

## KANGANKUNDE INFILL DRILLING RESULTS DELIVER CONSISTENT HIGH GRADE RARE EARTHS

*Infill drilling shows strong continuity of high grade mineralisation from surface to end of hole in planned first phase mining areas*

### HIGHLIGHTS

- Assay results received for initial 21 holes of the Phase 3 infill drilling program with consistent outstanding high-grade mineralisation demonstrating strong continuity
- Significant intersections include:
  - ❖ 150 metres from surface to EOH averaging 3.78% TREO in KGKRC087
  - ❖ 75 metres from surface to EOH averaging 3.57% TREO in KGKDD011
  - ❖ 70 metres from surface to EOH averaging 3.44% TREO in KGKDD012
  - ❖ 150 metres from surface to EOH averaging 3.21% TREO in KGKRC086 including:
    - 38 metres @ 4.63% TREO from 74 metres to 112 metres
  - ❖ 150 metres from surface to EOH averaging 3.18% TREO in KGKRC112
  - ❖ 75 metres from surface to EOH averaging 3.15% TREO in KGKDD010
  - ❖ 150 metres from surface to EOH averaging 2.81% TREO in KGKRC103
- Samples from a further 28 holes are being analysed and expected to be released prior to the end of February
- Results from Phase 3 program aim to define a portion of Kangankunde's current Mineral Resource Estimate (MRE) of 261 million tonnes grading 2.19% TREO as Indicated category
- Updated MRE including the Indicated Resource category will be reported prior to the release of the Feasibility Study which is scheduled for the end of the March quarter
- Maiden Ore Reserve statement to be reported with Feasibility Study
- Processing plant engineering and mine development works are proceeding as planned

**Lindian's Executive Chairman, Asimwe Kabunga commented:** "Assay results from the Phase 3 drill program are an important body of work and key to the delivery of our Feasibility Study for the Stage1 mine development that is now underway. This Study, which will also include an Ore Reserve statement for Kangankunde for the first time, will allow us to very clearly define first stage CAPEX and OPEX and showcase what we expect will be a robust project that can rapidly deliver a new source of dependable supply of rare earths to processors and end users. As our quarterly report reiterates, we are well funded with lots of optionality to fund our Stage 1 plant and the initial early works phase which will be underway soon."

**Lindian's Chief Executive Officer, Alistair Stephens commented:** *"The first assays from our Phase 3 drill program are again very encouraging, with grades in one 38 metre interval of 4.63% TREO ( or 46,300 ppm TREO), and demonstrate that high grade rare earths are consistent across a ~300m section from surface of the Kangankunde deposit which is particularly noteworthy as we advance towards the Phase 1 mining and processing operation. We are on track to report our upgraded MRE this quarter which will be followed shortly thereafter by our Feasibility Study. Kangankunde is uniquely positioned as one of the world's largest rare earths projects, based on a globally recognised reporting code, and underpinned by exceptionally high grade in a market where grade is now clearly king. We anticipate a more regular flow of updates as the next two quarters unfold."*

**Lindian Resources Limited (ASX:LIN) ("Lindian" or "the Company")** is pleased to report the initial batches of assay results from the Phase 3 infill drilling program at the Kangankunde Rare Earths Project in Malawi. The Phase 3 program included forty-five (45) drillholes for 4,886 metres. The assays reported within are from a total of twenty-one (21) drill holes, eighteen (18) reverse circulation (RC) holes and three (3) core holes.

Logistical delays with shipments from Malawi during the 2023 Christmas period have caused delay in the receipt of assay results. All samples from the remaining twenty-eight (28) drillholes are currently in the assay laboratory.

All holes assayed demonstrate extensive intersections of mineralisation to end of hole, are non-radioactive and have significant percentages of critical Rare Earths metal elements neodymium and praseodymium (NdPr).

## **DRILL ASSAY RESULTS**

The holes being reported in this announcement are infill holes designed to provide sufficient data to increase the confidence level of a portion of the mineral resource estimate (MRE) to Indicated status. Once the remaining results are received from the assay laboratory the resource model will be updated and applied to detail mine design and scheduling.

The areas targeted by the Phase 3 infill program are those considered most likely to define initial feed for operation of the Stage 1 Processing facility. These are

- a) the northern area of the central carbonatite complex
- b) the western area of the central carbonatite complex; and
- c) the south-eastern area of the central carbonatite complex

### **1. Central Carbonatite North**

Ten of the RC holes reported in this announcement are drilled in the northern area of the central carbonatite. A summary of each hole follows:

**KGKRC086** was designed to provide definition on the north-western margin of the northern area. The hole achieved this aim intersecting an overall **150 metres at 3.21% including 38 metres at 4.63% TREO from 74 metres** depth. This high-grade intercept is showing the continuation of high-grade mineralisation in an area modelled as lower grade in the 2023 MRE.

RC holes **KGKRC087 and KGKRC112** intersected high grade mineralisation of 150 metres from surface to end of hole (EOH) averaging 3.78% TREO in KGKRC087 and 150 metres from surface to EOH averaging 3.18% TREO including surface to 76 metres averaging 3.69% TREO in KGKRC112. These holes are drilled 40 metres apart in the high-grade zone of the northern area and are consistent in grade and grade distribution with the resource modelled TREO.

**KGKRC089 and KGKRC110** were drilled on the south-eastern margin of the northern zone. Both intersected mineralisation consistent with, or potentially higher in grade, than the resource model estimation of this area.

**KGKRC123 and KGKRC124** were drilled to test the eastern margin of the northern area mineralisation. Both holes achieved their aim with KGKRC123 also intersecting high grade mineralisation from surface to 90 metres grading 3.14% TREO which is higher than the expected grade of that area.

**KGKRC100** was designed up dip from previously reported KGKDD004 (245.6 metres at 2.78% TREO from surface) and intersected 150 metres at 2.59% TREO including 48 metres at 3.31% TREO from 2 metres.

**KGKRC103** drilled approximately 45 metres south of KGKRC100 tested the potential for extension of the northern area toward the southern area. The hole intersected 150 metres from surface at 2.81% TREO showing the northern mineralisation continues further south at higher grade and thickness than currently modelled.

**KGKRC125** was drilled at the northern margin of the northern area and was expected to intersect a higher component of lower grade mixed breccia effectively closing off the northern extent high grade carbonatite mineralisation in the northern area.

Results from a further 11 infill holes are pending for the northern area.

## **2. Central Carbonatite West**

Two core drill holes **KGKDD011 and KGKDD12** tested the central, near surface high grade mineralisation of the western area 50 metres apart along the strike of mineralisation. Both holes returned similar intersections of 75 metres at 3.57% TREO from surface to EOH in KGKDD011 and 70 metres at 3.44% TREO from surface to EOH in KGKDD012.

**KGKRC102** tested the eastern margin of the western mineralisation and intersected 120 metres at 2.27% TREO which includes 54 metres at 2.71% TREO from 29 metres depth. This intersection is higher grade than the resource model grade of approximately 2% in the area of the drillhole.

Four RC holes **KGKRC084, KGKRC085, KGKRC088, KGKRC105 and KGKRC111** were drilled to define the northern extent of the western mineralisation. All achieved mineralised intersections in a mixture of mixed wall rock breccia and carbonatite breccia material. Grades are overall marginally lower than expected from these holes reflecting a lack of boundary definition from the previous Phase 1 drilling.

Results from a further 9 drill holes are pending for the western area.

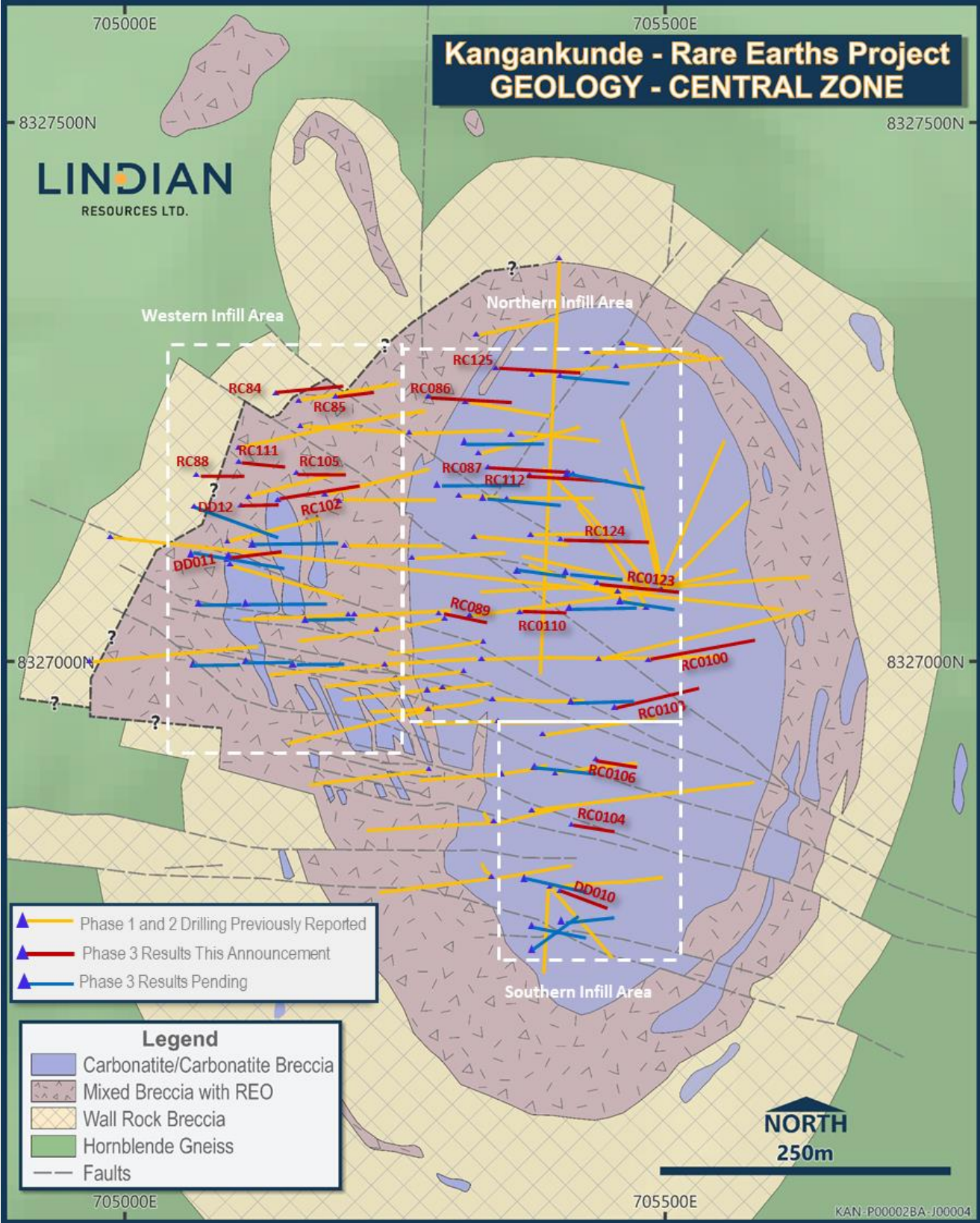


Figure 1 Kangankunde central carbonatite geology plan and drilling locations.

### 3. Central Carbonatite Southeast

Results for a single core hole **KGKDD010** have been received from the southern area. This hole intersected 75 metres from surface at 3.15% TREO consistent with the grade of the resource model for this area.

Results from a further 5 infill holes are pending from this area.

**Table 1: Significant rare earths intersections**

Hole ID	From	To	Intersection	TREO	NdPrO**	NdPrO% of	Location
<b>KGKDD010</b>	<b>0</b>	<b>75</b>	<b>75</b>	<b>3.15</b>	<b>6,479</b>	<b>20.5</b>	<b>South</b>
<b>KGKDD011</b>	<b>0</b>	<b>75</b>	<b>75</b>	<b>3.57</b>	<b>6,973</b>	<b>19.3</b>	<b>West</b>
<b>KGKDD012</b>	<b>0</b>	<b>70</b>	<b>70</b>	<b>3.44</b>	<b>6,663</b>	<b>19.4</b>	<b>West</b>
<b>KGKRC084</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>1.85</b>	<b>3,913</b>	<b>21.5</b>	<b>West</b>
<b>KGKRC085</b>	<b>0</b>	<b>50</b>	<b>50</b>	<b>1.45</b>	<b>3,163</b>	<b>21.9</b>	<b>West</b>
<b>KGKRC086</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>3.21</b>	<b>6,648</b>	<b>20.3</b>	<b>North</b>
<i>Including</i>	74	112	38	4.63	6,070	20.4	
<b>KGKRC087</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>3.78</b>	<b>6765</b>	<b>18.1</b>	<b>North</b>
<b>KGKRC088</b>	<b>0</b>	<b>80</b>	<b>80</b>	<b>1.23</b>	<b>2714</b>	<b>22.6</b>	<b>West</b>
<b>KGKRC089</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>2.55</b>	<b>4,930</b>	<b>19.6</b>	<b>North</b>
<i>Including</i>	79	100	21	3.40	6,230	18.5	
<b>KGKRC100</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>2.59</b>	<b>5,587</b>	<b>21.6</b>	<b>North</b>
<i>Including</i>	2	50	48	3.31	7,257	21.5	
<b>KGKRC102</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>2.27</b>	<b>4,631</b>	<b>20.8</b>	<b>West</b>
<i>Including</i>	29	83	44	2.71	5590	21.06	
<b>KGKRC103</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>2.81</b>	<b>5,603</b>	<b>20.3</b>	<b>North</b>
<b>KGKRC104</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>1.00</b>	<b>2,279</b>	<b>22.8</b>	<b>South</b>
<b>KGKRC105</b>	<b>0</b>	<b>80</b>	<b>80</b>	<b>2.30</b>	<b>4,663</b>	<b>20.9</b>	<b>West</b>
<b>KGKRC106</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>1.09</b>	<b>2,675</b>	<b>24.9</b>	<b>South</b>
<b>KGKRC110</b>	<b>0</b>	<b>80</b>	<b>80</b>	<b>2.59</b>	<b>4,889</b>	<b>19.1</b>	<b>North</b>
<b>KGKRC111</b>	<b>0</b>	<b>80</b>	<b>80</b>	<b>1.60</b>	<b>3,560</b>	<b>22.8</b>	<b>West</b>
<b>KGKRC112</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>3.18</b>	<b>6,186</b>	<b>18.5</b>	<b>North</b>
<i>Including</i>	0	76	76	3.69	7,298	19.0	
<b>KGKRC123</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>2.48</b>	<b>5088</b>	<b>20.8</b>	<b>North</b>
<i>Including</i>	0	90	90	3.14	6352	20.3	
<b>KGKRC124</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>2.50</b>	<b>5092</b>	<b>20.0</b>	<b>North</b>
<b>KGKRC125</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>1.84</b>	<b>3919</b>	<b>22.0</b>	<b>North</b>

\* Bold text entire hole no cut-off applied; internal intersections accumulated at > 2% TREO cut-off.

\*\* NdPrO = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub>, \*\*\* NdPrO% / TREO% x 100, \*\*\*\* previously reported

### Non-Radioactive Mineralisation

Radionuclides uranium (U) and thorium (Th) continue to be low in all areas. Detailed interval assays are represented in Appendix 2 of this release. The Company has independent confirmation of the low radiation of mineralisation at Kangankunde, with independent government agency ANSTO Minerals (Australia Nuclear Science Technology Organisation) confirming that Kangankunde Rare Earth mineral concentrates are not classified as radioactive for transport.

### DRILLING PROGRAM STATUS

The Phase 3 program has been completed with 45 RC holes for 4,666 metres and 3 core drill holes for 220 metres. The program was designed to give infill data for resource evaluation and mine planning of areas targetted to potentially provide the intial years of production.

The status of the drill hole sampling and assay is as follows:

**Table 2: Completed and pending assays at 30 January 2024**

Hole Number	Reported	At Laboratory
KGKDD010	✓	
KGKDD011	✓	
KGKDD012	✓	
KGKRC084	✓	
KGKRC085	✓	
KGKRC086	✓	
KGKRC087	✓	
KGKRC088	✓	
KGKRC089	✓	
KGKRC090		✓
KGKRC091		✓
KGKRC092		✓
KGKRC093		✓
KGKRC094		✓
KGKRC095		✓
KGKRC096		✓
KGKRC097		✓
KGKRC098		✓
KGKRC099		✓
KGKRC100	✓	
KGKRC101		✓
KGKRC102	✓	
KGKRC103	✓	
KGKRC104	✓	

Hole Number	Reported	At Laboratory
KGKRC105	✓	
KGKRC106	✓	
KGKRC107		✓
KGKRC108		✓
KGKRC109		✓
KGKRC110	✓	
KGKRC111	✓	
KGKRC112	✓	
KGKRC113		✓
KGKRC114		✓
KGKRC115		✓
KGKRC116		✓
KGKRC117		✓
KGKRC118		✓
KGKRC119		✓
KGKRC120		✓
KGKRC121		✓
KGKRC122		✓
KGKRC123	✓	
KGKRC124	✓	
KGKRC125	✓	

## KANGANKUNDE INFERRED MINERAL RESOURCE

In August 2023, Lindian announced its maiden Mineral Resource Estimate (MRE) for the Kangankunde Rare Earths Project in Malawi of 261 million tonnes averaging 2.19% TREO above a 0.5% TREO cutoff grade, and estimated in accordance with JORC 2012 guidelines. The Company confirms that is not aware of any new information or data that materially affects the information included in the original ASX announcement (with JORC Table 1) released on 3 August 2023.

Resource Classification	Tonnes (millions)	TREO (%)	NdPr% of TREO** (%)	Tonnes Contained NdPr* (millions)
<b>Inferred Resource</b>	<b>261</b>	<b>2.19</b>	<b>20.2</b>	<b>1.2</b>

Mineral Resource using a 0.5% TREO cut-off grade. Rounding has been applied to 1.0Mt for tonnes and 0.1% NdPr% of TREO which may influence total calculation. \* NdPr = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub>, \*\* NdPrO% / TREO% x 100

## KANGANKUNDE INFERRED MINERAL RESOURCE (by domain)

Inferred Classification by Domain	Tonnes (millions)	TREO (%)	NdPr% of TREO (%)	Tonnes Contained NdPr* (000's)
Domain 1	58	1.76	22.0	225
Domain 2	72	1.91	20.7	285
<b>Domain 3</b>	<b>23</b>	<b>3.23</b>	<b>18.5</b>	<b>137</b>
Domain 4	60	2.40	19.5	281
Domain 5	46	2.34	20.4	220

\* NdPr = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub>. Rounding has been applied to 1.0Mt for tonnes and 0.1% NdPr% of TREO which may influence total calculation. Domain total may differ from the global resource estimate due to rounding.

## PROCESSING PLANT ENGINEERING

Lindian's team also progressed with:

- Determination of the preferred provider in relation to the tender of civil works contract(s), inclusive of works for the access road upgrade, bulk earthworks for the Plant & associated infrastructure, Tails Storage Facility (TSF) and Return Water Dam (RWD),
- Finalisation of the tender for the supply of Process Plant and associated infrastructure for Engineering, Procurement, Construction and Commissioning,
- Resource model update and detailed mine design and mine schedule,
- Short-listing of power and fuel supply options, and
- Contract terms being finalised for all stream of works.

- ENDS -

This ASX announcement was authorised for release by the Board of Lindian Resources Limited.

### For further information, please contact:

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## About Lindian

### RARE EARTHS

**Lindian Resources Limited** has ownership of Malawian registered Rift Valley Resource Developments Limited that has 100% title to Exploration Licence EPL0514/18R and Mining Licence MML0290/22, supported by an Environmental and Social Impact Assessment Licence No.2:10:16. In August 2023, Lindian released its maiden Mineral Resource Estimate (MRE) for the Kangankunde Rare Earths Project in Malawi of *261 million tonnes averaging 2.19% TREO* above a 0.5% TREO, refer ASX announcement of 3 August 2023.

### **Tenure and licences**

Lindian Resources Limited will progressively acquire 100% of Malawian registered Rift Valley Resource Developments Limited and its 100% owned title to Exploration Licence EPL0514/18R and Mining Licence MML0290/22 (refer ASX announcement ASX:LIN dated 1 August 2022) issued under the Malawi Mines and Minerals Act 2018. The Exploration and Mining Licences have an Environmental and Social Impact Assessment Licence No.2:10:16 issued under the Malawi Environmental Management Act No. 19 of 2017.

### BAUXITE

**Lindian Resources Limited** has Bauxite resources (refer company website for access to resources statements and competent persons statements) in Guinea with the Gaoual, Lelouma and Woula projects. Guinean bauxite is known as the premier bauxite location in the world, having high grade and low impurities premium quality bauxite.

## Forward Looking Statements

This announcement may include forward-looking statements, based on Lindian's expectations and beliefs concerning future events. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of Lindian, which could cause actual results to differ materially from such statements. Lindian makes no undertaking to subsequently update or revise the forward-looking statements made in this announcement, to reflect the circumstances or events after the date of the announcement.

## Competent Persons Statement – Kangankunde Exploration Results

The information in this Report that relates to drilling, sampling, and assay results is based on information compiled by Mr. Alistair Stephens, who is a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM). Mr. Stephens is the Chief Executive Officer of Lindian Resources Limited. Mr. Stephens has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr. Stephens consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Unless otherwise stated, where reference is made to previous releases of exploration results in this announcement, the Company conforms that it is not aware of any new information or data that materially affects the information included in those announcements and all material assumptions and technical parameters underpinning the exploration results included in those announcements continue to apply and have not materially changed.

The information in this report that relates to previous Exploration Results was prepared and first disclosed under the JORC Code 2012 and has been properly and extensively cross-referenced in the text to the date of the original announcement to the ASX.

The Competent Persons' consents remain in place for subsequent releases by the Company of the same information in the same form and context, until the consents are withdrawn or replaced by a subsequent report and accompanying consent. The Company is not aware of any new information or data that materially affects the information in the ASX announcement of 3 August 2023 originally referencing its resources estimate, and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.



## Competent Persons Statement – Kangankunde Mineral Resource Estimate

The information in this report that relates to a Mineral Resource Estimate for the Kangankunde Rare Earths deposit was first released to the ASX on 3 August 2023 in an announcement titled “Lindian Reports Maiden Mineral Resource Estimate of 261 Million Tonnes at High Grade of 2.19% TREO”, is available to view at [www.lindianresources.com.au](http://www.lindianresources.com.au) and for which Competent Persons’ consents were obtained. The Competent Persons’ consents remain in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent. Unless otherwise stated, where reference is made to previous releases of a Mineral Resource Estimate for the Kangankunde Rare Earths deposit in this announcement, the Company confirms that it is not aware of any new information or data that materially affects the Mineral Resource Estimate included in those announcements and all material assumptions and technical parameters underpinning the Mineral Resource Estimate included in those announcements continue to apply and have not materially changed. The information in this report that relates to a Mineral Resource Estimate for the Kangankunde Rare Earths deposit was prepared and first disclosed under the JORC Code 2012 and has been properly and extensively cross-referenced in the text to the date of the original announcement to the ASX.

### Appendix 1: Kangankunde Rare Earths Project Hole Details (Datum UTM WGS84 Zone 36S)

Drill Hole ID	Drill Type	UTM East (m.)	UTM North (m.)	Elevation (m.a.s.l.)	Hole Length EOH (m.)	Azimuth TN (Ave.)	Inclination (Ave.)
KGKDD010	DD	705399	8326788	804	75	111.7	-53.4
KGKDD011	DD	705084	8327100	734	75	82.5	-48.4
KGKDD012	DD	705096	8327149	734	70	86.8	-57.6
KGKRC084	RC	705129	8327254	713	100	85.2	-53.1
KGKRC085	RC	705186	8327253	727	50	86.5	-54.8
KGKRC086	RC	705273	8327249	736	150	93.4	-57.3
KGKRC087	RC	705327	8327183	740	150	94.5	-57.5
KGKRC088	RC	705058	8327176	714	80	92.3	-59.0
KGKRC089	RC	705282	8327047	794	100	100.6	-59.9
KGKRC100	RC	705479	8327004	788	150	80.3	-45.3
KGKRC102	RC	705130	8327155	744	120	82.0	-52.1
KGKRC103	RC	705448	8326960	784	150	74.7	-58.7
KGKRC104	RC	705410	8326849	788	60	97.4	-54.4
KGKRC105	RC	705149	8327178	745	80	91.1	-60.0
KGKRC106	RC	705432	8326908	782	60	98.0	-53.8
KGKRC110	RC	705358	8327050	798	80	88.1	-58.1
KGKRC111	RC	705092	8327187	722	80	96.7	-58.3
KGKRC112	RC	705365	8327178	742	150	90.6	-61.7
KGKRC123	RC	705433	8327077	794	150	96.1	-58.2
KGKRC124	RC	705399	8327118	772	150	92.3	-56.3
KGKRC125	RC	705342	8327276	710	150	93.9	-55.0

## Appendix 2: Analytical Results This Release

Note: NS= No sample

-ve value = Below detection limit

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm	
KGKDD010	0.00	2.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKDD010	2.00	2.99	7157	12942	1219	3458	234	38.0	64.5	4.9	11.6	1.3	2.1	0.2	1.0	0.2	31.0	2.52	36.9	2.0	
KGKDD010	2.99	4.20	15122	25705	2280	6288	390	61.3	107.5	8.0	20.3	2.2	3.1	0.3	1.0	0.1	45.2	5.00	55.6	2.7	
KGKDD010	4.20	5.00	17187	28987	2591	7003	393	62.4	106.0	7.8	19.4	2.0	2.6	0.1	0.7	-0.1	44.3	5.64	49.4	3.1	
KGKDD010	5.00	5.92	27044	44793	3925	10650	607	95.5	164.0	11.5	27.4	2.8	3.5	0.3	1.3	0.1	57.4	8.74	72.5	5.3	
KGKDD010	5.92	6.34	20695	34522	3076	8247	476	76.7	128.1	8.9	20.7	1.7	3.0	0.2	1.0	0.1	41.4	6.73	61.3	5.1	
KGKDD010	6.34	7.42	27414	46529	4116	11198	664	102.2	178.5	11.9	28.8	2.8	3.4	0.3	1.3	0.1	57.5	9.03	80.9	4.0	
KGKDD010	7.42	8.17	23170	39511	3566	9965	607	92.9	160.4	11.2	26.6	2.6	3.5	0.3	1.0	0.1	56.3	7.72	77.3	3.5	
KGKDD010	8.17	9.47	14337	25256	2356	6725	442	73.0	125.0	9.1	23.1	2.2	3.0	0.3	1.3	-0.1	45.6	4.94	72.5	2.0	
KGKDD010	9.47	10.50	7486	14408	1455	4597	419	77.6	142.6	10.8	31.5	2.9	4.5	0.3	1.2	0.2	65.8	2.87	115.1	3.1	
KGKDD010	10.50	11.50	3827	7490	791	2546	262	49.3	98.3	8.5	25.4	2.5	4.1	0.3	1.8	0.2	58.7	1.52	86.2	2.6	
KGKDD010	11.50	12.60	6794	13445	1365	4118	327	55.1	96.1	6.6	18.5	1.7	3.3	0.2	2.1	0.2	43.6	2.63	60.6	5.4	
KGKDD010	12.60	13.24	6932	13426	1351	4126	360	63.0	120.9	9.3	25.6	2.6	3.9	0.3	1.3	0.2	58.5	2.65	84.6	2.9	
KGKDD010	13.24	13.93	4213	7890	760	2207	175	32.4	64.9	6.2	19.2	2.0	3.3	0.2	2.3	0.2	52.8	1.54	53.7	2.5	
KGKDD010	13.93	14.74	4472	8665	876	2613	210	36.5	67.7	5.7	15.3	1.5	2.3	0.2	1.5	0.2	38.4	1.70	48.1	3.7	
KGKDD010	14.74	16.00	11556	21020	1980	5571	358	54.8	89.2	6.2	14.9	1.5	2.6	0.2	0.9	0.2	33.5	4.07	43.4	1.7	
KGKDD010	16.00	17.00	6408	12442	1218	3600	252	40.3	71.3	5.2	13.8	1.7	2.9	0.3	1.7	0.2	37.0	2.41	42.5	2.7	
KGKDD010	17.00	17.38	6895	13209	1306	3727	247	38.2	64.9	4.1	13.1	1.4	2.5	0.3	1.7	0.2	35.2	2.55	33.6	7.4	
KGKDD010	17.38	17.75	14905	26417	2387	6430	360	55.6	95.3	7.4	19.1	2.2	3.0	0.3	1.2	-0.1	44.5	5.07	50.4	0.9	
KGKDD010	17.75	18.10	10868	21470	2143	6486	434	65.5	112.2	8.5	19.6	2.1	3.1	0.2	0.9	0.1	47.1	4.17	66.5	1.9	
KGKDD010	18.10	20.05	12931	23790	2287	6598	427	66.0	110.4	7.7	19.5	2.0	3.3	0.3	1.7	0.2	44.6	4.63	53.4	1.8	
KGKDD010	20.05	21.00	17983	34941	3486	10393	693	105.7	172.5	10.5	25.1	2.5	4.2	0.5	1.9	0.2	53.6	6.79	76.5	2.1	
KGKDD010	21.00	21.87	15490	28691	2731	7886	503	76.2	124.8	8.0	18.7	1.8	3.1	0.3	1.1	0.2	40.3	5.56	52.3	2.2	
KGKDD010	21.87	22.47	11758	20538	1848	4967	299	45.9	76.6	5.8	13.0	1.5	2.2	0.3	1.1	0.2	33.5	3.96	40.1	1.5	
KGKDD010	22.47	23.20	8031	14496	1348	3669	231	35.2	59.2	4.5	12.9	1.3	2.2	0.2	0.6	0.1	30.0	2.79	32.1	1.3	
KGKDD010	23.20	23.75	6988	13413	1268	3464	208	33.7	54.1	4.4	11.9	1.5	2.4	0.2	1.1	0.1	32.3	2.55	23.5	1.7	
KGKDD010	23.75	24.23	6714	13170	1254	3464	230	38.0	65.2	5.7	17.0	1.7	2.7	0.2	1.7	0.2	40.1	2.50	48.7	1.0	
KGKDD010	24.23	25.21	5451	10882	1103	3254	258	46.2	84.0	5.9	16.9	1.7	2.5	0.2	1.0	-0.1	38.1	2.11	70.4	1.4	
KGKDD010	25.21	26.00	2286	4424	449	1361	120	21.5	45.2	4.2	15.5	1.6	2.5	0.2	1.4	0.1	37.6	0.88	44.0	1.4	
KGKDD010	26.00	26.49	2291	4604	465	1429	131	26.6	52.9	5.5	22.7	2.2	3.1	0.3	1.2	0.2	49.5	0.91	51.5	2.7	
KGKDD010	26.49	27.41	5606	11131	1105	3252	232	39.1	67.8	4.9	13.4	1.4	2.5	0.2	0.9	0.2	31.0	2.15	34.6	3.4	
KGKDD010	27.41	28.88	6960	13686	1343	3977	310	53.8	98.3	6.6	17.2	2.0	2.7	0.3	1.6	0.1	38.9	2.65	55.5	2.2	
KGKDD010	28.88	29.38	1881	3988	410	1253	103	17.7	33.5	2.7	7.7	1.0	2.3	0.2	1.4	0.1	25.1	0.77	18.3	0.8	
KGKDD010	29.38	29.78	5607	11160	1113	3158	237	39.6	69.7	4.9	13.3	1.6	2.4	0.3	1.0	0.2	34.9	2.14	33.3	1.7	
KGKDD010	29.78	30.17	3314	6490	654	1904	131	23.2	40.3	3.1	11.0	1.6	2.3	0.2	0.6	-0.1	32.6	1.26	18.0	1.4	
KGKDD010	30.17	30.90	8913	18403	1817	5370	343	54.4	94.8	6.4	18.8	2.2	2.9	0.3	1.4	0.1	46.5	3.51	43.0	1.1	
KGKDD010	30.90	31.54	7474	15374	1543	4567	314	50.0	82.7	5.8	14.8	1.5	2.3	0.2	1.0	0.2	33.0	2.95	37.2	2.3	
KGKDD010	31.54	31.80	8635	18007	1863	5472	353	53.0	88.7	5.8	14.9	1.5	2.7	0.2	1.6	0.2	35.6	3.45	36.8	1.9	
KGKDD010	31.80	32.20	6375	13511	1391	4072	275	42.5	71.8	4.7	12.2	1.3	1.8	0.2	1.1	0.1	28.2	2.58	33.4	0.8	

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD010	32.20	32.68	3720	8313	869	2621	182	27.3	43.1	3.1	7.7	0.8	1.3	0.1	0.8	-0.1	17.9	1.58	22.4	0.9
KGKDD010	32.68	33.77	8286	18838	1997	6157	430	63.9	107.4	6.6	14.6	1.7	3.1	0.2	1.5	0.2	35.1	3.59	46.7	4.8
KGKDD010	33.77	34.39	5608	12161	1267	3763	265	41.1	68.0	4.7	13.2	1.3	2.2	0.2	1.2	0.1	28.2	2.32	32.8	2.9
KGKDD010	34.39	35.00	6029	12737	1297	3842	258	40.9	64.9	4.8	11.7	1.3	2.3	0.2	1.3	0.1	29.7	2.43	29.3	2.4
KGKDD010	35.00	35.75	6074	13061	1344	3973	268	42.5	68.5	4.2	10.6	1.0	2.1	0.2	1.3	0.1	26.9	2.49	31.3	1.1
KGKDD010	35.75	36.29	6393	13301	1375	4009	271	42.5	68.4	4.6	10.7	1.2	1.8	0.2	0.8	0.1	23.8	2.55	30.8	0.8
KGKDD010	36.29	36.92	5330	11947	1148	3357	228	35.8	60.1	4.0	9.3	1.0	1.8	0.2	0.7	0.1	23.2	2.21	26.2	1.9
KGKDD010	36.92	37.80	5420	12026	1276	3807	259	40.2	65.0	4.5	10.9	1.2	1.8	0.2	0.7	-0.1	23.2	2.29	31.0	0.9
KGKDD010	37.80	38.14	8627	18309	1893	5670	374	58.2	96.1	6.4	16.5	1.7	2.9	0.2	1.4	0.2	36.7	3.51	42.8	1.4
KGKDD010	38.14	38.95	5219	11248	1152	3445	236	36.4	60.9	3.9	10.0	1.0	1.5	0.2	1.5	0.1	23.4	2.14	28.9	5.6
KGKDD010	38.95	39.62	3919	8160	828	2475	170	27.1	47.1	3.3	9.8	1.0	2.1	0.1	1.1	0.1	24.6	1.57	24.0	1.3
KGKDD010	39.62	40.44	6231	13124	1343	3945	273	42.0	74.3	5.4	15.7	1.5	2.9	0.3	0.8	-0.1	35.4	2.51	40.8	1.2
KGKDD010	40.44	41.14	7911	16997	1733	5274	362	56.9	92.7	6.7	18.6	1.6	2.9	0.2	1.0	0.1	40.3	3.25	46.9	1.6
KGKDD010	41.14	41.55	14532	29492	2959	9065	614	95.0	157.1	9.5	20.4	2.0	2.3	0.2	1.4	0.1	42.9	5.70	84.6	1.4
KGKDD010	41.55	42.42	13457	25729	2521	7384	512	80.2	136.2	8.8	20.3	1.8	2.7	0.3	1.3	0.1	40.5	4.99	77.2	1.6
KGKDD010	42.42	43.24	7087	15038	1568	4628	320	50.6	86.1	6.0	14.9	1.5	2.4	0.2	1.3	0.1	31.6	2.88	40.9	2.5
KGKDD010	43.24	44.45	5378	11560	1200	3519	236	37.5	60.6	3.9	9.0	1.0	1.6	0.2	0.8	0.1	23.0	2.20	28.6	1.8
KGKDD010	44.45	45.04	3989	8293	830	2468	169	27.2	45.7	3.1	8.5	1.0	1.8	0.2	0.8	0.1	24.5	1.59	22.7	3.1
KGKDD010	45.04	45.68	15437	32370	3246	9669	629	94.6	148.0	9.3	20.0	1.6	2.5	0.2	0.8	0.1	36.3	6.17	74.7	1.9
KGKDD010	45.68	46.80	18180	38611	3973	12095	856	134.1	217.6	13.3	27.8	2.6	3.7	0.3	1.0	0.1	52.8	7.42	100.5	2.3
KGKDD010	46.80	47.30	10818	23148	2354	7066	478	75.4	120.8	7.8	19.1	2.0	2.4	0.3	0.9	0.1	37.0	4.41	50.9	1.8
KGKDD010	47.30	48.34	17887	36794	3732	10970	720	109.5	175.7	10.5	22.0	2.1	2.6	0.2	0.8	-0.1	37.8	7.05	76.2	2.5
KGKDD010	48.34	48.59	5479	12363	1303	3927	287	48.8	83.9	5.8	15.0	1.4	1.8	0.2	0.8	0.1	31.8	2.35	47.5	5.7
KGKDD010	48.59	50.20	2361	5321	577	1758	128	20.5	35.5	2.7	6.0	0.7	1.1	-0.1	0.8	-0.1	15.1	1.02	14.5	3.9
KGKDD010	50.20	51.20	2021	4543	483	1508	113	18.2	32.9	2.2	6.1	0.7	1.1	0.1	0.7	-0.1	13.8	0.87	15.6	1.6
KGKDD010	51.20	52.20	2762	6092	639	1952	137	22.6	38.5	2.7	7.6	0.9	1.8	0.1	1.1	0.1	20.5	1.17	16.1	3.1
KGKDD010	52.20	53.20	1937	4347	478	1473	109	17.8	30.2	2.0	5.6	0.7	1.1	-0.1	0.3	0.1	14.4	0.84	14.3	3.9
KGKDD010	53.20	54.20	3308	8063	924	2997	261	44.7	77.7	5.3	12.2	1.3	2.1	0.2	0.8	0.1	26.9	1.57	43.3	2.4
KGKDD010	54.20	55.20	1940	4777	549	1826	165	29.9	56.5	3.8	11.1	1.2	1.9	0.2	1.3	0.1	25.9	0.94	36.1	2.1
KGKDD010	55.20	55.75	3239	7234	776	2370	173	28.0	47.7	3.5	8.4	0.9	1.5	0.2	0.9	0.1	21.1	1.39	23.9	3.1
KGKDD010	55.75	56.58	5486	11840	1230	3615	260	43.3	74.1	4.9	13.7	1.3	2.6	0.2	1.1	0.1	30.6	2.26	42.5	7.1
KGKDD010	56.58	57.00	3131	7165	780	2442	178	27.6	47.5	3.3	8.7	0.9	1.7	0.2	1.0	0.1	21.6	1.38	20.0	4.6
KGKDD010	57.00	57.36	3010	6989	751	2323	163	26.8	44.2	3.1	8.7	0.8	1.5	0.2	0.7	-0.1	18.2	1.33	25.7	4.6
KGKDD010	57.36	57.67	9396	20506	2157	6603	516	88.2	167.2	11.8	29.5	2.6	3.5	0.3	0.8	0.2	56.6	3.95	107.9	2.0
KGKDD010	57.67	58.26	3614	7965	823	2500	183	27.9	45.2	3.4	8.6	0.9	1.8	0.1	1.1	0.1	20.7	1.52	25.1	3.5
KGKDD010	58.26	58.79	2663	5694	584	1735	115	18.1	28.4	2.2	5.2	0.6	1.0	0.2	0.7	0.1	14.2	1.09	16.8	2.5
KGKDD010	58.79	59.79	10370	19847	1958	5627	337	50.0	78.4	5.1	11.0	1.2	1.9	0.2	0.7	-0.1	27.1	3.83	39.1	1.4
KGKDD010	59.79	60.58	9319	19109	1942	5908	398	62.2	97.5	6.5	16.1	1.5	2.7	0.2	1.2	0.1	31.6	3.69	48.7	1.3
KGKDD010	60.58	61.30	9636	21206	2234	6932	473	73.1	117.7	6.8	15.3	1.5	1.9	0.2	0.5	-0.1	29.0	4.07	57.2	1.0
KGKDD010	61.30	61.63	5770	12541	1328	4074	306	51.1	87.7	5.9	14.2	1.3	2.1	0.2	0.9	0.2	29.7	2.42	48.5	1.1
KGKDD010	61.63	62.28	7975	17928	1961	6392	454	67.2	106.9	6.4	15.6	1.4	1.8	0.1	1.1	-0.1	29.8	3.49	49.2	0.9
KGKDD010	62.28	63.17	6816	14989	1582	4784	337	51.1	81.5	5.1	13.5	1.4	2.4	0.3	1.3	0.2	29.7	2.87	38.4	1.2
KGKDD010	63.17	64.78	10710	22783	2362	7314	520	82.0	131.9	8.8	21.2	2.3	3.5	0.3	1.4	0.2	46.0	4.40	61.7	2.0
KGKDD010	64.78	65.20	8009	16738	1677	4982	340	52.9	88.5	6.1	16.3	1.4	2.1	0.2	0.7	0.1	33.0	3.19	43.3	1.5
KGKDD010	65.20	65.97	13787	31390	3456	11103	880	140.5	232.9	14.4	31.9	3.0	3.8	0.3	1.3	0.1	60.7	6.11	140.7	1.3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD010	65.97	66.93	8619	18197	1873	5797	411	65.5	105.3	6.9	16.8	1.7	2.5	0.3	1.5	0.2	35.2	3.51	54.4	4.1
KGKDD010	66.93	67.59	4671	9679	994	3053	231	37.6	62.5	4.2	9.6	1.2	2.2	0.2	1.5	0.2	26.8	1.88	32.0	3.8
KGKDD010	67.59	68.00	9012	18625	1917	5868	412	64.6	104.2	6.6	16.2	1.6	2.3	0.2	1.6	0.2	33.1	3.61	48.1	1.7
KGKDD010	68.00	68.46	5298	12174	1325	4135	301	46.4	72.8	4.9	11.7	1.2	2.9	0.2	1.5	0.1	27.6	2.34	37.1	2.8
KGKDD010	68.46	69.29	5129	11448	1216	3766	273	43.0	68.8	4.6	12.3	1.3	1.8	0.3	1.1	0.2	26.7	2.20	38.8	1.4
KGKDD010	69.29	69.87	5037	11443	1239	3831	275	43.5	71.0	4.8	12.5	1.2	1.9	0.2	0.9	0.1	26.9	2.20	37.7	1.4
KGKDD010	69.87	70.76	4662	11724	1347	4433	350	54.0	86.5	5.3	13.1	1.3	1.9	0.2	1.0	0.2	29.3	2.27	39.8	1.7
KGKDD010	70.76	71.72	10538	22610	2414	7609	595	100.6	170.4	11.5	28.5	2.6	4.1	0.3	0.9	0.1	54.4	4.41	100.2	5.1
KGKDD010	71.72	72.95	6689	15740	1732	5617	436	69.1	112.3	6.8	17.5	1.7	2.5	0.2	1.6	0.2	38.1	3.05	51.0	1.1
KGKDD010	72.95	73.52	3722	8860	979	3073	233	38.0	62.9	4.1	10.4	0.9	1.7	0.1	1.2	-0.1	23.4	1.70	28.6	2.1
KGKDD010	73.52	74.15	4688	11122	1249	3968	306	48.6	76.7	4.8	11.1	1.0	1.9	0.2	0.9	0.1	26.4	2.15	36.7	1.5
KGKDD010	74.15	75.00	4525	10674	1174	3655	277	43.7	73.8	4.7	12.5	1.5	1.9	0.2	1.0	0.1	28.1	2.05	37.2	3.4
KGKDD011	0.00	2.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKDD011	2.00	2.30	2736	5196	510	1485	115	17.8	31.0	2.0	4.3	0.5	0.8	-0.1	0.4	-0.1	10.7	1.01	14.8	0.4
KGKDD011	2.30	3.21	6531	12245	1191	3422	237	35.9	61.1	4.0	9.1	0.9	1.5	0.1	0.4	-0.1	17.9	2.38	24.5	0.9
KGKDD011	3.21	4.20	22675	40077	3715	10613	710	110.6	183.4	12.6	27.3	2.8	4.0	0.2	1.6	0.1	55.5	7.82	68.5	1.7
KGKDD011	4.20	5.20	13289	24445	2324	6802	453	71.0	116.2	7.5	17.6	1.7	2.7	0.6	1.0	-0.1	34.0	4.76	43.2	1.3
KGKDD011	5.20	6.20	4124	7960	781	2288	164	26.6	45.2	2.8	6.8	0.6	0.9	-0.1	0.3	-0.1	11.7	1.54	17.6	0.9
KGKDD011	6.20	6.66	4154	7624	723	2095	149	22.0	37.2	2.5	5.7	0.5	0.7	0.1	0.3	-0.1	9.8	1.48	17.3	0.9
KGKDD011	6.66	7.30	7008	13374	1310	3767	264	41.5	64.3	4.1	9.3	0.9	1.1	-0.1	0.4	-0.1	17.3	2.59	31.0	0.9
KGKDD011	7.30	8.00	16628	29795	2791	8093	561	88.8	139.4	9.6	22.3	2.0	3.0	0.2	1.3	0.1	41.1	5.82	59.4	0.9
KGKDD011	8.00	9.00	12390	21305	1924	5398	364	60.6	102.1	7.3	16.2	1.6	2.9	0.2	1.6	0.1	33.9	4.16	41.0	0.5
KGKDD011	9.00	9.96	11922	21166	1965	5631	383	60.0	95.9	6.7	15.7	1.6	1.9	0.1	1.1	0.1	30.6	4.13	40.5	0.5
KGKDD011	9.96	10.97	13371	22902	2073	5848	390	61.0	100.7	6.9	17.0	1.6	2.4	0.2	1.2	0.2	34.8	4.48	37.8	0.6
KGKDD011	10.97	11.89	16315	29020	2682	7772	506	78.4	132.0	8.9	22.0	2.5	4.2	0.5	1.6	0.2	53.5	5.66	52.3	0.8
KGKDD011	11.89	12.67	18997	33876	3193	9092	603	95.9	157.7	10.1	21.5	2.3	3.3	0.2	1.1	0.1	43.7	6.61	62.5	0.9
KGKDD011	12.67	13.86	5833	11490	1109	3248	229	34.6	54.2	3.4	8.5	0.7	1.0	-0.1	0.4	-0.1	14.6	2.20	25.4	0.4
KGKDD011	13.86	14.27	11102	23227	2402	7307	541	86.4	134.4	8.8	18.1	1.6	1.9	0.2	0.8	-0.1	31.2	4.49	62.1	0.7
KGKDD011	14.27	14.84	17629	36019	3562	10885	772	120.5	190.1	11.6	25.6	2.3	3.0	0.2	1.1	0.2	41.0	6.93	103.1	1.8
KGKDD011	14.84	15.71	10890	20610	2022	5972	412	67.0	109.8	7.2	14.9	1.4	2.2	0.2	1.1	-0.1	28.3	4.01	56.7	0.8
KGKDD011	15.71	16.71	11083	20617	2004	5923	439	70.6	120.2	7.8	18.1	1.5	1.9	0.2	0.7	0.1	33.3	4.03	54.9	0.7
KGKDD011	16.71	17.71	7799	13414	1222	3398	233	37.3	63.4	4.1	10.9	1.0	1.7	0.1	0.6	0.1	24.6	2.62	26.1	0.4
KGKDD011	17.71	18.52	7640	12903	1151	3153	211	34.4	58.5	4.0	10.6	1.2	1.6	0.2	0.8	-0.1	22.7	2.52	22.3	0.4
KGKDD011	18.52	19.26	9470	16636	1533	4276	290	46.1	75.7	5.1	13.3	1.3	1.8	0.2	1.0	-0.1	28.2	3.24	34.9	0.4
KGKDD011	19.26	19.78	25673	42575	3952	11074	721	117.3	184.1	13.1	29.3	2.8	3.7	0.2	1.0	0.1	57.0	8.44	70.4	0.5
KGKDD011	19.78	20.78	7001	12691	1184	3353	239	39.5	68.2	4.6	11.3	1.4	1.6	0.3	1.1	0.1	26.8	2.46	30.3	0.3
KGKDD011	20.78	21.62	7263	13468	1298	3790	288	46.1	76.5	5.4	12.5	1.4	1.9	0.1	0.8	-0.1	26.3	2.63	37.4	0.4
KGKDD011	21.62	22.05	6840	12701	1190	3404	245	39.5	67.9	4.7	11.3	0.9	1.6	0.2	0.5	0.1	23.0	2.45	30.0	0.3
KGKDD011	22.05	23.00	6303	11189	1024	2930	215	36.8	62.5	4.5	11.9	1.3	2.1	0.1	0.7	-0.1	24.3	2.18	28.8	0.4
KGKDD011	23.00	23.84	6905	12703	1202	3445	246	41.3	69.9	4.9	12.7	1.3	1.9	0.2	0.6	-0.1	26.3	2.47	34.5	0.4
KGKDD011	23.84	24.24	11301	20433	1907	5487	386	62.4	106.1	7.7	20.1	1.8	2.6	0.3	1.2	0.1	39.9	3.98	58.8	0.5
KGKDD011	24.24	25.00	18634	31061	2769	7789	486	76.3	127.1	9.1	21.7	2.0	3.0	0.3	1.2	0.2	42.7	6.10	46.3	0.5
KGKDD011	25.00	26.00	17692	29480	2686	7437	486	77.8	127.8	8.0	20.0	2.0	3.0	0.3	1.4	0.2	42.8	5.81	45.1	0.6
KGKDD011	26.00	26.96	15248	25790	2285	6368	406	65.7	109.0	7.9	19.9	2.0	3.2	0.3	1.7	0.3	48.3	5.04	38.3	0.7
KGKDD011	26.96	27.31	13956	26927	2588	7411	461	70.5	111.2	7.8	19.1	1.7	2.9	0.2	1.0	0.2	42.9	5.16	55.3	0.7

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD011	27.31	27.68	7314	12726	1151	3215	219	34.6	55.4	4.0	11.6	1.3	1.9	0.1	0.8	0.1	24.1	2.48	24.1	0.9
KGKDD011	27.68	27.90	17568	29008	2555	7129	462	75.8	127.0	8.9	20.1	2.0	3.4	0.3	1.3	0.3	46.9	5.70	49.2	0.8
KGKDD011	27.90	28.81	18871	31404	2773	7731	508	82.0	139.1	9.5	22.8	2.2	3.4	0.3	1.1	0.2	49.0	6.16	54.9	0.9
KGKDD011	28.81	29.13	15371	25930	2318	6522	441	71.4	119.9	8.1	20.1	2.1	3.4	0.3	1.6	0.2	46.5	5.09	48.4	0.9
KGKDD011	29.13	30.00	15623	25328	2235	6191	407	65.5	116.0	8.1	19.2	2.1	3.4	0.3	2.0	0.2	49.3	5.00	43.2	0.8
KGKDD011	30.00	31.00	11951	19796	1722	4696	299	46.6	77.1	5.7	13.3	1.6	2.3	0.2	1.3	0.1	31.0	3.86	30.9	0.6
KGKDD011	31.00	32.00	13966	23600	2125	6004	401	63.6	114.7	7.5	19.4	2.1	4.0	0.5	2.6	0.3	50.8	4.64	43.6	0.7
KGKDD011	32.00	33.00	14550	23936	2103	5851	380	60.6	104.1	7.4	20.1	2.2	3.9	0.5	2.2	0.3	56.4	4.71	40.7	0.7
KGKDD011	33.00	33.64	9283	16164	1540	4399	336	55.8	93.4	6.6	16.9	1.6	2.7	0.2	1.0	0.2	35.9	3.19	50.0	0.9
KGKDD011	33.64	34.26	16791	29165	2647	7527	505	82.3	141.3	9.9	25.0	2.4	4.1	0.2	1.6	0.2	54.7	5.70	63.7	0.5
KGKDD011	34.26	34.87	25630	43453	3931	10931	735	117.4	203.5	14.2	33.1	3.2	4.1	0.3	1.4	0.1	64.8	8.51	86.5	0.5
KGKDD011	34.87	35.85	12981	21182	1894	5209	340	52.9	91.9	5.8	14.0	1.3	1.6	0.2	1.2	0.1	27.3	4.18	30.0	0.2
KGKDD011	35.85	36.79	29881	51166	4692	13488	900	143.5	230.8	16.7	37.9	3.8	5.4	0.5	2.2	0.3	76.2	10.06	112.2	0.9
KGKDD011	36.79	37.72	10316	18980	1824	5234	365	57.3	95.1	7.1	21.8	2.2	4.4	0.3	1.3	0.2	55.6	3.70	55.5	0.6
KGKDD011	37.72	38.51	12355	20623	1844	5173	348	55.8	92.0	5.9	14.7	1.5	2.5	0.1	0.6	0.1	30.6	4.05	39.1	0.6
KGKDD011	38.51	39.30	12009	21454	1995	5765	425	68.8	105.6	7.5	16.2	1.6	2.5	0.2	0.6	0.2	33.8	4.19	46.0	1.0
KGKDD011	39.30	40.23	11552	18882	1693	4642	302	49.7	81.9	6.1	14.6	1.3	2.3	0.2	0.9	0.1	31.8	3.73	32.8	0.4
KGKDD011	40.23	41.00	7872	13446	1211	3404	249	41.0	73.8	5.3	13.8	1.4	2.4	0.3	0.7	0.1	33.0	2.64	31.5	0.6
KGKDD011	41.00	41.92	9723	16125	1622	4665	316	49.9	82.6	5.5	12.9	1.5	2.4	0.2	0.8	0.2	32.5	3.26	35.0	0.4
KGKDD011	41.92	42.67	10168	17872	1637	4585	314	50.6	85.1	5.9	14.4	1.4	2.7	0.2	0.8	0.1	32.9	3.48	38.9	0.6
KGKDD011	42.67	43.67	7663	13839	1376	3919	282	44.0	76.8	5.2	12.1	1.3	2.1	0.2	0.6	0.2	27.7	2.72	35.2	0.4
KGKDD011	43.67	44.67	10685	18405	1779	5104	345	54.8	94.0	6.4	15.7	1.5	2.3	0.3	1.1	0.1	33.3	3.65	36.3	0.4
KGKDD011	44.67	45.67	12077	20590	1909	5266	326	52.6	88.8	6.2	14.8	1.4	2.5	0.2	1.2	-0.1	33.0	4.04	36.9	0.5
KGKDD011	45.67	46.27	10491	18271	1721	4930	335	53.2	85.9	6.0	13.3	1.5	2.4	0.2	1.1	0.1	31.1	3.59	34.2	0.2
KGKDD011	46.27	46.47	10130	16864	2086	6234	439	69.1	113.9	6.9	16.3	1.5	2.5	0.2	1.3	0.2	33.5	3.60	49.6	0.2
KGKDD011	46.47	47.13	11475	17037	2015	5886	396	63.7	104.6	7.2	17.5	1.6	2.6	0.1	0.7	0.1	32.5	3.70	43.8	0.4
KGKDD011	47.13	48.00	31025	44053	5835	17524	1297	212.9	342.7	21.3	45.9	3.9	4.6	0.3	1.2	0.2	72.4	10.04	183.2	0.9
KGKDD011	48.00	48.46	5381	5411	1055	3245	237	37.4	63.0	4.7	12.1	1.2	1.6	0.2	0.7	0.1	26.2	1.55	33.9	0.3
KGKDD011	48.46	48.93	8022	4567	1103	2933	186	30.2	53.8	3.8	12.9	1.4	2.2	0.2	0.8	0.1	30.1	1.69	11.5	0.4
KGKDD011	48.93	49.13	19479	19539	2897	8015	528	85.9	148.1	9.5	25.9	2.3	3.3	0.3	1.5	0.1	48.8	5.08	49.0	0.6
KGKDD011	49.13	49.60	6046	10256	925	2607	191	31.8	53.3	4.0	10.6	0.8	1.7	0.1	0.7	0.2	22.5	2.02	24.4	1.3
KGKDD011	49.60	50.00	9064	15586	1398	3776	224	35.1	59.4	4.4	11.8	1.5	3.0	0.3	1.3	0.1	38.9	3.02	20.6	0.7
KGKDD011	50.00	50.60	7544	12490	1108	3044	214	36.1	68.8	5.3	15.6	1.7	3.3	0.3	1.2	0.2	43.2	2.46	21.7	1.0
KGKDD011	50.60	51.60	9597	3566	1406	3907	272	45.7	84.0	5.7	16.5	1.7	2.4	0.2	1.1	0.1	37.5	1.89	23.7	0.2
KGKDD011	51.60	52.60	7176	11849	1063	2851	189	30.5	53.0	3.7	9.0	0.7	1.3	-0.1	0.7	-0.1	16.9	2.32	18.1	0.5
KGKDD011	52.60	53.60	9928	16543	1605	4604	353	63.9	135.1	12.6	35.8	3.3	4.9	0.3	2.4	0.3	79.2	3.34	75.3	1.1
KGKDD011	53.60	54.60	8627	3750	1476	4367	352	57.2	100.8	6.4	16.2	1.6	2.2	0.2	1.1	0.2	33.9	1.88	19.0	0.3
KGKDD011	54.60	55.85	5107	8794	986	3015	251	43.5	79.1	5.3	15.3	1.7	2.4	0.3	1.7	0.3	35.8	1.83	43.3	2.4
KGKDD011	55.85	56.85	4900	9043	864	2465	175	30.9	54.0	4.1	9.3	1.0	1.8	0.1	0.6	0.1	23.9	1.76	22.9	0.5
KGKDD011	56.85	57.21	9422	20827	1978	6009	404	66.1	109.2	7.2	19.9	2.1	3.2	0.3	1.9	0.2	42.5	3.89	45.9	0.8
KGKDD011	57.21	58.00	5339	9930	994	2921	207	33.8	58.5	3.4	10.4	1.0	1.5	0.1	0.9	0.1	21.8	1.95	21.7	0.5
KGKDD011	58.00	59.00	9581	17285	1682	4796	325	50.1	82.5	5.4	11.6	1.4	1.8	0.1	0.9	-0.1	27.8	3.39	28.0	0.1
KGKDD011	59.00	60.00	8444	11855	1533	4409	307	49.0	80.8	4.9	12.2	1.2	1.3	0.2	0.7	0.1	24.1	2.67	26.2	0.1
KGKDD011	60.00	60.57	7116	4669	1304	3765	267	42.4	72.5	4.5	11.1	1.3	1.9	0.2	0.6	-0.1	27.4	1.73	20.1	0.2
KGKDD011	60.57	61.48	11102	16303	2025	5901	413	66.0	110.4	7.2	16.4	1.6	2.2	0.1	0.8	0.1	33.9	3.60	37.5	0.4

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD011	61.48	61.83	14673	2968	2287	6525	418	68.3	116.8	7.1	18.4	2.1	3.1	0.2	1.3	0.1	41.0	2.71	15.6	0.2
KGKDD011	61.83	62.14	31035	3847	4912	13694	880	138.3	236.3	13.9	38.5	3.3	5.0	0.3	1.4	0.1	72.6	5.49	56.3	0.3
KGKDD011	62.14	62.96	23155	2239	3631	10172	634	98.8	172.3	10.1	27.0	2.4	3.7	0.3	1.5	0.1	50.7	4.02	32.7	-0.1
KGKDD011	62.96	63.78	12292	22554	2141	6199	437	72.8	126.7	8.4	21.1	2.0	3.0	0.2	0.6	0.1	41.4	4.39	49.0	0.7
KGKDD011	63.78	64.62	13336	23592	2262	6678	508	88.1	156.7	10.1	23.2	2.1	3.1	0.2	0.7	-0.1	45.3	4.67	78.5	0.9
KGKDD011	64.62	65.06	5110	10910	1144	3507	283	46.6	81.4	4.9	13.4	1.3	1.9	0.2	0.6	-0.1	27.9	2.11	35.1	0.9
KGKDD011	65.06	66.15	1658	3622	385	1240	108	19.0	35.2	2.6	7.8	0.9	1.7	0.2	1.1	0.2	22.2	0.71	15.5	0.2
KGKDD011	66.15	66.80	720	1589	171	558	53	9.5	17.1	1.5	4.1	0.6	1.1	0.2	0.8	-0.1	14.9	0.31	8.1	0.1
KGKDD011	66.80	67.70	4734	9299	950	2969	274	49.0	87.4	6.5	15.0	1.7	2.7	0.2	1.3	0.1	35.4	1.84	42.4	2.1
KGKDD011	67.70	68.61	1281	2781	290	935	86	14.6	27.9	2.4	7.4	1.0	1.6	0.2	1.2	0.2	26.2	0.55	12.7	0.1
KGKDD011	68.61	69.03	1137	2543	278	944	95	17.1	31.8	2.5	9.1	1.0	1.8	0.2	1.7	0.2	26.0	0.51	18.4	0.7
KGKDD011	69.03	70.03	6509	12510	1225	3583	254	40.8	76.1	5.3	15.7	1.7	2.9	0.2	2.0	0.3	40.0	2.43	39.0	1.8
KGKDD011	70.03	70.42	4376	8507	841	2530	211	38.2	70.8	5.5	16.6	2.1	3.0	0.3	1.5	0.2	46.2	1.67	42.6	1.8
KGKDD011	70.42	71.00	12607	25830	2647	8319	667	106.2	190.3	11.5	24.3	2.2	3.0	0.2	1.2	0.1	44.8	5.05	107.2	0.6
KGKDD011	71.00	71.47	9105	17357	1715	5096	390	65.3	115.9	7.2	17.2	2.0	2.5	0.2	0.9	0.1	35.3	3.39	51.4	0.4
KGKDD011	71.47	72.47	10437	20226	2025	6130	456	74.6	126.2	8.4	19.9	2.0	2.4	0.2	1.1	0.1	39.5	3.95	53.2	0.3
KGKDD011	72.47	73.40	8839	17348	1718	5136	381	63.5	108.9	7.4	19.1	1.5	2.6	0.1	0.9	0.1	36.2	3.37	48.5	0.4
KGKDD011	73.40	74.05	5930	11929	1197	3631	286	47.8	87.7	6.2	15.5	1.6	2.7	0.2	1.2	0.2	37.3	2.32	44.4	0.2
KGKDD011	74.05	74.53	5742	10936	1055	3080	218	36.0	61.5	4.1	10.0	1.2	1.8	0.2	0.8	0.1	24.5	2.12	24.4	0.3
KGKDD011	74.53	75.00	17027	32683	3369	10278	733	116.3	196.4	11.9	27.2	2.6	3.4	0.3	1.3	0.2	51.6	6.45	94.3	0.8
KGKDD012	0.00	1.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKDD012	1.96	2.84	989	2402	274	902	80	13.4	24.3	1.7	5.3	0.5	1.0	0.1	0.6	-0.1	13.3	0.47	10.8	0.2
KGKDD012	2.84	3.80	2223	5217	576	1890	165	26.5	47.9	2.9	9.0	1.0	2.1	0.2	1.3	0.2	22.6	1.02	23.9	0.1
KGKDD012	3.80	4.65	493	1189	133	431	43	7.5	15.4	1.2	5.3	0.7	1.7	0.2	1.6	0.2	19.9	0.23	7.4	0.1
KGKDD012	4.65	5.69	1250	2698	292	914	79	13.0	23.0	1.7	5.4	0.5	1.1	0.1	0.7	0.1	14.7	0.53	10.9	0.2
KGKDD012	5.69	6.28	3997	8973	986	3151	263	42.2	67.8	3.9	9.6	1.0	1.6	0.2	1.3	0.1	22.2	1.75	31.9	0.1
KGKDD012	6.28	6.84	4703	9465	967	3035	254	42.2	73.5	4.8	10.9	1.3	1.9	0.1	1.0	0.1	27.3	1.86	41.0	0.2
KGKDD012	6.84	7.91	8120	17314	1874	6099	504	79.9	128.6	7.8	17.2	1.7	2.3	0.2	1.2	0.1	34.7	3.42	54.5	0.2
KGKDD012	7.91	9.28	3494	7098	726	2279	201	32.3	56.8	3.9	10.4	1.2	1.9	0.1	1.1	0.1	25.0	1.39	26.3	0.2
KGKDD012	9.28	10.20	841	1976	219	738	73	12.9	24.6	1.8	6.7	0.8	1.5	0.2	1.0	-0.1	21.1	0.39	11.6	0.1
KGKDD012	10.20	10.80	1178	2749	302	997	89	15.8	27.8	2.2	5.9	0.7	1.4	0.1	0.6	0.1	17.7	0.54	13.6	0.2
KGKDD012	10.80	11.68	1252	2859	316	1039	97	15.8	26.2	2.0	6.8	0.7	1.0	0.2	0.7	-0.1	14.6	0.56	13.7	0.1
KGKDD012	11.68	12.34	5288	12021	1314	4238	349	55.5	95.0	5.2	13.0	1.4	2.4	0.3	1.5	0.2	31.2	2.34	48.2	0.3
KGKDD012	12.34	12.90	12103	26995	2923	9412	739	111.3	174.5	10.2	20.9	1.7	2.9	0.3	0.9	0.2	38.1	5.25	82.5	0.2
KGKDD012	12.90	13.30	3810	8519	934	2986	244	39.6	65.9	4.0	10.2	0.9	1.7	0.2	0.8	-0.1	20.8	1.66	28.4	0.2
KGKDD012	13.30	13.52	5390	11141	1147	3481	283	45.3	78.5	5.1	11.9	1.2	2.2	0.2	1.7	0.1	27.2	2.16	38.2	0.2
KGKDD012	13.52	14.90	5191	11135	1175	3725	306	50.4	78.1	5.1	13.0	1.0	2.1	0.2	0.6	0.1	23.8	2.17	39.3	0.2
KGKDD012	14.90	15.33	11053	20503	1965	5964	446	72.5	119.4	7.7	17.1	1.5	2.2	0.1	1.1	0.1	31.4	4.02	56.9	0.3
KGKDD012	15.33	15.71	12221	24814	2587	8006	633	99.8	149.5	10.4	22.8	2.1	3.0	0.2	2.0	0.2	42.7	4.86	74.2	0.3
KGKDD012	15.71	16.27	12253	23780	2366	7376	573	89.9	137.4	8.8	18.9	1.7	2.2	0.2	1.3	0.1	34.5	4.66	60.0	0.2
KGKDD012	16.27	16.54	20065	35480	3281	9550	679	107.7	172.1	11.1	25.9	2.4	3.2	0.3	1.1	0.1	45.8	6.94	78.9	0.2
KGKDD012	16.54	17.54	13875	23681	2146	6167	447	74.0	129.6	9.4	24.2	2.8	3.3	0.2	1.5	0.2	49.4	4.66	66.3	0.4
KGKDD012	17.54	18.20	15488	27574	2580	7567	540	90.1	158.2	10.2	22.8	2.3	3.2	0.3	1.4	0.1	49.2	5.41	77.0	0.5
KGKDD012	18.20	19.19	17729	33058	3156	9642	709	114.1	197.4	12.1	28.2	2.9	4.0	0.3	1.2	0.2	55.1	6.47	88.9	0.6
KGKDD012	19.19	20.20	14425	25247	2311	6657	472	78.4	127.8	8.9	20.4	2.0	2.7	0.2	0.5	-0.1	35.7	4.94	55.6	0.4

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD012	20.20	20.55	20310	34665	3117	8661	585	96.6	154.9	10.9	24.5	2.4	3.4	0.3	1.2	0.1	48.0	6.77	62.0	0.7
KGKDD012	20.55	21.43	16799	27672	2484	6790	440	71.7	116.7	8.7	21.0	2.0	3.1	0.3	1.4	0.1	45.0	5.45	56.0	0.4
KGKDD012	21.43	21.83	15064	26842	2573	7729	557	89.6	164.1	10.4	24.8	2.4	3.7	0.2	1.7	0.1	48.5	5.31	76.6	0.5
KGKDD012	21.83	22.40	8904	17662	1760	5294	403	64.5	112.6	6.9	17.3	1.8	3.5	0.3	1.4	0.2	43.6	3.43	61.7	0.5
KGKDD012	22.40	22.92	8793	16487	1595	4693	363	60.1	111.0	6.8	16.8	1.7	2.4	0.3	0.7	-0.1	35.1	3.22	60.3	0.6
KGKDD012	22.92	23.76	8922	15560	1448	4039	298	50.6	84.6	6.1	15.4	1.5	2.2	0.2	1.2	-0.1	32.3	3.05	39.2	0.3
KGKDD012	23.76	24.76	15010	25945	2381	6756	452	74.0	124.6	8.5	20.9	1.8	2.6	0.2	0.7	-0.1	39.5	5.08	60.5	0.4
KGKDD012	24.76	25.60	14025	23537	2098	5887	411	68.4	107.9	7.4	19.6	2.0	2.9	0.2	1.6	0.1	40.3	4.62	50.1	0.4
KGKDD012	25.60	25.80	4376	7884	750	2229	178	29.5	51.8	3.2	7.2	0.7	0.9	0.2	1.2	-0.1	18.5	1.55	26.1	0.2
KGKDD012	25.80	26.00	10606	18648	1741	4954	363	60.9	94.8	6.6	16.8	1.6	2.6	0.3	1.3	0.1	31.4	3.65	41.8	0.3
KGKDD012	26.00	26.65	2249	4527	467	1476	127	22.4	37.0	2.7	6.7	0.8	1.3	0.1	0.6	-0.1	15.5	0.89	18.3	0.1
KGKDD012	26.65	26.92	17405	30896	3030	9144	701	117.8	193.1	12.5	29.8	2.9	3.8	0.3	1.6	0.1	60.1	6.16	95.5	0.1
KGKDD012	26.92	28.00	10405	19557	1929	5804	460	74.5	121.4	8.4	20.3	1.7	2.5	0.1	1.0	0.1	37.1	3.84	55.5	0.2
KGKDD012	28.00	28.45	11333	19835	1896	5450	421	69.6	117.6	8.1	19.9	1.7	2.3	0.3	1.1	0.1	35.9	3.92	52.5	0.2
KGKDD012	28.45	29.28	6105	10887	1041	3013	240	39.5	66.6	4.5	10.9	1.0	1.9	0.1	0.7	-0.1	23.1	2.14	29.4	0.2
KGKDD012	29.28	29.91	2640	5514	577	1836	176	29.3	48.6	3.9	10.8	1.0	1.6	0.1	0.8	0.1	23.6	1.09	30.5	0.2
KGKDD012	29.91	31.00	2712	5423	563	1741	147	26.4	42.5	2.8	7.8	0.8	1.4	-0.1	1.1	-0.1	18.9	1.07	21.1	0.1
KGKDD012	31.00	32.00	6832	12157	1126	3162	228	38.3	65.2	4.7	12.2	1.3	2.1	0.2	1.0	0.1	27.9	2.37	33.8	1.0
KGKDD012	32.00	32.64	5989	10578	997	2902	219	36.4	61.4	4.1	10.9	1.2	1.4	0.1	1.0	-0.1	24.1	2.08	27.7	0.4
KGKDD012	32.64	33.64	14051	25363	2414	7163	540	88.8	147.7	9.8	24.7	2.5	3.7	0.3	1.8	0.2	52.1	4.99	75.7	0.5
KGKDD012	33.64	34.40	8469	14911	1413	4069	305	49.6	94.5	6.1	17.0	2.1	3.2	0.3	1.8	0.2	44.6	2.94	53.2	1.0
KGKDD012	34.40	35.00	13219	23059	2160	6249	474	78.2	134.9	9.5	25.0	2.5	3.9	0.2	1.9	0.2	53.5	4.55	64.2	0.5
KGKDD012	35.00	36.00	6819	11838	1117	3151	246	42.2	74.1	5.7	15.6	1.5	2.1	0.2	0.6	-0.1	32.3	2.33	35.7	0.4
KGKDD012	36.00	36.53	14067	23965	2176	6231	416	67.0	107.3	7.2	18.4	1.6	2.4	0.3	1.1	0.1	38.6	4.71	46.0	0.4
KGKDD012	36.53	37.53	14166	23607	2129	5897	410	66.6	110.3	7.5	18.9	1.8	2.6	0.2	1.1	0.1	35.3	4.65	46.1	0.5
KGKDD012	37.53	38.53	15005	25421	2302	6504	451	73.9	127.9	9.3	22.4	2.2	3.1	0.2	1.4	0.1	44.7	5.00	51.9	0.6
KGKDD012	38.53	39.11	19907	33399	3015	8609	609	98.8	169.7	11.8	29.3	2.8	3.5	0.2	1.6	0.1	54.4	6.59	73.1	0.6
KGKDD012	39.11	40.11	16307	27395	2456	6977	479	80.1	139.2	9.9	24.1	2.3	3.2	0.2	1.2	0.2	48.1	5.39	61.7	0.5
KGKDD012	40.11	41.00	19466	32655	2985	8388	584	97.5	165.3	11.9	29.3	2.8	4.2	0.5	1.9	0.2	60.5	6.45	92.0	0.9
KGKDD012	41.00	41.70	19456	31758	2791	7674	478	81.2	131.2	9.9	23.8	2.3	3.4	0.2	1.0	0.2	49.5	6.25	55.4	0.9
KGKDD012	41.70	42.05	13189	25001	2409	7107	489	78.5	132.7	10.2	23.6	2.2	3.8	0.5	1.2	0.2	49.9	4.85	85.2	0.8
KGKDD012	42.05	42.51	23373	38236	3445	9603	638	104.7	167.2	11.5	26.7	2.4	3.3	0.2	1.4	0.1	49.7	7.57	69.1	0.7
KGKDD012	42.51	42.96	19817	35613	3425	10212	732	118.8	192.0	12.7	30.2	2.6	3.5	0.3	1.5	0.1	53.2	7.02	108.5	0.9
KGKDD012	42.96	43.39	2395	4897	508	1574	135	23.0	38.1	2.7	8.3	1.2	1.7	0.2	1.3	0.1	24.3	0.96	18.4	0.7
KGKDD012	43.39	43.89	2571	4993	500	1541	134	24.2	46.5	3.7	13.1	1.5	3.1	0.5	1.7	0.2	37.5	0.99	16.8	0.8
KGKDD012	43.89	44.16	12924	22981	2152	6251	464	75.8	131.8	9.3	23.2	2.4	3.1	0.3	1.1	0.1	46.2	4.51	62.3	0.9
KGKDD012	44.16	44.63	14180	26886	2655	7966	589	93.3	148.9	9.4	22.8	2.1	3.2	0.3	1.4	0.1	42.7	5.26	82.8	0.6
KGKDD012	44.63	45.45	9689	19671	2035	6418	507	79.3	126.4	8.0	21.5	2.0	3.0	0.2	1.1	0.1	41.4	3.86	66.4	0.3
KGKDD012	45.45	45.88	11778	20780	1911	5496	394	65.8	106.5	6.9	17.2	1.6	2.6	0.3	1.0	0.1	33.9	4.06	55.9	0.6
KGKDD012	45.88	46.15	15702	26011	2293	6460	428	69.9	109.1	7.8	16.2	1.4	2.2	0.2	1.0	-0.1	30.0	5.11	48.2	0.3
KGKDD012	46.15	46.49	2964	5769	571	1770	158	27.1	46.6	3.4	9.9	1.0	1.7	0.1	1.1	-0.1	22.2	1.13	21.7	0.2
KGKDD012	46.49	47.15	19125	30957	2750	7589	489	80.6	133.4	9.3	21.5	2.2	3.2	0.2	1.5	0.1	44.8	6.12	53.8	0.4
KGKDD012	47.15	47.51	23185	39135	3636	10280	705	113.7	179.1	12.1	25.5	2.6	3.7	0.2	0.6	-0.1	44.8	7.73	77.6	0.3
KGKDD012	47.51	48.34	16531	27017	2413	6746	437	68.7	114.6	8.2	18.5	2.0	2.3	0.2	0.7	-0.1	34.2	5.34	43.0	0.4
KGKDD012	48.34	48.72	9160	15517	1435	4037	298	49.0	81.6	5.8	14.2	1.4	1.7	0.2	0.7	-0.1	27.7	3.06	32.5	0.3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKDD012	48.72	49.72	17846	30229	2778	8042	562	95.8	158.6	11.3	26.4	2.8	4.6	0.2	1.4	0.2	55.1	5.98	65.5	0.6
KGKDD012	49.72	50.00	22187	36395	3480	9953	712	116.1	198.3	13.9	33.1	3.0	4.4	0.2	1.0	-0.1	59.3	7.32	86.6	0.5
KGKDD012	50.00	50.77	9311	17775	1748	5251	395	63.6	116.0	7.9	19.1	2.1	2.7	0.5	1.3	0.2	43.3	3.47	63.1	0.8
KGKDD012	50.77	51.44	7639	13600	1290	3764	274	43.9	80.7	4.9	11.5	1.2	1.8	0.2	0.8	-0.1	24.5	2.67	33.5	0.3
KGKDD012	51.44	51.76	10394	18717	1784	5248	416	66.8	102.7	7.2	17.7	1.6	1.7	0.2	0.6	-0.1	27.8	3.68	49.4	0.3
KGKDD012	51.76	52.56	10670	18643	1757	4974	365	58.6	95.4	6.4	15.4	1.6	2.1	0.2	1.1	-0.1	29.3	3.66	40.7	0.2
KGKDD012	52.56	53.07	14675	26506	2541	7553	574	94.6	154.1	10.6	24.5	2.2	2.7	0.2	0.6	0.1	43.1	5.22	68.7	0.3
KGKDD012	53.07	53.48	4688	8751	852	2621	209	34.5	57.8	4.1	10.3	1.0	1.8	0.1	0.8	-0.1	22.4	1.73	29.5	-0.1
KGKDD012	53.48	53.85	15283	25519	2282	6523	457	77.7	135.4	9.8	24.2	2.6	3.5	0.2	1.2	0.1	48.3	5.04	60.4	0.5
KGKDD012	53.85	54.82	10530	19486	1887	5650	436	72.6	122.8	7.7	19.2	2.1	2.9	0.2	1.4	0.1	36.8	3.83	61.5	0.4
KGKDD012	54.82	55.43	11119	20236	1970	5848	462	74.8	126.9	7.5	17.9	1.7	2.3	0.2	0.5	-0.1	32.8	3.99	57.2	0.8
KGKDD012	55.43	56.00	7487	13753	1345	3940	298	50.0	83.8	5.3	12.4	1.0	1.3	0.2	0.6	-0.1	22.7	2.70	37.4	1.3
KGKDD012	56.00	57.00	6508	11558	1107	3285	271	47.4	81.7	5.2	15.0	1.2	2.3	0.2	0.6	-0.1	27.2	2.29	37.7	1.5
KGKDD012	57.00	58.00	6977	12390	1188	3502	288	51.3	90.9	6.5	16.2	1.6	2.5	0.2	0.7	-0.1	32.8	2.45	37.4	1.2
KGKDD012	58.00	59.00	7831	13436	1261	3679	283	47.0	87.7	5.3	12.9	1.0	1.5	-0.1	0.3	-0.1	24.5	2.67	40.0	1.3
KGKDD012	59.00	59.37	7847	14048	1365	4025	327	55.5	91.8	5.8	13.7	1.3	1.6	0.1	0.4	-0.1	24.0	2.78	40.4	1.2
KGKDD012	59.37	60.00	8328	15242	1490	4437	349	59.3	96.9	6.2	15.0	1.2	1.8	0.2	0.3	-0.1	26.5	3.01	43.0	1.5
KGKDD012	60.00	60.67	3866	7965	831	2628	215	34.0	56.7	3.9	9.9	1.0	1.6	0.2	1.0	0.1	21.1	1.56	33.3	1.8
KGKDD012	60.67	61.25	2024	4092	428	1386	132	26.4	51.8	4.8	18.8	2.4	5.5	0.6	3.7	0.3	64.0	0.82	41.3	4.6
KGKDD012	61.25	62.28	10929	20458	2024	6152	456	74.2	116.1	7.2	16.2	2.0	2.4	0.2	1.3	0.2	34.3	4.03	54.7	0.7
KGKDD012	62.28	63.36	10550	17986	1685	4829	378	67.6	121.3	9.4	21.8	2.2	2.9	0.2	1.6	0.1	43.9	3.57	51.7	1.1
KGKDD012	63.36	64.20	10662	19152	1846	5497	416	64.6	124.2	7.7	17.3	1.6	2.4	0.2	0.6	-0.1	33.3	3.78	51.6	1.3
KGKDD012	64.20	65.20	15224	28672	2898	8912	653	106.3	172.8	10.8	24.3	2.5	2.9	0.1	1.2	0.1	43.7	5.67	72.5	1.2
KGKDD012	65.20	65.82	12388	22998	2272	6920	556	93.3	154.6	10.7	24.7	2.2	2.9	0.2	1.1	-0.1	43.2	4.55	81.9	0.7
KGKDD012	65.82	66.75	13628	24773	2397	7255	556	90.4	154.3	10.0	22.2	2.0	2.6	0.2	0.6	0.1	37.8	4.89	71.1	1.0
KGKDD012	66.75	67.35	6109	12061	1199	3534	266	43.1	75.6	5.3	14.0	1.6	2.9	0.3	1.4	0.2	38.9	2.34	32.8	0.6
KGKDD012	67.35	68.28	13005	26219	2693	8356	593	91.6	162.0	9.4	22.0	2.1	3.0	0.3	1.1	0.2	38.7	5.12	71.7	0.6
KGKDD012	68.28	70.00	10965	20486	2016	6080	427	68.7	112.8	7.8	16.9	1.8	2.3	0.3	0.7	0.1	34.3	4.02	48.1	0.5
KGKRC084	0.00	1.00	1847	3890	412	1307	103	17.7	31.7	2.8	8.5	0.9	1.5	0.1	1.0	0.2	21.7	0.76	22.7	0.5
KGKRC084	1.00	2.00	3745	7450	762	2374	175	28.8	50.2	3.7	10.6	1.3	1.8	0.2	0.9	0.2	25.8	1.46	25.9	0.6
KGKRC084	2.00	3.00	5762	11141	1143	3500	261	42.0	67.9	5.4	13.9	1.8	3.0	0.3	1.5	0.2	38.0	2.20	32.7	1.5
KGKRC084	3.00	4.00	3022	6311	662	2088	145	23.5	39.6	3.1	7.7	1.0	1.8	0.2	1.1	0.2	21.0	1.23	16.6	0.5
KGKRC084	4.00	5.00	5946	13479	1470	4636	321	47.2	72.1	5.2	13.5	1.7	2.4	0.5	1.9	0.3	33.7	2.60	31.5	0.5
KGKRC084	5.00	6.00	12363	22418	2217	6512	417	64.0	105.8	7.4	17.7	2.0	2.7	0.2	1.3	0.2	36.5	4.42	47	0.9
KGKRC084	6.00	7.00	9785	16442	1474	4105	267	45.2	78.3	5.8	17.2	1.6	3.0	0.5	1.3	0.2	37.3	3.23	39.2	0.9
KGKRC084	7.00	8.00	10487	18110	1681	4733	314	50.7	82.3	6.1	16.4	1.6	3.4	0.3	1.5	0.2	35.7	3.55	37.6	1.4
KGKRC084	8.00	9.00	8848	14988	1377	3861	254	41.5	70.0	5.9	16.2	2.1	4.1	0.5	2.0	0.3	46.6	2.95	31.1	1.5
KGKRC084	9.00	10.00	16023	28923	2783	8229	530	81.8	132.5	10.4	23.2	2.4	3.5	0.3	1.7	0.2	48.5	5.68	61.5	1
KGKRC084	10.00	11.00	22753	41438	4139	12056	765	117.9	189.6	12.6	30.8	2.8	4.2	0.5	1.2	0.2	56.0	8.16	81.7	0.5
KGKRC084	11.00	12.00	13348	22151	2026	5577	353	54.1	93.4	6.7	15.3	1.5	2.4	0.3	0.9	0.1	30.1	4.37	44	0.6
KGKRC084	12.00	13.00	18181	38181	4097	12885	924	145.3	224.9	14.7	33.4	3.3	4.9	0.6	1.6	0.5	60.7	7.48	106.1	0.7
KGKRC084	13.00	14.00	20468	45133	4968	15869	1304	216.8	352.1	21.8	51.3	4.8	6.2	0.6	1.2	0.3	87.1	8.85	201.4	1
KGKRC084	14.00	15.00	2291	4762	502	1601	118	20.4	35.9	2.7	9.1	1.2	1.9	0.3	1.1	0.3	24.6	0.94	15.2	1
KGKRC084	15.00	16.00	3335	6863	713	2228	178	30.8	51.5	4.0	10.2	1.3	2.2	0.2	1.1	0.2	25.8	1.34	24.5	1.4
KGKRC084	16.00	17.00	3359	6962	718	2211	163	25.8	45.5	3.4	9.5	1.2	1.8	0.2	1.2	0.2	22.9	1.35	19	1.6



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC084	17.00	18.00	2981	6344	674	2198	185	30.7	55.9	3.8	9.9	1.2	1.9	0.2	1.1	0.2	19.9	1.25	27.1	3.4
KGKRC084	18.00	19.00	4647	10114	1090	3477	288	49.4	85.2	6.0	13.1	1.7	2.5	0.3	0.7	0.3	26.7	1.98	42.6	1.9
KGKRC084	19.00	20.00	7383	15864	1725	5460	452	76.5	122.6	8.2	19.1	1.8	2.6	0.2	0.9	0.2	34.9	3.12	77.1	1.1
KGKRC084	20.00	21.00	7063	15168	1627	5199	393	64.2	107.4	7.1	17.9	2.1	3.1	0.5	1.6	0.2	38.9	2.97	66.2	1.2
KGKRC084	21.00	22.00	7902	16753	1780	5478	352	53.0	85.6	6.0	15.4	1.7	3.0	0.5	1.5	0.3	35.7	3.25	30.7	0.8
KGKRC084	22.00	23.00	3648	7481	773	2446	169	28.5	47.7	3.9	10.7	1.4	1.9	0.3	1.2	0.2	27.3	1.46	22.3	2
KGKRC084	23.00	24.00	2699	5427	547	1706	126	21.8	39.2	3.1	10.2	1.3	2.2	0.3	1.7	0.2	26.9	1.06	18.6	1.7
KGKRC084	24.00	25.00	2031	4186	441	1372	99	18.6	32.0	2.9	9.3	0.9	2.6	0.3	1.6	0.2	26.8	0.82	15.4	1.4
KGKRC084	25.00	26.00	2487	5084	533	1666	121	20.7	34.8	2.7	8.0	0.9	1.7	0.2	1.2	0.2	22.1	1.00	14.6	3.7
KGKRC084	26.00	27.00	3246	6614	688	2193	169	28.4	52.1	4.5	12.3	1.5	2.6	0.2	1.1	0.2	34.5	1.30	40.8	4.7
KGKRC084	27.00	28.00	6579	12534	1309	4181	354	62.2	112.54	8.5	24.0	2.3	4.1	0.5	1.9	0.2	51.7	2.52	103.4	3.4
KGKRC084	28.00	29.00	3873	8145	885	2747	191	32.1	55.5	4.4	13.1	1.7	3.0	0.3	1.5	0.2	39.4	1.60	20.2	2.7
KGKRC084	29.00	30.00	3026	6192	641	1999	148	23.6	40.4	2.9	8.3	1.0	2.1	0.3	1.2	0.2	23.8	1.21	17.1	7.6
KGKRC084	30.00	31.00	3096	6249	626	1974	144	22.0	39.5	3.1	9.5	1.0	2.1	0.2	1.2	0.2	25.8	1.22	17.8	4.4
KGKRC084	31.00	32.00	4517	9204	948	2883	193	31.8	51.5	3.9	10.8	1.2	1.9	0.2	0.7	0.2	23.5	1.79	22.3	1
KGKRC084	32.00	33.00	3008	6191	643	1982	142	22.5	40.0	3.4	9.8	1.3	1.7	0.5	1.5	0.3	23.5	1.21	17.3	1
KGKRC084	33.00	34.00	3058	5284	493	1509	106	18.5	31.1	2.5	7.8	0.9	1.7	0.3	1.2	0.2	22.2	1.05	18.3	6.3
KGKRC084	34.00	35.00	3739	6282	574	1645	128	22.0	42.0	3.8	10.4	1.6	3.7	0.3	2.1	0.3	36.3	1.25	21.1	2.7
KGKRC084	35.00	36.00	3062	5349	512	1527	113	18.8	34.0	2.7	7.2	0.9	1.4	0.1	0.5	0.1	16.8	1.06	20.1	6.9
KGKRC084	36.00	37.00	1863	3529	360	1115	85	15.4	28.2	2.4	6.1	0.8	1.4	0.2	1.0	0.2	18.0	0.70	14.9	1.4
KGKRC084	37.00	38.00	2292	4531	458	1399	109	18.3	32.6	2.8	7.9	1.0	1.8	0.2	0.8	0.1	22.7	0.89	19.3	5.9
KGKRC084	38.00	39.00	1741	3595	372	1176	94	17.1	31.9	2.5	6.9	1.0	1.8	0.2	1.0	0.1	21.5	0.71	13.4	1.7
KGKRC084	39.00	40.00	2905	5720	599	1961	159	27.0	47.8	3.7	11.5	1.3	2.9	0.5	1.8	0.3	33.1	1.15	25.2	12.8
KGKRC084	40.00	41.00	2361	5101	546	1767	142	24.8	43.2	3.7	12.9	1.7	3.1	0.5	1.8	0.5	38.5	1.00	16.7	4
KGKRC084	41.00	42.00	1995	4233	452	1485	113	19.7	35.0	3.1	9.4	1.3	2.9	0.3	1.9	0.2	31.4	0.84	11.6	2.2
KGKRC084	42.00	43.00	1184	2684	303	1013	84	15.3	28.8	2.7	9.3	1.5	3.3	0.5	2.1	0.3	35.6	0.54	9	4.1
KGKRC084	43.00	44.00	2197	4510	485	1584	128	21.4	36.8	2.9	9.6	1.3	2.4	0.3	1.1	0.2	27.7	0.90	15.3	4.2
KGKRC084	44.00	45.00	1680	3564	381	1254	102	18.6	34.1	2.8	9.4	1.3	2.4	0.2	1.8	0.2	27.8	0.71	16.3	1.4
KGKRC084	45.00	46.00	1759	3813	422	1425	127	24.4	44.7	3.9	12.4	1.4	2.2	0.2	1.0	0.2	30.6	0.77	41.1	4
KGKRC084	46.00	47.00	3655	8040	864	2762	209	35.2	56.8	3.9	11.1	1.5	2.4	0.3	0.7	0.2	29.1	1.57	31.5	2.8
KGKRC084	47.00	48.00	3376	7289	783	2494	184	30.5	54.8	4.2	12.5	1.5	2.5	0.5	1.8	0.3	36.8	1.43	24.7	3.1
KGKRC084	48.00	49.00	4370	9162	976	3007	218	34.3	57.1	4.1	13.2	1.6	3.2	0.5	2.1	0.2	36.1	1.79	21.7	2.7
KGKRC084	49.00	50.00	3802	7798	842	2797	251	40.6	70.8	4.1	11.0	1.4	2.7	0.2	1.6	0.2	27.1	1.57	27.6	3.5
KGKRC084	50.00	51.00	3640	7273	759	2543	238	43.4	73.0	4.8	12.4	1.4	2.9	0.5	1.9	0.2	33.9	1.46	29	6
KGKRC084	51.00	52.00	4241	8011	810	2536	209	35.9	62.3	4.4	11.6	1.4	2.5	0.3	1.8	0.2	32.9	1.60	25.7	6.2
KGKRC084	52.00	53.00	10027	15948	1420	3950	267	44.0	76.2	5.7	15.2	1.8	3.5	0.5	2.4	0.2	40.0	3.18	41.4	6.4
KGKRC084	53.00	54.00	5788	12113	1251	3918	287	43.8	76.3	5.1	13.8	1.7	3.1	0.5	2.1	0.3	36.2	2.35	30.1	6.1
KGKRC084	54.00	55.00	11760	24377	2540	7805	491	73.9	117.2	7.8	19.4	2.1	3.1	0.2	1.9	0.3	41.5	4.72	45.4	1.6
KGKRC084	55.00	56.00	9735	20527	2208	6867	429	61.3	95.7	6.0	14.8	1.5	3.0	0.3	1.3	0.2	33.7	4.00	33.2	2.3
KGKRC084	56.00	57.00	7636	13680	1320	3900	285	48.1	82.7	5.9	15.4	2.0	3.5	0.6	2.6	0.5	40.3	2.70	35.8	3.8
KGKRC084	57.00	58.00	3144	6217	653	2179	202	37.9	70.6	5.4	16.1	2.0	4.0	0.3	2.5	0.3	44.6	1.26	23.2	3.5
KGKRC084	58.00	59.00	3403	6787	729	2407	233	43.2	79.5	6.0	18.1	2.2	3.9	0.2	1.6	0.3	48.9	1.38	25.5	3
KGKRC084	59.00	60.00	3665	7307	761	2514	233	41.6	74.2	5.3	14.8	1.7	3.0	0.3	1.4	0.2	35.2	1.47	24.3	2.8
KGKRC084	60.00	61.00	3688	7431	802	2701	269	48.4	88.4	7.2	18.6	2.2	4.5	0.5	3.0	0.3	49.7	1.51	27.1	2.6
KGKRC084	61.00	62.00	3516	7551	833	2796	258	45.0	77.8	5.7	16.2	1.7	3.3	0.2	1.7	0.2	37.1	1.51	24.6	3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC084	62.00	63.00	4039	7856	795	2525	203	34.3	60.4	4.1	11.1	1.5	3.2	0.2	2.1	0.2	30.0	1.56	17.4	1.9
KGKRC084	63.00	64.00	3609	7444	789	2640	255	46.1	83.3	6.2	17.5	2.0	3.4	0.2	1.6	0.2	40.9	1.49	22.3	1.8
KGKRC084	64.00	65.00	4573	8845	950	3105	324	61.7	114.6	8.5	27.5	2.5	4.2	0.2	2.4	0.2	51.3	1.81	35.2	2.3
KGKRC084	65.00	66.00	5742	10473	1088	3455	353	70.1	124.6	9.6	27.2	2.6	4.1	0.5	2.2	0.3	56.6	2.14	43	2
KGKRC084	66.00	67.00	3542	7054	715	2306	200	34.4	59.4	4.2	12.2	1.5	3.1	0.2	2.0	0.2	32.1	1.40	18.2	1.9
KGKRC084	67.00	68.00	7102	12048	1121	3202	235	41.2	68.2	5.7	15.5	1.5	3.1	0.3	1.9	0.2	36.1	2.39	28.6	1
KGKRC084	68.00	69.00	3828	7258	723	2258	180	32.1	56.2	4.0	10.7	1.4	2.5	0.2	1.5	0.2	29.8	1.44	19	2.6
KGKRC084	69.00	70.00	1745	3174	304	926	72	12.0	21.4	1.8	6.1	0.8	2.2	0.2	1.2	0.2	19.6	0.63	8.9	4.2
KGKRC084	70.00	71.00	1387	2781	279	855	63	10.2	17.7	1.7	5.3	0.7	1.4	0.2	1.0	0.1	16.0	0.54	6.2	2.9
KGKRC084	71.00	72.00	2184	4406	442	1376	106	17.3	31.7	2.5	8.2	0.9	1.7	0.2	1.2	0.1	22.9	0.86	10.8	3.6
KGKRC084	72.00	73.00	3712	7922	864	2680	203	31.3	53.2	3.4	9.2	1.2	1.5	0.2	0.8	0.2	21.2	1.55	17.6	0.4
KGKRC084	73.00	74.00	2368	5061	537	1722	125	20.0	32.9	2.4	7.0	0.8	1.8	0.2	1.1	0.1	18.2	0.99	11.5	0.4
KGKRC084	74.00	75.00	4470	8376	798	2359	169	27.9	47.6	3.5	10.1	1.3	2.3	0.2	1.4	0.1	27.9	1.63	20	0.7
KGKRC084	75.00	76.00	7370	13290	1278	3666	239	38.6	65.6	4.6	12.3	1.3	1.9	0.2	1.0	0.2	29.3	2.60	29.5	0.7
KGKRC084	76.00	77.00	5876	11449	1124	3368	227	36.4	67.0	4.4	13.4	1.4	2.4	0.2	1.1	0.1	31.0	2.22	30.4	0.5
KGKRC084	77.00	78.00	2601	5147	526	1623	128	21.5	37.9	2.6	8.2	1.0	1.9	0.2	0.6	-0.1	21.8	1.01	19.5	0.6
KGKRC084	78.00	79.00	1525	3522	395	1332	116	20.0	34.8	2.7	8.0	1.0	1.9	0.2	1.2	0.2	22.9	0.70	18.4	-0.1
KGKRC084	79.00	80.00	2356	5303	581	1914	151	24.6	42.6	2.8	7.4	0.9	2.1	0.2	1.2	0.2	22.4	1.04	18.7	0.1
KGKRC084	80.00	81.00	2577	5539	566	1769	122	20.0	36.3	2.7	8.6	1.0	1.6	0.2	1.1	0.1	24.9	1.07	15.3	0.2
KGKRC084	81.00	82.00	2776	5729	584	1777	117	19.5	36.1	2.6	8.6	1.0	1.9	0.1	1.0	0.1	24.0	1.11	13.8	0.1
KGKRC084	82.00	83.00	2887	6210	647	2005	135	22.1	38.4	2.9	9.5	0.9	2.4	0.2	1.4	0.1	27.9	1.20	14.9	-0.1
KGKRC084	83.00	84.00	2545	5512	582	1782	123	20.6	33.3	2.8	8.4	1.3	1.9	0.5	2.2	0.2	27.7	1.06	11.9	0.2
KGKRC084	84.00	85.00	9940	16856	1546	4294	286	46.8	85.9	6.9	18.8	2.2	3.3	0.2	1.3	0.1	46.2	3.31	43.1	0.4
KGKRC084	85.00	86.00	6764	13197	1325	3885	259	42.2	76.4	6.0	17.7	2.2	3.8	0.5	1.9	0.2	48.6	2.56	30.9	0.3
KGKRC084	86.00	87.00	1608	3581	373	1170	84	14.4	27.0	2.1	6.4	0.8	1.6	0.2	1.7	0.1	21.7	0.69	10.1	-0.1
KGKRC084	87.00	88.00	1979	4220	444	1375	103	16.3	30.2	2.2	7.2	0.8	1.7	0.1	0.6	0.2	19.9	0.82	10.3	0.1
KGKRC084	88.00	89.00	4092	8149	818	2515	178	29.6	52.5	4.0	10.6	1.3	2.4	0.2	1.1	0.1	27.9	1.59	21.6	0.2
KGKRC084	89.00	90.00	1300	2817	293	910	69	11.8	22.0	1.9	5.4	0.7	1.4	0.1	0.9	0.1	17.3	0.55	9.1	-0.1
KGKRC084	90.00	91.00	2024	4411	466	1464	102	16.4	28.5	2.2	7.6	0.9	1.6	0.2	0.7	0.1	20.2	0.85	11	0.1
KGKRC084	91.00	92.00	1750	3543	361	1115	84	14.8	26.7	2.1	6.7	0.9	1.6	0.2	1.5	0.1	20.3	0.69	10	0.3
KGKRC084	92.00	93.00	3123	5751	563	1696	128	22.0	38.3	3.1	9.6	1.0	1.9	0.1	0.8	-0.1	23.0	1.14	15.9	0.6
KGKRC084	93.00	94.00	4183	8086	796	2376	165	26.9	48.8	3.4	10.6	1.2	1.9	0.3	1.4	0.1	26.4	1.57	17.6	0.2
KGKRC084	94.00	95.00	2694	5551	566	1754	126	20.7	35.3	2.8	8.0	0.8	1.5	0.1	1.1	0.1	20.5	1.08	12.5	0.2
KGKRC084	95.00	96.00	3039	5846	583	1780	141	26.3	50.6	4.7	14.5	1.7	4.0	0.2	1.7	0.2	47.1	1.15	16.6	1
KGKRC084	96.00	97.00	2527	5185	528	1621	122	21.9	37.4	3.1	9.0	1.2	1.8	0.2	1.1	0.2	24.0	1.01	20.7	0.2
KGKRC084	97.00	98.00	2244	4555	459	1392	95	15.6	29.2	2.5	8.0	0.9	2.5	0.2	1.6	0.2	24.9	0.88	10.5	0.3
KGKRC084	98.00	99.00	2431	5225	546	1700	123	19.7	34.3	3.1	8.3	1.2	2.5	0.2	1.4	0.2	26.9	1.01	14.1	0.1
KGKRC084	99.00	100.00	1956	3886	405	1250	98	16.2	30.6	2.4	7.5	0.8	1.3	0.1	1.2	-0.1	18.2	0.77	10.8	0.1
KGKRC085	0.00	1.00	2160	4894	543	1814	134	20.6	35.3	2.4	7.9	0.8	1.8	0.2	1.5	0.2	21.1	0.96	16.0	0.8
KGKRC085	1.00	2.00	463	1144	133	446	39	7.1	12.9	1.1	3.7	0.5	1.0	0.1	0.8	0.1	12.8	0.23	6.6	0.2
KGKRC085	2.00	3.00	1082	2585	302	1021	84	13.6	23.7	1.8	4.6	0.5	1.3	0.1	0.7	-0.1	14.5	0.51	11.1	0.3
KGKRC085	3.00	4.00	1538	3240	353	1151	96	17.0	31.3	2.5	7.8	1.0	2.2	0.2	0.9	0.2	24.3	0.65	16.0	1.1
KGKRC085	4.00	5.00	3080	6415	671	2120	183	34.0	72.4	6.5	24.2	3.2	7.0	0.9	3.9	0.6	84.5	1.27	38.7	5.2
KGKRC085	5.00	6.00	1466	3125	346	1181	126	26.1	57.4	5.7	24.0	3.7	7.7	0.9	5.6	0.8	93.6	0.65	18.3	11.2
KGKRC085	6.00	7.00	3673	7434	785	2546	219	36.8	64.7	4.2	12.6	1.5	2.7	0.3	2.0	0.2	34.8	1.48	28.8	1.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC085	7.00	8.00	2766	5689	620	2079	207	41.1	83.4	7.3	28.8	3.9	8.4	0.9	4.6	0.9	103.1	1.16	34.1	8.3
KGKRC085	8.00	9.00	7557	13907	1368	4024	309	52.0	94.1	7.2	21.9	2.2	3.7	0.2	1.6	0.2	49.9	2.74	50.0	3.9
KGKRC085	9.00	10.00	5756	11099	1108	3367	243	40.6	65.4	4.8	13.1	1.3	2.6	0.2	1.2	0.2	29.0	2.17	32.1	5.9
KGKRC085	10.00	11.00	3855	7413	742	2321	172	29.4	50.9	3.8	12.6	1.4	2.5	0.2	1.0	0.2	30.5	1.46	25.5	3.0
KGKRC085	11.00	12.00	5432	10645	1087	3226	245	42.3	76.5	5.3	15.3	1.7	2.5	0.3	1.2	0.2	37.5	2.08	38.6	2.7
KGKRC085	12.00	13.00	3379	6730	695	2138	156	25.8	43.8	3.3	8.3	1.0	2.2	0.2	1.1	0.2	24.3	1.32	20.9	0.7
KGKRC085	13.00	14.00	2975	5861	595	1817	132	21.5	36.7	2.5	7.2	0.9	1.8	0.2	1.1	0.1	21.3	1.15	16.9	2.4
KGKRC085	14.00	15.00	2836	4927	473	1379	109	19.2	37.0	2.9	9.2	1.0	1.8	0.3	1.1	0.2	25.7	0.98	16.3	1.2
KGKRC085	15.00	16.00	1408	2951	330	1097	118	22.4	40.9	3.2	10.1	1.3	2.4	0.3	2.0	0.2	29.1	0.60	23.4	0.9
KGKRC085	16.00	17.00	1284	2735	307	1044	106	18.3	33.9	2.2	7.1	1.2	1.9	0.3	1.2	0.1	23.9	0.56	23.3	0.5
KGKRC085	17.00	18.00	2512	5160	551	1761	167	29.2	52.1	4.1	12.4	1.6	3.2	0.5	1.8	0.2	39.8	1.03	30.1	2.9
KGKRC085	18.00	19.00	5799	10878	1129	3366	295	55.4	108.7	8.7	22.8	3.1	4.9	0.6	3.2	0.3	67.8	2.17	54.0	5.1
KGKRC085	19.00	20.00	7186	13471	1383	4114	353	63.0	118.2	8.8	25.1	2.8	5.4	0.6	2.4	0.3	67.8	2.68	62.3	4.5
KGKRC085	20.00	21.00	5833	11075	1134	3511	319	58.8	115.8	9.1	24.5	2.8	5.2	0.7	3.0	0.6	63.8	2.22	61.2	8.3
KGKRC085	21.00	22.00	4758	9048	940	2992	298	59.5	115.1	9.4	31.0	3.8	7.0	0.9	4.7	0.6	95.4	1.84	73.6	8.7
KGKRC085	22.00	23.00	3340	6731	716	2321	226	43.1	81.7	6.5	21.2	2.8	4.6	0.7	3.2	0.5	61.5	1.36	42.7	8.4
KGKRC085	23.00	24.00	4455	8355	865	2720	285	56.6	108.5	8.6	26.4	2.8	4.7	0.7	3.5	0.5	68.5	1.70	57.8	8.3
KGKRC085	24.00	25.00	11824	20340	1979	5821	460	83.7	151.6	9.9	24.0	2.5	4.5	0.3	1.6	0.2	52.6	4.08	72.1	7.6
KGKRC085	25.00	26.00	9748	17272	1722	5076	436	81.9	147.3	10.5	27.4	3.2	5.5	0.6	3.0	0.5	69.3	3.46	65.9	8.5
KGKRC085	26.00	27.00	9007	16165	1650	4920	419	74.8	134.6	9.3	22.7	2.4	3.5	0.3	1.9	0.2	48.1	3.25	62.6	4.6
KGKRC085	27.00	28.00	6914	12997	1342	4053	353	65.2	113.1	8.8	22.4	2.8	4.8	0.3	3.0	0.3	57.7	2.59	59.9	6.1
KGKRC085	28.00	29.00	3248	6213	648	1943	153	25.8	42.8	3.4	10.7	1.3	2.9	0.2	1.8	0.2	30.7	1.23	20.7	7.7
KGKRC085	29.00	30.00	3870	7170	717	2130	172	30.6	57.1	4.8	14.1	2.2	4.5	0.3	2.2	0.3	47.9	1.42	24.5	5.8
KGKRC085	30.00	31.00	2171	4835	534	1758	181	36.5	68.9	6.0	21.5	2.8	4.8	0.5	2.2	0.3	61.1	0.97	61.2	7.6
KGKRC085	31.00	32.00	1446	3116	352	1148	133	28.4	60.8	5.5	19.7	2.6	4.9	0.5	2.1	0.3	63.5	0.64	41.3	6.0
KGKRC085	32.00	33.00	1701	3531	385	1270	144	31.2	67.5	6.7	25.7	3.8	8.0	0.9	5.2	0.7	92.8	0.73	53.3	15.4
KGKRC085	33.00	34.00	2222	4413	468	1479	149	29.6	60.6	5.4	18.4	2.9	6.0	0.6	3.8	0.5	69.6	0.89	28.0	12.7
KGKRC085	34.00	35.00	1688	3540	393	1316	147	30.9	67.1	7.2	27.4	3.7	9.3	1.6	5.7	0.7	107.8	0.73	27.8	10.5
KGKRC085	35.00	36.00	2470	4786	506	1587	148	29.4	58.6	5.2	20.7	2.5	5.7	0.7	3.3	0.6	71.4	0.97	27.4	9.6
KGKRC085	36.00	37.00	9687	15835	1485	4147	312	54.7	101.1	7.4	19.2	2.3	4.0	0.5	1.6	0.2	48.4	3.17	46.6	5.5
KGKRC085	37.00	38.00	2945	5601	582	1785	156	28.6	55.1	4.2	13.4	1.6	3.7	0.3	1.8	0.3	41.5	1.12	23.9	6.5
KGKRC085	38.00	39.00	5763	10060	970	2825	226	42.8	82.5	6.5	18.9	2.1	3.3	0.3	2.1	0.2	47.1	2.00	35.6	5.4
KGKRC085	39.00	40.00	3702	7173	754	2353	213	37.5	72.4	6.1	20.9	2.4	4.6	0.7	3.0	0.3	60.6	1.44	27.9	9.5
KGKRC085	40.00	41.00	3000	6325	697	2311	230	42.7	85.6	6.7	21.4	2.9	6.6	0.8	4.3	0.5	73.0	1.28	45.3	8.5
KGKRC085	41.00	42.00	3081	6197	666	2148	207	39.0	79.5	6.2	17.1	2.4	4.1	0.6	3.4	0.3	57.0	1.25	47.5	5.9
KGKRC085	42.00	43.00	1461	3027	332	1131	134	30.7	68.5	7.2	29.5	4.5	10.0	1.3	6.2	0.7	115.8	0.64	30.6	10.7
KGKRC085	43.00	44.00	1596	3366	385	1298	149	32.2	74.5	7.2	27.7	4.5	9.2	1.1	5.2	0.8	118.4	0.71	39.0	9.9
KGKRC085	44.00	45.00	1648	3615	406	1382	154	33.6	72.7	6.6	25.4	3.9	7.7	0.8	4.8	0.7	98.5	0.75	36.9	8.2
KGKRC085	45.00	46.00	2288	4964	549	1826	187	36.4	73.0	6.4	24.2	3.7	7.8	0.9	4.9	0.6	87.6	1.01	36.3	7.8
KGKRC085	46.00	47.00	2053	4193	460	1490	132	23.7	46.6	3.5	12.3	2.0	3.5	0.7	2.0	0.3	44.8	0.85	14.6	4.7
KGKRC085	47.00	48.00	7198	14394	1486	4343	290	45.0	74.2	4.9	11.7	1.3	1.9	0.2	1.4	0.2	25.4	2.79	29.0	1.6
KGKRC085	48.00	49.00	3991	7933	827	2546	224	41.5	80.3	6.4	23.3	3.3	6.9	0.9	3.1	0.5	77.0	1.58	33.5	2.5
KGKRC085	49.00	50.00	5557	11391	1247	3791	291	46.2	75.6	4.6	9.8	1.3	1.9	0.1	1.0	0.1	24.9	2.24	28.4	0.7
KGKRC086	0.00	1.00	7537	15488	1660	4899	336	51.6	80.9	5.5	12.9	1.6	2.4	0.2	1.5	0.2	30.1	3.01	38.3	6.3
KGKRC086	1.00	2.00	5325	10887	1175	3481	247	37.5	58.7	3.7	8.8	0.9	1.6	-0.1	1.1	-0.1	19.3	2.12	26.4	5.3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC086	2.00	3.00	7383	15168	1618	4901	330	49.2	80.7	5.2	10.9	1.2	1.7	0.1	0.6	0.2	24.1	2.96	34.1	2.2
KGKRC086	3.00	4.00	4736	9826	1062	3115	201	31.0	46.7	3.4	8.2	0.8	1.3	0.1	0.9	0.1	17.1	1.90	21.6	2.6
KGKRC086	4.00	5.00	4177	8587	917	2715	178	27.4	43.7	2.7	7.9	0.8	1.1	0.2	0.7	-0.1	16.5	1.67	19.5	2.9
KGKRC086	5.00	6.00	3191	6534	691	2120	155	23.4	39.7	2.7	7.4	0.8	1.1	-0.1	0.9	0.1	17.3	1.28	18.3	5.3
KGKRC086	6.00	7.00	4400	9080	978	3048	223	33.6	54.7	3.4	8.0	0.8	1.6	0.1	0.5	-0.1	16.6	1.78	23.5	4.6
KGKRC086	7.00	8.00	3672	7357	748	2288	163	24.3	41.5	3.1	8.4	1.2	1.7	0.2	1.4	0.1	23.0	1.43	17.8	3.5
KGKRC086	8.00	9.00	4995	10500	1131	3483	237	36.1	58.6	4.0	8.8	0.9	1.5	0.1	1.3	-0.1	20.6	2.05	24.2	4.0
KGKRC086	9.00	10.00	2884	6283	701	2316	189	28.7	49.9	3.1	8.3	1.0	1.4	0.1	1.2	0.2	19.9	1.25	22.5	6.3
KGKRC086	10.00	11.00	4382	9210	992	3131	231	34.4	54.6	3.4	8.3	0.8	1.3	0.1	1.0	0.1	17.1	1.81	25.5	5.3
KGKRC086	11.00	12.00	3207	6987	749	2424	177	25.9	44.8	2.9	7.2	0.7	1.4	0.1	1.0	0.1	16.9	1.36	19.8	4.5
KGKRC086	12.00	13.00	3514	7661	831	2699	190	27.8	44.4	2.7	6.0	0.6	1.0	0.1	0.7	-0.1	14.0	1.50	21.9	5.4
KGKRC086	13.00	14.00	3165	6859	750	2415	175	26.5	44.4	2.6	5.7	0.6	1.3	0.1	0.7	0.1	14.9	1.35	19.0	3.7
KGKRC086	14.00	15.00	3924	8174	856	2723	178	27.6	44.8	2.7	6.4	0.7	1.0	0.1	0.8	0.1	13.7	1.60	18.4	5.9
KGKRC086	15.00	16.00	3737	8044	856	2742	192	30.3	48.0	3.2	7.7	1.0	1.7	0.1	0.9	0.1	18.9	1.57	24.6	5.9
KGKRC086	16.00	17.00	5488	10288	1006	2956	213	35.3	64.3	4.6	11.5	1.3	1.8	0.2	1.4	0.1	29.0	2.01	31.3	1.1
KGKRC086	17.00	18.00	3293	5708	537	1581	127	22.9	42.8	3.2	9.8	1.0	1.8	0.2	0.5	0.1	23.1	1.14	24.1	1.7
KGKRC086	18.00	19.00	7523	13679	1337	3901	277	44.9	77.1	5.8	14.8	1.6	2.4	0.1	1.1	0.1	31.1	2.69	32.3	2.4
KGKRC086	19.00	20.00	3217	6522	656	2048	135	21.3	34.5	2.4	5.3	0.8	1.3	0.1	1.0	-0.1	15.0	1.27	14.5	1.8
KGKRC086	20.00	21.00	3239	6578	664	2079	139	21.7	37.2	2.5	7.2	0.8	1.0	-0.1	0.7	-0.1	17.3	1.28	16.4	1.6
KGKRC086	21.00	22.00	3763	7588	802	2524	189	30.9	56.9	4.2	12.4	1.5	2.5	0.2	1.8	0.2	35.4	1.50	40.9	1.6
KGKRC086	22.00	23.00	3207	6409	648	2051	156	25.4	44.8	3.4	10.0	1.2	2.2	0.2	0.7	0.2	25.4	1.26	29.3	1.4
KGKRC086	23.00	24.00	3397	6878	700	2151	148	24.2	39.8	3.1	8.4	0.9	1.3	0.1	0.7	0.1	20.8	1.34	22.9	1.5
KGKRC086	24.00	25.00	4346	9168	979	3040	207	32.1	54.9	3.9	10.6	1.2	2.3	0.2	1.3	0.2	26.2	1.79	31.5	1.4
KGKRC086	25.00	26.00	5431	11445	1200	3662	235	34.6	57.2	3.7	9.0	1.0	1.7	0.2	1.0	0.1	22.4	2.21	28.4	1.4
KGKRC086	26.00	27.00	3279	6519	645	1979	129	21.7	34.5	2.5	5.9	0.6	1.0	-0.1	0.6	-0.1	15.2	1.26	16.1	1.4
KGKRC086	27.00	28.00	3357	6767	687	2126	143	23.5	35.2	2.5	6.1	0.7	1.6	0.1	0.5	-0.1	15.0	1.32	17.0	1.3
KGKRC086	28.00	29.00	2715	5338	539	1645	113	17.7	31.1	2.0	4.5	0.5	1.0	-0.1	0.2	-0.1	13.2	1.04	14.3	1.4
KGKRC086	29.00	30.00	2761	5377	529	1623	109	17.6	29.2	2.2	5.2	0.6	1.3	0.1	0.5	-0.1	14.0	1.05	13.8	1.3
KGKRC086	30.00	31.00	3264	6591	669	2051	139	21.1	36.1	2.4	7.0	0.7	1.4	-0.1	0.4	-0.1	14.5	1.28	16.5	1.4
KGKRC086	31.00	32.00	3371	6788	694	2140	147	22.4	38.2	2.5	7.0	0.8	1.7	0.3	1.2	0.1	18.0	1.32	17.5	1.0
KGKRC086	32.00	33.00	8701	16447	1649	4995	333	50.7	82.5	4.9	13.8	1.3	2.2	0.2	1.5	0.2	30.2	3.23	32.5	1.2
KGKRC086	33.00	34.00	12313	22239	2156	6319	391	58.1	93.7	6.4	14.7	1.5	1.9	0.2	1.0	0.2	31.0	4.36	42.1	0.9
KGKRC086	34.00	35.00	12038	21702	2125	6277	377	54.5	87.9	5.4	11.6	1.2	1.5	0.1	0.7	-0.1	22.5	4.27	36.6	0.7
KGKRC086	35.00	36.00	13070	23828	2395	7368	470	70.9	114.8	7.4	15.6	1.6	2.5	0.2	0.9	0.1	34.2	4.74	46.6	1.2
KGKRC086	36.00	37.00	16258	28815	2858	8790	584	87.3	135.2	8.5	17.5	1.5	1.8	0.1	0.6	-0.1	31.1	5.76	58.1	1.1
KGKRC086	37.00	38.00	12665	23173	2311	6841	438	65.9	105.4	6.4	14.7	1.4	1.8	0.2	1.3	-0.1	29.5	4.57	48.6	1.4
KGKRC086	38.00	39.00	7822	15023	1547	4597	303	45.0	74.3	4.9	10.9	1.4	2.1	0.1	0.7	0.1	25.8	2.95	34.6	2.8
KGKRC086	39.00	40.00	8995	16721	1680	4964	337	51.3	78.9	5.2	12.5	1.3	2.1	0.2	1.4	0.1	28.1	3.29	37.9	1.9
KGKRC086	40.00	41.00	6233	11848	1171	3428	227	35.7	57.1	3.9	9.9	1.0	1.8	0.2	1.1	0.1	21.7	2.30	26.0	3.0
KGKRC086	41.00	42.00	10622	20126	2023	6137	425	67.6	113.3	8.0	20.8	2.2	3.1	0.3	1.9	0.2	45.5	3.96	77.6	1.6
KGKRC086	42.00	43.00	9430	17390	1700	4949	330	53.5	85.9	6.5	16.1	1.5	2.6	0.2	1.4	0.1	33.8	3.40	43.9	1.6
KGKRC086	43.00	44.00	5472	10790	1089	3265	210	32.1	54.9	3.4	9.3	0.8	1.5	0.2	0.7	0.1	18.0	2.09	22.2	2.1
KGKRC086	44.00	45.00	19248	32211	2953	8576	591	100.5	178.3	12.9	31.8	3.4	5.2	0.3	1.5	0.1	67.9	6.40	98.2	1.4
KGKRC086	45.00	46.00	4981	9817	994	2921	190	28.6	47.8	3.2	8.5	0.9	1.6	0.2	1.0	0.1	19.2	1.90	21.9	1.2
KGKRC086	46.00	47.00	4001	8200	837	2558	162	23.9	38.0	2.5	6.0	0.7	1.0	-0.1	0.9	0.1	14.7	1.58	16.5	1.5

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC086	47.00	48.00	3899	8255	862	2582	166	24.4	37.7	2.5	6.1	0.7	1.3	0.1	0.8	-0.1	13.1	1.59	15.5	1.1
KGKRC086	48.00	49.00	7988	15117	1481	4217	258	37.9	59.5	4.0	9.6	0.9	1.5	-0.1	1.0	0.1	17.8	2.92	24.4	0.8
KGKRC086	49.00	50.00	3692	7457	760	2324	154	24.1	40.7	2.7	7.7	0.9	1.6	-0.1	1.1	0.1	19.2	1.45	24.8	1.7
KGKRC086	50.00	51.00	3107	6243	600	1812	113	16.9	30.0	2.2	6.9	0.7	1.4	0.2	1.0	0.1	17.1	1.20	13.8	0.8
KGKRC086	51.00	52.00	3629	6927	664	2006	132	21.4	37.4	2.8	6.9	0.8	1.5	0.1	1.4	0.1	19.6	1.35	17.4	1.1
KGKRC086	52.00	53.00	4699	9872	1046	3216	210	33.7	50.9	3.4	9.4	1.0	1.4	0.2	0.9	0.1	19.8	1.92	25.8	0.7
KGKRC086	53.00	54.00	5110	10958	1170	3661	257	38.9	60.7	3.8	8.6	1.0	1.5	0.2	0.5	0.1	18.2	2.13	28.0	2.3
KGKRC086	54.00	55.00	3015	6494	673	2112	138	20.8	34.0	2.1	4.8	0.6	1.0	0.1	0.8	0.1	13.0	1.25	13.9	3.5
KGKRC086	55.00	56.00	6291	12497	1288	3792	246	36.8	55.9	3.7	8.7	0.8	1.3	0.2	0.9	0.1	18.5	2.42	24.1	1.0
KGKRC086	56.00	57.00	5181	10310	1064	3180	218	31.7	48.5	3.3	7.6	0.7	1.5	0.1	0.8	0.1	16.4	2.01	23.7	1.3
KGKRC086	57.00	58.00	7536	14557	1481	4309	283	44.5	73.7	4.9	11.4	1.3	2.1	0.2	1.0	0.1	24.6	2.83	34.7	0.7
KGKRC086	58.00	59.00	8896	18150	1883	5801	358	51.8	83.4	5.4	11.5	1.3	2.2	0.2	1.0	0.2	25.9	3.53	34.1	1.9
KGKRC086	59.00	60.00	4428	9178	959	2915	201	29.1	47.4	3.1	7.7	0.7	1.4	0.2	0.9	0.2	17.9	1.78	21.4	3.2
KGKRC086	60.00	61.00	9915	19855	2044	6144	408	61.4	95.4	6.4	14.8	1.5	2.2	0.3	1.2	0.2	31.2	3.86	41.9	0.9
KGKRC086	61.00	62.00	7598	15529	1595	4744	308	46.7	72.9	4.8	12.5	1.2	1.3	0.1	0.6	0.1	22.2	2.99	33.7	1.0
KGKRC086	62.00	63.00	6429	13037	1380	4154	283	43.4	67.9	4.2	9.9	0.9	1.4	0.2	1.0	0.1	20.2	2.54	33.3	3.1
KGKRC086	63.00	64.00	4288	8782	902	2744	186	27.2	45.7	2.9	7.8	0.8	1.1	0.2	0.7	-0.1	15.5	1.70	18.9	0.9
KGKRC086	64.00	65.00	3695	7381	737	2208	136	20.8	32.8	2.4	6.3	0.8	1.1	0.1	0.6	-0.1	13.8	1.42	13.4	0.6
KGKRC086	65.00	66.00	3640	7418	747	2245	147	22.0	36.1	2.7	6.3	0.7	1.4	0.2	0.7	-0.1	16.3	1.43	18.4	0.5
KGKRC086	66.00	67.00	5128	10253	1065	3210	218	33.4	53.0	3.3	8.5	0.9	1.1	0.1	0.9	-0.1	16.1	2.00	22.6	0.8
KGKRC086	67.00	68.00	5451	11101	1135	3382	218	33.4	51.1	3.5	8.2	0.9	1.6	0.3	1.1	0.2	18.7	2.14	22.2	0.9
KGKRC086	68.00	69.00	5044	10079	1026	3062	204	29.5	46.7	2.9	6.4	0.7	1.3	0.2	0.7	0.1	15.1	1.95	20.5	0.9
KGKRC086	69.00	70.00	5821	11820	1221	3634	231	33.6	52.4	3.3	7.5	0.9	1.3	0.1	0.8	0.1	16.8	2.28	23.0	1.9
KGKRC086	70.00	71.00	6004	12316	1270	3775	243	34.3	56.2	3.4	7.1	0.8	1.3	0.2	0.7	-0.1	16.5	2.37	22.0	1.0
KGKRC086	71.00	72.00	7662	13963	1340	3798	260	43.2	72.2	5.4	13.8	1.6	3.2	0.5	1.8	0.2	41.0	2.72	42.6	2.3
KGKRC086	72.00	73.00	8042	15502	1510	4366	293	45.0	69.6	4.9	11.8	1.4	2.4	0.3	1.9	0.2	32.3	2.99	41.8	1.9
KGKRC086	73.00	74.00	4426	8740	887	2675	179	27.7	43.2	2.7	6.1	0.7	1.4	0.2	0.9	0.1	14.2	1.70	17.9	0.8
KGKRC086	74.00	75.00	4218	8508	871	2606	182	27.2	41.2	2.7	5.4	0.6	1.0	0.1	0.5	-0.1	12.6	1.65	17.0	0.6
KGKRC086	75.00	76.00	4041	8146	814	2447	169	26.6	39.7	2.6	6.0	0.6	1.4	0.2	0.9	0.1	13.3	1.57	17.6	2.8
KGKRC086	76.00	77.00	15143	27000	2637	7854	551	89.9	139.1	9.6	22.0	2.4	3.1	0.5	1.9	0.2	53.0	5.35	68.3	1.3
KGKRC086	77.00	78.00	13515	24574	2419	7149	484	77.4	123.3	8.6	20.3	2.3	3.5	0.5	1.9	0.2	48.8	4.84	55.3	1.4
KGKRC086	78.00	79.00	18309	32049	3043	8744	579	91.7	146.2	10.5	24.8	2.5	4.0	0.3	1.3	0.2	55.9	6.31	66.7	2.1
KGKRC086	79.00	80.00	11846	20397	1941	5672	376	57.7	96.9	6.8	16.6	1.7	2.7	0.2	1.1	0.1	37.2	4.05	42.2	1.4
KGKRC086	80.00	81.00	9296	15351	1411	3886	263	43.3	67.7	4.9	10.6	1.3	1.8	0.2	1.2	0.1	26.2	3.04	33.5	2.2
KGKRC086	81.00	82.00	22227	37464	3440	9754	634	104.1	171.4	12.8	31.8	3.4	5.7	0.6	2.7	0.5	77.8	7.39	88.6	3.6
KGKRC086	82.00	83.00	20867	39675	3964	11974	830	127.4	201.1	13.1	28.2	3.0	5.3	0.6	3.1	0.5	69.1	7.78	96.2	2.2
KGKRC086	83.00	84.00	11593	22398	2215	6396	394	59.2	89.7	5.9	13.7	1.5	2.3	0.2	1.6	0.2	29.2	4.32	44.1	1.6
KGKRC086	84.00	85.00	8107	15242	1517	4484	331	53.0	81.8	5.2	12.4	1.3	1.8	0.2	1.0	0.1	28.1	2.99	36.5	1.5
KGKRC086	85.00	86.00	9411	17300	1718	5274	370	57.8	91.5	6.0	12.7	1.3	2.1	0.2	0.8	0.1	28.8	3.43	43.0	1.2
KGKRC086	86.00	87.00	10564	18456	1777	5305	359	57.8	95.3	6.2	14.1	1.3	2.3	0.2	0.8	0.1	29.7	3.67	40.8	2.0
KGKRC086	87.00	88.00	6206	11424	1132	3403	257	45.7	83.9	7.2	25.3	3.3	6.2	0.6	2.9	0.5	72.9	2.27	37.0	2.9
KGKRC086	88.00	89.00	14463	26531	2615	7988	586	93.9	155.7	11.5	32.8	4.1	7.7	0.8	4.4	0.6	98.9	5.26	83.8	3.6
KGKRC086	89.00	90.00	13565	24758	2485	7457	550	86.0	133.9	8.9	22.4	2.3	4.0	0.6	2.4	0.3	54.5	4.91	77.4	1.7
KGKRC086	90.00	91.00	12841	22826	2194	6561	456	72.5	112.1	7.2	15.8	1.6	2.7	0.3	1.4	0.2	35.4	4.51	53.6	2.6
KGKRC086	92.00	93.00	14098	25225	2489	7276	505	78.4	123.7	7.9	15.4	1.5	2.3	0.3	1.2	0.1	30.2	4.99	55.4	1.3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC086	93.00	94.00	16972	34708	3695	11505	813	123.9	185.1	10.4	20.2	2.2	2.4	0.2	1.7	0.1	40.5	6.81	82.7	1.2
KGKRC086	94.00	95.00	23022	47786	5294	16642	1245	187.0	280.9	16.0	31.0	3.2	3.3	0.3	1.2	0.1	52.5	9.46	126.7	1.0
KGKRC086	95.00	96.00	22539	45431	4744	14624	1062	163.6	241.2	15.3	29.0	2.8	3.3	0.3	1.0	0.1	51.2	8.89	109.7	1.3
KGKRC086	96.00	97.00	24977	47632	4942	15004	1101	170.3	259.8	15.9	32.4	3.0	4.0	0.5	1.5	0.2	58.2	9.42	113.6	1.4
KGKRC086	97.00	98.00	18430	34737	3427	10349	719	111.3	171.6	10.6	23.4	2.8	4.2	0.5	2.0	0.2	52.8	6.80	78.0	3.6
KGKRC086	98.00	99.00	11943	21549	2091	6263	425	64.4	99.7	7.1	16.2	1.6	2.6	0.3	1.4	0.2	35.7	4.25	43.7	1.6
KGKRC086	99.00	100.00	12292	23071	2335	7035	471	72.5	106.1	7.3	16.9	1.8	3.0	0.3	1.5	0.2	31.4	4.54	47.7	1.5
KGKRC086	100.00	101.00	17791	32892	3382	10249	732	112.4	173.9	10.4	20.4	2.3	3.0	0.3	1.0	0.2	42.8	6.54	73.8	1.2
KGKRC086	101.00	102.00	11596	20884	2045	6067	427	65.5	101.8	6.6	14.6	1.6	1.9	0.2	0.6	0.1	28.7	4.12	43.1	0.9
KGKRC086	102.00	103.00	11684	18356	1642	4458	328	55.6	97.0	6.5	15.8	1.5	2.1	-0.1	1.6	0.1	32.5	3.67	52.8	0.9
KGKRC086	103.00	104.00	16875	26772	2465	6867	440	74.0	121.2	8.7	19.6	1.8	2.7	0.2	1.3	0.1	39.2	5.37	64.5	1.6
KGKRC086	104.00	105.00	9339	17609	1714	4852	310	48.9	75.7	5.1	11.5	1.3	2.2	0.3	1.1	0.1	29.0	3.40	37.5	2.4
KGKRC086	105.00	106.00	10470	19271	1908	5646	387	61.4	102.6	6.8	16.8	2.0	3.5	0.3	2.1	0.3	45.2	3.79	52.2	3.4
KGKRC086	106.00	107.00	14107	25234	2465	7176	492	77.7	119.9	7.8	15.4	1.3	1.7	0.2	0.6	-0.1	26.9	4.97	51.9	1.7
KGKRC086	107.00	108.00	12916	24051	2331	6923	489	80.0	130.7	8.9	19.4	2.1	2.9	0.3	0.9	0.1	37.8	4.70	78.4	1.2
KGKRC086	108.00	109.00	9202	16385	1551	4412	299	47.6	76.0	5.4	11.4	1.3	1.9	0.1	0.8	0.1	26.3	3.20	39.9	1.5
KGKRC086	109.00	110.00	6107	12524	1333	4061	284	43.8	65.2	4.0	9.0	0.9	1.8	0.2	1.3	0.2	21.2	2.45	30.2	2.6
KGKRC086	110.00	111.00	5916	11680	1215	3607	249	37.8	56.2	3.3	7.8	1.0	1.7	0.2	1.0	0.1	18.9	2.28	23.1	3.4
KGKRC086	111.00	112.00	5034	10228	1089	3273	225	33.9	51.3	3.1	6.9	0.9	1.5	0.2	1.3	0.1	18.0	2.00	20.9	4.0
KGKRC086	112.00	113.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC086	113.00	114.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC086	114.00	115.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC086	115.00	116.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC086	116.00	117.00	15816	32178	3372	10253	719	108.6	163.5	10.5	23.0	2.2	4.1	0.3	2.2	0.3	48.4	6.27	70.6	5.5
KGKRC086	117.00	118.00	11548	23555	2491	7715	522	77.8	114.9	6.6	14.5	1.6	2.7	0.2	1.5	0.2	33.3	4.61	44.5	8.0
KGKRC086	118.00	119.00	7442	14197	1452	4246	274	41.0	64.0	3.9	8.5	0.9	1.8	0.2	1.1	0.2	20.7	2.78	27.3	4.7
KGKRC086	119.00	120.00	11314	23772	2475	7673	517	77.8	112.2	6.6	14.0	1.5	1.8	0.1	0.9	0.2	26.2	4.60	42.6	2.7
KGKRC086	120.00	121.00	5167	10468	1082	3190	217	31.8	51.2	3.1	7.7	0.8	1.4	0.2	1.3	0.2	18.5	2.02	28.8	7.2
KGKRC086	121.00	122.00	49020	91072	8759	25970	1762	288.8	476.4	32.0	76.3	6.5	9.3	0.8	2.8	0.6	129.4	17.76	286.4	3.3
KGKRC086	122.00	123.00	34832	65176	6382	18642	1289	210.6	353.8	24.0	54.2	4.9	7.1	0.5	3.1	0.3	95.6	12.71	220.8	3.7
KGKRC086	123.00	124.00	5614	11016	1145	3429	251	40.1	63.2	4.5	9.3	1.0	1.7	0.2	1.0	0.2	23.8	2.16	32.5	3.4
KGKRC086	124.00	125.00	7810	15708	1608	4884	341	52.8	81.4	4.9	11.6	1.2	2.3	0.2	1.3	0.2	24.4	3.05	38.3	3.0
KGKRC086	125.00	126.00	15172	32076	3434	10438	718	106.3	165.5	9.5	20.2	2.1	3.3	0.2	2.3	0.3	40.1	6.22	70.5	4.1
KGKRC086	126.00	127.00	12916	25885	2672	8101	543	81.5	128.1	7.7	17.6	1.7	2.9	0.3	1.3	0.2	36.2	5.04	62.7	4.5
KGKRC086	127.00	128.00	14935	29640	3019	9239	647	98.0	158.3	10.0	22.0	2.3	3.3	0.3	2.1	0.2	46.2	5.78	76.9	5.7
KGKRC086	128.00	129.00	14041	28228	2889	8922	620	95.5	149.3	9.3	22.8	2.3	3.3	0.5	1.7	0.2	46.4	5.50	72.0	6.7
KGKRC086	129.00	130.00	9468	19054	1988	6297	444	69.0	107.1	6.4	14.9	1.4	2.4	0.1	1.4	0.2	28.7	3.75	48.9	4.1
KGKRC086	130.00	131.00	5600	12010	1279	3994	288	42.6	63.7	4.0	9.4	1.2	1.8	0.2	1.3	0.2	19.8	2.33	28.6	3.3
KGKRC086	131.00	132.00	7937	16354	1672	4946	331	51.6	78.3	4.8	10.6	1.2	1.7	0.1	1.3	0.2	23.9	3.14	35.8	2.2
KGKRC086	132.00	133.00	5193	10775	1127	3305	223	33.9	51.6	3.4	8.8	0.9	2.1	0.1	1.2	0.1	20.2	2.07	24.2	2.4
KGKRC086	133.00	134.00	3705	7806	812	2513	171	26.1	40.4	2.5	5.7	0.6	1.1	-0.1	1.0	0.1	13.7	1.51	16.1	2.4
KGKRC086	134.00	135.00	6580	13750	1426	4121	264	39.7	64.7	4.2	9.9	1.0	1.6	0.1	0.7	0.2	21.0	2.63	40.3	1.9
KGKRC086	135.00	136.00	6204	12831	1345	4202	274	42.0	64.2	4.2	8.5	0.9	1.6	0.2	1.0	0.2	20.6	2.48	29.4	2.5
KGKRC086	136.00	137.00	20633	42036	4287	12916	827	122.9	185.3	11.4	24.7	2.2	3.1	0.2	0.9	0.1	42.7	8.11	86.2	2.1
KGKRC086	137.00	138.00	7393	14996	1530	4522	293	44.4	70.8	4.5	11.3	1.2	1.7	0.2	1.2	0.1	24.0	2.89	36.1	2.9

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC086	138.00	139.00	5842	11736	1183	3451	238	35.4	56.5	3.7	9.2	1.0	1.5	0.1	0.9	0.2	19.8	2.26	28.4	3.8
KGKRC086	139.00	140.00	8205	15235	1487	4203	290	44.1	67.7	4.7	11.8	1.4	2.2	0.2	1.0	0.1	25.9	2.96	37.6	2.7
KGKRC086	140.00	141.00	5905	11524	1128	3284	226	35.1	56.0	3.7	9.6	0.9	1.6	0.1	0.9	0.1	21.5	2.22	30.1	3.4
KGKRC086	141.00	142.00	4908	9556	975	2908	204	32.0	48.2	3.3	7.7	0.8	1.4	0.1	1.0	0.1	15.4	1.87	22.5	3.1
KGKRC086	142.00	143.00	6360	11990	1220	3560	240	38.8	60.3	4.2	9.9	1.2	1.7	0.2	0.9	0.1	20.5	2.35	30.5	2.8
KGKRC086	143.00	144.00	11743	21200	2032	5883	424	71.3	120.2	8.0	19.6	1.7	2.7	0.2	0.9	0.1	34.8	4.15	68.6	1.5
KGKRC086	144.00	145.00	3945	7975	827	2556	183	27.9	44.8	2.6	5.7	0.7	1.3	-0.1	0.6	0.1	13.8	1.56	19.7	4.3
KGKRC086	145.00	146.00	6571	12983	1320	3864	254	39.4	57.7	3.8	8.7	0.9	1.7	0.2	0.9	0.1	18.9	2.51	26.5	1.5
KGKRC086	146.00	147.00	16324	32399	3229	9713	604	88.9	137.8	8.8	18.7	1.7	2.4	0.2	1.3	0.2	33.0	6.26	60.8	0.9
KGKRC086	147.00	148.00	9886	19699	2018	6033	386	58.4	90.0	5.4	11.5	1.4	2.1	0.2	1.0	0.2	25.7	3.82	38.4	1.0
KGKRC086	148.00	149.00	5342	10978	1142	3359	228	34.2	51.3	3.3	7.4	0.7	1.4	0.1	0.7	0.2	17.1	2.12	22.5	3.2
KGKRC086	149.00	150.00	6487	12282	1219	3452	232	35.9	56.5	3.8	8.3	0.9	1.5	0.1	0.5	0.1	20.2	2.38	26.3	1.4
KGKRC087	0.00	1.00	4128	8530	880	2654	186	28.1	44.0	2.8	5.9	0.7	1.3	-0.1	0.4	-0.1	14.4	1.65	20.3	0.6
KGKRC087	1.00	2.00	8220	16279	1643	4899	338	54.5	84.4	5.2	13.3	1.3	2.1	0.2	1.2	0.1	27.7	3.16	46.4	6.7
KGKRC087	2.00	3.00	21041	38985	3781	11042	704	110.0	171.7	11.3	24.6	2.3	3.2	0.3	1.8	0.2	45.3	7.59	79.4	0.8
KGKRC087	3.00	4.00	8787	17407	1736	5179	337	51.6	76.0	5.1	10.8	1.2	1.6	0.2	1.2	0.2	24.0	3.36	35.7	4.6
KGKRC087	4.00	5.00	3131	6249	627	1877	129	19.6	33.6	2.5	6.5	0.8	1.7	0.1	1.1	0.2	16.8	1.21	15.1	3.2
KGKRC087	5.00	6.00	3810	7827	780	2350	158	23.6	38.0	2.5	6.2	0.8	1.1	0.2	0.9	0.1	14.7	1.50	19.4	4.7
KGKRC087	6.00	7.00	4489	8940	874	2645	182	27.3	43.3	3.2	9.1	0.9	1.8	0.2	1.2	0.2	20.5	1.72	22.3	2.3
KGKRC087	7.00	8.00	8748	15780	1507	4189	275	41.2	65.5	4.5	10.7	1.2	1.9	0.2	1.2	0.2	22.9	3.06	37.9	5.0
KGKRC087	8.00	9.00	4503	9089	916	2708	190	29.0	44.0	3.1	8.0	0.8	1.5	0.2	0.9	0.2	18.3	1.75	28.3	8.1
KGKRC087	9.00	10.00	5995	11835	1188	3457	226	34.5	51.3	3.5	8.6	0.8	1.4	0.1	1.0	0.1	19.6	2.28	28.0	3.8
KGKRC087	10.00	11.00	14476	23569	2159	6023	424	69.1	116.6	7.2	16.2	1.5	1.9	0.1	0.5	0.1	29.3	4.69	66.2	1.3
KGKRC087	11.00	12.00	15131	25549	2338	6595	447	74.0	122.5	7.4	17.8	1.6	2.2	0.2	0.6	0.1	34.4	5.03	68.3	1.1
KGKRC087	12.00	13.00	3799	7430	727	2129	146	21.8	34.1	2.4	6.1	0.8	1.3	0.2	1.2	0.2	16.5	1.43	18.5	3.3
KGKRC087	13.00	14.00	5057	10000	990	2881	185	27.8	44.7	2.8	6.3	0.8	1.4	0.1	0.8	0.1	16.1	1.92	21.6	2.6
KGKRC087	14.00	15.00	10623	19802	1939	5622	372	58.1	89.5	5.8	13.1	1.3	1.8	0.2	1.2	0.2	24.8	3.86	42.1	1.3
KGKRC087	15.00	16.00	6079	11926	1193	3428	225	34.2	53.1	3.7	9.1	1.2	1.7	0.2	1.1	0.1	19.3	2.30	27.2	1.9
KGKRC087	16.00	17.00	11926	22007	2168	6362	441	73.3	117.0	7.9	19.4	1.7	3.2	0.3	1.8	0.2	38.1	4.32	72.0	2.6
KGKRC087	17.00	18.00	6313	11907	1171	3379	243	38.2	62.5	4.2	10.6	1.2	1.7	0.2	1.1	-0.1	23.8	2.32	36.7	4.1
KGKRC087	18.00	19.00	4550	8886	859	2496	177	27.8	46.3	3.2	8.0	1.0	2.1	0.2	1.6	0.2	25.0	1.71	24.9	2.7
KGKRC087	19.00	20.00	4545	8923	863	2553	172	27.8	44.1	3.2	7.5	1.0	1.7	0.1	1.0	0.2	22.4	1.72	25.6	7.2
KGKRC087	20.00	21.00	4352	8650	875	2609	177	27.4	42.0	3.2	7.2	0.9	1.5	0.2	1.0	-0.1	18.3	1.68	25.1	4.1
KGKRC087	21.00	22.00	4060	7856	770	2295	158	24.9	40.4	2.6	6.2	0.7	0.9	0.2	0.7	0.1	14.9	1.52	22.9	5.6
KGKRC087	22.00	23.00	8014	15292	1484	4324	317	51.2	79.1	5.4	11.9	1.2	1.7	0.1	1.0	0.1	26.8	2.96	51.0	2.0
KGKRC087	23.00	24.00	4474	9130	904	2707	185	27.9	43.4	3.1	8.0	0.9	1.7	-0.1	1.0	0.1	18.2	1.75	23.9	3.5
KGKRC087	24.00	25.00	5730	11491	1175	3432	238	36.1	54.8	3.7	9.5	1.2	1.7	0.2	1.1	0.1	22.2	2.22	31.0	4.5
KGKRC087	25.00	26.00	4132	8207	829	2495	166	24.6	37.0	2.5	6.1	0.6	0.8	-0.1	1.1	-0.1	15.6	1.59	19.1	6.2
KGKRC087	26.00	27.00	7170	12616	1188	3317	225	36.8	60.5	4.5	11.3	1.4	2.4	0.2	1.0	0.2	28.2	2.47	30.7	1.8
KGKRC087	27.00	28.00	12140	21590	2061	6004	421	71.7	115.4	8.0	19.3	2.1	2.6	0.2	1.2	0.1	39.8	4.25	54.4	1.3
KGKRC087	28.00	29.00	10259	18541	1727	4853	338	54.9	88.9	5.9	14.5	1.4	1.9	0.1	0.9	0.2	28.5	3.59	50.2	2.0
KGKRC087	29.00	30.00	7968	14495	1366	3852	265	44.1	72.9	4.9	11.6	1.4	1.6	0.1	0.6	0.1	24.4	2.81	42.0	2.1
KGKRC087	30.00	31.00	10157	17815	1690	4674	319	54.0	85.3	5.9	14.4	1.3	2.2	0.1	0.5	0.1	26.9	3.48	49.8	2.5
KGKRC087	31.00	32.00	12423	21018	1946	5370	360	61.0	98.0	6.8	16.1	1.6	2.4	0.2	1.1	0.2	33.5	4.13	61.1	0.9
KGKRC087	32.00	33.00	11853	20804	1930	5495	371	59.3	96.8	6.6	16.0	1.7	2.6	0.3	1.2	0.2	35.2	4.07	61.3	1.5

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC087	33.00	34.00	8809	16718	1644	4728	337	53.6	83.7	6.0	15.3	1.4	2.1	0.2	1.2	-0.1	29.1	3.24	60.8	19.9
KGKRC087	34.00	35.00	6520	11569	1091	3086	218	38.2	59.7	4.4	11.8	1.3	2.1	0.2	0.7	-0.1	25.9	2.26	35.9	1.9
KGKRC087	35.00	36.00	8986	14965	1370	3672	255	40.3	70.8	5.1	12.4	1.2	1.8	0.2	1.1	-0.1	24.4	2.94	44.3	3.0
KGKRC087	36.00	37.00	7680	13747	1400	4003	269	41.6	68.3	4.5	10.9	1.0	1.5	0.2	1.0	-0.1	23.4	2.73	38.7	2.8
KGKRC087	37.00	38.00	3315	6380	652	1948	133	20.4	34.4	2.4	6.0	0.8	1.4	0.2	0.9	0.1	17.7	1.25	20.6	3.3
KGKRC087	38.00	39.00	4824	9367	975	2807	189	28.6	48.0	3.1	7.9	0.8	1.3	0.1	1.0	0.1	20.8	1.83	29.0	3.4
KGKRC087	39.00	40.00	10435	18718	1865	5201	345	54.0	90.7	6.0	15.7	1.6	2.6	0.2	1.3	0.1	35.6	3.68	61.4	2.0
KGKRC087	40.00	41.00	19468	30790	2839	7761	477	72.5	125.2	8.6	20.4	1.8	2.7	0.3	0.9	0.1	41.3	6.16	78.7	1.2
KGKRC087	41.00	42.00	13056	22720	2211	6336	394	59.8	99.9	6.5	15.6	1.3	2.2	0.2	0.5	0.1	29.7	4.49	57.5	0.8
KGKRC087	42.00	43.00	14793	26388	2638	7527	450	65.0	105.5	6.7	15.7	1.6	2.1	0.2	0.8	0.1	30.9	5.20	51.8	1.5
KGKRC087	43.00	44.00	10490	19086	1933	5502	347	51.9	82.4	5.2	12.4	1.3	1.8	0.2	0.9	0.1	26.5	3.75	40.4	1.7
KGKRC087	44.00	45.00	5300	9893	1002	2868	193	29.6	50.4	3.7	10.4	1.2	2.1	0.2	1.5	0.2	27.4	1.94	25.5	1.5
KGKRC087	45.00	46.00	5846	10801	1093	3069	196	28.8	51.1	3.7	9.5	1.0	1.9	0.2	0.9	0.1	24.5	2.11	28.8	3.1
KGKRC087	46.00	47.00	6197	11481	1164	3288	213	32.8	54.9	3.5	10.2	0.9	1.4	0.3	0.7	0.1	23.0	2.25	29.6	3.2
KGKRC087	47.00	48.00	10264	18764	1887	5416	350	53.6	89.4	6.0	13.5	1.4	2.1	0.1	1.0	0.1	31.1	3.69	50.3	1.2
KGKRC087	48.00	49.00	11305	19732	1930	5614	386	59.5	104.0	6.9	18.3	2.0	2.7	0.3	1.2	0.2	42.3	3.92	58.2	1.0
KGKRC087	49.00	50.00	6594	12268	1262	3671	247	36.9	61.6	4.0	10.2	1.0	1.8	0.1	0.9	0.1	23.0	2.42	34.6	1.2
KGKRC087	50.00	51.00	9137	16031	1607	4609	323	48.8	87.8	6.4	18.0	1.8	2.7	0.3	1.5	0.2	42.9	3.19	63.5	1.9
KGKRC087	51.00	52.00	7734	14913	1554	4476	294	43.9	69.6	4.9	14.1	1.4	2.6	0.3	1.1	0.1	33.1	2.91	41.7	2.0
KGKRC087	52.00	53.00	7519	13769	1386	3986	258	38.3	63.4	4.5	12.7	1.3	2.2	0.3	1.4	0.1	33.5	2.71	35.7	2.4
KGKRC087	53.00	54.00	8625	15681	1570	4533	283	40.9	69.2	4.6	10.4	1.2	2.1	0.2	1.4	0.1	26.3	3.08	35.2	2.7
KGKRC087	54.00	55.00	8911	16411	1651	4610	290	43.2	71.8	4.6	13.1	1.2	2.2	0.1	1.0	0.1	30.4	3.20	38.4	1.1
KGKRC087	55.00	56.00	12430	23555	2428	7166	470	67.2	111.6	6.6	14.8	1.5	2.1	0.2	1.1	-0.1	27.9	4.63	59.4	2.3
KGKRC087	56.00	57.00	8706	15566	1528	4255	270	40.1	65.3	4.2	11.6	1.2	2.2	0.2	1.5	0.2	29.5	3.05	34.2	2.0
KGKRC087	57.00	58.00	15963	27930	2747	7744	508	75.5	122.2	7.9	17.0	1.4	2.3	0.2	1.0	0.1	33.9	5.52	70.4	2.7
KGKRC087	58.00	59.00	9328	15759	1511	4245	275	42.4	71.9	4.9	13.7	1.6	2.5	0.2	1.2	0.2	36.5	3.13	40.3	1.2
KGKRC087	59.00	60.00	10503	18369	1838	5205	316	48.1	79.5	5.2	12.4	1.3	2.4	0.2	0.7	0.1	29.0	3.64	45.4	2.5
KGKRC087	60.00	61.00	9700	16834	1613	4489	281	43.5	76.2	5.2	13.5	1.3	1.9	0.2	1.1	-0.1	33.4	3.31	45.0	1.6
KGKRC087	61.00	62.00	16449	25712	2357	6446	413	67.7	118.5	8.5	21.5	2.2	3.1	0.2	1.1	0.2	45.0	5.16	78.9	1.1
KGKRC087	62.00	63.00	13182	20190	1866	5201	334	54.9	95.5	6.6	17.0	1.5	2.4	0.2	1.0	0.1	35.8	4.10	63.3	1.4
KGKRC087	63.00	64.00	26491	36378	3179	8335	524	82.0	143.4	9.8	22.7	2.1	2.6	0.2	1.0	0.1	46.7	7.52	90.2	0.8
KGKRC087	64.00	65.00	24639	36374	3315	9065	594	95.4	166.6	11.5	26.1	2.8	3.8	0.3	1.5	0.1	59.1	7.44	107.1	0.4
KGKRC087	65.00	66.00	27875	42691	3903	10617	698	110.2	198.6	13.2	32.7	3.4	4.2	0.5	1.7	0.2	70.4	8.62	124.7	0.5
KGKRC087	66.00	67.00	21895	35561	3331	9331	609	94.0	168.4	11.1	26.5	2.5	3.5	0.3	1.5	0.1	54.6	7.11	94.9	0.4
KGKRC087	67.00	68.00	15325	22920	2080	5712	367	58.2	105.2	6.9	17.7	2.0	3.0	0.5	1.5	0.1	43.2	4.66	59.9	0.7
KGKRC087	68.00	69.00	21490	31917	2930	7899	497	78.9	138.4	9.8	26.1	2.4	3.7	0.3	1.4	0.2	55.8	6.50	77.7	1.0
KGKRC087	69.00	70.00	30803	43765	3708	9881	613	102.6	178.6	13.3	37.8	3.6	6.1	0.6	2.4	0.2	87.4	8.92	108.7	2.2
KGKRC087	70.00	71.00	10500	16605	1524	4153	286	49.2	84.9	6.4	18.9	1.7	3.3	0.3	1.8	0.2	45.5	3.33	52.2	1.0
KGKRC087	71.00	72.00	10398	17689	1714	4865	364	62.5	112.4	7.8	20.0	2.0	3.4	0.5	1.6	0.3	46.5	3.53	56.9	1.4
KGKRC087	72.00	73.00	12633	21183	2057	5970	424	68.7	123.5	8.6	22.4	2.2	3.5	0.3	1.6	0.2	53.7	4.26	69.9	1.2
KGKRC087	73.00	74.00	6781	11747	1166	3279	235	38.1	71.1	5.4	16.2	1.6	3.1	0.5	1.2	0.2	41.7	2.34	53.2	1.1
KGKRC087	74.00	75.00	10364	17683	1701	4641	312	47.4	87.2	6.4	16.3	1.7	2.6	0.3	1.5	0.2	42.8	3.49	56.1	0.7
KGKRC087	75.00	76.00	16941	29089	2778	7798	485	76.8	129.6	9.2	25.7	2.4	4.5	0.3	1.7	0.3	65.0	5.74	95.1	0.9
KGKRC087	76.00	77.00	14779	25428	2412	6678	408	62.6	112.3	7.7	23.3	2.8	4.6	0.7	2.2	0.3	69.2	5.00	63.4	1.2
KGKRC087	77.00	78.00	29879	50609	4940	13619	821	124.9	218.3	16.7	54.1	5.4	9.7	1.0	5.5	0.7	152.6	10.05	155.3	2.3



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC087	78.00	79.00	18039	30606	2895	7992	505	77.5	137.9	11.3	34.6	3.8	6.2	0.8	2.6	0.3	96.8	6.04	117.5	1.5
KGKRC087	79.00	80.00	12219	20365	1932	5290	346	56.6	101.9	7.5	21.2	2.1	3.3	0.3	1.3	0.1	52.3	4.04	82.8	0.9
KGKRC087	80.00	81.00	16080	26348	2468	6632	427	70.6	130.6	11.1	30.9	3.2	4.5	0.3	2.0	0.2	75.8	5.23	128.2	1.1
KGKRC087	81.00	82.00	18102	30524	2853	7894	480	74.5	134.9	10.9	33.5	3.9	5.7	0.5	2.9	0.3	98.4	6.02	99.8	1.4
KGKRC087	82.00	83.00	19667	33445	3073	8463	532	81.5	150.3	11.2	28.9	3.2	4.9	0.5	2.4	0.2	79.0	6.55	108.4	1.2
KGKRC087	83.00	84.00	14532	25287	2315	6350	400	61.8	115.8	8.8	27.1	3.0	4.4	0.5	3.0	0.2	71.5	4.92	80.7	1.3
KGKRC087	84.00	85.00	12825	21700	1978	5516	347	53.7	96.2	7.7	24.3	2.5	3.4	0.5	1.7	0.2	61.2	4.26	79.0	5.6
KGKRC087	85.00	86.00	5175	8991	808	2280	156	24.6	44.9	3.7	11.0	1.0	1.8	0.2	0.6	-0.1	28.2	1.75	44.3	5.3
KGKRC087	86.00	87.00	11691	18509	1657	4374	286	46.7	85.5	7.7	21.5	2.4	3.3	0.5	1.3	0.1	52.6	3.67	81.1	10.4
KGKRC087	87.00	88.00	21474	33872	2993	8263	520	80.0	139.2	11.3	29.2	3.0	3.5	0.3	1.3	0.2	67.9	6.75	97.6	2.1
KGKRC087	88.00	89.00	24045	39519	3539	9943	633	95.9	169.7	12.6	35.0	3.3	5.3	0.6	2.1	0.2	83.1	7.81	103.3	2.5
KGKRC087	89.00	90.00	37062	60120	5689	15765	1019	152.2	262.8	17.8	46.7	4.7	6.3	0.6	2.9	0.3	110.4	12.03	183.6	2.2
KGKRC087	90.00	91.00	31979	50016	4873	13702	883	133.2	229.2	15.2	42.1	4.4	4.8	0.6	2.1	0.2	94.7	10.20	156.7	1.8
KGKRC087	91.00	92.00	13995	23944	2208	6088	375	58.9	103.3	8.2	24.2	2.4	3.4	0.3	1.4	0.2	54.0	4.69	70.5	2.3
KGKRC087	92.00	93.00	9354	15948	1483	4130	298	47.7	103.7	10.8	35.8	3.4	5.3	0.6	2.4	0.2	83.1	3.15	202.1	3.0
KGKRC087	93.00	94.00	9565	15916	1462	3918	257	39.4	73.7	6.0	17.8	2.1	2.9	0.2	1.6	0.1	46.4	3.13	71.7	2.3
KGKRC087	94.00	95.00	9160	15988	1466	3945	256	40.3	76.3	6.9	21.2	2.1	3.0	0.3	1.5	0.1	48.3	3.10	76.8	3.5
KGKRC087	95.00	96.00	5923	10012	899	2467	171	27.2	50.7	4.4	14.9	1.7	2.6	0.3	1.4	-0.1	40.3	1.96	43.9	5.8
KGKRC087	96.00	97.00	12457	20617	1861	5003	311	47.7	91.2	7.3	23.5	2.6	3.4	0.5	1.8	0.2	62.9	4.05	75.3	2.2
KGKRC087	97.00	98.00	13369	24214	2303	6601	407	59.5	107.7	8.4	22.7	2.4	3.2	0.3	1.4	0.1	56.1	4.72	87.9	3.8
KGKRC087	98.00	99.00	12078	21359	1929	5277	336	53.2	95.6	7.2	20.4	2.1	2.7	0.3	1.2	0.1	53.1	4.12	79.0	5.0
KGKRC087	99.00	100.00	15232	26580	2472	6940	433	65.2	110.4	8.2	23.8	2.4	3.7	0.3	1.3	0.1	57.3	5.19	87.8	3.4
KGKRC087	100.00	101.00	15887	27117	2497	6967	420	62.4	113.3	8.2	21.8	2.5	3.7	0.5	1.5	0.2	58.2	5.32	84.0	2.2
KGKRC087	101.00	102.00	19568	32556	2934	7816	468	72.1	121.1	8.5	22.3	2.5	3.7	0.5	1.7	0.2	58.3	6.36	74.9	4.8
KGKRC087	102.00	103.00	6872	11652	1090	2987	230	38.8	78.9	6.2	21.5	2.6	5.2	0.6	3.9	0.5	68.2	2.31	55.3	6.1
KGKRC087	103.00	104.00	6977	11411	1026	2784	189	29.9	57.2	4.2	13.5	1.6	3.2	0.3	1.6	0.2	42.9	2.25	41.6	4.7
KGKRC087	104.00	105.00	9495	15905	1415	3777	238	37.5	65.8	5.4	15.2	1.6	2.6	0.2	1.5	0.2	40.4	3.10	56.6	5.3
KGKRC087	105.00	106.00	15783	26602	2431	6706	407	62.3	110.4	8.4	25.3	2.8	3.7	0.3	1.2	0.1	61.6	5.22	89.4	2.7
KGKRC087	106.00	107.00	17153	28551	2560	7040	443	65.1	113.9	8.8	23.6	2.3	3.2	0.3	1.0	0.1	54.5	5.60	82.6	2.5
KGKRC087	107.00	108.00	16028	26740	2450	6807	413	61.3	109.4	8.4	25.0	2.2	2.9	0.3	1.2	-0.1	52.5	5.27	73.1	2.9
KGKRC087	108.00	109.00	11289	18974	1756	4719	310	48.4	91.6	7.5	21.8	2.4	3.2	0.2	1.1	0.1	51.3	3.73	95.9	3.3
KGKRC087	109.00	110.00	10993	18867	1731	4671	297	44.1	79.0	5.7	15.6	2.0	2.2	0.2	1.1	0.1	41.3	3.67	62.1	4.4
KGKRC087	110.00	111.00	15036	24475	2204	6007	374	57.1	105.1	8.8	25.8	2.8	3.5	0.5	1.7	0.2	60.2	4.84	82.9	2.6
KGKRC087	111.00	112.00	13674	23207	2135	5899	376	58.0	107.6	8.2	23.3	2.4	3.9	0.2	1.2	0.2	56.1	4.56	96.4	2.5
KGKRC087	112.00	113.00	13150	21945	1998	5349	322	49.4	87.2	6.8	18.9	2.2	2.5	0.2	0.7	0.1	44.5	4.30	73.4	1.8
KGKRC087	113.00	114.00	11886	19960	1790	4708	288	42.8	75.6	5.8	15.5	1.7	2.6	0.3	1.1	0.1	38.6	3.88	55.2	2.3
KGKRC087	114.00	115.00	15511	26131	2330	6336	408	63.3	122.7	10.2	29.7	3.0	4.6	0.5	1.4	0.2	68.6	5.10	106.0	3.3
KGKRC087	115.00	116.00	13716	24237	2204	6021	354	52.1	93.1	7.8	25.1	2.9	4.1	0.6	2.4	0.2	66.8	4.68	71.2	2.9
KGKRC087	116.00	117.00	13713	22990	2104	5781	346	51.9	86.5	6.1	16.5	1.8	3.0	0.3	1.5	0.1	40.5	4.51	60.9	2.6
KGKRC087	117.00	118.00	14545	24407	2260	6140	366	54.9	91.1	6.9	19.3	2.0	3.0	0.5	1.4	0.1	46.1	4.79	65.0	2.8
KGKRC087	118.00	119.00	15940	26021	2306	6220	377	54.9	97.1	7.3	19.5	2.0	3.1	0.3	1.9	0.1	48.4	5.11	67.9	4.8
KGKRC087	119.00	120.00	9683	16060	1446	3843	240	35.4	59.6	5.1	13.9	1.6	2.9	0.2	1.1	0.1	35.2	3.14	52.1	5.1
KGKRC087	120.00	121.00	8084	13783	1280	3460	232	36.7	65.0	4.7	14.0	1.6	2.5	0.3	1.8	0.2	37.8	2.70	42.0	5.0
KGKRC087	121.00	122.00	12367	21174	1980	5672	402	63.9	109.6	6.9	18.3	2.1	3.0	0.5	1.6	0.2	47.5	4.18	69.5	2.2
KGKRC087	122.00	123.00	8948	15171	1371	3647	232	36.1	63.4	4.1	10.4	1.3	1.8	0.2	1.2	0.2	27.3	2.95	35.6	5.5

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC087	123.00	124.00	7129	11504	1031	2627	165	25.9	46.6	4.0	12.1	1.6	2.3	0.2	1.8	0.1	35.8	2.26	34.5	5.1
KGKRC087	124.00	125.00	8485	13306	1144	2876	168	25.8	51.3	4.6	16.3	1.7	2.7	0.3	2.4	0.2	46.4	2.61	56.9	5.2
KGKRC087	125.00	126.00	10078	15722	1345	3403	206	32.2	61.7	4.8	16.5	1.7	2.6	0.2	1.5	0.2	46.2	3.09	70.5	3.5
KGKRC087	126.00	127.00	6273	10194	883	2392	155	25.1	45.9	3.7	11.8	1.4	2.5	0.2	1.0	0.1	33.1	2.00	37.8	5.6
KGKRC087	127.00	128.00	14602	23183	2028	5386	358	57.0	107.2	8.6	24.0	2.4	3.7	0.3	1.3	-0.1	59.7	4.58	98.9	3.0
KGKRC087	128.00	129.00	10532	16860	1498	3918	249	39.4	72.1	6.1	18.6	2.0	3.0	0.3	0.9	0.1	46.4	3.32	61.5	4.2
KGKRC087	129.00	130.00	8369	13764	1223	3259	217	34.5	67.6	5.7	17.5	1.8	2.6	0.3	1.0	0.2	45.1	2.70	70.5	4.1
KGKRC087	130.00	131.00	6006	10161	875	2343	156	26.2	49.7	4.0	12.5	1.6	2.1	0.2	1.7	0.3	36.3	1.97	48.1	5.5
KGKRC087	131.00	132.00	9868	15868	1373	3593	236	36.7	70.3	6.4	18.5	2.1	3.4	0.5	1.5	0.2	53.2	3.11	73.8	4.5
KGKRC087	132.00	133.00	5901	9627	833	2213	142	23.3	46.7	3.8	11.7	1.3	1.8	0.2	1.5	0.2	31.8	1.88	39.9	6.6
KGKRC087	133.00	134.00	4890	8056	699	1878	120	20.5	36.7	2.8	9.3	1.2	1.4	0.2	0.9	0.2	25.4	1.57	29.0	7.2
KGKRC087	134.00	135.00	6555	11124	1016	2714	176	29.3	55.5	4.7	14.0	1.6	2.9	0.3	1.2	0.2	39.2	2.17	52.8	8.5
KGKRC087	135.00	136.00	5197	8506	723	1938	125	21.3	43.3	4.0	16.6	2.3	4.1	0.6	3.8	0.6	65.8	1.67	49.3	5.6
KGKRC087	136.00	137.00	5784	9820	870	2339	150	24.2	44.0	3.3	7.8	1.0	1.8	0.2	1.3	0.1	25.1	1.91	33.9	8.0
KGKRC087	137.00	138.00	10994	17725	1556	4108	253	38.8	70.8	5.3	14.5	1.7	2.5	0.3	1.4	-0.1	37.8	3.48	52.9	3.6
KGKRC087	138.00	139.00	6489	10828	984	2680	177	27.1	51.2	4.1	11.5	1.3	2.6	0.2	1.3	0.2	32.6	2.13	36.1	6.9
KGKRC087	139.00	140.00	7863	12917	1130	2954	190	29.4	55.7	5.7	21.9	2.9	3.3	0.3	1.7	0.2	60.1	2.52	39.8	5.4
KGKRC087	140.00	141.00	7277	11621	980	2503	160	25.1	48.1	4.6	15.0	2.0	2.7	0.3	1.8	0.2	48.6	2.27	42.5	5.0
KGKRC087	141.00	142.00	17818	27716	2373	6237	401	64.0	127.3	9.9	33.3	3.7	5.3	0.5	2.2	0.2	88.9	5.49	103.1	2.4
KGKRC087	142.00	143.00	13299	20402	1735	4392	267	41.7	79.1	7.5	24.9	2.8	4.1	0.5	1.9	0.2	71.0	4.03	66.0	2.6
KGKRC087	143.00	144.00	5731	9332	797	2115	136	21.3	42.1	3.4	10.9	1.3	2.2	0.3	1.3	0.2	33.1	1.82	33.3	6.6
KGKRC087	144.00	145.00	7426	11777	1009	2583	167	26.6	53.9	4.7	16.9	2.1	4.7	0.5	2.8	0.3	61.0	2.31	53.3	3.9
KGKRC087	145.00	146.00	7087	11543	1006	2632	167	27.1	54.5	4.8	15.6	2.3	4.6	0.5	2.5	0.5	63.1	2.26	50.4	3.6
KGKRC087	146.00	147.00	9842	16240	1499	3992	241	41.2	74.1	6.4	20.2	2.0	4.2	0.3	1.8	0.2	56.1	3.20	74.0	3.4
KGKRC087	147.00	148.00	11610	19818	1871	4969	303	51.5	91.3	7.4	22.0	2.4	3.4	0.5	1.8	0.2	62.9	3.88	82.2	3.3
KGKRC087	148.00	149.00	7203	12043	1136	2999	188	32.3	58.1	5.5	19.3	2.5	4.7	0.6	2.6	0.5	69.0	2.38	62.7	2.8
KGKRC087	149.00	150.00	7882	13416	1256	3316	192	33.0	57.5	5.1	17.3	2.0	4.1	0.5	1.8	0.2	53.6	2.62	50.0	3.7
KGKRC088	0.00	1.00	2056	4311	465	1384	102	17.1	30.2	2.4	7.9	1.0	1.8	0.3	1.1	0.2	24.0	0.84	15.8	0.4
KGKRC088	1.00	2.00	1872	3810	414	1241	92	15.5	26.0	2.0	6.2	0.8	1.7	0.2	1.2	0.2	20.3	0.75	13.3	0.4
KGKRC088	2.00	3.00	9558	16857	1732	4944	361	62.6	113.1	8.0	23.2	2.5	3.9	0.5	2.6	0.3	61.3	3.37	55.5	1.3
KGKRC088	3.00	4.00	8728	16339	1694	4913	357	58.2	96.7	6.6	18.1	2.0	3.2	0.3	1.0	0.2	40.6	3.23	52.3	0.5
KGKRC088	4.00	5.00	4546	9297	993	2852	211	33.0	57.8	3.7	9.4	1.0	1.7	0.2	0.6	-0.1	22.6	1.80	29.8	0.3
KGKRC088	5.00	6.00	5681	11292	1171	3381	240	37.1	61.7	4.4	12.3	1.3	2.5	0.3	1.3	0.2	32.1	2.19	38.7	0.2
KGKRC088	6.00	7.00	4040	8127	870	2557	183	30.1	48.4	3.2	9.2	1.0	1.8	0.2	0.9	0.1	21.3	1.59	25.0	0.1
KGKRC088	7.00	8.00	3073	6240	669	1944	147	23.0	41.5	2.8	7.5	0.9	1.9	0.2	0.8	0.1	21.5	1.22	20.4	0.3
KGKRC088	8.00	9.00	6031	11893	1273	3737	269	42.4	69.2	4.5	11.3	1.2	1.8	0.3	1.2	0.1	25.3	2.34	49.4	0.6
KGKRC088	9.00	10.00	2352	4802	506	1493	118	20.6	36.4	2.8	7.1	1.0	1.6	0.2	0.5	0.1	20.7	0.94	17.3	0.2
KGKRC088	10.00	11.00	2693	5468	593	1763	130	20.8	36.3	2.6	7.7	0.8	1.5	0.2	0.9	0.1	20.3	1.07	16.7	0.1
KGKRC088	11.00	12.00	2275	4671	506	1517	124	21.8	40.5	2.8	8.6	0.8	1.3	0.3	1.2	-0.1	21.5	0.92	21.9	0.3
KGKRC088	12.00	13.00	2176	4661	522	1564	123	20.4	37.0	2.6	9.2	0.9	1.6	0.2	0.8	0.1	20.6	0.91	17.4	0.2
KGKRC088	13.00	14.00	1414	3112	359	1106	91	14.0	27.1	1.8	4.9	0.6	1.6	0.1	1.0	-0.1	16.3	0.61	11.4	-0.1
KGKRC088	14.00	15.00	1776	3913	453	1386	113	18.9	33.7	2.2	7.5	0.8	1.8	0.1	1.0	-0.1	19.1	0.77	15.4	-0.1
KGKRC088	15.00	16.00	1488	3292	371	1139	90	15.3	29.1	2.4	6.9	0.9	1.6	0.2	1.0	0.1	21.2	0.65	12.9	0.2
KGKRC088	16.00	17.00	2167	4699	524	1623	121	19.5	37.1	2.8	8.2	1.2	1.8	0.3	1.3	0.1	24.9	0.92	15.7	0.2
KGKRC088	17.00	18.00	1158	2602	292	940	83	14.6	27.5	1.9	6.2	0.8	1.1	0.2	0.7	-0.1	19.4	0.51	12.3	0.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC088	18.00	19.00	2039	4425	505	1575	137	22.4	43.1	2.9	7.2	0.8	1.5	0.2	0.9	0.1	19.4	0.88	19.6	0.1
KGKRC088	19.00	20.00	1560	3414	402	1292	119	20.4	37.6	2.7	7.6	0.9	1.8	0.2	1.5	0.2	23.9	0.69	16.5	0.2
KGKRC088	20.00	21.00	1698	3655	420	1339	116	19.5	36.8	2.5	7.7	0.8	1.6	0.2	1.1	0.1	19.8	0.73	16.2	0.2
KGKRC088	21.00	22.00	5005	9501	1004	2932	225	38.1	66.8	4.2	11.5	1.3	2.1	0.2	1.4	0.2	29.2	1.88	31.3	0.7
KGKRC088	22.00	23.00	1310	2810	317	970	78	15.2	27.3	2.0	6.5	0.8	1.3	-0.1	0.3	0.1	18.7	0.56	13.2	0.4
KGKRC088	23.00	24.00	1091	2416	280	876	77	13.9	25.3	1.9	6.3	0.8	1.4	0.1	0.8	0.2	16.9	0.48	14.0	0.4
KGKRC088	24.00	25.00	963	2077	236	753	74	14.7	29.1	2.4	7.8	1.0	2.1	0.2	1.5	0.2	25.8	0.42	20.9	3.5
KGKRC088	25.00	26.00	503	1162	152	557	88	22.7	58.9	6.5	28.9	4.9	10.4	1.3	7.0	1.1	122.0	0.27	20.0	12.5
KGKRC088	26.00	27.00	1363	2834	326	1060	113	23.6	48.0	4.1	15.7	2.2	4.6	0.5	3.0	0.3	58.0	0.59	30.3	8.3
KGKRC088	27.00	28.00	6520	12438	1287	3780	291	49.8	86.2	6.1	17.8	2.0	3.2	0.3	2.1	0.2	42.4	2.45	44.2	2.9
KGKRC088	28.00	29.00	2025	4027	443	1363	129	24.6	47.3	3.8	10.2	1.2	2.3	0.2	2.1	0.2	30.5	0.81	35.2	2.0
KGKRC088	29.00	30.00	1444	2950	337	1082	118	27.1	65.8	9.3	56.7	9.5	21.4	2.4	11.8	1.7	292.1	0.64	63.5	11.7
KGKRC088	30.00	31.00	3019	6184	677	2077	176	30.6	58.6	4.5	12.2	1.4	2.6	0.2	1.7	0.2	36.8	1.23	39.7	3.7
KGKRC088	31.00	32.00	1031	2245	255	808	73	14.7	27.0	2.1	6.3	0.7	1.3	0.2	0.7	0.1	18.9	0.45	15.8	0.2
KGKRC088	32.00	33.00	3347	6808	746	2241	174	29.8	49.8	3.5	11.0	0.9	1.8	0.2	0.9	0.1	24.1	1.34	27.0	0.3
KGKRC088	33.00	34.00	1671	3496	388	1186	104	19.1	34.6	2.7	7.4	1.0	1.9	0.2	1.2	0.2	23.6	0.69	17.8	0.3
KGKRC088	34.00	35.00	962	2093	236	760	72	12.4	25.4	2.0	8.0	1.0	2.1	0.3	1.2	0.1	25.4	0.42	9.9	0.1
KGKRC088	35.00	36.00	1929	3994	439	1323	108	18.8	33.8	2.5	7.9	0.9	2.1	0.2	1.2	0.2	25.5	0.79	16.3	0.3
KGKRC088	36.00	37.00	4160	8458	927	2782	228	37.8	66.3	4.1	13.0	1.3	2.3	0.1	1.8	0.1	32.4	1.67	29.9	0.6
KGKRC088	37.00	38.00	9985	19046	1988	5858	413	67.3	110.6	7.1	17.8	1.8	3.0	0.2	1.0	-0.1	37.8	3.75	51.5	1.9
KGKRC088	38.00	39.00	1967	4392	500	1603	145	25.1	44.6	3.1	7.7	0.9	1.8	0.2	1.1	-0.1	22.9	0.87	21.2	0.1
KGKRC088	39.00	40.00	2138	4518	509	1608	146	27.3	48.7	3.2	9.4	1.0	1.7	0.2	1.3	-0.1	23.6	0.90	22.3	0.1
KGKRC088	40.00	41.00	1844	4004	454	1414	122	21.3	38.2	2.6	7.2	0.8	1.4	0.1	0.8	0.1	18.2	0.79	19.3	0.1
KGKRC088	41.00	42.00	1183	2487	289	910	86	15.5	29.2	2.0	7.2	0.8	1.6	0.1	1.0	0.1	20.5	0.50	16.5	0.2
KGKRC088	42.00	43.00	1088	2380	280	919	86	17.1	31.2	2.2	7.6	0.9	1.7	0.2	0.8	0.2	22.4	0.48	16.9	-0.1
KGKRC088	43.00	44.00	1147	2531	288	926	76	14.1	25.3	1.9	5.4	0.6	1.3	-0.1	0.6	-0.1	15.2	0.50	12.8	-0.1
KGKRC088	44.00	45.00	4079	8250	871	2591	185	31.4	53.5	3.3	9.1	1.0	1.7	0.1	0.9	0.1	23.9	1.61	27.0	0.2
KGKRC088	45.00	46.00	2958	6151	696	2160	175	31.6	53.9	3.5	9.5	0.9	2.1	0.2	0.9	0.1	23.8	1.23	28.2	0.2
KGKRC088	46.00	47.00	3700	7889	866	2731	231	42.3	70.0	4.7	14.6	1.5	2.2	0.2	1.3	0.1	32.4	1.56	44.4	0.3
KGKRC088	47.00	48.00	5108	10358	1130	3436	277	46.6	78.9	4.9	12.1	1.4	1.9	0.2	1.0	0.1	28.6	2.05	37.1	0.2
KGKRC088	48.00	49.00	9096	17637	1889	5646	435	74.7	122.6	7.9	20.7	2.1	3.5	0.2	1.1	0.2	45.8	3.50	77.5	0.9
KGKRC088	49.00	50.00	5522	11152	1202	3655	293	50.1	83.8	5.4	14.0	1.5	2.2	0.2	1.1	0.1	29.0	2.20	39.7	0.2
KGKRC088	50.00	51.00	3966	8128	892	2731	223	39.7	65.6	4.2	11.9	1.2	1.9	0.2	0.7	-0.1	25.4	1.61	31.9	0.1
KGKRC088	51.00	52.00	7556	14745	1552	4522	336	58.7	98.7	6.7	15.4	1.7	2.3	0.1	0.7	0.1	31.9	2.89	48.5	0.3
KGKRC088	52.00	53.00	2354	4880	536	1660	141	24.2	40.2	2.7	6.4	0.8	1.6	0.2	0.6	-0.1	18.3	0.97	18.8	0.2
KGKRC088	53.00	54.00	2699	5574	601	1885	151	26.5	45.7	2.6	8.0	0.8	1.5	0.1	0.9	-0.1	17.7	1.10	19.6	0.3
KGKRC088	54.00	55.00	2896	6170	678	2161	172	28.4	48.0	2.9	8.2	0.9	1.6	0.2	0.7	0.1	19.3	1.22	21.9	0.3
KGKRC088	55.00	56.00	5143	10666	1139	3422	260	43.4	66.9	4.5	12.4	1.3	1.9	0.2	1.1	-0.1	27.7	2.08	34.6	0.3
KGKRC088	56.00	57.00	3258	6767	760	2333	185	32.8	53.8	3.5	9.8	0.9	1.8	0.2	0.6	0.2	23.8	1.34	25.4	0.1
KGKRC088	57.00	58.00	2544	5382	610	1890	152	26.9	44.6	2.8	8.8	0.9	2.1	0.2	0.8	0.2	21.2	1.07	20.9	0.1
KGKRC088	58.00	59.00	3188	6622	738	2264	181	30.2	52.0	3.4	8.7	0.9	1.4	0.2	0.7	-0.1	20.3	1.31	29.4	0.1
KGKRC088	59.00	60.00	2573	5456	594	1831	141	24.0	39.7	2.7	7.2	0.7	1.6	0.1	0.9	-0.1	16.9	1.07	18.0	-0.1
KGKRC088	60.00	61.00	4317	8630	915	2693	190	32.1	50.8	3.5	8.6	1.2	2.1	0.2	1.2	0.2	23.5	1.69	22.9	0.1
KGKRC088	61.00	62.00	1291	2885	329	1063	92	16.7	29.9	2.0	5.6	0.6	1.0	0.1	0.7	-0.1	14.2	0.57	15.5	-0.1
KGKRC088	62.00	63.00	1370	3074	352	1114	94	16.8	29.7	2.2	6.4	0.7	1.3	0.2	1.0	0.1	18.2	0.61	18.5	0.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC088	63.00	64.00	3612	7417	835	2608	216	39.3	66.3	4.5	11.5	1.3	2.3	0.2	1.3	0.1	27.8	1.48	36.9	0.7
KGKRC088	64.00	65.00	2388	4768	525	1649	145	26.9	45.7	3.4	9.5	1.0	2.4	0.3	1.4	0.2	28.2	0.96	29.3	5.8
KGKRC088	65.00	66.00	2667	5585	611	1890	149	25.0	39.7	2.6	7.6	0.9	1.3	0.2	0.5	-0.1	19.9	1.10	20.7	1.6
KGKRC088	66.00	67.00	4923	9624	1002	2964	214	34.7	61.9	4.1	11.4	1.3	2.3	0.2	1.2	0.2	29.5	1.89	31.0	1.5
KGKRC088	67.00	68.00	1624	3157	348	1087	103	21.1	39.3	3.7	11.0	1.7	3.2	0.2	2.0	0.5	37.8	0.64	30.7	7.0
KGKRC088	68.00	69.00	1189	2227	238	744	81	17.7	37.0	4.0	16.3	2.1	5.2	0.6	3.4	0.6	62.5	0.46	27.8	7.1
KGKRC088	69.00	70.00	1950	3881	424	1352	129	25.2	51.6	4.6	18.9	2.8	6.3	0.9	4.7	0.6	76.8	0.79	34.0	8.7
KGKRC088	70.00	71.00	2740	5952	659	2081	184	33.5	64.5	4.8	17.5	2.3	4.7	0.7	3.5	0.5	59.3	1.18	39.7	14.3
KGKRC088	71.00	72.00	3075	6314	693	2222	202	36.8	70.7	5.4	18.0	2.2	5.2	0.5	2.7	0.3	52.6	1.27	43.4	5.4
KGKRC088	72.00	73.00	2035	4271	471	1473	141	26.8	51.7	4.4	16.5	2.0	4.2	0.5	2.1	0.5	52.3	0.86	35.7	6.0
KGKRC088	73.00	74.00	1658	3572	401	1318	124	24.3	43.4	3.4	12.3	1.6	2.9	0.3	1.9	0.3	38.4	0.72	26.1	8.1
KGKRC088	74.00	75.00	2954	6338	704	2262	211	40.5	77.4	5.7	17.6	2.3	4.8	0.6	2.1	0.3	55.8	1.27	39.4	7.0
KGKRC088	75.00	76.00	3678	6766	692	2048	172	32.1	55.6	3.8	11.4	1.2	1.9	0.3	1.3	0.2	27.3	1.35	28.2	0.6
KGKRC088	76.00	77.00	4344	8206	872	2587	206	36.0	61.6	4.1	11.7	1.3	1.9	0.2	0.9	0.1	28.3	1.64	29.5	0.4
KGKRC088	77.00	78.00	3544	6777	707	2134	169	31.6	52.2	3.7	10.1	1.0	2.2	0.3	0.9	-0.1	24.9	1.35	27.1	0.6
KGKRC088	78.00	79.00	2694	5247	566	1716	144	24.8	40.0	2.7	8.5	0.9	1.6	0.2	1.1	0.1	20.2	1.05	21.2	0.5
KGKRC088	79.00	80.00	2703	5573	617	1939	171	31.5	55.1	4.0	11.3	1.3	2.2	0.3	1.1	0.2	27.8	1.11	37.6	1.4
KGKRC089	0.00	1.00	6758	12054	1194	3438	257	44.4	82.7	6.4	18.9	2.2	4.0	0.5	2.7	0.3	53.0	2.39	27.1	3.1
KGKRC089	1.00	2.00	5724	10371	1061	3119	246	47.7	84.7	6.4	19.5	2.5	4.2	0.5	2.8	0.5	60.8	2.08	25.8	2.0
KGKRC089	2.00	3.00	6598	11954	1241	3606	279	50.7	94.3	7.4	23.3	2.8	5.7	0.7	3.4	0.6	69.8	2.39	31.1	3.2
KGKRC089	3.00	4.00	5722	10335	1045	3040	230	41.6	74.7	5.9	18.4	2.1	3.2	0.5	1.9	0.3	50.9	2.06	26.0	2.4
KGKRC089	4.00	5.00	5739	10481	1084	3085	219	37.6	62.3	4.5	13.5	1.2	1.9	0.2	0.7	0.1	28.8	2.08	28.9	2.0
KGKRC089	5.00	6.00	6910	12225	1186	3307	224	38.1	60.8	4.5	11.6	1.4	2.4	0.1	1.1	0.1	29.3	2.40	29.0	1.8
KGKRC089	6.00	7.00	4759	8733	872	2476	167	29.0	46.9	3.3	8.8	1.0	1.6	0.1	0.7	-0.1	20.3	1.71	21.3	3.0
KGKRC089	7.00	8.00	6361	11122	1115	3115	209	35.9	60.0	4.1	9.8	1.0	1.5	-0.1	0.5	-0.1	20.8	2.21	27.4	3.8
KGKRC089	8.00	9.00	6745	11633	1150	3247	221	37.2	59.8	4.2	11.9	1.0	1.8	0.2	1.0	-0.1	23.8	2.31	30.4	1.5
KGKRC089	9.00	10.00	6071	10589	1038	2958	195	33.7	57.7	3.9	8.6	1.0	1.3	0.2	0.9	0.1	21.6	2.10	24.6	2.0
KGKRC089	10.00	11.00	6439	11100	1092	3065	204	33.4	57.1	3.8	9.5	0.9	1.3	0.2	0.9	-0.1	19.9	2.20	24.6	1.9
KGKRC089	11.00	12.00	5964	10649	1067	3061	205	35.1	55.5	3.8	9.1	0.9	1.1	0.2	0.5	-0.1	19.4	2.11	24.3	2.0
KGKRC089	12.00	13.00	5645	9943	998	2844	193	32.5	53.2	3.4	9.1	1.0	1.1	0.2	0.4	-0.1	17.4	1.97	23.3	2.0
KGKRC089	13.00	14.00	5974	10482	1038	2880	191	33.0	55.5	3.5	9.2	0.8	1.4	0.1	0.7	-0.1	19.4	2.07	26.0	2.0
KGKRC089	14.00	15.00	7373	12598	1205	3377	220	37.4	60.3	3.9	9.6	0.9	1.7	0.2	0.8	-0.1	19.9	2.49	25.8	2.3
KGKRC089	15.00	16.00	5703	10019	994	2848	198	32.9	55.9	3.5	9.2	0.9	1.7	0.1	1.3	-0.1	21.2	1.99	26.8	3.0
KGKRC089	16.00	17.00	7111	12390	1236	3540	245	42.0	68.3	4.7	12.3	1.2	1.7	0.2	0.8	0.1	25.8	2.47	38.2	1.9
KGKRC089	17.00	18.00	9557	16239	1591	4453	303	53.3	90.1	6.4	17.0	1.7	3.0	0.2	1.9	0.2	38.4	3.24	49.0	1.8
KGKRC089	18.00	19.00	6886	11851	1161	3276	219	36.2	60.0	4.4	11.1	1.2	1.6	0.2	0.5	-0.1	21.6	2.35	29.0	1.7
KGKRC089	19.00	20.00	4955	8968	903	2594	181	29.6	48.0	3.3	8.5	0.9	1.4	0.2	0.8	-0.1	17.3	1.77	23.5	2.7
KGKRC089	20.00	21.00	5511	10146	1043	3014	209	35.4	57.1	3.9	9.6	1.2	1.3	0.1	0.7	0.1	22.1	2.01	30.4	1.6
KGKRC089	21.00	22.00	5008	9048	904	2640	181	30.0	50.8	3.2	8.7	0.9	1.4	0.1	0.8	-0.1	19.9	1.79	27.8	4.2
KGKRC089	22.00	23.00	6020	10354	1024	2893	200	33.9	54.3	3.7	9.4	0.8	1.7	0.2	1.1	0.1	18.2	2.06	25.5	3.0
KGKRC089	23.00	24.00	7368	12468	1216	3404	229	38.1	62.3	4.1	10.1	1.2	1.5	0.2	0.8	-0.1	21.0	2.48	28.0	3.1
KGKRC089	24.00	25.00	8954	14952	1489	4175	303	55.2	95.3	6.9	19.9	2.2	3.9	0.3	2.2	0.2	51.7	3.01	46.0	3.5
KGKRC089	25.00	26.00	5466	9371	924	2637	205	39.7	70.5	6.1	21.8	3.0	5.7	0.6	3.6	0.5	66.3	1.88	36.7	3.3
KGKRC089	26.00	27.00	8299	14340	1389	4017	295	55.1	102.2	7.7	22.7	2.5	4.7	0.6	2.5	0.5	58.7	2.86	57.9	3.1
KGKRC089	27.00	28.00	13355	22673	2176	6294	447	76.8	129.8	8.9	23.2	2.0	2.9	0.3	1.7	0.2	45.0	4.52	70.7	2.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC089	28.00	29.00	5414	10342	1065	3102	212	33.7	54.7	4.0	10.6	1.2	1.7	0.2	0.7	0.1	22.6	2.03	24.1	1.7
KGKRC089	29.00	30.00	6317	12219	1262	3579	237	35.3	55.8	3.8	7.9	0.8	1.3	0.2	0.8	0.1	18.3	2.37	20.2	2.0
KGKRC089	30.00	31.00	5242	9830	983	2882	206	32.7	54.9	3.9	10.2	1.0	1.7	0.2	0.9	0.1	24.0	1.93	25.8	2.0
KGKRC089	31.00	32.00	7561	13958	1397	4002	273	45.4	74.2	5.1	14.0	1.3	2.3	0.2	1.0	0.2	31.2	2.74	34.0	1.3
KGKRC089	32.00	33.00	6574	12259	1249	3639	249	40.5	67.2	4.6	11.8	1.2	1.9	0.2	0.6	0.2	26.8	2.41	29.1	1.4
KGKRC089	33.00	34.00	9214	16652	1637	4657	321	51.5	87.6	6.6	17.6	1.7	2.7	0.3	1.4	0.2	36.6	3.27	42.7	1.0
KGKRC089	34.00	35.00	9483	15971	1522	4282	321	58.7	101.7	8.4	25.1	2.4	4.1	0.3	1.7	0.2	56.3	3.18	67.2	1.2
KGKRC089	35.00	36.00	9852	16635	1566	4338	316	55.4	97.5	7.4	20.4	2.0	3.5	0.5	1.8	0.2	48.4	3.29	53.6	1.2
KGKRC089	36.00	37.00	11291	19263	1827	5176	371	61.4	102.5	7.5	21.2	1.8	2.7	0.3	1.1	0.2	40.8	3.82	67.7	1.5
KGKRC089	37.00	38.00	11889	20146	1911	5497	373	64.4	115.6	8.7	22.6	2.1	3.5	0.3	1.1	0.2	50.4	4.01	60.6	1.5
KGKRC089	38.00	39.00	8866	14804	1412	3970	285	47.8	90.1	7.1	21.6	2.1	3.4	0.5	1.7	0.2	47.9	2.96	49.8	1.4
KGKRC089	39.00	40.00	6991	11780	1110	3117	222	39.1	68.6	5.2	16.1	1.6	3.3	0.3	1.8	0.2	41.7	2.34	34.1	1.8
KGKRC089	40.00	41.00	9828	16250	1543	4261	290	49.9	85.5	6.4	17.6	1.7	2.9	0.3	2.3	0.2	39.5	3.24	46.9	2.3
KGKRC089	41.00	42.00	13335	22553	2166	6008	420	72.1	122.1	8.4	23.0	2.0	3.0	0.3	1.4	0.2	43.3	4.48	67.3	1.5
KGKRC089	42.00	43.00	8153	14449	1417	3975	271	44.0	74.7	5.4	14.9	1.5	2.6	0.3	1.5	0.2	32.5	2.84	36.0	1.9
KGKRC089	43.00	44.00	5438	10229	1016	2944	200	31.2	50.9	3.7	8.7	1.0	2.1	0.2	0.8	0.1	24.3	2.00	21.4	2.1
KGKRC089	44.00	45.00	9132	15863	1520	4212	282	45.5	74.9	5.9	16.9	1.6	2.5	0.3	1.2	0.2	40.3	3.12	34.7	1.7
KGKRC089	45.00	46.00	6863	13191	1350	3952	264	40.3	62.8	4.5	9.8	0.9	1.0	0.2	0.8	0.2	18.8	2.58	24.3	1.4
KGKRC089	46.00	47.00	5739	11020	1127	3274	219	34.3	55.5	3.9	9.8	1.0	1.5	0.2	0.8	0.1	21.1	2.15	26.0	1.8
KGKRC089	47.00	48.00	2743	5320	536	1556	106	16.2	28.8	2.0	5.7	0.6	1.3	0.1	0.6	-0.1	14.4	1.03	9.8	0.4
KGKRC089	48.00	49.00	5404	10531	1090	3182	207	32.5	50.0	3.3	8.3	0.7	1.5	0.2	0.5	0.1	17.5	2.05	21.6	2.8
KGKRC089	49.00	50.00	6873	13797	1454	4311	298	47.0	73.6	4.8	11.0	1.0	1.5	0.2	0.8	0.1	24.3	2.69	40.9	1.0
KGKRC089	50.00	51.00	4691	9565	1016	2966	196	29.9	44.8	3.1	6.4	0.7	1.0	0.1	0.6	-0.1	14.0	1.85	18.2	0.9
KGKRC089	51.00	52.00	9019	16504	1648	4747	326	52.8	94.4	5.5	13.5	1.4	2.1	0.2	1.0	0.1	29.2	3.24	43.2	0.7
KGKRC089	52.00	53.00	6073	11831	1234	3543	233	35.2	56.4	3.8	8.5	0.8	1.4	0.2	0.7	0.1	18.3	2.30	23.9	1.3
KGKRC089	53.00	54.00	4034	7930	831	2427	154	22.1	38.6	2.6	6.7	0.6	1.3	0.1	0.6	0.1	14.6	1.55	14.8	6.8
KGKRC089	54.00	55.00	6329	12588	1308	3785	243	35.9	58.2	3.9	8.3	1.0	1.4	0.1	0.6	-0.1	18.4	2.44	27.6	3.0
KGKRC089	55.00	56.00	6009	11548	1194	3437	229	33.9	57.8	3.9	8.8	0.9	1.4	-0.1	0.6	0.1	21.0	2.25	24.9	1.3
KGKRC089	56.00	57.00	7979	15751	1658	4774	295	43.5	71.6	4.5	9.4	0.9	1.4	0.1	0.7	0.1	19.8	3.06	27.3	1.1
KGKRC089	57.00	58.00	6268	12816	1341	4004	253	38.8	60.4	3.7	8.4	0.8	1.1	0.1	0.6	0.2	16.9	2.48	20.6	0.4
KGKRC089	58.00	59.00	3718	7725	805	2441	151	23.0	35.2	2.4	5.7	0.6	1.3	0.2	0.5	0.1	13.8	1.49	13.2	0.5
KGKRC089	59.00	60.00	4172	8649	923	2734	175	25.5	39.7	2.6	6.1	0.6	0.8	-0.1	0.8	-0.1	12.7	1.67	15.8	2.7
KGKRC089	60.00	61.00	5972	11785	1222	3586	234	35.2	54.2	3.8	8.7	0.9	1.4	0.2	0.8	0.2	19.9	2.29	21.2	1.3
KGKRC089	61.00	62.00	6205	12490	1301	3712	234	35.6	53.9	3.7	8.8	0.9	1.1	0.2	0.6	-0.1	17.7	2.41	26.5	2.5
KGKRC089	62.00	63.00	4033	8294	864	2564	170	25.0	43.4	3.2	8.2	0.9	1.1	0.2	1.0	0.1	19.2	1.60	28.3	1.0
KGKRC089	63.00	64.00	3670	7491	772	2318	151	22.7	36.6	2.2	6.3	0.6	1.1	0.1	0.8	0.1	13.2	1.45	14.4	0.3
KGKRC089	64.00	65.00	3971	7884	828	2467	164	24.2	39.8	2.6	6.9	0.7	1.4	0.2	0.6	0.1	16.5	1.54	17.5	0.6
KGKRC089	65.00	66.00	5280	10639	1123	3323	218	32.9	52.7	3.4	8.0	0.8	1.4	0.1	1.0	0.1	18.2	2.07	19.9	2.1
KGKRC089	66.00	67.00	3824	7544	778	2322	156	25.6	40.2	2.7	7.7	0.7	1.6	0.2	0.8	0.2	19.7	1.47	21.2	1.8
KGKRC089	67.00	68.00	4265	8873	959	2821	189	26.4	43.1	2.7	7.4	0.7	1.1	0.1	0.5	-0.1	15.2	1.72	18.8	4.9
KGKRC089	68.00	69.00	4055	8446	898	2707	168	25.8	39.3	2.8	6.2	0.8	1.0	0.2	0.9	0.2	13.7	1.64	14.4	2.2
KGKRC089	69.00	70.00	5491	10597	1080	3162	212	34.0	53.4	3.7	9.0	0.9	1.8	0.2	0.7	-0.1	20.2	2.07	25.7	4.1
KGKRC089	70.00	71.00	7397	14223	1445	4186	300	48.4	80.7	5.8	13.8	1.3	2.2	0.2	1.3	0.2	30.5	2.77	42.2	0.9
KGKRC089	71.00	72.00	6219	12498	1302	3780	243	36.8	61.9	4.0	9.0	1.0	1.6	0.2	0.8	0.1	19.4	2.42	26.6	1.6
KGKRC089	72.00	73.00	3689	7454	758	2209	141	22.1	36.2	2.6	7.5	0.8	1.3	0.2	0.5	-0.1	16.6	1.43	20.5	5.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC089	73.00	74.00	4678	9699	994	2951	200	29.3	52.2	4.1	11.4	1.3	1.8	0.2	0.7	0.1	27.4	1.87	39.2	0.5
KGKRC089	74.00	75.00	4896	9594	975	2873	197	30.3	51.6	3.9	10.0	0.9	1.9	0.2	1.0	0.2	24.4	1.87	28.7	0.6
KGKRC089	75.00	76.00	4787	9593	989	2866	194	29.5	48.9	3.7	9.5	0.7	1.5	0.1	0.6	-0.1	20.1	1.85	26.4	0.6
KGKRC089	76.00	77.00	4419	8817	897	2545	167	26.3	42.6	3.2	8.5	0.8	1.3	0.2	0.8	0.1	21.7	1.70	19.6	0.5
KGKRC089	77.00	78.00	4500	9254	949	2733	167	25.9	43.4	3.1	8.0	0.8	1.7	0.2	1.0	0.1	21.6	1.77	19.7	2.6
KGKRC089	78.00	79.00	3837	7763	803	2384	155	23.3	37.3	2.9	7.6	0.7	1.4	0.1	0.6	0.1	16.4	1.50	17.9	1.2
KGKRC089	79.00	80.00	3682	7505	764	2270	146	22.0	34.9	2.6	6.8	0.7	1.3	0.1	0.5	-0.1	15.0	1.45	16.5	0.5
KGKRC089	80.00	81.00	4576	9312	948	2731	166	24.4	39.2	2.8	6.0	0.8	1.1	0.1	0.6	-0.1	15.0	1.78	17.4	1.1
KGKRC089	81.00	82.00	5557	10909	1085	3097	201	29.9	50.0	3.7	9.0	0.9	1.5	0.1	0.6	-0.1	19.7	2.10	23.7	1.7
KGKRC089	82.00	83.00	5297	10551	1065	3095	203	31.0	51.2	3.5	9.1	0.8	1.5	0.2	1.0	0.1	19.6	2.03	23.1	1.2
KGKRC089	83.00	84.00	7422	14409	1390	3866	250	36.5	63.9	5.2	13.3	1.3	2.2	0.2	0.8	0.1	28.8	2.75	48.4	0.7
KGKRC089	84.00	85.00	5112	9874	977	2833	183	27.6	47.3	3.4	7.9	0.8	1.4	0.2	0.9	0.2	18.8	1.91	21.2	0.7
KGKRC089	85.00	86.00	10733	17881	1637	4584	325	52.3	89.3	6.5	16.0	1.7	2.4	0.2	0.8	0.2	35.8	3.54	37.9	0.6
KGKRC089	86.00	87.00	10161	17466	1647	4516	307	49.9	88.3	6.2	17.1	1.5	2.1	0.3	1.2	0.1	34.3	3.43	41.3	0.7
KGKRC089	87.00	88.00	16360	27657	2618	7357	528	90.9	162.3	11.9	32.1	2.9	4.1	0.3	1.4	0.2	62.6	5.49	103.5	0.7
KGKRC089	88.00	89.00	16098	26633	2468	6905	492	83.3	152.7	10.8	29.5	2.5	4.5	0.3	1.8	0.3	58.2	5.29	91.7	0.9
KGKRC089	89.00	90.00	19339	32505	3017	8524	596	101.3	191.1	13.4	31.2	2.8	4.2	0.3	1.6	0.2	57.9	6.44	117.1	0.4
KGKRC089	90.00	91.00	27105	45219	4181	11762	814	132.4	240.1	16.4	36.5	2.9	4.4	0.3	1.2	0.2	59.3	8.96	155.1	0.6
KGKRC089	91.00	92.00	18895	32458	3002	8523	629	107.9	190.7	12.9	31.8	2.5	3.9	0.3	1.7	0.2	52.1	6.39	128.8	0.5
KGKRC089	92.00	93.00	13241	22291	2034	5802	409	66.4	119.7	8.6	21.2	1.8	2.7	0.2	1.3	0.1	40.1	4.40	73.6	0.5
KGKRC089	93.00	94.00	7538	12846	1158	3181	221	36.9	69.9	4.8	13.7	1.4	2.4	0.1	1.2	0.1	33.3	2.51	37.5	0.7
KGKRC089	94.00	95.00	5555	9396	878	2428	185	31.6	58.8	4.7	15.3	1.5	3.0	0.2	1.2	0.2	37.2	1.86	35.3	0.9
KGKRC089	95.00	96.00	8201	14090	1284	3546	252	43.1	76.7	6.0	16.3	1.8	2.9	0.3	1.9	0.2	40.6	2.76	42.0	0.7
KGKRC089	96.00	97.00	7845	13183	1232	3341	242	40.9	69.5	5.2	13.2	1.4	2.6	0.3	1.3	0.2	33.0	2.60	34.7	0.6
KGKRC089	97.00	98.00	4641	8091	736	2068	147	25.6	46.4	3.9	10.3	1.3	2.3	0.1	1.2	0.2	27.6	1.58	21.3	0.7
KGKRC089	98.00	99.00	5903	10063	955	2649	198	32.2	58.5	4.5	13.0	1.2	2.3	0.2	1.2	0.2	29.2	1.99	28.9	0.7
KGKRC089	99.00	100.00	7659	13348	1250	3416	243	43.2	72.3	5.8	16.8	1.7	3.3	0.3	2.3	0.3	39.5	2.61	36.2	1.0
KGKRC100	0.00	1.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC100	1.00	2.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC100	2.00	3.00	17749	35415	3686	11132	814	137.9	232.2	18.0	54.2	5.2	7.3	0.6	4.1	0.5	113.4	6.94	190.3	7.8
KGKRC100	3.00	4.00	17335	34955	3591	10906	811	140.5	236.4	17.4	51.0	4.6	7.1	0.6	2.1	0.3	106.4	6.82	183.8	7.6
KGKRC100	4.00	5.00	17532	34796	3597	10812	805	132.8	222.0	16.5	42.8	4.1	6.5	0.6	2.5	0.3	92.6	6.81	165.4	5.8
KGKRC100	5.00	6.00	19488	39130	4078	12324	940	159.3	267.9	20.4	53.6	5.2	7.2	0.6	3.6	0.5	112.1	7.66	211.9	4.9
KGKRC100	6.00	7.00	31808	63805	6782	20425	1526	259.0	433.3	30.9	82.8	7.6	10.3	0.8	3.8	0.5	157.5	12.53	333.8	6.0
KGKRC100	7.00	8.00	20381	41568	4316	12652	934	153.1	251.9	17.6	45.0	4.4	7.1	0.8	3.0	0.3	96.8	8.04	162.0	3.4
KGKRC100	8.00	9.00	12668	24497	2452	7001	484	75.6	122.6	9.3	23.2	2.2	3.1	0.3	1.1	0.1	46.1	4.74	72.0	1.5
KGKRC100	9.00	10.00	10025	20924	2196	6471	436	68.1	106.9	7.3	19.5	2.2	2.6	0.2	1.1	0.1	39.8	4.03	63.3	2.3
KGKRC100	10.00	11.00	12879	25060	2513	7322	503	82.3	134.0	10.4	25.6	2.8	3.0	0.3	1.0	0.2	52.2	4.86	83.1	2.4
KGKRC100	11.00	12.00	8935	17724	1806	5295	399	67.3	120.3	9.4	25.0	2.6	3.1	0.3	1.4	0.2	53.7	3.44	97.9	2.4
KGKRC100	12.00	13.00	11289	23591	2550	7557	600	102.5	172.6	12.1	31.9	2.9	4.2	0.3	1.4	0.1	61.5	4.60	155.1	2.8
KGKRC100	13.00	14.00	7588	15125	1570	4583	340	55.8	99.5	8.1	23.8	2.4	3.1	0.2	1.5	0.1	51.6	2.95	75.8	5.7
KGKRC100	14.00	15.00	7232	14577	1530	4551	339	56.3	94.3	6.8	19.3	1.8	2.7	0.2	1.0	0.1	41.5	2.85	62.9	5.7
KGKRC100	15.00	16.00	7593	15110	1566	4636	338	57.0	89.4	6.6	18.4	1.7	2.9	0.2	1.1	-0.1	37.2	2.95	51.7	3.5
KGKRC100	16.00	17.00	9094	17961	1831	5379	386	64.8	110.4	8.2	20.7	2.1	3.4	0.2	1.1	0.1	45.8	3.49	72.5	3.3
KGKRC100	17.00	18.00	7436	14768	1549	4451	320	50.6	82.6	6.1	14.1	1.5	2.1	0.1	1.3	0.1	32.4	2.87	43.4	5.8

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm	
KGKRC100	18.00	19.00	7209	13930	1406	4077	289	46.8	76.3	5.9	16.3	1.5	2.1	0.1	1.1	0.1	33.5	2.71	48.2	3.7	
KGKRC100	19.00	20.00	5627	11099	1156	3382	272	52.5	94.0	7.9	22.3	2.2	3.1	0.2	0.8	0.1	49.7	2.18	82.0	3.7	
KGKRC100	20.00	21.00	5305	10720	1142	3413	280	50.1	92.1	7.2	22.3	2.3	3.4	0.5	2.6	0.3	61.0	2.11	65.4	2.8	
KGKRC100	21.00	22.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC100	22.00	23.00	5471	10854	1135	3424	287	51.9	96.1	8.2	25.6	2.4	4.2	0.6	2.6	0.5	65.4	2.14	87.5	12.5	
KGKRC100	23.00	24.00	3487	6499	678	2007	173	34.4	65.4	6.1	22.5	3.3	6.8	0.8	4.3	0.6	82.5	1.31	34.8	8.8	
KGKRC100	24.00	25.00	6365	11740	1161	3279	220	34.4	59.7	3.9	10.6	1.4	1.9	0.2	1.6	0.1	28.2	2.29	31.2	7.3	
KGKRC100	25.00	26.00	7098	13946	1444	4309	312	50.0	81.2	5.7	13.7	1.3	2.4	0.2	1.3	0.1	31.5	2.73	43.3	6.3	
KGKRC100	26.00	27.00	5769	11794	1220	3580	257	43.2	70.9	5.2	15.2	1.6	2.4	0.3	1.3	0.2	33.7	2.28	44.2	8.5	
KGKRC100	27.00	28.00	5510	11417	1212	3609	279	44.4	77.4	5.3	14.6	1.5	1.9	0.2	1.1	0.2	31.0	2.22	46.4	7.4	
KGKRC100	28.00	29.00	7424	15522	1642	4897	368	60.1	98.3	7.1	18.5	1.8	3.0	0.2	1.5	0.2	42.8	3.01	60.0	7.2	
KGKRC100	29.00	30.00	5644	11744	1262	3822	295	48.1	80.9	5.4	14.6	1.5	2.3	0.2	1.0	0.2	31.0	2.30	44.4	8.7	
KGKRC100	30.00	31.00	7290	15003	1581	4788	353	55.6	90.8	6.4	16.4	1.5	2.7	0.2	1.1	0.1	32.8	2.92	48.4	6.2	
KGKRC100	31.00	32.00	5181	10789	1150	3480	258	39.1	65.1	4.5	12.6	1.0	1.7	0.1	0.6	0.1	24.0	2.10	31.2	6.5	
KGKRC100	32.00	33.00	4933	10398	1136	3471	264	40.9	68.4	4.9	13.1	1.3	1.9	0.3	1.1	0.2	26.7	2.04	37.6	6.3	
KGKRC100	33.00	34.00	7879	16506	1787	5317	379	57.8	93.5	6.7	19.6	2.0	3.0	0.2	1.7	0.2	40.8	3.21	55.3	3.6	
KGKRC100	34.00	35.00	6005	12638	1382	4187	323	51.1	86.9	6.2	16.5	1.7	2.1	0.2	1.1	0.2	36.3	2.47	50.8	6.6	
KGKRC100	35.00	36.00	8734	18046	1953	5790	429	69.7	118.5	8.2	22.8	2.2	3.7	0.5	1.4	0.2	54.0	3.52	78.6	9.2	
KGKRC100	36.00	37.00	6526	14807	1732	5656	505	83.1	137.8	8.9	23.1	2.4	3.4	0.3	1.7	0.2	53.1	2.95	102.6	11.9	
KGKRC100	37.00	38.00	4210	10825	1371	4856	486	84.4	133.4	8.5	20.1	2.1	3.5	0.3	2.3	0.3	53.7	2.21	113.4	5.0	
KGKRC100	38.00	39.00	5070	10614	1173	3683	322	55.7	100.1	6.4	16.6	1.5	2.3	0.2	0.9	0.2	33.9	2.11	72.3	7.7	
KGKRC100	39.00	40.00	4811	10309	1167	3723	313	52.5	90.4	6.1	16.3	1.6	1.9	0.2	0.8	0.2	35.8	2.05	64.4	8.4	
KGKRC100	40.00	41.00	4022	8991	1031	3326	276	46.4	74.3	5.3	14.0	1.5	2.1	0.2	1.5	0.1	30.1	1.78	41.8	6.1	
KGKRC100	41.00	42.00	4133	8852	977	3199	276	48.2	81.1	5.7	14.4	1.4	1.7	0.1	1.1	0.2	28.8	1.76	57.0	6.3	
KGKRC100	42.00	43.00	5183	10941	1217	3898	322	54.1	96.4	7.4	20.1	2.0	3.4	0.3	1.5	0.3	45.6	2.18	73.0	8.9	
KGKRC100	43.00	44.00	5911	12614	1384	4331	333	54.5	89.8	6.0	14.5	1.4	2.3	0.2	0.8	0.1	31.2	2.48	47.9	7.6	
KGKRC100	44.00	45.00	7764	16091	1732	5196	414	68.3	113.9	7.3	17.2	1.8	2.6	0.2	1.2	0.2	38.9	3.14	64.5	5.4	
KGKRC100	45.00	46.00	9737	18595	1960	5846	465	77.6	127.6	8.7	20.4	2.0	2.7	0.2	0.8	0.2	39.1	3.69	66.5	4.2	
KGKRC100	46.00	47.00	7688	15419	1632	5011	383	62.0	101.6	6.6	15.8	1.4	2.3	-0.1	0.5	0.1	31.2	3.04	54.0	2.7	
KGKRC100	47.00	48.00	8438	18364	2043	6555	524	86.5	142.6	9.4	23.0	2.1	2.9	0.2	1.4	0.2	44.5	3.62	90.7	4.1	
KGKRC100	48.00	49.00	2948	6652	748	2427	230	40.6	79.2	6.1	23.1	2.6	5.4	0.6	3.6	0.5	66.7	1.32	47.2	7.9	
KGKRC100	49.00	50.00	2061	4293	487	1623	171	36.2	78.9	7.8	32.4	4.9	11.3	1.3	6.5	0.9	128.0	0.89	47.8	8.7	
KGKRC100	50.00	51.00	2471	5484	640	2234	243	47.4	92.3	9.3	34.4	5.4	11.7	1.3	9.0	1.1	148.2	1.14	90.9	7.4	
KGKRC100	51.00	52.00	1872	4046	467	1596	185	40.1	87.0	10.2	44.7	7.9	19.1	2.4	14.1	1.9	231.5	0.86	76.9	11.8	
KGKRC100	52.00	53.00	2890	5819	636	2086	219	45.4	97.3	9.8	41.6	6.0	14.1	1.5	9.8	1.4	181.9	1.21	67.1	11.4	
KGKRC100	53.00	54.00	7927	17107	1922	6383	549	94.6	160.0	12.0	37.0	4.9	9.4	1.0	6.3	0.9	119.0	3.43	93.6	11.8	
KGKRC100	54.00	55.00	2094	4626	534	1839	207	45.0	108.1	16.0	82.3	14.7	37.2	4.6	25.2	3.4	454.0	1.01	116.5	14.7	
KGKRC100	55.00	56.00	1164	2747	329	1174	145	34.6	86.3	12.5	66.7	12.6	32.5	3.9	22.4	3.0	393.8	0.62	81.9	14.7	
KGKRC100	56.00	57.00	968	2237	271	965	133	31.2	74.2	9.1	39.5	6.1	14.6	1.6	10.9	1.3	177.5	0.49	50.8	16.1	
KGKRC100	57.00	58.00	722	1712	209	782	118	30.6	78.3	11.3	59.0	10.1	26.4	3.4	22.4	2.8	327.4	0.41	58.7	17.3	
KGKRC100	58.00	59.00	1436	3073	352	1216	150	32.5	71.6	7.3	31.0	4.9	10.8	1.4	7.5	1.1	135.1	0.65	53.8	9.1	
KGKRC100	59.00	60.00	3896	7987	881	2823	254	47.6	88.9	8.0	29.3	3.8	8.6	0.9	5.4	0.9	105.7	1.61	58.3	10.7	
KGKRC100	60.00	61.00	3192	6516	726	2379	238	47.7	95.6	8.0	26.5	4.4	9.5	1.1	6.5	1.0	116.8	1.34	63.2	11.5	
KGKRC100	61.00	62.00	3507	8430	994	3331	287	48.2	84.2	6.2	19.6	2.4	5.2	0.6	3.8	0.5	59.9	1.68	42.8	8.2	
KGKRC100	62.00	63.00	5587	14074	1704	5604	438	68.9	118.8	8.6	28.6	4.2	9.2	1.3	6.8	0.9	111.8	2.78	51.6	7.8	

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC100	63.00	64.00	4307	8803	953	3078	274	50.4	95.2	7.7	23.0	2.5	6.3	0.7	3.8	0.6	78.5	1.77	65.2	9.6
KGKRC100	64.00	65.00	5531	11760	1347	4354	390	62.8	117.6	9.1	24.0	2.9	5.4	0.6	3.5	0.6	66.5	2.37	78.1	6.5
KGKRC100	65.00	66.00	8099	15958	1655	4965	357	58.1	93.5	6.7	16.2	1.7	2.4	0.2	0.9	0.2	34.2	3.12	47.8	4.1
KGKRC100	66.00	67.00	6501	13867	1498	4688	352	57.1	95.3	6.8	17.5	2.0	3.2	0.5	2.4	0.3	46.0	2.71	52.5	6.0
KGKRC100	67.00	68.00	6453	13667	1497	4786	351	54.8	82.9	5.4	13.3	1.5	2.6	0.3	0.9	0.2	32.8	2.69	43.7	5.9
KGKRC100	68.00	69.00	8790	18529	2004	6385	452	71.8	108.6	6.9	14.8	1.5	2.3	0.2	1.1	0.1	29.0	3.64	46.8	3.0
KGKRC100	69.00	70.00	5011	10781	1182	3817	287	46.8	78.2	5.4	14.5	1.3	2.3	0.2	1.0	0.1	28.6	2.13	49.1	3.9
KGKRC100	70.00	71.00	6160	12710	1380	4406	350	55.7	89.2	6.4	14.1	1.5	2.2	0.2	1.3	-0.1	31.9	2.52	59.6	3.1
KGKRC100	71.00	72.00	5829	12446	1388	4449	326	48.9	77.6	4.9	12.3	1.2	2.2	0.2	1.0	0.1	26.5	2.46	34.2	3.1
KGKRC100	72.00	73.00	6293	13941	1568	4943	360	57.1	92.1	6.0	14.4	1.4	1.6	0.2	1.4	0.1	29.7	2.73	44.0	1.3
KGKRC100	73.00	74.00	6216	13384	1481	4699	336	52.8	83.9	5.5	13.0	1.3	2.2	0.2	1.2	0.2	25.5	2.63	39.9	0.8
KGKRC100	74.00	75.00	5804	13108	1492	4854	361	56.3	86.0	5.8	12.9	1.2	1.9	0.1	1.0	0.1	27.9	2.58	43.2	0.8
KGKRC100	75.00	76.00	5462	11914	1321	4184	315	49.2	80.7	5.7	12.7	1.5	2.4	0.2	0.9	0.1	27.8	2.34	45.7	0.9
KGKRC100	76.00	77.00	6322	14368	1621	5241	399	61.4	98.9	6.9	15.5	1.6	2.3	0.2	1.0	0.1	36.8	2.82	48.0	2.6
KGKRC100	77.00	78.00	5674	12433	1414	4522	339	52.2	88.9	6.0	16.3	1.4	2.3	0.2	1.0	0.1	32.3	2.46	47.8	1.6
KGKRC100	78.00	79.00	4750	10128	1106	3485	265	40.8	67.1	4.4	10.4	1.3	1.8	0.2	0.5	0.1	24.5	1.99	32.8	4.7
KGKRC100	79.00	80.00	4207	8900	958	3036	223	34.6	59.0	4.4	10.4	1.2	1.7	0.2	1.0	0.1	24.4	1.75	34.0	5.9
KGKRC100	80.00	81.00	4950	10562	1152	3622	282	46.4	77.1	6.1	15.4	1.5	2.1	0.3	1.6	0.1	34.5	2.08	54.6	5.7
KGKRC100	81.00	82.00	4679	9871	1078	3362	260	40.8	67.3	5.4	15.6	1.7	2.4	0.2	0.9	0.2	38.1	1.94	47.8	3.6
KGKRC100	82.00	83.00	10383	18232	1791	5345	388	64.8	110.4	8.7	22.3	2.4	3.3	0.3	2.4	0.2	51.7	3.64	72.6	3.8
KGKRC100	83.00	84.00	5119	11139	1242	3851	294	48.1	74.3	5.8	14.1	1.5	2.2	0.2	1.1	0.1	31.1	2.18	50.3	3.2
KGKRC100	84.00	85.00	4312	8952	989	3168	273	48.6	87.4	7.3	21.2	2.0	2.9	0.3	1.3	0.2	42.8	1.79	80.9	4.1
KGKRC100	85.00	86.00	10234	20063	2111	6365	453	73.2	121.4	8.1	19.2	1.8	2.5	0.3	1.2	0.1	45.8	3.95	77.0	5.2
KGKRC100	86.00	87.00	10105	21204	2308	7316	531	80.6	134.4	8.8	20.2	2.2	3.0	0.2	1.2	0.1	45.2	4.18	74.3	4.4
KGKRC100	87.00	88.00	4310	9455	1038	3311	255	42.3	70.3	4.9	13.5	1.4	2.5	0.2	1.0	0.1	29.2	1.85	51.2	3.8
KGKRC100	88.00	89.00	3853	8475	921	2949	219	34.4	56.6	4.1	10.9	1.2	1.8	0.2	0.6	-0.1	24.5	1.66	28.3	4.1
KGKRC100	89.00	90.00	5799	12652	1401	4355	315	50.7	83.6	5.7	13.4	1.4	2.1	0.2	0.8	0.1	31.4	2.47	48.8	4.4
KGKRC100	90.00	91.00	7505	15451	1628	4919	331	54.4	89.5	7.1	18.6	1.8	2.6	0.3	1.6	0.2	42.2	3.01	68.5	2.1
KGKRC100	91.00	92.00	7215	13727	1384	4081	301	50.7	87.9	7.2	20.5	2.0	2.6	0.3	1.2	0.1	45.2	2.69	76.9	2.6
KGKRC100	92.00	93.00	6690	13152	1358	4061	273	43.0	71.4	5.7	14.8	1.4	2.2	0.2	0.9	0.1	34.4	2.57	50.0	2.3
KGKRC100	93.00	94.00	7050	13610	1383	4072	278	44.1	77.2	6.0	16.9	1.7	2.6	0.2	0.6	0.1	39.4	2.66	57.3	3.8
KGKRC100	94.00	95.00	13522	23891	2356	6903	497	82.9	148.1	11.9	31.2	3.2	4.7	0.3	1.7	0.2	69.0	4.75	107.4	5.6
KGKRC100	95.00	96.00	6626	12525	1287	3991	320	56.0	98.2	7.7	20.3	2.0	3.1	0.3	1.2	0.1	43.8	2.50	81.9	4.0
KGKRC100	96.00	97.00	7886	16261	1793	5950	558	102.2	185.3	14.8	42.2	4.5	6.9	0.7	4.1	0.6	107.6	3.29	165.7	5.7
KGKRC100	97.00	98.00	7785	14536	1481	4462	339	60.3	116.8	9.3	26.3	2.9	4.0	0.5	1.6	0.2	60.8	2.89	101.0	3.7
KGKRC100	98.00	99.00	8695	15419	1514	4358	301	52.1	88.7	7.8	22.4	2.4	3.8	0.5	2.1	0.2	55.5	3.05	70.7	3.9
KGKRC100	99.00	100.00	12452	21323	2029	5841	438	79.8	143.2	11.6	30.1	3.2	4.7	0.2	1.1	0.2	67.3	4.24	128.0	3.4
KGKRC100	100.00	101.00	34913	55856	5178	14453	939	160.1	273.1	20.6	50.0	5.5	6.9	0.6	2.5	0.2	112.9	11.20	181.3	2.9
KGKRC100	101.00	102.00	14444	23798	2238	6214	416	70.9	123.8	10.2	25.3	2.9	4.1	0.3	1.4	0.1	60.1	4.74	94.6	2.5
KGKRC100	102.00	103.00	14477	25140	2371	6882	476	82.1	141.1	10.6	27.5	3.0	4.4	0.3	0.9	0.2	62.5	4.97	101.1	3.4
KGKRC100	103.00	104.00	5333	10081	996	2971	209	34.0	59.2	4.6	12.7	1.3	2.5	0.2	1.0	0.1	31.4	1.97	43.7	3.0
KGKRC100	104.00	105.00	5790	10923	1118	3360	242	41.3	68.4	5.4	13.7	1.5	2.2	0.3	1.0	0.1	33.1	2.16	46.0	4.6
KGKRC100	105.00	106.00	5424	9800	1063	3227	228	38.4	65.4	5.4	13.8	1.6	2.9	0.2	1.3	0.2	35.9	1.99	47.4	7.5
KGKRC100	106.00	107.00	4176	7321	835	2493	181	32.0	54.4	4.5	13.5	1.7	3.0	0.3	1.3	0.2	41.7	1.52	35.0	6.3
KGKRC100	107.00	108.00	4845	9703	1046	3205	241	39.1	65.5	5.1	15.4	1.8	3.0	0.2	2.1	0.2	42.8	1.92	48.6	9.6



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC100	108.00	109.00	3510	7275	781	2526	199	36.9	78.5	7.9	22.8	2.5	4.0	0.5	2.4	0.5	54.2	1.45	106.2	11.3
KGKRC100	109.00	110.00	3564	8240	983	3407	346	65.7	128.8	12.2	37.2	4.1	8.9	1.0	6.4	0.9	111.2	1.69	143.2	10.1
KGKRC100	110.00	111.00	3780	8538	992	3367	324	59.4	108.4	8.8	24.3	2.8	4.6	0.6	2.8	0.3	64.1	1.73	99.4	9.7
KGKRC100	111.00	112.00	4326	9682	1119	3755	347	61.7	109.1	8.5	22.0	2.3	3.5	0.5	1.8	0.3	53.8	1.95	87.2	10.4
KGKRC100	112.00	113.00	5734	13641	1631	5679	553	97.6	170.6	11.6	30.3	3.3	5.0	0.6	3.2	0.3	68.5	2.76	112.3	12.3
KGKRC100	113.00	114.00	5308	12824	1555	5424	557	96.3	162.7	11.5	33.9	4.0	7.0	0.7	3.4	0.6	95.8	2.61	115.6	13.6
KGKRC100	114.00	115.00	1935	4423	507	1739	182	31.7	62.9	5.4	19.3	2.5	5.2	0.6	3.1	0.6	63.6	0.90	63.3	11.7
KGKRC100	115.00	116.00	2344	4911	553	1783	175	33.9	69.9	6.8	27.2	4.2	8.6	0.9	5.7	0.8	105.9	1.00	41.6	9.7
KGKRC100	116.00	117.00	2368	4899	522	1652	156	29.8	65.4	7.2	28.5	4.0	9.5	0.9	5.8	0.8	107.2	0.99	47.2	12.1
KGKRC100	117.00	118.00	2263	4509	485	1576	162	31.0	65.7	6.7	28.2	3.8	8.7	1.0	6.5	0.7	109.2	0.93	48.5	13.7
KGKRC100	118.00	119.00	2023	4050	432	1381	144	29.2	68.3	6.8	28.1	4.4	9.0	1.1	5.4	0.8	110.9	0.83	44.6	11.1
KGKRC100	119.00	120.00	1800	3597	382	1220	113	21.0	45.9	4.5	18.8	2.6	5.7	0.8	3.5	0.6	70.7	0.73	37.6	5.8
KGKRC100	120.00	121.00	3091	6717	727	2313	182	28.7	49.9	3.9	11.8	1.6	3.7	0.5	2.5	0.3	42.5	1.32	39.0	15.1
KGKRC100	121.00	122.00	3964	8033	858	2664	212	33.8	57.5	4.2	12.5	1.6	3.4	0.3	3.0	0.3	42.0	1.59	36.9	13.4
KGKRC100	122.00	123.00	7576	13719	1332	3891	306	54.3	98.2	7.3	20.4	2.4	3.8	0.3	2.0	0.2	53.3	2.71	79.6	12.3
KGKRC100	123.00	124.00	1920	3777	406	1324	149	31.4	72.9	9.1	38.5	6.0	12.7	1.4	7.2	1.1	172.1	0.79	102.3	27.5
KGKRC100	124.00	125.00	1681	3345	357	1183	137	33.9	89.0	12.4	60.5	9.7	21.4	2.4	14.3	2.1	277.6	0.72	86.1	30.0
KGKRC100	125.00	126.00	885	1969	229	812	109	26.1	64.7	7.1	33.4	4.9	10.0	1.1	8.4	1.0	122.8	0.43	41.5	35.6
KGKRC100	126.00	127.00	2416	4609	474	1454	143	28.6	61.2	6.1	25.6	4.0	8.7	1.1	5.8	0.9	109.5	0.93	44.2	24.1
KGKRC100	127.00	128.00	3360	6665	699	2178	192	37.1	74.6	6.5	28.6	4.2	9.0	1.1	5.3	0.8	99.6	1.34	46.2	25.8
KGKRC100	128.00	129.00	5265	9968	999	2921	220	38.3	71.5	6.1	22.6	2.8	4.6	0.6	3.1	0.5	67.7	1.96	55.3	14.2
KGKRC100	129.00	130.00	2113	4364	469	1497	136	26.1	61.3	6.8	28.4	4.2	9.2	0.9	5.7	0.8	116.3	0.88	49.7	23.5
KGKRC100	130.00	131.00	3960	7979	828	2528	177	28.5	51.8	3.7	12.2	1.2	1.8	0.2	0.7	0.2	29.8	1.56	40.0	18.4
KGKRC100	131.00	132.00	4982	9632	966	2876	198	30.3	54.0	4.0	13.1	1.5	2.3	0.5	1.8	0.2	30.1	1.88	39.8	13.9
KGKRC100	132.00	133.00	4707	9346	985	2963	201	30.8	52.6	3.7	10.6	1.2	1.9	0.2	1.3	0.2	27.6	1.83	29.2	11.2
KGKRC100	133.00	134.00	5338	9335	885	2413	159	25.6	47.9	5.1	15.3	1.7	3.4	0.3	1.5	0.2	45.8	1.83	39.3	6.7
KGKRC100	134.00	135.00	3573	6940	712	2097	149	23.7	42.6	3.9	13.5	1.5	2.6	0.3	1.2	0.2	38.6	1.36	37.6	9.5
KGKRC100	135.00	136.00	2928	5642	561	1655	116	18.8	37.3	3.8	15.7	1.6	2.9	0.3	1.2	0.2	39.5	1.10	32.7	12.3
KGKRC100	136.00	137.00	3408	6352	619	1780	125	21.3	37.1	3.3	12.2	1.5	2.3	0.2	1.0	0.1	35.7	1.24	31.9	12.3
KGKRC100	137.00	138.00	6930	12634	1236	3665	271	47.8	92.4	7.4	23.8	2.5	3.8	0.3	1.4	0.2	56.4	2.50	70.3	9.0
KGKRC100	138.00	139.00	11180	18163	1631	4462	312	54.7	108.7	9.9	32.3	3.7	5.7	0.5	2.3	0.5	86.0	3.61	84.4	6.7
KGKRC100	139.00	140.00	7285	12541	1191	3320	235	41.6	77.6	7.2	23.4	2.6	4.2	0.6	2.8	0.3	66.3	2.48	66.5	6.6
KGKRC100	140.00	141.00	8364	15027	1473	4238	293	46.9	85.7	7.3	19.7	2.1	2.6	0.3	0.9	0.1	45.5	2.96	73.6	5.1
KGKRC100	141.00	142.00	4509	9050	956	2890	210	33.7	60.5	5.1	14.2	1.5	2.2	0.2	0.8	0.1	34.8	1.78	50.9	6.5
KGKRC100	142.00	143.00	12225	23382	2326	6791	456	73.3	129.6	9.4	24.0	2.6	3.3	0.5	1.9	0.2	53.6	4.55	88.2	5.7
KGKRC100	143.00	144.00	6907	12390	1179	3291	219	35.9	66.7	5.5	17.3	1.8	2.9	0.2	1.5	0.1	43.4	2.42	51.1	7.2
KGKRC100	144.00	145.00	8087	13951	1316	3692	257	43.2	80.6	7.3	22.0	2.4	2.9	0.3	1.5	0.2	51.3	2.75	72.5	4.6
KGKRC100	145.00	146.00	5991	11390	1141	3348	232	38.4	70.2	5.7	17.8	1.6	2.9	0.2	1.0	0.2	39.0	2.23	59.3	10.9
KGKRC100	146.00	147.00	9743	17956	1715	4973	342	55.2	102.9	8.1	23.9	2.2	3.5	0.2	1.1	0.1	57.5	3.50	83.4	10.8
KGKRC100	147.00	148.00	13151	24940	2510	7539	563	91.6	169.2	12.1	33.2	3.1	4.9	0.5	2.0	0.3	71.9	4.91	157.2	7.9
KGKRC100	148.00	149.00	5044	9930	1045	3141	237	40.9	79.7	6.8	21.9	2.1	3.1	0.3	1.6	0.3	54.2	1.96	69.6	7.8
KGKRC100	149.00	150.00	9658	17524	1713	4772	323	54.1	98.7	8.4	23.1	2.4	3.3	0.3	2.0	0.3	62.0	3.42	82.5	7.9
KGKRC102	0.00	1.00	7708	14816	1555	4610	336	51.6	84.8	5.8	15.4	1.6	2.9	0.2	1.3	0.2	33.0	2.92	39.2	1.8
KGKRC102	1.00	2.00	7198	13054	1325	3877	273	44.4	72.7	5.2	14.9	1.6	2.9	0.2	1.1	0.2	33.3	2.59	36.7	1.3
KGKRC102	2.00	3.00	4439	8811	929	2846	217	35.1	60.6	3.7	10.6	1.0	1.8	0.1	0.6	-0.1	23.1	1.74	25.4	0.5

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC102	3.00	4.00	5313	10036	1026	3020	232	39.3	65.5	4.5	11.5	1.3	2.2	0.2	1.5	0.1	27.1	1.98	36.6	0.9
KGKRC102	4.00	5.00	2907	5940	645	1997	158	27.4	42.0	2.7	8.7	0.8	1.7	0.1	1.1	0.1	18.8	1.18	21.6	0.4
KGKRC102	5.00	6.00	4319	8895	982	3110	237	36.6	59.5	3.8	10.0	1.2	2.3	0.2	1.5	-0.1	24.1	1.77	24.3	1.6
KGKRC102	6.00	7.00	5161	10302	1146	3564	275	45.0	74.7	5.3	14.6	2.1	3.9	0.5	2.4	0.3	42.3	2.06	31.5	1.8
KGKRC102	7.00	8.00	3939	8207	902	2828	221	33.2	55.0	3.4	7.8	0.7	1.4	0.2	0.6	0.1	16.9	1.62	20.6	0.5
KGKRC102	8.00	9.00	2840	5948	637	1993	155	24.3	40.1	2.2	6.5	0.7	1.1	0.2	0.3	-0.1	14.2	1.17	17.0	0.3
KGKRC102	9.00	10.00	7392	14337	1480	4471	341	54.7	85.0	5.5	13.2	1.3	1.8	0.2	1.2	-0.1	23.6	2.82	40.8	0.5
KGKRC102	10.00	11.00	7660	14703	1508	4500	338	54.0	86.9	5.5	13.5	1.3	2.2	0.2	0.5	0.1	24.0	2.89	37.8	0.5
KGKRC102	11.00	12.00	7456	14426	1530	4548	339	53.0	89.7	5.5	13.2	1.4	2.2	0.2	1.6	0.1	26.4	2.85	40.0	0.3
KGKRC102	12.00	13.00	9944	20340	2212	6779	496	75.3	120.6	6.8	16.1	1.5	2.2	0.1	1.0	-0.1	27.3	4.00	52.1	0.5
KGKRC102	13.00	14.00	4634	9722	1067	3263	243	36.6	57.2	3.1	8.4	0.8	1.4	0.2	1.0	0.1	16.1	1.91	24.6	0.3
KGKRC102	14.00	15.00	3325	6903	734	2264	173	26.5	43.2	2.7	6.4	0.7	0.9	0.1	0.7	-0.1	15.5	1.35	16.9	0.5
KGKRC102	15.00	16.00	2777	5896	653	2055	163	26.6	42.8	2.5	6.5	0.8	1.4	0.2	0.7	-0.1	16.0	1.16	19.0	0.3
KGKRC102	16.00	17.00	4695	9706	1072	3418	258	41.3	65.9	3.8	10.4	1.2	1.7	0.2	0.4	0.2	23.5	1.93	28.8	0.3
KGKRC102	17.00	18.00	1546	3142	352	1132	107	20.2	45.9	4.1	17.7	2.5	5.7	0.7	3.4	0.5	66.8	0.64	18.5	5.3
KGKRC102	18.00	19.00	3604	7216	767	2306	190	34.7	68.6	6.2	22.6	3.1	6.8	1.0	4.2	0.6	80.4	1.43	30.0	6.6
KGKRC102	19.00	20.00	4651	9435	990	2935	205	32.8	56.0	4.0	10.3	1.2	2.2	0.2	1.6	0.2	26.7	1.84	25.3	1.4
KGKRC102	20.00	21.00	2838	5838	631	1947	146	24.7	43.8	3.3	10.1	1.2	3.0	0.3	1.6	0.2	30.6	1.15	16.9	2.3
KGKRC102	21.00	22.00	743	1587	185	632	72	15.5	37.3	4.0	16.0	2.6	6.1	0.7	3.3	0.3	64.3	0.34	13.6	3.5
KGKRC102	22.00	23.00	2041	4339	484	1504	119	19.0	31.1	1.9	4.9	0.6	1.6	-0.1	0.6	0.1	13.0	0.86	11.1	0.6
KGKRC102	23.00	24.00	2758	5842	637	2020	158	24.0	42.0	2.5	6.4	0.7	1.4	0.2	1.0	0.1	16.8	1.15	14.8	0.1
KGKRC102	24.00	25.00	6372	12553	1344	4019	300	47.0	76.9	4.5	10.6	1.2	1.8	0.2	0.8	0.2	23.2	2.48	30.2	0.2
KGKRC102	25.00	26.00	6245	12026	1241	3685	268	43.2	67.5	4.1	10.9	1.0	1.5	0.2	1.0	0.1	20.5	2.36	28.9	0.1
KGKRC102	26.00	27.00	4883	10052	1079	3295	263	40.6	66.6	4.0	9.0	0.8	1.4	0.1	0.7	-0.1	18.2	1.97	29.4	0.2
KGKRC102	27.00	28.00	5547	11597	1251	3862	313	49.4	78.2	4.8	10.7	1.2	1.7	0.1	0.9	0.1	20.8	2.27	34.2	0.1
KGKRC102	28.00	29.00	1617	3426	377	1214	101	15.9	28.2	1.5	5.2	0.5	0.9	-0.1	0.5	-0.1	11.1	0.68	11.5	0.2
KGKRC102	29.00	30.00	2054	4254	462	1457	120	19.8	34.8	2.2	4.9	0.6	1.1	-0.1	0.6	0.1	14.0	0.84	14.9	0.2
KGKRC102	30.00	31.00	1884	4139	462	1464	121	19.1	33.0	1.9	6.0	0.9	1.6	0.2	1.4	0.1	17.9	0.82	12.8	0.2
KGKRC102	31.00	32.00	1909	4150	460	1465	122	19.9	32.6	2.0	5.7	0.8	1.4	0.2	0.9	0.2	17.4	0.82	12.8	-0.1
KGKRC102	32.00	33.00	1882	4028	458	1462	125	19.9	34.8	2.2	6.5	0.7	1.6	0.2	1.2	0.2	17.5	0.80	13.8	0.1
KGKRC102	33.00	34.00	2484	5245	580	1858	154	25.6	44.1	2.7	6.3	0.6	1.1	0.2	0.6	0.1	16.3	1.04	16.7	0.2
KGKRC102	34.00	35.00	6203	11282	1161	3435	246	41.6	70.1	4.4	11.4	1.0	1.7	0.1	1.2	-0.1	21.2	2.25	30.1	0.2
KGKRC102	35.00	36.00	7589	14347	1497	4472	340	54.9	96.7	5.9	14.8	1.5	1.9	0.2	1.0	0.1	29.7	2.85	44.2	0.2
KGKRC102	36.00	37.00	4487	8829	906	2738	206	33.1	53.8	3.5	8.7	0.9	1.4	0.1	0.4	-0.1	17.8	1.73	23.0	0.2
KGKRC102	37.00	38.00	6026	11467	1176	3483	264	42.2	76.0	4.7	11.5	1.2	1.8	0.2	1.1	0.1	25.0	2.26	33.6	0.4
KGKRC102	38.00	39.00	7819	14984	1568	4724	393	66.1	115.0	7.2	17.2	1.7	2.5	0.2	1.1	0.2	37.7	2.97	60.2	0.3
KGKRC102	39.00	40.00	5526	10634	1107	3411	277	45.9	77.7	4.9	12.3	1.3	1.9	0.2	1.1	0.2	25.8	2.11	33.5	0.2
KGKRC102	40.00	41.00	5868	11528	1217	3683	297	48.5	82.5	5.2	13.0	1.2	2.5	0.2	0.9	-0.1	27.2	2.28	37.3	0.5
KGKRC102	41.00	42.00	23354	40982	4055	11939	899	151.1	267.3	17.2	41.4	4.6	7.6	0.7	3.4	0.6	89.3	8.18	136.2	0.9
KGKRC102	42.00	43.00	33188	55517	5401	15359	1119	197.8	332.6	21.5	49.8	4.8	6.8	0.6	3.0	0.3	91.1	11.13	179.6	0.6
KGKRC102	43.00	44.00	9361	16506	1659	4906	369	59.3	105.7	6.8	16.6	1.7	3.0	0.1	1.6	0.1	35.8	3.30	48.5	0.3
KGKRC102	44.00	45.00	9770	19566	2041	6099	430	65.7	107.5	6.6	16.1	1.5	2.3	0.2	1.1	0.1	32.3	3.81	48.1	0.2
KGKRC102	45.00	46.00	8148	15990	1685	5160	389	60.9	98.5	5.9	13.2	1.3	1.8	-0.1	1.3	-0.1	24.9	3.16	42.4	0.2
KGKRC102	46.00	47.00	4869	9467	976	2991	245	39.7	68.0	4.4	10.9	1.0	1.6	0.1	0.9	0.1	22.6	1.87	28.9	0.2
KGKRC102	47.00	48.00	4263	8127	845	2563	210	34.0	58.7	3.7	9.5	0.9	2.1	0.2	0.8	0.1	21.5	1.61	24.9	0.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC102	48.00	49.00	3290	6227	652	1998	161	26.3	48.0	3.3	9.0	1.0	2.1	0.2	1.2	0.2	23.1	1.24	21.4	0.1
KGKRC102	49.00	50.00	6661	13064	1367	4148	305	46.4	78.4	4.7	12.2	1.0	1.8	0.1	0.7	-0.1	23.9	2.57	30.9	0.2
KGKRC102	50.00	51.00	6293	12271	1315	4031	302	47.4	78.6	4.8	12.7	1.3	1.5	0.2	1.4	0.1	29.8	2.44	37.9	0.2
KGKRC102	51.00	52.00	5187	10162	1079	3278	249	39.4	64.6	4.0	10.8	1.3	1.7	0.2	0.8	0.1	23.1	2.01	26.4	0.1
KGKRC102	52.00	53.00	6007	11657	1233	3697	286	45.4	76.3	4.9	12.4	1.3	2.4	0.3	1.2	0.1	28.3	2.31	32.7	0.2
KGKRC102	53.00	54.00	7783	15090	1572	4606	344	53.3	89.6	5.7	14.1	1.8	2.7	0.2	1.3	0.1	35.3	2.96	44.0	-0.1
KGKRC102	54.00	55.00	10435	20233	2160	6580	458	69.5	111.5	7.4	18.1	1.5	2.6	0.3	0.5	0.1	35.1	4.01	58.0	0.2
KGKRC102	55.00	56.00	5827	11148	1149	3409	258	40.1	70.4	4.8	12.1	1.4	1.8	0.2	0.6	0.1	28.2	2.20	34.0	0.3
KGKRC102	56.00	57.00	9302	16116	1547	4349	305	50.0	90.2	6.1	15.2	1.6	2.7	0.2	1.2	-0.1	33.1	3.18	43.0	0.4
KGKRC102	57.00	58.00	13521	23658	2350	6811	505	83.7	142.4	9.1	21.9	2.3	3.3	0.5	2.1	0.2	44.3	4.72	70.2	0.7
KGKRC102	58.00	59.00	7828	15767	1698	5057	359	53.8	90.0	5.4	12.3	1.7	2.6	0.2	1.4	0.2	33.1	3.09	39.5	0.4
KGKRC102	59.00	60.00	6163	11995	1286	3838	287	42.6	75.1	4.4	11.3	1.2	2.2	0.2	0.8	-0.1	25.4	2.37	31.0	0.3
KGKRC102	60.00	61.00	9659	17563	1808	5367	407	68.0	110.0	6.7	16.1	1.6	2.6	0.2	1.2	0.1	32.0	3.50	55.0	0.4
KGKRC102	61.00	62.00	10045	17846	1757	5075	377	64.2	115.3	7.5	18.7	1.6	3.2	0.3	1.5	0.2	36.7	3.53	57.7	0.4
KGKRC102	62.00	63.00	5239	10028	1045	3166	255	41.5	69.5	4.4	11.6	1.2	1.7	0.1	1.3	0.2	24.3	1.99	40.4	0.2
KGKRC102	63.00	64.00	4287	8241	873	2677	203	32.3	53.2	3.4	7.5	0.9	1.4	0.1	0.3	-0.1	17.7	1.64	20.4	0.2
KGKRC102	64.00	65.00	5633	10815	1131	3433	247	40.0	65.3	4.2	11.1	1.0	1.6	0.2	0.5	-0.1	21.1	2.14	28.4	0.2
KGKRC102	65.00	66.00	7868	14925	1555	4669	361	56.6	94.6	6.2	15.0	1.4	2.6	0.2	1.1	0.2	30.2	2.96	46.4	0.4
KGKRC102	66.00	67.00	11038	20570	2127	6248	465	73.1	122.8	7.5	16.9	1.7	2.2	0.3	1.3	-0.1	32.6	4.07	57.7	0.5
KGKRC102	67.00	68.00	10783	20495	2126	6445	474	75.6	122.6	7.5	17.8	2.0	3.0	0.2	1.3	0.2	37.0	4.06	59.2	0.5
KGKRC102	68.00	69.00	6380	12425	1300	3865	285	45.2	70.9	4.7	11.6	1.3	2.1	0.2	1.0	-0.1	25.3	2.44	28.9	0.5
KGKRC102	69.00	70.00	10849	19308	1942	5383	360	55.2	94.2	6.4	13.4	1.4	2.1	0.2	0.7	0.1	29.2	3.80	45.9	0.3
KGKRC102	70.00	71.00	15976	30114	3104	9093	601	92.8	146.6	9.5	22.4	2.2	3.2	0.3	1.3	0.2	41.5	5.92	70.3	0.4
KGKRC102	71.00	72.00	7121	13294	1352	3995	279	43.5	72.6	4.6	11.5	1.2	1.8	0.1	1.0	-0.1	24.4	2.62	29.0	0.2
KGKRC102	72.00	73.00	11063	19743	1974	5592	368	54.7	92.1	6.1	14.5	1.6	2.7	0.2	1.6	0.1	32.9	3.89	41.9	0.3
KGKRC102	73.00	74.00	8236	14953	1514	4419	302	47.0	75.4	5.1	12.9	1.3	1.9	0.1	1.4	0.1	27.9	2.96	35.9	0.2
KGKRC102	74.00	75.00	4638	8804	913	2764	207	33.0	56.1	3.8	9.5	1.0	1.7	0.1	0.9	-0.1	26.3	1.75	24.9	0.2
KGKRC102	75.00	76.00	6389	11205	1059	2990	200	30.5	51.5	3.7	9.6	0.9	1.8	0.2	0.7	0.1	22.7	2.20	24.6	0.2
KGKRC102	76.00	77.00	6103	11202	1142	3338	238	37.3	64.5	4.1	10.9	1.0	2.2	0.1	1.2	-0.1	23.9	2.22	26.3	0.2
KGKRC102	77.00	78.00	6242	12045	1247	3648	260	41.5	68.9	4.5	13.1	1.3	1.9	0.1	0.7	-0.1	25.3	2.36	27.7	0.2
KGKRC102	78.00	79.00	3554	6997	733	2159	150	24.4	41.4	2.8	7.2	0.8	1.5	-0.1	0.8	-0.1	18.3	1.37	16.5	0.2
KGKRC102	79.00	80.00	3227	6499	697	2112	156	24.1	40.9	2.7	8.2	0.9	1.6	0.1	0.8	0.1	18.9	1.28	15.6	0.1
KGKRC102	80.00	81.00	2778	5655	610	1880	138	20.5	37.8	2.4	6.7	0.9	1.4	0.2	0.9	-0.1	18.2	1.12	12.8	-0.1
KGKRC102	81.00	82.00	2044	4008	423	1289	98	15.9	26.8	2.1	5.9	0.8	1.7	0.2	0.8	0.1	18.2	0.79	11.1	0.1
KGKRC102	82.00	83.00	2609	5150	551	1679	126	20.0	35.1	2.4	6.7	0.7	1.4	0.2	1.2	-0.1	19.1	1.02	14.4	0.5
KGKRC102	83.00	84.00	2326	4640	498	1496	111	17.6	30.2	2.1	5.5	0.6	0.9	0.1	0.7	-0.1	15.5	0.91	11.8	0.1
KGKRC102	84.00	85.00	3385	6647	697	2113	163	26.3	41.9	3.1	8.0	0.9	1.6	0.2	1.3	0.2	19.7	1.31	17.7	0.2
KGKRC102	85.00	86.00	1071	2168	234	744	63	11.0	18.9	1.4	5.2	0.7	1.7	0.1	1.2	0.1	18.0	0.43	8.7	-0.1
KGKRC102	86.00	87.00	3760	7384	753	2202	162	27.2	43.5	2.7	6.8	0.9	1.4	0.2	0.6	-0.1	17.8	1.44	21.1	0.2
KGKRC102	87.00	88.00	8782	16218	1639	4768	354	57.0	90.2	5.7	15.0	1.3	1.9	0.2	1.2	-0.1	24.6	3.20	46.1	0.1
KGKRC102	88.00	89.00	4343	7600	732	2090	142	21.8	37.0	2.4	5.3	0.8	1.4	0.1	0.5	0.1	15.4	1.50	16.8	0.1
KGKRC102	89.00	90.00	3189	6492	701	2119	153	21.7	35.8	2.4	5.9	0.5	1.3	0.1	0.5	-0.1	13.1	1.27	13.4	-0.1
KGKRC102	90.00	91.00	4627	7826	731	2014	133	21.3	35.9	2.6	8.2	0.9	1.7	0.1	0.6	-0.1	22.5	1.54	15.4	0.2
KGKRC102	91.00	92.00	1537	2781	277	820	60	11.4	19.1	1.5	4.8	0.7	1.4	0.2	1.0	0.1	17.1	0.55	7.9	0.1
KGKRC102	92.00	93.00	3600	6631	658	1904	126	20.3	32.1	2.2	5.5	0.8	1.1	0.1	0.9	-0.1	14.9	1.30	13.0	0.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC102	93.00	94.00	8467	14515	1402	3881	246	39.5	63.2	4.2	9.9	1.2	1.9	0.1	1.2	0.1	24.1	2.87	32.4	0.2
KGKRC102	94.00	95.00	4522	8045	789	2210	145	23.2	39.4	2.8	7.5	0.8	1.6	0.1	0.8	-0.1	18.9	1.58	17.9	0.2
KGKRC102	95.00	96.00	3852	6544	633	1711	113	18.9	31.9	2.5	7.6	1.0	1.6	0.2	1.4	0.1	22.4	1.29	13.7	0.2
KGKRC102	96.00	97.00	3318	6265	625	1793	125	19.9	33.0	2.4	6.2	0.8	1.3	0.2	0.8	0.1	16.8	1.22	14.4	0.2
KGKRC102	97.00	98.00	15331	25335	2385	6399	395	60.6	98.5	6.5	13.9	1.5	2.3	0.1	0.8	0.1	30.5	5.01	43.7	0.3
KGKRC102	98.00	99.00	10974	20306	2051	5962	415	63.2	96.9	6.4	13.1	1.2	2.2	0.1	0.8	0.1	28.3	3.99	40.8	0.4
KGKRC102	99.00	100.00	18216	28636	2561	6872	441	69.4	115.1	7.9	18.3	2.0	2.6	0.3	1.0	-0.1	40.6	5.70	59.5	0.5
KGKRC102	100.00	101.00	12263	22111	2246	6384	405	59.8	95.5	6.1	14.8	1.5	1.8	0.2	0.7	0.1	30.4	4.36	41.1	0.3
KGKRC102	101.00	102.00	7164	12174	1180	3242	202	32.4	51.9	3.5	8.5	0.9	1.6	0.1	1.0	0.1	22.4	2.41	22.8	0.2
KGKRC102	102.00	103.00	4248	7560	734	2066	137	21.4	36.2	2.5	7.0	0.8	1.0	-0.1	0.6	-0.1	16.0	1.48	17.7	0.3
KGKRC102	103.00	104.00	3931	6697	636	1759	114	19.0	33.9	2.5	7.6	0.8	1.5	0.1	1.0	-0.1	18.3	1.32	17.4	0.2
KGKRC102	104.00	105.00	4356	7672	734	1999	127	18.9	32.7	2.4	5.3	0.7	1.1	-0.1	0.6	-0.1	13.8	1.50	12.4	0.2
KGKRC102	105.00	106.00	13975	21248	1876	4832	311	48.4	84.9	5.9	14.8	1.8	2.5	0.2	0.8	-0.1	30.6	4.24	43.3	0.3
KGKRC102	106.00	107.00	8567	14575	1353	3692	245	39.1	66.0	4.7	11.6	1.3	1.7	0.1	0.9	0.1	26.8	2.86	34.6	0.5
KGKRC102	107.00	108.00	4020	7369	711	2017	140	22.5	38.1	2.6	7.9	0.7	1.1	-0.1	0.5	-0.1	17.4	1.43	16.3	0.3
KGKRC102	108.00	109.00	3352	6255	609	1723	118	18.3	30.3	2.1	6.5	0.7	1.0	0.1	0.7	-0.1	14.7	1.21	12.9	0.2
KGKRC102	109.00	110.00	3352	6349	622	1752	116	18.8	30.6	2.2	6.9	0.7	1.3	-0.1	0.2	-0.1	14.2	1.23	12.4	0.2
KGKRC102	110.00	111.00	3389	6487	644	1840	123	18.1	31.4	2.1	4.6	0.6	0.8	0.1	0.2	-0.1	13.5	1.26	13.1	0.2
KGKRC102	111.00	112.00	2572	5291	555	1623	116	17.0	30.2	2.0	6.1	0.8	1.1	0.2	0.9	-0.1	16.9	1.02	10.4	0.9
KGKRC102	112.00	113.00	2775	5645	575	1660	112	16.3	28.8	1.9	4.6	0.6	1.0	0.1	0.3	-0.1	12.3	1.08	10.9	0.3
KGKRC102	113.00	114.00	2472	5069	528	1499	103	14.7	26.1	1.9	5.2	0.5	1.1	-0.1	0.7	-0.1	12.7	0.97	10.1	0.2
KGKRC102	114.00	115.00	2524	4863	496	1416	100	15.4	30.0	2.2	6.8	0.9	1.6	0.1	0.6	0.1	20.8	0.95	10.7	1.7
KGKRC102	115.00	116.00	3244	5771	545	1516	106	17.1	31.2	2.6	7.1	0.8	1.6	0.2	0.6	0.2	22.5	1.13	13.6	4.9
KGKRC102	116.00	117.00	10325	16529	1464	3883	246	35.6	63.3	4.4	10.7	1.4	1.8	0.1	0.7	-0.1	24.8	3.26	32.9	0.7
KGKRC102	117.00	118.00	8473	15172	1446	4003	257	38.2	64.4	4.2	9.8	0.9	1.1	0.1	0.6	-0.1	19.1	2.95	28.9	0.6
KGKRC102	118.00	119.00	4642	9019	908	2584	169	26.8	42.7	2.9	7.1	0.9	1.3	0.1	0.8	-0.1	17.8	1.74	19.2	0.8
KGKRC102	119.00	120.00	4755	9215	937	2709	184	27.0	48.0	3.1	9.8	1.0	1.8	0.1	1.0	0.2	22.2	1.79	19.1	0.9
KGKRC103	0.00	1.00	6467	13503	1507	4786	459	80.8	164.0	13.3	49.5	6.1	13.6	1.4	8.2	1.1	169.3	2.72	125.9	16.5
KGKRC103	1.00	2.00	6835	14127	1572	4886	480	90.3	183.4	16.4	59.8	8.3	17.5	2.2	11.3	1.6	209.9	2.85	127.6	19.0
KGKRC103	2.00	3.00	3291	7202	821	2691	265	47.8	95.4	7.7	26.2	3.7	6.9	0.9	4.7	0.6	86.9	1.46	66.8	11.1
KGKRC103	3.00	4.00	3441	7543	825	2606	249	45.0	90.0	7.2	24.0	3.1	5.0	0.6	3.3	0.3	67.1	1.49	73.6	8.0
KGKRC103	4.00	5.00	3677	7824	831	2629	250	47.0	97.5	8.8	31.1	4.5	8.9	0.9	4.4	0.8	111.5	1.55	75.0	10.3
KGKRC103	5.00	6.00	1736	3745	428	1432	174	35.9	82.8	8.2	32.8	4.9	10.6	0.9	7.1	0.8	126.5	0.78	59.6	10.4
KGKRC103	6.00	7.00	2071	4619	538	1800	198	38.7	84.6	8.0	29.4	4.5	9.7	1.0	6.2	0.9	117.9	0.95	45.2	8.9
KGKRC103	7.00	8.00	2345	5107	561	1782	179	36.1	88.9	9.8	36.5	4.8	8.7	1.0	6.2	0.8	132.8	1.03	114.0	9.5
KGKRC103	8.00	9.00	7322	12863	1216	3375	228	35.4	60.0	4.9	14.8	1.7	3.4	0.3	1.7	0.2	42.5	2.52	46.4	5.6
KGKRC103	9.00	10.00	9441	16053	1510	4079	267	43.2	71.3	5.8	16.1	1.5	2.6	0.2	1.0	0.1	37.5	3.15	49.6	4.1
KGKRC103	10.00	11.00	6693	12406	1207	3438	244	40.0	69.1	5.7	16.3	1.8	2.2	0.2	0.9	0.1	37.0	2.42	53.3	5.3
KGKRC103	11.00	12.00	7925	14429	1387	3890	258	39.0	63.6	5.1	13.9	1.6	2.5	0.2	0.5	0.1	33.7	2.80	34.1	3.6
KGKRC103	12.00	13.00	9806	17516	1692	4703	310	49.2	86.0	6.9	19.4	2.0	3.1	0.2	0.7	0.2	45.5	3.42	61.0	4.5
KGKRC103	13.00	14.00	9340	17013	1619	4451	293	44.7	78.1	6.4	20.2	2.1	3.0	0.3	1.5	0.1	46.5	3.29	60.1	3.7
KGKRC103	14.00	15.00	8091	14352	1343	3621	231	34.3	61.7	5.7	19.1	2.2	3.0	0.3	1.7	0.2	47.8	2.78	45.6	4.9
KGKRC103	15.00	16.00	5951	12708	1416	4544	436	73.9	130.0	8.9	24.2	2.2	3.1	0.2	1.6	0.2	50.9	2.54	113.6	4.9
KGKRC103	16.00	17.00	5325	9774	948	2661	189	29.5	56.0	5.2	16.4	1.7	2.6	0.2	0.9	-0.1	37.8	1.90	47.0	2.9
KGKRC103	17.00	18.00	10338	17430	1609	4245	270	44.0	76.2	6.9	21.6	2.1	3.1	0.2	1.1	0.1	48.0	3.41	54.1	2.8

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC103	18.00	19.00	10855	17898	1655	4501	294	45.2	83.9	6.8	20.0	2.4	2.7	0.2	0.9	0.1	47.4	3.54	60.2	2.6
KGKRC103	19.00	20.00	8217	14386	1356	3727	251	39.3	70.2	5.8	17.5	1.8	2.3	0.1	1.0	0.1	41.8	2.81	51.1	3.7
KGKRC103	20.00	21.00	7602	13911	1348	3708	254	38.4	67.5	5.1	14.1	1.7	2.3	0.2	0.7	0.2	34.0	2.70	42.0	6.8
KGKRC103	21.00	22.00	7504	14120	1391	3892	267	41.0	73.6	5.5	16.1	1.7	2.3	0.2	0.9	0.1	37.2	2.74	47.4	4.8
KGKRC103	22.00	23.00	8917	15591	1474	4056	279	44.7	75.9	6.5	21.6	2.0	3.0	0.2	1.1	0.1	48.9	3.05	61.6	3.4
KGKRC103	23.00	24.00	8899	15940	1534	4168	281	43.4	75.8	5.8	17.8	1.8	3.2	0.2	0.5	0.2	40.8	3.10	47.8	2.5
KGKRC103	24.00	25.00	11146	18947	1784	4743	323	52.1	91.1	7.1	20.2	2.0	3.2	0.3	0.8	0.2	48.8	3.72	60.3	5.6
KGKRC103	25.00	26.00	7746	13247	1266	3471	244	38.7	67.5	5.5	15.7	2.0	2.6	0.2	1.2	0.1	40.1	2.61	43.9	6.9
KGKRC103	26.00	27.00	7072	12787	1270	3629	270	43.3	78.6	7.1	22.2	2.0	3.2	0.5	1.8	0.2	47.5	2.52	64.3	6.2
KGKRC103	27.00	28.00	7101	13238	1298	3759	267	42.4	76.4	6.6	18.9	2.1	2.6	0.3	1.3	0.1	45.0	2.59	62.6	3.2
KGKRC103	28.00	29.00	7490	13228	1294	3566	246	38.9	66.8	5.1	16.1	1.7	2.7	0.2	1.7	0.1	39.5	2.60	48.2	3.4
KGKRC103	29.00	30.00	14296	23003	2066	5546	364	56.6	96.5	7.4	20.8	2.3	3.1	0.2	1.4	0.1	48.8	4.55	58.3	2.8
KGKRC103	30.00	31.00	9768	17338	1666	4704	326	50.8	87.9	7.5	21.7	2.1	2.9	0.2	0.9	0.1	45.7	3.40	69.7	3.0
KGKRC103	31.00	32.00	8869	15860	1520	4269	269	42.5	71.4	5.7	15.0	1.5	2.3	0.2	0.8	-0.1	33.0	3.10	48.8	3.6
KGKRC103	32.00	33.00	7220	13485	1354	3998	293	48.3	89.1	6.6	19.4	1.8	2.4	0.2	0.6	0.1	37.5	2.66	62.4	3.2
KGKRC103	33.00	34.00	7056	13630	1413	4299	343	58.0	102.3	6.9	18.5	1.7	2.3	0.1	0.9	-0.1	37.1	2.70	82.5	2.7
KGKRC103	34.00	35.00	11298	19944	1930	5569	401	62.1	110.5	8.2	21.8	2.2	3.2	0.3	1.2	0.2	48.3	3.94	76.7	2.7
KGKRC103	35.00	36.00	9794	18020	1776	5211	373	60.2	99.7	7.9	22.0	2.3	3.3	0.2	1.3	0.1	46.4	3.54	74.1	2.4
KGKRC103	36.00	37.00	9756	17599	1700	5017	355	54.1	102.1	7.5	20.4	2.1	2.7	0.2	0.8	0.1	46.0	3.47	66.8	3.9
KGKRC103	37.00	38.00	9109	16133	1586	4643	318	50.8	86.7	6.4	18.7	1.7	3.0	0.2	0.8	0.1	42.0	3.20	59.0	4.6
KGKRC103	38.00	39.00	11523	20050	1922	5403	375	59.1	104.5	7.4	18.7	1.8	2.9	0.2	1.0	0.1	44.1	3.95	65.6	3.0
KGKRC103	39.00	40.00	10483	19558	1959	5782	421	67.3	109.1	7.4	19.2	1.8	2.6	0.1	0.7	-0.1	37.7	3.84	61.0	3.9
KGKRC103	40.00	41.00	8789	17109	1799	5430	422	65.9	113.3	8.1	20.0	2.1	2.9	0.2	1.5	0.2	41.8	3.38	70.1	4.2
KGKRC103	41.00	42.00	7814	14272	1437	4304	316	50.4	83.9	6.2	16.4	1.8	1.9	0.2	1.1	0.1	36.2	2.83	56.7	5.2
KGKRC103	42.00	43.00	11126	19607	1897	5435	369	59.5	104.9	8.2	25.3	2.9	5.2	0.5	3.0	0.2	78.7	3.87	65.7	7.0
KGKRC103	43.00	44.00	10254	18601	1792	5046	344	52.6	92.6	7.5	22.2	2.5	3.5	0.3	1.7	0.2	55.1	3.63	63.7	5.7
KGKRC103	44.00	45.00	4756	9031	890	2707	218	37.1	75.5	6.7	25.4	4.5	10.0	1.1	6.7	0.9	113.3	1.79	48.2	13.9
KGKRC103	45.00	46.00	5629	10130	987	2913	205	37.2	67.1	5.9	21.8	3.7	9.0	1.0	5.9	0.7	101.7	2.01	36.5	13.1
KGKRC103	46.00	47.00	11051	20705	2000	5841	369	56.0	88.8	5.8	15.2	1.6	2.5	0.2	1.1	0.2	34.8	4.02	47.8	2.5
KGKRC103	47.00	48.00	4618	8659	832	2456	189	33.8	67.7	5.9	21.8	3.0	6.3	0.8	3.8	0.6	78.7	1.70	38.6	12.0
KGKRC103	48.00	49.00	5785	10044	953	2812	204	34.5	68.5	5.9	20.9	2.5	5.4	0.6	3.6	0.3	63.4	2.00	35.2	13.0
KGKRC103	49.00	50.00	11768	21819	2145	6226	415	62.6	108.4	7.7	17.6	2.0	2.7	0.3	1.0	0.1	40.3	4.26	65.6	3.8
KGKRC103	50.00	51.00	10317	18536	1822	5220	348	54.0	92.1	6.2	18.5	1.8	2.3	0.2	0.7	0.1	34.7	3.65	58.2	3.1
KGKRC103	51.00	52.00	9518	17369	1696	5026	347	55.9	91.5	7.1	19.1	1.8	2.7	0.3	1.1	0.1	40.8	3.42	69.4	5.4
KGKRC103	52.00	53.00	11349	21413	2121	6203	389	58.8	94.6	7.1	17.1	2.0	3.0	0.2	1.4	0.1	40.6	4.17	50.8	4.9
KGKRC103	53.00	54.00	8500	16375	1654	4868	342	51.5	85.7	6.4	15.6	1.7	2.7	0.1	1.4	-0.1	36.7	3.19	57.8	2.8
KGKRC103	54.00	55.00	8232	15102	1512	4429	291	44.9	77.4	5.4	14.5	1.4	2.2	0.2	1.4	0.1	32.8	2.97	45.9	4.9
KGKRC103	55.00	56.00	9918	17080	1623	4668	297	48.3	82.6	6.5	19.5	2.1	3.0	0.2	1.1	0.1	43.4	3.38	65.2	4.5
KGKRC103	56.00	57.00	10844	19406	1877	5308	348	54.9	88.7	6.6	17.0	1.8	2.5	0.3	1.5	0.1	40.4	3.80	57.0	3.8
KGKRC103	57.00	58.00	7497	13907	1386	4094	269	40.6	68.4	4.8	12.3	1.3	1.8	-0.1	0.9	-0.1	27.2	2.73	39.7	3.3
KGKRC103	58.00	59.00	8859	16418	1630	4769	319	49.9	83.0	6.2	15.6	1.6	2.4	0.2	1.2	0.1	35.9	3.22	52.5	2.5
KGKRC103	59.00	60.00	11032	18696	1756	4963	334	52.5	86.3	6.7	17.8	2.0	3.2	0.2	1.8	0.2	45.6	3.70	51.2	5.6
KGKRC103	60.00	61.00	3455	8524	1001	3554	380	69.1	126.2	9.8	33.3	3.3	6.6	0.8	3.2	0.5	89.2	1.73	100.1	9.4
KGKRC103	61.00	62.00	2874	7163	868	3104	319	56.7	106.5	8.2	28.4	3.3	6.8	0.7	3.8	0.6	92.8	1.46	85.1	6.4
KGKRC103	62.00	63.00	1206	2772	324	1168	153	34.7	88.2	10.8	42.6	5.5	12.4	1.6	6.4	0.9	149.1	0.60	87.4	20.8

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC103	63.00	64.00	959	2150	251	901	114	27.9	68.8	7.7	33.5	5.2	11.2	1.5	7.0	0.9	128.4	0.47	50.4	19.4
KGKRC103	64.00	65.00	989	2118	241	854	109	25.6	64.2	6.9	29.2	4.9	10.6	1.1	6.0	0.8	116.2	0.46	39.3	22.4
KGKRC103	65.00	66.00	2395	4585	461	1456	144	31.2	72.0	8.6	37.3	4.8	11.1	1.1	6.5	0.8	135.1	0.93	89.4	17.4
KGKRC103	66.00	67.00	3472	6193	593	1773	152	29.5	63.8	6.7	26.9	3.4	7.7	0.8	4.8	0.6	94.7	1.24	36.7	15.1
KGKRC103	67.00	68.00	9941	17407	1681	4780	318	49.4	85.9	6.4	16.1	1.3	2.6	0.2	1.4	0.1	36.6	3.43	54.9	7.0
KGKRC103	68.00	69.00	6426	12497	1287	3903	276	42.3	72.2	4.6	11.7	1.3	2.1	0.2	0.6	-0.1	26.3	2.45	35.9	7.3
KGKRC103	69.00	70.00	6794	13264	1340	4005	293	45.6	77.1	5.3	14.4	1.6	2.5	0.2	1.1	0.1	33.7	2.59	53.1	3.9
KGKRC103	70.00	71.00	7629	14188	1423	4258	308	47.9	76.7	6.0	17.7	1.6	2.5	0.3	0.9	0.1	38.5	2.80	49.7	3.1
KGKRC103	71.00	72.00	5883	11154	1110	3283	229	37.1	64.2	5.2	15.2	1.7	2.4	0.2	1.5	0.1	37.0	2.18	46.9	2.0
KGKRC103	72.00	73.00	5581	10379	1016	3012	229	38.2	71.1	5.8	18.0	2.3	3.8	0.3	1.7	0.2	49.4	2.04	47.7	4.2
KGKRC103	73.00	74.00	9066	17007	1687	5059	373	63.6	111.6	9.2	25.4	2.9	4.7	0.5	2.9	0.3	64.9	3.35	87.6	2.0
KGKRC103	74.00	75.00	9345	18102	1825	5499	445	73.8	130.1	9.8	28.0	3.0	4.7	0.5	2.4	0.2	62.0	3.55	87.0	2.4
KGKRC103	75.00	76.00	11308	21629	2192	6574	546	96.8	180.2	13.5	35.6	3.3	5.2	0.5	1.9	0.1	74.8	4.27	140.2	1.7
KGKRC103	76.00	77.00	15706	28419	2748	8235	631	107.7	200.0	15.3	42.0	4.2	5.7	0.5	1.5	0.2	84.5	5.62	158.3	1.7
KGKRC103	77.00	78.00	12869	23742	2396	7332	597	103.5	194.7	14.5	42.6	4.6	6.0	0.5	1.9	0.3	97.8	4.74	159.3	2.6
KGKRC103	78.00	79.00	9565	17863	1787	5311	378	59.8	105.3	7.4	21.9	2.3	3.2	0.3	1.5	0.2	48.5	3.52	66.7	3.0
KGKRC103	79.00	80.00	9081	16983	1679	4965	338	53.3	88.9	6.2	17.8	1.7	2.2	0.2	1.5	0.1	37.6	3.33	44.6	3.1
KGKRC103	80.00	81.00	7833	14746	1500	4464	332	52.7	91.1	7.3	17.3	1.7	2.4	0.2	0.8	0.1	40.4	2.91	65.7	5.3
KGKRC103	81.00	82.00	9865	18500	1851	5549	413	63.7	106.4	7.3	19.3	1.8	2.5	0.2	0.6	0.1	39.9	3.64	64.8	3.9
KGKRC103	82.00	83.00	10539	18698	1844	5398	380	57.4	94.3	6.8	17.9	1.6	2.3	0.1	0.8	0.1	34.7	3.71	52.1	2.7
KGKRC103	83.00	84.00	8197	15669	1577	4705	324	49.8	82.8	6.2	15.6	1.6	1.9	0.2	0.7	-0.1	30.7	3.07	47.8	2.4
KGKRC103	84.00	85.00	9849	18863	1935	5834	427	67.6	113.2	8.4	22.3	2.0	2.5	0.2	0.9	-0.1	39.4	3.72	76.9	3.3
KGKRC103	85.00	86.00	8485	16018	1600	4853	351	54.8	96.6	7.3	20.7	2.0	2.7	0.2	1.0	0.2	40.6	3.15	85.2	5.7
KGKRC103	86.00	87.00	7124	14125	1449	4416	337	54.7	101.1	8.7	26.3	2.5	3.2	0.2	1.5	0.2	55.1	2.77	109.8	4.7
KGKRC103	87.00	88.00	10919	20300	1955	5671	368	57.6	96.1	7.1	19.3	1.8	3.3	0.3	1.1	0.1	42.4	3.94	63.1	2.1
KGKRC103	88.00	89.00	9297	17636	1770	5291	360	53.7	87.9	5.9	15.4	1.4	2.3	0.2	0.8	-0.1	32.1	3.46	44.2	4.5
KGKRC103	89.00	90.00	8832	17994	1839	5650	403	61.1	100.6	6.9	17.8	1.5	2.2	0.2	1.5	0.1	37.3	3.49	56.0	5.6
KGKRC103	90.00	91.00	11762	21931	2189	6607	483	77.8	140.7	10.8	26.7	2.8	2.9	0.2	2.2	0.1	54.9	4.33	117.7	3.3
KGKRC103	91.00	92.00	10706	20295	1996	5830	406	64.0	107.5	7.4	18.0	1.8	2.6	0.2	1.2	0.1	38.0	3.95	76.9	4.2
KGKRC103	92.00	93.00	10428	19311	1866	5448	370	54.9	91.2	5.9	14.6	1.3	1.9	0.2	1.1	-0.1	29.0	3.76	38.3	4.1
KGKRC103	93.00	94.00	7120	13425	1346	4011	282	43.0	68.6	4.5	12.5	1.4	1.6	0.2	1.1	0.1	29.5	2.63	33.7	7.6
KGKRC103	94.00	95.00	6143	12025	1255	3819	286	43.3	71.2	5.1	14.0	1.4	2.2	0.3	1.1	0.1	31.2	2.37	44.0	5.2
KGKRC103	95.00	96.00	7706	15009	1564	4656	327	51.1	82.3	5.4	14.1	1.6	2.3	0.3	1.0	0.2	33.3	2.95	41.3	6.0
KGKRC103	96.00	97.00	5462	12735	1542	5246	535	94.6	170.0	11.4	31.6	3.2	5.5	0.6	3.4	0.5	81.4	2.59	146.5	3.0
KGKRC103	97.00	98.00	756	1792	225	838	106	20.8	48.0	4.1	17.3	2.6	4.6	0.7	4.5	0.7	74.0	0.39	28.5	1.3
KGKRC103	98.00	99.00	4160	9882	1200	4066	390	65.4	118.8	7.1	18.1	1.7	2.4	0.3	2.1	0.2	41.1	2.00	98.0	2.5
KGKRC103	99.00	100.00	9345	17069	1761	5140	373	57.7	100.5	6.8	17.3	1.7	3.0	0.3	1.2	0.2	43.1	3.39	56.2	4.0
KGKRC103	100.00	101.00	7077	12983	1308	3837	288	46.3	84.0	6.1	17.6	1.7	3.2	0.5	1.4	0.3	44.3	2.57	62.2	4.2
KGKRC103	101.00	102.00	6472	12531	1291	3848	287	44.1	75.7	5.2	14.5	1.7	1.9	0.2	1.3	0.1	33.7	2.46	53.3	4.6
KGKRC103	102.00	103.00	9218	16470	1635	4706	327	49.7	87.0	5.4	13.5	1.4	2.2	0.2	0.8	0.1	30.4	3.25	44.4	5.7
KGKRC103	103.00	104.00	7634	14156	1476	4272	300	48.2	81.9	6.1	17.5	1.8	3.5	0.3	2.0	0.3	50.8	2.81	45.4	7.6
KGKRC103	104.00	105.00	10146	18842	1901	5450	373	56.7	96.0	6.6	16.8	1.7	2.6	0.3	1.4	0.2	40.3	3.69	50.2	5.8
KGKRC103	105.00	106.00	5396	10355	1070	3179	232	34.6	61.8	3.9	10.2	1.0	1.8	0.2	0.6	-0.1	23.8	2.04	33.4	10.4
KGKRC103	106.00	107.00	5359	10144	1055	3155	239	38.3	73.4	5.7	14.8	1.5	2.1	0.1	0.9	0.1	34.0	2.01	55.6	6.3
KGKRC103	107.00	108.00	6241	11886	1247	3632	264	43.8	80.1	6.6	18.5	2.0	2.5	0.2	1.1	0.1	44.8	2.35	73.9	4.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC103	108.00	109.00	6159	11770	1206	3473	235	36.2	62.1	4.4	12.1	1.2	2.2	0.2	1.0	-0.1	30.9	2.30	31.3	4.8
KGKRC103	109.00	110.00	3387	6628	715	2126	159	26.6	45.3	3.1	8.5	0.9	1.8	0.2	0.8	0.2	26.0	1.31	31.8	11.3
KGKRC103	110.00	111.00	3176	6143	637	1882	135	22.7	37.0	2.5	7.5	0.8	1.5	0.2	0.5	-0.1	17.9	1.21	26.5	9.6
KGKRC103	111.00	112.00	5885	10995	1108	3277	225	33.7	58.0	4.2	10.8	1.0	1.7	0.1	0.8	-0.1	25.0	2.16	28.3	6.9
KGKRC103	112.00	113.00	4786	9374	984	3012	238	38.1	67.2	4.7	13.1	1.5	2.4	0.2	1.1	0.1	34.8	1.86	42.3	7.8
KGKRC103	113.00	114.00	11753	19672	1882	5239	373	62.4	110.7	8.1	22.6	2.3	3.5	0.3	1.4	0.1	50.3	3.92	76.0	5.3
KGKRC103	114.00	115.00	7067	12761	1263	3598	244	39.3	69.3	4.9	14.9	1.7	3.2	0.3	1.8	0.2	39.6	2.51	41.7	6.9
KGKRC103	115.00	116.00	7292	12740	1250	3496	241	38.9	67.9	4.7	14.0	1.6	2.4	0.3	1.5	-0.1	40.5	2.52	41.7	4.9
KGKRC103	116.00	117.00	10635	18281	1786	4972	355	57.3	104.5	7.1	19.1	1.8	2.4	0.2	1.0	0.1	39.4	3.63	73.3	4.0
KGKRC103	117.00	118.00	17974	30740	2981	8295	573	93.3	171.2	12.1	30.5	2.9	4.0	0.3	1.5	0.1	62.4	6.09	117.6	4.9
KGKRC103	118.00	119.00	9920	17594	1761	4985	368	61.8	115.2	8.6	25.3	2.5	4.0	0.3	1.2	0.2	57.5	3.49	85.2	4.1
KGKRC103	119.00	120.00	7360	13861	1427	4198	319	51.8	89.9	6.8	18.6	1.7	2.9	0.1	1.6	0.2	41.8	2.74	59.5	4.3
KGKRC103	120.00	121.00	4749	8723	869	2510	172	29.2	47.4	3.9	11.4	1.4	2.4	0.3	0.7	0.2	35.3	1.72	26.4	4.4
KGKRC103	121.00	122.00	9114	15544	1497	4227	301	48.3	91.3	7.2	21.5	2.0	3.2	0.3	1.8	0.2	48.6	3.09	66.9	2.7
KGKRC103	122.00	123.00	9865	18082	1871	5364	360	54.9	94.5	6.8	18.0	1.7	2.9	0.2	0.7	0.1	37.5	3.58	46.5	3.8
KGKRC103	123.00	124.00	7040	12873	1306	3776	256	41.5	68.0	4.6	11.4	1.3	1.9	0.2	0.9	0.1	26.8	2.54	38.5	7.8
KGKRC103	124.00	125.00	7166	13058	1323	3737	244	38.2	63.0	4.8	12.2	1.4	2.2	0.2	0.8	-0.1	30.6	2.57	34.4	5.6
KGKRC103	125.00	126.00	4976	9161	922	2609	188	29.5	56.6	4.6	15.6	1.6	2.7	0.3	1.4	0.2	40.9	1.80	43.9	4.4
KGKRC103	126.00	127.00	5835	10502	1044	3019	208	33.0	59.5	4.4	12.3	1.4	2.5	0.3	1.6	0.2	33.9	2.08	39.6	3.5
KGKRC103	127.00	128.00	6291	11666	1203	3524	246	39.8	66.8	5.3	13.3	1.6	2.6	0.2	1.2	0.2	34.7	2.31	45.3	8.1
KGKRC103	128.00	129.00	8484	15841	1639	4639	310	46.9	79.3	5.5	14.8	1.6	2.7	0.3	1.4	0.2	38.6	3.11	36.7	2.9
KGKRC103	129.00	130.00	9660	17836	1757	4996	334	52.1	91.7	6.4	19.5	1.7	3.1	0.2	0.8	-0.1	42.2	3.48	53.6	2.9
KGKRC103	130.00	131.00	7081	12055	1184	3501	311	58.0	111.7	8.7	27.3	2.8	5.0	0.6	2.6	0.3	76.7	2.44	78.1	2.7
KGKRC103	131.00	132.00	2206	4379	465	1433	121	20.2	36.7	2.8	9.2	1.3	2.1	0.2	1.2	0.2	30.1	0.87	23.0	2.4
KGKRC103	132.00	133.00	10473	19686	2072	6070	433	68.2	115.0	8.2	21.9	2.0	3.5	0.2	1.3	0.1	47.0	3.90	76.3	2.5
KGKRC103	133.00	134.00	10122	18953	1960	5637	392	61.0	101.9	7.5	19.6	2.0	2.7	0.2	1.4	0.1	44.3	3.73	68.8	2.7
KGKRC103	134.00	135.00	9300	15542	1477	4086	313	52.9	103.5	7.9	24.0	2.2	3.8	0.3	1.5	0.1	54.0	3.10	81.8	2.5
KGKRC103	135.00	136.00	9028	16887	1738	5035	351	55.2	94.4	6.5	16.3	1.8	2.9	0.3	1.8	0.2	42.2	3.33	57.5	1.8
KGKRC103	136.00	137.00	5950	11184	1141	3377	275	52.6	104.1	8.2	21.6	2.2	2.9	0.2	1.4	0.2	50.5	2.22	119.7	3.6
KGKRC103	137.00	138.00	6025	11125	1154	3398	275	50.5	103.9	8.8	27.1	2.5	3.7	0.6	2.4	0.2	62.5	2.22	117.7	4.7
KGKRC103	138.00	139.00	8741	16176	1630	4644	316	49.6	85.2	5.9	17.3	1.6	2.7	0.3	1.3	0.1	40.9	3.17	51.8	5.3
KGKRC103	139.00	140.00	5078	9125	922	2663	187	30.7	59.2	5.2	19.1	2.1	3.9	0.6	1.8	0.2	53.1	1.82	49.7	3.8
KGKRC103	140.00	141.00	4316	8070	816	2371	166	27.6	52.3	4.0	11.5	1.3	1.7	0.2	1.0	0.1	30.2	1.59	39.5	5.0
KGKRC103	141.00	142.00	5822	10614	1040	2982	201	34.5	59.2	4.5	11.3	1.4	2.2	0.2	0.6	0.1	30.0	2.08	47.4	8.1
KGKRC103	142.00	143.00	5936	10172	1009	2852	193	33.4	57.7	4.7	12.9	1.6	2.6	0.2	0.9	0.1	33.7	2.03	42.4	4.1
KGKRC103	143.00	144.00	6984	12483	1255	3588	260	45.3	85.7	6.4	19.4	2.1	3.5	0.3	1.8	0.2	54.2	2.48	68.3	2.7
KGKRC103	144.00	145.00	5689	10955	1130	3290	246	42.7	76.2	5.8	16.2	2.2	3.4	0.1	1.5	0.2	46.9	2.15	61.6	8.0
KGKRC103	145.00	146.00	4269	8415	884	2635	202	35.4	61.0	4.1	11.8	1.4	2.3	0.2	1.0	-0.1	27.8	1.65	47.5	3.0
KGKRC103	146.00	147.00	7939	15274	1601	4711	375	65.7	117.9	8.9	23.6	2.6	3.4	0.3	1.7	0.2	57.4	3.02	90.8	5.2
KGKRC103	147.00	148.00	9343	17530	1831	5302	428	76.2	137.9	10.5	28.2	2.9	5.6	0.5	2.2	0.3	74.2	3.48	103.2	6.0
KGKRC103	148.00	149.00	8558	16541	1752	5184	412	74.7	135.0	10.2	30.2	3.3	5.8	0.5	2.6	0.3	77.2	3.28	105.9	8.0
KGKRC103	149.00	150.00	10433	19597	2074	6039	466	84.2	143.4	10.9	29.7	3.3	5.3	0.6	1.7	0.3	73.2	3.90	114.8	6.0
KGKRC104	0.00	1.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC104	1.00	2.00	8199	15862	1634	4856	353	57.2	92.7	5.7	14.5	1.7	2.4	0.2	0.7	0.1	34.2	3.11	45.9	1.5
KGKRC104	2.00	3.00	6858	13488	1438	4362	327	54.3	86.4	5.4	13.8	1.5	2.9	0.2	1.1	0.2	30.7	2.67	38.4	2.0

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC104	3.00	4.00	8000	15788	1692	5089	387	63.8	103.3	6.5	17.2	1.7	2.9	0.3	1.6	0.2	36.2	3.12	53.4	2.5
KGKRC104	4.00	5.00	7514	14936	1619	4833	364	60.4	97.5	6.1	15.7	1.5	2.6	0.2	0.8	0.2	34.0	2.95	44.5	3.1
KGKRC104	5.00	6.00	3309	7139	824	2735	248	42.6	71.3	4.9	15.5	1.8	3.4	0.5	2.6	0.3	45.1	1.44	34.3	5.7
KGKRC104	6.00	7.00	4212	9438	1110	3759	324	52.6	86.2	5.1	13.1	1.3	2.3	0.2	1.1	0.1	28.3	1.90	41.5	4.5
KGKRC104	7.00	8.00	7134	13648	1415	4247	310	51.4	83.4	5.1	11.9	1.2	1.7	0.2	0.8	0.1	25.7	2.69	37.8	3.5
KGKRC104	8.00	9.00	6520	12867	1375	4125	324	55.9	90.3	5.9	15.0	1.7	2.4	0.1	1.4	0.2	33.3	2.54	48.1	4.3
KGKRC104	9.00	10.00	4032	7691	790	2343	173	29.3	48.4	3.4	9.4	0.9	1.6	0.2	0.7	0.1	21.1	1.51	25.0	4.8
KGKRC104	10.00	11.00	6071	11122	1114	3203	221	36.2	59.3	4.1	9.5	1.0	1.7	0.1	0.8	0.1	23.8	2.19	31.1	2.8
KGKRC104	11.00	12.00	2414	4893	540	1724	167	33.4	66.3	5.8	22.2	3.3	7.1	0.9	4.1	0.6	86.5	1.00	34.3	7.9
KGKRC104	12.00	13.00	2227	4767	556	1816	181	34.6	69.8	5.9	20.5	3.1	6.8	0.7	3.5	0.5	78.7	0.98	36.8	8.8
KGKRC104	13.00	14.00	2192	4458	501	1623	160	32.5	67.6	6.0	24.3	4.0	8.4	0.9	3.8	0.6	95.6	0.92	34.2	9.2
KGKRC104	14.00	15.00	1532	3153	350	1160	126	26.6	58.9	5.8	24.2	3.6	7.8	0.9	4.3	0.6	94.7	0.65	29.0	7.4
KGKRC104	15.00	16.00	2432	5094	570	1863	188	39.4	84.4	8.0	30.3	4.7	10.2	1.1	5.8	0.8	125.3	1.05	48.2	9.5
KGKRC104	16.00	17.00	1757	3611	413	1359	138	30.1	63.2	6.1	23.8	3.6	8.5	0.9	4.6	0.7	92.5	0.75	34.9	9.2
KGKRC104	17.00	18.00	779	1631	187	630	67	15.2	31.1	3.1	12.4	2.0	4.1	0.7	3.2	0.3	50.8	0.34	18.0	3.8
KGKRC104	18.00	19.00	1819	3863	435	1411	143	29.8	66.3	5.9	23.4	3.4	7.9	1.0	4.7	0.6	95.5	0.79	37.0	5.7
KGKRC104	19.00	20.00	1953	4343	514	1758	202	42.6	92.1	8.1	34.2	4.9	12.1	1.5	6.0	0.8	134.1	0.91	57.5	12.1
KGKRC104	20.00	21.00	2248	4867	567	1881	217	46.6	104.2	9.6	36.3	5.6	12.8	1.4	7.3	1.0	156.5	1.02	60.3	11.8
KGKRC104	21.00	22.00	1806	3826	441	1448	165	35.4	80.5	8.1	35.0	5.0	11.1	1.4	6.6	0.8	141.9	0.80	45.8	10.9
KGKRC104	22.00	23.00	2108	4265	464	1507	166	37.3	86.4	8.7	33.3	5.8	11.7	1.5	6.7	1.0	150.6	0.89	45.4	12.0
KGKRC104	23.00	24.00	1618	3107	336	1120	142	33.5	77.4	8.2	35.1	5.7	12.7	1.4	7.9	0.9	148.8	0.67	42.4	12.6
KGKRC104	24.00	25.00	1943	4089	461	1525	167	38.2	80.7	7.9	34.0	4.8	10.4	1.4	6.3	0.8	133.3	0.85	46.2	13.2
KGKRC104	25.00	26.00	3701	8189	952	3191	317	62.0	115.9	8.8	29.0	3.9	8.7	1.0	5.1	0.7	102.9	1.67	63.7	17.4
KGKRC104	26.00	27.00	1837	3931	456	1595	195	42.0	89.9	8.5	34.1	4.8	10.8	1.4	6.9	1.0	131.4	0.83	54.3	17.5
KGKRC104	27.00	28.00	2013	4407	537	1894	228	47.5	94.9	8.0	28.8	4.4	8.5	1.0	5.6	0.7	104.1	0.94	58.0	13.9
KGKRC104	28.00	29.00	1538	3044	334	1122	144	34.7	85.1	9.1	42.1	6.3	14.0	1.5	9.3	1.3	172.8	0.66	43.7	8.5
KGKRC104	29.00	30.00	1782	3702	422	1404	179	43.9	109.1	11.5	48.0	7.7	17.2	1.9	12.2	1.4	211.3	0.80	60.3	6.8
KGKRC104	30.00	31.00	1988	4120	465	1553	190	43.8	103.6	11.4	47.9	7.1	16.8	1.9	10.0	1.4	191.9	0.88	82.2	8.7
KGKRC104	31.00	32.00	1517	3221	365	1255	169	39.7	94.1	9.8	41.9	6.9	16.5	1.6	8.3	1.1	172.6	0.69	78.1	10.9
KGKRC104	32.00	33.00	1565	3363	392	1306	156	34.5	77.0	7.7	32.8	4.7	10.8	1.4	6.5	0.8	123.8	0.71	58.8	10.4
KGKRC104	33.00	34.00	1923	4607	573	2022	232	46.0	88.7	6.6	22.8	3.2	6.4	0.6	3.6	0.5	75.8	0.96	60.9	14.0
KGKRC104	34.00	35.00	1539	3216	367	1235	168	41.5	98.0	10.4	45.6	6.3	15.1	2.1	8.9	1.1	173.3	0.69	100.0	11.6
KGKRC104	35.00	36.00	1309	2798	326	1129	150	34.9	83.1	8.4	32.6	4.7	11.2	1.6	6.2	1.0	130.3	0.60	73.0	14.6
KGKRC104	36.00	37.00	1297	2645	301	1000	128	31.7	76.9	8.4	36.8	5.6	10.5	1.4	7.2	0.8	138.6	0.57	88.2	7.1
KGKRC104	37.00	38.00	1196	2596	283	1039	138	34.0	77.5	8.8	37.0	5.4	11.4	1.4	7.3	0.9	132.6	0.56	89.7	18.0
KGKRC104	38.00	39.00	1186	2651	293	1040	142	34.2	83.0	8.8	37.9	5.4	13.2	1.4	7.2	1.0	148.1	0.57	104.7	11.2
KGKRC104	39.00	40.00	1086	2575	297	1093	137	31.0	66.7	7.5	31.1	4.2	10.1	1.0	7.1	0.8	122.9	0.55	56.4	16.4
KGKRC104	40.00	41.00	1450	3520	408	1526	174	35.9	70.8	6.9	24.0	3.3	8.6	0.9	5.0	0.6	93.0	0.73	41.4	22.7
KGKRC104	41.00	42.00	987	2130	228	802	109	27.3	66.6	7.8	33.7	5.3	11.0	1.3	7.6	0.9	136.0	0.46	62.3	9.7
KGKRC104	42.00	43.00	1124	2506	271	968	122	31.2	72.4	8.4	35.1	5.3	11.4	1.4	7.8	0.9	134.5	0.53	78.1	7.5
KGKRC104	43.00	44.00	1214	2702	290	1033	130	31.3	74.7	8.0	33.5	4.7	11.0	1.1	6.3	0.7	131.9	0.57	99.4	6.8
KGKRC104	44.00	45.00	1845	3972	418	1402	151	36.6	83.4	8.8	36.8	5.2	11.4	1.4	7.5	0.8	141.9	0.81	74.5	11.7
KGKRC104	45.00	46.00	1215	2634	282	989	124	31.7	73.9	8.4	36.5	4.7	12.4	1.1	7.5	0.8	142.6	0.56	68.3	8.5
KGKRC104	46.00	47.00	1100	2397	260	910	119	29.5	67.6	7.5	32.0	4.9	10.2	1.1	6.2	0.7	127.1	0.51	56.9	7.9
KGKRC104	47.00	48.00	386	812	91	319	44	12.2	27.5	3.4	16.1	2.4	6.1	0.6	3.6	0.5	65.4	0.18	19.6	2.6



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC104	48.00	49.00	1329	3021	337	1243	162	36.0	83.9	9.3	36.6	5.2	11.3	1.5	7.1	0.9	149.7	0.64	50.4	9.6
KGKRC104	49.00	50.00	1575	3569	386	1399	178	41.5	91.2	9.9	41.1	6.2	12.9	1.5	9.0	1.1	155.4	0.75	62.5	10.9
KGKRC104	50.00	51.00	2679	6041	643	2017	146	25.7	45.0	3.8	11.1	1.3	2.9	0.3	2.9	0.3	35.8	1.17	28.7	14.6
KGKRC104	51.00	52.00	1529	3194	339	1183	151	38.9	92.4	10.5	47.2	7.5	16.6	1.8	10.6	1.3	194.0	0.68	55.5	6.4
KGKRC104	52.00	53.00	1470	3155	333	1175	154	37.6	89.8	10.2	46.5	6.9	13.3	1.6	8.2	1.0	176.6	0.67	64.0	12.2
KGKRC104	53.00	54.00	1391	2877	297	1029	137	34.5	88.8	10.4	45.3	7.0	15.3	1.6	8.9	1.0	185.5	0.61	51.3	9.3
KGKRC104	54.00	55.00	1449	3149	341	1207	163	40.1	94.4	10.5	44.1	6.5	14.0	1.5	8.1	1.1	178.6	0.67	60.1	11.6
KGKRC104	55.00	56.00	1116	2362	257	924	127	32.7	76.2	9.2	39.7	6.0	12.7	1.5	7.7	1.0	163.3	0.51	42.0	13.9
KGKRC104	56.00	57.00	1441	3073	365	1250	173	38.9	86.8	9.2	37.8	5.7	11.6	1.5	6.7	0.8	142.6	0.66	40.7	11.6
KGKRC104	57.00	58.00	1355	2691	299	982	130	30.6	76.9	8.6	38.5	5.7	13.3	1.1	7.2	0.9	153.3	0.58	48.9	6.3
KGKRC104	58.00	59.00	1259	2576	283	959	138	34.9	82.8	10.0	43.2	6.9	14.0	1.6	10.3	1.4	183.0	0.56	48.5	14.1
KGKRC104	59.00	60.00	1363	2836	318	1024	112	23.4	51.2	5.2	24.0	3.3	8.1	0.7	5.5	0.7	90.8	0.59	32.2	16.6
KGKRC105	0.00	1.00	4767	9673	1057	3229	240	39.1	63.7	4.5	12.6	1.5	2.4	0.2	1.2	0.2	32.1	1.91	28.7	1.1
KGKRC105	1.00	2.00	2481	5336	592	1838	146	22.8	38.2	2.8	8.5	0.9	1.8	0.2	1.3	-0.1	21.3	1.05	18.4	0.5
KGKRC105	2.00	3.00	6667	13750	1512	4582	365	61.5	106.1	7.8	20.2	2.4	4.1	0.5	3.0	0.5	53.1	2.71	68.9	2.6
KGKRC105	3.00	4.00	10086	13816	1121	2732	184	33.8	58.6	4.6	14.5	1.7	2.5	0.5	2.1	0.2	42.4	2.81	81.5	4.4
KGKRC105	4.00	5.00	4328	9113	1001	3070	255	42.6	69.4	4.7	12.5	1.3	2.3	0.2	1.7	0.2	30.7	1.79	39.3	0.8
KGKRC105	5.00	6.00	5450	9872	977	2848	221	39.8	69.8	6.0	16.8	2.0	3.1	0.3	1.9	0.3	41.9	1.96	46.4	1.1
KGKRC105	6.00	7.00	4174	8388	918	2818	243	41.6	76.7	5.4	16.2	1.8	3.3	0.3	2.3	0.3	43.4	1.67	51.8	1.2
KGKRC105	7.00	8.00	6740	13625	1463	4464	345	54.1	84.5	5.8	14.7	1.5	2.7	0.2	1.6	0.2	32.9	2.68	43.5	2.6
KGKRC105	8.00	9.00	5056	10432	1120	3420	261	39.6	63.4	4.0	11.4	1.3	2.3	0.2	1.0	0.2	27.4	2.04	26.2	2.2
KGKRC105	9.00	10.00	3050	6473	713	2215	165	25.2	42.1	2.9	10.1	1.3	2.7	0.3	2.7	0.3	34.8	1.27	16.3	9.0
KGKRC105	10.00	11.00	8171	17176	1895	5651	384	55.4	84.1	5.5	13.3	1.6	2.4	0.3	2.2	0.3	34.7	3.35	37.4	5.3
KGKRC105	11.00	12.00	6246	12520	1314	3899	274	41.9	68.9	4.2	10.4	1.2	2.1	0.2	1.3	0.1	25.5	2.44	30.0	2.9
KGKRC105	12.00	13.00	13714	26689	2786	8191	566	85.5	135.9	8.8	20.0	2.0	2.7	0.3	1.4	0.1	39.0	5.22	60.4	1.2
KGKRC105	13.00	14.00	6625	12096	1204	3383	241	38.0	63.2	4.2	11.8	1.3	2.2	0.2	1.5	0.2	30.6	2.37	27.9	1.7
KGKRC105	14.00	15.00	5863	10501	1036	2927	204	32.7	52.6	3.8	10.3	1.2	1.9	0.2	1.6	0.1	23.9	2.07	25.0	0.5
KGKRC105	15.00	16.00	2939	6084	670	2043	162	25.5	40.4	2.8	7.4	1.0	1.7	0.1	1.1	0.1	20.3	1.20	14.4	1.1
KGKRC105	16.00	17.00	3917	7664	809	2422	183	30.3	47.0	3.2	8.2	1.0	1.6	0.3	1.2	0.1	21.0	1.51	17.7	0.4
KGKRC105	17.00	18.00	3498	6852	737	2237	167	26.5	46.9	3.2	8.4	1.3	2.4	0.2	2.1	0.2	25.1	1.36	18.9	3.5
KGKRC105	18.00	19.00	2797	5690	630	1878	142	22.7	37.5	2.7	7.7	0.9	1.8	0.2	1.1	0.1	21.1	1.12	15.3	4.4
KGKRC105	19.00	20.00	7013	14351	1543	4686	368	56.6	89.4	5.7	14.5	1.4	1.9	0.2	1.3	0.1	29.8	2.82	41.4	2.0
KGKRC105	20.00	21.00	11930	23581	2446	7254	511	81.2	129.6	8.2	19.4	2.1	2.3	0.2	1.0	0.1	36.5	4.60	62.0	1.1
KGKRC105	21.00	22.00	5313	10843	1182	3586	280	43.1	68.5	4.6	11.0	1.4	1.9	0.2	1.6	0.1	25.4	2.14	28.8	2.3
KGKRC105	22.00	23.00	5751	10593	1083	3172	229	36.9	61.7	4.0	9.6	1.4	1.9	0.2	1.1	0.1	24.5	2.10	24.9	1.2
KGKRC105	23.00	24.00	6869	13140	1351	3945	291	44.4	72.7	4.5	10.6	1.0	1.6	0.1	0.9	-0.1	22.2	2.58	30.5	0.1
KGKRC105	24.00	25.00	5330	9904	1016	2925	199	32.8	50.5	3.4	8.7	0.9	2.1	0.2	1.6	0.2	23.2	1.95	21.8	-0.1
KGKRC105	25.00	26.00	2351	4802	513	1538	111	18.0	27.4	1.8	5.5	0.6	1.6	0.2	1.5	0.1	16.3	0.94	11.2	0.2
KGKRC105	26.00	27.00	2491	5222	570	1722	127	19.3	31.4	2.1	6.0	0.6	1.1	-0.1	0.7	0.1	13.7	1.02	12.7	-0.1
KGKRC105	27.00	28.00	3493	7179	785	2386	169	26.2	40.7	2.5	5.9	0.7	1.4	-0.1	0.9	0.1	15.0	1.41	15.6	0.1
KGKRC105	28.00	29.00	2565	5196	559	1700	127	19.7	31.7	2.1	4.7	0.6	1.0	-0.1	0.6	-0.1	13.1	1.02	12.8	-0.1
KGKRC105	29.00	30.00	7241	15325	1674	5189	394	60.0	95.9	5.5	13.5	1.4	2.5	0.2	1.7	0.2	28.2	3.00	36.3	0.3
KGKRC105	30.00	31.00	3453	7266	807	2427	178	27.8	43.5	2.7	7.2	0.8	1.5	0.1	0.6	-0.1	16.3	1.42	16.4	0.1
KGKRC105	31.00	32.00	4005	8209	870	2644	194	29.9	45.4	3.1	6.8	0.8	1.1	0.1	0.8	-0.1	15.9	1.60	17.1	0.2
KGKRC105	32.00	33.00	4471	8596	893	2606	191	29.9	49.0	3.1	7.2	0.8	1.1	0.2	0.7	-0.1	17.9	1.69	20.0	0.5

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC105	33.00	34.00	7255	12359	1211	3407	242	40.2	67.3	4.5	12.5	1.3	2.3	0.1	1.3	0.1	26.7	2.46	31.0	0.4
KGKRC105	34.00	35.00	1637	3430	374	1162	91	15.4	24.4	1.4	4.3	0.6	1.1	0.1	0.3	-0.1	11.1	0.68	11.2	0.1
KGKRC105	35.00	36.00	5494	10053	1043	3019	229	37.9	61.6	3.9	9.8	1.0	2.2	0.1	1.5	0.1	22.9	2.00	28.9	0.8
KGKRC105	36.00	37.00	14161	23970	2353	6709	498	82.1	136.2	9.1	21.1	2.4	3.8	0.3	1.1	0.2	49.9	4.80	70.6	1.9
KGKRC105	37.00	38.00	6965	12439	1253	3555	274	44.9	75.7	4.8	11.0	1.2	1.5	0.2	0.7	-0.2	25.5	2.47	34.7	0.7
KGKRC105	38.00	39.00	3122	5463	541	1516	109	18.0	30.5	2.2	6.5	0.8	1.1	-0.1	1.0	-0.1	16.1	1.08	12.6	0.3
KGKRC105	39.00	40.00	3137	5427	526	1493	107	17.7	29.6	2.2	6.2	0.6	1.3	0.1	0.6	-0.1	14.7	1.08	14.0	0.3
KGKRC105	40.00	41.00	7535	13122	1274	3476	232	37.5	63.7	4.1	10.4	1.0	1.8	0.2	0.8	-0.1	24.5	2.58	28.3	0.5
KGKRC105	41.00	42.00	14293	23622	2242	5992	377	59.2	96.0	6.4	13.8	1.5	2.1	0.2	1.1	0.1	29.6	4.67	44.7	0.9
KGKRC105	42.00	43.00	11632	17982	1663	4638	343	56.6	99.3	7.2	21.1	2.1	3.3	0.3	2.6	0.2	45.7	3.65	69.2	1.2
KGKRC105	43.00	44.00	9812	14660	1310	3443	209	35.2	59.0	4.4	10.0	1.0	1.0	-0.1	0.5	-0.1	19.1	2.96	32.2	0.6
KGKRC105	44.00	45.00	17643	26703	2441	6502	398	66.1	115.3	7.9	19.4	1.7	2.9	0.2	0.7	0.1	35.6	5.39	53.9	1.4
KGKRC105	45.00	46.00	12486	19356	1756	4694	302	50.1	85.5	6.5	16.5	1.5	2.2	0.2	1.1	-0.1	32.8	3.88	43.3	1.1
KGKRC105	46.00	47.00	12889	21623	2097	5802	356	55.7	91.6	6.4	15.5	1.5	2.2	0.2	1.7	0.1	32.5	4.30	42.8	1.2
KGKRC105	47.00	48.00	18776	30362	2877	7830	504	82.2	133.7	8.4	19.3	1.8	2.6	0.2	1.2	0.1	39.5	6.06	63.9	1.1
KGKRC105	48.00	49.00	6840	13049	1357	4004	291	46.9	79.6	5.1	13.7	1.4	2.9	0.3	1.7	0.2	32.0	2.57	37.7	0.8
KGKRC105	49.00	50.00	11528	18757	1813	5068	344	60.4	106.0	7.8	20.4	2.2	3.5	0.5	2.2	0.1	45.5	3.78	48.8	1.1
KGKRC105	50.00	51.00	12715	21144	2014	5575	362	57.9	102.0	7.1	18.3	1.8	3.2	0.3	1.2	0.2	38.9	4.20	47.9	1.2
KGKRC105	51.00	52.00	2947	5573	570	1683	122	19.6	34.9	2.5	7.2	0.8	1.6	0.1	0.8	0.1	18.8	1.10	16.4	0.3
KGKRC105	52.00	53.00	4520	8191	830	2457	191	35.1	60.9	4.6	14.2	1.7	3.1	0.2	1.9	0.2	37.1	1.63	38.7	0.8
KGKRC105	53.00	54.00	7005	13807	1496	4411	324	51.4	83.1	5.3	13.5	1.5	2.5	0.2	1.7	0.2	31.1	2.72	39.4	1.0
KGKRC105	54.00	55.00	4382	9293	1034	3177	233	35.3	56.1	3.5	9.4	0.8	1.9	0.2	1.1	-0.1	19.4	1.82	21.8	0.7
KGKRC105	55.00	56.00	4960	10213	1111	3404	254	40.8	69.0	4.6	11.9	1.3	1.8	0.1	1.4	0.2	26.8	2.01	42.6	0.5
KGKRC105	56.00	57.00	8540	15226	1519	4428	335	53.2	89.4	5.7	14.9	1.4	1.8	0.2	1.4	0.2	26.9	3.02	40.1	0.4
KGKRC105	57.00	58.00	5121	9282	938	2765	210	34.4	58.5	4.0	10.4	1.2	1.6	0.2	1.1	0.1	23.1	1.85	22.6	0.4
KGKRC105	58.00	59.00	9794	16969	1670	4722	351	59.3	100.4	6.5	15.8	1.6	2.1	0.2	1.0	-0.1	26.7	3.37	48.6	0.6
KGKRC105	59.00	60.00	11911	20705	2090	6220	462	79.6	131.3	8.6	21.7	2.1	3.5	0.5	1.8	0.2	46.0	4.17	74.2	1.3
KGKRC105	60.00	61.00	3378	6977	749	2256	168	25.9	43.4	2.8	7.4	0.9	1.8	0.2	1.0	0.1	18.9	1.36	16.9	0.7
KGKRC105	61.00	62.00	3006	6288	679	2112	156	25.6	39.4	2.9	6.8	0.9	1.6	0.2	1.6	0.1	21.3	1.23	15.9	0.6
KGKRC105	62.00	63.00	4655	9556	1045	3189	238	37.3	57.3	3.8	10.2	1.2	2.1	0.2	1.7	0.2	24.6	1.88	25.7	0.6
KGKRC105	63.00	64.00	9714	18325	1887	5539	419	67.2	109.2	6.9	16.2	1.7	2.3	0.2	1.3	0.2	31.5	3.61	53.7	0.6
KGKRC105	64.00	65.00	7164	12996	1326	3783	282	46.8	79.1	5.1	12.9	1.3	1.6	0.2	1.0	0.1	26.0	2.57	36.8	0.6
KGKRC105	65.00	66.00	2654	5373	571	1733	128	20.4	36.2	2.7	8.3	1.0	1.9	0.2	1.5	0.1	23.6	1.06	11.9	0.4
KGKRC105	66.00	67.00	10303	21239	2299	7040	486	72.3	116.4	6.8	14.8	1.5	2.5	0.3	1.2	0.1	31.1	4.16	47.3	0.2
KGKRC105	67.00	68.00	1785	3677	390	1200	90	14.9	23.7	1.9	5.4	0.8	1.6	0.1	1.4	0.1	17.3	0.72	9.6	0.1
KGKRC105	68.00	69.00	2203	4556	499	1529	114	18.8	31.3	2.2	6.4	0.9	1.8	0.2	1.5	0.2	22.5	0.90	12.7	-0.1
KGKRC105	69.00	70.00	2369	4544	468	1411	102	16.4	27.1	2.0	6.3	0.6	1.6	0.1	0.5	0.1	15.6	0.90	10.8	0.2
KGKRC105	70.00	71.00	2474	5036	529	1607	114	17.6	30.4	2.0	5.5	0.6	1.4	0.1	0.7	-0.1	14.0	0.98	10.8	-0.1
KGKRC105	71.00	72.00	4224	8148	842	2496	172	27.7	44.7	2.9	7.1	0.7	1.4	0.1	0.6	-0.1	16.3	1.60	17.9	0.1
KGKRC105	72.00	73.00	6429	12969	1391	4209	301	46.0	71.0	4.6	10.9	1.2	1.9	0.2	1.6	0.2	23.9	2.55	28.5	0.3
KGKRC105	73.00	74.00	2617	5426	580	1799	130	18.9	30.4	2.1	5.2	0.6	1.3	0.1	0.4	-0.1	13.5	1.06	11.5	-0.1
KGKRC105	74.00	75.00	5762	11277	1198	3580	277	44.1	73.4	4.4	10.1	1.3	2.2	0.2	1.2	0.2	26.7	2.23	31.1	0.2
KGKRC105	75.00	76.00	4560	9486	1030	3194	251	40.1	68.9	4.2	11.5	1.0	1.9	0.2	1.1	0.1	23.9	1.87	30.6	0.4
KGKRC105	76.00	77.00	4528	9123	978	2981	234	37.2	59.0	3.8	9.6	1.0	2.2	0.2	1.0	0.1	21.8	1.80	24.3	0.2
KGKRC105	77.00	78.00	4359	8863	956	2969	225	35.4	55.9	3.5	8.3	0.9	1.8	0.1	1.1	0.1	20.7	1.75	19.9	0.6

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC105	78.00	79.00	2349	5029	552	1697	125	20.3	31.7	2.0	5.1	0.6	1.1	0.2	0.8	-0.1	14.6	0.98	10.8	-0.1
KGKRC105	79.00	80.00	3654	8010	889	2809	201	30.9	47.5	2.7	6.2	0.7	1.4	0.2	1.2	0.1	16.9	1.57	15.8	-0.1
KGKRC106	0.00	1.00	14980	29465	3139	9734	739	125.2	205.2	14.4	39.8	4.6	7.1	0.8	4.0	0.6	103.4	5.86	125.4	13.0
KGKRC106	1.00	2.00	8028	16261	1766	5525	457	79.4	146.3	11.5	37.9	4.9	9.3	1.0	5.5	0.7	119.9	3.25	88.0	16.6
KGKRC106	2.00	3.00	5037	11394	1341	4324	402	70.9	124.0	8.1	22.4	2.3	3.9	0.6	2.9	0.5	55.9	2.28	81.1	13.3
KGKRC106	3.00	4.00	3063	6499	725	2324	214	38.0	71.1	5.9	21.1	2.9	4.9	0.7	4.8	0.6	67.4	1.30	42.8	10.7
KGKRC106	4.00	5.00	2579	5459	615	2016	220	44.5	94.0	9.3	39.4	5.8	12.6	1.6	7.7	0.9	148.3	1.13	68.7	11.0
KGKRC106	5.00	6.00	2886	6342	716	2382	229	43.0	84.0	7.2	27.9	3.8	8.4	1.0	5.3	0.7	96.9	1.28	44.6	17.5
KGKRC106	6.00	7.00	5764	12300	1356	4280	345	56.6	90.2	5.9	15.5	1.7	3.0	0.3	1.3	0.2	35.4	2.43	48.5	42.3
KGKRC106	7.00	8.00	1799	3734	417	1390	166	36.5	84.6	8.8	38.7	5.6	12.6	1.7	8.6	0.9	146.7	0.79	58.7	13.1
KGKRC106	8.00	9.00	1604	3339	374	1252	150	34.5	83.6	9.1	39.3	6.1	12.9	1.3	8.1	1.0	154.3	0.71	51.0	8.7
KGKRC106	9.00	10.00	1417	2884	327	1094	148	34.5	85.5	9.3	42.9	6.6	14.0	1.7	8.0	1.0	162.8	0.62	52.9	11.1
KGKRC106	10.00	11.00	1363	2883	339	1201	163	38.2	88.2	9.9	41.6	6.0	14.2	1.5	7.1	1.0	160.3	0.63	52.5	9.8
KGKRC106	11.00	12.00	1645	3508	402	1384	171	39.4	84.9	8.6	36.3	5.4	11.8	1.3	6.5	0.9	144.3	0.74	63.1	9.1
KGKRC106	12.00	13.00	1303	2791	335	1161	155	37.2	87.5	9.3	41.0	5.8	12.2	1.4	8.3	1.0	150.6	0.61	98.9	19.4
KGKRC106	13.00	14.00	1405	2991	342	1186	156	35.1	82.2	8.7	39.6	5.7	12.8	1.6	6.0	1.1	146.7	0.64	68.1	12.3
KGKRC106	14.00	15.00	1065	2423	286	1013	130	29.3	64.1	6.7	27.3	4.0	8.1	0.9	3.5	0.5	97.3	0.52	44.7	10.6
KGKRC106	15.00	16.00	1279	2834	331	1151	161	36.1	84.9	9.2	39.4	6.0	14.5	1.5	7.3	1.0	150.4	0.61	75.6	9.7
KGKRC106	16.00	17.00	1230	2747	335	1239	177	40.4	89.4	9.2	37.3	5.6	11.2	1.5	6.4	1.0	142.1	0.61	74.6	6.5
KGKRC106	17.00	18.00	1506	3196	369	1281	162	36.8	88.2	10.0	40.4	6.3	12.8	1.8	8.1	1.3	161.5	0.69	96.1	10.5
KGKRC106	18.00	19.00	1698	3867	454	1542	168	34.3	73.0	7.5	31.5	4.7	9.5	1.1	7.2	0.9	113.3	0.80	75.1	11.1
KGKRC106	19.00	20.00	1405	3000	350	1207	154	34.3	78.8	8.4	35.6	5.5	12.6	1.6	7.8	1.0	141.0	0.64	79.5	12.1
KGKRC106	20.00	21.00	1837	3787	441	1496	197	47.8	110.9	12.1	51.4	7.8	17.3	1.9	11.7	1.6	194.3	0.82	103.4	10.6
KGKRC106	21.00	22.00	1811	4266	527	1792	185	36.0	72.5	6.6	26.7	3.7	7.4	0.9	4.7	0.8	91.3	0.88	48.0	11.1
KGKRC106	22.00	23.00	1162	2542	302	1091	135	29.8	61.8	5.8	19.9	2.8	5.4	0.7	3.0	0.5	66.3	0.54	41.3	7.7
KGKRC106	23.00	24.00	1624	3895	496	1750	184	34.7	68.1	6.4	24.0	3.3	7.1	0.8	4.3	0.6	81.3	0.82	70.4	8.3
KGKRC106	24.00	25.00	1954	4918	636	2289	234	43.7	78.4	6.2	21.8	2.6	5.5	0.7	3.1	0.5	60.7	1.03	60.9	17.4
KGKRC106	25.00	26.00	1346	3146	394	1399	153	28.1	56.7	4.9	17.5	2.5	5.0	0.7	2.3	0.5	59.4	0.66	42.9	10.8
KGKRC106	26.00	27.00	1441	3491	427	1460	133	23.0	38.8	2.8	8.5	1.2	2.1	0.2	1.6	0.2	23.1	0.71	26.6	16.7
KGKRC106	27.00	28.00	1290	2951	362	1240	153	31.7	68.0	7.2	27.3	4.0	9.0	1.1	5.0	0.7	103.2	0.63	59.9	12.9
KGKRC106	28.00	29.00	746	1862	226	795	76	13.8	25.4	1.8	5.5	0.7	1.5	0.1	0.8	0.1	15.8	0.38	15.6	12.6
KGKRC106	29.00	30.00	1114	2582	307	1080	135	31.2	72.0	7.8	32.8	5.0	11.6	1.5	8.7	1.1	130.0	0.55	64.1	10.1
KGKRC106	30.00	31.00	896	2126	265	953	126	30.6	66.3	7.1	29.7	4.7	9.7	1.1	6.4	0.8	106.5	0.46	51.5	5.8
KGKRC106	31.00	32.00	1290	3015	355	1218	118	23.0	44.7	4.1	15.6	2.0	4.8	0.6	3.0	0.5	51.3	0.61	39.7	8.1
KGKRC106	32.00	33.00	3004	7216	888	2962	250	41.9	68.3	4.5	12.2	1.3	2.3	0.3	1.5	0.2	28.7	1.45	37.3	11.6
KGKRC106	33.00	34.00	2264	5357	654	2194	183	31.0	51.7	3.8	10.9	1.3	1.9	0.3	1.5	0.2	26.4	1.08	33.6	13.7
KGKRC106	34.00	35.00	3977	9257	1092	3601	315	56.0	92.4	6.5	15.8	1.7	1.8	0.2	1.3	0.2	33.4	1.85	66.0	16.4
KGKRC106	35.00	36.00	1689	3764	441	1498	149	28.8	53.6	4.6	16.5	2.1	5.3	0.6	3.1	0.3	54.0	0.77	64.7	5.2
KGKRC106	36.00	37.00	3076	6914	806	2632	239	41.9	70.5	5.3	16.0	2.0	2.9	0.3	1.8	0.2	36.8	1.38	57.7	13.3
KGKRC106	37.00	38.00	2467	5558	660	2208	192	33.5	56.5	4.2	11.8	1.5	2.9	0.2	2.1	0.2	33.4	1.12	34.0	17.3
KGKRC106	38.00	39.00	7436	15561	1748	5393	433	77.6	130.2	9.3	23.6	2.4	4.1	0.5	2.6	0.2	49.9	3.09	109.1	25.3
KGKRC106	39.00	40.00	1496	3482	410	1338	117	19.3	32.6	2.5	7.9	0.9	2.5	0.2	1.8	0.2	24.0	0.69	22.4	9.2
KGKRC106	40.00	41.00	3089	7041	830	2712	237	41.1	67.4	5.1	13.8	1.5	2.5	0.3	1.6	0.2	32.0	1.41	46.8	26.1
KGKRC106	41.00	42.00	1823	4155	498	1641	156	30.7	55.4	4.6	16.0	2.1	4.9	0.5	2.0	0.3	52.6	0.84	54.0	15.0
KGKRC106	42.00	43.00	1249	2902	345	1226	155	35.9	78.4	8.0	33.7	5.2	10.1	1.3	5.8	0.8	128.4	0.62	77.6	9.0

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC106	43.00	44.00	1307	3014	367	1292	161	35.7	75.5	8.0	34.7	4.9	10.3	1.4	7.3	0.9	131.1	0.65	64.8	6.5
KGKRC106	44.00	45.00	1312	2891	342	1162	133	31.7	65.6	7.3	29.5	4.8	10.5	1.3	6.4	0.8	121.2	0.61	50.9	10.5
KGKRC106	45.00	46.00	1542	3272	378	1304	163	36.7	85.5	9.6	42.4	6.3	14.1	1.5	8.9	1.3	163.3	0.70	54.0	12.2
KGKRC106	46.00	47.00	1431	3011	351	1194	157	37.3	92.5	10.5	45.3	7.2	15.2	1.8	9.2	1.1	177.2	0.65	64.0	13.1
KGKRC106	47.00	48.00	3776	9531	1187	4028	377	66.4	117.9	9.1	30.3	3.6	7.0	0.7	4.5	0.6	82.2	1.92	81.5	15.8
KGKRC106	48.00	49.00	3291	8235	1014	3506	347	67.2	125.4	10.9	37.4	5.2	11.1	1.4	6.7	0.9	131.2	1.68	87.1	16.1
KGKRC106	49.00	50.00	1488	3259	378	1297	172	39.0	90.0	9.6	38.6	6.0	12.9	1.6	9.5	1.1	155.8	0.70	60.2	11.4
KGKRC106	50.00	51.00	1734	3991	480	1611	170	36.6	75.7	7.2	31.7	4.6	9.8	1.0	7.4	0.8	113.7	0.83	50.4	9.5
KGKRC106	51.00	52.00	1495	3349	402	1343	146	31.4	67.8	7.3	28.6	4.6	9.3	1.0	7.5	0.8	112.1	0.70	71.3	8.2
KGKRC106	52.00	53.00	8469	18640	2094	6738	541	97.5	162.6	11.6	29.2	2.8	4.7	0.5	2.0	0.2	58.4	3.69	143.1	27.7
KGKRC106	53.00	54.00	1685	3675	432	1452	161	34.2	73.3	7.3	30.9	4.2	9.0	1.0	5.4	0.9	109.0	0.77	48.4	12.6
KGKRC106	54.00	55.00	1266	2721	320	1095	133	29.0	62.4	6.8	24.7	4.0	8.2	1.1	5.3	0.6	93.2	0.58	60.8	15.0
KGKRC106	55.00	56.00	1388	2946	349	1186	146	33.4	69.7	7.2	30.6	4.4	10.1	0.9	5.8	0.8	113.3	0.63	63.8	21.9
KGKRC106	56.00	57.00	2027	4258	497	1657	160	32.0	61.0	5.8	20.8	2.9	5.6	0.7	3.4	0.5	71.8	0.88	42.9	11.9
KGKRC106	57.00	58.00	1778	3788	437	1435	137	27.3	52.9	4.8	16.9	2.5	5.3	0.6	3.9	0.5	60.2	0.77	36.0	10.6
KGKRC106	58.00	59.00	1310	2823	318	1075	113	23.9	50.6	5.2	21.6	3.3	7.4	0.8	5.2	0.7	88.5	0.58	41.7	11.4
KGKRC106	59.00	60.00	1533	3413	398	1306	122	23.2	41.1	3.5	12.4	2.1	4.2	0.5	2.4	0.3	46.1	0.69	30.8	7.3
KGKRC110	0.00	1.00	8817	15522	1469	3919	243	39.5	66.7	5.8	15.7	1.7	2.7	0.2	1.1	0.2	37.8	3.01	51.6	7.0
KGKRC110	1.00	2.00	7856	14838	1444	4001	258	43.7	75.2	6.7	21.4	2.3	3.5	0.3	2.2	0.2	56.3	2.86	69.9	7.8
KGKRC110	2.00	3.00	4462	8684	864	2510	185	31.7	57.2	5.2	14.6	1.4	2.4	0.2	0.7	0.1	33.9	1.69	62.9	7.1
KGKRC110	3.00	4.00	10054	18472	1758	4728	278	44.5	74.9	6.4	18.5	1.8	2.6	0.3	1.0	0.1	47.1	3.55	56.3	3.6
KGKRC110	4.00	5.00	11460	20476	1931	5179	307	46.3	72.3	6.0	17.5	1.7	2.9	0.3	1.6	0.2	45.7	3.95	49.7	3.8
KGKRC110	5.00	6.00	7904	14521	1413	3857	236	35.6	58.9	4.6	15.3	1.6	1.9	0.2	1.2	0.2	34.8	2.81	42.8	6.0
KGKRC110	6.00	7.00	8447	15246	1454	3984	239	38.7	63.6	5.5	16.6	1.8	3.1	0.2	1.1	0.1	42.0	2.95	53.3	4.9
KGKRC110	7.00	8.00	15225	25078	2298	6029	349	54.5	89.1	8.0	21.4	2.3	3.2	0.2	1.6	0.1	56.9	4.92	82.7	2.9
KGKRC110	8.00	9.00	6300	10707	972	2608	163	26.5	48.8	4.5	14.1	1.8	3.1	0.3	1.6	0.3	48.1	2.09	39.9	6.4
KGKRC110	9.00	10.00	7209	13036	1236	3382	262	44.9	86.0	8.8	29.3	3.3	5.7	0.6	3.2	0.5	91.4	2.54	107.9	10.0
KGKRC110	10.00	11.00	1680	3465	380	1225	130	27.8	66.5	8.8	38.5	5.0	11.0	1.4	7.6	1.1	145.3	0.72	83.5	16.1
KGKRC110	11.00	12.00	1572	3225	338	1037	100	20.3	46.1	5.8	27.0	3.1	5.3	0.6	4.8	0.8	95.2	0.65	67.1	9.7
KGKRC110	12.00	13.00	2853	5365	537	1546	123	21.1	39.0	3.9	15.0	1.6	3.2	0.3	2.1	0.5	46.1	1.06	35.2	10.3
KGKRC110	13.00	14.00	4271	8233	843	2548	203	36.4	61.1	4.8	17.9	1.8	3.5	0.5	2.5	0.3	54.4	1.63	44.5	11.2
KGKRC110	14.00	15.00	3904	7647	790	2386	186	31.0	54.8	4.6	14.6	1.4	2.9	0.2	1.0	0.1	37.8	1.51	42.0	6.7
KGKRC110	15.00	16.00	3763	6513	602	1595	105	17.8	33.0	3.2	10.1	1.3	1.6	0.1	1.1	-0.1	27.4	1.27	30.9	5.8
KGKRC110	16.00	17.00	3363	6035	574	1580	111	19.2	32.2	3.5	12.7	1.4	2.4	0.2	1.5	0.2	40.4	1.18	30.6	6.7
KGKRC110	17.00	18.00	10704	18068	1668	4382	249	40.0	66.6	6.5	21.4	2.1	2.7	0.3	0.9	0.1	51.4	3.53	60.0	3.9
KGKRC110	18.00	19.00	7069	13312	1296	3559	245	41.1	75.1	7.3	23.1	2.6	4.1	0.3	1.6	0.2	62.4	2.57	71.1	3.0
KGKRC110	19.00	20.00	7101	12314	1139	3049	192	31.3	53.9	4.8	15.3	1.7	3.1	0.3	1.5	0.2	44.7	2.40	42.8	6.2
KGKRC110	20.00	21.00	4827	9551	960	2701	184	29.8	50.3	4.1	13.1	1.4	2.5	0.2	1.6	0.2	35.7	1.84	39.2	6.0
KGKRC110	21.00	22.00	3585	8180	906	2846	236	39.4	71.0	5.4	17.3	2.3	3.4	0.5	2.5	0.3	55.5	1.60	35.4	2.7
KGKRC110	22.00	23.00	5121	10549	1112	3240	233	36.8	68.8	6.6	23.6	2.5	4.5	0.3	2.4	0.3	71.1	2.05	61.2	6.6
KGKRC110	23.00	24.00	5435	11286	1193	3436	232	37.2	77.6	9.9	38.3	4.4	7.2	0.6	3.9	0.5	116.5	2.19	91.5	4.2
KGKRC110	24.00	25.00	5817	11564	1194	3328	212	34.4	58.1	4.8	15.2	1.6	3.0	0.3	1.8	0.1	44.7	2.23	46.3	4.1
KGKRC110	25.00	26.00	7348	14377	1466	4135	289	45.2	86.0	7.3	21.6	2.2	3.4	0.2	1.7	0.2	64.4	2.78	86.1	3.5
KGKRC110	26.00	27.00	4279	7965	779	2157	157	27.8	51.3	4.9	14.7	1.6	2.5	0.2	1.4	0.1	39.5	1.55	57.0	6.6
KGKRC110	27.00	28.00	3340	6821	714	2088	151	25.8	47.2	4.6	15.8	1.8	2.9	0.3	1.6	0.2	46.2	1.33	63.6	12.9

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC110	28.00	29.00	2447	4963	512	1498	102	17.4	29.2	2.5	8.3	1.0	1.7	0.2	1.1	0.1	24.9	0.96	48.3	17.5
KGKRC110	29.00	30.00	7241	12162	1124	2916	181	31.2	56.8	5.1	17.0	1.8	3.2	0.3	1.6	0.2	47.6	2.38	71.2	7.8
KGKRC110	30.00	31.00	12642	21726	1995	5205	305	51.3	91.5	7.7	24.5	2.9	5.0	0.6	2.1	0.3	77.0	4.21	94.1	2.7
KGKRC110	31.00	32.00	3813	7318	731	2062	142	24.4	46.1	4.6	13.2	1.5	2.4	0.2	0.9	0.2	34.5	1.42	75.8	6.8
KGKRC110	32.00	33.00	3724	7029	690	1965	150	24.7	43.2	4.0	12.2	1.4	3.0	0.3	2.0	0.2	39.8	1.37	57.4	1.7
KGKRC110	33.00	34.00	2839	5472	530	1510	101	18.2	30.5	3.1	9.6	1.2	1.9	0.2	1.3	0.1	30.5	1.05	54.4	13.6
KGKRC110	34.00	35.00	2400	4733	488	1416	94	14.9	27.3	2.6	8.2	1.2	1.7	0.2	1.5	0.1	28.2	0.92	40.0	16.9
KGKRC110	35.00	36.00	5232	9878	986	2716	179	31.3	52.8	4.5	15.4	1.5	2.9	0.2	1.3	0.2	44.1	1.91	62.1	10.9
KGKRC110	36.00	37.00	5537	10420	1005	2734	180	30.2	55.4	5.3	16.1	2.1	3.2	0.3	1.3	0.2	49.5	2.00	67.2	10.8
KGKRC110	37.00	38.00	4653	8556	840	2280	150	24.4	46.0	4.8	15.7	1.7	3.0	0.3	1.1	0.2	47.5	1.66	56.5	9.5
KGKRC110	38.00	39.00	4925	9052	847	2334	168	28.8	57.4	5.5	16.5	1.8	3.5	0.3	1.5	0.3	53.3	1.75	85.6	3.4
KGKRC110	39.00	40.00	15956	26714	2398	6245	373	62.9	116.4	10.8	32.8	3.8	6.2	0.7	2.8	0.3	93.5	5.20	111.3	5.9
KGKRC110	40.00	41.00	5470	10051	938	2545	158	26.6	47.7	4.7	17.8	2.0	3.4	0.3	1.8	0.3	57.4	1.93	54.4	9.3
KGKRC110	41.00	42.00	4379	8022	754	2062	131	21.2	40.8	3.9	13.5	1.7	3.1	0.5	2.7	0.3	50.5	1.55	41.1	12.5
KGKRC110	42.00	43.00	5589	10390	999	2744	184	30.3	56.4	5.4	15.6	1.7	2.7	0.3	0.9	0.2	47.1	2.01	63.2	11.3
KGKRC110	43.00	44.00	9186	16968	1627	4347	303	51.4	95.5	9.2	33.4	3.7	6.9	0.7	3.8	0.6	100.3	3.27	100.9	7.3
KGKRC110	44.00	45.00	4898	9036	856	2380	169	28.7	56.8	5.5	17.7	2.4	3.5	0.3	2.2	0.2	57.4	1.75	64.7	19.8
KGKRC110	45.00	46.00	4730	9050	928	2635	193	32.4	56.9	5.2	14.5	1.5	2.3	0.2	1.1	0.1	36.1	1.77	56.3	23.0
KGKRC110	46.00	47.00	7090	13543	1358	3888	257	42.7	74.5	5.8	15.6	1.6	2.1	0.5	1.1	0.1	40.5	2.63	61.9	5.4
KGKRC110	47.00	48.00	8554	15931	1588	4710	368	63.2	115.0	10.2	32.6	3.6	5.2	0.6	3.0	0.3	87.4	3.15	137.6	8.0
KGKRC110	48.00	49.00	6535	13162	1380	4346	357	62.4	111.0	8.6	24.2	2.4	4.1	0.3	1.3	0.2	60.6	2.61	128.5	10.5
KGKRC110	49.00	50.00	7132	13560	1376	4107	288	51.6	93.8	8.7	24.0	2.4	3.5	0.3	2.0	0.2	60.2	2.67	137.2	2.9
KGKRC110	50.00	51.00	12895	24136	2305	6654	438	72.3	129.2	12.1	40.4	4.9	7.9	0.8	5.4	0.6	134.1	4.68	122.5	7.3
KGKRC110	51.00	52.00	9025	17247	1713	4901	342	57.8	106.5	10.0	37.0	4.8	8.6	0.9	5.1	0.8	144.3	3.36	102.5	3.4
KGKRC110	52.00	53.00	11179	21056	2086	6156	416	69.8	132.8	11.9	40.5	5.2	8.2	0.8	4.6	0.6	135.0	4.13	128.3	5.0
KGKRC110	53.00	54.00	8173	15097	1451	4207	290	51.9	97.0	10.4	40.7	5.8	11.6	1.4	8.5	1.3	177.2	2.96	104.5	2.8
KGKRC110	54.00	55.00	16852	31040	2986	8649	547	95.2	184.8	18.1	73.3	9.9	19.3	1.9	10.0	1.4	311.4	6.08	179.1	3.7
KGKRC110	55.00	56.00	9875	18701	1837	5354	364	62.2	119.8	11.1	40.2	5.2	9.8	1.0	6.9	0.8	162.3	3.65	133.9	2.3
KGKRC110	56.00	57.00	9354	17124	1674	4699	313	54.9	106.9	10.5	39.9	4.9	10.1	0.9	5.4	0.9	149.6	3.35	114.1	2.4
KGKRC110	57.00	58.00	5395	10145	995	2873	198	34.7	69.2	7.5	28.2	4.0	8.5	0.9	4.9	0.8	119.6	1.99	84.0	2.0
KGKRC110	58.00	59.00	2780	5196	503	1487	115	22.0	45.8	5.1	24.3	3.9	8.6	1.1	7.0	1.1	130.9	1.03	46.8	1.9
KGKRC110	59.00	60.00	4398	10745	1283	4351	392	65.0	109.9	8.4	25.5	3.6	6.5	0.8	3.6	0.6	96.0	2.15	94.4	2.6
KGKRC110	60.00	61.00	16145	30958	3067	8997	599	104.7	193.7	17.5	66.7	8.5	15.3	1.6	8.4	1.3	257.4	6.04	194.9	4.2
KGKRC110	61.00	62.00	17726	32686	3212	9218	582	99.7	178.6	17.1	61.5	7.8	13.8	1.4	7.2	1.0	232.5	6.40	189.5	4.2
KGKRC110	62.00	63.00	13045	24217	2346	6842	449	80.9	155.0	14.1	49.4	6.0	11.2	0.9	5.1	0.7	174.6	4.74	201.3	4.0
KGKRC110	63.00	64.00	3716	7213	732	2229	182	36.7	83.8	10.4	51.5	8.7	19.6	2.5	13.7	2.1	259.6	1.46	108.9	11.7
KGKRC110	64.00	65.00	11666	23878	2528	7987	607	104.7	179.4	13.4	40.3	4.5	7.1	0.7	3.3	0.5	120.0	4.71	158.0	4.1
KGKRC110	65.00	66.00	13057	20847	1874	5037	320	52.3	95.0	8.2	26.3	3.7	5.3	0.5	2.9	0.3	89.0	4.14	81.5	3.8
KGKRC110	66.00	67.00	8997	15051	1427	4057	265	43.1	80.3	7.2	22.3	2.5	4.6	0.5	2.1	0.2	68.1	3.00	77.9	7.6
KGKRC110	67.00	68.00	12626	19937	1785	4754	272	44.9	82.6	7.3	21.9	2.4	4.1	0.3	1.9	0.3	63.8	3.96	76.5	4.7
KGKRC110	68.00	69.00	7905	13383	1254	3521	219	36.5	62.1	4.9	14.0	1.4	2.4	0.2	0.8	0.1	37.6	2.64	49.0	3.5
KGKRC110	69.00	70.00	9413	14004	1199	3158	181	31.3	62.0	5.3	17.0	1.8	2.1	0.2	0.8	0.1	46.7	2.81	56.5	3.0
KGKRC110	70.00	71.00	8359	12491	1063	2782	193	34.5	65.8	5.9	17.6	1.8	2.4	0.2	1.3	0.2	45.6	2.51	67.2	3.0
KGKRC110	71.00	72.00	8781	12503	1016	2569	149	26.3	47.9	4.6	14.4	1.6	2.4	0.3	0.8	0.1	41.0	2.52	50.6	2.3
KGKRC110	72.00	73.00	8413	12612	1094	2885	172	28.3	53.3	4.8	15.7	1.8	2.6	0.2	1.3	0.2	46.4	2.53	47.9	2.0

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC110	73.00	74.00	9259	14417	1246	3318	198	32.4	60.6	5.5	15.7	1.6	2.9	0.3	0.9	0.2	43.9	2.86	54.2	3.0
KGKRC110	74.00	75.00	8114	14473	1408	3938	250	39.0	70.2	5.3	14.2	1.5	2.3	0.2	1.1	0.2	36.6	2.84	51.9	7.6
KGKRC110	75.00	76.00	4202	8272	842	2485	154	25.2	42.9	3.5	12.1	1.4	1.9	0.2	1.2	0.1	33.9	1.61	38.7	14.8
KGKRC110	76.00	77.00	5349	10126	1018	2909	175	25.9	42.5	3.5	9.9	1.2	1.7	0.1	1.0	0.2	28.7	1.97	30.9	10.6
KGKRC110	77.00	78.00	4224	7926	782	2277	140	22.7	41.0	3.7	10.8	1.4	2.3	0.2	1.5	0.1	30.4	1.55	38.6	19.8
KGKRC110	78.00	79.00	6146	12497	1280	3854	280	46.1	83.6	7.4	25.9	3.4	5.8	0.7	3.4	0.6	88.6	2.43	76.5	5.8
KGKRC110	79.00	80.00	6022	10933	1064	2960	181	30.7	56.9	4.8	14.4	1.6	2.7	0.2	1.4	0.2	36.8	2.13	64.7	6.1
KGKRC111	0.00	1.00	1909	3619	382	1264	120	28.0	60.5	7.2	31.5	5.2	11.0	1.4	7.5	1.0	144.1	0.76	47.2	6.8
KGKRC111	1.00	2.00	3060	5715	590	1856	164	32.2	65.3	6.1	23.9	3.9	7.8	0.8	5.4	0.8	92.7	1.16	44.7	14.4
KGKRC111	2.00	3.00	1989	3772	385	1227	101	18.2	35.0	2.9	9.3	1.2	1.9	0.3	1.2	0.2	29.2	0.76	21.1	3.3
KGKRC111	3.00	4.00	1378	2769	296	963	91	15.8	28.7	2.1	7.2	0.9	1.9	0.2	1.3	0.2	25.4	0.56	17.1	1.7
KGKRC111	4.00	5.00	1726	3432	373	1247	142	32.5	75.9	8.1	37.1	5.8	12.8	1.5	8.0	1.1	166.0	0.73	38.3	8.9
KGKRC111	5.00	6.00	2356	4851	523	1725	174	35.4	79.7	7.8	30.1	4.6	8.9	1.3	7.4	0.9	119.5	0.99	48.5	13.3
KGKRC111	6.00	7.00	1435	3042	351	1248	146	32.5	78.9	9.1	41.6	6.5	14.6	1.6	10.3	1.5	193.0	0.66	87.2	16.4
KGKRC111	7.00	8.00	1294	2904	340	1233	146	30.8	67.7	6.8	27.2	4.1	9.7	1.0	6.9	1.0	119.9	0.62	64.3	13.0
KGKRC111	8.00	9.00	940	2070	238	815	90	18.2	42.2	4.2	18.1	2.5	6.0	0.6	4.0	0.6	72.9	0.43	29.7	7.9
KGKRC111	9.00	10.00	1126	2436	275	936	104	22.4	50.7	5.1	23.1	3.1	6.3	0.7	4.6	0.6	85.1	0.51	35.4	11.2
KGKRC111	10.00	11.00	1307	2804	310	1050	99	19.7	39.1	3.8	14.4	2.2	4.6	0.6	3.6	0.5	54.7	0.57	21.3	5.3
KGKRC111	11.00	12.00	1539	3317	366	1190	98	16.4	27.3	1.9	6.0	0.8	1.5	0.2	1.0	0.1	16.9	0.66	13.3	0.6
KGKRC111	12.00	13.00	1115	2518	291	1001	90	15.9	27.2	1.8	5.6	0.6	1.5	0.2	0.7	0.1	16.3	0.51	13.5	0.3
KGKRC111	13.00	14.00	1110	2466	281	969	88	14.5	26.3	1.7	4.4	0.6	1.3	-0.1	0.7	0.1	15.1	0.50	13.2	0.4
KGKRC111	14.00	15.00	1348	2939	320	1072	98	16.6	31.8	2.5	5.6	0.7	1.7	0.2	0.7	0.1	17.8	0.59	19.3	0.5
KGKRC111	15.00	16.00	2712	5465	584	1883	155	26.9	45.0	2.9	8.3	0.8	1.5	0.2	0.6	0.1	20.2	1.09	22.8	1.1
KGKRC111	16.00	17.00	2298	4884	525	1725	149	25.2	47.4	3.1	8.5	0.8	1.4	0.2	0.5	0.1	19.4	0.97	22.1	0.8
KGKRC111	17.00	18.00	1704	3778	425	1424	125	22.7	38.2	2.6	6.5	0.7	1.5	-0.1	0.9	-0.1	17.8	0.75	19.9	0.4
KGKRC111	18.00	19.00	1379	3156	354	1209	107	17.7	31.0	2.1	5.7	0.6	0.9	0.2	0.9	0.2	16.0	0.63	17.6	0.4
KGKRC111	19.00	20.00	1967	4494	499	1690	150	26.1	43.2	3.1	9.1	0.9	1.5	0.2	1.0	0.1	19.9	0.89	29.3	0.2
KGKRC111	20.00	21.00	1600	3474	376	1222	99	16.1	27.8	2.0	5.9	0.7	1.3	0.2	0.9	0.2	16.6	0.68	15.1	0.3
KGKRC111	21.00	22.00	2264	5060	555	1831	140	21.5	37.0	2.1	5.9	0.8	1.1	-0.1	0.7	-0.1	15.1	0.99	17.5	0.1
KGKRC111	22.00	23.00	4593	9940	1087	3479	266	44.0	72.0	4.5	11.0	1.4	1.9	0.2	0.9	0.2	25.4	1.95	35.9	0.4
KGKRC111	23.00	24.00	6131	11986	1243	3710	273	43.5	77.3	5.3	15.4	1.7	3.1	0.2	1.4	0.2	37.1	2.35	44.7	0.8
KGKRC111	24.00	25.00	5529	11404	1228	3845	306	48.6	80.6	5.4	13.5	1.5	2.7	0.2	1.4	0.2	34.4	2.25	41.5	0.2
KGKRC111	25.00	26.00	4959	10519	1128	3577	274	44.9	71.1	4.6	10.7	1.0	1.6	0.1	1.1	0.1	23.2	2.06	33.7	0.2
KGKRC111	26.00	27.00	3274	6957	738	2283	173	28.0	45.8	3.1	7.5	0.8	1.5	-0.1	0.7	0.1	18.4	1.35	22.5	0.1
KGKRC111	27.00	28.00	4509	9429	970	2987	205	33.0	50.6	3.3	7.7	0.9	1.6	0.2	0.6	0.1	20.8	1.82	26.6	0.3
KGKRC111	28.00	29.00	3213	6793	740	2364	184	29.5	48.7	3.1	8.2	0.8	1.1	-0.1	0.3	-0.1	16.3	1.34	23.0	0.2
KGKRC111	29.00	30.00	5583	11793	1293	4028	290	45.6	72.9	4.6	11.9	1.4	1.8	-0.1	1.0	0.1	26.9	2.32	32.0	0.5
KGKRC111	30.00	31.00	6067	12207	1332	3991	291	44.8	70.3	4.5	10.8	1.2	1.8	0.2	0.9	-0.1	22.0	2.40	31.3	0.1
KGKRC111	31.00	32.00	3175	6587	730	2250	167	25.8	41.8	2.7	7.0	0.7	1.1	0.1	0.8	-0.1	15.2	1.30	16.5	0.1
KGKRC111	32.00	33.00	3860	7968	909	2801	220	33.6	50.9	3.3	8.3	0.9	1.5	0.1	0.7	-0.1	17.1	1.59	21.3	0.2
KGKRC111	33.00	34.00	3661	7671	865	2695	220	35.1	56.3	3.7	9.5	0.9	1.5	0.2	0.6	-0.1	21.5	1.52	28.4	0.2
KGKRC111	34.00	35.00	2033	4337	495	1558	134	23.0	41.6	3.2	8.4	1.0	1.4	0.1	1.1	0.1	20.7	0.87	29.1	0.2
KGKRC111	35.00	36.00	13044	23224	2391	6956	479	76.9	123.7	8.8	21.0	2.2	2.7	0.3	1.7	0.2	43.2	4.64	62.9	0.2
KGKRC111	36.00	37.00	10099	18869	1991	5911	422	65.8	105.2	7.3	18.4	1.8	2.6	0.5	1.6	0.2	39.0	3.75	51.5	1.2
KGKRC111	37.00	38.00	5407	11100	1243	3740	274	42.8	68.1	4.1	9.8	0.9	1.6	0.1	1.1	0.1	19.7	2.19	26.3	0.3

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC111	38.00	39.00	6918	13905	1554	4773	348	53.4	82.1	5.4	12.2	1.2	1.8	0.1	1.3	0.2	25.0	2.77	33.5	0.1
KGKRC111	39.00	40.00	7194	14695	1622	4971	357	54.2	84.2	5.3	11.9	1.2	2.1	0.2	1.4	0.1	24.3	2.90	32.2	0.7
KGKRC111	40.00	41.00	5678	11951	1366	4232	321	49.9	74.6	4.4	9.1	0.9	1.5	0.2	1.0	0.1	19.7	2.37	28.0	0.4
KGKRC111	41.00	42.00	2034	4345	505	1644	157	29.1	57.7	4.9	18.9	2.5	5.5	0.7	3.3	0.5	66.8	0.89	17.1	3.0
KGKRC111	42.00	43.00	1039	2164	248	833	100	21.2	51.9	5.8	22.5	3.6	7.8	1.0	4.5	0.7	95.6	0.46	29.2	8.3
KGKRC111	43.00	44.00	1230	2544	291	964	113	24.3	61.0	6.2	25.5	3.7	7.9	1.0	4.9	0.7	100.2	0.54	36.7	7.4
KGKRC111	44.00	45.00	1648	3456	393	1243	112	21.2	44.3	3.9	16.6	2.2	4.7	0.6	2.9	0.3	55.2	0.70	19.5	3.8
KGKRC111	45.00	46.00	755	1635	190	606	50	8.7	15.4	1.2	3.7	0.6	1.1	0.1	1.0	0.1	12.8	0.33	9.9	0.4
KGKRC111	46.00	47.00	4600	9089	972	2866	205	32.2	52.5	3.5	7.5	0.8	1.3	0.1	1.0	-0.1	21.0	1.79	28.9	0.3
KGKRC111	47.00	48.00	8389	16207	1746	5194	367	57.6	89.1	6.1	13.3	1.4	1.6	0.2	0.5	0.1	25.4	3.21	42.7	0.1
KGKRC111	48.00	49.00	6426	12839	1398	4245	313	48.4	79.1	5.1	10.9	1.0	1.8	0.2	0.9	0.1	24.1	2.54	34.1	0.1
KGKRC111	49.00	50.00	1716	3642	413	1328	104	17.0	31.8	2.5	8.0	1.2	2.5	0.2	1.6	0.1	28.7	0.73	11.7	1.3
KGKRC111	50.00	51.00	1968	3719	399	1247	121	23.7	53.7	5.1	21.7	2.8	5.6	0.8	4.3	0.6	77.3	0.76	28.4	4.0
KGKRC111	51.00	52.00	3869	7876	873	2577	183	28.6	45.5	3.1	8.5	0.9	1.4	0.2	1.6	0.2	21.0	1.55	18.5	1.4
KGKRC111	52.00	53.00	9730	19383	2113	6334	446	67.6	106.2	6.8	14.2	1.4	2.3	0.2	1.6	0.2	30.4	3.82	46.1	0.6
KGKRC111	53.00	54.00	7100	14339	1589	4848	356	55.2	85.6	5.5	12.7	1.4	2.4	0.2	1.3	0.2	31.4	2.84	37.7	0.3
KGKRC111	54.00	55.00	7827	15171	1638	4913	367	62.0	100.0	6.2	14.7	1.5	2.9	0.3	2.1	0.2	34.0	3.01	49.9	1.0
KGKRC111	55.00	56.00	2171	4551	514	1605	133	22.1	36.7	2.6	7.7	0.9	2.1	0.2	1.5	0.2	22.7	0.91	14.7	1.0
KGKRC111	56.00	57.00	4176	8905	1027	3212	268	44.2	74.4	4.6	11.5	1.3	1.9	0.2	1.3	0.1	23.4	1.78	33.3	0.2
KGKRC111	57.00	58.00	3481	7309	833	2568	208	32.0	51.6	3.2	7.5	0.8	1.4	0.1	0.7	0.1	16.6	1.45	21.4	0.3
KGKRC111	58.00	59.00	3524	7383	824	2533	209	32.5	54.9	3.5	9.8	1.0	1.7	0.2	1.0	0.2	21.0	1.46	24.0	-0.1
KGKRC111	59.00	60.00	4258	8528	935	2862	223	34.9	58.7	3.9	9.5	0.9	1.8	0.2	0.9	-0.1	20.5	1.69	23.7	0.2
KGKRC111	60.00	61.00	5616	11847	1337	4067	302	47.9	72.7	4.7	11.7	1.2	2.2	0.2	0.8	0.2	25.0	2.33	27.5	-0.1
KGKRC111	61.00	62.00	3110	6474	734	2263	182	28.3	45.5	2.6	6.8	0.7	0.9	-0.1	0.8	-0.1	13.7	1.29	18.5	-0.1
KGKRC111	62.00	63.00	2043	4337	492	1557	126	20.6	31.0	2.1	5.2	0.6	0.8	-0.1	0.8	-0.1	12.1	0.86	14.2	-0.1
KGKRC111	63.00	64.00	4305	8839	972	2923	214	33.2	51.3	3.2	7.1	0.6	1.4	-0.1	1.0	0.1	15.9	1.74	21.6	0.1
KGKRC111	64.00	65.00	6193	11666	1212	3409	242	36.8	59.5	4.0	9.1	1.0	1.6	0.1	0.9	-0.1	21.0	2.29	29.1	0.1
KGKRC111	65.00	66.00	5973	10815	1111	3101	217	34.5	55.8	3.8	10.0	1.2	1.8	0.3	1.4	0.2	24.1	2.14	27.0	0.7
KGKRC111	66.00	67.00	10600	19079	1941	5659	394	61.3	99.0	6.6	17.2	1.7	3.0	0.3	2.4	0.2	37.8	3.79	48.4	1.9
KGKRC111	67.00	68.00	12360	22226	2254	6360	425	64.4	99.5	6.8	16.9	2.0	3.0	0.2	1.7	0.2	37.7	4.39	53.4	3.8
KGKRC111	68.00	69.00	3716	6813	721	2072	160	27.6	49.3	4.1	12.6	1.7	3.3	0.5	2.2	0.3	43.3	1.36	24.6	5.2
KGKRC111	69.00	70.00	12039	22429	2308	6682	442	69.9	117.0	8.1	18.5	2.0	3.2	0.3	1.6	0.2	42.0	4.42	70.1	6.1
KGKRC111	70.00	71.00	3950	7311	773	2285	180	31.0	53.1	3.4	9.2	1.0	1.7	0.2	0.7	0.1	22.1	1.46	25.0	1.7
KGKRC111	71.00	72.00	7469	14364	1556	4663	372	58.6	99.5	6.2	14.0	1.4	2.4	0.2	1.3	0.1	30.0	2.86	47.5	0.4
KGKRC111	72.00	73.00	4831	9455	1040	3151	257	42.2	73.8	4.5	11.5	1.3	2.1	0.2	0.9	0.2	25.3	1.89	30.3	1.3
KGKRC111	73.00	74.00	3239	6429	702	2212	195	33.5	60.6	4.1	10.3	1.2	1.9	0.2	1.3	0.1	24.9	1.29	34.6	0.6
KGKRC111	74.00	75.00	1793	3616	419	1356	132	24.7	50.2	3.8	13.0	1.8	3.8	0.5	2.1	0.3	45.2	0.75	28.0	1.6
KGKRC111	75.00	76.00	1189	2402	275	899	100	21.5	49.2	4.9	19.6	3.0	5.8	0.7	3.9	0.5	75.6	0.50	32.1	3.9
KGKRC111	76.00	77.00	905	1931	219	754	81	17.3	36.9	3.2	12.2	1.6	3.8	0.6	2.5	0.3	47.6	0.40	13.8	3.4
KGKRC111	77.00	78.00	1849	3768	416	1389	138	26.5	46.9	3.7	12.3	1.7	3.0	0.3	2.3	0.3	37.5	0.77	22.9	7.1
KGKRC111	78.00	79.00	7274	14614	1558	4822	349	54.5	90.3	5.7	13.2	1.4	2.1	0.3	1.7	0.1	28.7	2.88	43.5	2.4
KGKRC111	79.00	80.00	6082	12944	1455	4625	369	58.1	92.9	5.9	13.3	1.4	2.6	0.2	1.2	0.2	32.0	2.57	38.6	2.4
KGKRC112	0.00	1.00	6317	11029	1093	3120	207	33.0	57.7	4.6	11.7	1.3	1.7	0.2	1.0	0.1	28.3	2.19	45.0	7.2
KGKRC112	1.00	2.00	11731	20381	1983	5721	363	57.6	97.3	7.3	19.3	1.7	2.6	0.2	0.7	-0.1	40.3	4.04	66.5	5.1
KGKRC112	2.00	3.00	11180	20121	1992	5831	381	61.1	103.1	8.1	20.9	2.0	2.5	0.2	0.9	0.1	41.1	3.97	77.3	1.6

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC112	3.00	4.00	11370	21916	2291	6864	464	69.2	114.5	8.5	20.1	1.8	2.2	0.2	0.9	0.2	40.5	4.32	80.3	1.3
KGKRC112	4.00	5.00	11032	20819	2176	6518	425	67.2	117.7	8.6	23.5	2.4	3.2	0.3	1.5	0.2	51.9	4.12	82.3	2.4
KGKRC112	5.00	6.00	20420	41338	4436	13586	896	139.4	236.0	18.2	49.2	4.8	7.7	0.7	3.4	0.5	118.6	8.13	154.6	4.1
KGKRC112	6.00	7.00	20662	41774	4561	13853	900	131.9	207.9	13.6	32.4	3.4	4.8	0.5	2.2	0.2	68.7	8.22	110.8	2.2
KGKRC112	7.00	8.00	18974	38080	4076	12287	795	117.2	179.5	11.3	23.0	2.3	2.7	0.2	1.1	0.1	44.3	7.46	93.0	0.8
KGKRC112	8.00	9.00	14932	29119	3032	9106	580	85.9	138.7	8.9	18.5	1.7	2.4	0.2	1.2	-0.1	36.5	5.71	75.1	0.9
KGKRC112	9.00	10.00	4519	8570	880	2557	176	28.7	48.2	3.4	9.4	1.0	2.1	0.1	0.8	0.1	23.4	1.68	26.0	0.3
KGKRC112	10.00	11.00	8037	15417	1570	4609	295	47.0	74.2	5.3	11.6	1.2	1.7	-0.1	0.9	-0.1	24.4	3.01	39.6	0.4
KGKRC112	11.00	12.00	8553	16140	1632	4822	303	46.7	77.2	5.2	11.7	1.2	1.7	0.1	0.7	-0.1	22.1	3.16	41.5	0.4
KGKRC112	12.00	13.00	10205	19522	2051	6067	384	59.6	97.2	6.4	14.7	1.3	2.2	0.2	1.2	0.1	29.8	3.84	51.9	0.5
KGKRC112	13.00	14.00	6755	13037	1362	4008	275	42.2	70.6	5.3	14.2	1.4	2.2	0.1	0.7	-0.1	31.6	2.56	48.3	3.3
KGKRC112	14.00	15.00	10536	19987	2061	6036	400	61.7	101.0	8.0	21.4	2.0	2.6	0.2	0.5	0.1	41.5	3.93	77.5	1.3
KGKRC112	15.00	16.00	12021	22883	2388	7130	455	69.7	112.5	8.2	19.6	2.0	2.6	0.2	0.9	0.2	44.1	4.51	71.8	1.5
KGKRC112	16.00	17.00	12315	24375	2551	7583	492	72.5	112.9	7.8	19.3	1.8	3.1	0.2	1.3	0.1	44.2	4.76	62.7	1.1
KGKRC112	17.00	18.00	12381	22691	2296	6730	442	68.4	107.9	7.7	16.9	1.8	2.6	0.2	0.8	0.2	40.1	4.48	60.0	1.1
KGKRC112	18.00	19.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	19.00	20.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	20.00	21.00	16365	30996	3183	9427	608	95.3	152.2	11.1	29.2	2.8	4.1	0.3	2.1	0.2	61.7	6.09	94.6	2.3
KGKRC112	21.00	22.00	13568	23268	2280	6565	418	66.6	113.5	9.2	24.9	2.5	3.3	0.3	1.2	0.2	54.7	4.64	87.6	1.5
KGKRC112	22.00	23.00	8548	14769	1443	4074	271	42.5	74.3	6.2	18.0	2.0	2.6	0.2	1.3	0.1	42.2	2.93	56.2	3.2
KGKRC112	23.00	24.00	8890	15737	1537	4397	285	45.4	80.4	6.8	19.1	2.0	3.0	0.3	1.0	0.2	45.6	3.11	60.5	3.8
KGKRC112	24.00	25.00	5297	9768	987	2890	196	30.8	55.5	4.7	14.4	1.4	1.8	0.2	0.7	0.1	34.0	1.93	51.9	5.1
KGKRC112	25.00	26.00	2692	5178	533	1611	111	17.8	29.5	2.2	8.6	1.0	1.4	0.2	0.9	0.1	22.0	1.02	19.3	4.2
KGKRC112	26.00	27.00	8496	14445	1398	3945	257	41.2	69.4	4.9	13.4	1.5	2.4	0.2	1.4	0.1	31.8	2.87	39.3	3.1
KGKRC112	27.00	28.00	11048	18629	1791	5043	320	51.1	81.6	5.5	13.1	1.4	2.1	0.2	1.3	0.1	29.2	3.70	45.8	2.6
KGKRC112	28.00	29.00	11895	18787	1745	4787	294	47.9	80.5	5.9	13.7	1.4	2.1	0.1	1.0	0.1	29.3	3.77	45.0	1.6
KGKRC112	29.00	30.00	11809	20071	1922	5422	343	54.4	92.8	6.4	16.6	1.7	2.3	0.1	1.5	0.2	38.1	3.98	51.1	2.0
KGKRC112	30.00	31.00	8727	15383	1529	4405	284	44.8	76.7	5.4	13.1	1.3	1.9	0.1	0.8	-0.1	27.2	3.05	46.2	3.4
KGKRC112	31.00	32.00	6937	11969	1192	3431	246	41.7	77.9	7.2	19.7	2.2	2.6	0.3	2.4	0.2	44.2	2.40	72.6	3.7
KGKRC112	32.00	33.00	9139	16068	1583	4572	297	47.4	80.5	6.0	14.9	1.6	2.7	0.2	1.0	0.1	34.5	3.18	47.9	3.3
KGKRC112	33.00	34.00	13132	23491	2358	6999	500	85.7	148.5	11.1	26.1	2.5	4.2	0.3	1.6	0.2	57.7	4.68	113.3	1.7
KGKRC112	34.00	35.00	10376	19907	2049	6136	391	62.1	107.4	7.8	21.9	2.1	3.4	0.3	1.6	0.2	49.3	3.91	68.4	1.6
KGKRC112	35.00	36.00	11572	20974	2150	6348	443	73.0	120.6	8.6	21.6	2.2	3.2	0.3	2.2	0.2	45.2	4.18	68.7	1.2
KGKRC112	36.00	37.00	10494	19794	2020	6073	392	61.8	102.0	7.2	18.4	1.7	3.0	0.2	1.1	0.2	38.6	3.90	56.7	2.1
KGKRC112	37.00	38.00	13110	24118	2500	7254	459	70.9	114.8	7.7	17.6	1.7	2.3	0.1	0.7	0.2	34.8	4.77	59.1	2.4
KGKRC112	38.00	39.00	11898	22358	2299	6770	424	65.4	102.1	6.9	15.5	1.6	2.4	0.2	1.2	0.1	33.7	4.40	61.3	2.8
KGKRC112	39.00	40.00	17178	32195	3295	9563	592	89.4	146.0	9.5	22.6	2.0	3.0	0.2	1.4	0.1	43.4	6.31	81.4	3.4
KGKRC112	40.00	41.00	13140	23152	2272	6483	406	65.8	109.7	8.4	25.0	2.5	3.4	0.5	2.0	0.3	57.7	4.57	76.0	9.3
KGKRC112	41.00	42.00	7803	14112	1400	3912	252	38.8	67.9	4.9	13.4	1.4	2.3	0.3	1.2	0.2	36.5	2.76	47.0	8.0
KGKRC112	42.00	43.00	4876	8727	878	2535	167	27.1	46.0	3.4	9.1	1.0	1.7	0.1	1.4	0.2	24.8	1.73	39.8	6.1
KGKRC112	43.00	44.00	6654	11869	1175	3333	217	35.4	63.0	4.7	14.8	1.6	2.9	0.3	2.2	0.3	40.3	2.34	51.4	12.5
KGKRC112	44.00	45.00	12876	22775	2257	6502	408	62.5	109.6	7.8	20.5	2.2	3.4	0.5	1.6	0.2	49.3	4.51	61.9	6.4
KGKRC112	45.00	46.00	9346	15173	1416	3901	241	37.5	64.4	4.9	12.5	1.3	2.5	0.2	0.7	0.1	32.0	3.02	39.7	4.7
KGKRC112	46.00	47.00	6522	12102	1228	3545	230	35.0	58.6	4.0	10.9	1.2	1.7	0.2	0.8	0.1	28.7	2.38	33.7	8.3
KGKRC112	47.00	48.00	12641	22029	2175	6247	390	61.8	102.3	7.3	18.4	1.8	3.0	0.3	0.9	0.2	43.6	4.37	58.7	5.3



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC112	48.00	49.00	25743	47248	4852	14399	974	153.9	250.1	16.4	35.9	3.3	4.5	0.5	1.7	0.2	66.3	9.37	148.8	1.8
KGKRC112	49.00	50.00	11718	20597	2004	5934	403	64.6	102.6	7.1	15.7	1.5	2.2	0.2	1.2	0.1	33.7	4.09	63.7	1.4
KGKRC112	50.00	51.00	10612	19232	1957	5725	387	62.8	106.2	7.2	18.0	1.8	2.3	0.2	1.2	0.1	35.9	3.81	62.9	1.9
KGKRC112	51.00	52.00	12424	20841	1979	5590	353	54.3	92.7	6.2	16.0	1.6	2.4	0.1	1.3	0.2	33.9	4.14	56.2	2.7
KGKRC112	52.00	53.00	8990	14793	1395	3761	232	36.1	62.3	4.4	11.4	0.9	1.9	0.2	1.2	0.1	26.4	2.93	33.9	4.3
KGKRC112	53.00	54.00	9702	15879	1505	4120	254	40.0	68.8	4.7	12.1	1.4	2.4	0.2	1.1	0.1	31.0	3.16	36.6	3.4
KGKRC112	54.00	55.00	9054	14883	1413	3804	232	37.1	61.9	4.5	12.9	1.5	2.2	0.2	0.9	0.2	32.4	2.95	37.5	3.7
KGKRC112	55.00	56.00	14531	24553	2381	6738	427	67.4	112.9	8.0	20.0	2.2	3.3	0.3	1.6	0.2	47.1	4.89	65.4	4.0
KGKRC112	56.00	57.00	30193	51120	5015	14386	1000	164.0	287.6	19.4	44.7	3.8	5.0	0.3	2.0	0.2	80.9	10.23	161.6	5.0
KGKRC112	57.00	58.00	5017	9576	993	2952	234	41.2	75.1	5.7	17.9	2.0	3.5	0.3	2.1	0.3	48.3	1.90	46.3	8.4
KGKRC112	58.00	59.00	11882	20568	2029	5911	394	64.8	112.9	8.1	22.5	2.4	3.3	0.3	1.4	0.2	48.0	4.10	71.4	4.6
KGKRC112	59.00	60.00	10408	16974	1605	4472	277	44.7	76.5	5.7	14.9	1.7	2.6	0.2	1.8	0.2	35.3	3.39	45.9	4.5
KGKRC112	60.00	61.00	9779	15934	1556	4287	276	44.0	74.5	5.8	16.1	1.6	2.7	0.2	1.0	0.2	37.2	3.20	47.9	4.5
KGKRC112	61.00	62.00	7437	12802	1237	3509	235	38.3	66.9	4.9	13.7	1.6	2.5	0.2	1.0	0.2	35.3	2.54	42.6	5.6
KGKRC112	62.00	63.00	8478	14319	1369	3840	246	39.4	68.6	5.8	16.2	1.7	2.3	0.2	1.1	0.2	41.8	2.84	46.2	4.4
KGKRC112	63.00	64.00	8329	14191	1388	3765	246	40.4	72.4	5.9	14.9	1.5	3.4	0.3	1.4	0.2	41.4	2.81	52.2	4.3
KGKRC112	64.00	65.00	10910	18520	1804	4899	311	48.4	82.1	6.2	16.9	1.7	2.9	0.2	1.3	0.2	40.1	3.66	60.1	4.7
KGKRC112	65.00	66.00	9326	15347	1453	3792	240	38.3	66.8	5.1	12.7	1.3	2.5	0.2	1.1	0.1	34.9	3.03	41.2	4.5
KGKRC112	66.00	67.00	10027	16522	1589	4170	256	39.5	65.6	5.3	14.2	1.4	2.4	0.2	1.1	0.1	34.3	3.27	42.5	4.5
KGKRC112	67.00	68.00	7509	12789	1251	3371	216	36.1	60.5	4.8	12.1	1.3	2.6	0.2	1.3	0.1	32.4	2.53	39.6	8.8
KGKRC112	68.00	69.00	7730	13121	1248	3374	231	40.4	73.2	6.8	18.4	2.1	3.8	0.3	1.8	0.2	55.6	2.59	63.5	5.8
KGKRC112	69.00	70.00	8429	13977	1351	3615	243	41.2	74.3	5.8	16.2	1.6	2.5	0.2	1.6	0.1	40.0	2.78	55.0	4.7
KGKRC112	70.00	71.00	8727	14529	1413	3770	236	39.0	67.7	4.9	12.1	1.3	2.5	0.2	1.2	0.1	31.9	2.88	43.9	5.7
KGKRC112	71.00	72.00	8750	14863	1453	3848	240	38.9	61.6	4.9	12.2	1.2	2.2	0.2	1.0	0.1	30.9	2.93	41.2	4.9
KGKRC112	72.00	73.00	10056	17397	1723	4668	313	52.1	96.6	8.2	21.6	1.8	3.1	0.3	1.4	0.2	49.2	3.44	102.0	4.4
KGKRC112	73.00	74.00	14119	24124	2313	6183	377	61.7	108.8	9.2	25.0	2.2	4.1	0.5	1.7	0.2	59.8	4.74	90.3	4.8
KGKRC112	74.00	75.00	4962	8968	908	2535	184	31.8	56.1	4.6	13.1	1.7	3.0	0.3	1.8	0.2	42.2	1.77	36.0	6.4
KGKRC112	75.00	76.00	2945	5606	612	1868	174	34.4	64.6	5.8	20.5	2.8	6.8	0.8	4.7	0.6	85.1	1.14	41.5	7.2
KGKRC112	76.00	77.00	2799	5242	557	1674	157	31.4	63.9	5.9	21.2	2.9	6.9	0.8	4.1	0.6	83.8	1.06	44.6	6.8
KGKRC112	77.00	78.00	2480	4680	494	1445	129	26.1	52.9	5.1	20.3	3.0	6.8	0.8	4.6	0.6	82.3	0.94	33.6	8.9
KGKRC112	78.00	79.00	2441	4586	488	1444	132	26.5	53.4	5.4	20.7	2.6	5.7	0.8	3.8	0.5	73.2	0.93	33.9	7.5
KGKRC112	79.00	80.00	2296	4275	444	1322	120	24.6	50.7	5.2	20.4	2.8	6.3	0.7	4.0	0.6	78.4	0.87	33.4	7.3
KGKRC112	80.00	81.00	5390	11035	1200	3530	278	48.4	87.3	6.8	18.7	2.3	4.5	0.6	2.8	0.3	58.5	2.17	61.9	6.1
KGKRC112	81.00	82.00	5676	11171	1212	3465	264	44.6	78.0	5.7	15.5	2.0	3.7	0.2	1.9	0.2	44.7	2.20	48.1	5.8
KGKRC112	82.00	83.00	3673	6959	741	2188	178	33.6	62.5	5.4	17.5	2.2	5.0	0.6	2.0	0.3	63.1	1.39	41.2	6.3
KGKRC112	83.00	84.00	3690	6946	741	2176	179	32.1	62.8	4.8	17.3	1.8	4.5	0.5	3.4	0.5	54.7	1.39	34.5	6.5
KGKRC112	84.00	85.00	6142	11997	1282	3713	287	49.6	86.1	6.5	17.8	1.7	3.2	0.2	1.6	0.2	45.7	2.36	55.7	5.3
KGKRC112	85.00	86.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	86.00	87.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	87.00	88.00	3694	6624	676	1943	174	36.1	74.7	7.8	28.7	3.6	9.8	1.0	5.3	0.7	112.4	1.34	37.7	8.8
KGKRC112	88.00	89.00	5695	10145	984	2676	183	31.3	56.0	5.2	13.9	1.6	3.1	0.3	1.6	0.2	42.8	1.98	49.3	5.6
KGKRC112	89.00	90.00	14306	24107	2303	6231	397	64.6	115.3	8.8	25.0	2.5	4.0	0.5	2.0	0.3	67.9	4.76	89.4	5.1
KGKRC112	90.00	91.00	10263	17802	1736	4613	302	52.2	89.3	7.4	20.9	2.2	4.6	0.3	2.2	0.3	67.8	3.50	88.2	3.8
KGKRC112	91.00	92.00	21384	38772	3997	11566	860	142.5	241.4	17.6	47.5	5.3	10.1	1.0	4.7	0.7	153.3	7.72	164.7	7.6
KGKRC112	92.00	93.00	17651	29933	2947	8298	592	100.6	172.8	12.7	34.8	3.8	7.8	0.8	4.0	0.5	115.9	5.99	130.2	4.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC112	93.00	94.00	16276	28209	2804	7845	565	94.1	158.9	11.6	32.6	3.6	7.3	0.9	3.1	0.5	104.1	5.61	126.4	3.6
KGKRC112	94.00	95.00	12035	20991	2088	5625	374	63.3	106.3	8.7	23.6	2.9	5.4	0.6	3.5	0.3	83.6	4.14	91.4	5.2
KGKRC112	95.00	96.00	12063	21158	2063	5737	394	66.6	113.8	9.1	23.2	2.8	4.8	0.6	2.7	0.3	78.9	4.17	100.4	5.2
KGKRC112	96.00	97.00	13910	24301	2457	7032	525	90.8	158.5	12.5	35.5	3.8	7.0	0.7	4.3	0.6	111.6	4.87	126.3	11.7
KGKRC112	97.00	98.00	6510	11457	1149	3162	241	43.4	79.9	6.8	20.9	2.2	4.7	0.6	3.6	0.5	67.9	2.27	68.0	11.0
KGKRC112	98.00	99.00	1862	3655	404	1273	147	33.7	82.2	12.8	66.1	9.9	24.8	2.9	18.9	2.8	318.5	0.79	70.7	23.6
KGKRC112	99.00	100.00	4386	7711	755	2045	140	23.4	44.6	4.0	12.9	1.4	2.7	0.3	1.9	0.2	41.8	1.52	56.4	17.3
KGKRC112	100.00	101.00	4847	8371	796	2109	135	22.5	41.0	3.8	12.2	1.5	3.1	0.3	1.0	0.2	42.5	1.64	46.4	10.1
KGKRC112	101.00	102.00	10502	17890	1717	4552	263	41.7	69.1	5.9	17.2	2.1	4.7	0.5	2.9	0.3	64.5	3.51	44.4	5.8
KGKRC112	102.00	103.00	8923	15049	1452	3807	219	34.5	57.0	4.8	13.0	1.5	2.4	0.3	2.0	0.2	41.1	2.96	36.8	4.6
KGKRC112	103.00	104.00	8267	13854	1338	3509	222	36.4	63.4	6.2	18.0	1.8	3.2	0.2	1.6	0.1	45.5	2.74	59.9	4.6
KGKRC112	104.00	105.00	5762	10002	990	2685	185	31.4	58.4	5.2	14.8	1.5	2.7	0.2	1.3	0.2	39.8	1.98	58.3	5.5
KGKRC112	105.00	106.00	4305	7900	815	2263	159	28.4	51.3	4.5	13.4	1.3	2.5	0.2	1.2	0.1	34.2	1.56	52.9	4.1
KGKRC112	106.00	107.00	7038	13023	1324	3653	244	43.0	74.7	5.7	14.8	1.5	2.5	0.2	1.2	0.2	39.2	2.55	77.4	1.9
KGKRC112	107.00	108.00	5768	10603	1069	2940	209	37.2	68.7	5.9	16.0	1.8	3.0	0.3	1.7	0.1	45.7	2.08	77.8	3.6
KGKRC112	108.00	109.00	3444	6176	612	1681	118	21.5	44.2	4.9	16.3	1.7	3.5	0.3	1.8	0.2	48.3	1.22	56.2	1.6
KGKRC112	109.00	110.00	4385	8056	832	2315	172	30.2	57.0	5.1	15.8	1.6	2.7	0.2	1.6	0.2	43.7	1.59	60.7	1.7
KGKRC112	110.00	111.00	3732	6943	719	2080	166	29.4	57.0	5.1	16.5	1.5	2.6	0.3	1.7	0.2	41.5	1.38	61.2	1.9
KGKRC112	111.00	112.00	6558	12567	1243	3772	280	52.8	107.8	11.3	33.9	3.4	5.4	0.5	2.4	0.3	80.3	2.47	125.8	4.1
KGKRC112	112.00	113.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	113.00	114.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	114.00	115.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC112	115.00	116.00	11363	19722	1830	5149	306	54.0	100.2	10.5	33.7	3.8	6.2	0.7	3.2	0.3	92.7	3.87	104.3	3.2
KGKRC112	116.00	117.00	10008	17544	1586	4516	266	45.9	86.7	8.9	28.4	3.0	5.0	0.3	2.1	0.2	77.5	3.42	96.4	2.9
KGKRC112	117.00	118.00	8784	15149	1410	3913	241	40.0	78.7	7.7	22.8	2.2	3.8	0.3	1.4	0.2	56.4	2.97	91.6	2.3
KGKRC112	118.00	119.00	8222	14430	1335	3784	242	43.0	83.0	8.4	25.3	2.3	3.7	0.3	1.2	0.2	60.5	2.82	121.5	3.4
KGKRC112	119.00	120.00	11449	19968	1847	5320	326	54.1	102.4	10.0	28.6	2.8	4.6	0.3	2.1	0.2	74.2	3.92	106.1	3.5
KGKRC112	120.00	121.00	9920	17587	1627	4738	288	50.4	91.5	8.5	25.0	2.4	3.9	0.3	1.9	0.2	64.0	3.44	99.9	4.0
KGKRC112	121.00	122.00	7319	13866	1350	3968	261	43.1	76.3	7.4	20.8	2.2	3.3	0.2	1.6	0.2	56.3	2.70	78.3	4.4
KGKRC112	122.00	123.00	10313	19502	1945	6032	444	76.2	137.3	11.5	30.2	3.0	4.4	0.5	1.4	0.2	72.9	3.86	130.3	2.9
KGKRC112	123.00	124.00	9134	17305	1687	5244	371	64.2	118.7	10.8	28.6	2.5	4.6	0.3	1.7	0.3	70.2	3.40	144.7	3.6
KGKRC112	124.00	125.00	8963	16105	1495	4305	269	46.2	84.2	7.3	19.4	1.8	3.7	0.2	1.0	0.1	49.0	3.14	80.3	3.0
KGKRC112	125.00	126.00	6395	11996	1183	3424	213	34.4	60.1	5.7	16.9	1.6	2.7	0.2	1.2	0.2	40.1	2.34	58.6	4.0
KGKRC112	126.00	127.00	4272	7987	770	2271	148	24.1	44.3	4.0	10.7	1.2	2.3	0.2	1.0	0.1	32.4	1.56	46.1	11.0
KGKRC112	127.00	128.00	7914	14150	1331	3733	237	39.1	72.2	6.2	17.9	2.0	3.3	0.3	1.8	0.1	51.7	2.76	66.4	6.2
KGKRC112	128.00	129.00	5756	10897	1053	3082	196	31.8	59.2	5.8	17.0	1.8	3.1	0.2	1.7	0.3	50.8	2.12	51.9	10.5
KGKRC112	129.00	130.00	11015	20544	1995	5978	387	64.5	110.1	9.6	26.5	2.6	5.2	0.5	2.0	0.2	73.4	4.02	96.6	6.4
KGKRC112	130.00	131.00	8310	15325	1465	4304	279	47.1	80.7	7.1	21.6	2.0	3.7	0.3	0.9	0.2	51.8	2.99	77.5	3.7
KGKRC112	131.00	132.00	9332	17593	1701	5071	318	51.9	96.1	8.5	23.9	2.3	3.8	0.3	1.9	0.1	61.1	3.43	81.9	3.4
KGKRC112	132.00	133.00	4697	8856	859	2498	171	29.4	57.1	5.2	14.8	1.6	2.7	0.3	1.3	0.2	43.1	1.72	63.8	6.4
KGKRC112	133.00	134.00	5695	11296	1136	3476	249	41.1	71.0	5.8	14.8	1.7	2.7	0.2	1.0	0.1	40.9	2.20	81.5	3.9
KGKRC112	134.00	135.00	7293	12834	1204	3431	223	37.2	66.5	5.7	14.5	1.4	2.3	0.3	1.6	0.1	38.7	2.52	64.2	4.8
KGKRC112	135.00	136.00	7277	13419	1284	3701	248	41.6	75.7	6.1	15.6	1.6	2.9	0.3	1.2	0.2	40.8	2.61	77.6	3.6
KGKRC112	136.00	137.00	13108	24392	2344	6771	401	61.3	108.3	8.6	21.5	2.2	4.2	0.3	1.7	0.3	62.2	4.73	80.0	3.2
KGKRC112	137.00	138.00	7775	14495	1403	4065	251	41.5	73.1	5.8	13.7	1.5	2.7	0.2	1.5	0.1	39.1	2.82	70.4	3.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC112	138.00	139.00	5740	10900	1047	3042	191	30.1	55.2	4.7	13.9	1.4	3.0	0.2	1.8	0.2	43.8	2.11	47.6	5.7
KGKRC112	139.00	140.00	7005	13498	1315	3827	246	38.7	66.8	5.5	14.2	1.5	3.1	0.2	1.3	0.2	41.7	2.61	50.6	5.0
KGKRC112	140.00	141.00	5746	10768	1058	3037	195	32.5	55.5	5.2	15.0	1.6	3.0	0.2	1.6	0.2	44.7	2.10	52.9	4.6
KGKRC112	141.00	142.00	10107	18557	1757	5064	309	50.7	90.1	7.8	22.0	2.2	3.5	0.3	2.1	0.2	56.5	3.60	80.9	2.7
KGKRC112	142.00	143.00	9871	18375	1812	5403	332	54.9	93.4	8.0	20.3	2.1	3.8	0.3	2.3	0.2	54.0	3.60	90.0	3.2
KGKRC112	143.00	144.00	8438	15224	1445	4163	263	44.2	83.1	8.0	23.3	2.2	3.9	0.3	2.1	0.3	62.9	2.98	80.5	3.8
KGKRC112	144.00	145.00	10081	18832	1809	5217	292	46.6	79.6	6.1	16.9	1.8	3.2	0.3	1.2	0.2	49.4	3.64	61.4	2.8
KGKRC112	145.00	146.00	10653	20258	1986	5780	332	50.1	84.7	7.1	17.2	2.0	3.7	0.3	1.3	0.2	52.8	3.92	69.7	5.4
KGKRC112	146.00	147.00	7003	13052	1261	3672	226	37.9	72.7	7.4	23.2	2.4	4.0	0.3	1.8	0.3	61.3	2.54	86.2	8.6
KGKRC112	147.00	148.00	7723	14399	1390	4034	264	44.6	77.2	7.7	26.6	3.0	5.7	0.5	3.3	0.3	80.5	2.81	66.9	7.1
KGKRC112	148.00	149.00	14158	22367	1947	5301	319	54.1	94.1	8.5	21.0	2.4	4.6	0.5	2.9	0.3	66.9	4.43	79.9	3.1
KGKRC112	149.00	150.00	13026	19809	1698	4704	290	49.3	86.8	7.2	18.8	1.8	3.9	0.3	2.4	0.3	54.4	3.98	79.8	7.0
KGKRC123	0.00	1.00	16859	31531	3143	9532	611	102.4	173.5	15.2	44.4	5.0	7.4	0.7	3.8	0.6	107.9	6.21	167.4	16.8
KGKRC123	1.00	2.00	10975	21123	2118	6634	460	81.8	152.9	15.1	51.0	5.5	8.1	0.8	5.1	0.7	135.9	4.18	149.2	10.3
KGKRC123	2.00	3.00	4394	9052	952	2991	218	40.0	70.2	6.2	17.0	2.1	2.9	0.2	1.2	0.2	40.4	1.78	99.5	6.6
KGKRC123	3.00	4.00	11207	20740	2042	6117	403	67.3	119.5	9.1	24.7	2.3	3.3	0.3	1.8	0.2	53.0	4.08	113.5	12.0
KGKRC123	4.00	5.00	18928	35895	3534	10656	669	110.7	190.0	15.5	43.5	4.4	5.8	0.5	2.1	0.3	96.3	7.02	200.9	10.2
KGKRC123	5.00	6.00	20869	40646	4055	12152	775	134.0	238.5	21.3	65.5	6.5	10.3	0.9	4.9	0.7	164.5	7.91	240.4	9.4
KGKRC123	6.00	7.00	10221	20745	2150	6872	518	91.8	165.5	13.5	41.9	4.2	6.8	0.7	3.2	0.5	107.3	4.09	165.0	6.2
KGKRC123	7.00	8.00	7551	14361	1430	4249	269	47.4	83.8	6.9	22.6	2.3	3.0	0.3	1.4	0.2	48.0	2.81	90.4	3.6
KGKRC123	8.00	9.00	11859	22119	2120	6303	385	65.0	112.8	10.2	28.4	2.6	4.1	0.5	1.9	0.2	65.0	4.31	140.5	2.2
KGKRC123	9.00	10.00	4229	7812	747	2192	136	22.7	37.5	3.7	9.6	1.0	1.6	0.1	0.8	-0.1	26.2	1.52	37.4	4.4
KGKRC123	10.00	11.00	3415	7003	733	2371	174	30.1	50.6	3.8	11.6	1.0	1.7	0.2	0.9	0.1	27.7	1.38	41.0	4.0
KGKRC123	11.00	12.00	4798	9426	971	3038	238	38.4	66.4	4.8	14.7	1.6	2.2	0.3	1.4	0.1	40.3	1.86	61.6	3.8
KGKRC123	12.00	13.00	8075	14491	1374	3998	242	39.1	65.3	6.0	19.7	2.1	3.3	0.2	1.8	0.2	49.2	2.84	62.9	4.6
KGKRC123	13.00	14.00	6533	12165	1180	3488	227	37.4	61.4	4.9	13.8	1.5	2.4	0.2	1.3	-0.1	33.7	2.37	56.9	6.4
KGKRC123	14.00	15.00	10514	18953	1819	5067	287	46.0	85.3	8.0	24.8	2.4	3.4	0.3	1.0	0.2	54.2	3.69	89.5	1.9
KGKRC123	15.00	16.00	10983	19962	1879	5438	333	55.2	99.4	8.7	25.8	2.6	3.2	0.3	1.6	0.2	57.3	3.88	98.3	2.0
KGKRC123	16.00	17.00	6612	12148	1147	3329	196	33.5	61.7	6.0	18.7	2.0	2.9	0.2	1.6	0.1	46.6	2.36	69.0	3.0
KGKRC123	17.00	18.00	9640	17252	1626	4630	265	41.9	72.6	6.1	18.4	1.8	2.7	0.3	1.5	0.2	47.0	3.36	52.8	5.9
KGKRC123	18.00	19.00	10920	19389	1825	5348	343	58.7	103.3	7.9	23.0	2.3	3.2	0.2	0.9	0.1	47.9	3.81	94.4	4.2
KGKRC123	19.00	20.00	6425	12103	1195	3589	241	40.1	67.7	6.1	18.4	1.8	2.6	0.3	1.2	0.1	41.4	2.37	67.8	7.6
KGKRC123	20.00	21.00	7503	14136	1386	4222	290	47.7	82.6	6.4	18.1	2.0	2.4	0.1	0.9	0.1	41.0	2.77	82.6	5.5
KGKRC123	21.00	22.00	7395	13699	1322	3890	258	43.7	75.7	6.7	19.2	2.0	3.1	0.3	1.1	0.1	45.0	2.68	82.9	4.1
KGKRC123	22.00	23.00	7851	14604	1411	4163	253	43.4	72.8	6.7	20.9	2.1	2.7	0.2	1.4	0.2	46.7	2.85	63.4	5.3
KGKRC123	23.00	24.00	11051	19686	1841	5338	302	48.4	76.8	6.1	16.9	1.7	2.2	0.2	1.7	0.1	36.5	3.84	57.1	7.1
KGKRC123	24.00	25.00	6757	12820	1268	3797	231	36.6	60.0	4.6	13.4	1.5	1.9	0.2	0.8	0.1	31.2	2.50	44.1	9.2
KGKRC123	25.00	26.00	6680	12408	1212	3551	222	38.0	68.8	6.2	18.5	1.8	2.6	0.2	1.3	0.1	44.6	2.43	81.3	2.5
KGKRC123	26.00	27.00	6159	11453	1112	3326	203	34.0	57.4	5.4	16.4	1.7	1.9	0.2	0.8	0.1	33.9	2.24	70.3	3.3
KGKRC123	27.00	28.00	10882	18024	1590	4323	244	41.9	75.7	7.9	26.1	2.5	3.8	0.3	1.9	0.2	59.6	3.53	85.5	2.3
KGKRC123	28.00	29.00	23268	41417	3842	10811	618	102.8	173.5	15.8	45.0	4.4	6.4	0.6	2.7	0.3	103.6	8.04	170.1	5.6
KGKRC123	29.00	30.00	31340	57496	5470	16539	1073	182.0	322.2	26.2	72.7	6.9	9.8	0.8	3.5	0.7	162.9	11.27	359.8	6.3
KGKRC123	30.00	31.00	10476	20014	1966	5942	379	65.8	117.1	10.2	31.0	2.8	4.0	0.6	2.2	0.2	65.8	3.91	126.2	7.6
KGKRC123	31.00	32.00	9269	19336	2030	6605	480	83.3	135.9	11.4	37.4	4.0	6.9	0.7	4.0	0.6	119.1	3.81	123.0	4.8
KGKRC123	32.00	33.00	6835	14878	1629	5258	382	66.0	109.1	8.0	25.1	2.6	4.4	0.5	1.5	0.2	68.6	2.93	83.2	1.4

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC123	33.00	34.00	3912	8015	808	2563	178	30.0	54.4	4.8	16.3	1.6	2.6	0.3	1.5	0.2	41.0	1.56	66.4	9.5
KGKRC123	34.00	35.00	4811	9448	950	2912	186	32.1	54.6	4.2	13.1	1.4	2.2	0.2	1.5	0.2	34.3	1.85	40.7	8.8
KGKRC123	35.00	36.00	8844	16988	1643	4960	314	50.7	82.5	5.9	15.7	1.6	2.1	0.3	1.2	0.1	34.4	3.29	52.4	4.7
KGKRC123	36.00	37.00	7524	14953	1535	4722	319	52.2	85.8	5.9	15.4	1.6	2.5	0.2	1.0	0.1	32.6	2.93	61.8	5.4
KGKRC123	37.00	38.00	3181	6275	629	1946	129	20.5	33.5	2.7	8.2	0.9	1.8	0.1	0.8	-0.1	21.3	1.22	25.3	9.3
KGKRC123	38.00	39.00	4745	9471	978	3116	220	36.2	58.6	4.4	11.0	1.2	2.1	0.2	1.5	0.2	27.8	1.87	40.4	3.8
KGKRC123	39.00	40.00	5431	11070	1140	3554	242	39.5	65.5	4.8	11.8	1.4	2.3	0.3	1.4	0.2	30.6	2.16	53.0	2.8
KGKRC123	40.00	41.00	5449	10702	1078	3240	207	35.0	55.3	4.0	12.2	1.4	1.9	0.2	1.3	0.1	29.3	2.08	34.2	5.2
KGKRC123	41.00	42.00	4839	9244	889	2606	154	25.7	47.0	4.5	12.7	1.5	1.9	0.2	1.0	0.1	29.1	1.79	47.6	7.2
KGKRC123	42.00	43.00	6419	12262	1226	3685	240	40.0	67.7	5.2	13.9	1.5	2.6	0.2	1.0	0.1	31.6	2.40	52.5	5.6
KGKRC123	43.00	44.00	7588	14355	1432	4233	255	40.0	61.9	4.2	10.3	1.0	1.8	0.2	1.2	0.1	24.5	2.80	32.0	5.1
KGKRC123	44.00	45.00	9563	18344	1811	5419	332	52.9	86.8	6.2	16.5	1.6	2.1	0.2	1.1	0.1	33.9	3.57	69.2	4.7
KGKRC123	45.00	46.00	6534	12706	1255	3690	206	32.3	48.0	3.2	9.1	1.0	1.8	0.2	1.1	0.1	23.5	2.45	22.7	10.0
KGKRC123	46.00	47.00	5734	11321	1125	3201	205	32.1	50.5	3.4	9.2	0.9	1.5	0.2	0.7	0.1	20.3	2.17	25.0	6.9
KGKRC123	47.00	48.00	10307	19662	1934	5590	381	59.5	94.4	6.0	14.1	1.4	1.9	0.2	0.7	0.1	27.9	3.81	45.2	3.6
KGKRC123	48.00	49.00	4238	8262	810	2398	168	27.9	45.9	3.5	8.5	0.9	1.4	0.2	1.1	0.1	21.1	1.60	29.9	10.4
KGKRC123	49.00	50.00	9759	18860	1868	5391	347	56.4	87.9	6.2	16.4	1.5	1.9	0.2	1.0	0.1	29.5	3.64	51.0	3.5
KGKRC123	50.00	51.00	6245	12143	1211	3418	227	36.6	55.3	3.8	9.1	1.0	1.9	0.1	1.1	0.1	21.5	2.34	27.8	8.5
KGKRC123	51.00	52.00	9849	19118	1894	5526	384	63.7	102.9	6.6	16.1	1.3	2.4	0.2	0.8	0.1	31.1	3.70	60.5	5.1
KGKRC123	52.00	53.00	5646	11420	1175	3463	250	43.0	70.8	5.4	14.2	1.5	2.3	0.3	1.5	0.2	31.9	2.21	58.8	5.9
KGKRC123	53.00	54.00	4247	8851	909	2753	209	38.9	69.5	6.0	17.5	1.6	3.1	0.3	1.6	0.2	38.9	1.71	72.4	6.7
KGKRC123	54.00	55.00	11288	21583	2110	6011	394	65.9	104.6	7.4	17.3	1.5	2.4	0.2	1.0	-0.1	32.4	4.16	65.6	1.1
KGKRC123	55.00	56.00	9488	18538	1826	5222	362	58.5	94.3	6.0	14.6	1.4	2.5	0.2	0.8	-0.1	29.5	3.56	52.3	2.1
KGKRC123	56.00	57.00	7627	15126	1551	4468	325	55.8	88.2	6.4	17.8	1.6	2.5	0.2	1.1	0.1	35.6	2.93	60.4	1.0
KGKRC123	57.00	58.00	8248	16171	1627	4637	342	60.1	95.6	6.7	17.1	1.7	3.7	0.3	1.5	0.2	40.1	3.13	60.0	0.5
KGKRC123	58.00	59.00	7141	14509	1501	4331	309	51.0	86.5	5.9	14.9	1.4	2.3	0.2	1.3	0.1	31.5	2.80	51.3	0.8
KGKRC123	59.00	60.00	7491	14638	1477	4332	318	54.8	96.1	6.9	17.8	2.0	3.0	0.3	1.7	0.2	41.1	2.85	72.3	0.8
KGKRC123	60.00	61.00	7574	14788	1509	4350	309	52.3	79.0	5.4	12.9	1.4	1.9	0.2	1.1	0.1	29.0	2.87	47.7	2.6
KGKRC123	61.00	62.00	9267	18472	1919	5597	397	63.2	101.8	6.8	18.0	1.7	2.4	0.2	1.2	0.2	36.6	3.59	61.0	1.0
KGKRC123	62.00	63.00	11925	23764	2454	7263	517	86.2	133.9	9.9	24.7	2.3	3.4	0.2	1.3	0.1	44.5	4.62	110.4	0.6
KGKRC123	63.00	64.00	13197	25517	2558	7529	513	82.7	125.6	8.7	19.2	2.0	2.6	0.3	1.3	0.2	39.8	4.96	74.6	1.0
KGKRC123	64.00	65.00	5878	11291	1120	3359	225	36.2	56.4	3.8	9.9	1.0	2.2	0.1	0.5	0.1	22.4	2.20	26.6	7.1
KGKRC123	65.00	66.00	10245	19494	1961	5964	407	63.6	108.6	7.2	15.2	1.6	2.1	0.2	1.0	0.2	32.4	3.83	51.5	3.3
KGKRC123	66.00	67.00	4426	8977	922	2906	239	39.7	72.8	5.1	14.8	1.7	3.8	0.2	2.2	0.2	42.2	1.77	44.0	9.2
KGKRC123	67.00	68.00	4560	8967	930	2873	231	39.7	69.7	5.3	15.8	1.8	3.4	0.3	1.4	0.2	40.6	1.77	32.2	9.1
KGKRC123	68.00	69.00	4161	8002	807	2450	186	32.7	63.2	5.1	16.1	2.1	3.5	0.5	1.9	0.2	49.0	1.58	28.1	10.7
KGKRC123	69.00	70.00	16808	28432	2635	7437	497	80.8	141.4	10.7	29.7	3.0	4.6	0.2	1.5	0.2	62.2	5.61	76.2	2.7
KGKRC123	70.00	71.00	11067	18591	1713	5021	306	48.1	84.0	6.2	17.9	2.0	2.9	0.2	1.1	0.1	38.4	3.69	34.3	1.7
KGKRC123	71.00	72.00	5211	9734	937	2722	184	29.6	50.3	3.7	9.4	1.2	1.8	0.2	0.8	0.2	24.8	1.89	23.1	8.3
KGKRC123	72.00	73.00	7223	13954	1406	4055	259	41.0	68.6	4.6	12.9	1.3	2.4	0.2	1.4	0.1	30.9	2.71	27.1	10.0
KGKRC123	73.00	74.00	8452	16717	1677	4993	322	48.6	77.7	5.2	12.5	1.3	1.7	0.2	0.8	0.1	25.5	3.23	32.4	7.1
KGKRC123	74.00	75.00	6146	12216	1241	3719	251	38.4	64.3	3.9	9.5	1.0	1.8	0.1	1.0	-0.1	23.5	2.37	31.1	8.4
KGKRC123	75.00	76.00	7644	14830	1471	4325	264	41.3	64.4	4.4	9.6	1.2	2.3	0.1	0.9	0.1	25.0	2.87	29.7	5.3
KGKRC123	76.00	77.00	7387	14443	1413	4065	256	38.8	63.2	4.5	11.7	1.0	1.7	0.2	0.7	0.1	27.3	2.77	35.8	5.0
KGKRC123	77.00	78.00	10472	21000	2124	6335	392	60.2	100.1	7.1	18.0	1.5	2.1	0.2	0.8	0.1	33.9	4.05	57.9	4.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC123	78.00	79.00	6145	12005	1202	3531	227	35.6	61.6	4.2	11.9	1.4	1.7	-0.1	0.8	0.1	27.1	2.33	40.3	8.0
KGKRC123	79.00	80.00	5169	10315	1044	3163	217	33.8	55.9	4.0	10.0	1.2	1.7	0.2	0.9	0.2	22.9	2.00	32.2	6.4
KGKRC123	80.00	81.00	10931	20722	2009	5772	361	57.8	98.7	6.8	16.5	1.7	2.3	0.2	1.2	0.1	33.7	4.00	54.2	3.3
KGKRC123	81.00	82.00	5901	11584	1147	3279	208	32.0	54.1	3.4	7.9	1.0	2.1	0.1	1.1	0.1	20.6	2.22	25.4	6.5
KGKRC123	82.00	83.00	9061	17615	1739	5106	314	46.7	78.2	5.2	12.3	1.6	2.7	0.2	1.5	0.2	32.1	3.40	37.4	3.7
KGKRC123	83.00	84.00	11255	21636	2137	6185	347	53.3	86.8	5.9	13.4	1.4	2.3	0.1	1.0	0.1	30.7	4.18	45.3	2.9
KGKRC123	84.00	85.00	8043	15683	1570	4574	284	43.7	70.3	4.7	10.2	1.2	1.8	0.2	1.0	0.2	25.1	3.03	31.6	6.2
KGKRC123	85.00	86.00	7462	14444	1436	4163	269	42.8	72.9	5.4	16.1	1.6	3.4	0.3	1.3	0.3	42.8	2.80	41.6	9.1
KGKRC123	86.00	87.00	6369	12126	1251	3695	282	49.8	98.9	8.1	23.2	2.5	4.6	0.5	3.4	0.5	61.3	2.40	101.4	6.5
KGKRC123	87.00	88.00	4674	9421	965	2929	220	35.6	70.1	6.1	19.1	1.6	2.6	0.2	1.0	0.1	37.5	1.84	70.0	4.5
KGKRC123	88.00	89.00	5979	12188	1243	3755	258	39.5	66.0	4.7	12.7	1.0	2.3	0.1	0.9	0.1	28.1	2.36	44.8	7.1
KGKRC123	89.00	90.00	6597	13282	1343	3986	264	40.1	72.2	4.7	11.4	1.3	2.2	0.3	1.0	0.1	26.4	2.56	36.7	8.3
KGKRC123	90.00	91.00	5232	10521	1090	3316	241	37.1	60.5	4.0	9.9	0.9	1.5	0.2	1.0	0.2	21.8	2.05	30.3	10.0
KGKRC123	91.00	92.00	5456	10826	1107	3264	226	36.6	59.8	4.2	10.4	1.2	1.9	0.1	0.9	0.2	23.9	2.10	36.3	9.5
KGKRC123	92.00	93.00	7941	16215	1659	5161	363	56.4	94.0	6.2	14.4	1.4	2.2	0.2	1.1	0.1	31.5	3.15	55.4	6.6
KGKRC123	93.00	94.00	3543	7087	716	2209	152	23.9	42.5	2.9	7.2	0.8	1.7	0.1	0.8	0.1	18.7	1.38	23.2	10.8
KGKRC123	94.00	95.00	4088	8442	893	2773	206	32.9	54.8	3.5	9.8	1.0	1.5	0.2	1.1	0.1	21.6	1.65	33.6	11.9
KGKRC123	95.00	96.00	7352	13825	1376	4065	289	47.4	80.6	5.8	15.7	1.6	2.6	0.1	1.2	-0.1	34.2	2.71	47.9	7.9
KGKRC123	96.00	97.00	3862	7492	751	2253	162	26.1	46.4	3.3	9.6	0.9	1.9	0.1	0.9	0.2	22.9	1.46	29.2	10.7
KGKRC123	97.00	98.00	4052	7953	804	2421	176	27.9	48.5	3.4	9.1	1.0	1.7	0.2	1.2	0.1	22.4	1.55	25.1	9.8
KGKRC123	98.00	99.00	3109	6216	629	1887	137	22.2	40.6	3.1	9.3	1.0	1.7	0.1	0.8	0.2	24.5	1.21	23.7	10.4
KGKRC123	99.00	100.00	3075	6165	634	1986	160	26.6	51.5	4.4	12.2	1.5	2.5	0.1	1.1	0.1	36.1	1.22	44.6	10.5
KGKRC123	100.00	101.00	4814	9547	981	2960	202	32.7	55.3	4.7	13.4	1.7	2.6	0.2	1.2	0.2	39.4	1.87	26.6	5.9
KGKRC123	101.00	102.00	5322	9264	871	2442	160	24.2	43.0	3.5	8.8	0.9	1.9	-0.1	0.8	0.1	26.2	1.82	23.5	9.1
KGKRC123	102.00	103.00	3065	5725	560	1693	133	25.6	52.1	4.7	14.7	1.7	2.5	0.3	1.7	0.3	36.8	1.13	56.7	16.6
KGKRC123	103.00	104.00	1737	3101	292	889	70	13.3	26.4	2.2	8.2	1.2	1.8	0.2	1.8	0.2	26.2	0.62	32.9	14.2
KGKRC123	104.00	105.00	2790	4486	398	1109	76	13.2	25.4	2.0	7.7	0.9	2.3	0.2	1.0	0.2	23.5	0.89	29.0	14.4
KGKRC123	105.00	106.00	1522	2657	252	736	56	10.0	18.3	1.4	5.6	0.8	2.1	0.2	1.3	0.3	22.5	0.53	20.1	11.9
KGKRC123	106.00	107.00	6039	8770	718	1806	101	16.4	28.6	2.6	8.2	0.9	1.3	-0.1	1.0	0.1	23.0	1.75	17.4	4.4
KGKRC123	107.00	108.00	4445	6954	613	1701	119	21.1	40.7	3.5	10.3	1.3	3.0	0.2	2.1	0.3	34.0	1.39	30.6	13.3
KGKRC123	108.00	109.00	1854	3317	307	893	65	11.4	22.6	2.0	5.9	1.0	2.1	0.2	1.2	0.2	21.8	0.65	15.3	16.3
KGKRC123	109.00	110.00	1919	3840	390	1239	112	21.1	43.2	3.8	12.9	1.7	4.1	0.3	2.0	0.3	42.3	0.76	17.0	16.7
KGKRC123	110.00	111.00	2832	5335	527	1563	132	25.0	50.5	4.1	16.1	2.0	4.4	0.3	2.6	0.3	47.9	1.05	21.9	13.1
KGKRC123	111.00	112.00	1486	3270	354	1177	127	26.4	60.0	5.7	21.5	3.6	7.6	0.7	4.7	0.7	84.8	0.66	29.6	13.5
KGKRC123	112.00	113.00	1775	3848	420	1359	132	25.0	53.6	4.6	17.7	2.3	5.3	0.6	3.4	0.5	60.5	0.77	30.9	15.1
KGKRC123	113.00	114.00	1060	2336	248	804	78	16.1	34.4	3.3	12.7	1.7	4.5	0.5	2.8	0.3	45.3	0.46	25.0	14.7
KGKRC123	114.00	115.00	3210	7396	811	2649	236	42.5	78.1	6.2	19.5	2.4	5.4	0.6	3.8	0.6	67.2	1.45	61.5	10.3
KGKRC123	115.00	116.00	11578	24132	2489	7411	510	79.1	129.8	8.7	22.8	2.5	4.1	0.3	1.3	0.2	59.8	4.64	63.8	13.8
KGKRC123	116.00	117.00	2799	5906	602	1800	140	24.3	45.4	3.8	12.1	1.5	3.1	0.2	1.7	0.3	37.8	1.14	30.0	15.1
KGKRC123	117.00	118.00	1752	3711	382	1185	99	18.5	35.3	3.1	10.4	1.4	2.7	0.2	1.8	0.3	31.1	0.72	36.7	17.6
KGKRC123	118.00	119.00	1491	2930	290	866	67	12.5	25.2	2.1	6.4	0.8	1.8	0.2	1.2	0.2	22.6	0.57	30.7	15.1
KGKRC123	119.00	120.00	4920	8379	762	2115	139	22.8	42.1	3.1	7.8	0.9	1.9	0.1	1.2	0.1	22.5	1.64	27.6	13.8
KGKRC123	120.00	121.00	7348	11737	1033	2741	186	30.9	61.9	5.5	18.7	2.6	5.6	0.6	3.7	0.3	67.7	2.32	36.0	11.3
KGKRC123	121.00	122.00	4076	7015	648	1774	115	18.4	30.0	2.5	6.2	0.8	1.4	0.1	1.1	0.1	19.2	1.37	17.7	8.1
KGKRC123	122.00	123.00	3337	6828	698	2047	148	23.7	41.2	2.8	7.8	0.9	2.2	0.2	0.7	0.2	20.5	1.32	14.8	7.9

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC123	123.00	124.00	5464	9884	952	2659	191	31.5	58.0	4.4	13.3	1.6	2.7	0.2	2.0	0.2	35.2	1.93	23.5	10.1
KGKRC123	124.00	125.00	938	2153	256	926	124	29.9	81.5	9.6	43.7	6.4	15.3	1.7	11.1	1.6	183.4	0.48	73.5	18.9
KGKRC123	125.00	126.00	2998	5747	578	1767	167	32.3	70.6	7.4	32.1	4.7	9.7	0.9	6.3	0.9	123.7	1.15	44.4	21.0
KGKRC123	126.00	127.00	2926	6566	724	2350	202	35.4	68.2	5.5	17.3	1.8	4.1	0.3	2.1	0.3	45.8	1.29	48.6	10.7
KGKRC123	127.00	128.00	2817	6522	746	2514	240	41.5	76.3	5.9	17.9	2.1	4.2	0.5	2.5	0.5	51.3	1.30	37.1	7.9
KGKRC123	128.00	129.00	3038	6780	750	2414	205	35.1	65.1	4.7	14.9	2.0	3.7	0.2	2.3	0.3	45.0	1.34	27.9	7.9
KGKRC123	129.00	130.00	2600	5765	635	2085	190	33.8	62.3	4.9	17.3	2.3	5.4	0.5	3.6	0.5	62.9	1.15	30.6	8.1
KGKRC123	130.00	131.00	2691	6093	677	2209	194	31.3	55.2	3.4	11.1	1.2	2.3	0.2	1.1	0.2	28.1	1.20	23.7	7.2
KGKRC123	131.00	132.00	4479	9502	1031	3209	264	41.9	69.7	4.4	9.9	1.0	1.7	0.1	1.0	0.1	21.3	1.86	32.9	7.5
KGKRC123	132.00	133.00	3596	8284	969	3215	309	51.2	88.4	5.7	13.2	1.4	2.2	0.2	1.0	0.1	29.8	1.66	45.2	5.7
KGKRC123	133.00	134.00	4234	9869	1137	3713	320	50.7	82.4	5.1	12.5	1.2	2.2	0.2	0.9	0.1	25.5	1.95	41.1	5.2
KGKRC123	134.00	135.00	4790	10892	1194	3836	310	48.1	80.2	4.8	11.8	1.2	1.9	-0.1	1.1	0.1	23.9	2.12	41.1	7.1
KGKRC123	135.00	136.00	2868	6342	692	2225	202	34.4	68.0	5.7	20.7	3.0	6.6	0.7	4.2	0.5	77.6	1.26	32.2	8.8
KGKRC123	136.00	137.00	3877	8284	882	2725	218	35.9	61.3	4.2	11.6	1.4	2.5	0.2	1.2	0.1	30.6	1.61	28.3	8.4
KGKRC123	137.00	138.00	3254	7482	858	2775	248	40.5	70.6	4.6	12.4	1.3	2.4	0.2	0.8	0.1	28.6	1.48	36.4	7.2
KGKRC123	138.00	139.00	3240	7740	897	2998	282	49.4	88.1	5.8	16.8	1.7	3.5	0.3	1.2	0.3	40.9	1.54	47.8	4.6
KGKRC123	139.00	140.00	3133	7081	806	2602	248	42.6	79.8	5.4	17.5	1.8	3.7	0.3	1.8	0.3	45.3	1.41	46.6	6.7
KGKRC123	140.00	141.00	3335	7379	814	2604	249	45.5	86.0	6.5	20.9	2.5	4.4	0.6	2.4	0.5	62.9	1.46	53.6	6.7
KGKRC123	141.00	142.00	2834	5970	645	2091	202	39.8	77.4	6.5	24.6	3.0	6.9	0.7	4.4	0.6	79.0	1.20	54.5	8.3
KGKRC123	142.00	143.00	2932	6685	764	2515	251	46.0	96.5	8.8	28.4	2.8	5.0	0.6	3.5	0.5	69.2	1.34	87.8	10.3
KGKRC123	143.00	144.00	3501	7587	816	2642	240	42.8	84.8	6.5	21.8	2.6	5.7	0.7	3.3	0.6	70.4	1.50	46.6	11.6
KGKRC123	144.00	145.00	3422	7483	820	2672	253	45.4	88.6	6.8	25.0	3.1	7.2	0.7	3.6	0.5	84.1	1.49	54.0	9.1
KGKRC123	145.00	146.00	3622	8064	916	2921	261	45.6	83.7	6.2	18.8	2.4	4.9	4.2	2.6	0.5	62.1	1.60	48.2	7.9
KGKRC123	146.00	147.00	3504	7996	896	2884	265	46.2	84.4	6.2	19.1	2.1	3.9	0.3	1.8	0.2	47.4	1.58	53.4	6.6
KGKRC123	147.00	148.00	3545	8306	960	3113	298	53.2	95.1	7.5	21.5	2.8	4.2	0.5	2.4	0.3	57.0	1.65	69.8	8.7
KGKRC123	148.00	149.00	3938	8824	983	3175	290	50.7	93.5	6.7	21.2	2.4	4.2	0.3	3.2	0.3	58.8	1.75	51.3	8.1
KGKRC123	149.00	150.00	3474	7854	884	2846	260	45.7	83.3	6.1	18.1	2.1	4.0	0.5	2.2	0.3	49.8	1.55	43.5	9.2
KGKRC124	0.00	1.00	13757	26876	2687	7889	551	89.0	158.9	12.7	38.8	4.2	7.0	0.8	3.8	0.6	104.8	5.22	131.0	16.7
KGKRC124	1.00	2.00	13776	25260	2381	6625	438	71.8	132.7	10.8	31.3	3.6	6.1	0.6	2.9	0.5	85.6	4.88	110.3	9.2
KGKRC124	2.00	3.00	6651	11985	1109	3027	188	30.3	56.6	4.8	15.4	1.8	3.2	0.2	0.9	0.1	41.4	2.31	50.6	10.6
KGKRC124	3.00	4.00	2554	5125	513	1522	113	19.2	37.6	4.1	14.2	1.5	2.7	0.1	1.5	0.2	40.6	0.99	61.4	22.3
KGKRC124	4.00	5.00	5459	10957	1109	3199	216	33.7	59.3	4.5	14.4	1.6	3.1	0.2	2.0	0.2	43.1	2.11	46.7	20.6
KGKRC124	5.00	6.00	13409	25208	2432	7010	466	74.1	126.7	8.9	24.0	2.4	3.7	0.3	2.0	0.3	57.8	4.88	112.3	4.6
KGKRC124	6.00	7.00	8346	15608	1543	4419	282	46.1	81.9	6.0	15.4	1.6	2.4	0.2	1.6	0.2	38.5	3.04	103.5	3.1
KGKRC124	7.00	8.00	14812	29740	3145	9630	632	93.4	159.1	11.1	29.3	2.6	5.3	0.5	2.6	0.3	72.3	5.83	126.9	4.2
KGKRC124	8.00	9.00	2230	4561	483	1476	112	18.5	32.0	2.6	8.6	0.9	1.9	0.2	1.2	0.1	24.6	0.90	36.1	9.2
KGKRC124	9.00	10.00	10253	18099	1707	4868	282	44.8	75.4	5.8	15.3	1.5	2.7	0.2	1.7	0.2	38.6	3.54	68.5	8.8
KGKRC124	10.00	11.00	13526	24319	2356	6821	411	63.5	109.1	8.6	21.8	2.3	3.2	0.2	1.8	0.1	49.9	4.77	88.4	2.0
KGKRC124	11.00	12.00	17533	33581	3483	10516	672	100.6	164.8	12.1	32.4	3.2	5.4	0.3	2.0	0.2	74.5	6.62	106.3	2.3
KGKRC124	12.00	13.00	9531	17926	1758	5222	307	46.2	79.1	6.1	17.3	2.0	3.3	0.2	1.5	0.2	45.3	3.49	54.9	3.0
KGKRC124	13.00	14.00	5713	10510	1035	2931	177	28.4	49.9	4.4	13.0	1.5	2.9	0.1	1.5	0.2	36.3	2.05	44.1	4.0
KGKRC124	14.00	15.00	7430	13874	1373	3915	237	36.7	68.2	6.4	17.3	1.8	2.9	0.2	1.3	0.2	42.3	2.70	67.4	2.8
KGKRC124	15.00	16.00	17646	32932	3313	9713	608	100.4	186.4	14.2	40.2	3.8	5.8	0.5	3.6	0.5	93.5	6.47	186.7	11.8
KGKRC124	16.00	17.00	9507	18640	1930	5854	379	62.9	117.9	11.2	37.9	4.4	7.3	0.6	3.7	0.6	104.8	3.67	130.1	10.1
KGKRC124	17.00	18.00	10541	20598	2082	6234	357	53.7	86.1	6.2	18.0	1.7	3.5	0.2	1.2	0.2	43.3	4.00	48.4	8.8

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC124	18.00	19.00	5885	10763	1076	3072	190	30.1	56.8	5.2	15.5	1.7	2.5	0.2	1.2	0.1	42.9	2.11	57.7	10.6
KGKRC124	19.00	20.00	9787	17981	1755	5228	308	45.3	75.2	5.3	15.0	1.7	2.6	0.2	1.3	0.2	41.1	3.52	47.6	20.3
KGKRC124	20.00	21.00	10269	17892	1733	4876	291	46.2	77.6	6.4	19.7	2.2	3.8	0.2	1.9	0.2	53.6	3.53	63.7	5.3
KGKRC124	21.00	22.00	7159	12944	1245	3601	226	35.0	60.8	4.9	14.7	1.6	2.6	0.2	1.3	0.2	39.6	2.53	44.5	4.1
KGKRC124	22.00	23.00	4227	8069	806	2349	144	22.7	38.6	2.8	8.3	1.0	1.3	0.1	0.7	-0.1	21.8	1.57	24.4	7.2
KGKRC124	23.00	24.00	5511	10633	1091	3196	204	30.8	55.1	4.1	11.5	1.2	1.7	-0.1	0.8	-0.1	29.2	2.08	40.4	5.4
KGKRC124	24.00	25.00	6210	12374	1295	3908	252	38.2	65.3	5.2	15.5	1.5	2.2	0.1	1.2	0.1	32.9	2.42	51.0	6.8
KGKRC124	25.00	26.00	4455	8922	948	2723	173	25.1	36.5	2.5	6.1	0.7	1.0	0.1	0.7	-0.1	14.1	1.73	16.0	9.4
KGKRC124	26.00	27.00	5102	9776	998	2864	189	31.5	56.5	5.4	16.9	1.7	2.6	0.3	1.2	0.1	42.2	1.91	61.3	6.5
KGKRC124	27.00	28.00	10577	18331	1734	4767	286	45.5	77.0	6.1	16.9	1.8	2.7	0.2	1.2	0.2	46.4	3.59	58.0	5.9
KGKRC124	28.00	29.00	10738	19078	1821	4951	309	52.8	94.0	7.9	22.0	2.2	4.2	0.5	1.3	0.1	58.9	3.71	61.7	2.3
KGKRC124	29.00	30.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC124	30.00	31.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC124	31.00	32.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC124	32.00	33.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC124	33.00	34.00	8547	17451	1839	5471	403	68.7	126.4	10.7	31.9	3.4	5.7	0.6	2.3	0.3	95.4	3.41	127.0	2.0
KGKRC124	34.00	35.00	8318	16003	1682	4766	298	48.8	86.7	7.5	24.1	2.8	6.0	0.6	2.7	0.5	85.5	3.13	76.8	3.8
KGKRC124	35.00	36.00	5321	10205	1029	2906	185	31.2	60.7	5.7	17.0	2.0	3.4	0.3	2.5	0.3	56.4	1.98	62.1	8.0
KGKRC124	36.00	37.00	5198	10245	1062	3113	216	37.2	66.6	5.5	17.6	2.0	3.1	0.3	2.1	0.2	48.8	2.00	59.7	4.5
KGKRC124	37.00	38.00	5082	9805	1003	2842	199	34.5	61.2	5.9	17.9	1.6	2.5	0.2	0.6	0.1	38.6	1.91	58.1	4.6
KGKRC124	38.00	39.00	8557	15818	1587	4444	298	49.4	90.9	7.7	21.7	2.1	3.1	0.2	1.2	0.1	51.6	3.09	84.8	4.4
KGKRC124	39.00	40.00	5171	11464	1317	4070	346	59.1	102.0	8.0	22.2	2.2	3.1	0.3	1.4	0.2	53.3	2.26	95.2	2.5
KGKRC124	40.00	41.00	3734	8462	956	2994	244	41.5	74.4	5.2	13.7	1.4	2.2	0.2	0.9	0.2	38.1	1.66	70.9	2.0
KGKRC124	41.00	42.00	10314	18604	1831	5122	327	55.6	98.8	8.6	22.4	2.3	4.1	0.3	2.4	0.2	69.0	3.65	80.5	2.4
KGKRC124	42.00	43.00	10981	20169	2001	5622	363	60.4	105.7	9.2	25.8	2.6	4.9	0.5	2.2	0.3	77.1	3.94	94.9	1.8
KGKRC124	43.00	44.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC124	44.00	45.00	13348	24673	2407	6770	439	74.2	132.3	11.3	32.0	3.3	5.6	0.6	2.6	0.2	89.5	4.80	108.6	4.4
KGKRC124	45.00	46.00	10564	19082	1836	5089	333	55.6	99.8	8.5	25.5	2.6	4.9	0.5	2.5	0.2	82.4	3.72	92.2	1.8
KGKRC124	46.00	47.00	10092	19126	1892	5337	320	53.0	92.4	8.8	25.8	2.8	5.6	0.5	2.7	0.3	82.4	3.70	88.4	2.7
KGKRC124	47.00	48.00	9982	18835	1903	5398	346	53.2	84.4	6.1	15.6	1.6	3.9	0.5	2.8	0.3	48.0	3.67	43.8	3.3
KGKRC124	48.00	49.00	8547	16626	1669	4768	298	47.9	83.5	7.1	20.7	2.3	5.0	0.6	3.6	0.5	76.1	3.22	66.4	2.8
KGKRC124	49.00	50.00	8766	16708	1747	5047	323	51.4	90.6	7.5	21.5	2.5	5.3	0.6	3.4	0.5	82.4	3.29	76.1	2.6
KGKRC124	50.00	51.00	11686	21172	2110	5851	367	57.2	96.2	8.1	26.1	3.3	7.2	0.8	5.0	0.5	113.0	4.15	68.0	4.4
KGKRC124	51.00	52.00	15302	28071	2789	7910	507	79.6	128.7	9.9	25.0	3.0	5.2	0.5	2.1	0.2	82.0	5.49	94.0	3.8
KGKRC124	52.00	53.00	3235	6188	627	1763	122	21.3	44.6	5.2	17.6	1.6	2.4	0.2	1.0	0.1	42.7	1.21	70.1	3.4
KGKRC124	53.00	54.00	5765	11269	1162	3300	214	35.2	64.6	6.0	18.1	1.6	2.7	0.2	1.8	0.2	47.2	2.19	60.5	2.7
KGKRC124	54.00	55.00	8857	17012	1748	4996	325	53.2	87.1	7.7	21.2	2.3	4.7	0.5	2.6	0.2	61.1	3.32	74.5	3.0
KGKRC124	55.00	56.00	11015	21002	2097	5920	370	58.4	102.2	7.7	22.2	2.5	4.8	0.6	2.7	0.3	79.9	4.07	75.1	2.6
KGKRC124	56.00	57.00	6185	12247	1278	3681	238	36.6	60.5	4.7	14.4	1.6	3.1	0.3	1.6	0.2	44.2	2.38	38.0	7.1
KGKRC124	57.00	58.00	3831	7536	772	2242	147	24.4	38.1	3.1	9.3	1.2	2.2	0.2	1.2	0.2	29.2	1.46	23.3	8.2
KGKRC124	58.00	59.00	5210	10487	1124	3227	215	32.7	53.1	3.8	9.9	1.2	2.3	0.3	1.3	0.2	32.4	2.04	29.3	4.8
KGKRC124	59.00	60.00	7548	15192	1584	4587	285	43.1	71.0	5.7	13.8	1.4	2.7	0.3	1.2	0.2	36.6	2.94	50.5	2.3
KGKRC124	60.00	61.00	5736	11559	1225	3594	238	35.3	53.8	3.8	9.6	1.0	1.7	0.1	1.1	-0.1	22.7	2.25	29.7	4.1
KGKRC124	61.00	62.00	6429	12854	1312	3729	238	38.9	66.2	6.1	16.6	1.7	2.9	0.3	1.8	0.1	41.4	2.47	68.4	3.1
KGKRC124	62.00	63.00	10903	22092	2305	6596	422	66.2	113.6	7.7	20.3	2.2	4.0	0.3	2.9	0.3	64.9	4.26	69.7	2.2

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC124	63.00	64.00	8065	16767	1768	5284	359	56.7	91.5	6.6	16.0	2.0	3.2	0.3	1.9	0.3	50.0	3.25	58.3	2.9
KGKRC124	64.00	65.00	5189	10765	1134	3371	245	38.9	61.7	4.4	12.5	1.5	3.1	0.5	1.9	0.3	44.8	2.09	36.5	7.2
KGKRC124	65.00	66.00	2769	5553	581	1702	123	20.0	36.5	3.1	9.3	0.9	1.3	0.1	1.1	-0.1	23.2	1.08	25.5	11.9
KGKRC124	66.00	67.00	5486	10610	1087	3098	206	32.8	54.8	4.1	10.3	1.0	1.8	0.2	1.4	0.1	29.1	2.06	33.9	9.7
KGKRC124	67.00	68.00	5415	10752	1081	3033	191	31.2	54.1	4.6	11.9	1.3	1.9	0.2	0.9	0.2	33.0	2.06	43.1	8.3
KGKRC124	68.00	69.00	4198	8403	875	2486	173	29.6	51.2	4.2	11.6	1.0	2.2	0.2	1.2	0.2	33.8	1.63	40.6	6.2
KGKRC124	69.00	70.00	4713	9257	982	2823	209	35.8	61.1	4.8	12.3	1.3	1.9	0.2	1.2	0.2	32.3	1.81	52.9	7.2
KGKRC124	70.00	71.00	3206	6414	669	1977	153	27.2	49.8	4.7	14.6	1.6	3.3	0.5	2.5	0.2	46.4	1.26	46.2	9.5
KGKRC124	71.00	72.00	7507	14205	1456	4225	296	48.4	80.8	5.5	14.2	1.4	2.5	0.2	1.6	0.2	37.8	2.79	45.0	4.8
KGKRC124	72.00	73.00	6597	12510	1303	3749	263	43.1	72.2	5.4	15.3	1.6	2.9	0.3	2.0	0.3	51.1	2.46	46.3	4.4
KGKRC124	73.00	74.00	6619	12650	1320	3844	273	43.8	71.8	4.9	12.2	1.2	2.1	0.2	1.1	0.2	29.7	2.49	35.0	5.7
KGKRC124	74.00	75.00	5563	10372	1081	3107	223	37.4	58.6	4.6	12.1	1.2	2.4	0.3	1.4	0.2	35.7	2.05	37.7	6.3
KGKRC124	75.00	76.00	2371	4676	479	1405	102	17.5	29.2	2.8	10.7	1.0	2.2	0.1	1.8	0.2	35.3	0.91	26.5	9.1
KGKRC124	76.00	77.00	7823	15618	1615	4642	321	56.9	103.8	9.8	28.0	3.3	7.0	0.6	2.9	0.5	102.6	3.03	113.6	2.8
KGKRC124	77.00	78.00	4901	9623	1010	2915	207	33.8	56.8	4.7	13.9	1.4	2.7	0.3	1.0	0.2	38.4	1.88	41.9	11.7
KGKRC124	78.00	79.00	10702	19578	1965	5502	363	60.3	95.9	6.9	18.6	2.2	4.1	0.5	2.1	0.2	59.2	3.84	45.5	3.4
KGKRC124	79.00	80.00	14247	26616	2693	7727	544	91.0	149.6	10.5	24.5	2.2	3.8	0.5	1.7	0.2	60.6	5.22	110.1	1.0
KGKRC124	80.00	81.00	9680	19679	2222	7012	549	94.7	180.9	16.1	39.4	3.1	4.7	0.3	1.9	0.2	79.6	3.96	292.4	1.9
KGKRC124	81.00	82.00	10553	19578	1970	5631	407	70.1	124.5	10.4	30.9	3.7	6.1	0.6	3.9	0.5	103.6	3.85	102.1	1.5
KGKRC124	82.00	83.00	16028	29360	2887	8200	535	88.6	148.7	10.9	29.6	3.4	5.6	0.5	3.4	0.5	90.0	5.74	88.6	1.1
KGKRC124	83.00	84.00	12686	23241	2297	6577	443	76.9	132.4	10.4	27.4	2.8	4.9	0.6	1.5	0.2	78.0	4.56	91.1	1.2
KGKRC124	84.00	85.00	7830	15706	1644	4623	319	55.8	97.1	7.8	21.4	2.4	4.9	0.6	2.6	0.3	69.2	3.04	95.4	1.0
KGKRC124	85.00	86.00	8545	17393	1858	5531	431	72.7	132.2	10.0	31.0	3.0	6.0	0.6	2.8	0.3	89.7	3.41	111.9	1.2
KGKRC124	86.00	87.00	10117	19123	1937	5568	393	65.5	116.0	8.8	25.3	2.4	4.5	0.5	2.7	0.3	63.4	3.74	86.6	1.2
KGKRC124	87.00	88.00	7195	13810	1414	3985	306	52.1	93.3	7.9	20.3	2.0	4.1	0.3	2.4	0.3	54.0	2.69	82.9	1.0
KGKRC124	88.00	89.00	14252	26416	2622	7475	492	81.2	140.1	10.5	25.1	2.6	3.9	0.5	2.1	0.2	64.3	5.16	89.2	1.7
KGKRC124	89.00	90.00	11436	21194	2118	6024	423	72.8	124.4	9.6	27.3	2.8	4.6	0.3	2.3	0.3	69.7	4.15	81.0	1.4
KGKRC124	90.00	91.00	8917	17618	1825	5365	388	68.9	116.2	8.8	22.5	2.2	3.3	0.2	1.3	0.2	53.3	3.44	101.1	1.2
KGKRC124	91.00	92.00	7449	13669	1381	3873	294	52.2	96.0	7.2	17.5	1.8	3.1	0.3	1.1	0.1	44.8	2.69	83.3	2.0
KGKRC124	92.00	93.00	7150	14974	1637	5129	424	73.3	128.5	9.1	23.9	2.3	4.4	0.3	1.9	0.2	61.1	2.96	95.6	5.0
KGKRC124	93.00	94.00	3848	9507	1155	3816	361	62.3	104.9	7.2	19.2	1.7	3.2	0.3	1.8	0.2	48.5	1.89	90.7	3.3
KGKRC124	94.00	95.00	2939	5643	579	1700	135	24.8	51.1	4.7	15.5	1.6	2.5	0.3	1.4	0.2	38.5	1.11	55.3	7.9
KGKRC124	95.00	96.00	4207	8899	977	2997	229	40.8	73.8	6.0	16.9	1.6	2.5	0.2	1.3	0.2	39.6	1.75	57.4	6.3
KGKRC124	96.00	97.00	3520	7288	780	2309	169	29.0	50.1	3.8	10.7	1.0	2.1	0.2	1.4	0.1	26.8	1.42	31.2	9.7
KGKRC124	97.00	98.00	2461	5292	592	1811	156	28.1	50.1	4.0	11.5	1.2	2.4	0.3	1.5	0.2	31.6	1.04	38.5	8.9
KGKRC124	98.00	99.00	3125	6650	726	2251	186	31.4	57.7	4.5	13.3	1.3	1.9	0.2	2.0	0.1	32.9	1.31	51.8	6.1
KGKRC124	99.00	100.00	4093	8107	828	2416	181	32.1	56.3	4.9	13.5	1.3	1.9	0.2	1.3	0.1	34.4	1.58	47.2	7.3
KGKRC124	100.00	101.00	3657	7358	772	2210	160	29.0	49.1	4.7	13.2	1.3	2.3	0.2	1.5	0.2	34.5	1.43	46.3	8.5
KGKRC124	101.00	102.00	3118	6400	680	2027	167	33.1	60.2	5.7	17.9	1.8	3.3	0.5	2.1	0.3	52.6	1.26	54.6	9.5
KGKRC124	102.00	103.00	3033	6072	627	1874	163	34.4	74.6	7.3	21.6	2.0	3.9	0.3	2.2	0.3	56.0	1.20	118.0	8.4
KGKRC124	103.00	104.00	3240	6762	719	2200	178	32.5	66.1	6.5	19.5	2.0	3.8	0.6	2.9	0.3	54.4	1.33	81.4	7.9
KGKRC124	104.00	105.00	2207	4750	526	1651	127	23.2	39.8	3.7	10.4	1.2	2.5	0.2	1.7	0.2	30.4	0.94	39.6	8.9
KGKRC124	105.00	106.00	2628	5444	579	1714	125	23.3	43.2	4.5	14.4	1.6	2.5	0.2	1.1	0.1	34.9	1.06	46.7	6.1
KGKRC124	106.00	107.00	3277	6853	722	2168	159	26.6	43.3	3.7	10.6	0.9	2.3	0.2	1.0	-0.1	25.7	1.33	28.3	6.4
KGKRC124	107.00	108.00	4679	9651	1041	3028	213	34.5	57.3	4.5	12.1	1.3	1.9	-0.1	0.7	-0.1	27.6	1.88	42.0	6.3



Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC124	108.00	109.00	1882	4208	471	1482	111	17.7	27.4	1.9	6.8	0.6	1.4	0.1	0.9	-0.1	17.5	0.82	14.0	7.6
KGKRC124	109.00	110.00	6539	14547	1615	5010	376	63.6	100.1	7.7	21.1	2.2	3.2	0.2	1.9	0.2	49.2	2.83	77.6	3.4
KGKRC124	110.00	111.00	10300	20058	2104	6186	447	73.9	120.3	9.2	23.5	2.3	4.5	0.3	2.2	0.3	57.0	3.94	90.2	3.9
KGKRC124	111.00	112.00	1844	4163	468	1491	127	21.8	41.2	3.7	11.0	1.0	2.1	0.1	1.1	0.1	27.9	0.82	39.9	8.5
KGKRC124	112.00	113.00	4569	9561	1040	3004	197	32.7	53.1	4.0	11.7	1.2	2.1	0.2	1.2	0.1	29.5	1.85	32.6	5.3
KGKRC124	113.00	114.00	8000	16220	1679	4725	302	47.8	76.4	6.0	15.5	1.5	2.1	0.2	1.1	0.1	37.1	3.11	47.1	3.1
KGKRC124	114.00	115.00	4371	8675	890	2536	166	27.6	47.3	3.8	10.4	1.0	1.8	0.1	1.0	-0.1	27.8	1.68	33.6	4.8
KGKRC124	115.00	116.00	4176	8532	892	2582	169	26.8	42.1	3.2	9.9	1.0	1.6	-0.1	0.9	0.1	23.2	1.65	24.1	5.6
KGKRC124	116.00	117.00	4047	8227	840	2450	169	26.6	44.6	3.1	9.0	1.0	1.6	0.1	0.8	0.1	25.8	1.58	25.5	6.4
KGKRC124	117.00	118.00	5625	11108	1150	3285	212	33.7	58.0	4.5	12.7	1.3	2.3	0.2	1.8	0.1	30.2	2.15	38.5	3.1
KGKRC124	118.00	119.00	4374	8957	921	2665	162	26.1	43.8	3.5	8.8	0.9	1.3	0.1	0.9	-0.1	20.5	1.72	31.0	1.6
KGKRC124	119.00	120.00	3441	7189	760	2275	150	24.0	42.4	3.4	9.5	0.9	1.6	0.2	1.0	0.1	20.6	1.39	35.3	5.7
KGKRC124	120.00	121.00	4301	8682	902	2589	160	25.9	43.1	3.3	7.5	0.9	1.3	0.1	0.9	-0.1	19.9	1.67	29.4	5.1
KGKRC124	121.00	122.00	7022	13989	1456	4161	250	39.4	64.2	4.9	10.7	1.2	1.5	0.2	0.8	0.2	26.5	2.70	44.5	5.0
KGKRC124	122.00	123.00	6833	13828	1457	4329	276	44.0	68.3	5.2	11.1	1.2	1.8	0.2	1.0	0.1	26.0	2.69	45.0	7.0
KGKRC124	123.00	124.00	5021	10181	1085	3216	212	32.9	55.7	4.4	9.6	1.2	1.8	0.2	1.2	-0.1	24.4	1.98	32.9	6.7
KGKRC124	124.00	125.00	2119	4432	474	1452	102	17.8	30.9	2.8	7.0	0.9	1.1	0.1	1.2	0.1	19.9	0.87	29.3	11.2
KGKRC124	125.00	126.00	2850	5842	609	1831	124	20.3	32.8	2.7	6.7	0.8	1.1	0.2	0.7	0.1	19.2	1.13	19.1	9.2
KGKRC124	126.00	127.00	4996	9981	1034	2976	179	28.3	43.8	3.5	9.3	0.9	1.6	0.1	1.0	0.1	23.0	1.93	27.0	6.2
KGKRC124	127.00	128.00	3736	7854	823	2494	163	25.6	41.9	3.3	8.6	0.9	1.8	0.1	0.8	0.1	21.6	1.52	28.1	7.0
KGKRC124	128.00	129.00	2366	4929	520	1573	102	16.4	27.5	2.0	5.3	0.7	1.4	0.2	0.7	0.1	16.5	0.96	14.3	10.5
KGKRC124	129.00	130.00	1894	4056	433	1298	85	13.8	23.6	1.8	5.2	0.7	1.4	0.2	0.7	0.1	15.0	0.78	13.6	9.7
KGKRC124	130.00	131.00	6957	13322	1341	3789	218	34.5	54.5	4.4	9.4	0.8	1.6	0.1	0.9	-0.1	22.2	2.58	30.7	2.8
KGKRC124	131.00	132.00	9920	20012	1965	5480	322	50.7	75.3	6.0	13.5	1.5	2.4	0.2	0.8	-0.1	33.8	3.79	52.6	2.2
KGKRC124	132.00	133.00	2834	6094	624	1869	126	19.7	31.1	2.4	7.5	0.9	1.4	0.1	1.0	-0.1	20.3	1.16	18.5	8.5
KGKRC124	133.00	134.00	4465	9019	886	2478	151	22.9	37.9	2.9	8.5	0.9	1.5	0.1	1.0	-0.1	20.8	1.71	24.9	4.9
KGKRC124	134.00	135.00	7888	15190	1443	4031	234	36.2	59.5	4.5	11.6	1.3	2.1	0.2	1.0	0.1	30.6	2.89	43.8	3.9
KGKRC124	135.00	136.00	3643	7563	752	2174	134	20.2	31.6	2.6	6.3	0.8	1.1	0.1	0.9	-0.1	18.5	1.43	20.3	7.2
KGKRC124	136.00	137.00	5063	10731	1103	3184	204	31.7	48.7	3.5	9.2	1.0	1.8	0.1	0.9	-0.1	23.1	2.04	28.4	6.0
KGKRC124	137.00	138.00	3245	7735	869	2758	210	36.0	59.4	4.4	11.5	1.2	2.3	0.3	1.0	0.1	29.0	1.50	41.4	5.1
KGKRC124	138.00	139.00	4392	9533	1003	3051	216	34.6	52.1	4.1	12.2	1.3	2.2	0.2	1.3	0.1	30.0	1.83	39.2	5.7
KGKRC124	139.00	140.00	3515	7637	799	2407	159	23.6	36.3	2.5	7.7	0.8	1.4	0.1	1.4	-0.1	18.5	1.46	19.0	7.1
KGKRC124	140.00	141.00	5440	11074	1123	3261	202	30.7	46.3	3.2	8.6	1.0	1.7	0.1	0.9	-0.1	20.5	2.12	23.7	5.8
KGKRC124	141.00	142.00	3625	7525	731	2170	139	21.3	35.5	2.9	8.5	0.9	1.8	0.2	1.4	0.1	25.5	1.43	25.7	7.2
KGKRC124	142.00	143.00	5581	9703	884	2372	139	22.2	38.0	3.8	11.8	1.3	1.8	0.2	0.9	-0.1	30.5	1.88	34.8	4.9
KGKRC124	143.00	144.00	7582	15085	1524	4368	281	42.8	65.3	4.5	11.4	1.2	1.9	0.2	1.2	0.1	25.3	2.90	36.5	4.2
KGKRC124	144.00	145.00	8074	14486	1358	3683	208	30.8	50.5	4.2	10.3	1.3	1.9	0.2	1.0	-0.1	27.3	2.79	30.5	4.2
KGKRC124	145.00	146.00	2916	6152	635	1932	133	21.5	39.4	3.4	9.1	1.0	1.6	0.2	1.2	-0.1	25.4	1.19	38.7	7.0
KGKRC124	146.00	147.00	2982	5561	528	1495	101	16.8	28.9	2.4	6.8	0.8	1.6	0.2	1.2	0.1	21.6	1.07	11.8	8.4
KGKRC124	147.00	148.00	6473	11277	1044	2789	162	25.6	41.9	3.5	10.8	1.2	1.8	0.2	1.7	0.1	30.0	2.19	28.4	5.7
KGKRC124	148.00	149.00	9678	17118	1615	4444	257	38.8	61.9	4.8	13.3	1.4	1.9	0.2	0.7	-0.1	30.5	3.33	40.6	4.2
KGKRC124	149.00	150.00	6284	11242	1065	2923	192	30.8	53.2	4.5	14.6	2.1	4.1	0.5	2.5	0.3	52.6	2.19	22.0	6.4
KGKRC125	0.00	1.00	10602	21012	2119	6427	453	74.3	121.7	9.1	25.7	3.1	5.6	0.6	3.3	0.5	69.7	4.09	59.9	6.5
KGKRC125	1.00	2.00	14888	29084	2919	8474	568	87.8	135.0	10.1	24.7	2.9	4.8	0.5	2.2	0.3	59.2	5.63	73.1	4.3
KGKRC125	2.00	3.00	13528	26704	2701	8106	543	85.8	133.0	9.3	24.0	2.5	3.9	0.3	3.0	0.3	53.8	5.19	71.8	2.8

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC125	3.00	4.00	7749	15209	1503	4355	295	46.3	72.6	4.9	14.6	1.4	3.0	0.3	2.2	0.2	36.7	2.93	35.9	2.9
KGKRC125	4.00	5.00	4999	9863	992	2891	184	26.8	43.3	2.9	8.0	0.9	1.5	0.1	0.4	-0.1	18.7	1.90	22.3	2.8
KGKRC125	5.00	6.00	8466	15974	1550	4299	280	43.7	68.7	4.7	12.3	1.4	2.2	0.3	1.3	0.2	29.0	3.07	36.6	1.2
KGKRC125	6.00	7.00	5645	11293	1134	3263	217	35.3	57.7	4.0	10.8	1.3	2.5	0.3	1.1	0.2	29.2	2.17	28.2	0.8
KGKRC125	7.00	8.00	4331	8925	930	2777	194	30.6	48.1	3.7	10.4	0.9	2.2	0.2	1.0	0.1	22.4	1.73	37.0	1.7
KGKRC125	8.00	9.00	6791	14563	1531	4677	317	47.6	70.1	4.4	10.4	1.2	2.4	0.2	1.3	0.1	26.5	2.80	33.9	2.8
KGKRC125	9.00	10.00	6834	14373	1552	4648	321	47.8	70.1	4.9	11.9	1.0	2.2	0.2	1.6	0.1	28.1	2.79	40.3	2.8
KGKRC125	10.00	11.00	4841	9739	991	2855	175	24.7	37.1	2.7	7.1	0.8	1.3	0.1	1.2	0.1	20.3	1.87	19.7	2.7
KGKRC125	11.00	12.00	5985	12290	1271	3799	257	40.8	57.6	4.1	11.1	1.0	1.9	0.1	1.1	0.1	24.9	2.37	34.2	2.6
KGKRC125	12.00	13.00	4411	9586	1045	3189	216	32.2	47.2	2.7	7.5	0.8	1.1	0.1	0.8	-0.1	17.7	1.86	19.1	1.4
KGKRC125	13.00	14.00	8496	17499	1808	5343	339	49.0	71.3	4.5	10.7	1.0	1.9	0.2	0.8	-0.1	22.7	3.36	31.5	1.5
KGKRC125	14.00	15.00	6414	13405	1410	4160	276	40.6	59.9	4.1	9.4	1.0	1.7	0.2	0.9	0.1	22.0	2.58	29.7	0.8
KGKRC125	15.00	16.00	5469	11266	1160	3439	230	34.6	51.2	3.3	8.3	1.0	1.4	0.1	1.3	0.1	20.2	2.17	23.9	1.5
KGKRC125	16.00	17.00	4742	9580	973	2830	180	27.0	40.0	2.8	6.8	0.8	1.5	-0.1	0.9	-0.1	17.3	1.84	17.6	2.3
KGKRC125	17.00	18.00	2807	5758	576	1703	106	16.0	23.9	1.9	4.8	0.6	1.5	0.2	1.4	-0.1	13.0	1.10	13.3	2.9
KGKRC125	18.00	19.00	6115	13094	1407	4343	299	44.9	65.3	4.1	9.9	0.9	1.5	0.2	0.8	-0.1	20.1	2.54	28.9	2.2
KGKRC125	19.00	20.00	3494	8084	916	2971	262	46.2	78.4	6.0	18.0	2.0	3.4	0.3	2.2	0.2	45.5	1.59	54.4	6.6
KGKRC125	20.00	21.00	5992	13249	1435	4390	308	45.3	66.0	4.0	9.1	0.9	1.4	-0.1	0.9	-0.1	18.4	2.55	30.0	2.9
KGKRC125	21.00	22.00	9668	19284	1913	5655	387	65.5	106.4	7.9	24.5	2.4	3.9	0.5	2.8	0.2	60.7	3.72	83.9	1.4
KGKRC125	22.00	23.00	10134	19258	1850	5246	313	46.2	66.7	4.5	10.3	1.0	2.1	0.1	1.1	-0.1	24.3	3.70	34.5	1.0
KGKRC125	23.00	24.00	7743	15053	1443	4055	250	39.0	58.5	4.1	10.8	1.2	1.8	0.2	1.1	-0.1	25.3	2.87	31.5	1.3
KGKRC125	24.00	25.00	5409	10435	1157	3378	214	31.8	45.3	3.3	8.4	0.8	1.5	0.1	1.0	-0.1	19.2	2.07	19.3	0.9
KGKRC125	25.00	26.00	8105	16656	1684	4856	297	43.1	61.7	4.4	10.8	1.4	2.1	0.3	1.1	0.1	28.2	3.17	30.5	1.4
KGKRC125	26.00	27.00	5712	11144	1088	3075	186	28.0	40.7	3.3	8.4	0.9	1.6	0.2	1.1	-0.1	21.0	2.13	20.4	1.0
KGKRC125	27.00	28.00	2068	4468	470	1418	94	14.0	22.6	1.8	6.3	0.9	2.2	0.2	1.8	0.1	25.9	0.86	8.6	1.5
KGKRC125	28.00	29.00	6099	12650	1287	3801	267	41.5	62.5	4.1	11.0	1.0	1.7	0.1	0.8	-0.1	23.4	2.43	33.2	3.6
KGKRC125	29.00	30.00	1846	4086	462	1554	175	36.6	74.6	7.7	32.1	4.5	10.0	1.1	5.9	0.8	121.8	0.84	49.9	7.5
KGKRC125	30.00	31.00	2848	5855	621	2007	203	43.0	89.5	9.8	43.2	6.1	12.8	1.5	8.1	0.9	159.4	1.19	69.0	10.5
KGKRC125	31.00	32.00	8995	17914	1805	5409	369	58.5	85.7	6.4	19.2	2.3	4.4	0.5	2.6	0.3	52.5	3.47	48.3	5.1
KGKRC125	32.00	33.00	5920	12386	1271	3865	268	42.4	61.8	4.5	10.1	1.0	2.4	0.2	1.2	0.1	23.0	2.39	34.1	4.0
KGKRC125	33.00	34.00	5335	11793	1274	3973	295	46.4	72.1	5.4	15.3	1.6	2.7	0.3	2.2	0.3	34.9	2.29	68.4	3.0
KGKRC125	34.00	35.00	4621	10183	1093	3417	239	35.1	50.0	3.4	9.3	0.8	1.6	0.2	1.0	0.1	20.8	1.97	25.6	2.6
KGKRC125	35.00	36.00	5599	12107	1293	3927	266	39.6	59.9	4.0	9.9	0.9	1.9	0.1	1.4	-0.1	23.6	2.33	32.8	2.3
KGKRC125	36.00	37.00	4668	10348	1105	3338	226	32.5	51.2	3.5	10.4	1.0	2.2	0.2	1.0	0.2	23.2	1.98	31.6	2.1
KGKRC125	37.00	38.00	4877	10311	1084	3264	227	35.3	55.2	4.2	11.4	1.3	2.3	0.3	1.0	0.2	28.3	1.99	48.4	2.9
KGKRC125	38.00	39.00	3713	7699	793	2354	168	27.2	43.5	3.9	11.6	1.3	2.1	0.3	1.7	0.2	28.2	1.48	47.6	1.9
KGKRC125	39.00	40.00	7519	14053	1361	3805	253	41.9	67.3	5.1	13.5	1.4	3.0	0.2	1.5	0.2	32.1	2.72	47.0	1.4
KGKRC125	40.00	41.00	3447	7143	722	2108	135	20.4	30.5	2.2	6.3	0.7	1.4	0.1	0.9	-0.1	16.1	1.36	15.0	1.2
KGKRC125	41.00	42.00	8338	16759	1705	5139	343	52.8	79.9	5.7	14.8	1.5	1.9	0.1	1.0	0.1	28.6	3.25	46.6	4.5
KGKRC125	42.00	43.00	4385	9421	996	2997	199	29.1	45.9	3.1	7.9	0.8	1.6	0.2	0.8	-0.1	20.2	1.81	23.1	3.4
KGKRC125	43.00	44.00	5724	12020	1285	3843	259	39.6	56.8	3.8	9.5	0.8	1.7	0.2	0.9	-0.1	19.6	2.33	25.6	2.8
KGKRC125	44.00	45.00	4874	10305	1109	3417	248	36.4	52.7	3.5	7.7	0.8	1.4	0.1	0.6	-0.1	18.4	2.01	25.0	4.2
KGKRC125	45.00	46.00	4542	9324	996	3085	225	32.0	46.2	3.1	8.0	0.8	1.4	0.2	0.8	-0.1	17.8	1.83	22.8	4.6
KGKRC125	46.00	47.00	4178	8423	861	2588	176	27.2	39.8	3.1	7.7	0.9	1.5	0.2	1.0	0.1	18.7	1.63	21.1	4.3
KGKRC125	47.00	48.00	5631	11697	1232	3722	265	41.6	62.0	4.4	12.2	1.5	2.7	0.3	1.6	0.2	33.3	2.27	38.4	4.9

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC125	48.00	49.00	8826	18626	1948	6022	420	61.8	91.7	5.9	14.2	1.3	2.3	0.3	0.9	-0.1	30.1	3.61	45.7	2.8
KGKRC125	49.00	50.00	5962	12713	1327	4011	261	38.4	58.2	3.7	9.2	0.9	1.6	0.1	0.5	-0.1	19.4	2.44	28.1	4.4
KGKRC125	50.00	51.00	4944	10139	1047	3088	210	32.3	49.9	3.5	9.4	1.0	1.6	0.2	1.3	-0.1	22.2	1.95	25.4	1.7
KGKRC125	51.00	52.00	5449	10398	1025	2943	199	31.2	48.9	3.3	9.2	0.9	1.7	0.2	1.2	0.1	22.5	2.01	26.5	3.5
KGKRC125	52.00	53.00	5618	11774	1220	3602	239	36.4	51.2	3.5	8.3	1.0	1.7	0.1	1.4	0.1	19.1	2.26	27.3	4.3
KGKRC125	53.00	54.00	7076	14721	1480	4137	248	36.9	54.0	3.7	8.6	0.7	1.4	0.1	0.8	-0.1	16.6	2.78	30.6	1.4
KGKRC125	54.00	55.00	14935	31702	3175	9225	559	80.0	115.7	8.0	18.1	1.5	2.2	0.1	1.0	-0.1	33.3	5.99	69.2	1.2
KGKRC125	55.00	56.00	14484	30069	3122	9147	576	84.9	119.7	7.7	17.6	1.5	1.9	0.2	1.3	0.1	33.8	5.77	64.4	2.3
KGKRC125	56.00	57.00	5907	11735	1191	3546	234	37.2	54.2	3.7	10.9	1.0	1.6	0.2	1.1	-0.1	21.6	2.27	27.2	1.7
KGKRC125	57.00	58.00	6835	14866	1570	4741	335	51.4	80.8	5.5	14.8	1.3	2.3	0.2	0.9	-0.1	29.8	2.85	51.9	2.7
KGKRC125	58.00	59.00	4494	9560	1002	3042	215	32.9	48.5	3.5	9.6	1.2	1.8	0.2	1.2	0.1	24.1	1.84	32.1	4.8
KGKRC125	59.00	60.00	5344	10944	1137	3360	223	35.2	54.7	4.2	13.1	1.4	2.4	0.2	1.0	-0.1	31.4	2.12	34.8	3.8
KGKRC125	60.00	61.00	15263	26065	2368	6495	402	66.8	113.7	10.2	30.4	3.4	4.7	0.3	1.5	0.1	71.5	5.09	106.5	1.5
KGKRC125	61.00	62.00	10977	19335	1767	4662	297	49.6	82.9	7.5	24.3	2.8	4.6	0.3	2.4	0.2	65.4	3.73	70.9	1.9
KGKRC125	62.00	63.00	8485	15103	1416	3829	258	43.3	74.4	6.8	21.5	2.5	4.0	0.3	2.1	0.2	60.3	2.93	55.7	3.6
KGKRC125	63.00	64.00	2280	5201	582	1892	176	33.2	64.8	6.1	24.9	3.6	8.5	0.9	6.3	0.7	102.7	1.04	42.7	7.2
KGKRC125	64.00	65.00	1352	2895	310	1037	123	27.3	59.8	6.5	30.0	4.6	11.0	1.1	6.2	0.8	125.1	0.60	41.9	12.9
KGKRC125	65.00	66.00	1899	3743	380	1207	128	27.9	60.1	6.6	26.9	3.7	8.4	1.0	5.1	0.7	102.6	0.76	55.7	13.3
KGKRC125	66.00	67.00	1375	3303	398	1387	165	34.5	74.9	7.8	32.1	4.6	10.8	1.4	9.2	0.9	130.9	0.69	80.8	11.5
KGKRC125	67.00	68.00	3177	6246	623	1903	175	34.4	63.5	6.1	24.0	3.6	7.3	0.8	4.7	0.6	92.2	1.24	57.2	11.7
KGKRC125	68.00	69.00	907	1983	225	792	108	25.0	57.0	6.8	30.6	4.5	10.2	1.1	6.7	0.8	125.3	0.43	42.9	7.5
KGKRC125	69.00	70.00	768	1718	194	697	98	24.2	51.4	6.1	27.5	4.6	9.4	1.3	6.1	0.7	116.1	0.37	32.9	5.9
KGKRC125	70.00	71.00	786	1745	197	700	100	24.0	54.6	6.2	27.4	4.2	10.6	1.1	6.5	0.7	117.5	0.38	30.1	5.2
KGKRC125	71.00	72.00	1231	2754	313	1072	139	32.4	68.1	7.9	34.8	4.9	11.8	1.5	8.1	1.0	151.5	0.58	55.6	19.7
KGKRC125	72.00	73.00	3952	7476	717	2054	157	28.3	51.4	4.5	15.4	2.0	4.2	0.6	2.9	0.3	56.5	1.45	45.1	27.0
KGKRC125	73.00	74.00	7964	14822	1419	3943	258	42.4	69.6	5.2	14.8	1.7	3.0	0.2	1.9	0.2	42.3	2.86	47.6	28.7
KGKRC125	74.00	75.00	6874	13168	1259	3590	252	41.8	67.4	5.1	15.5	1.8	3.5	0.5	3.3	0.3	42.9	2.53	45.9	16.9
KGKRC125	75.00	76.00	3949	8031	811	2498	199	33.9	55.8	4.0	12.1	1.4	2.6	0.2	1.4	0.1	29.3	1.56	34.8	17.1
KGKRC125	76.00	77.00	2820	5835	607	1946	182	33.0	55.0	4.4	12.7	1.6	3.0	0.5	2.8	0.3	40.0	1.15	40.0	16.6
KGKRC125	77.00	78.00	5049	10057	1015	3123	276	48.8	83.8	6.1	17.0	1.7	2.9	0.2	1.8	0.2	38.6	1.97	46.3	15.0
KGKRC125	78.00	79.00	6478	11965	1151	3217	248	42.3	68.0	5.2	14.4	1.6	2.9	0.3	1.7	0.1	35.1	2.32	44.5	18.4
KGKRC125	79.00	80.00	1959	4339	496	1787	262	57.4	99.3	7.4	20.3	1.8	3.8	0.3	1.8	0.3	46.1	0.91	61.3	10.1
KGKRC125	80.00	81.00	2682	5701	601	1967	198	36.5	60.8	4.8	13.8	1.7	2.7	0.5	2.0	0.2	37.0	1.13	36.7	11.4
KGKRC125	81.00	82.00	2444	5151	551	1782	177	34.5	61.4	4.8	14.6	2.0	3.7	0.6	4.3	0.3	50.2	1.03	49.7	11.5
KGKRC125	82.00	83.00	2355	5016	533	1685	153	27.1	47.2	3.4	11.1	1.3	3.1	0.3	2.1	0.3	34.0	0.99	34.1	11.8
KGKRC125	83.00	84.00	2499	5191	530	1573	112	17.5	27.7	2.2	6.2	0.9	1.8	0.1	1.0	0.1	18.7	1.00	19.7	20.9
KGKRC125	84.00	85.00	2547	5931	663	2214	216	40.5	68.0	5.4	16.8	2.0	4.5	0.6	4.1	0.6	52.1	1.18	46.0	21.0
KGKRC125	85.00	86.00	1571	3748	434	1523	170	34.2	63.3	5.7	26.5	4.0	11.0	1.6	8.9	1.3	126.1	0.77	45.0	18.6
KGKRC125	86.00	87.00	4563	9946	1101	3472	329	62.3	119.8	12.9	59.6	10.5	27.3	4.0	27.7	4.2	321.4	2.01	88.5	20.1
KGKRC125	87.00	88.00	1423	3574	426	1546	189	39.1	72.7	6.0	22.0	3.2	7.2	0.9	5.7	0.8	79.9	0.74	40.0	16.4
KGKRC125	88.00	89.00	969	2281	268	999	163	39.5	87.6	9.2	39.8	6.8	15.2	1.9	13.6	1.7	185.0	0.51	66.1	17.6
KGKRC125	89.00	90.00	996	2484	305	1177	191	46.3	102.1	10.4	41.6	6.9	14.8	1.7	10.8	1.4	193.4	0.56	62.3	14.4
KGKRC125	90.00	91.00	999	2465	299	1112	175	44.2	100.2	13.6	68.9	11.8	28.0	3.1	16.1	1.9	343.3	0.57	62.5	15.5
KGKRC125	91.00	92.00	1386	3358	420	1475	161	31.4	54.1	4.5	16.2	2.1	4.6	0.5	3.6	0.5	60.6	0.70	44.5	8.7
KGKRC125	92.00	93.00	2543	5680	680	2279	240	47.8	85.2	7.8	27.7	3.6	7.0	0.7	5.6	0.8	91.7	1.17	45.7	13.1

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC125	93.00	94.00	1312	3230	437	1612	242	53.5	103.6	9.9	35.9	5.5	11.0	1.1	8.0	1.0	149.0	0.72	69.9	15.6
KGKRC125	94.00	95.00	1016	2678	365	1438	224	53.2	109.8	11.3	45.7	6.4	13.7	1.5	8.1	1.1	186.4	0.62	54.6	14.9
KGKRC125	95.00	96.00	1138	2899	393	1477	237	55.6	111.9	11.5	45.9	6.9	13.3	1.5	8.2	1.0	188.0	0.66	49.7	13.7
KGKRC125	96.00	97.00	989	2412	316	1181	198	50.3	110.8	11.5	43.2	6.0	12.0	1.5	8.4	1.3	174.9	0.55	50.9	11.6
KGKRC125	97.00	98.00	1975	4463	532	1819	221	49.0	100.2	9.2	36.0	5.0	11.1	1.1	7.3	1.0	144.9	0.94	43.5	13.2
KGKRC125	98.00	99.00	1991	4767	606	2066	215	39.1	66.6	4.7	12.5	1.6	3.0	0.2	2.3	0.3	34.2	0.98	46.8	19.3
KGKRC125	99.00	100.00	9584	22572	2773	9170	910	164.0	282.8	18.5	47.1	5.0	7.1	0.6	3.4	0.5	102.7	4.56	167.1	26.2
KGKRC125	100.00	101.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KGKRC125	101.00	102.00	2201	5079	617	2143	269	57.1	109.7	9.5	35.5	4.8	10.8	1.4	6.1	0.8	136.3	1.07	44.8	18.2
KGKRC125	102.00	103.00	1170	2727	348	1270	180	41.8	83.8	8.1	31.1	4.4	9.2	0.9	5.0	0.7	118.9	0.60	29.3	17.5
KGKRC125	103.00	104.00	1682	3476	397	1309	168	39.0	91.0	10.1	46.1	7.0	16.0	1.8	10.0	1.5	192.8	0.74	33.3	20.9
KGKRC125	104.00	105.00	2641	5331	582	1797	169	36.1	69.3	6.6	26.6	3.7	8.1	0.8	5.9	1.0	111.6	1.08	35.4	15.8
KGKRC125	105.00	106.00	1108	2372	284	993	131	30.5	65.7	8.0	33.6	5.6	12.7	1.6	9.8	1.4	160.8	0.52	28.7	16.5
KGKRC125	106.00	107.00	836	1958	252	923	147	37.6	85.9	10.4	47.7	7.7	17.6	1.9	9.0	1.5	223.3	0.46	36.6	11.3
KGKRC125	107.00	108.00	2697	4961	530	1639	184	41.5	86.2	9.5	44.1	6.8	14.2	2.1	10.5	1.3	183.4	1.04	30.3	10.7
KGKRC125	108.00	109.00	6548	11739	1205	3450	268	48.8	82.1	6.2	18.1	2.2	3.9	0.5	2.1	0.2	52.1	2.34	41.7	9.6
KGKRC125	109.00	110.00	4554	8474	871	2470	183	30.9	50.7	3.9	10.8	1.5	2.5	0.2	1.4	0.3	32.8	1.67	28.3	12.5
KGKRC125	110.00	111.00	6104	11347	1166	3328	241	41.8	69.2	4.8	14.1	1.5	2.6	0.2	1.4	0.2	32.6	2.24	35.9	9.5
KGKRC125	111.00	112.00	6362	11682	1189	3457	263	46.9	80.9	5.9	14.8	1.5	2.4	0.2	1.7	0.2	37.1	2.31	38.4	11.6
KGKRC125	112.00	113.00	1974	4415	524	1704	168	30.8	54.4	3.9	13.2	1.4	3.2	0.3	2.0	0.3	37.6	0.89	27.5	10.0
KGKRC125	113.00	114.00	1698	3745	449	1511	175	35.9	73.5	7.2	31.6	4.7	12.6	1.4	9.5	1.3	144.1	0.79	34.4	11.1
KGKRC125	114.00	115.00	1427	2987	349	1151	146	31.8	69.2	7.4	32.3	5.2	12.7	1.4	10.2	1.4	155.1	0.64	32.1	14.9
KGKRC125	115.00	116.00	964	2160	274	967	147	37.2	91.3	11.1	54.6	9.2	22.1	2.7	19.5	3.0	287.8	0.50	63.4	14.9
KGKRC125	116.00	117.00	1770	3517	401	1300	144	31.2	64.7	6.2	25.9	4.0	9.0	1.4	8.6	1.3	122.6	0.74	35.2	12.6
KGKRC125	117.00	118.00	5915	10164	1033	2926	225	40.3	72.6	5.3	15.3	1.5	3.1	0.2	1.4	0.2	39.8	2.04	39.4	9.9
KGKRC125	118.00	119.00	2952	5725	613	1829	163	29.3	51.6	4.1	11.0	1.4	2.4	0.2	1.9	0.2	31.5	1.14	31.5	14.7
KGKRC125	119.00	120.00	3040	5949	649	1970	174	32.1	55.8	3.9	12.2	1.4	2.7	0.1	1.5	0.1	34.8	1.19	36.2	14.0
KGKRC125	120.00	121.00	1345	2647	303	1003	130	31.4	75.1	8.9	44.3	7.1	15.9	2.1	13.2	1.9	210.2	0.58	46.5	19.7
KGKRC125	121.00	122.00	1015	2083	247	845	127	30.9	79.1	9.9	48.9	7.9	18.4	2.2	13.5	1.9	236.1	0.48	42.1	16.2
KGKRC125	122.00	123.00	5290	10221	1112	3345	287	54.7	100.2	8.4	26.5	3.2	6.3	0.7	4.8	0.6	86.1	2.05	54.8	11.3
KGKRC125	123.00	124.00	1205	2545	303	1046	144	35.0	78.4	8.1	38.5	5.6	13.2	1.5	9.8	1.3	169.4	0.56	28.5	14.0
KGKRC125	124.00	125.00	949	1927	231	789	118	30.1	71.3	8.0	37.6	6.1	13.3	1.5	10.2	1.4	163.8	0.44	32.7	12.0
KGKRC125	125.00	126.00	3144	6240	687	2109	201	38.8	79.2	6.8	26.3	3.8	8.1	1.0	5.7	1.0	110.6	1.27	49.9	11.8
KGKRC125	126.00	127.00	5059	10003	1069	3171	240	41.3	68.6	4.9	14.4	1.4	2.4	0.2	1.1	0.1	35.7	1.97	42.2	8.6
KGKRC125	127.00	128.00	5135	10118	1076	3182	249	43.0	70.3	5.4	14.4	1.6	2.6	0.2	1.3	0.2	35.9	1.99	43.5	9.9
KGKRC125	128.00	129.00	4940	9349	979	2847	228	40.6	70.8	5.5	17.6	1.7	3.2	0.3	1.9	0.2	43.6	1.85	44.9	7.1
KGKRC125	129.00	130.00	4697	9179	965	2821	211	36.9	65.3	5.2	15.7	2.2	3.5	0.3	2.3	0.2	47.5	1.81	39.7	7.7
KGKRC125	130.00	131.00	6997	13727	1452	4215	320	58.0	97.8	7.5	24.5	2.9	5.0	0.5	2.3	0.5	67.2	2.70	67.1	8.0
KGKRC125	131.00	132.00	7222	14180	1496	4357	329	56.0	94.6	6.6	18.6	1.6	2.9	0.2	1.0	0.1	40.6	2.78	60.8	7.2
KGKRC125	132.00	133.00	4242	8482	916	2628	199	35.1	57.9	3.8	10.4	1.2	1.9	0.1	1.1	0.1	26.0	1.66	35.9	7.0
KGKRC125	133.00	134.00	9990	18848	1966	5705	439	76.5	131.1	9.1	23.5	2.3	3.5	0.2	1.6	0.1	48.0	3.72	84.8	6.9
KGKRC125	134.00	135.00	9101	17381	1818	5234	391	66.8	112.2	8.1	21.6	2.2	3.3	0.2	1.3	0.2	48.5	3.42	64.7	7.8
KGKRC125	135.00	136.00	8937	17019	1813	5268	413	73.4	124.8	9.4	30.5	3.4	7.3	0.6	3.9	0.6	88.9	3.38	70.0	12.9
KGKRC125	136.00	137.00	3863	7121	765	2381	279	61.6	135.9	13.6	57.4	8.0	17.3	1.6	10.8	1.4	235.8	1.50	48.7	12.1
KGKRC125	137.00	138.00	1559	3086	366	1272	206	54.1	128.3	16.4	74.7	11.9	27.3	3.4	20.8	3.0	352.7	0.72	92.3	13.0

# LINDIAN

RESOURCES LTD.

Hole ID	From m	To m	La <sub>2</sub> O <sub>3</sub> ppm	CeO <sub>2</sub> ppm	Pr <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO %	Th ppm	U ppm
KGKRC125	138.00	139.00	3150	7603	894	2893	267	49.3	88.6	6.8	22.4	2.6	5.7	0.6	4.5	0.7	74.7	1.51	77.7	13.4
KGKRC125	139.00	140.00	2342	5420	647	2122	225	45.0	85.7	7.7	28.8	3.8	8.5	0.9	6.5	1.0	106.5	1.11	56.9	11.3
KGKRC125	140.00	141.00	1194	2672	325	1103	134	28.6	62.4	6.4	26.5	4.1	10.8	1.7	11.4	1.8	125.0	0.57	60.9	12.4
KGKRC125	141.00	142.00	3867	8183	916	2810	257	47.4	91.4	8.5	33.2	4.6	10.6	1.4	9.6	1.5	130.8	1.64	72.1	17.3
KGKRC125	142.00	143.00	1722	3347	361	1146	141	35.6	77.3	7.8	32.8	4.9	13.2	1.7	11.9	1.7	151.6	0.71	82.2	10.6
KGKRC125	143.00	144.00	3336	6337	660	1909	161	31.4	60.6	5.8	20.5	3.1	6.1	0.8	4.7	0.6	72.4	1.26	37.8	11.3
KGKRC125	144.00	145.00	9193	14106	1234	3129	214	40.6	78.1	8.1	28.6	4.1	10.4	0.9	6.9	0.8	113.9	2.82	43.4	11.8
KGKRC125	145.00	146.00	6318	10603	985	2565	162	29.5	55.1	5.1	18.8	2.5	5.6	0.7	5.1	0.6	72.6	2.08	25.1	8.9
KGKRC125	146.00	147.00	1154	2141	220	650	65	14.8	32.4	3.4	14.2	2.3	5.5	0.7	4.0	0.6	61.3	0.44	15.9	11.1
KGKRC125	147.00	148.00	1024	2119	247	838	122	30.7	70.8	8.0	35.6	5.7	12.5	1.4	8.6	1.3	146.9	0.47	15.5	9.1
KGKRC125	148.00	149.00	893	1772	200	684	106	27.4	66.1	7.8	38.2	6.1	15.7	1.9	11.8	1.7	185.0	0.40	14.3	8.6
KGKRC125	149.00	150.00	3621	7802	878	2736	266	51.1	96.8	7.7	27.7	3.6	7.9	1.0	6.4	0.8	102.0	1.56	57.4	9.9

## JORC Code, 2012 Edition – Table 1 report

### Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>• Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>• Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>• Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>• In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<p><b>Reverse Circulation Drilling</b></p> <p>Reverse circulation drilling sampled on 1 metre intervals.</p> <p>Riffle split sample mass averaging 1.5kg crushed, pulverized using standard laboratory procedures with subsample assayed using appropriate methods for rare earth element total digestion and analysis.</p> <p><b>Diamond Core Drilling</b></p> <p>Drill core was collected from a core barrel and placed in appropriately marked core trays. Down hole core run depths were measured and marked with core blocks. Core was measured for core loss and core photography and geological logging completed.</p> <p>Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre and minimum of 0.2 metre applied.</p> <p>Core was cut using a core saw and sampled on site at Kangankunde.</p> <p>Core was initially cut in half then one half was further cut in half to give quarter core.</p> <p>Quarter core was submitted to ALS for chemical analysis using industry standard sample preparation and analytical techniques.</p>
Drilling techniques	<ul style="list-style-type: none"> <li>• Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<p><b>Reverse Circulation Drilling</b></p> <p>Standard reverse circulation drilling using 5 ¼ inch face sampling hammer.</p> <p><b>Diamond Core Drilling</b></p> <p>Core size was HQ triple tube with a nominal diameter of 61.1mm.</p>
Drill sample recovery	<ul style="list-style-type: none"> <li>• Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>• Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>• Whether a relationship exists between sample recovery and grade and whether</li> </ul>	<p><b>Reverse Circulation Drilling</b></p> <p>Samples collected on a 1 drilled metre interval. Rock cuttings collected in large plastic bags marked with hole ID and interval from-to via a standard sample collection cyclone.</p>

Criteria	JORC Code explanation	Commentary
	<p><i>sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i></p>	<p>All 1 metre interval bags are weighed in the field after removal from the sample collection cyclone. Collected sample mass is measured on a tared digital scale and recorded in drill hole data files.</p> <p>Sample recovery is maximized by:</p> <ul style="list-style-type: none"> <li>Installing PVC collar pipe in the upper fractured rock zone of the hole to a depth where air loss is minimised and sample return is consistent.</li> <li>Sample cyclone is sealed to plastic sample collection bags do not leak</li> </ul> <p>Sample return was variable with:</p> <ul style="list-style-type: none"> <li>Occasional natural voids of up to 7 metres having &lt;10%, often 0% return</li> <li>Intervals of rock fracturing and loss of air circulation having recoveries averaging 30-60%</li> <li>Competent rock proved good sample recovery averaging &gt;90%</li> </ul> <p>No relationship exists between sample recovery and grade.</p> <p><b>Diamond Core Drilling</b></p> <p>Core recovery was calculated by measuring actual core length versus drillers core run lengths. Core recovery ranged from 0% in instances where voids or structures caused complete core loss to 100% and averaged 92%.</p> <ul style="list-style-type: none"> <li>No relationship exists between core recovery and grade.</li> </ul>
<p><i>Logging</i></p>	<ul style="list-style-type: none"> <li><i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i></li> <li><i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i></li> <li><i>The total length and percentage of the relevant intersections logged.</i></li> </ul>	<p>All RC chips and core has been geologically logged by the onsite geologist and chip and core trays retained and photographed</p> <p>Logging is qualitative with fields including shade, colour, weathering, grainsize, texture, lithology, veining, mineralisation and alteration.</p> <p>Additional non-geological qualitative logging includes comments for sample recovery, moisture, and hardness for each logged interval.</p>
<p><i>Sub-sampling techniques and sample preparation</i></p>	<ul style="list-style-type: none"> <li><i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li><i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i></li> <li><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<p><b>Reverse Circulation Drilling</b></p> <p>Plastic sample collection bags have been split using a 2-tier riffle splitter to achieve a ¼ sub sample of the original mass.</p> <p>This split is then halved in a single tier splitter to give 2 equal samples of approximately 1kg to 2kg in mass. These are denoted split A and split B</p> <p>Each interval is provided with a unique sample number which is written on the subsample bags and corresponding numbered sample tickets are placed within the sub sample bags and stapled into the rolled top of each bag.</p> <p>Both split A and split B samples are weighed with mass recorded in the drill hole file for database upload.</p>

Criteria	JORC Code explanation	Commentary																																									
		<p>Split A samples are dispatched for laboratory analysis. Split B samples are retained in storage at Kangankunde for future reference as required.</p> <p>Sample weights were recorded prior to sample dispatch. Sample mass is considered appropriate for the grain size of the material being sampled.</p> <p><b>Diamond Core Drilling</b></p> <p>Samples were collected from core trays by hand and placed in individually numbered bags. These bags were dispatched to the assay laboratory for analysis with no further field preparation.</p> <p>Sample weights were recorded prior to sample dispatch. Sample mass is considered appropriate for the grain size of the material being sampled.</p> <p>Field duplicate sampling was conducted at a ratio of 1:20 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample.</p>																																									
<p>Quality of assay data and laboratory tests</p>	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<p><b>Assay and Laboratory Procedures – All Samples</b></p> <p>Samples were dispatched by air freight direct to Intertek laboratory Johannesburg South Africa for sample preparation.</p> <table border="1" data-bbox="1173 863 1720 1129"> <thead> <tr> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Received sample weight</td> </tr> <tr> <td>Sample Login w/o Barcode</td> </tr> <tr> <td>High temperature drying</td> </tr> <tr> <td>Fine crushing – 70% &lt;2mm</td> </tr> <tr> <td>Split sample – Riffle splitter</td> </tr> <tr> <td>Pulverise 250g to 85% passing 75 micron</td> </tr> <tr> <td>Crushing QC Test</td> </tr> <tr> <td>Pulverising QC test</td> </tr> </tbody> </table> <p>Following sample preparation, a 30 gram pulverized subsample is shipped by airfreight to Intertek Perth for analysis</p> <p>The assay technique used for REE was Lithium Borate Fusion ICP-MS (lab code CP MS-OES (FB6/OM)). This is a recognised industry standard analysis technique for REE suite and associated elements. Elements analysed at ppm levels:</p> <table border="1" data-bbox="1319 1345 1989 1458"> <tbody> <tr> <td>Ba</td> <td>Cd</td> <td>Ce</td> <td>Dy</td> <td>Er</td> <td>Eu</td> <td>Ga</td> <td>Gd</td> </tr> <tr> <td>Ho</td> <td>La</td> <td>Lu</td> <td>Nb</td> <td>Nd</td> <td>Pr</td> <td>Rb</td> <td>Sc</td> </tr> <tr> <td>Sm</td> <td>Sr</td> <td>Ta</td> <td>Tb</td> <td>Th</td> <td>Tm</td> <td>U</td> <td>Y</td> </tr> <tr> <td>Yb</td> <td>Zn</td> <td>Zr</td> <td>Al2O3</td> <td>CaO</td> <td>Fe2O3</td> <td>MnO</td> <td>P2O5</td> </tr> </tbody> </table>	Description	Received sample weight	Sample Login w/o Barcode	High temperature drying	Fine crushing – 70% <2mm	Split sample – Riffle splitter	Pulverise 250g to 85% passing 75 micron	Crushing QC Test	Pulverising QC test	Ba	Cd	Ce	Dy	Er	Eu	Ga	Gd	Ho	La	Lu	Nb	Nd	Pr	Rb	Sc	Sm	Sr	Ta	Tb	Th	Tm	U	Y	Yb	Zn	Zr	Al2O3	CaO	Fe2O3	MnO	P2O5
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<p>Verification of sampling and assaying</p>	<ul style="list-style-type: none"> <li>• The verification of significant intersections by either independent or alternative company personnel.</li> <li>• The use of twinned holes.</li> <li>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>• Discuss any adjustment to assay data.</li> </ul>	<p>No independent verification of significant intersection undertaken.</p> <p>Sampling protocols for sampling and QAQC were documented and held on site by the responsible geologist. No procedures for data storage and management have been compiled yet.</p> <p>Data collected in the field by hand and entered into Excel spreadsheet. Data are then compiled with assay results compiled and stored in a secure database managed by Geobase Australia a professional provider of database services. Data verification is conducted on data entry including hole depths, sample intervals and sample numbers. Sample numbers from assay data are verified prior to entry into the database.</p> <p>Assay data was received in digital format from the laboratory and merged with the sampling data in the database.</p> <p>Data validation of assay data and sampling data have been conducted to ensure data entry is correct.</p>								

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		<p>All assay data received from the laboratory in element form is unadjusted for data entry.</p> <p>Conversion of elemental analysis (REE) to stoichiometric oxide (REO) was undertaken by spreadsheet using defined conversion factors.(Source:<a href="https://www.jcu.edu.au/advanced-analytical-centre/services-and-resources/resources-and-extras/element-to-stoichiometric-oxide-conversion-factors">https://www.jcu.edu.au/advanced-analytical-centre/services-and-resources/resources-and-extras/element-to-stoichiometric-oxide-conversion-factors</a>)</p> <table border="1" data-bbox="1384 440 1928 906"> <thead> <tr> <th>Element ppm</th> <th>Conversion Factor</th> <th>Oxide Form</th> </tr> </thead> <tbody> <tr><td>Ce</td><td>1.2284</td><td>CeO<sub>2</sub></td></tr> <tr><td>Dy</td><td>1.1477</td><td>Dy<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Er</td><td>1.1435</td><td>Er<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Eu</td><td>1.1579</td><td>Eu<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Gd</td><td>1.1526</td><td>Gd<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Ho</td><td>1.1455</td><td>Ho<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>La</td><td>1.1728</td><td>La<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Lu</td><td>1.1371</td><td>Lu<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Nd</td><td>1.1664</td><td>Nd<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Pr</td><td>1.2082</td><td>Pr<sub>6</sub>O<sub>11</sub></td></tr> <tr><td>Sm</td><td>1.1596</td><td>Sm<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Tb</td><td>1.1762</td><td>Tb<sub>4</sub>O<sub>7</sub></td></tr> <tr><td>Tm</td><td>1.1421</td><td>Tm<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Y</td><td>1.2699</td><td>Y<sub>2</sub>O<sub>3</sub></td></tr> <tr><td>Yb</td><td>1.1387</td><td>Yb<sub>2</sub>O<sub>3</sub></td></tr> </tbody> </table> <p>Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations are used for compiling REO into their reporting and evaluation groups:</p> <p>Note that Y<sub>2</sub>O<sub>3</sub> is included in the TREO calculation.</p> <p>TREO (Total Rare Earth Oxide) = La<sub>2</sub>O<sub>3</sub> + CeO<sub>2</sub> + Pr<sub>6</sub>O<sub>11</sub> + Nd<sub>2</sub>O<sub>3</sub> + Sm<sub>2</sub>O<sub>3</sub> + Eu<sub>2</sub>O<sub>3</sub> + Gd<sub>2</sub>O<sub>3</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub> + Ho<sub>2</sub>O<sub>3</sub> + Er<sub>2</sub>O<sub>3</sub> + Tm<sub>2</sub>O<sub>3</sub> + Yb<sub>2</sub>O<sub>3</sub> + Y<sub>2</sub>O<sub>3</sub> + Lu<sub>2</sub>O<sub>3</sub>.</p> <p>HREO (Heavy Rare Earth Oxide) = Sm<sub>2</sub>O<sub>3</sub> + Eu<sub>2</sub>O<sub>3</sub> + Gd<sub>2</sub>O<sub>3</sub> + Tb<sub>4</sub>O<sub>7</sub> + Dy<sub>2</sub>O<sub>3</sub> + Ho<sub>2</sub>O<sub>3</sub> + Er<sub>2</sub>O<sub>3</sub> + Tm<sub>2</sub>O<sub>3</sub> + Yb<sub>2</sub>O<sub>3</sub> + Y<sub>2</sub>O<sub>3</sub> + Lu<sub>2</sub>O<sub>3</sub></p> <p>LREO (Light Rare Earth Oxide) = La<sub>2</sub>O<sub>3</sub> + CeO<sub>2</sub> + Pr<sub>6</sub>O<sub>11</sub> + Nd<sub>2</sub>O<sub>3</sub></p> <p>NdPrO% = Nd<sub>2</sub>O<sub>3</sub> + Pr<sub>6</sub>O<sub>11</sub></p> <p>NdPrO% of TREO= NdPrO%/TREO x 100</p>	Element ppm	Conversion Factor	Oxide Form	Ce	1.2284	CeO <sub>2</sub>	Dy	1.1477	Dy <sub>2</sub> O <sub>3</sub>	Er	1.1435	Er <sub>2</sub> O <sub>3</sub>	Eu	1.1579	Eu <sub>2</sub> O <sub>3</sub>	Gd	1.1526	Gd <sub>2</sub> O <sub>3</sub>	Ho	1.1455	Ho <sub>2</sub> O <sub>3</sub>	La	1.1728	La <sub>2</sub> O <sub>3</sub>	Lu	1.1371	Lu <sub>2</sub> O <sub>3</sub>	Nd	1.1664	Nd <sub>2</sub> O <sub>3</sub>	Pr	1.2082	Pr <sub>6</sub> O <sub>11</sub>	Sm	1.1596	Sm <sub>2</sub> O <sub>3</sub>	Tb	1.1762	Tb <sub>4</sub> O <sub>7</sub>	Tm	1.1421	Tm <sub>2</sub> O <sub>3</sub>	Y	1.2699	Y <sub>2</sub> O <sub>3</sub>	Yb	1.1387	Yb <sub>2</sub> O <sub>3</sub>
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<p>Location of data points</p>	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> </ul>	<p>Drill hole collar locations reported have been surveyed by Differential GPS and are considered accurate to 0.2m.</p> <p>Datum WGS84 Zone 36 South was used for location data planning, collection and storage. This is the appropriate datum for the project area. No grid transformations were applied to the data.</p>																																																

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li><i>Quality and adequacy of topographic control.</i></li> </ul>	<p>Downhole surveys were acquired using non-magnetic gyroscope survey</p> <p>Topography is derived from SRTM 30 metre digital elevation database.</p>
<i>Data spacing and distribution</i>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<p>Drill spacing for this phase of drilling is a nominal 50 metre hole spacing on 50 metre line spacing. Topography limitations have necessitated drilling some holes off section.</p> <p>Evaluation of hole spacing for suitability to determine geology and grade estimation will be undertaken following this phase of drilling.</p> <p>No mineral resource estimation has been undertaken.</p> <p>No sample compositing has been used.</p>
<i>Orientation of data in relation to geological structure</i>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i></li> </ul>	<p>The relationship between mineralisation and drill orientation is not known.</p>
<i>Sample security</i>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<p>After collection, the samples were transported by Company representatives via road to Lilongwe and dispatched via airfreight to Intertek Johannesburg South Africa. Sample shipments are managed by a professional cargo freight company and remain secure during transport.</p> <p>Following sample preparation subsamples are shipped to Perth Australia by Intertek using DHL. Samples are received in Australia and subject to customs inspection and quarantine treatment.</p> <p>Samples were subsequently transported from Australian customs to Intertek Perth via road freight.</p>
<i>Audits or reviews</i>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<p>No audits or reviews have been undertaken</p>

## Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<p>The Kangankunde Project comprising granted Exploration Licence EPL0514/18R and Mining Licence MML0290/22 is 100% owned by Rift Valley Resource Developments (RVRD) a Malawian registered company. Lindian Resources currently holds 67% of RVRD with a binding share purchase agreement in place to acquire 100 % of RVRD.</p>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<p>Previous exploration includes:</p> <p>1952-1958: Eight trenches excavated. No data records known to exist.</p> <p>1959: Geological mapping, ten trenches excavated, seven drill holes drilled below main trenches. Data not sighted.</p> <p>1972-1981: Trench mapping and sampling, adit driven 300 metres north to south with several crosscuts. Diamond drilling from crosscuts. Pilot plant operated producing strontianite and monazite concentrate. Limited data available in hard copy only.</p> <p>1987- 1990: Feasibility study activities including surface core drilling, processing studies, geotechnical and groundwater studies, estimation of “geological reserves” (Not JORC compliant). Limited data available in hard copy reports.</p> <p>Historical data is largely not available or not readily validated and is currently not reported.</p>
<i>Geology</i>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<p>Intrusive carbonatite containing monazite as the main rare earth bearing mineral.</p> <p>The Kangankunde carbonatite complex is characterized by an elliptic structure centring Kangankunde Hill. The diameters in N-S and E-W directions are 900m and 700m, respectively.</p> <p>In the ellipse, the following rocks are zonally arranged from the centre to the outer part; carbonatites, carbonatized breccias, wall rock / carbonatite breccias and basement rocks.</p> <p>The carbonatites are dolomitic, sideritic and ankeritic and at surface are distributed widely on the northern and western slopes of the Kangankunde Hill. Manganese carbonatite is found at the top and on the eastern slope of the hill.</p> <p>Monazite is found in all carbonatite types in varying quantities. Other associated minerals are strontianite, barite and apatite.</p>
<i>Drill hole Information</i>	<ul style="list-style-type: none"> <li>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:</li> </ul>	<p>The material information for drill holes relating to this announcement are contained in Appendix 1.</p>

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li>○ easting and northing of the drill hole collar</li> <li>○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>○ dip and azimuth of the hole</li> <li>○ down hole length and interception depth</li> <li>○ hole length.</li> <li>● 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.</li> </ul>	
Data aggregation methods	<ul style="list-style-type: none"> <li>● In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>● 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.</li> <li>● The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<p>Reported intersections are length weighted averages.</p> <p>No maximum or minimum grade cutting has been applied.</p> <p>All reported intercepts are drilled within the orebody and are rare earth mineralised with the lowest grade of 0.35%TREO reported. No geological natural cut-off has been observed and an economic cut-off is not appropriate at this stage of the project.</p> <p>Mineralised zones of higher grade within a fully mineralised hole have been highlighted using a threshold of 2% TREO with a maximum of 5 metres of contiguous internal waste used in the calculation. This cut-off is consistent with other similar deposits.</p> <p>No metal equivalents values are used.</p>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>● These relationships are particularly important in the reporting of Exploration Results.</li> <li>● If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>● If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> </ul>	<p>Down hole lengths reported, true widths are not known.</p>
Diagrams	<ul style="list-style-type: none"> <li>● 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.</li> </ul>	<p>Refer to diagrams in body of text.</p>
Balanced reporting	<ul style="list-style-type: none"> <li>● 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.</li> </ul>	<p>This report contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material.</p>
Other substantive exploration data	<ul style="list-style-type: none"> <li>● 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;</li> </ul>	<p>Multi element analysis has been conducted including potential radionuclides uranium (U) and thorium (Th) which are both reported in Appendix 2</p>

Criteria	JORC Code explanation	Commentary
	<p><i>bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></p>	
<p><i>Further work</i></p>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li>• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<p>Future work programs are intended to evaluate the economic opportunity of the project including extraction optimization, and resource definition.</p>