Assays from maiden drill program confirm significant high-grade clay-hosted rare earth discovery at Karloning

Widespread clay-hosted REE mineralisation intersected in the Company's first drill program, with grades up to 6,883ppm TREYO and the REE clay zone remaining open in multiple directions

Highlights

- Outstanding results received from the Company's maiden 1,906m/13-hole Reverse Circulation (RC) drill program at the Karloning REE-Niobium Project in WA.
- Enriched clay-hosted REE's returned in all holes that intersected the clay zone, with assays including:
  - **24m grading 1,503ppm TREYO from 8m**, including **12m grading 2,081ppm TREYO from 8m** (KGRC008***)
  - **28m grading 1,191ppm TREYO from 12m** (KGRC007*)
  - **16m grading 1,656ppm TREYO from 12m** (KGRC011***)
  - **36m grading 1,191ppm TRYO from 12m, including 16m grading 1,505ppm TREYO** from 12m (KGRC010*)
  - **11m grading 2,825ppm TREYO from 9m**, including **2m grading 6,883ppm TREYO from 13m** (KGRC001**) *(previously reported as 4m composites on 5 May as 12m grading 2,680ppm TREYO including 4m grading 4,764ppm TREYO, TREYO=Total Rare Earth Oxides plus Yttrium Oxide).*

  (4m composite samples, **1m samples, ***1m and 4m composite samples reported)*
- The REE clay zone remains laterally open to the south-west, north-east and south-east.
- Significantly, up to 25% of the mineralisation is contained in the high-value REE's which are critical in the supply chain for manufacturing magnets (MREO) for electric motors. This includes Neodymium (Nd), Praseodymium (Pr), Dysprosium (Dy) and Terbium (Tb) (MREO = Magnet Rare Earth Oxides)).
- Work is ongoing to assimilate the geological data received to date and refine the geological context for planning of the next phase of exploration, expected to be air-core drilling to further define the overall scale of the REE system at Karloning.
- **The results from the maiden drill program reinforce the outstanding potential of the Karloning REE Project, and Codrus' enviable position in an emerging rare earth district.**
- The Karloning Project represents an excellent opportunity for Codrus to diversify into the critical minerals space and build on its current gold and copper assets, providing exposure to a commodity sector with outstanding fundamentals and a strong growth outlook.

CODRUS MINERALS

ASX Announcement

9 June 2023

Investment Highlights

ASX Code	CDR/CDRO
Issued Capital	75,430,004
Listed Options @$0.125	39,000,002
Share Price	$0.165
Market Cap.	$12.4M
Cash (Mar '23)	$2.5M

Contact

Suite 3, Level 3
24 Outram Street
West Perth WA 6005

ASX: CDR

codrusminerals.com.au

@CodrusMinerals

Codrus Minerals

Codrus Minerals (ASX: **CDR**, **Codrus** or **the Company**) is pleased to advise that assay results received from the maiden RC drill program at its recently acquired **Karloning REE-Niobium Project** in WA have confirmed the discovery of a significant clay-hosted rare earth element (REE) system with strong growth potential.

Following the prioritised results for the top 40 metres of the first hole, KGRC001, reported on 5 May 2023, assay results have now been received for the balance of the 13-hole/1,906m program.

All holes that intersected the clay zone have returned enriched clay-hosted REE mineralisation across multiple high-grade REE intercepts, confirming the **Karloning Project's credentials as an outstanding REE growth opportunity**.

In November 2022, Codrus entered into a farm-in and joint venture agreement with Talgomine Minerals Pty Ltd (Talgomine) to earn up to a 90% interest in the Karloning Project, which is located in Western Australia's Wheatbelt region.

The Company has also pegged an additional tenement adjacent to this in its own right (see Figure 1 and Figure 2 and ASX announcement "Codrus Secures Large-Scale Niobium-Rich REE Project in WA", 23rd November 2022).

The Project offers compelling exploration potential for the high-value REE's used in the manufacture of high-strength permanent magnets – namely praseodymium, neodymium, terbium and dysprosium.

These elements are in high demand because of the explosive growth in industries that rely on permanent rare earth magnets, such as electric vehicles, wind turbines and other renewable energy applications.

Figure 1. Location of the Karloning REE Project in Western Australia's Wheatbelt.

Codrus Managing Director, Shannan Bamforth, said:

"The balance of assay results from our maiden 13-hole drill program have confirmed that we have a significant shallow clay-hosted REE discovery on our hands at Karloning.

"The assay results have revealed multiple thick intercepts of high-grade clay-hosted REE mineralisation over a zone measuring around 400 metres by 300 metres, with the clay-hosted REE zone remaining open to the south-west, north-east and south-east. Encouragingly, the grade profile of the intercepts is remarkably consistent across the width of the mineralised zones.

"Given that up to 25 per cent of the mineralisation is contained in the four key high-value REE's used in rare earth magnets, this is rapidly shaping up as a significant REE discovery in a potentially exciting new rare earths province.

"The next steps for us are to review the full suite of data from the drilling before planning the next phase of follow-up, which is likely to comprise wide-spaced air-core drilling to test the overall scale of the REE system."

The Karloning Project

The Karloning Project can be easily accessed by sealed roads via the town of Mukinbudin. The geology within the tenements (E70/5339 and E70/6306) comprises mainly medium-to-coarse grained biotite granite and adamellite with a large quartz-microcline pegmatite, known as the Karloning Pegmatite.

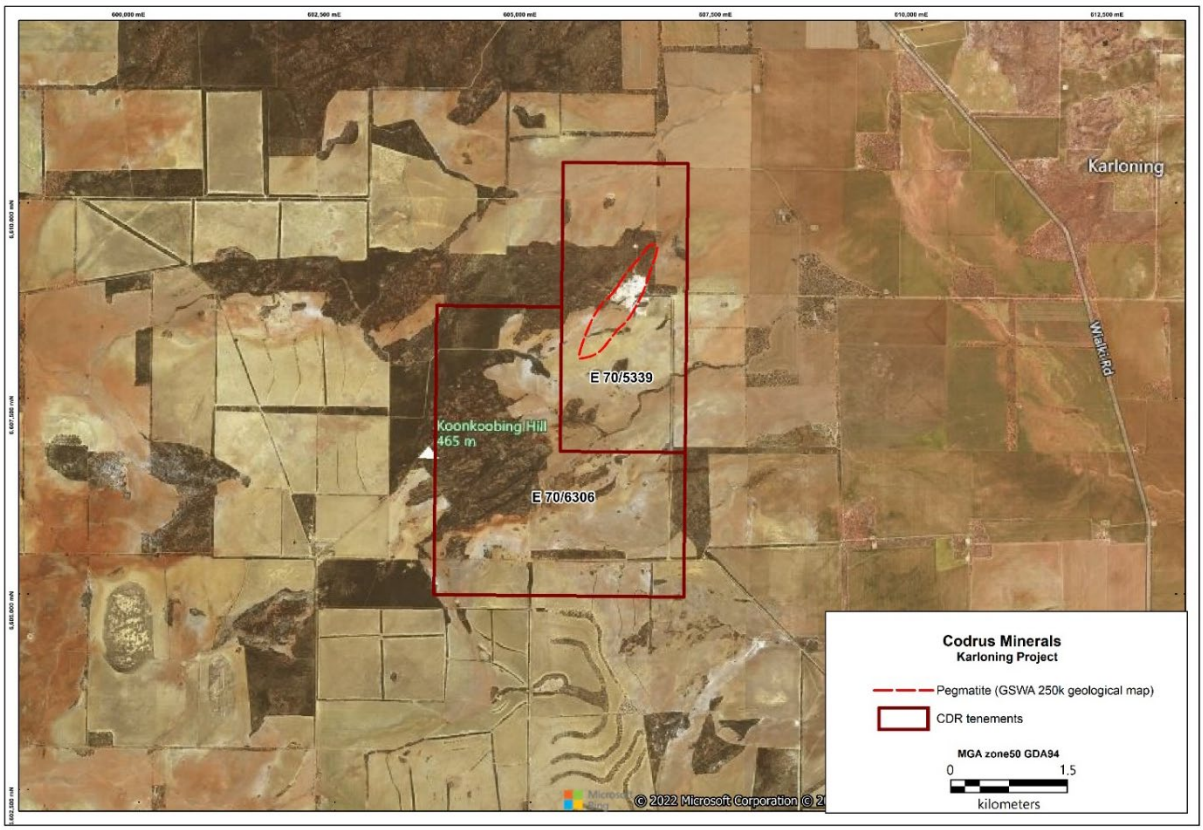

Figure 2. Karloning Project location showing the location of E70/5339 (Talgomine Joint Venture CDR earning in), and E70/6306 (100% Codrus), with the historical quarry visible in E70/5339.

Tertiary lateritic duricrusts skirt the granite outcrops and are eroded by the Quaternary paleo drainages forming broad sheetwash areas consisting of sands, clays and silts.

Mapping by the Geological Survey of Western Australia (1:250,000 Perth map sheet) shows a strike extent of ~1.5km for the Karloning Pegmatite, and Codrus believes there is a potential significant extension to the pegmatite beneath cover and for multiple pegmatite horizons to be discovered within the project area.

There are also broader zones of lower grade REE mineralisation in the widespread alkaline granite investigated to date.

Drilling

The maiden drill program comprised 13 holes for 1,906m of RC drilling. The holes ranged from 100m to 244m in depth. Twelve of the holes were drilled to test a soil Total Rare Earth plus Yttrium (TREY) anomaly extending south-west from the Karloning pegmatite quarry.

The drill spacing was nominally conducted at ~80m spacings on three sections spaced 100m apart. One hole was drilled to test south-westerly extensions of the pegmatite observed in the quarry (see Figure 3 and ASX announcement "Drilling commences at Niobium-Rich Karloning REE Project", 12th April 2023).

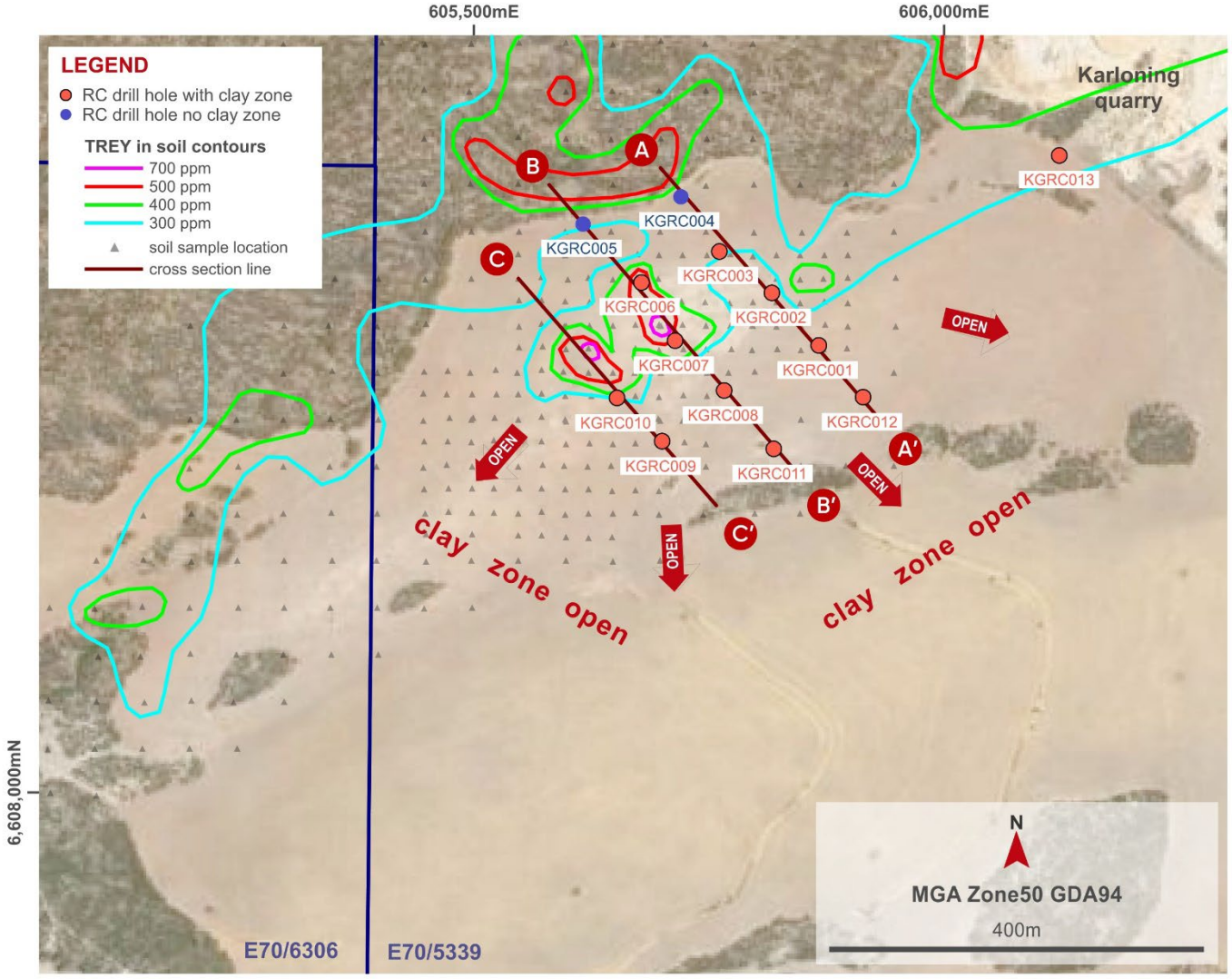

Figure 3. Karloning Project location showing the location of drill holes KGRC001 to KGRC013 and TREY soil anomaly contours, and the edge of the Karloning quarry in the top right.

Granite with pegmatite outcrops in the north-east (quarry) to north-west of the drilling area. All drill-holes were drilled to the south of this outcrop into areas interpreted to potentially contain clay and saprolite zones in weathered granite with pegmatite veins.

Of the 12 holes drilled in the area of the soil anomaly, 10 holes intersected the clay zone, with the other two holes (KGRC004 and KGRC005) drilled into zones of thin saprolite and then directly into fresh granite. The clay mineralisation observed is variable in thickness, but consistently distributed across the remainder of the drill holes and remains open.

The enriched clay mineralisation ranges in thickness from 8m to 20m (note all samples are 4m composite samples apart from KGRC001, where 1m assays have been returned) (see Table 1, and Figures 4, 5, 6,) and notably has significant enrichment in the high-value REEs used in the manufacture of high-strength permanent magnets - namely praseodymium, neodymium, terbium and dysprosium.

Best intersections include:

- KGRC001 - 11m grading 2,825ppm TREYO from 9m, including 2m grading 6,883ppm TREYO from 13m *(previously reported as 4m composites)*,
- KGRC008 - 24m grading 1,503ppm TREYO from 8m, including 12m grading 2,081ppm TREYO from 8m,
- KGRC007 - 28m grading 1,191ppm TREYO from 12m,
- KGRC010 - 36m grading 1,191ppm TREYO from 12m, including 16m grading 1,505ppm TREYO from 12m (KGRC010*), and
- KGRC011 - 16m grading 1,656ppm TREYO.

(For full assay results See Table 2.)

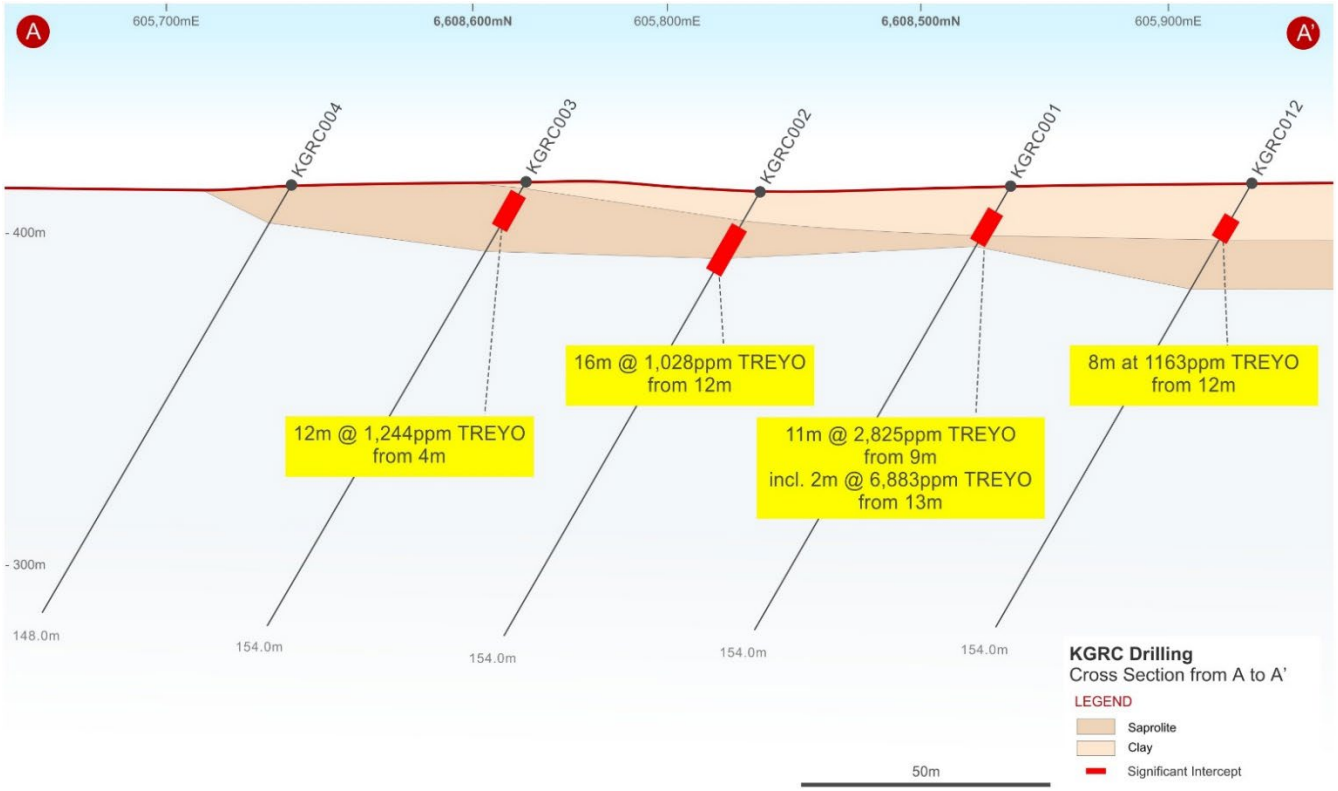

Figure 4. Cross section (A - A') of drilling at the Karloning REE Project

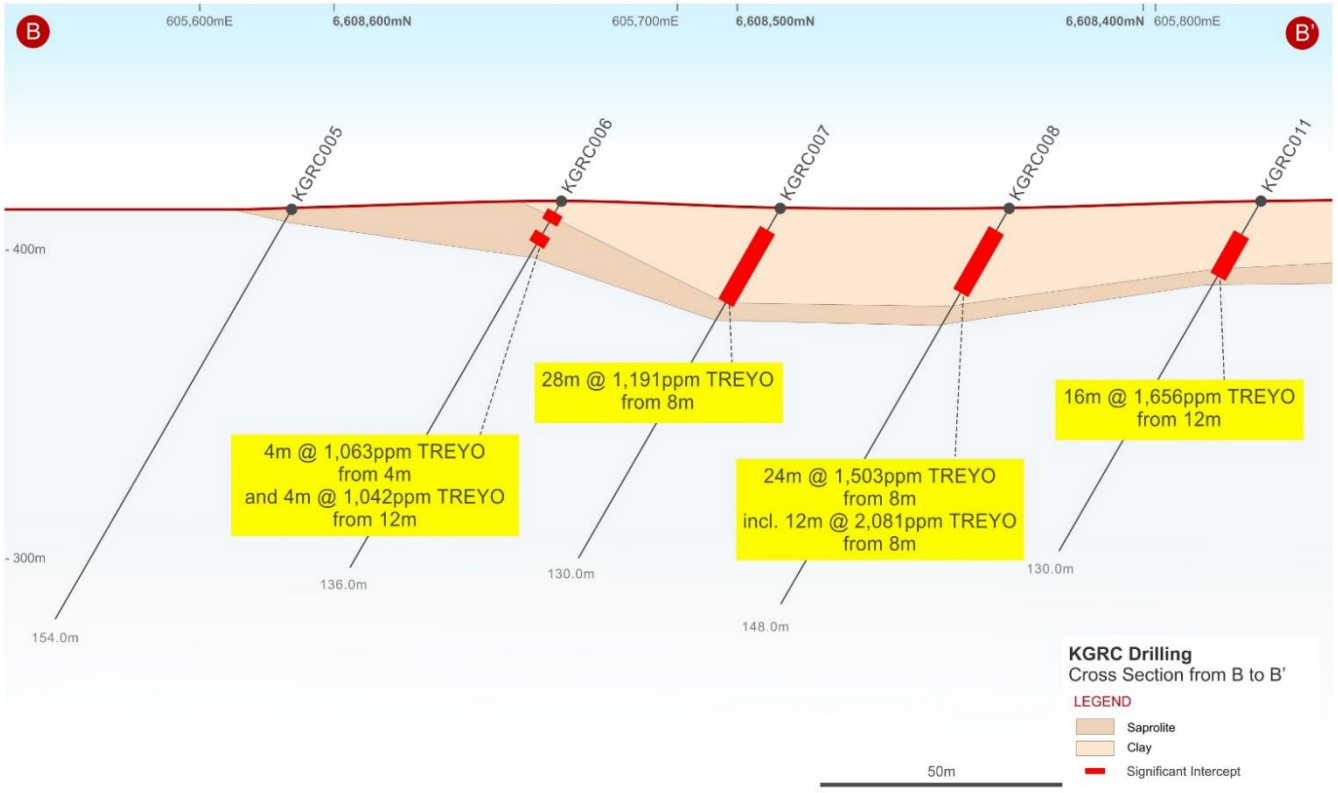

Figure 5. Cross section (B - B') of drilling at the Karloning REE Project

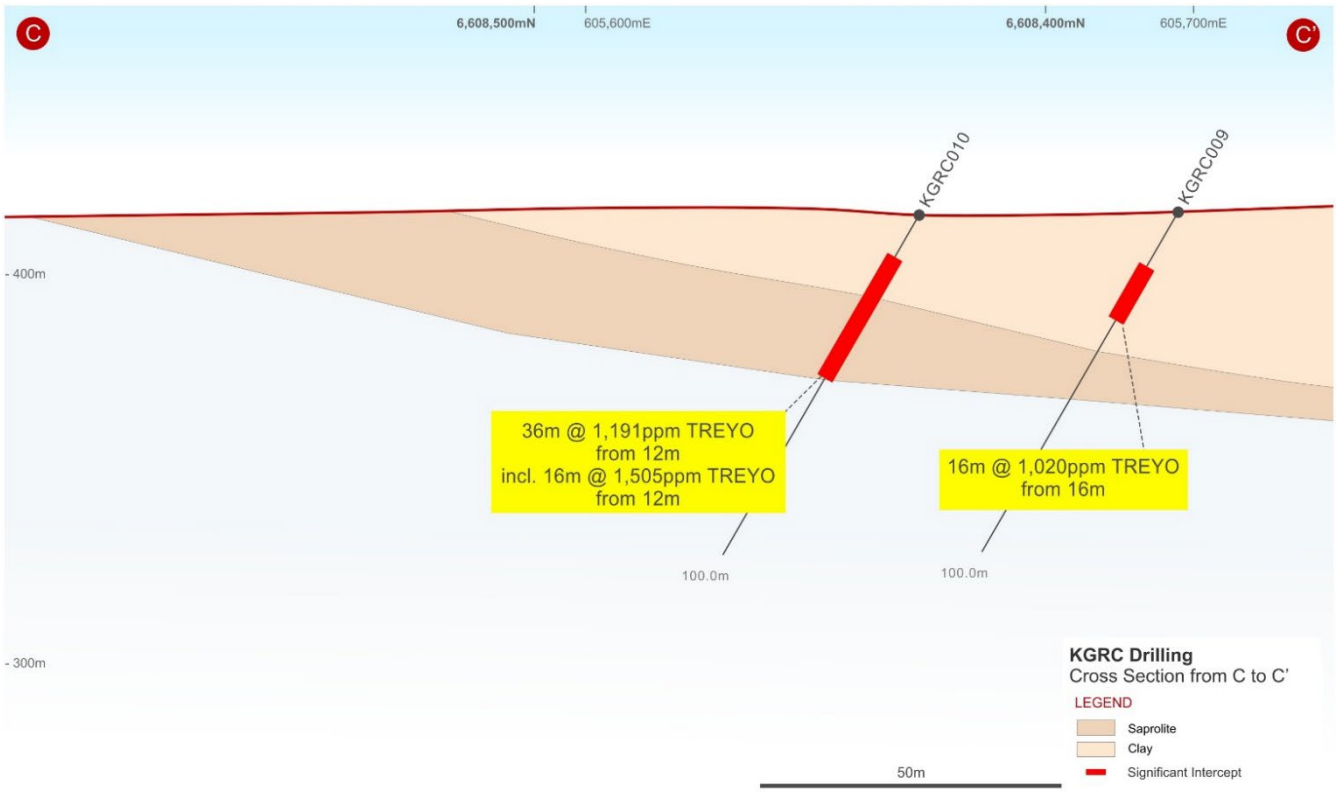

Figure 6. Cross section (C - C') of drilling at the Karloning REE Project

The REE mineralised clay zone sits above a REE enriched basement of granite and pegmatite veins, examples of this broad and extensive REE enrichment include:

- KGRC003 – 138m grading 709ppm TREYO from 16m to EOH,
- KGRC004 – 144m grading 713ppm TREYO from 4m to EOH,
- KGRC005 – 154m grading 678ppm TREYO from 0m to EOH, and
- KRRC013 – 240m grading 676ppm TREYO from 4m to EOH.

(For full assay results See Table 2.)

The extensive REE enrichment in the basement granitoids at Karloning is considered to be a key constituent for the development of the clay hosted REE mineralisation, and the extent of the basement enrichment is very encouraging.

Hole KGRC013, which was drilled to the south-west of the quarry, intersected a thin, but enriched clay zone, at the top of hole (with 4m at 1,012ppm TREYO from 0m) and intersected elevated REEs through to the end of the hole.

Future Work

Following the outstanding results returned from the Company's maiden drilling program, an air-core (AC) drilling program is being planned to allow the Company to rapidly investigate the potential scale of the clay hosted mineralisation at the project. A drilling contractor has been secured and permitting for the program is underway.

The Company is also preparing to select samples for leaching test work of the clay zone mineralisation. A suitable laboratory will be contracted for this work.

This announcement was authorised for release by the Board of Codrus Minerals.

ENDS

Investor Inquiries:
Shannan Bamforth, Managing Director
Codrus Minerals

Media Inquiries:
Nicholas Read
Read Corporate
Phone: +61 8 9388 1474

About Codrus Minerals Limited

Codrus Minerals recently secured an exciting new growth and diversification opportunity in the rare earths sector after entering into a farm-in and joint venture agreement with Talgomine Minerals Pty Ltd to earn up to a 90% interest in the Karloning Rare Earth Element (REE) Project, located in Western Australia's Wheatbelt. In addition to our REE project, Codrus has a portfolio of exciting projects in Western Australia (WA) and Oregon, United States of America (USA). All of our Australian assets are located in close proximity to existing operating mines and the Bull Run Project in the USA is located in a rich historic gold producing area. Codrus currently has four projects in WA, comprising 31 tenements with a total landholding of approximately 243km^2. The Karloning REE Project in the Wheatbelt, the Silver Swan South and Red Gate Projects are in the Eastern Goldfields, whilst the Middle Creek Project is located in the Eastern Pilbara. The tenements are prospective for rare earth elements and potential economic gold mineralisation, with Silver Swan South also being prospective for Nickel. In the USA, the company holds a 100% legal and beneficial interest for 79 claims and is party to an 'Option Agreement', which covers a further 11 claims in Baker County in Eastern Oregon. In total the claims cover approximately 7km^2 in the Ironside Mountain Inlier. The Bull Run project is prospective for gold and has been mined intermittently since approximately 1929.

Competent Persons Statement

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Mr. Shannan Bamforth who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Bamforth is a permanent employee of Codrus Minerals and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Bamforth consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Information in this announcement that relates to previous exploration results for the Projects is extracted from the following ASX announcement:

- *"Codrus Secures Large-Scale Niobium Rich REE Project in WA" 23rd November 2022*
- *"Codrus Confirms High Grades at Niobium-Rich REE Project" 12th December 2022*
- *"Exploration Update - Karloning REE Project, WA" 27th February 2023*
- *"Drilling commences at Niobium-Rich Karloning REE Project", 12th April 2023*
- *"High-grade clay REE mineralisation identified at Karloning" 5th May 2023*

The above announcement is available to view on the Company's website at codrusminerals.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant original market announcements. The Company confirms that the information and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Exploration and Resource Targets

Any discussion in relation to the potential quantity and grade of Exploration and Resource Targets is only conceptual in nature. While Codrus is continuing exploration programs aimed at reporting additional JORC compliant Mineral Resources, there has been insufficient exploration to define mineral resources and it is uncertain if further exploration will result in the determination of maiden JORC compliant Mineral Resources.

Forward-Looking Statements

Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Codrus. There is continuing uncertainty as to the full impact of COVID-19 on Codrus's business, the Australian economy, share markets and the economies in which Codrus conducts business. Given the high degree of uncertainty surrounding the extent and duration of the COVID-19 pandemic, it is not currently possible to assess the full impact of COVID-19 on Codrus' business or the price of Codrus securities. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements. Any forward-looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Codrus does not undertake any obligation to update or revise any information or any of the forward-looking statements in this presentation or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

Table 1: Karloning RC drill Collar table, and significant intercepts.

Hole	East (m)	North (m)	RL (m)	Azi MGA	Dip	EOH (m)	From (m)	To (m)	Interval (m)	TREYO ppm	MREO ppm	MREO / TREYO %	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC001	605870	6608481	414	320	-60	154	9	20	11	2825	532	19%	730	1380	127	381	4	20	BD	78
including							13	15	2	6883	1373	20&	1757	3377	329	995	9	41	1	131
KGRC002	605820	6608537	412	320	-60	154	12	28	16	1028	218	21%	249	414	47	153	3	15	1	86
KGRC003	605764	6608581	415	320	-60	154	4	16	12	1244	258	21%	308	526	58	182	3	15	1	86
KGRC004	605723	6608639	414	320	-60	148			NSI (no clay zone)											
KGRC005	605619	6608610	414	320	-60	154			NSI (no clay zone)											
KGRC006	605681	6608548	416	320	-60	136	4	8	4	1063	191	18%	273	507	46	133	2	10	BD	49
and							12	16	4	1042	229	22%	242	457	54	162	2	12	BD	58
KGRC007	605717	6608486	414	320	-60	130	8	36	28	1191	234	20%	283	540	51	166	2	14	1	74
KGRC008	605769	6608433	414	320	-60	148	8	32	24	1503	315	21%	371	683	73	225	3	14	BD	65
including							8	20	12	2081	434	21%	510	977	101	311	4	18	BD	70
KGRC009	605703	6608379	416	320	-60	100	16	32	16	1020	221	22%	247	452	48	160	2	11	BD	46
KGRC010	605655	6608425	415	320	-60	100	12	48	36	1191	241	20%	271	552	54	173	2	13	1	67
including							12	28	16	1505	299	20%	333	735	68	214	3	15	1	69
KGRC011	605822	6608371	416	320	-60	130	12	28	16	1656	362	22%	383	749	80	261	3	18	1	78
KGRC012	605917	6608426	415	320	-60	154	12	20	8	1163	288	25%	240	503	61	210	3	14	1	64
KGRC013	606126	6608683	405	350	-60	244	0	4	4	1012	210	21%	215	454	47	147	2	13	1	74

Co-ordinates expressed as MGA zone50 GDA94

NSI - No significant intercept

BD - below detection

A cut off grade of 900ppm TREYO was applied and a maximum of 4m of internal dilution included, samples also had to be logged as clay or saprolite. Assays rounded to the nearest whole number.

Table 2: Karloning Assay Table

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC001	0	4	4	125	22	27.4	60.04	5.19	14.8	2.48	0.3	1.78	0.34	2.02	0.3	0.85	0.15	1.1	0.17	9
KGRC001	4	8	4	245	40	58	126.48	10.46	27.4	4.21	0.44	2.3	0.42	2.34	0.37	1.2	0.17	0.93	0.12	10.9
KGRC001	8	9	1	716	122	179.4	363.48	29.83	85.2	12.52	1.11	7.36	1.19	6.04	0.89	2.33	0.27	1.86	0.19	25.1
KGRC001	9	10	1	1117	185	267.4	588.21	46.38	128.8	19.43	1.5	11.81	1.76	8.7	1.23	3.15	0.42	2.42	0.23	36.1
KGRC001	10	11	1	1504	255	355.4	792.06	62.69	177.8	25.75	2.48	16.43	2.49	12.16	1.81	4.24	0.47	2.99	0.3	47.1
KGRC001	11	12	1	1981	355	460.9	1026.6	85.16	250.6	38.16	3.3	21.15	3.05	16.53	2.33	6	0.71	3.91	0.35	63.1
KGRC001	12	13	1	2415	428	624	1197.3	107.51	298.4	43.26	3.79	24.67	3.82	18.76	2.93	6.82	0.87	4.64	0.59	77.7
KGRC001	13	14	1	6534	1278	1671.5	3241.92	306.83	926.9	128.76	12.68	60.99	8.17	36.62	5.07	10.98	1.19	6.37	0.63	116.3
KGRC001	14	15	1	7231	1468	1841.6	3512.08	351.52	1063.3	148.48	14.93	69.41	9.47	44.65	6.06	13.37	1.41	7.52	0.78	146.6
KGRC001	15	16	1	3104	510	972.4	1449.04	124.42	363.7	48.48	4.56	26.4	3.7	18.88	2.68	6.61	0.77	4.46	0.45	78.3
KGRC001	16	17	1	2273	366	733.1	1054.85	94.34	256.5	36.19	3.36	18.1	2.51	12.91	2.05	5.18	0.63	3.66	0.43	49.9
KGRC001	17	18	1	1987	420	478.5	944.33	94.34	307.8	44.19	4.34	23.06	3.23	15.03	2.31	5.68	0.62	3.94	0.42	59.6
KGRC001	18	19	1	1633	308	312	857.14	63.05	223.8	34.56	3.63	24.55	3.33	17.9	2.91	7.47	0.78	4.45	0.46	77.5
KGRC001	19	20	1	1292	278	314.3	516.98	56.77	198.8	31.9	3.39	24.55	3.61	19.8	3.31	8.64	1.03	5.04	0.62	104.2
KGRC001	20	24	4	781	162	182.9	342.61	35.15	115.3	18.44	1.98	12.74	1.85	9.88	1.7	4.41	0.49	2.33	0.32	50.9
KGRC001	24	28	4	596	123	138.4	270.16	26.93	88.7	14.67	1.51	9.1	1.28	6.57	1.08	2.48	0.29	1.68	0.2	33.2
KGRC001	28	32	4	656	135	151.9	295.94	29.71	96	15.25	1.58	10.61	1.51	8.23	1.44	3.44	0.45	2.18	0.29	37.8
KGRC001	32	36	4	687	142	158.3	310.68	31.52	101.5	16.47	1.65	10.84	1.59	8.12	1.44	3.45	0.41	2.12	0.27	39.2
KGRC001	36	40	4	704	146	161.2	320.5	32.73	104.5	16.53	1.58	10.54	1.51	7.94	1.39	3.31	0.39	2.08	0.27	40.1
KGRC001	40	44	4	622	127	141.9	278.75	28.14	91.4	15.54	1.5	9.17	1.35	6.99	1.24	3.32	0.45	2.58	0.42	39.6
KGRC001	44	48	4	699	146	161.8	320.5	32.85	105.8	16	1.74	9.61	1.29	6.57	1.18	3.06	0.36	2.03	0.26	36.1
KGRC001	48	52	4	522	108	120.2	235.77	24.4	77.8	12.12	1.36	7.43	1.09	5.59	0.91	2.74	0.3	1.84	0.27	30.4
KGRC001	52	56	4	548	112	126.6	243.75	25	80.2	12.52	1.51	7.7	1.11	5.84	1.12	3.02	0.37	2.55	0.32	36.4
KGRC001	56	60	4	528	107	123.7	240.07	24.4	76.3	11.65	1.38	6.5	1.02	5.88	1	2.84	0.34	1.93	0.31	31.1
KGRC001	60	64	4	601	122	130.7	255.42	26.57	86	13.51	1.26	9.37	1.43	8.13	1.62	4.66	0.69	4.04	0.53	57.1
KGRC001	64	68	4	539	110	129.6	252.96	25.24	79.8	11.5	1.55	6.61	1.02	4.44	0.74	2.01	0.22	1.38	0.15	22.7
KGRC001	68	72	4	574	115	139.5	267.7	26.81	82	12.35	1.5	6.92	1.01	5.37	0.85	2.42	0.21	1.48	0.19	25.7
KGRC001	72	76	4	547	111	132.5	255.42	25.73	80.9	12.35	1.45	6.84	0.95	4.2	0.82	1.89	0.25	1.07	0.18	23.3
KGRC001	76	80	4	536	110	129	250.51	25	79.9	13.16	1.5	6.57	0.97	4.52	0.81	1.94	0.25	1.02	0.13	21.2
KGRC001	80	84	4	564	116	134.8	261.56	26.57	84.1	12.87	1.48	7.16	1.07	5.15	0.84	2.14	0.28	1.34	0.18	24.7
KGRC001	84	88	4	485	100	116.9	223.49	22.28	72.2	10.2	1.26	6.59	0.89	5.01	0.85	1.78	0.25	1.3	0.2	22.4
KGRC001	88	92	4	697	143	164.2	319.28	32.01	103.1	15.89	1.71	10.04	1.43	7.1	1.16	3.07	0.34	2.07	0.23	36.3
KGRC001	92	96	4	748	154	175.9	340.15	34.06	111.2	17.28	1.78	10.76	1.45	7.88	1.34	3.32	0.39	2.38	0.35	40.1
KGRC001	96	100	4	628	130	146.6	286.12	28.99	94	14.67	1.55	8.75	1.12	6.34	1.04	2.86	0.34	1.67	0.25	34.6
KGRC001	100	104	4	673	138	158.9	310.68	31.4	100	15.02	1.67	8.63	1.27	6.32	1.06	2.56	0.29	1.89	0.23	33.4
KGRC001	104	108	4	719	148	169.4	329.1	33.22	106.2	16.12	1.43	9.76	1.45	7.81	1.26	3.07	0.39	2.38	0.32	37.2
KGRC001	108	112	4	772	158	181.8	352.43	35.39	113.8	19.48	1.55	10.59	1.55	8.15	1.32	3.1	0.36	2.39	0.3	40
KGRC001	112	116	4	768	158	175.9	343.84	35.27	112.2	17.74	1.42	10.36	1.71	9.05	1.45	3.87	0.53	3.25	0.51	50.9
KGRC001	116	120	4	668	134	150.1	292.26	29.47	94.7	15.83	1.34	9.7	1.57	9.06	1.47	4.21	0.61	3.79	0.56	53.4

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC001	120	124	4	597	124	137.8	267.7	27.3	88.8	13.63	1.42	8.86	1.43	7.12	1.21	3.23	0.35	1.93	0.3	36.5
KGRC001	124	128	4	637	133	147.7	287.35	28.75	95.7	14.84	1.6	9.55	1.45	7.77	1.24	2.66	0.35	1.98	0.32	36.5
KGRC001	128	132	4	734	152	173.6	332.78	33.82	108.4	16.41	1.55	10.42	1.78	8.39	1.4	3.45	0.41	2.28	0.28	39.6
KGRC001	132	136	4	748	153	174.1	335.24	34.18	109.3	17.69	1.69	10.86	1.76	8.58	1.39	3.95	0.45	2.92	0.44	46.1
KGRC001	136	140	4	673	138	157.1	302.08	31.16	97.8	16.35	1.55	10.12	1.57	7.62	1.26	3.46	0.43	2.71	0.35	40.2
KGRC001	140	144	4	711	146	166.5	321.73	32.49	104.1	16.76	1.86	10.6	1.54	8.03	1.3	3.36	0.37	2.38	0.36	40.3
KGRC001	144	148	4	691	135	153.6	298.4	29.83	94	15.48	1.42	10.26	1.71	9.52	1.76	5.84	0.81	5.46	0.84	62.9
KGRC001	148	152	4	717	144	168.3	325.42	32.49	102.7	16.64	1.73	10.31	1.5	7.93	1.44	3.46	0.46	2.81	0.4	41.9
KGRC001	152	154	2	677	136	161.2	309.45	30.68	97.8	15.31	1.38	8.83	1.41	7.02	1.23	3.17	0.35	2	0.27	37.2
KGRC002	0	4	4	397	71	89.9	192.18	16.42	50.1	8.15	0.88	4.95	0.77	4.58	0.81	2.24	0.35	2.11	0.28	23.8
KGRC002	4	8	4	728	146	170.6	340.15	33.58	103.8	14.32	1.63	9.83	1.43	7.53	1.19	3.25	0.45	2.58	0.37	38.1
KGRC002	8	12	4	624	131	148.3	273.84	29.71	92.6	14.84	1.5	8.39	1.34	7.38	1.23	3.26	0.42	2.76	0.38	38.7
KGRC002	12	16	4	1160	237	274.4	530.49	53.27	168.4	25.17	3.03	16.37	2.56	13.48	2.31	5.92	0.78	4.6	0.64	58.9
KGRC002	16	20	4	898	206	238.1	322.96	44.21	146.9	22.91	2.7	15.68	2.44	12.91	2.24	6.37	0.95	5.68	0.71	73.7
KGRC002	20	24	4	1101	229	265	422.43	48.56	159.1	25.52	2.25	20.35	3.18	19.05	3.28	9.62	1.21	6.59	0.79	114.5
KGRC002	24	28	4	953	198	218.1	379.45	41.67	138.1	23.31	2.65	18.39	2.75	15.95	2.92	8.48	0.98	5.37	0.7	94.9
KGRC002	28	32	4	668	135	153	295.94	29.23	95.7	14.55	1.66	11.2	1.81	9.12	1.65	3.88	0.46	2.25	0.32	48
KGRC002	32	36	4	726	147	167.1	319.28	31.89	103.5	16.24	1.7	11.93	1.78	10.41	1.67	4.83	0.51	3.12	0.38	52
KGRC002	36	40	4	624	129	139	271.38	27.18	90.3	15.31	1.59	11.53	1.83	10.05	1.83	4.45	0.41	2.32	0.29	47.4
KGRC002	40	44	4	707	144	160.7	314.36	31.4	100.8	16.41	1.87	12.85	1.97	10.6	1.76	4.02	0.5	2.53	0.31	47.1
KGRC002	44	48	4	703	143	155.4	304.54	30.68	99.4	16.47	1.79	13.77	2.04	11.53	1.74	5.06	0.6	3.77	0.69	56.3
KGRC002	48	52	4	641	132	147.2	283.66	29.11	93.7	15.37	1.43	10.19	1.55	8.59	1.37	3.74	0.47	2.58	0.38	42.5
KGRC002	52	56	4	637	132	147.7	286.12	27.78	94.6	14.21	1.5	10.46	1.57	8.55	1.37	3.23	0.38	1.89	0.22	37.7
KGRC002	56	60	4	625	127	144.8	281.21	27.54	91.2	14.96	1.47	9.92	1.36	7.77	1.39	3.39	0.37	2.01	0.26	37.5
KGRC002	60	64	4	697	143	161.8	311.91	31.04	102.6	15.48	1.52	10.94	1.63	8.5	1.4	3.82	0.44	2.4	0.38	43.6
KGRC002	64	68	4	565	114	116.8	245.6	25	77.7	12.99	1.48	10.66	1.88	9.98	1.77	4.67	0.51	3.14	0.47	52.5
KGRC002	68	72	4	622	127	142.5	276.3	27.42	90.3	13.86	1.2	10.94	1.62	8.32	1.42	3.42	0.37	2.2	0.3	42.2
KGRC002	72	76	4	718	149	169.4	325.42	32.01	107.6	16.64	1.72	11.35	1.5	8.12	1.28	3.49	0.37	2	0.25	37.7
KGRC002	76	80	4	619	129	141.3	273.84	27.78	91	14.09	1.62	10.58	1.55	8.74	1.42	3.55	0.41	2.11	0.34	41.1
KGRC002	80	84	4	740	153	168.9	329.1	32.01	108.2	17.45	1.66	12.74	1.96	11.23	1.74	4.51	0.45	2.6	0.32	48.1
KGRC002	84	88	4	699	143	160.1	310.68	31.04	100	15.37	1.79	12.62	1.9	11.05	1.69	3.94	0.45	2.5	0.36	46.3
KGRC002	88	92	4	677	140	155.4	302.08	30.07	99.5	14.96	1.87	11.53	1.82	8.95	1.48	3.69	0.42	2.09	0.35	43.3
KGRC002	92	96	4	672	137	153.6	299.63	29.71	96.5	15.77	1.69	10.88	1.78	9.72	1.59	4.05	0.41	2	0.28	44.4
KGRC002	96	100	4	708	148	162.4	315.59	31.4	105.4	15.37	1.84	11.87	1.95	9.86	1.55	3.84	0.39	2.2	0.27	44.4
KGRC002	100	104	4	668	140	155.4	300.86	30.44	99.6	16.06	1.73	10.74	1.57	9.12	1.3	3.36	0.37	1.79	0.23	35.8
KGRC002	104	108	4	631	132	143.6	281.21	28.99	93.6	15.25	1.7	10.74	1.69	8.59	1.3	3.55	0.42	1.95	0.26	39.1
KGRC002	108	112	4	712	148	165.9	322.96	32.61	105.4	16.64	1.72	11.49	1.58	8.83	1.29	3.22	0.36	1.85	0.29	38.7
KGRC002	112	116	4	744	151	175.3	342.61	34.18	107	17.57	1.87	11.7	1.69	8.87	1.3	3.4	0.34	1.82	0.25	37
KGRC002	116	120	4	775	161	180.6	353.66	35.03	115.5	17.86	1.89	12.33	1.85	8.67	1.39	3.72	0.37	2.11	0.31	40.2
KGRC002	120	124	4	782	161	184.7	361.03	35.87	116.2	18.32	1.73	10.95	1.63	7.95	1.26	3.61	0.37	2.19	0.26	36
KGRC002	124	128	4	763	156	178.2	345.06	33.82	112.5	17.28	1.72	11.58	1.78	8.8	1.48	4.09	0.43	2.38	0.32	43.9

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC002	128	132	4	621	128	144.2	279.98	27.9	91.5	14.15	1.64	9.66	1.38	7.33	1.2	3.13	0.42	2.36	0.32	36.3
KGRC002	132	136	4	741	153	172.4	338.92	34.06	109.3	17.45	1.76	11.16	1.56	8.17	1.3	3.63	0.37	2.39	0.3	38.9
KGRC002	136	140	4	674	138	156.5	305.77	30.68	98.2	14.61	1.48	10.16	1.51	7.9	1.23	3.31	0.33	2.39	0.31	40.1
KGRC002	140	144	4	727	148	170.6	329.1	33.58	105.7	17.45	1.76	11.49	1.52	7.72	1.3	3.46	0.41	2.42	0.35	41.1
KGRC002	144	148	4	722	149	168.9	327.87	32.85	107.5	17.11	1.59	10.94	1.55	7.39	1.28	3.26	0.38	1.99	0.29	39.1
KGRC002	148	152	4	580	117	131.3	257.88	25.85	83.2	13.45	1.36	9.36	1.34	7.45	1.42	3.62	0.45	2.66	0.38	40.7
KGRC002	152	154	2	690	140	162.4	310.68	31.4	98.7	16.18	1.38	10.52	1.57	8.74	1.47	4.04	0.45	2.2	0.4	40.7
KGRC003	0	4	4	638	118	134.8	310.68	26.33	82	13.39	1.28	9.37	1.47	8.67	1.66	4.4	0.52	2.83	0.35	40.5
KGRC003	4	8	4	1471	318	383.5	606.63	72.84	225.6	33.4	3.85	20.75	3.03	16.7	3.1	7.93	1.02	5.82	0.72	86.4
KGRC003	8	12	4	1160	243	302.6	475.23	55.32	172.5	24.36	2.91	17.12	2.24	13.2	2.34	6.98	0.91	5.04	0.68	78.7
KGRC003	12	16	4	1101	212	238.1	494.88	46.26	149.2	23.43	2.55	16.77	2.46	14.29	2.85	8.53	1.16	6.94	0.85	93.3
KGRC003	16	20	4	711	134	154.2	315.59	28.75	95.2	15.42	1.82	10.56	1.62	9.33	1.9	6.16	0.85	5.03	0.67	64
KGRC003	20	24	4	726	151	170	294.72	33.22	107.3	17.05	1.94	11.46	1.74	9.68	2	6.02	0.9	5.71	0.72	63.8
KGRC003	24	28	4	721	145	163.6	311.91	31.64	103.6	16.18	1.48	10.83	1.55	8.33	1.74	5.41	0.82	4.96	0.64	59.3
KGRC003	28	32	4	765	150	167.7	321.73	32.61	105.9	17.4	1.78	12.74	1.83	9.66	2.15	6.58	1.11	6.9	0.96	76.2
KGRC003	32	36	4	756	148	166.5	322.96	32.25	104.8	16.47	1.82	11.99	1.76	9.36	2.15	6.93	0.98	5.95	0.62	72.1
KGRC003	36	40	4	715	138	150.7	294.72	29.71	95.8	15.6	1.76	11.7	1.85	11.59	2.44	8.12	1.09	6.93	0.78	82.8
KGRC003	40	44	4	837	160	181.8	346.29	34.42	110.7	17.69	1.76	13.43	1.99	13.48	2.96	9.77	1.18	6.86	0.7	94.6
KGRC003	44	48	4	812	156	174.1	332.78	33.46	105.9	16.87	1.78	13.2	2.09	14.8	3.12	9.45	1.19	6.54	0.78	96.9
KGRC003	48	52	4	469	93	99.7	195.86	20.41	64.3	11.1	0.93	8.29	1.31	7.69	1.5	4.49	0.65	3.96	0.54	49
KGRC003	52	56	4	655	129	143.6	279.98	28.26	91.1	14.32	1.58	10.34	1.38	9.06	1.97	5.77	0.75	3.92	0.47	62.8
KGRC003	56	60	4	762	148	163	311.91	31.4	102.1	16.29	1.71	13.08	2.04	13.08	3.02	8.44	1.13	5.75	0.63	89.1
KGRC003	60	64	4	736	140	151.9	292.26	29.83	94.4	16.35	1.76	13.6	2.14	14.23	3.26	10.03	1.16	6.5	0.63	98.2
KGRC003	64	68	4	560	111	122.5	234.54	24.03	75.5	12	1.35	9.03	1.41	10.12	1.92	5.61	0.73	3.81	0.48	57.2
KGRC003	68	72	4	613	120	135.4	259.1	26.21	82.7	13.28	1.34	10.89	1.63	9.97	1.99	5.56	0.63	4.07	0.48	60.3
KGRC003	72	76	4	707	142	159.5	307	31.04	97.2	16.7	1.63	12.45	2.14	12.57	2.08	5.23	0.57	3	0.42	55.7
KGRC003	76	80	4	717	148	163.6	316.82	32.49	104.5	17.4	1.59	12.16	1.84	9.83	1.79	4.02	0.46	2.33	0.3	48.6
KGRC003	80	84	4	732	147	167.7	324.19	32.73	102.9	17.11	1.78	12.51	1.82	10.37	1.82	4.68	0.49	2.44	0.29	51.9
KGRC003	84	88	4	715	149	160.1	309.45	31.64	104.9	18.03	2.02	13.37	1.94	10.57	2.09	4.44	0.51	2.56	0.28	53.4
KGRC003	88	92	4	770	159	172.4	332.78	33.7	110.8	16.82	1.59	13.37	2.18	12.8	2.48	5.57	0.57	2.77	0.35	62.6
KGRC003	92	96	4	774	158	170.6	331.56	33.46	109.1	19.83	1.77	14.58	2.32	13.89	2.4	5.87	0.62	2.9	0.3	65.7
KGRC003	96	100	4	773	158	173	332.78	33.46	109.7	18.96	1.8	14.18	2.21	13.02	2.36	5.36	0.63	2.53	0.32	63.1
KGRC003	100	104	4	692	142	155.4	298.4	30.68	98.4	17.57	1.54	13.14	1.96	11.46	2.01	5.01	0.5	2.32	0.31	53.3
KGRC003	104	108	4	746	152	168.3	325.42	33.09	106.5	17.69	1.87	14.41	2.12	10.96	2.14	5.15	0.54	2.38	0.28	55.7
KGRC003	108	112	4	726	149	164.8	319.28	32.25	104.5	17.74	1.73	13.31	1.96	10.99	2.02	4.34	0.51	2.44	0.34	50.1
KGRC003	112	116	4	734	153	168.3	324.19	34.79	105.5	17.4	1.76	12.85	1.99	11.21	1.81	4.26	0.41	2.07	0.31	47.3
KGRC003	116	120	4	656	137	152.4	292.26	31.28	95.7	15.48	1.5	10.95	1.64	8.4	1.52	3.12	0.41	1.85	0.23	40.2
KGRC003	120	124	4	777	163	181.8	348.75	37.32	115.6	17.69	1.69	12.45	1.64	9.33	1.5	3.85	0.36	2.2	0.29	43.3
KGRC003	124	128	4	662	139	153.6	299.63	31.77	98.4	16.18	1.65	10.34	1.34	7.93	1.24	3.08	0.31	1.69	0.27	35
KGRC003	128	132	4	689	146	160.1	309.45	33.09	102.7	16.64	1.55	10.91	1.55	8.67	1.36	3.24	0.3	1.94	0.21	37.7
KGRC003	132	136	4	700	145	163.6	315.59	33.7	102	16.82	1.67	10.82	1.58	8.55	1.52	3.36	0.38	1.97	0.27	38.9

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC003	136	140	4	668	138	156.5	300.86	31.64	97.9	15.02	1.59	10.71	1.43	7.56	1.43	3.36	0.35	2.19	0.22	37.5
KGRC003	140	144	4	668	139	156	304.54	31.77	98.5	15.13	1.59	9.56	1.34	7.65	1.32	3.21	0.3	1.82	0.26	35.3
KGRC003	144	148	4	671	140	157.7	305.77	32.25	99.5	15.48	1.62	9.32	1.35	7.35	1.26	2.73	0.3	1.79	0.21	34.6
KGRC003	148	152	4	699	144	164.8	320.5	34.18	101.5	16.35	1.7	9.85	1.45	7.43	1.29	3.17	0.3	1.74	0.26	35.3
KGRC003	152	154	2	710	148	167.7	324.19	34.06	105.5	16.29	1.66	10.79	1.36	7.34	1.13	3.09	0.33	1.59	0.25	35.5
KGRC004	0	4	4	431	87	104	174.99	19.63	59.8	9.32	1.11	6.75	1.08	6.54	1.28	3.86	0.61	3.78	0.47	38.6
KGRC004	4	8	4	734	147	166.5	320.5	33.94	102.6	15.54	1.71	10.8	1.52	9.14	1.82	5.17	0.74	4.81	0.65	58.9
KGRC004	8	12	4	751	148	161.8	315.59	33.7	102.3	16.99	1.66	11.81	1.81	10.94	2.28	6.49	1	6.97	0.84	77
KGRC004	12	16	4	955	193	226.3	390.5	44.57	133.5	20.82	2.01	14.47	2.02	13.37	2.69	7.86	1.06	7.1	0.88	88.6
KGRC004	16	20	4	722	144	158.9	302.08	32.25	100.2	16.29	1.48	10.74	1.57	10.83	2.08	6.8	0.89	5.05	0.57	72.8
KGRC004	20	24	4	681	134	148.3	284.89	30.2	91.2	14.9	1.55	10.87	1.66	11.05	2.26	6.67	0.77	4.64	0.57	72
KGRC004	24	28	4	584	110	112.3	215.51	21.68	72.4	12.06	1.29	11.7	2.09	14.57	3.2	10	1.34	8.88	1.25	96.6
KGRC004	28	32	4	608	120	131.9	254.19	25.6	83.4	13.57	1.54	10	1.5	9.87	1.94	6.38	0.91	4.94	0.69	61.8
KGRC004	32	36	4	819	162	179.4	347.52	34.42	115.6	18.27	1.74	12.51	1.92	11	2.36	7.88	1.05	6.17	0.72	78.8
KGRC004	36	40	4	610	121	135.4	264.02	26.33	85.7	13.57	1.48	9.37	1.27	8.51	1.6	5.34	0.73	4.08	0.47	52.3
KGRC004	40	44	4	754	148	162.4	310.68	32.85	101.7	15.42	1.65	11.58	1.68	11.99	2.61	8.56	1.11	6.16	0.69	85.4
KGRC004	44	48	4	795	157	171.8	327.87	35.03	107	16.35	1.56	11.32	1.97	13.43	3	8.17	1.08	5.54	0.55	90.6
KGRC004	48	52	4	703	135	147.7	286.12	28.99	91.4	14.09	1.37	11.25	1.78	13.2	2.92	9.25	1.13	6.11	0.61	87.3
KGRC004	52	56	4	824	158	174.7	335.24	33.94	107	17.74	1.71	12.97	2.19	15.72	3.27	10.88	1.18	6.09	0.62	101.3
KGRC004	56	60	4	656	129	140.7	271.38	28.26	87.2	13.97	1.45	10.37	1.78	12.51	2.69	7.14	0.82	4.25	0.46	73.4
KGRC004	60	64	4	649	132	147.7	287.35	30.2	90.8	15.08	1.43	10.29	1.61	9.52	1.67	4.28	0.45	2.44	0.31	46.1
KGRC004	64	68	4	684	140	154.8	298.4	31.64	97.2	15.66	1.59	11.02	1.79	9.96	1.76	4.48	0.53	2.56	0.34	52.4
KGRC004	68	72	4	738	149	157.7	308.22	32.97	100.1	17.51	1.59	12.27	2.21	14.52	2.91	7.42	0.81	4.03	0.42	75.6
KGRC004	72	76	4	834	168	185.9	358.57	38.17	114.3	18.09	1.8	13.54	2.12	14	2.85	7.13	0.65	3.5	0.34	73.7
KGRC004	76	80	4	711	145	167.1	319.28	33.58	102.2	14.79	1.47	8.84	1.23	8.28	1.52	3.97	0.39	2.63	0.3	46.4
KGRC004	80	84	4	742	151	171.8	332.78	35.39	105	16.29	1.56	11.34	1.62	9.29	1.67	4.36	0.44	2.27	0.3	48.7
KGRC004	84	88	4	786	163	171.8	331.56	35.63	111.8	19.37	1.51	14.47	2.28	13.6	2.34	6.09	0.76	4.07	0.52	70.3
KGRC004	88	92	4	772	160	173	338.92	34.66	112.2	17.86	1.73	13.08	2.16	11.88	1.82	4.51	0.54	2.92	0.37	56.7
KGRC004	92	96	4	845	171	185.3	359.8	36.24	118.3	21.51	1.96	16.25	2.52	14.23	2.45	6.25	0.78	4.68	0.78	74.9
KGRC004	96	100	4	718	149	163	316.82	31.89	105.6	17.05	1.59	11.87	2.04	10.19	1.69	3.68	0.44	2.73	0.34	49.2
KGRC004	100	104	4	559	114	127.8	249.28	25.12	81.7	13.34	1.62	8.82	1.29	6.8	1.22	2.81	0.37	2.08	0.26	37.4
KGRC004	104	108	4	733	145	167.1	322.96	32.25	101.6	17.11	1.64	12.1	1.85	10.26	1.85	4.62	0.57	3.06	0.44	55.7
KGRC004	108	112	4	790	162	181.2	349.98	34.79	113.3	18.85	1.79	12.74	2.1	11.93	1.85	4.02	0.49	2.8	0.35	53.9
KGRC004	112	116	4	730	149	161.8	318.05	31.64	103.4	17.69	1.6	13.2	2.14	11.88	1.87	4.66	0.58	3.63	0.47	57.7
KGRC004	116	120	4	760	154	171.8	331.56	33.46	106.5	17.63	1.76	13.77	2.32	11.82	1.95	4.69	0.54	3.09	0.42	58.9
KGRC004	120	124	4	571	95	87.5	173.14	18.12	60.6	12.81	0.76	13.49	2.49	14.17	2.91	9.24	1.58	12.35	2	160
KGRC004	124	128	4	590	113	118.4	232.7	23.79	77.7	13.63	1.25	11.76	1.94	10.48	1.93	5.63	0.91	6.53	0.96	82.6
KGRC004	128	132	4	819	160	167.7	330.33	33.22	112	19.25	1.52	14.12	2.25	12.62	2.29	6.89	1.15	7.33	1.1	107.3
KGRC004	132	136	4	537	102	110.8	217.35	21.74	70.4	12.35	1.18	9.66	1.69	8.89	1.76	5.39	0.9	6.78	0.97	67.9
KGRC004	136	140	4	536	103	108.3	215.51	21.92	72	12.41	1.16	8.73	1.59	8.26	1.44	4.77	0.77	5.99	0.86	72.8
KGRC004	140	144	4	677	127	135.4	267.7	26.45	87.1	15.25	1.28	13.2	2.11	12.22	2.41	7.23	1.01	8.02	1.18	97.2

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC004	144	148	4	699	145	160.1	309.45	31.77	103.3	15.54	1.57	11.18	1.57	8.88	1.55	4.09	0.44	2.67	0.39	46.6
KGRC005	0	4	4	730	142	161.8	293.49	29.71	98.8	14.09	1.48	12.39	1.97	11.99	2.39	7.53	1	6.7	0.76	86.6
KGRC005	4	8	4	773	152	159.5	307	31.28	102	16.18	1.71	13.89	2.38	16.41	3.32	9.62	1.21	7.18	0.81	101.3
KGRC005	8	12	4	600	113	115.4	222.88	22.58	76.4	13.45	1.14	11.1	2.16	12.85	2.62	7.94	1.17	8.07	1.01	102.1
KGRC005	12	16	4	785	156	169.4	324.19	32.97	108.3	17.28	1.63	12.22	2.23	12.74	2.49	7.21	0.95	5.87	0.79	86.8
KGRC005	16	20	4	709	141	150.7	289.8	29.47	97.7	17.16	1.42	13.89	2.04	12.51	2.24	6.81	0.85	6.09	0.9	78.4
KGRC005	20	24	4	471	81	76.8	149.2	15.52	52.5	10.09	0.79	9.92	1.72	11.93	2.56	8.98	1.41	10.17	1.75	118.1
KGRC005	24	28	4	709	145	160.7	315.59	31.77	104.5	15.77	1.5	11.58	1.57	7.96	1.36	3.61	0.47	2.99	0.4	49.7
KGRC005	28	32	4	691	143	158.3	305.77	31.28	102	17.34	1.57	11.09	1.75	8.41	1.4	3.77	0.47	2.56	0.27	45.3
KGRC005	32	36	4	734	150	170	327.87	32.73	107	16.82	1.64	11.81	1.71	9.03	1.55	3.73	0.44	2.66	0.26	47.1
KGRC005	36	40	4	683	142	154.2	303.31	30.2	101	15.19	1.64	11.76	1.76	9.09	1.48	3.94	0.44	2.31	0.3	46.8
KGRC005	40	44	4	692	146	157.1	304.54	31.4	103	17.05	1.64	12.33	1.85	10.15	1.74	4.21	0.41	2.33	0.28	44.8
KGRC005	44	48	4	712	147	161.8	314.36	32.01	103.6	18.15	1.6	12.04	1.88	9.84	1.62	4.16	0.46	2.85	0.39	48.2
KGRC005	48	52	4	698	145	159.5	313.14	31.77	103.8	16.64	1.76	11.28	1.74	8.67	1.4	3.48	0.41	2.11	0.25	42.6
KGRC005	52	56	4	769	157	171.2	331.56	33.58	111.5	18.09	1.57	13.43	1.97	10.92	1.97	4.53	0.71	4.03	0.68	64.2
KGRC005	56	60	4	739	151	170	332.78	33.34	107.3	17.11	1.41	11.76	1.72	9.2	1.44	3.61	0.46	2.79	0.37	46.6
KGRC005	60	64	4	697	142	165.9	315.59	31.77	101.2	14.9	1.43	10.56	1.51	7.74	1.35	3.47	0.38	1.95	0.23	39.4
KGRC005	64	68	4	703	146	160.1	310.68	31.4	103.6	16.76	1.55	12.45	1.92	9.83	1.68	3.57	0.49	2.73	0.35	46.4
KGRC005	68	72	4	710	148	164.2	320.5	32.25	106.1	17.22	1.58	11.76	1.63	8.49	1.59	3.41	0.33	2.24	0.28	39.4
KGRC005	72	76	4	683	143	150.1	300.86	31.4	100.8	17.05	1.34	12.04	1.76	9.68	1.74	4.12	0.51	3.38	0.5	48.3
KGRC005	76	80	4	708	144	161.8	313.14	31.64	101.2	17.57	1.62	12.85	1.9	9.94	1.78	3.72	0.49	2.81	0.38	47.3
KGRC005	80	84	4	590	120	135.4	264.02	26.33	85.2	14.44	1.34	10.57	1.45	7.78	1.42	3.02	0.36	2.14	0.34	36.9
KGRC005	84	88	4	703	142	158.9	309.45	31.4	99.6	17.11	1.7	12.39	1.94	10.04	1.75	4.13	0.52	3.79	0.52	50.6
KGRC005	88	92	4	585	119	133.1	259.1	25.85	84.7	14.15	1.4	10.1	1.45	7.64	1.38	3.01	0.41	2.61	0.37	40.1
KGRC005	92	96	4	311	63	68	132.62	13.4	44	7.27	1.05	5.73	0.85	5.05	0.96	2.45	0.3	2.09	0.32	27.8
KGRC005	96	100	4	413	83	90.9	176.83	17.87	58.4	10.06	1.11	7.9	1.12	6.31	1.19	3.32	0.37	2.6	0.37	35.6
KGRC005	100	104	4	682	136	146.6	286.12	28.99	94.6	16.99	1.41	13.54	2.05	11.27	2.06	5.4	0.71	4.72	0.64	67.3
KGRC005	104	108	4	693	144	152.4	298.4	30.68	101.2	16.87	1.66	13.08	1.97	10.89	1.84	4.6	0.58	3.48	0.48	55.8
KGRC005	108	112	4	729	148	161.8	315.59	32.01	101.9	16.58	1.64	13.49	2.06	12.8	2.29	4.94	0.59	3.46	0.5	60.1
KGRC005	112	116	4	785	161	177.7	343.84	34.91	111.2	17.92	1.8	14.23	2.29	12.97	2.25	4.38	0.5	3.13	0.38	58.4
KGRC005	116	120	4	702	143	157.7	304.54	30.92	98.6	16.76	1.48	13.6	2.25	12.22	2.26	4.14	0.52	3.56	0.47	53.4
KGRC005	120	124	4	787	162	181.2	349.98	34.54	114.2	19.02	1.87	15.27	2.25	11.2	1.99	3.69	0.44	2.41	0.37	49.1
KGRC005	124	128	4	712	142	151.9	295.94	30.2	98.1	16.35	1.6	13.83	2.16	11.7	2.28	5.74	0.82	6.32	0.92	74.9
KGRC005	128	132	4	607	121	130.2	254.19	25.36	85.7	14.26	1.27	11.32	1.64	9.27	1.69	4.85	0.63	4.48	0.7	61.8
KGRC005	132	136	4	612	124	130.2	254.19	24.88	87.2	15.71	1.21	11.4	1.78	10.27	1.85	5.52	0.9	5.41	0.88	61.3
KGRC005	136	140	4	710	144	160.7	310.68	30.56	103	17.22	1.71	12.22	1.74	9.32	1.59	4.49	0.55	3.72	0.52	52.3
KGRC005	140	144	4	728	152	169.4	327.87	32.73	110.6	17.16	1.65	12.22	1.56	8	1.32	3.38	0.39	2.14	0.35	39.6
KGRC005	144	148	4	782	165	181.2	356.12	35.39	119.5	18.67	1.71	11.99	1.63	8.61	1.48	3.5	0.41	2.11	0.29	39.7
KGRC005	148	152	4	635	129	138.4	270.16	27.78	91.9	14.38	1.45	10.52	1.49	8.23	1.44	4.2	0.55	3.87	0.62	60.8
KGRC005	152	154	2	662	135	155.4	297.17	29.95	97	14.32	1.69	9.53	1.39	7.37	1.29	3.44	0.37	2.26	0.31	40.6
KGRC006	0	4	4	555	89	161.2	254.19	21.98	60.1	9.74	1.06	6.05	0.92	6.42	1.01	2.54	0.36	2.11	0.19	28.1

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC006	4	8	4	1063	191	273.3	507.16	46.26	132.9	18.67	1.85	12.45	1.81	10.28	1.69	4.52	0.6	3.12	0.34	48.8
KGRC006	8	12	4	552	95	142.5	264.02	22.1	66.3	9.76	1.11	7.02	1.04	5.84	1.07	2.93	0.36	2.14	0.25	26.4
KGRC006	12	16	4	1042	229	241.6	456.81	53.63	162	24.59	3.11	15.68	2.29	11.88	2.2	5.28	0.66	4.15	0.44	58.2
KGRC006	16	21	5	856	176	196.4	365.94	38.17	124.7	19.77	2.01	14.12	1.96	11.99	2.05	5.66	0.63	4.1	0.45	68.7
KGRC006	21	26	5	722	145	160.7	320.5	31.52	102	16.18	1.63	12.22	1.81	9.86	1.71	4.99	0.54	3.64	0.5	54.4
KGRC006	26	32	6	661	134	147.2	291.03	28.62	96.1	14.9	1.55	10.74	1.58	8.63	1.4	4.08	0.53	3.25	0.48	51.3
KGRC006	32	38	6	692	142	158.9	311.91	30.68	103.8	14.84	1.78	9.38	1.28	7.12	1.42	3.89	0.47	3.51	0.5	42.6
KGRC006	38	44	6	681	135	156	308.22	30.2	97.9	14.15	1.45	8.95	1.18	6.69	1.42	3.9	0.54	3.86	0.45	46.7
KGRC006	44	50	6	619	124	139.5	277.52	27.42	89.5	12.64	1.5	9.21	1.17	6.76	1.43	4.12	0.53	3.69	0.43	44.1
KGRC006	50	56	6	674	138	154.2	304.54	30.56	99.6	15.54	1.48	9.44	1.22	7.49	1.27	3.5	0.45	2.93	0.37	42.4
KGRC006	56	59	3	530	105	119	235.77	22.95	74.8	12.18	1.41	8.8	1.19	6.79	1.27	3.38	0.46	3	0.4	39.3
KGRC006	59	63	4	936	185	204.6	417.52	41.07	128.8	20.06	2.26	14.41	2.3	12.97	2.67	7.1	0.81	5.23	0.53	75.9
KGRC006	63	66	3	796	157	167.1	338.92	34.18	109.2	16.99	1.51	12.56	1.98	12.22	2.52	8.16	1.05	6.49	0.75	82.6
KGRC006	66	72	6	591	117	123.1	250.51	25.36	80.9	12.52	1.14	9.25	1.45	9.44	2.01	6.13	0.78	5.13	0.6	62.9
KGRC006	72	78	6	766	149	159.5	311.91	31.28	102.1	15.54	1.85	12.04	1.98	14.4	3.12	9.28	1.22	6.46	0.63	94.8
KGRC006	78	84	6	743	149	157.7	311.91	30.92	102.9	14.96	1.59	12.27	1.91	13.31	2.77	7.56	0.83	4.55	0.43	79.8
KGRC006	84	90	6	645	130	145.4	288.58	28.62	91.7	14.15	1.66	10.18	1.45	9.06	1.66	4.29	0.44	2.77	0.29	45.4
KGRC006	90	96	6	612	128	135.4	273.84	26.21	91.7	14.73	1.67	10.51	1.45	8.88	1.42	3.5	0.41	1.9	0.22	40.8
KGRC006	96	102	6	696	143	159.5	318.05	31.28	102	16.29	1.71	10.76	1.55	8.5	1.36	3.18	0.36	2.12	0.23	39.8
KGRC006	102	108	6	697	144	158.3	316.82	31.4	103.1	16	1.7	10.87	1.69	8.7	1.48	3.56	0.41	2.26	0.27	40.6
KGRC006	108	114	6	725	150	164.8	324.19	32.37	105.4	16.35	1.82	13.31	1.83	10.5	1.76	3.8	0.38	2.24	0.25	46.2
KGRC006	114	120	6	722	152	160.7	319.28	31.4	107.1	18.67	1.91	14.06	2.18	11.59	1.81	4.34	0.45	2.36	0.3	46.6
KGRC006	120	126	6	678	142	151.9	299.63	29.83	99.6	16.24	1.79	13.6	1.94	10.83	1.66	3.54	0.43	2.47	0.26	45
KGRC006	126	132	6	637	132	141.3	281.21	28.62	92.2	14.84	1.66	11.41	1.63	9.8	1.54	4.06	0.5	3.13	0.37	45.3
KGRC006	132	136	4	749	155	170	338.92	33.22	110.8	18.09	1.69	12.1	1.83	9.32	1.67	4	0.45	2.5	0.31	44.5
KGRC007	0	4	4	747	135	205.2	330.33	30.68	94	13.97	1.73	9.71	1.48	8.87	1.37	3.79	0.46	3.04	0.29	42.2
KGRC007	4	8	4	894	177	217	402.78	39.13	125.9	19.37	2.01	13.25	1.85	10.49	1.77	4.7	0.59	3.83	0.36	51.5
KGRC007	8	12	4	1593	272	459.8	734.34	63.9	192.3	28.3	2.79	17.58	2.63	13.6	2.29	5.64	0.73	4.38	0.52	64.2
KGRC007	12	16	4	1200	244	267.4	564.88	54.36	174.9	25.75	2.62	16.77	2.42	13.02	2.25	5.71	0.67	4.63	0.47	64.6
KGRC007	16	20	4	1089	194	207.6	572.24	43.48	136.4	22.15	2.26	14.47	1.92	12.45	2.08	5.86	0.77	5.04	0.67	62.2
KGRC007	20	24	4	1258	245	272.1	612.77	54.23	175.4	25.86	2.61	15.91	2.41	13.77	2.39	6.53	0.76	4.94	0.51	68.7
KGRC007	24	30	6	1181	258	286.2	454.36	53.75	184.2	28.3	2.99	20.98	2.94	17.62	3.19	9	1.07	6.27	0.75	110.1
KGRC007	30	36	6	949	195	228.7	407.69	41.91	137.5	20.59	2.26	16.43	2.37	13.89	2.25	5.86	0.67	4.45	0.45	64.2
KGRC007	36	42	6	732	146	169.4	335.24	32.61	103.7	15.83	1.5	11.58	1.52	8.67	1.51	3.72	0.46	2.66	0.3	43.9
KGRC007	42	48	6	701	144	161.8	318.05	31.89	103.3	15.48	1.62	10.9	1.41	8.15	1.35	3.55	0.42	2.58	0.32	41
KGRC007	48	54	6	677	141	155.4	308.22	30.44	101.3	15.31	1.59	10.26	1.5	7.9	1.31	3.39	0.36	2.24	0.25	38.1
KGRC007	54	60	6	635	133	149.5	283.66	28.14	97.1	14.67	1.5	10.73	1.36	6.81	1.1	2.86	0.31	1.99	0.25	35.9
KGRC007	60	66	6	531	114	122.5	232.7	24.28	82.7	12.41	1.34	8.78	1.15	6.64	1.12	2.96	0.31	2	0.22	32.7
KGRC007	66	72	6	667	142	158.9	292.26	30.32	101.9	14.55	1.64	11.64	1.41	8.38	1.39	3.74	0.41	2.61	0.29	38.1
KGRC007	72	78	6	619	128	146.6	275.07	28.5	91.6	13.8	1.4	10.04	1.39	7.12	1.35	3.56	0.38	2.25	0.32	35.9
KGRC007	78	84	6	552	115	126	240.07	25.12	82.4	13.22	1.28	9.01	1.29	7.15	1.37	3.34	0.35	2.03	0.3	39.2

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC007	84	90	6	651	134	150.1	278.75	28.26	93.6	14.67	1.48	12.33	1.76	11.08	1.81	4.37	0.49	2.57	0.34	50.2
KGRC007	90	96	6	765	158	176.5	329.1	34.42	110.6	16.99	1.88	13.72	2.04	11.05	1.93	5.16	0.52	2.66	0.28	58.5
KGRC007	96	102	6	693	149	158.3	298.4	31.52	106.4	15.83	1.86	11.06	1.51	9.74	1.44	4.4	0.5	2.51	0.29	50
KGRC007	102	108	6	761	158	174.7	329.1	33.22	111	15.89	1.81	13.37	1.9	12.8	2.09	5.48	0.49	2.95	0.29	56.3
KGRC007	108	114	6	717	153	165.3	314.36	32.61	109.6	17.98	1.7	12.1	1.66	9.41	1.66	3.55	0.41	2.26	0.28	44.5
KGRC007	114	120	6	713	145	164.2	309.45	32.97	100.3	16.41	1.42	12.62	1.75	10.53	1.51	4.1	0.51	3.39	0.43	54.2
KGRC007	120	126	6	548	116	130.7	245.6	25.36	83.7	12.12	1.38	8.72	1.32	6.07	1.01	2.54	0.27	1.41	0.21	28.5
KGRC007	126	130	4	676	141	160.7	302.08	31.4	101	14.55	1.67	11.7	1.41	8.18	1.24	3.21	0.37	1.92	0.28	36.7
KGRC008	0	4	4	389	70	108	171.3	16.18	49.3	7.2	0.84	4.69	0.76	4.4	0.64	2.03	0.23	1.67	0.18	21.9
KGRC008	4	8	4	591	117	143.1	275.07	26.45	83.2	12.52	1	7.62	1.16	6.35	1.04	2.77	0.3	2.22	0.25	28.4
KGRC008	8	12	4	1205	235	290.9	586.98	57.25	165.5	23.2	2.43	13.37	1.89	10.37	1.51	4.65	0.51	3.58	0.42	43.3
KGRC008	12	16	4	2181	448	527.8	1047.48	107.87	319.4	42.34	4.31	25.48	3.52	17.67	2.62	6.85	0.81	4.56	0.47	70.1
KGRC008	16	17	1	2554	547	600.5	1200.98	122	396.4	57.88	6.7	33.09	4.71	24.33	3.63	8.11	0.92	5.56	0.59	88.6
KGRC008	17	18	1	2825	614	683.8	1301.68	136.5	445.4	65.19	7.49	37.81	5.37	26.86	3.98	9.31	1.02	5.54	0.55	95.1
KGRC008	18	19	1	3216	675	852.7	1442.9	154.02	487.3	70.29	7.92	41.5	5.56	28.58	4.06	9.49	1.07	5.84	0.53	105.2
KGRC008	19	20	1	2830	639	713.1	1246.42	142.54	464	69.02	7.92	38.97	5.46	27.66	3.94	8.86	1	4.73	0.45	96.1
KGRC008	20	24	4	933	204	253.3	374.54	47.95	144.5	22.27	2.55	13.95	1.85	10.33	1.81	4.83	0.57	3.33	0.42	51.6
KGRC008	24	28	4	882	186	216.4	364.71	40.95	132.3	20.93	2.14	14.58	1.9	11.53	1.77	5.52	0.59	3.53	0.46	65.1
KGRC008	28	32	4	961	197	226.3	426.11	44.33	141.6	20.7	2.52	14.7	1.96	9.57	1.86	5.04	0.71	4.22	0.46	61.5
KGRC008	32	36	4	882	190	195.3	386.82	40.58	138.1	21.69	1.89	13.72	1.97	10.03	1.9	5.38	0.67	3.8	0.52	60.1
KGRC008	36	42	6	816	167	187	365.94	37.2	119.5	17.8	1.8	12.56	1.51	8.91	1.57	4.52	0.51	3.16	0.35	53.9
KGRC008	42	48	6	725	149	173	330.33	34.06	106.6	16.12	1.64	9.89	1.31	7.45	1.2	3.52	0.43	2.4	0.34	37.3
KGRC008	48	54	6	609	126	147.2	277.52	28.14	90.7	12.41	1.36	8.65	1.16	6.07	0.92	2.86	0.3	1.7	0.22	30.3
KGRC008	54	60	6	668	139	156.5	295.94	30.2	99.8	15.02	1.65	10.21	1.39	7.92	1.3	3.65	0.45	2.93	0.34	41
KGRC008	60	66	6	309	57	57.7	111.99	11.29	37.4	7.06	0.88	6.29	1.21	8.02	1.75	5.66	0.66	4.95	0.68	54.3
KGRC008	66	72	6	727	147	171.2	325.42	32.61	104.4	17.51	1.58	11.05	1.49	8.55	1.51	4.46	0.45	3.06	0.51	44
KGRC008	72	78	6	522	106	118.4	220.42	22.65	74.8	11.44	1.33	8.29	1.3	8.07	1.36	4.24	0.55	3.49	0.5	46.1
KGRC008	78	84	6	678	141	161.8	307	31.89	101.4	14.21	1.72	10.57	1.36	6.97	1.11	3.13	0.42	2.09	0.29	35
KGRC008	84	90	6	709	146	171.2	320.5	32.49	105.4	16.12	1.84	11.76	1.32	6.79	1.16	2.98	0.34	2.03	0.2	34.9
KGRC008	90	96	6	746	157	177.7	335.24	34.66	113.8	15.71	1.74	12.62	1.41	7.78	1.32	3.5	0.37	1.9	0.25	38.3
KGRC008	96	102	6	728	153	173.6	326.64	32.25	111	18.56	1.86	11.87	1.75	8	1.28	2.94	0.34	1.98	0.22	35.8
KGRC008	102	108	6	671	137	157.7	295.94	29.71	98	15.25	1.57	11.81	1.55	8.33	1.37	4.06	0.51	2.8	0.4	42.9
KGRC008	108	114	6	640	133	150.1	283.66	28.38	96.7	15.71	1.57	10.35	1.36	7.38	1.26	3.55	0.42	2.46	0.44	37.4
KGRC008	114	120	6	696	145	167.1	313.14	31.52	106.2	16.24	1.69	11.51	1.41	6.8	1.14	3.15	0.28	1.91	0.26	33.9
KGRC008	120	126	6	707	147	170.6	320.5	31.64	107.2	16.58	1.73	10.43	1.3	7.56	1.12	2.9	0.29	1.95	0.22	33.4
KGRC008	126	132	6	658	139	153.6	294.72	29.11	102.2	16.41	1.58	10.31	1.24	7.31	1.1	2.92	0.28	2.01	0.23	35.1
KGRC008	132	138	6	507	106	121.4	230.25	22.83	77.7	12.52	1.2	7.62	0.84	4.72	0.85	2.08	0.2	1.24	0.17	24
KGRC008	138	142	4	576	119	139.5	260.33	25.73	87.2	13.8	1.65	9.22	1.14	5.29	1.04	2.16	0.28	1.73	0.19	27.6
KGRC008	142	148	6	680	140	166.5	311.91	30.56	101.2	14.55	1.69	9.83	1.34	6.94	1.1	3.01	0.29	1.89	0.27	29.8
KGRC009	0	4	4	127	21	32	46.29	4.21	14.4	3.12	0.38	2.38	0.38	3	0.6	1.86	0.27	1.65	0.22	16.3
KGRC009	4	8	4	215	44	53.8	86.81	8.26	31.8	4.89	0.54	3.85	0.64	3.39	0.55	1.79	0.23	1.65	0.2	17.3

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC009	8	12	4	357	72	85.8	150.43	14.79	51.4	8.39	0.85	6.04	0.92	5.43	0.93	2.36	0.34	1.67	0.26	27.6
KGRC009	12	16	4	875	174	211.1	415.06	39.86	124.7	20.18	1.57	12.45	1.69	8.32	1.3	3.22	0.39	2.25	0.21	33.2
KGRC009	16	20	4	1345	282	312	616.45	59.19	204.6	34.22	3.46	20.58	2.9	15.84	2.56	6.28	0.65	3.38	0.42	62.7
KGRC009	20	24	4	1219	271	290.9	544	58.82	197	31.55	3.2	18.96	2.61	12.62	1.97	4.26	0.54	3	0.37	49.2
KGRC009	24	28	4	499	115	129	205.69	25.48	83.6	12.93	1.73	7.49	1.03	5.65	0.85	2.18	0.26	1.46	0.2	21.9
KGRC009	28	32	4	1018	216	254.5	442.08	47.47	155.6	24.24	2.5	16.6	2.09	11.42	1.76	4.42	0.51	2.84	0.37	52
KGRC009	32	36	4	774	164	184.1	338.92	34.79	119.5	17.34	2.06	12.1	1.62	8.71	1.44	3.55	0.45	2.6	0.38	46.7
KGRC009	36	40	4	819	163	174.7	390.5	34.42	118.3	18.27	1.89	12.62	1.75	9.29	1.53	3.98	0.45	2.92	0.37	48.6
KGRC009	40	46	6	760	159	183.5	334.01	33.7	115.7	18.21	1.82	12.22	1.55	8.96	1.42	3.71	0.44	2.44	0.26	42.9
KGRC009	46	52	6	625	129	145.4	275.07	26.81	91.7	14.79	1.71	10.98	1.64	9.09	1.44	3.39	0.41	2.23	0.36	40.7
KGRC009	52	58	6	686	144	155.4	293.49	30.07	102.4	16.12	1.54	11.44	1.71	9.99	1.73	4.25	0.54	3.1	0.4	54.4
KGRC009	58	64	6	648	134	149.5	283.66	28.26	95.8	15.08	1.48	10.66	1.59	9.25	1.58	3.98	0.39	2.33	0.34	44.8
KGRC009	64	70	6	693	143	160.7	303.31	29.35	103	15.95	1.65	12.51	1.83	9.49	1.6	3.88	0.43	2.47	0.43	46.8
KGRC009	70	76	6	686	140	162.4	308.22	29.47	102	16	1.55	11.99	1.59	7.63	1.3	3.72	0.37	1.93	0.21	38.3
KGRC009	76	82	6	770	163	183.5	343.84	34.06	120	19.77	1.59	11.99	1.59	7.85	1.35	3.31	0.36	2	0.27	39.2
KGRC009	82	88	6	732	151	174.1	334.01	32.13	110.8	17.28	1.64	10.8	1.27	7.16	1.2	3.22	0.33	2.05	0.25	36.3
KGRC009	88	94	6	557	113	134.8	249.28	24.28	82.5	13.39	1.52	8.17	1.14	5.82	0.96	2.74	0.33	2.08	0.31	30
KGRC009	94	100	6	720	149	173	327.87	32.13	109.1	16.35	1.55	9.65	1.34	7.1	1.11	3.29	0.33	1.99	0.26	35.3
KGRC010	0	4	4	399	81	86.9	182.35	17.51	58.3	8.61	0.74	5.43	0.79	5.34	0.91	2.7	0.34	2.71	0.31	26.9
KGRC010	4	8	4	419	85	88.2	191.56	18.72	59.9	8.34	0.81	6.39	0.94	5.9	1.08	2.8	0.43	3.56	0.43	30.9
KGRC010	8	12	4	278	53	58.8	121.57	12.38	35.6	5.92	0.83	3.89	0.77	4.86	0.96	3	0.45	3.3	0.3	26.1
KGRC010	12	16	4	1507	276	388.2	709.78	66.31	193.5	29.11	2.79	16.54	2.43	14.4	2.37	6.99	0.97	5.85	0.59	67.9
KGRC010	16	20	4	1577	326	360.1	738.02	73.08	234.3	35.61	3.52	20.06	2.91	15.89	2.69	7.45	0.91	5.96	0.59	76.8
KGRC010	20	24	4	1557	308	297.9	830.12	70.54	222.7	33.17	3.61	16.94	2.37	13.37	1.94	5.39	0.76	4.05	0.44	54.6
KGRC010	24	28	4	1379	284	283.8	660.66	61.6	204	32.13	3.57	20.06	2.9	15.55	2.63	7.32	0.94	5.92	0.65	78.2
KGRC010	28	32	4	819	164	181.2	378.22	36.6	116	17.51	1.96	12.56	1.68	9.84	1.78	4.76	0.54	3.17	0.31	53.3
KGRC010	32	36	4	958	208	233.4	396.64	43.97	149.2	21.34	2.32	16.14	2.11	13.14	2.2	5.9	0.76	3.97	0.56	66.9
KGRC010	36	40	4	1012	207	241.6	427.34	44.09	147.4	21.98	2.25	15.33	2.3	13.94	2.5	7.17	0.79	4.11	0.57	81.6
KGRC010	40	44	4	945	196	220.5	415.06	42.64	140.5	21.17	2.29	13.6	2.05	11.65	1.95	6.33	0.7	3.31	0.44	63.3
KGRC010	44	48	4	965	204	235.7	408.92	44.21	147.4	22.73	2.52	15.68	2.09	11.26	2.01	5.57	0.62	3.88	0.44	62.4
KGRC010	48	52	4	915	185	205.8	427.34	40.46	132.9	20.41	2.15	13.72	1.74	10.38	1.71	4.58	0.52	2.95	0.36	50.1
KGRC010	52	56	4	729	150	170	320.5	31.89	107.8	17.05	1.85	12.39	1.64	9.33	1.59	4.26	0.51	2.8	0.27	47.4
KGRC010	56	60	4	756	156	179.4	322.96	33.7	111.2	18.15	1.79	12.22	1.71	10.35	1.87	4.75	0.52	3.04	0.34	54.9
KGRC010	60	64	4	767	157	177.7	330.33	33.7	110.6	17.11	1.95	13.14	1.83	11.65	1.99	5.38	0.57	3.07	0.29	57.7
KGRC010	64	68	4	746	152	171.2	322.96	32.13	105.7	18.5	2.02	14.18	2.04	12.39	2	5.22	0.5	2.66	0.28	54.7
KGRC010	68	72	4	737	152	168.3	310.68	31.64	105.1	17.05	1.64	14.41	2.1	13.2	2.08	5.33	0.55	3.31	0.45	61.5
KGRC010	72	76	4	785	162	185.3	336.47	33.82	113.3	19.89	2.06	13.95	1.99	13.25	1.92	4.72	0.44	2.32	0.3	55.6
KGRC010	76	80	4	692	136	156.5	308.22	29.35	95.8	16.18	1.73	11.81	1.82	9.93	1.66	4.38	0.53	2.69	0.4	51.8
KGRC010	80	84	4	676	131	150.1	309.45	28.26	91.4	15.37	1.67	11.16	1.64	9.75	1.58	4.26	0.5	2.65	0.38	48
KGRC010	84	88	4	978	180	195.8	477.69	38.65	127	21.05	2.45	16.31	2.17	12.62	2.15	6.16	0.7	4.38	0.56	71.1
KGRC010	88	92	4	802	157	181.8	375.76	34.3	112.7	18.32	1.95	12.74	1.59	8.48	1.44	4.02	0.46	2.63	0.31	45.8

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC010	92	96	4	638	131	151.3	287.35	29.23	94	14.73	1.62	9.38	1.25	6.76	1.19	2.88	0.29	2.4	0.29	35.9
KGRC010	96	100	4	736	152	175.9	335.24	32.61	111.5	17.16	1.76	10.48	1.38	7.15	1.21	3.16	0.31	2	0.21	36.1
KGRC011	0	4	4	41	6	6.8	13.13	1.26	4.3	0.96	0.11	0.66	0.14	1.2	0.24	0.85	0.15	1.13	0.2	10.2
KGRC011	4	8	4	156	27	36.5	64.1	5.99	18.5	3.16	0.35	2.3	0.43	2.78	0.52	1.73	0.21	1.97	0.25	17.7
KGRC011	8	12	4	625	110	165.9	282.44	25.73	76.9	12.58	1.15	8.1	0.99	6.85	1.08	3.13	0.44	3	0.36	36.9
KGRC011	12	16	4	1380	220	419.9	644.7	55.32	152.1	21.28	2.15	12.91	1.77	10.98	1.62	4.49	0.59	3.47	0.43	49.1
KGRC011	16	17	1	3455	811	694.4	1713.06	189.05	591.1	89.43	9.18	41.39	5.38	25.83	3.39	8.45	0.97	5.54	0.57	77.4
KGRC011	17	18	1	4366	1054	870.3	2112.16	232.54	776.5	120.64	12.33	60.53	7.91	37.08	5.12	12.11	1.3	7.42	0.7	109.8
KGRC011	18	19	1	2934	734	572.4	1356.94	155.83	539.8	86.3	9.2	49.23	6.73	32.14	4.52	10.99	1.17	6.4	0.75	101.7
KGRC011	19	20	1	1251	293	256.8	561.19	60.03	214.5	33.52	3.52	21.44	2.89	15.72	2.46	6.62	0.76	4.88	0.62	66.6
KGRC011	20	24	4	1329	320	320.2	514.53	67.52	229.7	36.88	4.3	25.94	3.56	19.57	3.09	7.84	0.84	4.82	0.63	90
KGRC011	24	28	4	915	183	192.3	399.1	37.93	130	21.51	2.24	15.79	2.16	13.83	2.49	6.83	0.85	5.33	0.77	84.4
KGRC011	28	32	4	752	153	173	329.1	33.22	108.5	17.63	1.77	12.39	1.71	9.58	1.73	4.59	0.6	3.22	0.46	54.6
KGRC011	32	36	4	612	127	142.5	268.93	26.93	91.7	15.66	1.51	9.67	1.21	7.69	1.24	3.62	0.46	2.74	0.38	37.8
KGRC011	36	40	4	525	108	118.4	225.33	23.07	76.4	12.06	1.32	9.05	1.29	7.38	1.38	3.98	0.51	3.32	0.43	41.9
KGRC011	40	46	6	635	132	148.9	286.12	27.66	96.5	15.25	1.59	9.52	1.43	6.72	1.16	3.15	0.38	2.22	0.22	35.1
KGRC011	46	52	6	655	136	156	295.94	28.87	99.6	15.6	1.64	9.23	1.31	6.91	1.11	3.31	0.42	2.16	0.25	33.6
KGRC011	52	58	6	681	141	161.8	307	29.95	103.1	16.35	1.64	9.58	1.34	6.94	1.2	3.32	0.34	1.91	0.28	37
KGRC011	58	64	6	651	135	153.6	289.8	28.99	97.5	15.31	1.4	9.29	1.38	7.63	1.35	3.65	0.42	2.38	0.35	38.6
KGRC011	64	70	6	690	143	164.2	310.68	30.07	104.7	16.87	1.55	9.81	1.34	7.37	1.28	3.48	0.34	1.98	0.27	36.8
KGRC011	70	76	6	675	143	159.5	303.31	29.59	105.2	15.31	1.4	9.61	1.25	7.07	1.28	3.04	0.37	1.92	0.25	36.4
KGRC011	76	82	6	585	119	141.9	266.47	25.85	86.9	13.1	1.34	7.87	1.16	5.76	1.06	2.42	0.28	1.53	0.22	29.5
KGRC011	82	88	6	506	104	121.4	230.25	21.8	77	11.18	0.94	6.91	0.9	4.79	0.81	2.3	0.27	1.41	0.19	26.7
KGRC011	88	94	6	454	90	104	200.16	19.63	64.1	10.38	1.18	6.45	0.98	5.77	1.03	2.91	0.37	2.79	0.35	34.5
KGRC011	94	100	6	631	130	152.4	288.58	27.78	95.8	14.96	1.27	8.84	1.16	5.88	0.97	2.65	0.3	1.54	0.22	29.5
KGRC011	100	106	6	602	125	147.7	273.84	27.18	91.1	13.28	1.22	8.07	1.09	5.84	1.05	2.45	0.27	1.48	0.19	28
KGRC011	106	112	6	598	123	146	273.84	26.09	90.4	12.12	1.34	7.35	1.09	5.75	1.01	2.37	0.28	1.57	0.21	28.9
KGRC011	112	118	6	600	120	147.2	273.84	26.21	87.1	12.18	1.2	7.51	1.14	6.1	1.08	2.59	0.3	1.68	0.23	31.7
KGRC011	118	124	6	620	126	152.4	282.44	27.66	91.1	13.39	1.19	7.58	1.05	6.33	1.08	2.75	0.27	1.6	0.25	31.6
KGRC011	124	130	6	542	112	130.2	244.37	23.61	82.2	10.37	1.36	6.89	1.08	6.06	1.01	2.58	0.25	1.54	0.25	31.1
KGRC012	0	4	4	179	28	51.3	78.34	6.12	20.2	2.94	0.39	2.38	0.36	2.25	0.42	1.06	0.18	1.23	0.17	12.3
KGRC012	4	8	4	638	85	229.3	287.35	20.47	60.2	7.93	0.96	4.95	0.81	3.93	0.69	1.79	0.18	1.21	0.12	18.7
KGRC012	8	12	4	814	114	262.7	381.9	27.18	80.9	11.83	1.34	6.54	1.02	5.83	1.01	2.8	0.31	1.9	0.21	28.9
KGRC012	12	16	4	1008	222	208.7	486.28	50.61	161.4	23.2	2.74	11.41	1.77	8.95	1.46	3.93	0.54	3.51	0.43	43.5
KGRC012	16	20	4	1318	353	272.1	519.44	72.23	257.6	40.71	5.29	24.67	3.85	19.8	3.33	7.76	0.97	6.11	0.71	83.5
KGRC012	20	24	4	573	122	126	241.91	24.28	87.6	13.63	2	10.87	1.48	9.18	1.53	4.35	0.54	2.76	0.36	47.3
KGRC012	24	28	4	802	167	180	342.61	34.66	119.5	18.9	1.94	13.2	1.96	11.3	2.03	5.12	0.68	3.81	0.54	66.6
KGRC012	28	32	4	675	142	158.9	302.08	29.47	104.4	14.84	1.77	10.65	1.5	7.57	1.28	3.4	0.31	2.31	0.28	36.9
KGRC012	32	36	4	681	142	160.1	303.31	30.32	103	16.24	1.66	10.65	1.48	7.86	1.44	3.31	0.41	2.43	0.27	39.3
KGRC012	36	40	4	708	150	167.7	315.59	31.28	110	16.12	1.89	11.27	1.45	7.45	1.35	3.36	0.45	2.18	0.27	38.4
KGRC012	40	44	4	622	133	147.2	276.3	27.54	98.2	13.86	1.55	9.5	1.31	6.6	1.06	3.3	0.34	2.02	0.28	33.4

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC012	44	48	4	662	139	157.7	299.63	28.87	102	14.44	1.62	10.04	1.34	6.95	1.29	3.14	0.38	1.74	0.27	32.8
KGRC012	48	52	4	702	148	165.9	313.14	30.8	107.8	15.66	1.62	11.02	1.41	8.01	1.35	3.38	0.38	2.43	0.43	38.9
KGRC012	52	56	4	532	112	124.9	237.61	22.71	82.9	11.19	1.43	7.8	1.11	6.13	1.13	2.86	0.31	1.77	0.28	30
KGRC012	56	58	2	650	135	155.4	292.26	28.38	99.3	14.9	1.5	8.85	1.31	6.72	1.21	2.89	0.36	1.69	0.23	35.1
KGRC012	58	62	4	195	38	42.4	79.32	7.7	27.1	4.86	0.92	3.72	0.59	3.39	0.72	2.16	0.25	1.85	0.19	20.8
KGRC012	62	66	4	130	25	27.6	50.1	4.88	17.7	2.67	0.84	2.29	0.41	2.65	0.5	1.72	0.25	1.53	0.23	17.1
KGRC012	66	68	2	647	138	153	286.12	31.77	97.2	16.41	1.6	10.44	1.42	7.66	1.26	2.88	0.3	2.08	0.27	35.3
KGRC012	68	72	4	648	138	147.2	279.98	30.56	97.1	15.02	1.41	11.53	1.59	9.08	1.46	3.95	0.53	2.98	0.36	46.2
KGRC012	72	76	4	656	136	156.5	286.12	31.16	95.6	14.67	1.78	10.13	1.48	8.19	1.48	3.53	0.47	2.58	0.28	42.5
KGRC012	76	80	4	666	138	161.8	297.17	32.61	96.5	14.73	1.57	9.69	1.31	7.96	1.3	3.21	0.34	2.14	0.22	36.4
KGRC012	80	84	4	692	144	165.3	309.45	34.06	100.5	16.06	1.73	10.27	1.43	8.13	1.34	3.56	0.31	2.02	0.27	37.7
KGRC012	84	88	4	679	143	161.8	298.4	32.25	100.2	15.37	1.62	10.67	1.48	9.49	1.43	3.52	0.41	2.23	0.36	40.1
KGRC012	88	92	4	686	145	164.8	302.08	33.7	101.3	15.02	1.71	10.12	1.51	8.96	1.37	3.49	0.42	2.41	0.28	38.9
KGRC012	92	96	4	628	130	150.7	279.98	30.92	91.6	14.09	1.55	8.91	1.19	6.97	1.24	3.38	0.38	2.42	0.32	34.4
KGRC012	96	100	4	708	148	164.8	308.22	34.66	104.2	16.18	1.43	10.87	1.5	8.55	1.58	4.37	0.45	3.24	0.38	47.8
KGRC012	100	104	4	639	130	147.7	276.3	30.68	90.4	14.55	1.34	10.14	1.34	8.39	1.39	4.02	0.47	3.71	0.45	49.1
KGRC012	104	108	4	657	136	151.3	282.44	31.4	94.9	15.37	1.48	10.07	1.64	8.49	1.5	4.4	0.58	3.99	0.54	49.6
KGRC012	108	112	4	598	123	136	255.42	28.26	85.4	13.22	1.5	9.53	1.45	8.03	1.48	4.06	0.54	3.28	0.57	49.6
KGRC012	112	116	4	673	139	158.3	297.17	33.09	97	15.08	1.52	9.69	1.45	7.56	1.39	3.62	0.46	2.77	0.43	44.4
KGRC012	116	120	4	652	133	154.2	295.94	31.52	93.6	13.74	1.52	9.4	1.34	7.4	1.16	3.37	0.38	2.32	0.29	36.5
KGRC012	120	124	4	642	130	144.2	271.38	29.83	90.3	13.05	1.2	9.84	1.55	9.26	1.76	4.59	0.7	4.57	0.51	59.6
KGRC012	124	128	4	695	143	167.1	314.36	34.66	100.6	14.73	1.62	9.52	1.41	7.31	1.26	3.22	0.41	2.2	0.22	36.9
KGRC012	128	132	4	699	145	165.9	315.59	34.91	101	15.42	1.38	9.62	1.43	7.88	1.35	3.62	0.39	2.27	0.2	38.3
KGRC012	132	136	4	668	136	160.1	302.08	32.61	95	13.34	1.07	8.97	1.43	7.54	1.37	3.5	0.43	2.34	0.29	38.4
KGRC012	136	140	4	598	120	140.7	270.16	30.07	82.4	12.64	1.18	8.94	1.37	7	1.21	3.48	0.39	2.35	0.34	36.3
KGRC012	140	144	4	580	118	138.4	259.1	27.9	82.6	11.89	1.25	8.91	1.34	6.96	1.2	3.05	0.31	1.98	0.3	35.8
KGRC012	144	148	4	724	150	168.9	318.05	35.27	104.1	17.74	1.41	11.05	1.64	9.43	1.63	4.36	0.49	2.48	0.38	47.3
KGRC012	148	152	4	635	131	151.3	283.66	31.16	90.8	13.34	1.26	10.26	1.47	7.93	1.28	3.09	0.35	1.86	0.22	37.8
KGRC012	152	154	2	590	123	141.9	259.1	28.14	86.5	13.28	1.2	8.8	1.38	7.62	1.26	3.1	0.28	1.81	0.27	35.5
KGRC013	0	4	4	1012	210	215.2	454.36	47.11	147.4	24.7	2.36	17.06	2.43	13.37	2.42	6.16	0.73	4.1	0.53	74.2
KGRC013	4	8	4	672	142	155.4	282.44	32.25	99.2	16.18	1.71	11.41	1.7	9.36	1.57	4.85	0.51	3.13	0.43	52.1
KGRC013	8	12	4	955	219	249.8	316.82	48.56	150.9	24.94	2.29	19.6	2.88	17.39	3.14	9.33	1.03	5.75	0.78	102.6
KGRC013	12	16	4	724	158	181.2	288.58	36.36	111.2	16.76	1.69	12.45	1.69	9.6	1.78	5.18	0.59	3.55	0.45	53.3
KGRC013	16	22	6	730	149	169.4	318.05	34.91	104.8	16.58	1.56	11.44	1.59	8.42	1.7	4.38	0.46	3.12	0.37	53.4
KGRC013	22	28	6	500	106	116.3	217.97	24.28	75.4	11.36	1.34	7.86	1.08	6.21	1.12	2.99	0.38	2.18	0.26	32.2
KGRC013	28	34	6	622	133	144.8	276.3	30.8	93.9	14.67	1.34	9.9	1.28	7.73	1.23	3.06	0.33	1.85	0.26	35
KGRC013	34	40	6	572	121	137.8	252.96	27.42	87.3	12.29	1.52	8.55	1.03	6.14	1.14	2.84	0.3	1.82	0.23	30.8
KGRC013	40	46	6	723	152	163	315.59	31.64	108.9	16.76	1.66	11.58	1.75	9.71	1.75	5.24	0.65	3.34	0.43	51
KGRC013	46	52	6	769	162	175.9	340.15	34.3	117.7	18.79	1.63	11.7	1.54	9.43	1.58	4.64	0.58	3.69	0.42	47.4
KGRC013	52	58	6	723	151	168.3	322.96	32.85	109	16.99	1.63	11.18	1.54	7.88	1.5	3.65	0.47	2.67	0.35	42.7
KGRC013	58	64	6	795	166	183.5	354.89	34.91	120.6	18.96	1.63	12.45	1.71	9.49	1.69	4.2	0.54	2.93	0.4	47.4

Hole	From m	To m	Interval m	TREYO ppm	MREO ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Sm_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm
KGRC013	64	70	6	619	127	138.4	267.7	26.93	91.1	14.5	1.44	10.07	1.39	7.99	1.61	4.67	0.59	3.43	0.36	49
KGRC013	70	76	6	616	128	138.4	268.93	27.3	90.9	14.61	1.51	10.49	1.5	8.65	1.45	4.18	0.52	2.9	0.4	45
KGRC013	76	82	6	735	154	165.3	318.05	32.25	108.4	17.51	1.82	13.2	1.97	11.53	1.9	4.82	0.59	2.8	0.32	54.9
KGRC013	82	88	6	692	146	153	295.94	30.2	101.4	16.53	1.67	13.2	2.05	12.57	2.06	5.2	0.51	2.74	0.31	55.2
KGRC013	88	94	6	629	132	140.7	271.38	27.05	93.8	14.61	1.55	11.04	1.63	9.59	1.76	4.37	0.62	3.7	0.5	47.2
KGRC013	94	100	6	702	147	163	313.14	31.28	106.4	16.99	1.62	10.95	1.52	8.5	1.52	4.06	0.47	2.49	0.34	40.7
KGRC013	100	106	6	682	143	158.9	303.31	30.92	103	16.58	1.72	10.81	1.44	8.08	1.38	3.56	0.41	2.34	0.32	39.4
KGRC013	106	112	6	771	165	178.2	346.29	34.91	120	18.56	1.8	12.1	1.64	8.66	1.48	3.78	0.46	2.63	0.3	41
KGRC013	112	118	6	687	144	160.7	308.22	30.8	105.1	17.34	1.66	10.83	1.32	7.34	1.31	3.31	0.35	1.93	0.27	37.5
KGRC013	118	124	6	718	151	168.9	324.19	32.85	109.6	15.95	1.74	10.13	1.29	7.72	1.35	3.52	0.36	1.95	0.2	38.4
KGRC013	124	130	6	729	153	170	326.64	32.61	111.5	15.77	1.63	10.28	1.34	8.04	1.53	3.95	0.52	2.63	0.35	43
KGRC013	130	136	6	673	140	157.7	305.77	30.2	102.9	15.19	1.55	9.24	1.18	6.71	1.26	3.2	0.33	1.91	0.26	35.9
KGRC013	136	142	6	626	126	147.7	283.66	28.14	90.2	13.28	1.49	8.85	1.18	7.03	1.36	3.56	0.39	2.2	0.32	36.7
KGRC013	142	148	6	710	146	162.4	315.59	32.01	105.1	15.6	1.59	9.53	1.38	8.32	1.5	4.58	0.49	2.99	0.42	48.7
KGRC013	148	154	6	697	144	153	299.63	30.68	102.7	15.48	1.54	10.45	1.62	9.44	1.89	5.47	0.77	4.62	0.63	59.6
KGRC013	154	160	6	633	132	148.9	284.89	28.75	95.8	14.26	1.43	8.14	1.14	6.78	1.23	3.25	0.36	1.95	0.23	36.4
KGRC013	160	166	6	627	129	144.8	278.75	28.38	92.8	14.44	1.48	9.1	1.22	7.48	1.37	3.29	0.43	2.82	0.39	40.5
KGRC013	166	172	6	713	148	167.1	319.28	32.49	107	15.77	1.59	9.38	1.25	8.19	1.59	3.74	0.47	2.87	0.32	42.7
KGRC013	172	178	6	697	144	163.6	316.82	32.01	103.7	15.13	1.51	8.97	1.24	7.54	1.39	3.58	0.38	2.34	0.3	39.4
KGRC013	178	184	6	827	174	194.7	376.99	37.2	127.6	18.85	1.86	10.29	1.42	8.26	1.43	3.48	0.37	2.27	0.26	42.1
KGRC013	184	190	6	616	128	144.8	278.75	27.78	92.8	14.44	1.49	8.03	1.18	6.89	1.13	3.12	0.36	2.25	0.3	33.2
KGRC013	190	196	6	643	133	152.4	295.94	29.59	96.3	13.16	1.41	8.19	1.08	6.31	1.1	2.96	0.34	1.73	0.25	32.8
KGRC013	196	202	6	667	140	153.6	300.86	30.2	101	14.44	1.59	9.93	1.37	7.59	1.32	3.49	0.45	2.63	0.34	38.4
KGRC013	202	208	6	606	125	141.3	273.84	27.78	90.2	13.68	1.62	8.99	1.18	6.72	1.2	3.23	0.34	2.07	0.22	34.5
KGRC013	208	214	6	651	133	150.7	287.35	28.99	95.4	15.02	1.72	10.29	1.48	8.1	1.53	4.01	0.5	2.85	0.39	43
KGRC013	214	220	6	589	123	135.4	261.56	26.33	88.8	14.61	1.51	8.73	1.35	7.41	1.26	3.46	0.41	2.18	0.25	36.3
KGRC013	220	226	6	653	135	150.7	288.58	29.47	96.7	14.67	1.44	10.35	1.38	8.04	1.45	4.02	0.46	2.5	0.36	43.3
KGRC013	226	232	6	597	128	134.8	260.33	26.81	91	13.05	1.25	10.49	1.47	8.72	1.53	4.04	0.46	2.64	0.39	40.1
KGRC013	232	238	6	614	129	142.5	275.07	27.9	92.8	14.9	1.64	9.65	1.25	7.17	1.3	3.24	0.38	2.18	0.25	34.1
KGRC013	238	244	6	631	131	143.6	281.21	27.3	94.4	15.95	1.52	10.49	1.61	8.25	1.4	3.31	0.39	2.14	0.23	39.4

$MREYO = Pr_6O_{11} + Nd_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3$

$TREYO = La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm^2O^3 + Yb^2O^3 + Y_2O_3 + Lu_2O$

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	• 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. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • In cases where 'industry standard' work has been done this would be relatively simple (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 (eg submarine nodules) may warrant disclosure of detailed information.	• Laboratory assay results are being reported for the samples from a recently completed 13 hole (1906 m) Reverse Circulation (RC) drilling program at Codrus Minerals' Karloning REE Project, WA. • The RC drill cuttings of c. 10-20kg were collected on a 1m basis from the drill rig cyclone into large plastic bags and arranged in rows at the drill site for assay sampling. Composite samples of 2-6 m length were collected by sampling spear from the bulk 1 m samples according to lithological criteria for initial assaying. A c. 1-3 kg split was also collected for each meter for follow up assaying if required via a cone splitter mounted on the drill rig cyclone. Single 1m samples have been assayed for the mineralized interval in KGRC001 previously reported. • Assay sample weights ranged from 1-3kg. Sample sizes is considered appropriate for the material sampled. • Commercial assay standards were included in the laboratory submittals at a rate of c. one per 25 samples. • Duplicate samples collected in the same manner as the primary were collected very c. 20th sample.
Drilling techniques	• 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).	• Reverse Circulation (RC) holes were drilled with a 5 ½-inch bit and face sampling hammer.
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• The bulk RC samples were visually assessed for recovery • Samples are considered representative with good recovery. • Only holes KGRC010 and KGRC011 encountered water and did not significantly impact recovery. • Sample bias was not observed.
Logging	• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged.	• All holes were qualitatively geologically logged by a suitably qualified Codrus geologist. • Sample intervals and lengths were selected according to lithology and sample size criteria. • Holes were geologically logged in full.

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all cores taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality, and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• Composite samples of 2-6 m length were collected by sampling spear from the bulk 1 m samples according to lithological criteria for initial assaying. A c. 1-3 kg split was also collected for each metre for follow up assaying via a cone splitter mounted on the drill rig cyclone. Single 1m samples have been assayed for the mineralized interval in KGRC001 previously reported. • Assay sample weights ranged from 1-2kg. Sample sizes is considered appropriate for the material sampled. • Commercial assay standards were included in the laboratory submittals at a rate of c. one per 25 samples. • Duplicate samples collected in the same manner as the primary were collected very c. 20th sample.
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.	• Samples were submitted to ALS Geochemistry, Perth (ALS) f where they were oven dried then pulverized to P80 -75 microns for each sample (ALS method PUL-23). • Assaying was conducted by ALS Geochemistry Perth using a lithium borate fusion at 1025 deg C followed by nitric + hydrochloric + hydrofluoric acid digestion of the melt and ICP-MS finish for a 32 element suite including the REEs and Y (ALS method ME-MS81). • The first 10 samples of Codrus Minerals first 209 sample submission were prioritized for rapid assay, client standards and duplicates were not included in the prioritized assaying but have been for the remainder • Internal commercial laboratory standards reported within the target ranges
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• Sampling and data processing were conducted by suitably qualified Codrus Minerals field technicians and verified by Codrus Minerals geologists. • The use of twinned holes is not considered necessary at this reconnaissance stage of exploration. • Primary data is stored and documented in industry standard ways. • Codrus Minerals assay data is as reported by ALS and has not been adjusted in any way. • Remnant assay pulps are currently held in storage by ALS.
Location of data points	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• Drill hole locations were determined by handheld GPS with a nominal accuracy of +/- 5 metres. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by government 250,000 topographic map sheets and Worldwide 3 arc second SRTM spot height data.
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. • Whether sample compositing has been applied.	• The reported RC holes were drilled on c. 100 x 80 m spacings to test a previously reported soil anomaly potentially associated with the Karloning NYF pegmatite field. • The current drilling is of reconnaissance exploration nature and was not conducted for resource estimation purposes. • Samples were composited for preliminary assaying as described above.

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• The RC holes were drilled approximately perpendicular to the dominant pegmatite dyke and soil geochemistry orientations. • The intersected clay and saprolite zones dip very gently south and southeast such that downhole thicknesses are estimated to be c. 80-85% of true thickness. • Pegmatite dykes observed at surface in the vicinity of the drilling are approximately vertical such that pegmatite intersections in the drill holes are likely to be c. 50% of true thickness.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for all Codrus Minerals samples from collection to dispatch to assay laboratory was managed by Codrus Minerals personnel. • Sample numbers are unique and do not include any locational or interval information useful to non-Codrus Minerals personnel. • The level of security is considered appropriate for such exploration drilling.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• This is the first drill program and as such no audits or reviews have been done as yet. Senior Geologists within the business have visited the drill site and inspected the drill bulk sample bags and chips. • 1 m splits collected from the drill rig cyclone cone splitter will be submitted for laboratory assay in mineralised zones to verify and provide more assay detail within the identified REE mineralised zones.
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	• The RC drilling was entirely conducted within granted exploration licenses E70/5339 (under JV with Talgomine Pty Ltd). • The tenement is in good standing, without known impediments.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Most previous owners and explorers' efforts were focused on the quarrying of feldspar and quartz from the Karloning pegmatite as aggregate products saleable to the construction industry and not relevant to the Codrus Minerals' exploration interests. Some 20 RAB holes are known to have been drilled historically (1970s) within the Karloning quarry area but were only assayed for K and Na. • Kinloch Resources completed a partial soil survey over the northern flank of the Karloning pegmatite in the 2011-2012 period which showed multiple soil anomalous zones with >1000ppm TREEs. To Codrus Minerals knowledge there has been no other systematic exploration of the Karloning Project area for REEs

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Geology	• Deposit type, geological setting, and style of mineralisation.	• The Karloning REE Project is located within granitic basement of the western Yilgarn Craton. Numerous pegmatite occurrences are known within the Mukinbudin district and the GSWA maps a c. 1.5 km long pegmatite zone at Karloning on the Bencubbin (SH50-11) 1:250,000 geological map sheet. The Karloning pegmatite is a Niobium-Yttrium-Fluorine (NYF) type which is prospective for REEs. NYF pegmatites are typically zoned inwards from biotite adamellite through graphic granite and albite zones to a quartz core. Reconnaissance rock sampling previously reported to the ASX by Codrus Minerals demonstrates potentially significant REE mineralization associated with the Karloning pegmatites.
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: ○ easting and northing of the drill hole collar ○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar ○ dip and azimuth of the hole ○ down hole length and interception depth ○ hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly ○ explain why this is the case.	• Location and orientation details are given in Table 2. • Drill hole locations were determined by handheld GPS with a nominal accuracy of +/- 5 metres. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by government 250,000 topographic map sheets and Worldwide 3 arc second SRTM spot height data.
Data aggregation methods	• 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. • Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Intersections given in Table 1 are length weighted and a cut off grade of 900ppm TREYO was applied and a maximum of 4m of internal dilution included, samples also had to be logged as clay or saprolite. • Intersections of REE in fresh granite are length weighted a cut off grade of 500ppm TREYO was applied and a maximum of 8m of internal dilution included • Full sample assay interval results without aggregation methods are given in Table 2. • Metal equivalents have not been applied. • Standard element to oxide conversion factors have been used.

La_2O_3	1.173	Tb_4O_7	1.176
CeO_2	1.228	Dy_2O_3	1.148
Pr_6O_{11}	1.208	Ho_2O_3	1.146
Nd_2O_3	1.166	Er_2O_3	1.143
Sm_2O_3	1.16	Tm_2O_3	1.142
Eu_2O_3	1.158	Yb_2O_3	1.139
Gd_2O_3	1.153	Lu_2O_3	1.137

Criteria	JORC Code explanation	Commentary
		• Y_2O_3 1.27
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	• The intersected clay and saprolite zones dip very gently south and southeast such that downhole thicknesses are estimated to be c. 80-85% of true thickness. • Pegmatite dykes observed at surface in the vicinity of the drilling are approximately vertical such that pegmatite intersections in the drill holes are likely to be c. 50% of true thickness.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	• An appropriate drill hole plan and cross sections are included in this report.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.	• All the drill hole REE assay results to date are given in Tables 1 and 2..
Other substantive exploration data	• Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	• The results are considered indicative only of the mineralisation in the area. • An appropriate drill hole plan and cross section is included in this report.
Further work	• The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling). • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• Appropriate maps and and diagrams are included in this report. • Codrus Minerals will review and plan follow up work on the assaying results received.

Section 3 Estimation and Reporting of Mineral Resources

Not applicable

Section 4 Estimation and Reporting of Ore Reserves

Not applicable