 001013	6.81	7.73	1.85	424	8.74	7.52	98
DDH0707	DDH 001014	7.73	8.6	2.15	424	8.11	7.57	115
DDH0707	DDH 001015	8.6	9.575	3.14	678	8.67	6.51	188
DDH0707	DDH 001016	9.575	10.485	2.18	424	8.18	7.25	115
DDH0707	DDH 001017	10.485	11.4	2.58	509	9.09	6.40	139
DDH0707	DDH 001018	11.4	12.305	2.04	424	8.04	7.57	131
DDH0707	DDH 001019	12.305	13.235	2.39	509	8.67	6.88	139
DDH0707	DDH 001020	13.235	14.12	1.57	339	6.70	7.41	98
DDH0707	DDH 001021	14.12	15	1.71	424	9.16	6.14	123
DDH0707	DDH 001022	15	15.955	2.6	594	7.83	6.56	156
DDH0707	DDH 001024	15.955	16.905	1.93	424	7.69	7.25	106
DDH0707	DDH 001025	16.905	17.825	2.48	509	10.07	6.77	156
DDH0707	DDH 001026	17.825	18.765	2.21	509	9.30	7.04	131
DDH0707	DDH 001027	18.765	19.715	3.32	678	10.00	5.87	205
DDH0707	DDH 001028	19.715	20.68	2.78	594	11.19	5.56	172
DDH0707	DDH 001029	20.68	21.605	2.85	594	9.09	6.67	172
DDH0707	DDH 001030	21.605	22.56	2.45	594	10.70	5.56	164
DDH0707	DDH 001031	22.56	23.51	2.67	594	8.25	6.40	164
DDH0707	DDH 001032	23.51	24.49	1.09	254	8.67	6.83	82
DDH0707	DDH 001033	24.49	25.465	1.33	254	7.41	8.63	90
DDH0707	DDH 001035	25.465	26.445	1.24	254	5.72	8.68	82
DDH0707	DDH 001036	26.445	27.37	1.56	339	8.39	7.89	98
DDH0707	DDH 001037	27.37	28.35	2.33	509	12.03	5.08	147
DDH0707	DDH 001038	28.35	29.31	1.79	424	7.83	7.78	106
DDH0707	DDH 001039	29.31	30.25	1.5	339	9.65	8.04	90
DDH0707	DDH 001040	30.25	31.22	1.99	424	9.23	7.36	139
DDH0707	DDH 001041	31.22	32.145	1.59	339	6.02	9.53	106
DDH0707	DDH 001042	32.145	33.075	0.63	170	10.00	7.46	49
DDH0707	DDH 001043	33.075	34.03	0.99	254	11.05	7.04	74
DDH0707	DDH 001044	34.03	34.965	0.53	85	12.66	6.56	33
DDH0707	DDH 001046	34.965	35.945	0.76	170	11.33	7.04	66
DDH0707	DDH 001047	35.945	36.905	1.13	254	6.64	9.47	74
DDH0707	DDH 001048	36.905	37.86	3.9	848	8.11	6.40	254
DDH0707	DDH 001049	37.86	38.765	1.29	254	7.76	7.78	90
DDH0707	DDH 001050	38.765	39.675	1.49	254	7.06	8.47	90

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0707	DDH 001051	39.675	40.645	0.98	254	6.91	8.63	90
DDH0707	DDH 001052	40.645	41.635	1.4	339	5.08	8.89	90
DDH0707	DDH 001053	41.635	42.56	2.95	678	9.09	6.35	205
DDH0707	DDH 001054	42.56	43.54	1.95	424	7.13	7.20	123
DDH0707	DDH 001055	43.54	44.48	1.76	424	6.78	7.83	131
DDH0707	DDH 001057	44.48	45.42	2.56	594	7.27	7.30	180
DDH0707	DDH 001058	45.42	46.395	1.77	424	7.83	7.78	123
DDH0707	DDH 001059	46.395	47.355	1.72	339	7.76	7.36	123
DDH0707	DDH 001060	47.355	48.325	1.74	424	8.32	7.46	139
DDH0707	DDH 001061	48.325	49.295	2.27	509	9.30	7.25	180
DDH0707	DDH 001062	49.295	50.265	1.59	339	8.53	7.67	123
DDH0707	DDH 001063	50.265	51.2	1.55	339	6.99	8.63	115
DDH0707	DDH 001064	51.2	52.16	4.14	933	8.60	5.40	287
DDH0707	DDH 001065	52.16	53.145	2.51	594	10.21	5.61	188
DDH0707	DDH 001066	53.145	54.065	1.18	254	8.74	8.20	98
DDH0707	DDH 001068	54.065	55.015	1.65	424	7.48	7.73	115
DDH0707	DDH 001069	55.015	55.98	2.29	509	10.77	6.25	164
DDH0707	DDH 001070	55.98	56.93	4.2	933	8.18	5.35	295
DDH0707	DDH 001071	56.93	57.82	1.1	254	4.41	10.32	82
DDH0707	DDH 001072	57.82	58.8	2.2	509	7.27	7.78	139
DDH0707	DDH 001073	58.8	59.745	1.93	424	6.46	8.10	139
DDH0707	DDH 001074	59.745	60.7	1.67	424	9.51	6.99	131
DDH0707	DDH 001075	60.7	61.66	1.09	254	9.72	8.52	90
DDH0707	DDH 001076	61.66	62.595	1.46	339	10.63	6.09	98
DDH0707	DDH 001077	62.595	63.485	1.3	339	9.51	6.14	98
DDH0707	DDH 001079	63.485	64.445	0.74	170	13.29	5.35	57
DDH0707	DDH 001080	64.445	65.405	1.59	339	10.42	5.35	131
DDH0707	DDH 001081	65.405	66.295	1.12	254	8.53	5.93	82
DDH0707	DDH 001082	66.295	67.27	1.36	339	8.60	7.20	115
DDH0707	DDH 001083	67.27	68.25	0.6	85	10.35	7.52	41
DDH0707	DDH 001084	68.25	69.18	0.55	85	14.27	4.79	33
DDH0707	DDH 001085	69.18	70.165	1.19	254	11.47	6.67	82
DDH0707	DDH 001086	70.165	71.125	0.31	- 85	9.65	8.26	16
DDH0707	DDH 001087	71.125	72.05	0.58	85	9.09	8.41	49
DDH0707	DDH 001088	72.05	73.015	0.58	85	8.81	8.15	41
DDH0707	DDH 001090	73.015	73.99	0.37	- 85	7.69	8.94	8
DDH0707	DDH 001091	73.99	74.92	0.36	- 85	9.09	7.94	25

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0707	DDH 001092	74.92	75.91	0.87	170	7.06	9.26	49
DDH0707	DDH 001093	75.91	76.895	0.93	170	7.13	9.31	57
DDH0707	DDH 001094	76.895	77.815	0.63	85	12.10	6.30	33
DDH0707	DDH 001095	77.815	78.725	1.51	339	8.60	7.99	90
DDH0707	DDH 001096	78.725	79.695	0.52	85	13.92	5.61	25
DDH0707	DDH 001097	79.695	80.64	0.86	170	7.69	8.68	66
DDH0707	DDH 001098	80.64	81.52	1.22	254	6.16	8.63	90
DDH0707	DDH 001099	81.52	82.49	1.16	254	6.40	8.52	74
DDH0707	DDH 001100	82.49	83.39	1.02	254	6.14	9.42	74
DDH0707	DDH 001101	83.39	84.32	1.35	339	7.48	8.73	98
DDH0707	DDH 001102	84.32	85.27	0.76	170	6.79	9.79	49
DDH0707	DDH 001103	85.27	86.2	1.07	254	8.46	7.83	82
DDH0707	DDH 001104	86.2	87.11	0.95	170	7.06	9.16	66
DDH0707	DDH 001105	87.11	88	0.73	170	11.12	6.62	49
DDH0707	DDH 001106	88	88.95	0.59	85	11.75	6.72	33
DDH0707	DDH 001107	88.95	89.88	0.76	170	7.27	8.47	66
DDH0707	DDH 001108	89.88	90.825	1.33	339	5.37	9.79	90
DDH0707	DDH 001109	90.825	91.775	0.63	170	8.11	9.26	49
DDH0707	DDH 001112	91.775	92.76	0.18	85	8.74	9.00	16
DDH0707	DDH 001113	92.76	93.73	0.19	85	8.53	7.99	16
DDH0707	DDH 001114	93.73	94.72	0.21	85	6.66	9.47	16
DDH0707	DDH 001115	94.72	95.66	0.15	85	6.74	9.26	8
DDH0707	DDH 001116	95.66	96.6	0.18	85	8.32	8.04	16
DDH0707	DDH 001117	96.6	97.525	0.26	85	10.77	7.20	8
DDH0707	DDH 001118	97.525	98.485	0.46	85	7.34	7.73	25
DDH0707	DDH 001119	98.485	99.415	0.36	85	6.30	8.10	25
DDH0707	DDH 001120	99.415	100.405	0.93	254	8.74	6.72	66
DDH0707	DDH 001121	100.405	101.395	0.16	85	7.13	7.52	16
DDH0707	DDH 001123	101.395	102.375	1.28	254	9.51	6.40	66
DDH0707	DDH 001124	102.375	103.315	0.88	170	5.97	7.99	49
AVERAGE				**1.50**	**327.9**	**8.57**	**7.47**	**99.4**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0708	DDH 001134	4.375	5.295	2.19	509	6.57	8.63	106
DDH0708	DDH 001135	5.295	6.26	1.49	339	7.13	8.89	57
DDH0708	DDH 001136	6.26	7.175	2.6	594	8.04	7.30	115
DDH0708	DDH 001137	7.175	8.085	1.65	339	8.60	7.57	82
DDH0708	DDH 001138	8.085	9.025	1.55	339	7.20	8.47	90
DDH0708	DDH 001139	9.025	9.94	0.81	170	10.42	7.25	41
DDH0708	DDH 001140	9.94	10.865	0.96	254	9.86	7.14	57
DDH0708	DDH 001141	10.865	11.765	1.57	339	8.67	7.62	74
DDH0708	DDH 001142	11.765	12.625	2.3	509	8.04	7.62	106
DDH0708	DDH 001143	12.625	13.545	1.34	254	11.26	6.77	74
DDH0708	DDH 001145	13.545	14.48	1.77	424	8.04	7.94	106
DDH0708	DDH 001146	14.48	15.44	0.59	85	14.27	5.61	41
DDH0708	DDH 001147	15.44	16.35	1	254	11.54	6.03	74
DDH0708	DDH 001148	16.35	17.25	1.58	339	8.60	7.67	74
DDH0708	DDH 001149	17.25	18.16	2.61	594	6.93	7.52	139
DDH0708	DDH 001150	18.16	19.11	1.84	424	8.81	7.41	115
DDH0708	DDH 001151	19.11	20.08	1.38	339	8.39	7.89	82
DDH0708	DDH 001152	20.08	21	2.31	509	8.53	7.20	115
DDH0708	DDH 001153	21	21.93	2.25	509	6.94	8.10	131
DDH0708	DDH 001154	21.93	22.875	1.06	254	13.29	5.77	57
DDH0708	DDH 001156	22.875	23.805	0.89	170	13.36	5.61	25
DDH0708	DDH 001157	23.805	24.76	0.71	170	15.53	4.65	49
DDH0708	DDH 001158	24.76	25.725	2.15	509	7.62	7.83	115
DDH0708	DDH 001159	25.725	26.695	2.31	509	7.20	7.99	123
DDH0708	DDH 001160	26.695	27.655	1.83	424	10.56	6.40	98
DDH0708	DDH 001161	27.655	28.625	1.59	339	9.44	6.88	90
DDH0708	DDH 001162	28.625	29.6	2.3	509	9.30	6.30	115
DDH0708	DDH 001163	29.6	30.51	1.12	254	12.66	6.03	74
DDH0708	DDH 001164	30.51	31.48	2.67	678	7.83	7.30	172
DDH0708	DDH 001165	31.48	32.455	2.13	509	9.86	6.56	123
DDH0708	DDH 001167	32.455	33.38	1.75	424	9.72	6.40	98
DDH0708	DDH 001168	33.38	34.335	1.15	254	10.14	6.72	57
DDH0708	DDH 001169	34.335	35.265	1.16	254	10.49	6.56	74
DDH0708	DDH 001170	35.265	36.235	1.03	254	10.14	6.30	66
DDH0708	DDH 001171	36.235	37.255	1.83	424	7.41	7.62	106
DDH0708	DDH 001172	37.255	38.125	1.64	339	10.70	6.51	98
DDH0708	DDH 001173	38.125	39	1.01	254	9.51	7.04	66

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0708	DDH 001174	39	39.965	1.78	424	8.81	7.14	106
DDH0708	DDH 001175	39.965	40.925	1.75	424	9.58	6.83	98
DDH0708	DDH 001176	40.925	41.9	3.28	763	8.81	6.30	188
DDH0708	DDH 001178	41.9	42.845	1.59	339	8.18	7.67	74
DDH0708	DDH 001179	42.845	43.79	2.37	509	5.66	8.73	123
DDH0708	DDH 001180	43.79	44.73	3.51	763	7.62	6.77	188
DDH0708	DDH 001181	44.73	45.645	3.95	933	8.39	5.29	213
DDH0708	DDH 001182	45.645	46.585	1.79	424	10.07	7.09	115
DDH0708	DDH 001183	46.585	47.53	2.26	509	8.11	7.41	123
DDH0708	DDH 001184	47.53	48.435	2.1	509	8.81	7.67	123
DDH0708	DDH 001185	48.435	49.375	2.69	594	7.97	7.36	147
DDH0708	DDH 001186	49.375	50.335	3.47	763	7.97	6.77	180
DDH0708	DDH 001187	50.335	51.28	2.44	594	7.62	7.52	123
DDH0708	DDH 001189	51.28	52.24	1.62	339	8.04	7.73	74
DDH0708	DDH 001190	52.24	53.016	1.63	339	8.67	7.41	90
DDH0708	DDH 001191	53.016	54.02	3.58	763	6.95	7.09	180
DDH0708	DDH 001192	54.02	54.93	2.81	594	8.60	6.56	139
DDH0708	DDH 001193	54.93	55.885	3.33	763	8.88	6.09	172
DDH0708	DDH 001194	55.885	56.845	3.96	848	7.90	6.51	205
DDH0708	DDH 001195	56.845	57.81	2.18	509	7.83	7.67	106
DDH0708	DDH 001196	57.81	58.76	2.01	424	6.51	8.57	98
DDH0708	DDH 001197	58.76	59.69	1.92	424	7.76	8.20	90
DDH0708	DDH 001198	59.69	60.55	1.23	254	8.46	7.25	82
DDH0708	DDH 001200	60.55	61.46	1.74	339	8.88	7.73	98
DDH0708	DDH 001201	61.46	62.39	2.33	509	6.78	8.47	123
DDH0708	DDH 001202	62.39	63.27	1.67	339	7.83	8.26	106
DDH0708	DDH 001203	63.27	64.18	0.88	170	12.66	6.19	66
DDH0708	DDH 001204	64.18	65.11	0.53	85	15.18	5.66	33
DDH0708	DDH 001205	65.11	66.01	0.9	170	14.90	5.50	57
DDH0708	DDH 001206	66.01	66.89	1.14	254	7.76	7.14	82
DDH0708	DDH 001207	66.89	67.78	1.5	339	10.21	5.45	98
DDH0708	DDH 001208	67.78	68.695	0.85	170	8.18	7.57	74
DDH0708	DDH 001209	68.695	69.635	0.8	170	9.23	6.77	66
DDH0708	DDH 001211	69.635	70.565	0.92	170	8.32	7.57	57
DDH0708	DDH 001212	70.565	71.525	1.05	254	8.11	7.67	74
DDH0708	DDH 001213	71.525	72.435	0.98	254	11.19	5.98	82
DDH0708	DDH 001214	72.435	73.405	1.07	254	6.36	7.89	82

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0708	DDH 001215	73.405	74.375	0.89	170	5.60	7.99	66
DDH0708	DDH 001216	74.375	75.285	1.46	339	6.04	7.52	106
DDH0708	DDH 001217	75.285	76.265	0.95	254	6.63	7.67	66
DDH0708	DDH 001218	76.265	77.185	1.03	254	6.36	7.78	74
DDH0708	DDH 001219	77.185	78.09	1.56	339	7.62	7.52	98
DDH0708	DDH 001220	78.09	79.06	1.27	254	7.48	7.52	74
DDH0708	DDH 001222	79.06	79.975	1.98	424	6.98	7.62	115
DDH0708	DDH 001223	79.975	80.96	1.89	424	6.40	7.78	106
DDH0708	DDH 001224	80.96	81.895	1.47	339	8.46	6.67	90
DDH0708	DDH 001225	81.895	82.89	0.77	170	12.17	5.45	57
DDH0708	DDH 001226	82.89	83.885	1.21	254	8.39	7.41	66
DDH0708	DDH 001227	83.885	84.83	0.91	170	13.43	4.79	66
DDH0708	DDH 001228	84.83	85.8	1.64	339	10.77	6.35	98
DDH0708	DDH 001229	85.8	86.765	1.37	254	9.51	7.36	82
DDH0708	DDH 001230	86.765	87.69	1.14	254	9.30	7.04	66
DDH0708	DDH 001231	87.69	88.66	1.17	254	10.63	6.56	66
DDH0708	DDH 001233	88.66	89.645	1.66	339	5.97	8.10	90
DDH0708	DDH 001234	89.645	90.53	1.84	424	10.84	6.35	106
DDH0708	DDH 001235	90.53	91.49	1.82	339	9.44	6.77	106
DDH0708	DDH 001236	91.49	92.455	1.56	339	8.18	7.99	74
DDH0708	DDH 001237	92.455	93.375	0.56	85	13.85	5.50	33
DDH0708	DDH 001238	93.375	94.34	1.19	254	7.97	7.83	57
DDH0708	DDH 001239	94.34	95.315	1.54	339	9.09	7.04	74
DDH0708	DDH 001240	95.315	96.245	1.93	424	8.46	7.25	98
DDH0708	DDH 001241	96.245	97.225	0.5	85	12.31	6.30	25
DDH0708	DDH 001242	97.225	98.195	1.11	170	9.44	6.99	57
DDH0708	DDH 001244	98.195	99.05	1.35	254	7.20	7.57	82
DDH0708	DDH 001245	99.05	99.965	1.01	254	7.06	7.36	57
DDH0708	DDH 001246	99.965	100.92	1.44	339	7.06	6.88	90
DDH0708	DDH 001247	100.92	101.875	2.63	594	7.97	6.51	147
DDH0708	DDH 001248	101.875	102.825	2.71	594	4.51	6.25	147
DDH0708	DDH 001249	102.825	103.745	4.76	1,018	7.55	3.20	262
DDH0708	DDH 001250	103.745	104.695	1.29	254	7.83	7.57	74
DDH0708	DDH 001251	104.695	105.66	1.4	254	5.76	8.63	82
DDH0708	DDH 001252	105.66	106.645	1.68	339	7.20	8.31	98
DDH0708	DDH 001253	106.645	107.63	2.25	509	10.49	6.67	115
DDH0708	DDH 001255	107.63	108.59	2.31	509	11.33	6.35	123

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0708	DDH 001256	108.59	109.47	1.01	170	9.65	7.83	49
DDH0708	DDH 001257	109.47	110.385	1.5	339	6.36	8.63	74
DDH0708	DDH 001258	110.385	111.285	2.79	594	7.13	7.04	156
DDH0708	DDH 001259	111.285	112.235	2.91	678	8.39	6.67	172
DDH0708	DDH 001260	112.235	113.19	1.68	339	6.69	8.36	98
DDH0708	DDH 001261	113.19	114.085	2.07	424	6.57	8.57	131
DDH0708	DDH 001262	114.085	115.04	2.41	509	6.99	8.36	139
DDH0708	DDH 001263	115.04	116.015	2.43	509	7.62	7.36	139
DDH0708	DDH 001264	116.015	116.945	2.2	509	7.48	7.78	123
DDH0708	DDH 001266	116.945	117.935	2.05	424	5.66	8.68	106
DDH0708	DDH 001267	117.935	118.92	2.24	509	5.73	8.36	131
DDH0708	DDH 001268	118.92	119.91	2.29	509	6.37	8.10	139
DDH0708	DDH 001269	119.91	120.85	2.84	678	6.91	7.41	156
DDH0708	DDH 001270	120.85	121.765	3.64	848	9.02	6.03	197
DDH0708	DDH 001271	121.765	122.745	2.86	678	11.68	5.29	156
AVERAGE				**1.79**	**396**	**8.76**	**7.12**	**101**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0709	DDH 001328	3.645	4.565	0.6	170	4.13	8.57	41
DDH0709	DDH 001329	4.565	5.5	0.21	85	2.22	9.21	16
DDH0709	DDH 001330	5.5	6.4	1.55	339	6.28	8.15	82
DDH0709	DDH 001332	6.4	7.26	1.6	339	9.37	7.20	90
DDH0709	DDH 001333	7.26	8.14	2.97	678	6.06	7.83	139
DDH0709	DDH 001334	8.14	9.02	1.66	339	9.37	7.04	82
DDH0709	DDH 001335	9.02	9.935	2.2	509	8.11	7.46	106
DDH0709	DDH 001336	9.935	10.795	1.33	254	13.22	5.40	66
DDH0709	DDH 001337	10.795	11.74	1.96	424	6.32	8.20	98
DDH0709	DDH 001338	11.74	12.66	1.64	339	4.89	8.26	90
DDH0709	DDH 001339	12.66	13.59	2.54	509	7.34	7.73	131
DDH0709	DDH 001340	13.59	14.515	1.65	339	9.51	7.04	82
DDH0709	DDH 001341	14.515	15.445	1.42	254	7.27	7.89	66
DDH0709	DDH 001343	15.445	16.315	1.56	339	5.76	7.62	90
DDH0709	DDH 001344	16.315	17.265	1.95	424	5.87	8.94	90
DDH0709	DDH 001345	17.265	18.16	0.71	170	9.37	7.46	33

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0709	DDH 001346	18.16	19.08	0.75	170	12.31	6.03	33
DDH0709	DDH 001347	19.08	19.93	1.02	254	10.49	7.25	41
DDH0709	DDH 001348	19.93	20.875	0.78	170	9.58	7.73	33
DDH0709	DDH 001349	20.875	21.705	0.78	170	8.18	8.41	33
DDH0709	DDH 001350	21.705	22.665	0.76	170	8.67	7.89	41
DDH0709	DDH 001351	22.665	23.615	1.56	339	7.41	8.26	74
DDH0709	DDH 001352	23.615	24.55	1.47	339	8.11	7.52	74
DDH0709	DDH 001354	24.55	25.545	0.82	170	7.76	7.94	41
DDH0709	DDH 001355	25.545	26.495	0.5	85	8.67	7.57	16
DDH0709	DDH 001356	26.495	27.445	0.48	85	8.32	7.83	25
DDH0709	DDH 001357	27.445	28.39	0.57	85	9.37	7.73	16
DDH0709	DDH 001358	28.39	29.325	1.02	170	12.38	6.14	41
DDH0709	DDH 001359	29.325	30.185	0.62	85	9.44	7.46	25
DDH0709	DDH 001360	30.185	31.14	1.04	170	9.51	7.46	41
DDH0709	DDH 001361	31.14	32.015	1.03	170	9.37	7.46	49
DDH0709	DDH 001362	32.015	32.985	1.58	339	6.76	8.47	74
DDH0709	DDH 001363	32.985	33.95	1.66	339	5.92	9.26	90
DDH0709	DDH 001365	33.95	34.94	1.91	424	6.41	8.52	90
DDH0709	DDH 001366	34.94	35.91	1.69	339	6.29	8.63	90
DDH0709	DDH 001367	35.91	36.855	1.77	339	6.87	8.36	90
DDH0709	DDH 001368	36.855	37.845	2.04	424	5.12	8.63	106
DDH0709	DDH 001369	37.845	38.76	2.09	424	6.66	7.89	106
DDH0709	DDH 001370	38.76	39.68	2.41	509	6.92	7.83	106
DDH0709	DDH 001371	39.68	40.65	2.72	594	6.34	7.73	147
DDH0709	DDH 001372	40.65	41.64	2.68	509	6.62	7.57	131
DDH0709	DDH 001373	41.64	42.57	3.58	763	6.76	7.30	172
DDH0709	DDH 001374	42.57	43.505	2.97	594	6.23	7.62	156
DDH0709	DDH 001376	43.505	44.455	4.88	1,018	6.10	6.77	246
DDH0709	DDH 001377	44.455	45.365	5.03	1,018	6.27	6.19	254
DDH0709	DDH 001378	45.365	46.33	4.55	933	6.85	6.09	229
DDH0709	DDH 001379	46.33	47.285	5.06	1,018	7.27	5.72	254
DDH0709	DDH 001380	47.285	48.18	3.27	678	6.51	7.09	172
DDH0709	DDH 001381	48.18	49.165	3.01	678	8.18	6.72	156
DDH0709	DDH 001382	49.165	50.125	3.16	678	7.06	7.36	147
DDH0709	DDH 001383	50.125	51.095	4.21	848	7.97	5.87	221
DDH0709	DDH 001384	51.095	52.04	3.58	763	7.41	6.77	172
DDH0709	DDH 001385	52.04	52.955	3.6	763	8.46	5.82	180

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0709	DDH 001387	52.955	53.935	1.49	339	10.14	6.67	57
DDH0709	DDH 001388	53.935	54.84	1.54	339	7.41	7.67	66
DDH0709	DDH 001389	54.84	55.795	2.02	424	9.02	6.77	98
DDH0709	DDH 001390	55.795	56.745	1.09	254	6.82	7.62	57
DDH0709	DDH 001391	56.745	57.7	1.7	339	6.73	7.83	82
DDH0709	DDH 001392	57.7	58.665	2.85	594	6.99	7.04	139
DDH0709	DDH 001393	58.665	59.585	3.14	678	8.39	6.19	147
DDH0709	DDH 001394	59.585	60.51	1.23	254	9.16	7.36	66
DDH0709	DDH 001395	60.51	61.505	1.22	254	9.72	6.93	66
DDH0709	DDH 001396	61.505	62.43	1.64	339	8.32	7.57	90
DDH0709	DDH 001398	62.43	63.335	1.38	254	6.99	9.10	82
DDH0709	DDH 001399	63.335	64.3	1	254	10.42	7.46	66
DDH0709	DDH 001400	64.3	65.21	1.19	254	10.91	6.40	49
DDH0709	DDH 001401	65.21	66.13	1.91	339	8.32	7.30	98
DDH0709	DDH 001402	66.13	67.105	1.54	339	8.46	7.25	82
DDH0709	DDH 001403	67.105	68.075	1.53	339	11.89	5.82	90
DDH0709	DDH 001404	68.075	69	1.49	339	8.46	7.09	74
DDH0709	DDH 001405	69	69.95	1.95	424	6.88	7.73	106
DDH0709	DDH 001406	69.95	70.82	1.63	339	7.06	7.78	90
DDH0709	DDH 001407	70.82	71.815	2.24	509	8.46	6.51	106
DDH0709	DDH 001409	71.815	72.79	1.72	339	8.67	6.67	98
DDH0709	DDH 001410	72.79	73.75	1.62	339	8.46	6.67	98
DDH0709	DDH 001411	73.75	74.705	0.88	170	11.26	5.56	57
DDH0709	DDH 001412	74.705	75.61	1.91	424	10.49	6.19	106
DDH0709	DDH 001413	75.61	76.6	2.06	424	7.90	7.62	106
AVERAGE				**1.90**	**398**	**7.96**	**7.38**	**96**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0710	DDH 001523	3.08	4.02	1.61	339	7.69	7.04	82
DDH0710	DDH 001524	4.02	4.94	1.93	424	9.51	7.09	98
DDH0710	DDH 001525	4.94	5.88	2.04	424	7.97	7.46	115
DDH0710	DDH 001526	5.88	6.77	1.26	254	7.13	9.00	74
DDH0710	DDH 001527	6.77	7.695	1.22	254	10.00	6.83	57
DDH0710	DDH 001528	7.695	8.64	2.19	424	6.62	8.15	115

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0710	DDH 001530	8.64	9.55	3.84	848	7.76	6.14	188
DDH0710	DDH 001531	9.55	10.49	2.79	594	9.93	6.14	156
DDH0710	DDH 001532	10.49	11.455	1.25	254	12.73	5.98	66
DDH0710	DDH 001533	11.455	12.39	2.16	424	8.88	7.14	115
DDH0710	DDH 001534	12.39	13.375	1.66	339	10.63	6.03	98
DDH0710	DDH 001535	13.375	14.345	2.47	509	9.72	6.35	139
DDH0710	DDH 001536	14.345	15.28	1.49	339	9.37	6.83	82
DDH0710	DDH 001537	15.28	16.235	3.64	763	6.55	6.93	197
DDH0710	DDH 001538	16.235	17.185	3.05	678	7.06	7.36	172
DDH0710	DDH 001539	17.185	18.135	1.69	339	8.46	7.20	90
DDH0710	DDH 001541	18.135	19.095	1.44	254	8.53	6.88	82
DDH0710	DDH 001542	19.095	20.07	1.59	339	13.50	4.55	98
DDH0710	DDH 001543	20.07	21	2.16	424	8.53	6.72	106
DDH0710	DDH 001544	21	21.91	1.78	424	7.90	6.88	98
DDH0710	DDH 001545	21.91	22.875	2.38	509	10.91	5.77	147
DDH0710	DDH 001546	22.875	23.825	2.2	509	10.98	6.19	131
DDH0710	DDH 001547	23.825	24.755	1.96	424	9.09	7.09	131
DDH0710	DDH 001548	24.755	25.735	2.68	594	9.58	6.46	164
DDH0710	DDH 001549	25.735	26.705	1.83	424	6.96	7.94	106
DDH0710	DDH 001550	26.705	27.665	0.88	170	8.74	7.46	49
DDH0710	DDH 001552	27.665	28.63	2.83	594	10.42	5.50	188
DDH0710	DDH 001553	28.63	29.565	3	678	11.96	5.45	205
DDH0710	DDH 001554	29.565	30.5	1.27	254	5.56	8.68	74
DDH0710	DDH 001555	30.5	31.48	2.32	509	6.89	7.89	164
DDH0710	DDH 001556	31.48	32.455	2.58	594	7.13	7.25	164
DDH0710	DDH 001557	32.455	33.36	1.18	254	6.77	8.57	66
DDH0710	DDH 001558	33.36	34.335	0.95	170	7.90	7.52	57
DDH0710	DDH 001559	34.335	35.31	0.98	170	10.14	6.46	57
DDH0710	DDH 001560	35.31	36.25	1.16	254	8.88	6.83	66
DDH0710	DDH 001561	36.25	37.16	1.08	254	8.04	7.46	66
DDH0710	DDH 001563	37.16	38.11	2.51	594	10.35	5.98	156
DDH0710	DDH 001564	38.11	39	1.59	339	8.95	7.04	106
DDH0710	DDH 001565	39	39.97	2.68	594	8.67	6.51	172
DDH0710	DDH 001566	39.97	40.96	1.32	339	8.81	7.46	90
DDH0710	DDH 001567	40.96	41.94	1.69	339	8.53	6.99	123
DDH0710	DDH 001568	41.94	42.9	1.57	339	9.86	7.20	106
DDH0710	DDH 001569	42.9	43.87	1.66	424	8.11	7.73	123

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0710	DDH 001570	43.87	44.84	2.3	509	9.30	6.03	147
DDH0710	DDH 001571	44.84	45.77	2.66	594	6.80	7.36	172
DDH0710	DDH 001572	45.77	46.745	1.57	339	9.23	7.25	115
DDH0710	DDH 001574	46.745	47.715	1.48	339	7.20	8.57	98
DDH0710	DDH 001575	47.715	48.68	2.57	594	6.35	8.04	172
DDH0710	DDH 001576	48.68	49.64	4.9	1,102	6.87	5.56	319
DDH0710	DDH 001577	49.64	50.595	3.24	763	7.69	6.67	221
DDH0710	DDH 001578	50.595	51.535	2.74	678	7.97	7.62	180
DDH0710	DDH 001579	51.535	52.505	1.97	424	6.76	8.41	131
DDH0710	DDH 001580	52.505	53.485	2.4	594	9.37	6.40	172
DDH0710	DDH 001581	53.485	54.46	2.13	509	9.23	6.83	156
DDH0710	DDH 001582	54.46	55.44	1.71	424	6.53	7.41	123
DDH0710	DDH 001583	55.44	56.405	3.56	848	6.57	6.35	237
DDH0710	DDH 001585	56.405	57.36	2.25	509	9.37	7.04	164
DDH0710	DDH 001586	57.36	58.34	0.85	170	6.62	8.79	57
DDH0710	DDH 001587	58.34	59.3	0.87	170	9.72	7.09	57
DDH0710	DDH 001588	59.3	60.265	1.74	424	8.04	7.25	131
DDH0710	DDH 001589	60.265	61.23	1.66	424	9.79	6.72	123
DDH0710	DDH 001590	61.23	62.12	2.48	594	8.60	6.99	188
DDH0710	DDH 001591	62.12	63	2.18	509	8.67	7.83	172
DDH0710	DDH 001592	63	63.93	1.66	339	8.18	7.83	123
DDH0710	DDH 001593	63.93	64.835	0.69	85	7.13	8.41	25
DDH0710	DDH 001594	64.835	65.815	0.79	170	9.65	7.04	49
DDH0710	DDH 001596	65.815	66.74	1.08	254	7.76	8.10	90
DDH0710	DDH 001597	66.74	67.69	1.32	254	8.39	7.89	98
DDH0710	DDH 001598	67.69	68.645	1.59	339	8.81	7.41	106
DDH0710	DDH 001599	68.645	69.6	1.01	170	10.63	7.04	57
DDH0710	DDH 001600	69.6	70.575	0.7	170	6.60	7.89	57
DDH0710	DDH 001601	70.575	71.57	1.1	254	6.99	8.26	98
DDH0710	DDH 001602	71.57	72.505	2.02	424	8.32	7.89	147
DDH0710	DDH 001603	72.505	73.465	2.96	678	11.05	5.21	221
DDH0710	DDH 001604	73.465	74.45	2.53	594	7.13	6.99	172
DDH0710	DDH 001605	74.45	75.405	2.19	509	8.53	7.14	147
DDH0710	DDH 001607	75.405	76.34	1.55	339	8.60	6.93	98
DDH0710	DDH 001608	76.34	77.33	1.08	254	9.58	6.62	74
DDH0710	DDH 001609	77.33	78.27	1.08	254	9.72	6.35	82
DDH0710	DDH 001610	78.27	79.22	1.98	424	9.51	6.19	147

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0710	DDH 001611	79.22	80.17	1.99	424	8.18	6.46	123
DDH0710	DDH 001612	80.17	81.07	1.13	254	7.34	7.04	90
DDH0710	DDH 001613	81.07	82.02	1.73	424	11.19	6.19	115
DDH0710	DDH 001614	82.02	83.005	1.73	424	6.29	8.63	115
DDH0710	DDH 001615	83.005	84	1.38	339	7.48	7.41	98
DDH0710	DDH 001616	84	84.93	1.12	254	9.30	7.04	82
DDH0710	DDH 001618	84.93	85.905	1.75	424	7.90	7.83	139
DDH0710	DDH 001619	85.905	86.895	1.46	339	5.81	8.15	123
DDH0710	DDH 001620	86.895	87.815	0.77	170	7.76	7.25	74
DDH0710	DDH 001621	87.815	88.78	1.42	339	9.30	6.93	106
DDH0710	DDH 001622	88.78	89.71	3.14	678	8.25	6.56	229
DDH0710	DDH 001623	89.71	90.635	2.46	594	7.20	7.52	197
DDH0710	DDH 001624	90.635	91.605	2.82	678	6.95	6.09	213
DDH0710	DDH 001625	91.605	92.575	2.01	424	5.24	8.84	147
DDH0710	DDH 001626	92.575	93.52	1.66	339	6.58	8.26	123
DDH0710	DDH 001627	93.52	94.485	1.44	339	6.39	8.04	98
DDH0710	DDH 001629	94.485	95.465	1.52	339	5.53	8.31	123
DDH0710	DDH 001630	95.465	96.39	0.47	85	7.62	7.25	41
DDH0710	DDH 001631	96.39	97.37	0.74	170	7.13	7.62	57
DDH0710	DDH 001632	97.37	98.32	1.19	254	8.39	7.41	74
DDH0710	DDH 001633	98.32	99.29	1.6	339	7.06	8.47	106
DDH0710	DDH 001634	99.29	100.26	2.52	594	6.58	6.62	188
DDH0710	DDH 001635	100.26	101.235	1.69	424	6.32	7.46	131
DDH0710	DDH 001636	101.235	102.205	1.97	424	8.81	6.35	147
DDH0710	DDH 001637	102.205	103.2	1.28	254	7.62	7.14	90
DDH0710	DDH 001638	103.2	104.155	0.76	170	6.57	8.26	66
DDH0710	DDH 001640	104.155	105.075	1.78	424	5.62	7.09	131
DDH0710	DDH 001641	105.075	106.005	0.28	85	10.00	8.52	33
DDH0710	DDH 001642	106.005	106.965	0.1	85	8.32	9.95	8
DDH0710	DDH 001643	106.965	107.92	0.23	85	8.88	9.21	16
DDH0710	DDH 001644	107.92	108.88	0.13	85	9.23	9.47	8
DDH0710	DDH 001645	108.88	109.85	0.39	85	6.92	9.53	25
DDH0710	DDH 001646	109.85	110.835	0.59	85	8.32	8.20	33
DDH0710	DDH 001647	110.835	111.8	0.24	85	8.04	8.20	16
DDH0710	DDH 001648	111.8	112.76	0.77	170	8.60	8.36	49
DDH0710	DDH 001649	112.76	113.74	0.54	85	3.53	12.38	41
DDH0710	DDH 001651	113.74	114.715	0.16	85	4.00	12.60	16

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0710	DDH 001652	114.715	115.685	0.07	85	5.52	11.33	16
DDH0710	DDH 001653	115.685	116.645	0.11	86	11.47	8.63	25
DDH0710	DDH 001654	116.645	117.56	0.19	85	9.09	9.74	41
DDH0710	DDH 001655	117.56	118.535	0.14	87	6.51	10.64	16
DDH0710	DDH 001656	118.535	119.51	0.23	85	8.88	9.00	8
DDH0710	DDH 001657	119.51	120.465	0.23	88	11.05	8.36	25
DDH0710	DDH 001658	120.465	121.45	0.84	170	8.46	8.31	49
DDH0710	DDH 001659	121.45	122.4	0.44	85	7.06	9.42	25
DDH0710	DDH 001660	122.4	123.355	0.31	85	8.25	9.26	25
DDH0710	DDH 001662	123.355	124.325	0.96	170	6.99	9.42	57
DDH0710	DDH 001663	124.325	125.285	0.65	85	8.60	8.15	33
DDH0710	DDH 001664	125.285	126.22	0.91	170	6.99	9.58	49
DDH0710	DDH 001665	126.22	127.215	0.58	85	8.74	9.21	49
DDH0710	DDH 001666	127.215	128.15	0.94	170	8.25	9.37	49
DDH0710	DDH 001667	128.15	129.07	0.49	85	9.93	7.89	41
DDH0710	DDH 001668	129.07	130.035	0.35	85	9.58	7.94	16
DDH0710	DDH 001669	130.035	130.955	0.43	85	8.74	8.94	25
DDH0710	DDH 001670	130.955	131.885	1.93	424	6.57	7.52	131
DDH0710	DDH 001671	131.885	132.81	0.88	170	6.61	7.99	49
DDH0710	DDH 001673	132.81	133.805	0.8	85	8.04	7.04	33
DDH0710	DDH 001674	133.805	134.805	2.35	509	8.67	5.93	131
DDH0710	DDH 001675	134.805	135.75	0.45	85	10.98	6.83	25
DDH0710	DDH 001676	135.75	136.685	0.8	170	6.96	8.26	49
AVERAGE				**1.54**	**343**	**8.25**	**7.58**	**102**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001692	1.255	2.225	1.6	339	9.72	7.04	98
DDH0711	DDH 001693	2.225	3.2	1.72	424	10.00	6.77	90
DDH0711	DDH 001695	3.2	4.19	1.06	254	8.95	7.89	74
DDH0711	DDH 001696	4.19	5.17	0.93	170	7.06	9.16	49
DDH0711	DDH 001697	5.17	6.105	0.96	254	5.99	9.42	57
DDH0711	DDH 001698	6.105	7.04	1.44	339	5.56	8.57	74
DDH0711	DDH 001699	7.04	7.945	1.94	424	7.69	7.25	115
DDH0711	DDH 001700	7.945	8.92	1.02	254	12.94	6.09	66

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001701	8.92	9.89	1.03	254	8.53	7.46	57
DDH0711	DDH 001702	9.89	10.87	1.12	254	8.25	7.41	57
DDH0711	DDH 001703	10.87	11.835	0.98	254	7.41	7.99	57
DDH0711	DDH 001704	11.835	12.8	1.02	254	5.28	9.10	66
DDH0711	DDH 001706	12.8	13.775	1.33	339	7.20	8.15	74
DDH0711	DDH 001707	13.775	14.745	1.07	254	10.42	6.93	82
DDH0711	DDH 001708	14.745	15.66	2.34	594	9.02	6.51	139
DDH0711	DDH 001709	15.66	16.605	1.15	254	6.96	7.94	74
DDH0711	DDH 001710	16.605	17.56	1.2	254	5.22	9.00	74
DDH0711	DDH 001711	17.56	18.49	1.45	339	5.19	10.16	74
DDH0711	DDH 001712	18.49	19.46	1.08	254	7.48	10.16	66
DDH0711	DDH 001713	19.46	20.405	3.85	848	9.51	5.45	237
DDH0711	DDH 001714	20.405	21.345	6.01	1,272	8.39	3.58	360
DDH0711	DDH 001715	21.345	22.345	1.17	254	9.86	7.04	57
DDH0711	DDH 001717	22.345	23.335	1.05	254	8.74	7.30	74
DDH0711	DDH 001718	23.335	24.28	1.21	339	6.16	8.63	74
DDH0711	DDH 001719	24.28	25.27	1.53	339	5.71	8.57	82
DDH0711	DDH 001720	25.27	26.24	1.22	339	3.30	8.63	74
DDH0711	DDH 001721	26.24	27.19	1.67	424	9.44	6.83	98
DDH0711	DDH 001722	27.19	28.165	0.93	254	10.14	6.93	74
DDH0711	DDH 001723	28.165	29.125	1.19	254	7.27	8.20	82
DDH0711	DDH 001724	29.125	30.035	1.69	339	5.93	8.36	90
DDH0711	DDH 001725	30.035	31.015	3.51	763	7.48	6.56	188
DDH0711	DDH 001726	31.015	32.005	2.64	594	8.46	6.56	156
DDH0711	DDH 001728	32.005	32.99	2.62	594	10.98	5.35	147
DDH0711	DDH 001729	32.99	33.95	0.98	254	8.88	7.25	49
DDH0711	DDH 001730	33.95	34.952	1.25	254	8.04	7.62	66
DDH0711	DDH 001731	34.952	35.86	1.23	254	6.90	8.41	82
DDH0711	DDH 001732	35.86	36.815	2.15	509	7.97	7.20	115
DDH0711	DDH 001733	36.815	37.775	1.37	339	9.44	6.72	74
DDH0711	DDH 001734	37.775	38.715	1.04	254	10.21	6.72	66
DDH0711	DDH 001735	38.715	39.655	1.27	339	9.51	6.93	82
DDH0711	DDH 001736	39.655	40.635	1.23	254	8.46	7.41	74
DDH0711	DDH 001737	40.635	41.605	1.75	424	8.04	6.93	98
DDH0711	DDH 001739	41.605	42.59	1.35	339	10.70	6.40	90
DDH0711	DDH 001740	42.59	43.52	1.63	339	8.11	6.51	74
DDH0711	DDH 001741	43.52	44.495	0.87	170	7.97	7.25	57

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001742	44.495	45.4555	2.78	678	7.06	5.66	164
DDH0711	DDH 001743	45.4555	46.45	0.98	254	6.22	8.31	66
DDH0711	DDH 001744	46.45	47.415	1.62	339	11.26	6.62	90
DDH0711	DDH 001745	47.415	48.335	0.7	170	9.02	8.20	49
DDH0711	DDH 001746	48.335	49.29	1.22	254	6.82	8.47	82
DDH0711	DDH 001747	49.29	50.26	1.16	254	6.71	9.16	82
DDH0711	DDH 001748	50.26	51.22	2.25	509	7.69	7.62	139
DDH0711	DDH 001750	51.22	52.205	2.02	509	10.84	6.25	123
DDH0711	DDH 001751	52.205	53.175	1.08	254	9.23	9.31	74
DDH0711	DDH 001752	53.175	54.125	2.64	594	8.18	6.62	172
DDH0711	DDH 001753	54.125	55.11	1.75	424	12.17	5.19	123
DDH0711	DDH 001754	55.11	56.1	1.32	339	12.80	5.61	106
DDH0711	DDH 001755	56.1	57.055	0.19	85	8.95	7.83	16
DDH0711	DDH 001756	57.055	57.995	0.2	85	9.02	7.78	49
DDH0711	DDH 001757	57.995	58.975	0.21	85	8.95	7.67	41
DDH0711	DDH 001758	58.975	59.94	0.25	85	11.33	6.77	41
DDH0711	DDH 001759	59.94	60.9	0.25	85	9.23	7.78	49
DDH0711	DDH 001761	60.9	61.875	0.22	85	9.44	7.57	41
DDH0711	DDH01762	61.875	62.845	0.24	85	9.51	7.41	49
DDH0711	DDH01763	62.845	63.755	0.23	85	9.30	7.52	57
DDH0711	DDH01764	63.755	64.745	0.23	85	9.86	7.20	25
DDH0711	DDH01765	64.745	65.745	0.23	85	9.23	7.62	33
DDH0711	DDH01766	65.745	66.7	0.23	85	9.65	7.41	33
DDH0711	DDH01767	66.7	67.69	0.24	85	9.58	7.52	33
DDH0711	DDH01768	67.69	68.68	0.23	85	9.30	7.57	41
DDH0711	DDH01769	68.68	69.6	0.28	85	10.00	7.30	57
DDH0711	DDH01770	69.6	70.585	0.41	85	10.07	7.25	57
DDH0711	DDH 001772	70.585	71.555	0.36	85	9.02	7.67	25
DDH0711	DDH 001773	71.555	72.48	0.4	85	9.37	7.46	57
DDH0711	DDH 001774	72.48	73.45	0.24	85	9.44	7.57	33
DDH0711	DDH 001775	73.45	74.44	0.26	85	10.07	7.52	49
DDH0711	DDH 001776	74.44	75.36	0.87	254	9.16	6.99	131
DDH0711	DDH 001777	75.36	76.315	0.53	170	9.02	7.30	57
DDH0711	DDH 001778	76.315	77.275	0.39	85	10.28	6.93	66
DDH0711	DDH 001779	77.275	78.24	0.51	170	10.28	7.20	66
DDH0711	DDH 001780	78.24	79.23	0.78	170	10.70	7.09	66
DDH0711	DDH 001781	79.23	80.205	0.92	254	10.77	6.83	66

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001783	80.205	81.15	0.35	85	9.72	7.62	49
DDH0711	DDH 001784	81.15	82.08	0.22	85	10.42	7.30	49
DDH0711	DDH 001785	82.08	83	0.21	85	10.56	7.04	41
DDH0711	DDH 001786	83	83.97	0.2	85	9.23	7.62	49
DDH0711	DDH 001787	83.97	84.875	0.22	85	8.88	7.73	25
DDH0711	DDH 001788	84.875	85.86	0.24	85	8.88	7.78	41
DDH0711	DDH 001789	85.86	86.83	0.25	85	9.79	7.25	41
DDH0711	DDH 001790	86.83	87.765	0.21	85	9.16	7.67	25
DDH0711	DDH 001791	87.765	88.75	0.21	85	8.88	7.78	33
DDH0711	DDH 001792	88.75	89.72	0.19	85	8.88	7.83	57
DDH0711	DDH 001794	89.72	90.675	0.22	85	9.51	7.46	49
DDH0711	DDH 001795	90.675	91.635	0.21	85	9.37	7.62	49
DDH0711	DDH 001796	91.635	92.61	0.21	85	10.07	7.36	41
DDH0711	DDH 001797	92.61	93.555	0.2	85	8.95	7.73	33
DDH0711	DDH 001798	93.555	94.51	0.2	85	9.30	7.67	57
DDH0711	DDH 001799	94.51	95.5	0.21	85	9.44	7.52	33
DDH0711	DDH 001800	95.5	96.45	0.2	85	10.21	7.30	49
DDH0711	DDH 001801	96.45	97.4	0.2	85	9.09	7.73	41
DDH0711	DDH 001802	97.4	98.365	0.19	85	8.88	7.78	33
DDH0711	DDH 001803	98.365	99.245	0.22	85	8.67	7.89	33
DDH0711	DDH 001805	99.245	100.24	0.25	85	10.35	7.04	33
DDH0711	DDH 001806	100.24	101.185	0.21	85	9.93	7.14	25
DDH0711	DDH 001807	101.185	102.14	0.23	85	10.21	7.09	25
DDH0711	DDH 001808	102.14	103.125	0.43	85	9.51	7.46	49
DDH0711	DDH 001809	103.125	104.075	0.25	85	9.51	7.67	49
DDH0711	DDH 001810	104.075	105.03	0.26	85	8.39	8.15	25
DDH0711	DDH 001811	105.03	106.01	0.25	85	8.88	8.10	41
DDH0711	DDH 001812	106.01	106.985	0.23	85	8.95	7.78	33
DDH0711	DDH 001813	106.985	107.94	0.21	85	9.44	7.67	33
DDH0711	DDH 001814	107.94	108.87	0.24	85	9.44	7.62	49
DDH0711	DDH 001816	108.87	109.85	0.27	85	9.23	7.73	41
DDH0711	DDH 001817	109.85	110.785	0.68	170	8.74	7.62	57
DDH0711	DDH 001818	110.785	111.705	0.38	85	8.11	7.99	57
DDH0711	DDH 001819	111.705	112.685	0.11	85	8.04	8.20	25
DDH0711	DDH 001820	112.685	113.665	0.29	85	8.67	8.20	49
DDH0711	DDH 001821	113.665	114.57	0.35	85	9.16	7.99	41
DDH0711	DDH 001822	114.57	115.55	0.41	85	8.53	8.15	49

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001823	115.55	116.53	0.4	85	8.11	8.57	49
DDH0711	DDH 001824	116.53	117.49	0.24	85	9.58	7.41	25
DDH0711	DDH 001825	117.49	118.475	0.27	85	8.81	7.78	41
DDH0711	DDH 001827	118.475	119.47	0.26	85	8.95	7.89	33
DDH0711	DDH 001828	119.47	120.44	0.26	85	8.46	8.10	41
DDH0711	DDH 001829	120.44	121.44	0.28	85	8.04	8.31	25
DDH0711	DDH 001830	121.44	122.43	0.48	170	8.18	8.47	57
DDH0711	DDH 001831	122.43	123.395	0.26	85	8.67	7.99	25
DDH0711	DDH 001832	123.395	124.385	0.69	170	9.30	7.78	74
DDH0711	DDH 001833	124.385	125.355	0.41	85	7.55	8.89	41
DDH0711	DDH 001834	125.355	126.31	0.34	85	7.97	8.47	49
DDH0711	DDH 001835	126.31	127.22	0.29	85	8.04	8.84	25
DDH0711	DDH 001836	127.22	128.19	0.32	85	8.04	8.52	49
DDH0711	DDH 001838	128.19	129.13	0.22	85	8.39	7.89	41
DDH0711	DDH 001839	129.13	130.12	0.22	85	9.23	7.57	41
DDH0711	DDH 001840	130.12	131.12	0.18	85	8.60	7.99	49
DDH0711	DDH 001841	131.12	132.06	0.12	85	8.25	8.10	41
DDH0711	DDH 001842	132.06	133.045	0.13	85	8.11	8.04	33
DDH0711	DDH 001843	133.045	134.035	0.14	85	8.46	8.10	33
DDH0711	DDH 001844	134.035	135	0.2	85	10.21	6.93	33
DDH0711	DDH 001845	135	135.98	0.15	85	8.32	8.15	25
DDH0711	DDH 001846	135.98	136.98	0.16	85	8.53	8.15	41
DDH0711	DDH 001847	136.98	137.98	0.15	85	8.46	8.10	41
DDH0711	DDH 001849	137.98	138.88	0.21	85	9.37	7.52	41
DDH0711	DDH 001850	138.88	139.855	0.18	85	8.95	7.94	33
DDH0711	DDH 001851	139.855	140.815	0.18	85	8.67	8.04	33
DDH0711	DDH 001852	140.815	141.775	0.16	85	8.60	8.10	41
DDH0711	DDH 001853	141.775	142.765	0.16	85	8.60	8.10	41
DDH0711	DDH 001854	142.765	143.735	0.17	85	8.60	7.94	41
DDH0711	DDH 001855	143.735	144.69	0.19	85	8.95	7.83	33
DDH0711	DDH 001856	144.69	145.68	0.18	85	8.53	8.10	33
DDH0711	DDH 001857	145.68	146.56	0.21	85	8.60	7.99	33
DDH0711	DDH 001858	146.56	147.53	0.16	85	8.39	8.10	41
DDH0711	DDH 001860	147.53	148.52	0.22	85	10.07	6.93	16
DDH0711	DDH 001861	148.52	149.48	0.24	85	10.42	7.30	25
DDH0711	DDH 001862	149.48	150.41	0.23	85	8.46	8.10	33
DDH0711	DDH 001863	150.41	151.38	0.24	85	10.56	7.20	41

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001864	151.38	152.335	0.2	85	9.79	7.41	49
DDH0711	DDH 001865	152.335	153.295	0.2	85	9.58	7.36	25
DDH0711	DDH 001866	153.295	154.275	0.21	85	9.65	7.46	41
DDH0711	DDH 001867	154.275	155.245	0.28	85	10.14	7.25	41
DDH0711	DDH 001868	155.245	156.215	0.3	85	10.28	7.09	49
DDH0711	DDH 001869	156.215	157.215	0.3	85	9.58	7.52	41
DDH0711	DDH 001871	157.215	158.165	0.3	85	10.84	7.04	49
DDH0711	DDH 001872	158.165	159.11	0.33	85	9.93	7.09	57
DDH0711	DDH 001873	159.11	160.085	0.23	85	9.23	7.73	49
DDH0711	DDH 001874	160.085	161.02	2.99	763	9.65	5.66	205
DDH0711	DDH 001875	161.02	161.92	1.65	424	10.28	6.46	164
DDH0711	DDH 001876	161.92	162.88	0.19	85	8.88	7.83	41
DDH0711	DDH 001877	162.88	163.85	0.21	85	8.60	7.89	25
DDH0711	DDH 001878	163.85	164.805	0.24	85	10.14	7.04	49
DDH0711	DDH 001879	164.805	165.78	0.24	85	9.16	7.57	33
DDH0711	DDH 001880	165.78	166.77	0.27	85	12.31	6.77	33
DDH0711	DDH 001882	166.77	167.695	0.23	85	9.23	7.73	49
DDH0711	DDH 001883	167.695	168.645	0.2	85	9.02	7.78	41
DDH0711	DDH 001884	168.645	169.605	0.22	85	8.74	7.83	33
DDH0711	DDH 001885	169.605	170.485	0.25	85	8.74	7.94	33
DDH0711	DDH 001886	170.485	171.43	0.19	85	8.46	7.99	33
DDH0711	DDH 001887	171.43	172.4	0.16	85	8.74	7.89	16
DDH0711	DDH 001888	172.4	173.34	0.21	85	8.46	7.94	25
DDH0711	DDH 001889	173.34	174.3	0.26	85	10.00	7.30	41
DDH0711	DDH 001890	174.3	175.24	0.27	85	9.51	7.36	33
DDH0711	DDH 001891	175.24	176.19	0.26	85	8.81	7.78	41
DDH0711	DDH 001893	176.19	177.08	0.28	85	10.14	7.14	41
DDH0711	DDH 001894	177.08	178.03	0.28	85	9.16	7.52	33
DDH0711	DDH 001895	178.03	179.005	0.32	85	10.42	6.93	49
DDH0711	DDH 001896	179.005	179.96	0.25	85	9.51	7.57	41
DDH0711	DDH 001897	179.96	180.91	0.29	85	10.98	6.72	33
DDH0711	DDH 001898	180.91	181.895	0.26	85	9.16	7.57	41
DDH0711	DDH 001899	181.895	182.87	0.25	85	8.95	7.83	41
DDH0711	DDH 001900	182.87	183.79	0.26	85	9.58	7.57	25
DDH0711	DDH 001901	183.79	184.77	0.29	85	10.42	7.46	33
DDH0711	DDH 001902	184.77	185.77	0.71	170	9.79	7.52	82
DDH0711	DDH 001904	185.77	186.725	0.48	85	9.93	7.30	57

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001905	186.725	187.715	2.27	594	7.27	7.67	180
DDH0711	DDH 001906	187.715	188.705	2.4	594	6.31	8.15	180
DDH0711	DDH 001907	188.705	189.605	1.44	339	9.51	7.46	106
DDH0711	DDH 001908	189.605	190.585	0.36	85	12.17	7.04	41
DDH0711	DDH 001909	190.585	191.55	0.21	85	10.42	7.36	49
DDH0711	DDH 001910	191.55	192.51	0.18	85	9.23	7.67	25
DDH0711	DDH 001911	192.51	193.505	0.19	85	9.09	7.73	25
DDH0711	DDH 001912	193.505	194.44	0.18	85	8.81	7.89	33
DDH0711	DDH 001913	194.44	195.415	0.19	85	9.09	7.73	41
DDH0711	DDH 001915	195.415	196.375	0.22	85	9.44	7.52	41
DDH0711	DDH 001916	196.375	197.35	0.21	85	9.23	7.73	41
DDH0711	DDH 001917	197.35	198.26	0.21	85	10.00	7.09	49
DDH0711	DDH 001918	198.26	199.18	0.19	85	9.86	7.36	41
DDH0711	DDH 001919	199.18	200.16	0.2	85	9.72	7.41	41
DDH0711	DDH 001920	200.16	201.13	0.22	85	9.93	7.30	41
DDH0711	DDH 001921	201.13	202.1	0.21	85	9.37	7.52	33
DDH0711	DDH 001922	202.1	203.09	0.22	85	9.65	7.46	41
DDH0711	DDH 001923	203.09	204	0.26	85	9.37	7.62	33
DDH0711	DDH 001924	204	204.97	0.32	85	9.37	7.46	41
DDH0711	DDH 001926	204.97	205.935	0.74	170	9.93	7.14	74
DDH0711	DDH 001927	205.935	206.905	2.01	509	9.51	6.56	156
DDH0711	DDH 001928	206.905	207.805	0.2	85	9.02	7.62	25
DDH0711	DDH 001929	207.805	208.795	0.3	85	9.58	7.52	49
DDH0711	DDH 001930	208.795	209.75	0.2	85	8.95	7.73	33
DDH0711	DDH 001931	209.75	21065	0.2	85	8.74	7.89	49
DDH0711	DDH 001932	21065	211.62	0.19	85	8.53	7.78	25
DDH0711	DDH 001933	211.62	212.575	0.19	85	8.46	7.36	41
DDH0711	DDH 001934	212.575	213.51	0.22	85	9.09	7.52	25
DDH0711	DDH 001935	213.51	214.475	0.2	85	8.95	7.67	25
DDH0711	DDH 001937	214.475	215.455	0.2	85	9.16	7.67	41
DDH0711	DDH 001938	215.455	216.395	0.27	85	10.42	7.04	66
DDH0711	DDH 001939	216.395	217.37	0.43	85	9.44	7.46	49
DDH0711	DDH 001940	217.37	218.305	1.03	254	10.00	6.88	90
DDH0711	DDH 001941	218.305	219.275	3.68	848	9.23	6.56	246
DDH0711	DDH 001942	219.275	220.25	0.95	254	7.41	9.10	74
DDH0711	DDH 001943	220.25	221.23	1.19	254	8.67	8.94	90
DDH0711	DDH 001944	221.23	222.165	2.53	594	9.93	6.19	172

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0711	DDH 001945	222.165	223.145	1.96	509	11.33	6.14	139
DDH0711	DDH 001946	223.145	224.09	1.41	339	9.86	6.83	98
DDH0711	DDH 001948	224.09	225.045	0.62	170	8.74	8.26	33
DDH0711	DDH 001949	225.045	226.035	1.77	424	4.52	8.57	106
DDH0711	DDH 001950	226.035	227.02	2.29	594	6.15	8.31	131
DDH0711	DDH 001951	227.02	227.995	1.41	339	5.46	10.11	98
DDH0711	DDH 001952	227.995	228.97	0.69	170	8.88	8.26	41
DDH0711	DDH 001953	228.97	229.69	1.82	424	9.02	8.52	115
DDH0711	DDH 001954	229.69	230.935	0.78	170	10.35	7.41	33
DDH0711	DDH 001955	230.935	231.885	0.68	170	8.95	7.57	25
DDH0711	DDH 001956	231.885	232.845	0.95	254	7.34	8.15	66
DDH0711	DDH 001957	232.845	233.825	1.27	339	6.02	9.31	90
DDH0711	DDH 001959	233.825	234.795	5.05	1,102	6.44	6.25	328
DDH0711	DDH 001960	234.795	235.785	7.54	1,696	6.35	3.09	500
DDH0711	DDH 001961	235.785	236.76	4.66	1,102	12.38	3.07	311
DDH0711	DDH 001962	236.76	237.63	0.96	254	15.11	5.23	66
DDH0711	DDH 001963	237.63	238.595	1.23	254	7.83	7.36	82
DDH0711	DDH 001964	238.595	239.575	1.98	509	6.95	6.88	123
DDH0711	DDH 001965	239.575	240.505	1.62	424	8.18	6.88	106
DDH0711	DDH 001966	240.505	241.495	1.35	339	7.27	8.04	66
DDH0711	DDH 001967	241.495	242.49	2.19	509	11.33	5.66	131
DDH0711	DDH 001968	242.49	242.415	3.65	848	7.48	4.52	246
DDH0711	DDH 001970	242.415	244.405	5.25	1,187	7.13	4.25	352
DDH0711	DDH 001971	244.405	245.39	1.54	424	9.23	5.98	123
DDH0711	DDH 001972	245.39	246.305	1.39	339	5.52	7.78	98
DDH0711	DDH 001973	246.305	247.295	0.72	170	6.85	7.57	49
DDH0711	DDH 001974	247.295	248.275	0.28	85	5.08	8.20	41
DDH0711	DDH 001975	248.275	249	0.7	170	7.06	6.88	57
AVERAGE				**0.82**	**211**	**8.94**	**7.49**	**67**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0712	DDH 001976	1.515	2.505	0.85	170	6.34	9.16	33
DDH0712	DDH 001977	2.505	3.485	0.87	170	6.01	9.05	57
DDH0712	DDH 001978	3.485	4.465	1.5	339	6.76	8.15	82

DDH0712	DDH 001979	4.465	5.455	2.41	594	8.88	6.51	115
DDH0712	DDH 001981	5.455	6.385	1.35	339	13.71	5.72	66
DDH0712	DDH 001982	6.385	7.355	0.96	254	7.34	8.47	57
DDH0712	DDH 001983	7.355	8.335	0.99	254	6.56	8.26	57
DDH0712	DDH 001984	8.335	9.305	1.15	254	6.79	8.04	74
DDH0712	DDH 001985	9.305	10.27	1.2	254	7.41	8.04	57
DDH0712	DDH 001986	10.27	11.175	1.25	254	7.27	8.10	49
DDH0712	DDH 001987	11.175	12.08	1.15	254	8.46	7.83	66
DDH0712	DDH 001988	12.08	13.055	1.63	424	7.69	7.57	98
DDH0712	DDH 001989	13.055	14	3.07	678	8.25	6.03	147
DDH0712	DDH 001990	14	14.925	1.24	254	8.18	8.10	57
DDH0712	DDH 001992	14.925	15.79	0.73	170	5.93	9.69	41
DDH0712	DDH 001993	15.79	16.74	0.85	170	5.71	9.74	25
DDH0712	DDH 001994	16.74	17.63	1.1	254	6.44	8.47	57
DDH0712	DDH 001995	17.63	18.54	1	254	8.74	7.25	66
DDH0712	DDH 001996	18.54	19.505	0.81	170	11.61	6.93	41
DDH0712	DDH 001997	19.505	20.46	1.44	339	8.53	7.67	82
DDH0712	DDH 001998	20.46	21.43	1.79	424	10.21	6.62	90
DDH0712	DDH 001999	21.43	22.38	1.39	339	10.07	7.04	57
DDH0712	DDH 002000	22.38	23.325	0.96	254	7.97	8.47	57
DDH0712	DDH 002001	23.325	24.145	0.92	170	6.54	9.10	33
DDH0712	DDH 002003	24.145	25.09	1	254	5.69	9.37	41
DDH0712	DDH 002004	25.09	26.055	1.56	339	5.75	8.31	82
DDH0712	DDH 002005	26.055	17	1.77	424	8.11	7.14	82
DDH0712	DDH 002006	17	17.95	1.04	254	12.87	5.98	49
DDH0712	DDH 002007	17.95	28.87	1.01	254	8.67	7.41	74
DDH0712	DDH 002008	28.87	29.8	1.15	254	8.18	7.36	49
DDH0712	DDH 002009	29.8	30.72	0.98	254	8.11	7.57	49
DDH0712	DDH 002010	30.72	31.72	1.06	254	5.46	8.89	57
DDH0712	DDH 002011	31.72	32.68	1.11	254	5.64	8.79	66
DDH0712	DDH 002012	32.68	33.635	1.5	339	9.37	7.25	82
DDH0712	DDH 002014	33.635	34.615	1.03	254	9.86	7.09	49
DDH0712	DDH 002015	34.615	35.59	2.26	509	7.76	6.88	115
DDH0712	DDH 002016	35.59	36.545	1.09	254	6.05	8.15	41
DDH0712	DDH 002017	36.545	37.525	1.29	254	4.88	9.42	74
DDH0712	DDH 002018	37.525	38.495	1.21	254	6.81	10.48	57
DDH0712	DDH 002019	38.495	39.435	1.18	254	7.76	9.16	74
DDH0712	DDH 002020	39.435	40.42	4.43	933	8.81	4.92	246
DDH0712	DDH 002021	40.42	41.41	4.76	1,018	10.14	3.85	237

DDH0712	DDH 002022	41.41	41.345	1.09	170	8.74	7.52	49
DDH0712	DDH 002023	41.345	43.28	1.01	170	9.02	7.20	33
DDH0712	DDH 002025	43.28	44.255	1.08	254	6.95	8.10	49
DDH0712	DDH 002026	44.255	45.205	1.35	254	5.95	8.79	57
DDH0712	DDH 002027	45.205	46.185	1.37	254	6.99	8.15	66
DDH0712	DDH 002028	46.185	47.155	1.77	339	8.67	6.93	66
DDH0712	DDH 002029	47.155	48.085	1	254	10.42	6.83	41
DDH0712	DDH 002030	48.085	49.035	0.91	170	8.04	7.73	33
DDH0712	DDH 002031	49.035	50.005	1.39	254	5.76	8.41	49
DDH0712	DDH 002032	50.005	50.955	2.78	594	7.34	6.99	139
DDH0712	DDH 002033	50.955	51.875	3.02	678	8.04	6.14	139
DDH0712	DDH 002034	51.875	52.865	2.56	594	9.72	5.77	131
DDH0712	DDH 002036	52.865	53.815	1	170	10.77	6.46	33
DDH0712	DDH 002037	53.815	54.775	1.24	254	7.83	7.57	57
DDH0712	DDH 002038	54.775	55.74	1.05	170	7.13	8.31	41
DDH0712	DDH 002039	55.74	56.74	1.76	339	6.99	7.57	74
DDH0712	DDH 002040	56.74	57.69	1.35	254	9.44	6.62	66
DDH0712	DDH 002041	57.69	58.635	1.05	254	9.23	7.04	33
DDH0712	DDH 002042	58.635	59.62	1.27	254	8.67	7.46	49
DDH0712	DDH 002043	59.62	60.59	1.15	254	6.96	8.10	57
DDH0712	DDH 002044	60.59	61.56	1.57	339	9.09	6.30	66
DDH0712	DDH 002045	61.56	62.525	1.2	254	8.46	6.51	49
DDH0712	DDH 002047	62.525	63.415	1.04	254	7.48	7.14	57
DDH0712	DDH 002048	63.415	64.35	2.45	594	5.39	6.09	123
DDH0712	DDH 002049	64.35	65.32	1.04	170	5.85	8.26	49
DDH0712	DDH 002050	65.32	66.255	1.35	254	12.24	6.35	74
DDH0712	DDH 002051	66.255	67.22	0.87	170	6.55	8.89	41
DDH0712	DDH 002052	67.22	68.2	1.35	254	6.69	8.89	82
DDH0712	DDH 002053	68.2	69.105	1.91	424	6.78	8.04	98
DDH0712	DDH 002054	69.105	70.065	2.09	509	10.84	6.09	115
DDH0712	DDH 002055	70.065	71.05	1.02	170	8.81	9.00	66
DDH0712	DDH 002056	71.05	72	2.42	509	9.23	6.35	131
DDH0712	DDH 002058	72	72.985	2.1	509	10.98	5.45	106
DDH0712	DDH 002059	72.985	73.975	1.09	254	11.82	5.72	66
DDH0712	DDH 002060	73.975	74.95	1.09	254	10.14	6.40	66
DDH0712	DDH 002061	74.95	75.88	0.24	- 85	9.44	7.36	8
DDH0712	DDH 002062	75.88	76.765	0.48	85	10.21	7.04	41
DDH0712	DDH 002063	76.765	77.445	0.21	- 85	9.72	7.25	25
DDH0712	DDH 002064	77.445	78.015	0.35	- 85	9.65	7.14	33

AVERAGE				**1.40**	**300**	**8.19**	**7.53**	**70**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0713	DDH 002065	2.51	3.46	3.16	678	8.60	6.03	147
DDH0713	DDH 002066	3.46	4.385	1.17	254	13.36	5.56	49
DDH0713	DDH 002067	4.385	5.285	0.58	85	7.83	7.99	16
DDH0713	DDH 002069	5.285	6.145	0.92	170	7.83	8.15	41
DDH0713	DDH 002070	6.145	7.08	1.1	254	7.34	8.79	41
DDH0713	DDH 002071	7.08	8.05	1.1	254	7.90	8.73	41
DDH0713	DDH 002072	8.05	8.94	1.37	254	8.88	7.99	57
DDH0713	DDH 002073	8.94	9.91	1.81	339	8.32	7.73	66
DDH0713	DDH 002074	9.91	10.86	1.46	339	7.34	8.31	57
DDH0713	DDH 002075	10.86	11.85	3.01	594	5.60	7.30	106
DDH0713	DDH 002076	11.85	12.82	1.27	254	4.83	9.63	41
DDH0713	DDH 002077	12.82	13.805	2.34	509	8.95	6.46	106
DDH0713	DDH 002078	13.805	14.79	1.96	424	7.48	7.73	74
DDH0713	DDH 002080	14.79	15.765	1.23	254	6.55	8.89	49
DDH0713	DDH 002081	15.765	16.72	1.35	254	7.90	7.73	74
DDH0713	DDH 002082	16.72	17.695	1.44	254	9.09	7.89	74
DDH0713	DDH 002083	17.695	18.615	1.71	339	7.97	7.67	74
DDH0713	DDH 002084	18.615	19.56	1.36	254	5.84	8.57	66
DDH0713	DDH 002085	19.56	20.54	1.58	339	9.37	6.30	82
DDH0713	DDH 002086	20.54	21.45	1.57	339	4.93	9.74	82
DDH0713	DDH 002087	21.45	22.42	1.57	339	8.25	7.67	90
DDH0713	DDH 002088	22.42	23.395	2.49	509	8.74	6.19	123
DDH0713	DDH 002089	23.395	24.32	0.83	170	9.79	6.40	49
DDH0713	DDH 002091	24.32	25.32	1.06	170	10.35	6.40	74
DDH0713	DDH 002092	25.32	26.305	1.25	254	3.08	8.26	49
DDH0713	DDH 002093	26.305	27.23	0.89	170	5.27	9.00	49
DDH0713	DDH 002094	27.23	28.2	1.67	339	6.09	8.52	74
DDH0713	DDH 002095	28.2	29.15	1.33	254	10.84	5.35	57
DDH0713	DDH 002096	29.15	30.09	1.56	339	7.62	7.46	90
DDH0713	DDH 002097	30.09	31.03	1.36	254	7.76	7.57	57
DDH0713	DDH 002098	31.03	32.005	1.65	339	5.55	8.63	82
DDH0713	DDH 002099	32.005	32.945	1.62	339	9.16	7.04	66
DDH0713	DDH 002100	32.945	33.9	0.21	85	12.03	6.77	16

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0713	DDH 002102	33.9	34.885	0.05	85	17.00	2.65	8
DDH0713	DDH 002103	34.885	35.865	0.12	85	10.84	7.25	8
DDH0713	DDH 002104	35.865	36.765	0.23	85	13.57	3.99	8
DDH0713	DDH 002105	36.765	37.685	0.38	85	9.93	5.77	49
DDH0713	DDH 002106	37.685	38.615	0.15	85	15.81	3.17	25
DDH0713	DDH 002107	38.615	39.435	0.35	85	10.56	5.45	33
DDH0713	DDH 002108	39.435	40.39	0.16	85	16.23	2.85	25
DDH0713	DDH 002109	40.39	41.3	0.07	85	18.33	2.50	8
DDH0713	DDH 002110	41.3	42.24	0.1	85	15.88	3.28	16
DDH0713	DDH 002111	42.24	43.19	0.18	85	12.38	4.86	25
DDH0713	DDH 0002113	43.19	44.145	0.06	85	15.46	3.29	33
DDH0713	DDH 002114	44.145	45.085	1.18	254	7.48	7.67	57
DDH0713	DDH 002115	45.085	46.005	2.5	594	11.47	5.50	139
DDH0713	DDH 002116	46.005	46.94	1.86	424	8.53	7.25	115
DDH0713	DDH 002117	46.94	47.875	2.24	509	8.95	6.88	147
DDH0713	DDH 002118	47.875	48.8	2.31	509	7.27	7.89	139
DDH0713	DDH 002119	48.8	49.785	1.35	254	10.14	6.62	98
DDH0713	DDH 002120	49.785	50.765	1.46	339	7.83	7.46	98
DDH0713	DDH 002121	50.765	51.745	1.3	254	10.56	6.72	90
DDH0713	DDH 002122	51.745	52.695	1.58	339	4.67	9.05	106
DDH0713	DDH 002124	52.695	53.64	3.26	678	6.21	6.72	205
DDH0713	DDH 002125	53.64	54.6	1.17	254	7.55	7.57	90
DDH0713	DDH 002126	54.6	55.58	1.35	254	13.36	5.66	98
DDH0713	DDH 002127	55.58	56.465	0.99	170	7.06	7.73	66
DDH0713	DDH 002128	56.465	57.385	2.73	594	8.53	6.77	164
DDH0713	DDH 002129	57.385	58.295	1.06	254	5.98	9.79	57
DDH0713	DDH 002130	58.295	59.275	0.86	170	5.63	10.21	57
DDH0713	DDH 002131	59.275	60.21	0.86	170	8.46	8.52	49
DDH0713	DDH 002132	60.21	61.08	1.22	254	11.19	7.30	74
DDH0713	DDH 002133	61.08	62.05	1.1	254	11.54	7.30	74
DDH0713	DDH 002135	62.05	63	2.53	509	6.01	8.52	147
DDH0713	DDH 002136	63	63.925	2.02	424	7.97	8.15	131
DDH0713	DDH 002137	63.925	64.845	1.95	424	6.98	8.73	115
DDH0713	DDH 002138	64.845	65.715	2.52	594	7.69	7.99	172
DDH0713	DDH 002139	65.715	66.645	1.97	424	7.90	8.89	131
DDH0713	DDH 002140	66.645	67.61	1.03	254	10.07	8.68	74
DDH0713	DDH 002141	67.61	68.545	0.47	85	7.13	10.43	16

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0713	DDH 002142	68.545	69.505	2.07	424	6.88	7.57	139
DDH0713	DDH 002143	69.505	70.47	2.43	509	6.30	7.41	180
DDH0713	DDH 002144	70.47	71.44	1.88	424	5.59	8.31	115
DDH0713	DDH 002146	71.44	72.365	0.91	170	8.60	8.36	49
DDH0713	DDH 002147	72.365	73.325	0.91	85	8.25	8.94	8
DDH0713	DDH 002148	73.325	74.28	0.2	85	8.88	9.31	8
DDH0713	DDH 002149	74.28	75.25	0.12	85	8.95	9.74	8
DDH0713	DDH 002150	75.25	76.22	0.15	85	9.79	9.37	16
DDH0713	DDH 002151	76.22	77.125	0.34	85	9.86	7.04	25
DDH0713	DDH 002152	77.125	78	0.07	85	6.13	8.84	16
DDH0713	DDH 002153	78	78.93	0.07	85	5.87	9.00	16
DDH0713	DDH 002154	78.93	79.805	0.07	85	5.90	9.00	25
DDH0713	DDH 002155	79.805	80.725	0.1	85	5.99	8.89	16
DDH0713	DDH 002157	80.725	81.625	0.07	85	5.74	9.00	16
AVERAGE				**1.23**	**269**	**8.76**	**7.41**	**69**

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002161	2.11	3.08	0.95	170	7.20	7.89	41
DDH0714	DDH 002162	3.08	4.02	1.09	254	6.99	7.73	49
DDH0714	DDH 002163	4.02	4.96	1.28	254	7.20	7.73	66
DDH0714	DDH 002164	4.96	5.93	1.23	254	7.48	9.00	66
DDH0714	DDH 002165	5.93	6.89	3.63	763	4.88	8.41	164
DDH0714	DDH 002166	6.89	7.85	2.26	509	10.63	5.56	98
DDH0714	DDH 002168	7.85	8.765	0.95	170	8.88	7.41	49
DDH0714	DDH 002169	8.765	9.65	1	170	6.57	8.26	41
DDH0714	DDH 002170	9.65	10.54	0.9	170	6.72	8.26	49
DDH0714	DDH 002171	10.54	11.47	0.84	170	7.83	7.89	49
DDH0714	DDH 002172	11.47	12.34	1.39	254	8.18	7.83	66
DDH0714	DDH 002173	12.34	13.23	0.95	170	7.83	8.04	49
DDH0714	DDH 002174	13.23	14.11	0.65	85	7.48	8.52	33
DDH0714	DDH 002175	14.11	15	1.1	254	8.11	7.46	57
DDH0714	DDH 002176	15	15.94	1.79	339	9.93	7.14	74
DDH0714	DDH 002177	15.94	16.86	0.82	170	5.99	9.05	33
DDH0714	DDH 002179	16.86	17.8	1.07	170	6.89	8.68	41

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002180	17.8	18.625	1.31	254	8.81	7.62	49
DDH0714	DDH 002181	18.625	19.555	0.89	170	10.42	6.93	25
DDH0714	DDH 002182	19.555	20.51	1.8	339	8.74	7.09	74
DDH0714	DDH 002183	20.51	21.45	2.2	424	7.13	7.25	98
DDH0714	DDH 002184	21.45	22.42	1.11	254	7.83	8.04	57
DDH0714	DDH 002185	22.42	23.35	1.5	254	6.22	8.47	57
DDH0714	DDH 002186	23.35	24.21	1.47	339	7.62	7.52	66
DDH0714	DDH 002187	24.21	25.11	1.61	339	6.73	7.89	66
DDH0714	DDH 002188	25.11	26.065	1.57	339	10.84	6.40	82
DDH0714	DDH 002190	26.065	27	1.36	254	9.65	6.56	57
DDH0714	DDH 002191	27	27.905	1.18	254	8.32	7.57	49
DDH0714	DDH 002192	27.905	28.815	1.77	339	10.91	6.35	82
DDH0714	DDH 002193	28.815	29.78	2.18	424	12.10	5.28	98
DDH0714	DDH 002194	29.78	30.71	1.33	254	10.21	6.67	49
DDH0714	DDH 002195	30.71	31.69	1.64	339	7.27	7.94	74
DDH0714	DDH 002196	31.69	32.685	1.17	254	7.55	8.04	33
DDH0714	DDH 002197	32.685	33.6	0.99	170	7.06	7.99	33
DDH0714	DDH 002198	33.6	34.57	1.62	339	7.20	7.94	66
DDH0714	DDH 002199	34.57	35.515	1.1	254	8.18	7.57	41
DDH0714	DDH 002201	35.515	36.455	1.46	254	8.67	7.67	66
DDH0714	DDH 002202	36.455	37.45	1.41	254	8.67	7.41	66
DDH0714	DDH 002203	37.45	38.45	1.29	254	8.25	7.57	49
DDH0714	DDH 002204	38.45	39.4	1.78	339	7.69	7.57	66
DDH0714	DDH 002205	39.4	40.38	1.76	339	6.07	8.57	57
DDH0714	DDH 002206	40.38	41.35	0.91	170	6.16	9.16	33
DDH0714	DDH 002207	41.35	42.335	0.92	170	5.20	9.63	41
DDH0714	DDH 002208	42.335	43.235	1.28	254	6.83	9.37	57
DDH0714	DDH 002209	43.235	44.22	1.05	254	6.19	9.84	49
DDH0714	DDH 002210	44.22	45.18	1.61	339	4.99	9.21	66
DDH0714	DDH 002212	45.18	46.165	1.89	424	5.82	8.68	98
DDH0714	DDH 002213	46.165	47.155	0.9	170	6.12	8.63	25
DDH0714	DDH 002214	47.155	48.125	1.05	170	5.84	8.63	41
DDH0714	DDH 002215	48.125	49.1	1.29	254	8.18	7.57	57
DDH0714	DDH 002216	49.1	49.975	1.23	254	9.30	6.93	41
DDH0714	DDH 002217	49.975	50.94	1.42	254	7.20	7.46	66
DDH0714	DDH 002218	50.94	51.9	2.14	424	6.57	7.78	98
DDH0714	DDH 002219	51.9	52.87	1.12	170	5.74	9.00	49

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002220	52.87	53.845	2.54	509	5.95	7.94	115
DDH0714	DDH 002221	53.845	54.805	1.46	254	7.41	7.73	41
DDH0714	DDH 002223	54.805	55.735	1.61	339	8.60	7.36	74
DDH0714	DDH 002224	55.735	56.685	1.45	254	7.97	7.57	57
DDH0714	DDH 002225	56.685	57.58	1.82	339	8.60	7.52	82
DDH0714	DDH 002226	57.58	58.53	1.52	339	8.18	7.67	57
DDH0714	DDH 002227	58.53	59.515	1.3	254	9.58	7.14	57
DDH0714	DDH 002228	59.515	60.475	1.26	254	9.09	7.09	33
DDH0714	DDH 002229	60.475	61.46	1.22	254	8.74	7.57	33
DDH0714	DDH 002230	61.46	62.42	1.26	254	9.09	7.57	49
DDH0714	DDH 002231	62.42	63.305	1.68	339	10.28	6.30	66
DDH0714	DDH 002232	63.305	64.28	1.31	254	10.77	6.46	74
DDH0714	DDH 002234	64.28	65.255	1.28	254	11.75	5.87	66
DDH0714	DDH 002235	65.255	66.155	1.18	254	8.32	7.20	41
DDH0714	DDH 002236	66.155	67.12	1.71	339	7.76	7.41	57
DDH0714	DDH 002237	67.12	68.09	1.18	254	9.09	7.09	49
DDH0714	DDH 002238	68.09	69.025	0.68	85	6.25	8.73	33
DDH0714	DDH 002239	69.025	70.005	1.27	254	6.57	8.20	41
DDH0714	DDH 002240	70.005	70.975	1.15	254	9.30	7.09	49
DDH0714	DDH 002241	70.975	71.95	0.98	170	7.83	8.04	33
DDH0714	DDH 002242	71.95	72.86	1.12	170	9.02	6.88	33
DDH0714	DDH 002243	72.86	73.84	1.11	254	11.61	5.77	49
DDH0714	DDH 002245	73.84	74.835	0.96	170	7.97	7.41	41
DDH0714	DDH 002246	74.835	75.815	1.12	254	8.95	7.25	41
DDH0714	DDH 002247	75.815	76.75	1.08	254	7.76	7.67	57
DDH0714	DDH 002248	76.75	77.71	1.24	254	7.34	8.04	49
DDH0714	DDH 002249	77.71	78.585	1.21	254	5.57	9.37	49
DDH0714	DDH 002250	78.585	79.565	0.76	170	5.69	9.69	8
DDH0714	DDH 002251	79.565	80.53	1.15	254	7.20	8.84	49
DDH0714	DDH 002252	80.53	81.51	2.08	424	6.37	8.15	98
DDH0714	DDH 002253	81.51	82.475	3.16	678	8.39	6.19	156
DDH0714	DDH 002254	82.475	83.45	2.86	594	9.65	5.87	131
DDH0714	DDH 002256	83.45	84.38	2.79	594	12.38	5.28	123
DDH0714	DDH 002257	84.38	85.285	0.91	170	10.49	6.72	33
DDH0714	DDH 002258	85.285	86.21	1.05	170	7.76	8.04	49
DDH0714	DDH 002259	86.21	87.15	1.08	254	6.30	9.69	49
DDH0714	DDH 002260	87.15	88.11	2.49	509	7.41	7.41	123

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002261	88.11	89.05	3.45	678	7.41	6.09	172
DDH0714	DDH 002262	89.05	89.99	2.7	594	7.55	6.40	123
DDH0714	DDH 002263	89.99	90.955	0.82	170	9.93	7.25	25
DDH0714	DDH 002264	90.955	91.91	0.75	85	8.60	7.78	25
DDH0714	DDH 002265	91.91	92.895	0.97	170	7.41	8.10	41
DDH0714	DDH 002267	92.895	93.845	1.25	254	6.48	8.68	49
DDH0714	DDH 002268	93.845	94.83	1.35	254	7.20	8.52	49
DDH0714	DDH 002269	94.83	95.75	1.47	254	7.97	8.04	66
DDH0714	DDH 002270	95.75	96.66	1.21	254	6.51	9.00	49
DDH0714	DDH 002271	96.66	97.59	1.56	339	7.41	8.15	66
DDH0714	DDH 002272	97.59	98.53	1.46	339	8.81	7.83	66
DDH0714	DDH 002273	98.53	99.47	1.74	339	7.06	8.41	49
DDH0714	DDH 002274	99.47	100.42	1.02	170	12.31	6.56	41
DDH0714	DDH 002275	100.42	101.395	1.83	339	6.97	7.57	90
DDH0714	DDH 002276	101.395	102.355	1.55	339	7.34	7.67	74
DDH0714	DDH 002278	102.355	103.34	1.62	339	9.16	7.04	74
DDH0714	DDH 002279	103.34	104.33	2.25	339	9.44	5.93	8
DDH0714	DDH 002280	104.33	105.275	0.75	85	6.18	8.63	16
DDH0714	DDH 002281	105.275	106.235	0.63	85	8.67	7.36	33
DDH0714	DDH 002282	106.235	107.235	1.21	254	9.09	7.20	57
DDH0714	DDH 002283	107.235	108.195	1.15	254	7.62	8.20	49
DDH0714	DDH 002284	108.195	109.185	1.34	254	7.83	8.31	57
DDH0714	DDH 002285	109.185	110.185	1.43	254	5.67	8.31	66
DDH0714	DDH 002286	110.185	111.15	1.58	339	6.29	8.10	74
DDH0714	DDH 002287	111.15	112.03	2.26	509	7.83	7.20	115
DDH0714	DDH 002289	112.03	113.3	2.08	424	10.42	6.72	90
DDH0714	DDH 002290	113.3	114	1.13	254	9.16	7.20	57
DDH0714	DDH 002291	114	114.985	1.31	254	7.69	8.10	66
DDH0714	DDH 002292	114.985	115.93	1.38	254	8.60	7.62	66
DDH0714	DDH 002293	115.93	116.89	1.32	254	9.09	7.67	66
DDH0714	DDH 002294	116.89	117.87	1.04	170	11.12	6.83	57
DDH0714	DDH 002295	117.87	118.825	0.86	170	11.75	6.72	25
DDH0714	DDH 002296	118.825	119.75	1	170	7.48	8.31	41
DDH0714	DDH 002297	119.75	120.63	1.23	254	6.88	8.63	49
DDH0714	DDH 002298	120.63	121.54	1.26	254	7.13	8.84	41
DDH0714	DDH 002300	121.54	122.475	1.62	339	7.20	8.15	74
DDH0714	DDH 002301	122.475	123.4	0.99	170	6.35	8.47	33

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002302	123.4	124.38	0.97	170	7.83	8.10	41
DDH0714	DDH 002303	124.38	125.35	0.9	170	6.58	8.79	41
DDH0714	DDH 002304	125.35	126.29	1.19	254	6.96	8.47	57
DDH0714	DDH 002305	126.29	127.26	1.32	254	6.85	8.31	57
DDH0714	DDH 002306	127.26	128.26	1.87	424	7.48	7.67	82
DDH0714	DDH 002307	128.26	129.25	2.51	509	8.39	6.67	106
DDH0714	DDH 002308	129.25	130.225	2.37	509	8.95	6.72	106
DDH0714	DDH 002309	130.225	131.2	2.73	594	8.11	6.72	123
DDH0714	DDH 002311	131.2	132.115	1.3	254	7.48	8.41	57
DDH0714	DDH 002312	132.115	133.065	1.07	254	8.25	7.67	57
DDH0714	DDH 002313	133.065	134.035	1.82	339	8.11	7.25	74
DDH0714	DDH 002314	134.035	134.975	1.5	254	7.13	8.20	66
DDH0714	DDH 002315	134.975	135.96	1.4	254	7.83	8.26	57
DDH0714	DDH 002316	135.96	136.95	0.98	170	6.01	8.36	49
DDH0714	DDH 002317	136.95	137.905	0.87	170	6.14	8.47	25
DDH0714	DDH 002318	137.905	138.835	1.04	254	7.34	7.89	49
DDH0714	DDH 002319	138.835	139.795	0.99	170	7.69	7.73	41
DDH0714	DDH 002320	139.795	140.715	1	170	6.73	7.94	33
DDH0714	DDH 002322	140.715	141.685	1.52	339	8.53	7.52	82
DDH0714	DDH 002323	141.685	142.635	1.26	254	8.32	7.57	49
DDH0714	DDH 002324	142.635	143.535	1.35	254	7.48	7.83	57
DDH0714	DDH 002325	143.535	144.455	1.76	339	6.88	8.15	74
DDH0714	DDH 002326	144.455	145.42	1.79	339	6.70	8.26	66
DDH0714	DDH 002327	145.42	146.41	1.21	254	7.90	7.89	41
DDH0714	DDH 002328	146.41	147.38	1.79	339	7.55	8.04	82
DDH0714	DDH 002329	147.38	148.38	2.5	509	8.32	6.77	123
DDH0714	DDH 002330	148.38	149.38	3.2	678	8.39	6.35	123
DDH0714	DDH 002331	149.38	150.3	1.09	170	6.57	9.53	41
DDH0714	DDH 002333	150.3	151.255	0.62	85	4.95	10.85	16
DDH0714	DDH 002334	151.255	151.235	0.76	170	5.83	10.11	25
DDH0714	DDH 002335	151.235	153.215	1.06	170	6.42	9.69	49
DDH0714	DDH 002336	153.215	154.195	1.31	254	6.59	9.00	41
DDH0714	DDH 002337	154.195	155.14	1.31	254	7.20	8.31	57
DDH0714	DDH 002338	155.14	156.08	1.33	254	6.53	8.73	57
DDH0714	DDH 002339	156.08	156.96	1.1	170	5.88	8.47	41
DDH0714	DDH 002340	156.96	157.9	1.44	254	6.34	8.20	49
DDH0714	DDH 002341	157.9	158.855	0.78	170	11.54	6.67	25

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002342	158.855	159.835	1.14	254	9.09	7.83	41
DDH0714	DDH 002344	159.835	160.755	1.81	339	9.16	7.36	90
DDH0714	DDH 002345	160.755	161.7	1.9	424	8.60	7.52	82
DDH0714	DDH 002346	161.7	162.665	1.59	339	8.04	8.47	57
DDH0714	DDH 002347	162.665	163.585	1.25	254	6.90	9.16	25
DDH0714	DDH 002348	163.585	164.505	1.94	424	10.07	6.88	82
DDH0714	DDH 002349	164.505	165.455	1.71	339	9.58	7.09	66
DDH0714	DDH 002350	165.455	166.455	1.37	254	8.60	7.99	57
DDH0714	DDH 002351	166.455	167.43	1.21	254	6.25	9.37	33
DDH0714	DDH 002352	167.43	168.36	0.87	170	5.80	9.00	41
DDH0714	DDH 002353	168.36	169.31	0.92	170	6.31	9.05	33
DDH0714	DDH 002355	169.31	170.27	0.99	170	5.91	8.89	33
DDH0714	DDH 002356	170.27	171.2	1.36	254	7.27	8.26	57
DDH0714	DDH 002357	171.2	172.185	1.79	339	7.41	7.78	66
DDH0714	DDH 002358	172.185	173.13	2.64	509	9.51	6.51	98
DDH0714	DDH 002359	173.13	174.085	2.25	424	9.09	6.93	98
DDH0714	DDH 002360	174.085	175.045	1.41	254	12.59	5.93	57
DDH0714	DDH 002361	175.045	176.015	1.12	254	8.81	7.52	41
DDH0714	DDH 002362	176.015	177.005	1.4	254	7.27	7.89	49
DDH0714	DDH 002363	177.005	177.955	1.37	254	8.46	7.36	49
DDH0714	DDH 002364	177.955	178.925	1.13	254	8.18	7.62	49
DDH0714	DDH 002366	178.925	179.905	1.55	339	5.29	9.05	74
DDH0714	DDH 002367	179.905	180.885	0.98	170	6.94	8.57	33
DDH0714	DDH 002368	180.885	181.865	1.22	254	6.77	8.68	49
DDH0714	DDH 002369	181.865	182.83	1.28	254	7.13	8.26	49
DDH0714	DDH 002370	182.83	183.76	1.33	254	7.48	8.20	82
DDH0714	DDH 002371	183.76	184.735	1.77	339	8.81	7.25	66
DDH0714	DDH 002372	184.735	185.7	1.7	339	10.14	6.93	74
DDH0714	DDH 002373	185.7	186.67	1.35	254	10.14	6.99	74
DDH0714	DDH 002374	186.67	187.64	2.86	594	8.39	6.77	131
DDH0714	DDH 002375	187.64	188.62	3.42	678	9.02	6.14	164
DDH0714	DDH 002377	188.62	189.57	1.83	424	8.11	7.62	82
DDH0714	DDH 002378	189.57	190.53	1.31	254	7.62	8.10	66
DDH0714	DDH 002379	190.53	191.51	1.46	254	6.64	9.05	57
DDH0714	DDH 002380	191.51	192.46	0.85	170	11.26	7.30	41
DDH0714	DDH 002381	192.46	193.435	1.48	339	10.56	6.72	74
DDH0714	DDH 002382	193.435	194.435	2.79	594	7.13	7.62	147

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002383	194.435	195.395	1.92	424	7.69	8.57	82
DDH0714	DDH 002384	195.395	196.245	1.31	254	9.37	7.04	66
DDH0714	DDH 002385	196.245	197.145	1.52	339	9.23	7.20	82
DDH0714	DDH 002386	197.145	198.095	1.42	339	8.18	6.93	82
DDH0714	DDH 002388	198.095	199.055	4.66	1,018	8.32	4.71	254
DDH0714	DDH 002389	199.055	200.035	5.15	1,102	7.83	4.61	262
DDH0714	DDH 002390	200.035	201.005	3.38	763	7.55	6.40	188
DDH0714	DDH 002391	201.005	201.995	3.34	678	9.44	5.66	164
DDH0714	DDH 002392	201.995	202.965	2.4	509	10.56	6.19	106
DDH0714	DDH 002393	202.965	203.94	2.19	424	9.65	6.77	123
DDH0714	DDH 002394	203.94	204.875	1.62	339	9.37	6.77	82
DDH0714	DDH 002395	204.875	205.795	0.91	170	7.83	6.83	25
DDH0714	DDH 002396	205.795	206.77	1.42	254	8.39	7.41	82
DDH0714	DDH 002397	206.77	207.65	0.88	170	8.32	7.78	41
DDH0714	DDH 002399	207.65	208.605	1.18	254	8.60	7.57	41
DDH0714	DDH 002400	208.605	209.555	1.55	339	6.29	8.57	57
DDH0714	DDH 002401	209.555	210.48	1.5	339	5.02	9.05	57
DDH0714	DDH 002402	210.48	211.41	1.36	254	5.66	7.94	66
DDH0714	DDH 002403	211.41	212.335	0.79	170	6.56	8.04	49
DDH0714	DDH 002404	212.335	213.25	1.74	339	8.11	8.20	74
DDH0714	DDH 002405	213.25	214.22	1.76	339	6.83	8.26	74
DDH0714	DDH 002406	214.22	215.21	2.45	509	6.41	7.52	98
DDH0714	DDH 002407	215.21	216.18	2.77	594	8.95	6.51	131
DDH0714	DDH 002408	216.18	217.115	1.93	424	6.83	8.04	74
DDH0714	DDH 002410	217.115	218.075	1.01	254	6.02	8.10	41
DDH0714	DDH 002411	218.075	219.045	2.04	424	7.41	7.20	90
DDH0714	DDH 002412	219.045	220.035	2.16	424	7.34	6.93	90
DDH0714	DDH 002413	220.035	221.02	1.66	339	7.83	7.57	82
DDH0714	DDH 002414	221.02	222	1.03	170	11.75	6.19	41
DDH0714	DDH 002415	222	222.94	1.97	424	6.20	8.20	82
DDH0714	DDH 002416	222.94	223.92	2.64	594	9.86	5.87	115
DDH0714	DDH 002417	223.92	224.87	3.51	763	8.32	6.30	164
DDH0714	DDH 002418	224.87	225.78	4.22	848	7.41	6.19	197
DDH0714	DDH 002419	225.78	226.75	3.68	763	7.48	6.56	147
DDH0714	DDH 002421	226.75	226.75	2.05	424	7.27	8.10	74
DDH0714	DDH 002422	226.75	227.73	2.44	509	7.76	8.10	115
DDH0714	DDH 002423	227.73	228.68	2.12	424	8.32	6.99	106

Hole ID	Sample Number	From	To	ZrO2 %	Hf ppm	Fe %	Al %	Ta ppm
DDH0714	DDH 002424	228.68	229.61	2.55	509	6.57	7.52	98
DDH0714	DDH 002425	229.61	230.55	2.03	424	9.86	6.62	98
DDH0714	DDH 002426	230.55	231.51	1.99	424	8.88	6.72	82
DDH0714	DDH 002427	231.51	231.49	1.54	339	7.48	7.94	66
DDH0714	DDH 002428	231.49	233.47	1.48	339	6.34	8.79	66
DDH0714	DDH 002429	233.47	234.405	1.18	254	7.90	8.10	41
DDH0714	DDH 002430	234.405	235.365	2.48	509	6.83	7.41	106
DDH0714	DDH 002432	235.365	236.335	1.76	339	9.02	6.77	66
DDH0714	DDH 002433	236.335	237.305	1.37	254	8.95	7.52	57
DDH0714	DDH 002434	237.305	239.245	2.31	509	8.25	6.93	115
DDH0714	DDH 002435	239.245	240.245	1.73	424	5.56	8.57	90
DDH0714	DDH 002436	240.245	241.145	2.19	424	8.25	6.77	115
DDH0714	DDH 002437	241.145	242.145	2.1	424	7.90	7.30	98
DDH0714	DDH 002438	242.145	243	1.78	339	8.53	7.20	82
AVERAGE				**1.57**	**317**	**7.93**	**7.68**	**68**

Appendix 6. Diamond drill holes DDH011-13 and DDH016-13 for all metal oxides and elements

Hole ID	SAMPLE ID	From m	To m	Al (%)	Fe (%)	Oxide Nb (ppm)	Th (ppm)	U (ppm)	Oxide Zr (%)
011-13	011-13 1	0	0.9	7.37	7.23	3748	34	16	3.65
011-13	011-13 2	0.9	2	8.45	5.98	1187	44	16	1.24
011-13	011-13 3	2	3	8.32	5.58	1402	54	20	1.34
011-13	011-13 4	3	4	8.21	6.04	1516	74	26	1.36
011-13	011-13 5	4	5	8.08	6.54	1531	50	18	1.51
011-13	011-13 6	5	6	8.47	5.75	1788	82	32	1.76
011-13	011-13 7	6	7	7.53	6.60	2003	40	16	2.24
011-13	011-13 8	7	8	6.02	7.03	3090	52	24	3.51
011-13	011-13 9	8	9	9.46	5.25	1245	74	26	1.24
011-13	011-13 10	9	10.1	9.77	5.45	1059	70	24	1.00
011-13	011-13 11	10.6	12	5.92	7.25	3233	46	20	3.42
011-13	011-13 12	12	13.6	3.49	12.87	2704	30	14	2.84
011-13	011-13 13	13.6	15	7.31	7.51	2089	34	14	2.19
011-13	011-13 14	15	16	8.66	6.69	1216	46	16	1.20
011-13	011-13 15	16	17	9.06	5.13	1302	58	18	1.30
011-13	011-13 16	17	17.8	7.34	6.47	2332	56	22	2.38

Hole ID	SAMPLE ID	From m	To m	Al (%)	Fe (%)	Oxide Nb (ppm)	Th (ppm)	U (ppm)	Oxide Zr (%)
011-13	011-13 17	17.8	18.5	6.62	9.99	1073	48	14	1.05
011-13	011-13 18	18.5	19.5	7.34	7.44	1445	52	16	1.53
011-13	011-13 19	19.5	20.2	7.91	6.74	1473	54	18	1.43
011-13	011-13 20	20.2	20.8	9.18	4.64	1502	62	20	1.46
011-13	011-13 21	20.8	22	8.5	5.28	1502	56	18	1.53
011-13	011-13 22	22	23	6.69	8.44	2146	38	14	2.13
011-13	011-13 23	23	23.9	7.4	6.43	2046	52	20	1.95
011-13	011-13 24	23.9	25	9.6	4.40	1717	62	20	1.58
011-13	011-13 25	25	26	10.8	5.99	1359	40	14	1.24
011-13	011-13 26	26	27	8.25	7.63	1845	22	10	1.93
011-13	011-13 27	27	28	4.53	6.94	5250	36	18	5.58
011-13	011-13 28	28	29.4	3.87	5.57	5979	48	24	6.17
011-13	011-13 29	29.4	30	6.71	8.82	1917	40	16	2.00
011-13	011-13 31	30	32	7.67	7.23	1273	36	14	1.28
011-13	011-13 32	32	33	8.24	5.53	1702	540	54	1.45
011-13	011-13 33	33	34	7.73	6.04	2146	30	14	2.32
011-13	011-13 34	34	35	6.93	8.54	1702	34	16	1.65
011-13	011-13 35	35	36	7.5	7.96	1044	30	10	1.07
011-13	011-13 36	36	37	8.54	5.44	1545	40	14	1.65
011-13	011-13 37	37	37.9	6.73	6.48	3090	42	18	3.50
011-13	011-13 38	37.9	39	6.82	7.45	2503	42	16	2.59
011-13	011-13 39	39	40	5.51	10.08	2446	34	14	2.53
011-13	011-13 40	40	41	7.48	7.23	1431	46	14	1.43
011-13	011-13 41	41	41.85	7.83	7.28	1273	40	12	1.23
011-13	011-13 42	41.85	43	8.57	6.30	1373	38	12	1.34
011-13	011-13 43	43	44	6.52	8.87	2360	36	14	2.57
011-13	011-13 44	44	45.85	6.61	8.96	1416	50	16	1.38
011-13	011-13 45	45.85	46	6.44	9.72	1016	42	12	1.00
011-13	011-13 46	46	47	6.86	9.09	1330	48	14	1.32
011-13	011-13 47	47	48	7.43	7.86	1330	52	16	1.28
011-13	011-13 48	48	49	7.1	7.19	1788	42	14	1.78
011-13	011-13 49	49	50	5.79	9.81	1717	60	20	1.49
011-13	011-13 50	50	50.7	5.81	8.76	1488	34	12	1.46
011-13	011-13 51	50.7	52	7.02	6.92	1116	38	12	0.97
011-13	011-13 52	52	53	5.62	7.55	2375	38	16	2.24
011-13	011-13 53	53	53.7	7.64	7.43	1831	28	10	1.76
011-13	011-13 54	53.7	55	7.96	8.52	958	18	6	0.85

Hole ID	SAMPLE ID	From m	To m	Al (%)	Fe (%)	Oxide Nb (ppm)	Th (ppm)	U (ppm)	Oxide Zr (%)
011-13	011-13 55	55	56	8.84	5.46	1345	18	8	1.30
011-13	011-13 56	56	57	9.13	5.91	1245	20	8	1.19
011-13	011-13 57			6.06	9.63	1373	54	14	1.39
011-13	011-13 58	57	58	6.57	8.50	2575	24	12	2.57
011-13	011-13 59	58	59	8.66	8.36	1631	26	10	1.59
011-13	011-13 60	59	60	5.15	9.63	2575	38	16	2.50
011-13	011-13 61	60	60.5	3.11	13.86	3576	38	16	3.57
AVERAGE				7.31	7.39	1921	52	17	1.93

Hole ID	SAMPLE ID	From m	To m	Al (%)	Fe (%)	oxide Nb (ppm)	Th (ppm)	U (ppm)	oxide Zr (%)
016-13	016-13 1	3	4	7.37	7.31	2203	38	18	2.34
016-13	016-13 2	4	5	7.61	6.95	2260	40	56	2.30
016-13	016-13 3	5	6	8.33	6.54	1431	40	12	1.34
016-13	016-13 4	6	7	7.22	10.60	1087	34	16	1.01
016-13	016-13 5	7	8	8.33	7.43	1717	52	16	1.65
016-13	016-13 6	8	9	7.73	8.06	2160	42	16	2.08
016-13	016-13 7	9	10	7.17	8.64	2131	50	18	2.05
016-13	016-13 8	10	11	8.34	8.20	1316	36	12	1.26
016-13	016-13 9	11	11.8	9.24	6.71	1187	46	16	1.11
016-13	016-13 10	11.8	13	9.59	6.35	1144	34	12	1.09
016-13	016-13 11	13	14	9.48	5.68	1330	50	16	1.09
016-13	016-13 12	14	15	9.15	5.43	1216	48	16	1.11
016-13	016-13 13	15	16	7.61	6.77	2289	44	16	2.27
016-13	016-13 14	16	17	7.41	7.88	2146	54	18	2.04
016-13	016-13 15	17	17.9	7.21	9.83	1473	42	14	1.39
016-13	016-13 16	17.9	19	7.72	7.78	1659	42	18	1.53
016-13	016-13 17	19	20	8.2	7.35	1330	40	14	1.27
016-13	016-13 18	20	21	8.06	7.08	1788	42	14	1.69
016-13	016-13 19	21	22	7.34	8.79	2074	38	14	1.90
016-13	016-13 20	22	23	6.92	9.18	2003	44	14	1.88
016-13	016-13 21	23	23.9	7.73	6.83	2561	46	18	2.49
016-13	016-13 22	23.9	25	7.56	8.09	1659	52	16	1.53
016-13	016-13 23	25	26	9.1	5.26	2060	48	18	1.96
016-13	016-13 24	26	27	10.1	6.17	1817	42	18	1.74
016-13	016-13 25	27	28	10.4	6.54	1545	50	14	1.32

Hole ID	SAMPLE ID	From m	To m	Al (%)	Fe (%)	oxide Nb (ppm)	Th (ppm)	U (ppm)	oxide Zr (%)
016-13	016-13 26	28	29	8.77	7.49	2289	28	10	2.11
016-13	016-13 27	29	29.8	4.76	8.50	5465	40	18	5.38
016-13	016-13 28	29.8	31	4.8	9.19	4535	34	18	4.50
016-13	016-13 29	31	32	6.97	8.80	1831	40	14	1.80
016-13	016-13 30	32	33	7.4	9.05	1230	32	10	1.18
016-13	016-13 32	33	34	8.17	6.69	1445	34	12	1.38
016-13	016-13 33	34	35	8.63	6.08	1774	50	18	1.70
016-13	016-13 34	35	35.8	8.17	6.22	1974	28	12	1.99
016-13	016-13 35	35.8	36.7	6.64	9.30	1931	38	16	1.89
016-13	016-13 36	36.7	39.6	7.86	7.93	1545	44	16	1.36
016-13	016-13 37	39.6	40.5	6.68	7.21	4077	42	20	3.98
016-13	016-13 38	40.5	41.95	6.61	8.93	2689	44	18	2.63
AVERAGE				**7.85**	**7.59**	**2010**	**42**	**17**	**1.93**