Jupiter Delivers over 7,000 ppm TREO assays from Maiden RC Drill Program

The Board of Venture Minerals (ASX: VMS) is pleased to announce that it has received outstanding assay results including over 7,000 ppm TREO[1] from the maiden Reverse Circulation ("RC") drilling program at the new Jupiter REE Target *(Refer to ASX announcement 9 November 2023).*

Highlights

- Initial RC program at Jupiter delivers clay hosted REE mineralisation in all 25 holes.
- Compelling assay results across 40 km^2 target.
- Consistent 20-30 metre (m) widths of REE mineralisation grading over 2,000 ppm TREO *(See Table 1)* within broader zones up to 64 m grading over 1,000 ppm TREO *(See Table 2).*
- Magnet Rare Earth Oxides (MREO[2]) averaging 23% over +1,000 ppm TREO intersections *(See Tables 2 & 3)* .
- Extremely low Thorium and Uranium *(See Table 4).*
- Potential for resources with significant grade and scale confirmed.
- Resource definition drill program commenced ~5,000 m to be completed in ~3 weeks.

Table One: Jupiter Drill Intersection Highlights *(See Figure 1, see Table 2 for +1,000 ppm TREO intersections)*

Hole No.	Intersection(m)	TREO (ppm)
BBRC001	**32**	**2,120**
including	**6**	**4,017**
BBRC002	**22**	**2,214**
BBRC007	**26**	**2,117**
BBRC008	**18**	**2,110**
BBRC009	**20**	**2,152**
BBRC011	**12**	**2,059**
BBRC017	**26**	**2,019**
BBRC018	**30**	**2,284**
BBRC019	**16**	**2,394**
including	**2**	**7,367**
BBRC020	**16**	**2,051**
BBRC021	**22**	**1,928**
including	**8**	**3,168**
including	**4**	**4,427**
BBRC023	**18**	**2,075**
BBRC024	**18**	**1,647**
including	**6**	**2,659**

Venture's Managing Director commented,

"RC drilling at our priority, large-scale Jupiter Rare Earths Target has delivered even better grades and widths of clay hosted mineralisation than our reconnaissance air core program. These phenomenal results enhance Venture's belief that the Jupiter target has the potential to become an exceptional Rare Earths Project.

"The scale and quality of this opportunity along with its proximity to infrastructure and processing plants makes it a standout among its peers. There is road, power and port infrastructure adjacent to the Project. It is situated between Lynas's existing plant and Iluka's planned rare earth processing facilities."

"Jupiter's immediate value proposition to shareholders lies in quickly delivering a cost-effective Maiden Resource of high-grade, critical REE minerals that are in demand in a strategically secure location like Western Australia."

1.TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides.
2.MREO represents the sum of the Neodymium, Praseodymium, Dysprosium and Terbium expressed as oxides.

Figure 1 | Jupiter 40 sq.km target showing RC Drill Intersection Highlights of clay hosted REE mineralisation on gravity.

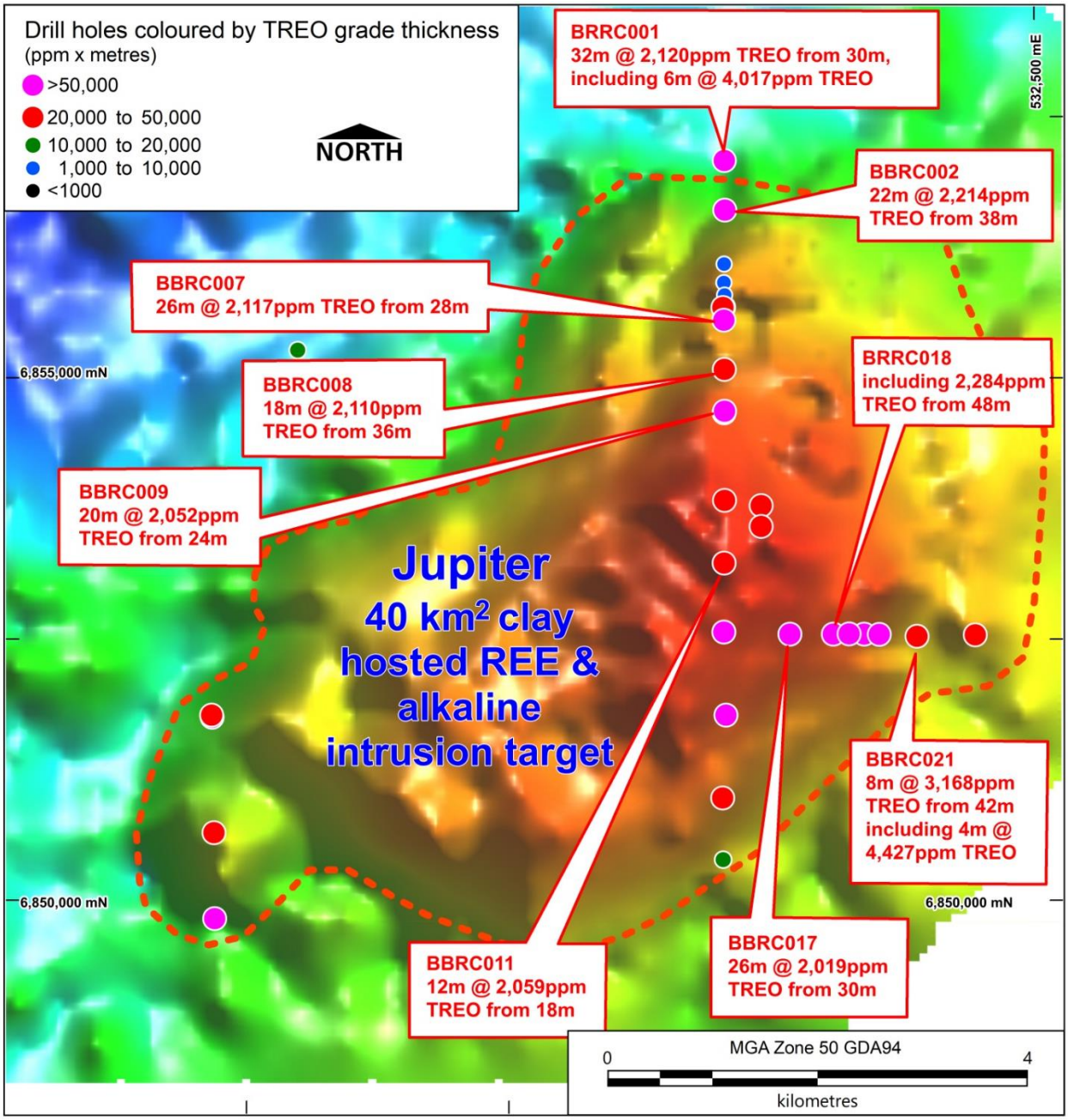


Table Two: Jupiter RC Drilling Intersections over 1,000 ppm TREO *(See Figures 4 & 5. All results are for 2 m composites, refer to Tables 3 & 4 for full details):*

Hole No.	Intersection(m)	TREO (ppm)	From (m)
BBRC001	**32**	**2,120**	30
including	**6**	**4,017**	30
BBRC002	**38**	**1,820**	24
including	**22**	**2,214**	38
BBRC007	**36**	**1,917**	24
including	**26**	**2,117**	28
BBRC008	**18**	**2,110**	36
including	**10**	**2.603**	36
BBRC009	**36**	**1,596**	8
including	**20**	**2,152**	24
BBRC011	**28**	**1,635**	14
including	**12**	**2,059**	18
BBRC012	**42**	**1,249**	24
including	**10**	**1,733**	30

BBRC013	**42**	**1,293**	30
including	**6**	**2,071**	48
BBRC017	**64**	**1,613**	18
including	**26**	**2,019**	30
BBRC018	**60**	**1,695**	24
including	**30**	**2,284**	48
BBRC019	**32**	**1,629**	22
including	**16**	**2,397**	26
including	**2**	**7,367**	36
BBRC020	**42**	**1,281**	24
including	**16**	**2,051**	38
BBRC021	**22**	**1,928**	30
including	**8**	**3,168**	42
including	**4**	**4,427**	42
BBRC023	**48**	**1,522**	38
including	**18**	**2,075**	42
BBRC024	**18**	**1,647**	36
including	**6**	**2,659**	42

Venture Minerals Limited (ASX code: VMS) ("Venture" or the "Company") is pleased to announce that it has received outstanding assay results including over 7,000 ppm TREO from the maiden RC drilling program at the new Jupiter Rare Earths Elements ("REE") Target at the Brothers Project *(Refer to ASX announcement 9 November 2023).*

The RC drill program consisted of two traverses across the large, 40 square kilometre, clay hosted REE and alkaline intrusion target, with assay results consistently delivering broad, high-grade zones of REE mineralisation *(Refer to Figures 1, 3 to 5 and Tables 1 to 4).*

Clay hosted REE mineralisation was intersected in all 25 drill holes (for 1,794 m) within the Jupiter target confirming the target has significant grade and scale potential. The Company has committed to an ~5,000 m slimline RC drilling program on a grid to suitable for resource definition, that has just commenced and is expected to take only 2-3 weeks to complete.

The previous Air Core reconnaissance drilling *(Refer to ASX announcement 1 August 2023 and photo below)* and this RC drilling demonstrate the presence of an extensive +2,000 ppm TREO core zone up to 30 m thick within the broader +1,000 ppm TREO mineralised clay blanket of currently up to 64 m thickness *(Refer to Tables 1 to 4)*. Diminished clay hosted REE intersections were only experienced where fresh basement rock comes close to surface and clay thickness is minimal in the BRRC003-BRRC004-BRRC005 area. The RC drilling also shows broad zones of REE mineralisation within the fresh basement, such as BRAC024 20 m @ 1,125 ppm TREO from 52 m to end of hole *(Refer Table 4)*, confirming potential for primary REE mineralisation within the 40 km^2 geophysical target that is the Jupiter prospect *(Refer to Figures 1, 3 to 5).*

Brothers is well located in regional Western Australia *(Refer to Figure 2)* away from any significant population centres but close to infrastructure with a nearby bitumen highway and gas pipeline on route to the major port of Geraldton 300 km away. Brothers is also only ~250 km from Iluka's Eneabba Rare Earths Refinery to be in production in 2025 *(Refer to ASX: ILU announcement "Eneabba Rare Earths Refinery – Final Investment Decision" 3 April 2022)* and only ~520 km from Lynas Rare Earths currently operating Mount Weld Concentrator.

As part of Iluka Resources Limited's decision to build the Eneabba Rare Earths Refinery it had reached an agreement of a risk sharing arrangement with the Australian Government, including a non-recourse loan of $1,050 million plus a $200 million cost overrun facility under the Australian Government's $2 billion Critical Minerals Facility, administered by Export Finance Australia. Iluka's close collaboration with the Australian Government reflects the alignment of their commercial objectives for its rare earths business with the Commonwealth's Critical Minerals Strategy.

Lynas is currently commissioning its new Rare Earths Processing Facility in Kalgoorlie, on 22 July 2021, it announced that it was awarded a $14.8 million grant as part of the Australian government's Modern

Manufacturing Initiative's Manufacturing Translation Stream for Resources Technology and Critical Minerals Processing. The grant was given to enable Lynas to commercialise an industry-first Rare Earth carbonate refining process. In addition, Lynas announced on the 3 August 2022 an ~$500m project to expand capacity at the Mount Weld mine and concentration plant to meet accelerating market demand for rare earth materials. The combined project clearly supports the Australian Government's Critical Minerals Strategy and the Western Australian Government's Battery and Critical Minerals Strategy.

The substantial co-investment by two of Australia's major mining companies with the Australian Government into the Rare Earths industry within the same region of Western Australia that Venture's Brothers Project sits put it in an enviable position and provides the Company with significant commercial advantages should the project move towards development.

The next stage of work is to include slimline RC drilling on a grid to suitable for resource definition, mineralogical and metallurgical testwork and exploration of the interpreted large alkaline intrusion beneath the clay hosted REE mineralisation for high grade primary REE mineralisation**.** This work is aimed at delivering a Maiden Clay Hosted REE Resource within the next 2-3 months.

Air Core drilling at the Brothers Project in June 2023.

Figure 2 | Location Map of the Brothers REE Project with the Jupiter Target, in Western Australia

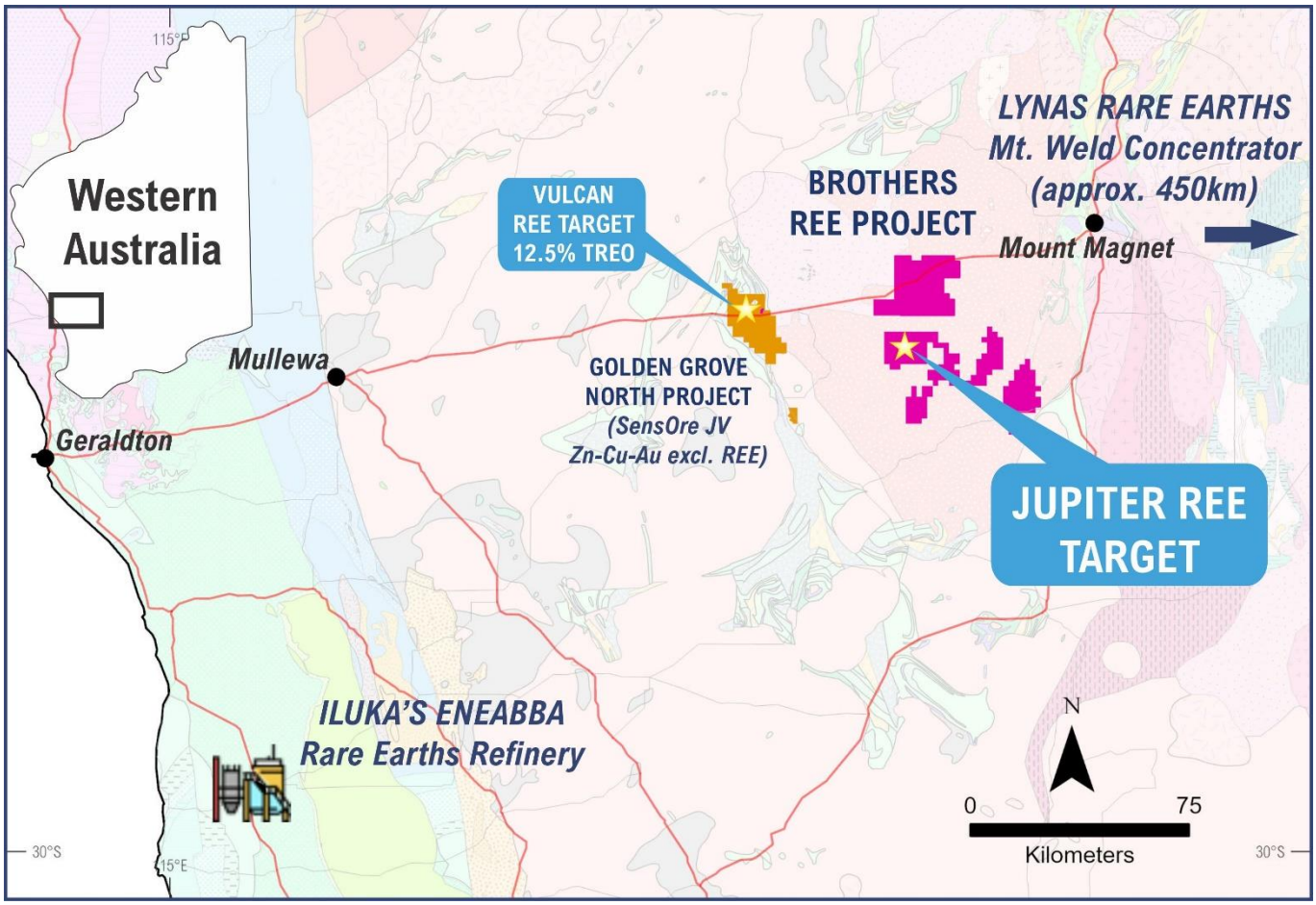


Figure 3 | Venture Mineral's Brothers Project combined tenure (granted) on regional geology with total magnetic intensity image highlighting large interpreted alkaline intrusion and clay hosted REE mineralisation at the Jupiter target.

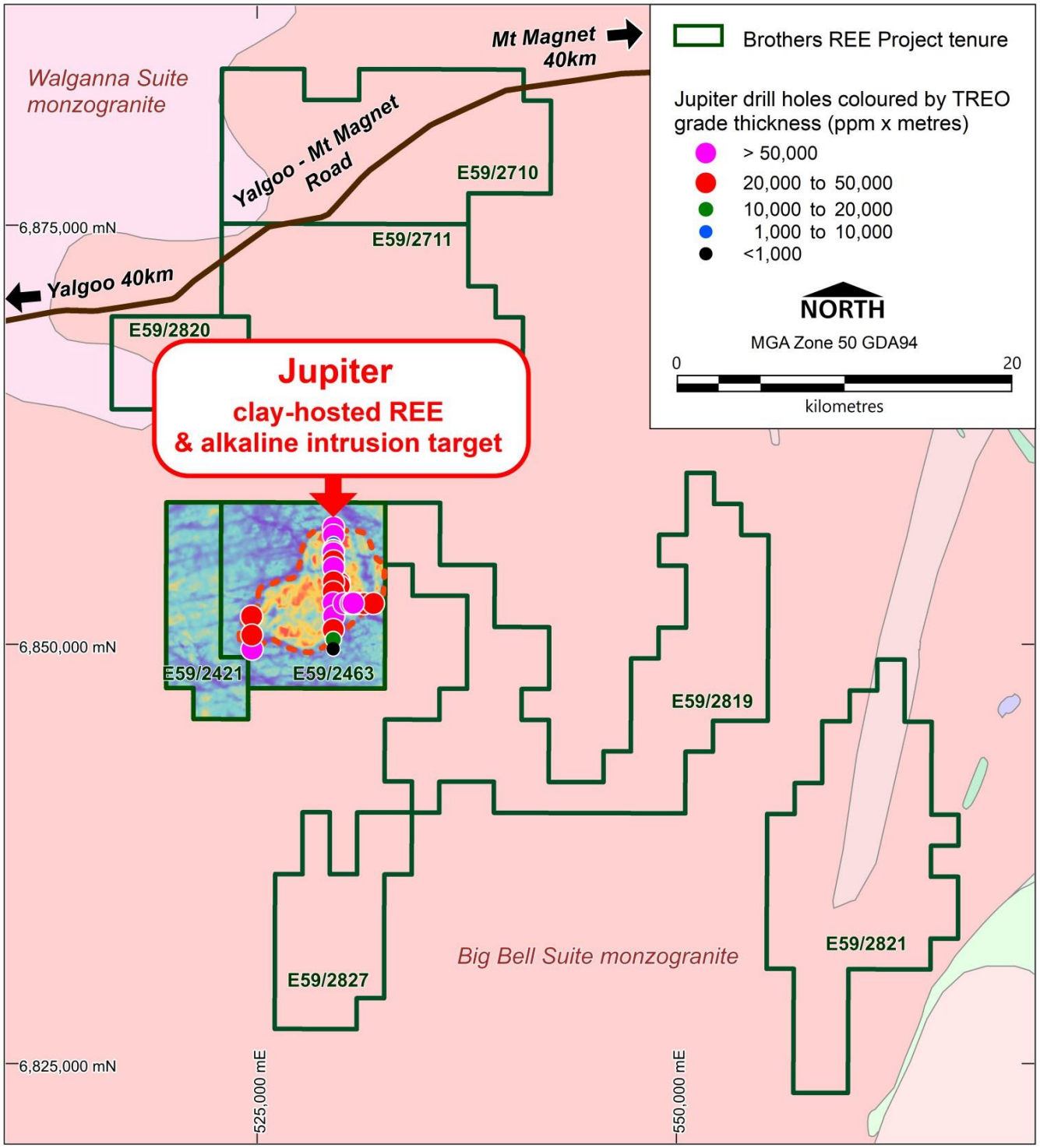


Figure 4 | Jupiter RC Drilling Intersections over 1,000 ppm TREO of clay hosted REE mineralisation on total magnetic intensity (reduced to pole, NE sun) anomaly as defined by recent high resolution drone magnetic surveying.

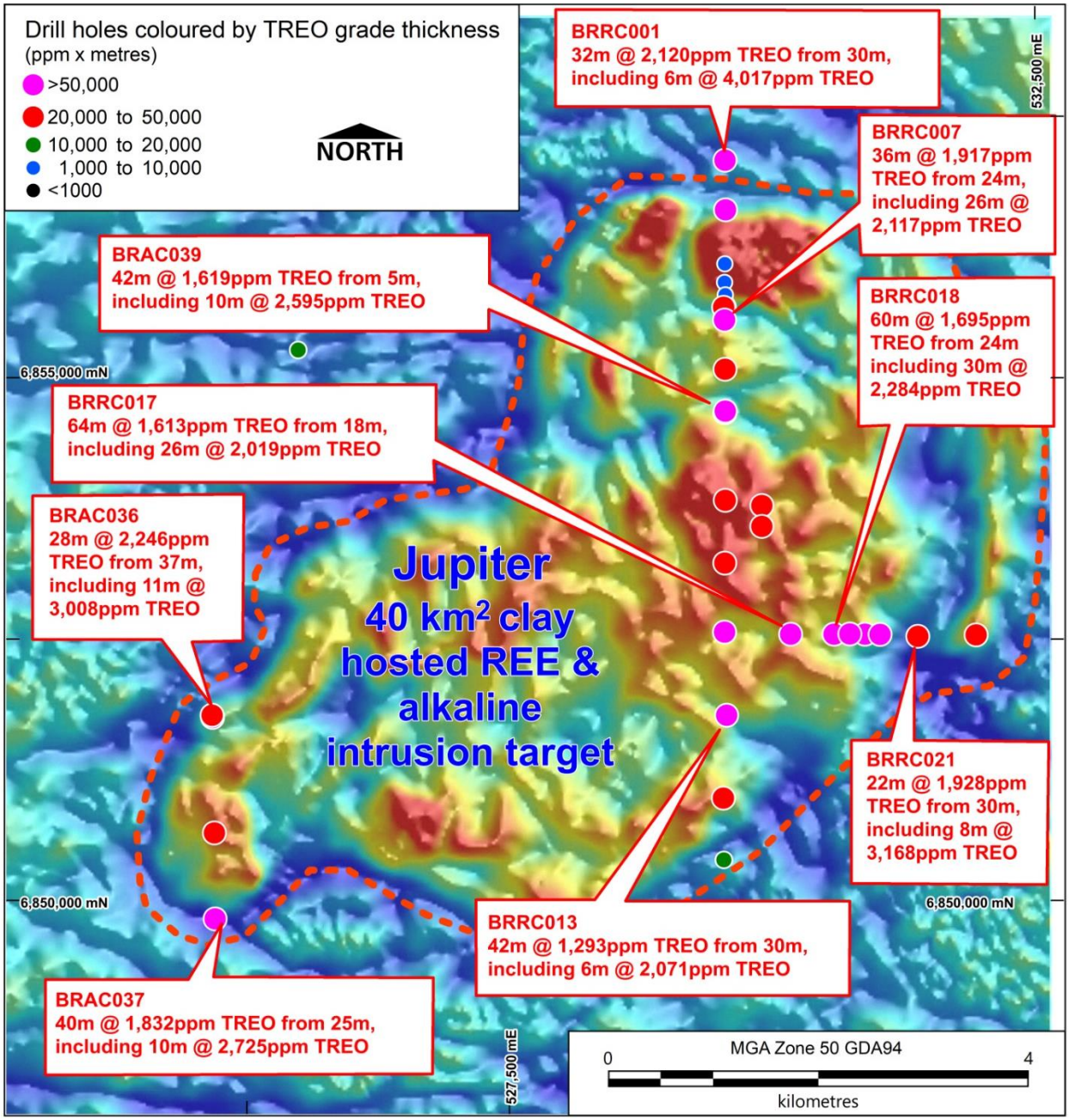
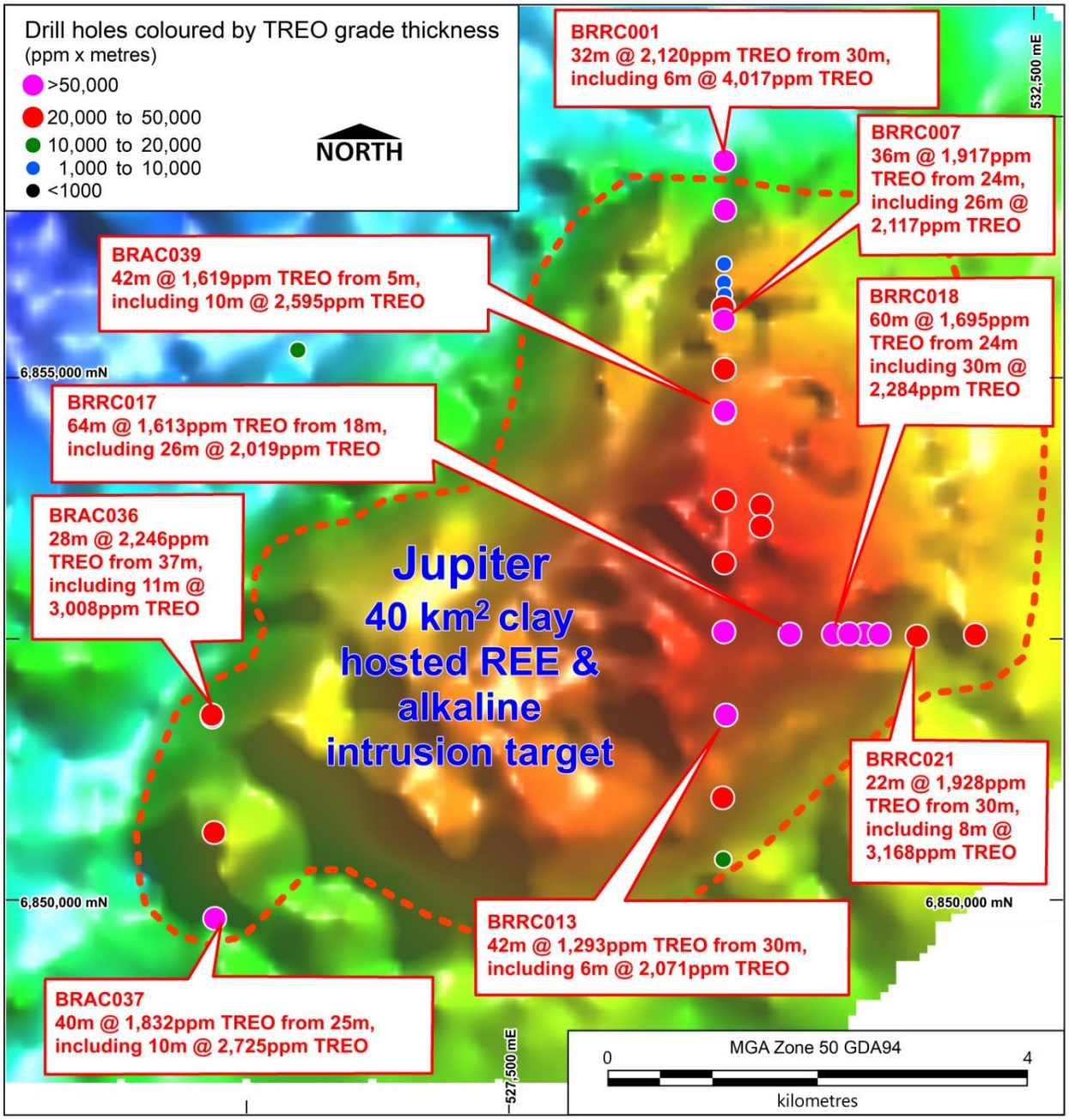


Figure 5 | Jupiter RC Drilling Intersections over 1,000 ppm TREO of clay hosted REE mineralisation on Bouger gravity 2.67 anomaly as defined by recent high resolution ground gravity surveying.



Authorised by the Managing Director on behalf of the Board of Venture Minerals Limited.

Yours sincerely

Andrew Radonjic
Managing Director

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

About Venture Minerals

Venture Minerals Ltd (ASX: VMS) has refocused its approach to developing the Mount Lindsay Tin-Tungsten Project in northwest Tasmania, already one of the world's largest undeveloped Tin-Tungsten deposits. With the recognition of Tin as a fundamental metal to the battery revolution and Tungsten being a critical mineral, Venture has commenced an Underground Feasibility Study on Mount Lindsay that will leverage off the previously completed open-pit feasibility work, and recently included additional, potential large-scale quantities of tin and boron within the current resource base, and extensively throughout the greater Mount Lindsay skarn system. The tin-borates have not previously been assessed in any mining studies. Borate minerals contain a large amount of Boron, a critical mineral in the solar panel industry. At the neighbouring Riley Iron Ore Mine, the mine is prepared for a quick restart should the market conditions become favourable. In Western Australia, Chalice Mining (ASX: CHN) recently committed to the second stage of the JV which requires a further $2.5 million of expenditure over the next two years to earn a further 19% interest (for a total of 70%) in Venture's South West Project. At the Company's Golden Grove North Project, SensOre (ASX: S3N) is farming in whilst Venture retains the REE rights, the earn-in includes drilling of the Vulcan High Grade REE Target. SensOre's proprietary AI technology has already highlighted lithium and copper exploration potential at Golden Grove North. The Company has a significant Nickel-Copper-PGE landholding at Kulin with two highly prospective 20-kilometre long Ni-Cu-PGE targets within the Kulin Project, whilst recent exploration has identified clay hosted REE targets

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Table Three: Jupiter target RC drill hole locations and significant intersections.

Hole	East MGA Zone 50 GDA94	North MGA Zone 50 GDA94	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO	Pr_6O_{11} ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
BRRC001	529550	6857101	66	30	62	32	2120	460	22%	98	344	3	15
including				30	36	6	4017	735	18%	160	550	5	21
BRRC002	529554	6856628	66	24	62	38	1820	395	22%	85	295	3	13
including				38	60	22	2214	498	22%	104	374	3	17
BRRC003	529549	6856109	18	6	12	6	848	217	26%	44	162	2	9
BRRC004	529546	6855931	54	2	6	4	740	180	24%	37	133	2	8
BRRC005	529552	6855812	36	4	8	4	753	188	25%	38	140	2	9
BRRC006	529536	6855696	54	6	30	24	1170	299	26%	59	225	3	13
BRRC007	529546	6855574	78	24	60	36	1917	465	24%	96	348	4	18
including				28	54	26	2117	502	24%	104	376	4	19
BRRC008	529550	6855102	72	36	54	18	2110	503	24%	106	378	3	16
including				36	46	10	2603	628	24%	132	473	4	20
BRRC009	529552	6854703	60	8	44	36	1596	400	25%	83	299	3	15
including				22	42	20	2152	539	25%	111	405	4	20
BRRC010	529552	6853850	102	12	30	18	1220	308	25%	61	229	3	16
BRRC011	529548	6853249	84	14	42	28	1635	415	25%	81	310	4	21
including				18	30	12	2059	518	25%	108	388	4	18
BRRC012	529545	6852590	90	24	66	42	1249	289	23%	61	217	2	10
including				30	40	10	1733	422	24%	88	318	3	14
BRRC013	529565	6851795	84	30	72	42	1293	284	22%	63	210	2	10
including				48	54	6	2071	454	22%	103	337	3	12
BRRC014	529535	6851002	78	30	66	36	1065	232	22%	50	172	2	9
BRRC015	529540	6850408	48	24	36	12	902	219	24%	52	159	1	7
including				28	32	4	1138	273	24%	66	197	2	9
BRRC016	529541	6849784	78			NSI							
BRRC017	530175	6852568	90	18	82	64	1613	360	22%	79	268	2	11
including				30	56	26	2019	454	22%	99	338	3	14
BRRC018	530589	6852570	96	24	84	60	1695	378	22%	87	278	2	12
including				48	78	30	2284	456	20%	103	336	3	14
BRRC019	530881	6852570	66	22	54	32	1629	364	22%	78	272	3	12
including				26	42	16	2394	558	23%	116	419	4	19
BRRC020	531026	6852566	78	24	66	42	1281	268	21%	57	198	2	11
including				38	54	16	2051	386	19%	83	286	3	15
BRRC021	531386	6852548	96	30	52	22	1928	378	20%	84	278	3	14
including				42	50	8	3168	664	21%	143	491	5	26
BRRC022	531941	6852563	54	20	40	20	1005	227	23%	46	170	2	10
including				22	30	8	1278	280	22%	57	210	2	11
BRRC023	530738	6852572	96	38	86	48	1522	298	20%	67	222	2	8
including				42	60	18	2075	386	19%	85	290	2	10
BRRC024	524667	6851794	72	36	54	18	1647	359	22%	83	265	2	10
including				42	48	6	2659	580	22%	134	429	3	14
BRRC025	524689	6850670	78	8	42	34	1132	276	24%	58	205	2	10

Notes: All co-ordinates MGA Zone 50 GDA94, all holes vertical except BRRC002 drilled at -80 dip towards 350 MGA.

TREO represents the sum of 14 Rare Earth Elements excluding Promethium plus Yttrium expressed as oxides. MREO represents the sum of the Neodymium, Praseodymium, Dysprosium and Terbium expressed as oxides See Table Two for complete REE assay listing.

BRRC003, 4 & 5 have only very thinly developed clay zones over fresh alkaline intrusive basement rock

BRRC016 is outside of the alkaline intrusive target as delineated by geophyics

Table Four: Jupiter target RC drilling REE, Th and U assays.

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC001	0	6	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC001	6	12	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC001	12	18	6	na	<12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC001	18	24	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC001	24	26	2	118	13	89	2	5	1	0.2	1	0.2	0.7	0.2	0.6	0.1	0.8	0.2	5	31	1
BRRC001	26	28	2	158	34	97	4	13	2	0.4	1	0.2	1	0.2	0.6	0.1	0.8	0.1	5	20	1
BRRC001	28	30	2	870	206	478	31	101	15	2.7	8	1	4.2	0.8	1.7	0.2	1.3	0.2	20	14	2
BRRC001	30	32	2	4379	676	2812	150	510	69	12.7	35	4.6	18.5	3	6.9	0.8	4.6	0.6	76	23	6
BRRC001	32	34	2	3566	678	1897	161	556	77	14.1	41	5	21.3	3.7	8.5	1.1	6.2	0.7	96	17	8
BRRC001	34	36	2	4105	707	2364	169	585	80	14	41	5.2	21.8	3.7	9	1.1	6.6	0.8	99	13	10
BRRC001	36	38	2	1217	232	650	48	171	25	4.4	16	2	9.1	1.8	4.6	0.6	3.5	0.4	50	27	4
BRRC001	38	40	2	1217	277	553	56	190	29	5	18	2.4	11.7	2.2	5.3	0.7	4.4	0.6	62	28	3
BRRC001	40	42	2	2492	565	1122	130	448	62	11.2	33	3.9	17	3	7	0.9	5.2	0.7	82	15	6
BRRC001	42	44	2	3023	760	1234	158	570	78	15.5	45	5.3	24.8	4.1	9.8	1.2	6.8	0.9	110	21	4
BRRC001	44	46	2	2018	468	860	108	377	52	10	28	3.6	16	2.7	6.5	0.9	5.7	0.8	80	13	2
BRRC001	46	48	2	2350	549	1006	124	427	58	10.9	31	3.7	17.4	3.3	8.1	1.1	6.9	0.9	103	13	2
BRRC001	48	50	2	2352	602	955	115	415	55	11.9	36	4.2	20.3	3.6	9.1	1.1	6.8	1	117	18	1
BRRC001	50	52	2	1724	374	740	78	271	35	7.1	23	2.9	16.1	3.5	10.1	1.3	8.4	1.4	153	20	2
BRRC001	52	54	2	1210	258	546	60	216	29	5.6	16	2	9.3	1.8	4.5	0.6	3.7	0.5	57	14	3
BRRC001	54	56	2	1052	217	462	54	198	29	5.7	16	2	9.5	1.6	3.9	0.5	3.3	0.4	51	9	2
BRRC001	56	58	2	1036	221	457	53	195	27	5.7	16	1.8	8.2	1.5	3.9	0.5	3	0.4	44	8	1
BRRC001	58	60	2	1153	277	529	55	187	25	5	13	1.6	8.1	1.4	3.7	0.5	3.3	0.5	43	20	2
BRRC001	60	62	2	1032	224	463	51	188	25	5	14	1.8	7.8	1.4	3.4	0.5	3	0.4	44	10	1
BRRC001	62	64	2	1282	273	587	64	233	32	5.6	18	2.1	9.9	1.7	4.3	0.6	3.2	0.4	49	9	1
BRRC001	64	66	2	1428	323	666	71	246	32	6.2	18	2	9.2	1.6	4	0.5	3	0.4	47	15	1
BRRC002	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC002	6	12	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC002	12	18	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC002	18	24	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC002	24	26	2	2840	587	1695	108	330	42	7.9	19	2.3	9	1.5	3.1	0.4	2.4	0.3	33	80	4
BRRC002	26	28	2	991	280	406	52	168	23	4.5	13	1.4	6.6	1.1	2.7	0.3	2.1	0.2	29	36	2
BRRC002	28	30	2	790	236	317	40	127	18	3.8	10	1.2	5.5	0.9	2.2	0.2	1.6	0.2	27	23	2
BRRC002	30	32	2	1083	287	501	54	171	21	4.4	11	1.3	5.4	0.9	1.9	0.2	1.4	0.2	23	28	1
BRRC002	32	34	2	931	249	437	45	140	18	4	9	1.1	4.6	0.8	1.9	0.2	1.5	0.2	21	32	2
BRRC002	34	36	2	859	212	421	41	125	17	3.5	8	1	4.7	0.7	1.9	0.2	1.9	0.2	21	36	2
BRRC002	36	38	2	1501	321	752	72	241	33	6.5	17	1.8	8.9	1.4	3.5	0.4	2.6	0.3	39	42	3
BRRC002	38	40	2	2256	438	1259	96	318	44	8.5	21	2.4	10.9	1.7	4.1	0.5	3	0.4	49	46	3
BRRC002	40	42	2	2024	332	1216	77	264	37	7.7	19	2.2	10.4	1.8	4	0.6	3.4	0.5	49	39	3
BRRC002	42	44	2	2012	379	1054	89	322	43	9.1	23	2.7	13.3	2.1	6	0.7	4.9	0.7	63	34	3
BRRC002	44	46	2	2169	465	1061	100	346	46	9.9	26	3.1	14.9	2.6	7.4	0.9	6	0.8	81	40	3

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC002	46	48	2	1796	367	867	83	297	41	8.5	22	2.5	12.5	2.4	6.2	1	6.9	1.1	78	33	2
BRRC002	48	50	2	2510	497	984	137	527	77	17.6	47	5.5	27.9	5	13.9	2	14.1	2.1	153	38	3
BRRC002	50	52	2	2573	515	1032	131	499	76	17.8	49	5.8	30.9	5.5	15.3	2.3	15	2.4	177	36	3
BRRC002	52	54	2	2464	518	1086	120	447	63	13.3	41	4.8	23.3	4.1	10.9	1.5	8.7	1.4	121	34	2
BRRC002	54	56	2	2415	509	1106	110	395	50	10.3	32	3.7	18.7	3.9	11.1	1.6	10	1.7	151	31	2
BRRC002	56	58	2	2168	467	1001	103	366	48	9.7	27	3	14.5	2.7	7.9	1.1	6.4	1.1	111	29	2
BRRC002	58	60	2	1968	440	928	94	330	44	8.6	24	2.5	12	2.2	5.6	0.7	4	0.6	73	33	2
BRRC002	60	62	2	1222	280	585	61	200	25	5.3	13	1.4	7.3	1.2	2.9	0.4	2.5	0.3	37	22	1
BRRC002	62	64	2	1020	227	481	51	172	22	4.9	13	1.4	6.7	1.1	2.7	0.4	2.2	0.4	35	24	2
BRRC002	64	66	2	1023	218	485	52	179	23	5.1	13	1.4	6.7	1.1	2.7	0.4	2.2	0.4	34	24	2
BRRC003	0	6	6	na	106	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC003	6	8	2	740	139	327	38	138	21	4.9	13	1.6	8.2	1.3	3.3	0.4	2.9	0.4	41	17	3
BRRC003	8	10	2	809	159	361	41	146	23	4.8	14	1.8	8.1	1.5	4	0.5	3.1	0.5	43	21	3
BRRC003	10	12	2	994	162	427	54	202	33	6.8	21	2.5	11.7	2	5.4	0.7	4.2	0.6	62	18	3
BRRC003	12	14	2	952	174	425	50	179	27	6.2	17	2	10.2	1.7	4.7	0.6	3.6	0.5	52	18	2
BRRC003	14	16	2	295	54	128	15	55	9	3.3	6	0.7	3.4	0.6	1.8	0.2	1.5	0.3	18	9	2
BRRC003	16	18	2	213	41	92	10	38	6	3.1	4	0.5	2.6	0.4	1.3	0.2	1.1	0.2	14	11	2
BRRC004	0	2	2	286	50	151	10	35	5	1.2	4	0.6	3.5	0.7	1.9	0.3	1.6	0.2	21	17	2
BRRC004	2	4	2	581	108	254	28	103	17	3.8	11	1.4	6.9	1.3	3.1	0.4	2.6	0.4	40	19	3
BRRC004	4	6	2	898	172	398	46	164	27	5.7	16	1.9	9.5	1.6	4.3	0.5	3.5	0.5	48	23	2
BRRC004	6	8	2	964	178	429	50	181	28	5.8	18	2.1	10.7	1.7	4.5	0.6	3.7	0.5	52	24	3
BRRC004	8	10	2	945	167	415	49	180	29	5.9	19	2.3	11.1	1.8	4.8	0.7	3.9	0.5	56	20	3
BRRC004	10	12	2	1097	205	500	57	203	30	6.2	19	2.2	10.6	1.7	4.5	0.6	3.7	0.5	54	32	3
BRRC004	12	14	2	1019	187	459	53	187	29	6.4	19	2.1	11.4	1.8	4.7	0.6	3.7	0.6	56	24	3
BRRC004	14	16	2	917	168	400	47	174	28	5.8	17	2	10.6	1.7	4.5	0.6	3.5	0.5	54	21	3
BRRC004	16	18	2	858	167	381	44	153	24	4.9	15	1.8	9.4	1.6	4.3	0.6	3.4	0.5	48	24	3
BRRC004	18	24	6	719	144	319	37	125	19	4.5	13	1.6	7.3	1.2	3.2	0.4	3	0.3	40	24	4
BRRC004	24	30	6	578	109	249	30	104	17	3.7	11	1.4	7	1.1	3.1	0.5	2.8	0.4	38	20	5
BRRC004	30	36	6	797	143	348	43	150	24	5.2	17	1.9	9	1.5	3.7	0.5	3.3	0.4	48	21	3
BRRC004	36	42	6	778	163	352	40	134	21	4.3	12	1.5	7.2	1.2	3	0.4	2.4	0.3	36	28	4
BRRC004	42	48	6	763	141	335	41	144	23	4.8	15	1.8	8.1	1.3	3.4	0.5	3.1	0.4	43	20	2
BRRC004	48	54	6	312	72	142	16	50	7	2.4	4	0.5	2.5	0.4	1.1	0.1	1.1	0.1	14	14	2
BRRC005	0	2	2	228	50	95	10	34	5	1	4	0.6	3.2	0.7	1.9	0.3	1.7	0.2	22	17	2
BRRC005	2	4	2	388	73	165	18	64	10	1.9	7	0.9	6	1.2	3.1	0.4	2.6	0.4	36	17	2
BRRC005	4	6	2	612	106	255	31	116	20	4.1	13	1.6	8.1	1.5	4.2	0.6	3.3	0.5	47	19	3
BRRC005	6	8	2	894	172	384	45	163	26	5.9	18	2.1	10	1.8	4.8	0.6	4	0.6	56	18	4
BRRC005	8	10	2	964	185	419	48	180	27	6.3	19	2.1	11	2	5	0.6	3.7	0.6	56	15	4
BRRC005	10	12	2	995	179	422	50	198	31	6.4	20	2.4	12.5	2.2	5.7	0.7	4	0.5	61	18	3
BRRC005	12	14	2	985	175	427	50	194	29	6	19	2.2	11.7	2	5.5	0.7	3.8	0.5	58	15	2
BRRC005	14	16	2	925	172	404	47	179	27	5.4	17	2	10.3	1.8	4.6	0.6	3.5	0.5	52	18	3
BRRC005	16	18	2	903	171	399	47	165	26	5.8	16	1.8	9.7	1.7	4	0.5	3.5	0.5	53	18	3
BRRC005	18	24	6	808	143	354	43	152	25	5.8	16	1.9	9.8	1.6	4.2	0.5	3.5	0.5	49	14	2

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC005	24	30	6	473	85	202	25	87	15	3.1	10	1.2	5.9	1	2.8	0.3	2.3	0.4	33	17	2
BRRC005	30	36	6	821	148	352	44	158	26	5.6	17	2	9.9	1.6	4.3	0.5	3.5	0.5	50	17	4
BRRC006	0	6	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC006	6	8	2	1344	245	616	73	268	43	9.1	23	2.4	11.8	1.7	3.7	0.5	2.9	0.4	44	23	3
BRRC006	8	10	2	1189	220	548	64	241	35	7.3	19	2.1	10.8	1.6	3.6	0.4	2.4	0.4	34	16	2
BRRC006	10	12	2	1195	219	553	59	233	36	7.6	22	2.4	11.7	1.7	4.3	0.5	2.9	0.4	42	25	3
BRRC006	12	14	2	1506	276	679	77	300	46	9.4	27	2.9	13.9	2.1	5.5	0.7	4.1	0.6	63	24	5
BRRC006	14	16	2	1130	225	518	57	215	31	6.7	19	2	9.4	1.5	3.4	0.4	2.7	0.4	40	28	4
BRRC006	16	18	2	992	179	465	50	189	29	5.7	17	2	9.5	1.5	3.6	0.5	2.7	0.4	38	23	6
BRRC006	18	20	2	946	168	416	45	180	30	6.3	22	2.4	13.1	2.2	5.3	0.7	3.7	0.5	52	25	7
BRRC006	20	22	2	1104	198	485	54	211	35	7.3	24	2.8	13.8	2.4	5.8	0.8	4.7	0.6	60	20	8
BRRC006	22	24	2	1148	216	489	54	210	32	7.5	25	3	16.8	2.8	7	1	6	0.8	77	31	9
BRRC006	24	26	2	1181	198	475	56	218	35	7.7	27	3.3	18.6	3.5	9.7	1.3	7.4	1.2	119	19	4
BRRC006	26	28	2	1164	189	476	58	220	36	8	24	3.2	15	2.9	8	1.1	6.9	1	115	17	4
BRRC006	28	30	2	1135	198	469	56	220	33	7.3	23	2.8	14.8	2.7	7.4	0.9	5.9	0.8	94	17	4
BRRC006	30	36	6	755	127	311	37	134	24	5.1	18	2.3	12.2	2.2	5.9	0.7	5.3	0.8	72	21	5
BRRC006	36	42	6	863	160	355	46	156	25	5.5	18	2.4	11.4	2.2	5.8	0.7	5.3	0.7	70	20	8
BRRC006	42	48	6	873	168	383	46	161	25	4.9	16	1.9	9	1.6	4.1	0.5	3.5	0.5	49	19	5
BRRC006	48	54	6	593	107	255	31	110	19	3.7	13	1.6	7.3	1.2	3.3	0.4	2.9	0.4	38	17	4
BRRC007	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC007	6	12	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC007	12	18	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC007	18	24	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC007	24	26	2	1475	659	247	101	324	41	12.7	24	2.6	12.3	1.7	3.8	0.4	2.4	0.3	43	31	4
BRRC007	26	28	2	1323	359	431	78	282	41	9.3	25	2.8	14.4	2.3	5.8	0.6	3.3	0.5	69	25	4
BRRC007	28	30	2	2385	725	670	150	517	76	18.8	49	5.3	25.8	4.3	9.2	1.2	6.2	0.8	128	30	5
BRRC007	30	32	2	3352	996	1075	205	704	91	22.2	57	6.4	32.4	5.1	12.6	1.5	8.6	1.2	135	29	7
BRRC007	32	34	2	1861	381	984	88	273	33	7.1	19	2.3	10.7	1.9	4.4	0.5	3.3	0.5	54	28	7
BRRC007	34	36	2	2666	534	1168	143	522	77	15.1	47	5.1	24.9	4	9.2	1	4.9	0.7	111	28	6
BRRC007	36	38	2	1912	332	982	88	305	44	8.9	28	3.1	17	2.9	7	0.8	4.4	0.6	89	31	7
BRRC007	38	40	2	868	161	431	42	143	19	3.9	12	1.5	7.6	1.3	3.5	0.5	3	0.5	39	29	7
BRRC007	40	42	2	297	48	155	11	41	7	1.4	5	0.6	4	0.7	1.8	0.2	1.5	0.2	20	42	3
BRRC007	42	44	2	1867	290	914	89	349	52	11.8	34	3.8	19.9	3.2	7.8	0.9	5.3	0.7	88	24	9
BRRC007	44	46	2	1851	304	948	84	312	46	10.5	28	3.4	16.7	2.7	6.5	0.8	4	0.6	84	31	9
BRRC007	46	48	2	2349	382	1271	107	386	55	11.7	31	3.5	16.5	2.7	6.3	0.7	4	0.5	73	26	9
BRRC007	48	50	2	1426	202	731	58	223	34	7.1	22	2.7	14.8	2.9	8.1	1	5.2	0.7	115	30	6
BRRC007	50	52	2	2478	327	1296	105	420	68	14.2	40	4.9	25.7	4.6	12.1	1.5	8.8	1.2	150	29	5
BRRC007	52	54	2	4212	522	2345	179	693	111	22.6	55	6.7	35.4	6.2	16.7	2.5	15.5	2.1	200	23	4
BRRC007	54	56	2	1188	182	573	52	202	31	6.3	18	2.3	13.1	2.4	7.1	0.9	5.7	0.9	92	24	5
BRRC007	56	58	2	1725	279	759	86	344	55	10.9	32	3.6	19.9	3.4	9.1	1.2	7.2	0.9	114	26	4
BRRC007	58	60	2	1264	206	571	59	227	35	7.2	22	2.8	14.8	2.7	8	1.1	6.6	1	100	25	5
BRRC007	60	62	2	699	118	257	36	144	23	6	14	1.8	9.7	1.9	5.7	0.8	5.1	0.8	75	12	3

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC007	62	64	2	222	46	86	11	41	6	3.4	4	0.4	2.6	0.5	1.5	0.2	1.7	0.3	19	8	2
BRRC007	64	66	2	167	36	64	8	31	5	3.5	3	0.4	1.9	0.4	1	0.2	1	0.2	13	7	1
BRRC007	66	72	6	532	104	233	28	96	15	4.3	9	1.1	5.3	0.9	2.5	0.3	2	0.3	31	20	2
BRRC007	72	78	6	771	140	336	41	146	24	5.1	16	1.8	8.5	1.5	3.7	0.4	3.2	0.4	45	17	2
BRRC008	0	6	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC008	6	12	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC008	12	18	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC008	18	24	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC008	24	30	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	10
BRRC008	30	32	2	96	19	38	4	15	4	0.7	2	0.3	2.1	0.4	1.1	0.2	1.4	0.2	9	48	4
BRRC008	32	34	2	228	65	91	10	34	6	1	3	0.4	2.5	0.4	1.4	0.2	1.3	0.2	12	37	4
BRRC008	34	36	2	484	129	211	22	74	12	2.4	7	0.8	4.2	0.7	2.1	0.3	1.6	0.2	20	31	2
BRRC008	36	38	2	3453	730	1560	174	616	90	17.7	49	5.8	29.3	4.9	12.6	1.6	8.4	1.2	154	54	3
BRRC008	38	40	2	3477	728	1523	186	688	103	19.7	52	5.8	28.1	4.2	8.9	1	4.8	0.7	124	57	4
BRRC008	40	42	2	1930	414	893	98	353	52	9.6	27	3	14.2	2.2	4.5	0.5	2.4	0.3	57	46	3
BRRC008	42	44	2	2017	483	927	102	349	44	9	23	2.5	12.6	2	4.5	0.5	2.7	0.3	56	49	4
BRRC008	44	46	2	2140	466	1023	101	358	47	9.9	27	3	15	2.6	6.6	0.8	4.4	0.6	76	40	4
BRRC008	46	48	2	1839	320	919	86	310	46	9.3	26	3.1	15.6	2.7	7.2	1	5.7	0.8	87	21	5
BRRC008	48	50	2	1592	328	779	75	264	37	7.7	20	2.4	12.2	1.9	4.8	0.6	3.5	0.5	57	19	4
BRRC008	50	52	2	1450	271	709	70	255	38	8.8	20	2.4	10.9	1.9	4.8	0.7	3.4	0.5	55	12	3
BRRC008	52	54	2	1093	181	521	57	213	31	7.3	16	1.9	9.3	1.5	3.9	0.6	3.3	0.6	46	12	4
BRRC008	54	60	6	164	37	72	7	25	4	2.5	2	0.3	1.6	0.3	0.9	0.1	0.8	0.1	10	5	1
BRRC008	60	66	6	830	141	354	45	161	26	6.1	17	2	10.6	1.7	4.8	0.5	3.9	0.5	56	13	3
BRRC008	66	72	6	915	148	386	50	187	31	7.2	21	2.4	12.1	2	4.9	0.6	3.9	0.5	59	14	3
BRRC009	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC009	6	8	2	442	103	194	20	69	11	1.9	6	0.8	4.8	0.9	2.5	0.3	2	0.3	26	31	2
BRRC009	8	10	2	654	120	318	29	100	16	3.3	10	1.3	7.5	1.4	3.8	0.5	3	0.4	40	25	2
BRRC009	10	12	2	545	140	203	29	100	14	2.6	9	1.2	5.7	1.1	3.2	0.4	2.4	0.4	34	26	2
BRRC009	12	14	2	445	129	169	23	75	10	2.2	6	0.7	4.1	0.7	1.7	0.3	1.6	0.2	23	26	4
BRRC009	14	16	2	992	286	388	54	169	24	4.7	13	1.5	7.6	1.2	3	0.4	2.2	0.3	38	31	4
BRRC009	16	18	2	1146	314	456	62	202	27	5.7	16	1.8	9.1	1.5	3.7	0.4	2.5	0.3	44	33	3
BRRC009	18	20	2	1238	345	406	76	268	37	8.4	20	2.3	11.9	1.9	4.1	0.5	2.6	0.4	54	31	2
BRRC009	20	22	2	1066	326	327	66	229	32	7.2	17	1.8	9.3	1.5	3.4	0.4	2.1	0.3	45	29	2
BRRC009	22	24	2	1999	483	815	109	377	49	11.2	30	3.4	17.1	2.8	6.6	0.8	4.9	0.6	89	33	2
BRRC009	24	26	2	1620	408	677	85	285	37	9	23	2.6	13.4	2.2	5.4	0.7	3.7	0.5	69	38	3
BRRC009	26	28	2	1905	438	771	99	354	49	10.6	33	3.7	19.4	3.2	8.2	1.1	6.4	1	108	46	3
BRRC009	28	30	2	2710	609	1122	141	510	72	15.8	48	5.2	27.3	4.1	10.1	1.2	6.8	0.9	137	51	5
BRRC009	30	32	2	1595	348	711	82	294	40	8.4	23	2.6	13	2.1	5.7	0.7	4.4	0.6	60	27	5
BRRC009	32	34	2	1900	362	984	90	310	41	8.8	23	2.5	12.6	1.9	4.4	0.7	4.3	0.6	55	32	6
BRRC009	34	36	2	2769	457	1492	125	463	64	13.8	37	4.2	20.3	2.9	7.3	1	5.7	0.9	75	31	6
BRRC009	36	38	2	2737	463	1314	147	525	71	15.8	45	4.9	24.9	3.7	8.9	1.2	7.3	1	105	16	6
BRRC009	38	40	2	2469	351	1106	144	577	73	15.6	41	4.2	20.6	3.3	9.1	1.3	9.1	1.4	112	14	6

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC009	40	42	2	1819	251	698	82	356	62	15.1	49	5.4	31.2	5.7	16.1	2.4	14.9	2.4	229	15	5
BRRC009	42	44	2	1123	207	508	56	198	27	6.2	18	1.9	10.4	1.9	4.6	0.7	4.4	0.8	78	13	4
BRRC009	44	46	2	786	158	354	40	141	20	4.2	12	1.3	6.8	1.2	3.2	0.5	2.9	0.4	42	10	4
BRRC009	46	48	2	450	78	198	23	82	12	2.5	8	0.9	5.3	0.9	2.4	0.3	2.1	0.3	34	10	3
BRRC009	48	54	6	1040	170	459	58	207	34	6.6	19	2.3	11.1	1.9	5	0.6	4.6	0.5	61	19	4
BRRC009	54	60	6	917	155	402	51	182	29	6.4	18	2.1	9.5	1.6	4.3	0.6	4	0.5	52	19	2
BRRC010	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC010	6	12	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC010	12	14	2	1462	274	645	76	290	44	10	28	2.9	15.5	2.2	5.6	0.8	4.4	0.7	63	32	3
BRRC010	14	16	2	1669	314	772	84	321	48	10.2	29	3.1	15.2	2.2	5.3	0.7	4.4	0.8	59	28	3
BRRC010	16	18	2	885	185	421	42	146	20	4.9	13	1.6	7.5	1.2	3.1	0.5	3.2	0.5	35	26	3
BRRC010	18	20	2	365	68	144	18	62	9	1.7	6	0.8	5	1	3.2	0.5	4.1	0.7	41	29	4
BRRC010	20	22	2	1297	220	421	57	198	28	6.8	24	3.3	23.9	5.6	19	3	18.7	3	267	24	11
BRRC010	22	24	2	1230	217	486	65	243	36	7.7	23	2.6	15.1	2.8	8.4	1.2	8.3	1.3	113	22	9
BRRC010	24	26	2	1108	194	475	60	229	38	8.8	22	2.3	11.3	1.8	4.7	0.7	4.4	0.7	57	27	11
BRRC010	26	28	2	1567	263	662	82	316	50	11.5	31	3.4	18.1	3.1	8.5	1.3	8	1.3	108	26	10
BRRC010	28	30	2	1394	191	503	64	258	45	11.8	38	4.8	30.3	5.6	16	2.3	13.6	2.2	210	21	6
BRRC010	30	36	6	887	149	363	46	166	28	6.2	20	2.6	13.1	2.3	6.3	0.8	5	0.8	79	19	3
BRRC010	36	42	6	744	135	307	38	138	24	5.7	18	2.1	10	1.7	4.3	0.6	3.8	0.5	57	23	3
BRRC010	42	48	6	923	166	392	49	175	29	7.1	20	2.2	10.9	1.8	4.8	0.6	3.8	0.5	60	20	3
BRRC010	48	54	6	1053	187	442	55	198	35	8.1	24	2.9	14.1	2.3	5.9	0.7	4.7	0.6	74	18	2
BRRC010	54	60	6	1043	176	432	55	202	36	8.5	26	3	15	2.4	6.2	0.8	4.9	0.6	74	20	3
BRRC010	60	66	6	943	162	392	50	184	33	7.5	23	2.7	12.5	2.2	5.2	0.7	3.9	0.6	65	15	2
BRRC010	66	72	6	867	147	359	46	172	29	6.7	22	2.5	12	2	4.9	0.6	3.8	0.5	60	18	3
BRRC010	72	78	6	992	179	411	52	190	32	7.9	24	2.8	13.4	2.2	5.3	0.7	4.4	0.6	66	18	3
BRRC010	78	84	6	874	155	365	45	171	30	6.9	21	2.4	11.2	1.9	5.2	0.6	3.8	0.5	57	16	3
BRRC010	84	90	6	927	167	386	48	178	31	7.2	22	2.6	12.2	2	4.9	0.7	4.3	0.5	62	17	3
BRRC010	90	96	6	904	164	378	47	171	31	7.3	21	2.5	11.7	1.9	4.9	0.7	4	0.5	60	17	3
BRRC010	96	102	6	1025	165	425	55	208	35	8.5	25	3.1	14.3	2.4	6.1	0.8	5	0.6	72	18	3
BRRC011	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC011	6	12	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC011	12	14	2	674	150	298	33	120	17	3.7	11	1.2	6.5	1.1	2.4	0.3	1.8	0.3	28	30	2
BRRC011	14	16	2	1008	206	452	51	188	29	6.4	18	2	9.2	1.5	3.3	0.4	2.1	0.3	40	31	2
BRRC011	16	18	2	1253	252	587	61	219	33	7.1	21	2.4	11.5	1.7	3.9	0.5	2.6	0.4	51	32	2
BRRC011	18	20	2	1729	351	830	85	300	45	10.3	27	2.9	14.2	2	4.4	0.5	2.8	0.3	55	29	2
BRRC011	20	22	2	1646	355	760	86	294	41	9.6	26	2.8	13.4	1.9	4.5	0.5	2.6	0.4	48	33	2
BRRC011	22	24	2	1821	400	865	91	308	43	9.5	26	3	14.4	2	4.7	0.5	2.9	0.4	52	28	3
BRRC011	24	26	2	2953	551	1326	160	603	81	18.1	53	5.6	27.9	4.1	9.4	1.1	6.7	0.9	106	28	4
BRRC011	26	28	2	1675	301	736	86	321	44	10	31	3.3	18.2	2.9	7.7	1	5.4	0.7	108	28	4
BRRC011	28	30	2	2529	476	1152	140	506	73	16.7	44	4.7	22.6	3.2	7.3	0.9	5.6	0.7	77	35	4
BRRC011	30	32	2	1296	233	580	61	241	41	8.9	27	3.2	15.5	2.7	6.4	0.8	4.9	0.7	70	28	5
BRRC011	32	34	2	1185	212	480	59	247	47	9.7	28	3.2	15.2	2.5	6	0.8	4.9	0.7	69	26	6

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC011	34	36	2	1824	225	631	79	354	74	17.6	58	7.6	45.1	8.5	23.1	3.6	22	3.5	272	20	6
BRRC011	36	38	2	1491	214	530	66	293	59	13.6	45	5.7	31.9	5.8	15.9	2.3	13.8	2.1	193	20	6
BRRC011	38	40	2	1269	184	451	57	245	49	10.9	38	4.7	25.8	4.9	13.6	1.9	11.6	1.7	171	18	5
BRRC011	40	42	2	1207	174	413	51	222	45	10.9	39	4.7	26.7	5.2	15	2	12.9	1.9	185	18	5
BRRC011	42	48	6	741	134	293	35	127	22	5.8	18	2.3	11.5	2.1	5.7	0.8	5.4	0.8	78	19	4
BRRC011	48	54	6	835	158	356	42	158	26	5.8	16	2	9.7	1.6	3.9	0.5	2.8	0.4	52	18	4
BRRC011	54	60	6	618	124	264	31	113	19	4.8	12	1.4	6.7	1.2	3	0.4	2.3	0.3	37	17	3
BRRC011	60	66	6	676	126	287	35	128	22	5.1	14	1.7	7.7	1.4	3.4	0.5	2.7	0.4	42	16	3
BRRC011	66	72	6	1270	209	533	66	253	44	9.5	28	3.7	16.4	2.9	7.3	1	5.6	0.8	91	22	3
BRRC011	72	78	6	1157	193	476	60	231	41	8.7	26	3.4	16.2	2.7	6.7	0.9	5.1	0.8	85	25	4
BRRC011	78	84	6	1226	201	502	63	248	44	9.3	28	3.5	17.2	2.9	7.2	0.9	6.1	0.8	92	22	3
BRRC012	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC012	6	12	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC012	12	18	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC012	18	24	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC012	24	26	2	658	168	265	34	123	18	3.6	10	1.1	5.9	0.9	2.2	0.3	1.7	0.3	24	54	3
BRRC012	26	28	2	989	253	372	55	199	32	6.1	16	1.9	9.2	1.5	3.1	0.4	1.8	0.3	37	54	3
BRRC012	28	30	2	1158	297	415	68	244	40	7.8	22	2.4	11.7	1.8	4	0.4	2.1	0.3	44	42	3
BRRC012	30	32	2	1368	362	500	76	269	45	9.2	26	2.9	13.9	2.1	4.2	0.5	2.9	0.3	54	47	5
BRRC012	32	34	2	1803	470	686	104	361	60	11.1	31	3.5	15.6	2.1	4.4	0.5	2.6	0.4	50	47	5
BRRC012	34	36	2	2421	548	980	135	504	79	15.4	43	4.8	22	3.1	6.4	0.6	3.2	0.4	77	45	6
BRRC012	36	38	2	1568	239	906	60	228	31	8.1	17	2	9.2	1.7	4.1	0.6	3.1	0.5	58	34	7
BRRC012	38	40	2	1503	340	769	64	226	29	6.9	15	1.7	8	1.3	3.2	0.4	2.1	0.3	37	52	5
BRRC012	40	42	2	1112	292	517	52	175	22	5.5	11	1.2	5.8	1	2.1	0.3	1.8	0.3	26	56	4
BRRC012	42	44	2	1039	296	499	46	140	17	4.2	8	0.9	4.6	0.8	2	0.2	1.4	0.2	21	70	3
BRRC012	44	46	2	840	230	399	37	120	14	4	7	0.8	4	0.7	1.8	0.2	1.7	0.2	20	59	3
BRRC012	46	48	2	1215	314	614	52	168	19	5	9	1	5	0.8	2.2	0.3	1.8	0.3	24	75	3
BRRC012	48	50	2	760	188	375	33	110	15	3.9	8	0.9	4.3	0.8	2	0.3	1.5	0.2	19	44	2
BRRC012	50	52	2	478	99	217	23	83	12	3.8	7	0.8	4.4	0.8	2.1	0.3	2.1	0.3	23	29	2
BRRC012	52	54	2	719	182	327	31	105	14	3.7	8	1	5.5	1	2.8	0.5	3.2	0.5	35	44	3
BRRC012	54	56	2	1293	307	609	58	199	28	6	16	1.9	9.9	1.6	4.5	0.5	4.1	0.6	47	51	4
BRRC012	56	58	2	1327	301	620	59	209	28	6.5	18	2.1	10.7	1.9	5.1	0.7	4.5	0.8	60	40	4
BRRC012	58	60	2	1939	404	896	90	329	49	10.8	29	3.4	16.9	3.1	7.4	1	6.4	0.9	94	50	7
BRRC012	60	62	2	1419	264	632	68	268	45	9.8	27	3.2	15.1	2.5	5.9	0.7	4.2	0.5	73	20	4
BRRC012	62	64	2	1356	248	596	66	260	45	9.6	28	3.3	15.4	2.5	6.3	0.8	4.3	0.6	72	30	4
BRRC012	64	66	2	1259	234	554	61	238	41	8.9	25	2.9	14.5	2.3	5.6	0.7	3.9	0.6	67	21	3
BRRC012	66	72	6	681	150	305	34	118	18	3.7	10	1.3	5.7	1	2.4	0.3	1.9	0.3	30	30	2
BRRC012	72	78	6	434	103	200	22	71	10	2.7	5	0.7	2.8	0.5	1.3	0.2	1	0.2	16	24	2
BRRC012	78	84	6	493	123	231	24	77	10	2.8	5	0.6	2.8	0.4	1.2	0.2	1.2	0.2	14	27	3
BRRC012	84	90	6	867	171	379	45	162	26	5.3	16	1.9	8.8	1.5	3.4	0.5	2.7	0.4	45	26	3
BRRC013	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC013	6	12	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC013	12	18	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC013	18	24	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC013	24	30	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC013	30	32	2	1208	307	516	61	203	29	6.2	17	2.1	11.1	1.9	4.4	0.5	2.9	0.4	46	26	3
BRRC013	32	34	2	1209	325	472	66	226	31	6.8	18	1.9	10.9	1.7	4.2	0.5	2.8	0.4	43	31	4
BRRC013	34	36	2	1303	343	523	71	244	33	6.3	18	2.1	11.1	1.8	4.3	0.5	2.8	0.4	43	30	4
BRRC013	36	38	2	1297	294	608	63	219	31	6.3	17	2	9.7	1.5	4.1	0.5	2.7	0.4	38	32	4
BRRC013	38	40	2	976	237	422	50	170	26	5.1	15	1.8	8.9	1.3	2.7	0.4	2.5	0.3	34	33	4
BRRC013	40	42	2	670	178	305	29	94	14	2.6	8	1	4.8	0.9	2.2	0.3	1.7	0.3	30	17	2
BRRC013	42	44	2	973	256	467	39	120	16	3.4	10	1.3	5.9	1.1	3	0.3	1.9	0.3	48	26	2
BRRC013	44	46	2	1464	364	720	67	215	29	5.8	15	1.7	7.7	1.2	2.9	0.3	2	0.2	34	46	4
BRRC013	46	48	2	1696	386	860	82	261	35	6.8	15	1.9	7.7	1.1	3	0.4	2.2	0.3	34	63	4
BRRC013	48	50	2	1985	468	993	97	307	38	8.4	18	2.1	8.7	1.3	3	0.4	2.5	0.4	37	58	5
BRRC013	50	52	2	2308	567	1133	109	347	46	9.8	22	2.6	12.2	1.8	4	0.6	3.3	0.4	49	52	4
BRRC013	52	54	2	1921	443	845	101	358	52	11.5	28	3.2	15.2	2.1	5.2	0.7	3.6	0.5	52	38	5
BRRC013	54	56	2	1642	341	748	86	309	45	9.7	25	2.8	13.4	2	4.4	0.6	3.4	0.4	51	33	5
BRRC013	56	58	2	1522	340	711	75	260	37	8.4	21	2.4	11.5	1.7	3.8	0.5	3.3	0.4	47	40	4
BRRC013	58	60	2	1178	284	535	57	196	28	6.1	16	1.9	9	1.3	3.4	0.4	2.8	0.4	37	35	3
BRRC013	60	62	2	1102	250	512	51	172	24	5.5	16	2	9.5	1.7	4.5	0.6	3.7	0.5	51	38	4
BRRC013	62	64	2	1266	289	604	57	193	25	5.7	17	1.9	9.8	1.6	4.6	0.6	3.8	0.6	54	41	5
BRRC013	64	66	2	858	204	399	38	127	17	3.5	11	1.5	7	1.3	3.5	0.5	3.5	0.5	41	33	4
BRRC013	66	68	2	918	222	427	41	134	18	4	12	1.5	7.6	1.4	3.6	0.6	3.4	0.5	42	36	5
BRRC013	68	70	2	848	199	388	39	129	18	3.9	11	1.4	7.3	1.4	3.4	0.5	3.4	0.4	44	35	4
BRRC013	70	72	2	798	165	340	35	128	20	4.7	15	2	11.3	2.2	5.4	0.8	4.9	0.7	63	21	3
BRRC013	72	78	6	487	89	181	21	78	15	3.5	12	1.9	10.6	2.1	5.4	0.8	4.5	0.7	62	13	2
BRRC013	78	84	6	772	187	348	36	117	16	3.6	10	1.4	6.9	1.3	3	0.5	2.7	0.4	39	29	3
BRRC014	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC014	6	12	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC014	12	18	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC014	18	24	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC014	24	30	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC014	30	32	2	1645	481	865	58	166	19	3.9	12	1.5	7	1.1	2.4	0.3	1.6	0.2	28	5	3
BRRC014	32	34	2	1219	321	650	45	134	18	3.6	10	1.4	6.4	1	2.1	0.3	1.6	0.2	25	7	3
BRRC014	34	36	2	461	117	223	19	61	8	1.8	5	0.7	3.8	0.6	1.5	0.2	1.4	0.2	17	14	3
BRRC014	36	38	2	1838	392	889	86	294	39	9.1	26	3.3	16	2.7	6.6	0.8	4.8	0.6	69	9	3
BRRC014	38	40	2	1224	263	542	58	204	29	6.3	18	2.4	12.5	2.2	5.5	0.8	4.7	0.7	76	12	2
BRRC014	40	42	2	1140	256	519	54	190	26	6	15	1.9	9.6	1.7	4.2	0.6	3.3	0.4	51	14	2
BRRC014	42	44	2	860	185	383	42	150	21	4.7	14	1.6	7.8	1.4	3.5	0.5	2.9	0.4	43	12	2
BRRC014	44	46	2	1076	236	492	52	181	26	5.9	16	1.9	9	1.5	3.9	0.5	3.2	0.5	47	12	2
BRRC014	46	48	2	985	204	445	49	175	25	5.1	15	1.9	9.8	1.6	3.9	0.6	3.2	0.5	46	12	2
BRRC014	48	50	2	964	203	435	47	167	25	5.3	16	1.9	9.4	1.5	3.9	0.5	3.2	0.5	46	13	3
BRRC014	50	52	2	1063	222	480	53	187	28	5.7	17	1.9	9.7	1.7	4.1	0.6	3.1	0.5	50	16	2

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC014	52	54	2	960	223	445	45	154	21	5.1	13	1.6	7.6	1.2	3.2	0.4	2.6	0.4	39	20	3
BRRC014	54	56	2	786	203	372	36	115	13	3.9	8	1	5	0.8	2	0.3	1.8	0.3	25	18	3
BRRC014	56	58	2	958	205	432	47	170	24	5.3	15	1.8	8.2	1.5	3.7	0.5	2.9	0.4	42	17	3
BRRC014	58	60	2	983	196	438	50	184	26	5.7	16	2.1	9.3	1.7	3.9	0.5	3.6	0.4	46	14	3
BRRC014	60	62	2	948	191	426	48	174	25	5.2	15	1.9	9.4	1.5	3.9	0.5	3	0.5	45	13	3
BRRC014	62	64	2	1053	205	465	55	200	29	5.9	19	2	10	1.8	4.6	0.6	3.4	0.5	52	10	2
BRRC014	64	66	2	1007	199	447	53	189	26	5.5	17	1.9	9.2	1.7	4.2	0.5	3.3	0.5	50	11	2
BRRC014	66	72	6	691	158	318	34	115	16	3.5	9	1	5.3	0.9	2.5	0.3	1.8	0.2	27	13	2
BRRC014	72	78	6	731	171	336	35	122	16	3.9	9	0.9	4.7	0.8	2.1	0.3	1.7	0.3	27	12	1
BRRC015	0	6	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	<10
BRRC015	6	12	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	<10
BRRC015	12	18	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	<10
BRRC015	18	24	6	na	117	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC015	24	26	2	885	331	257	58	173	19	3.5	10	1.1	6	1	2.4	0.3	1.8	0.2	23	44	1
BRRC015	26	28	2	704	242	240	44	128	15	2.5	8	0.9	4.4	0.7	1.7	0.2	1.5	0.2	17	37	1
BRRC015	28	30	2	1056	277	478	59	172	21	3.4	10	1.2	6	1	2.2	0.3	2.1	0.3	24	30	1
BRRC015	30	32	2	1220	325	462	72	223	31	5.1	19	2.2	11.8	2.2	5.3	0.7	4.6	0.6	56	27	2
BRRC015	32	34	2	751	175	336	41	129	17	3.1	11	1.2	6.3	1	2.6	0.3	2.3	0.3	26	21	1
BRRC015	34	36	2	798	186	363	40	127	19	3.3	11	1.3	6.8	1.2	3.2	0.4	2.5	0.4	33	23	1
BRRC015	36	42	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC015	42	48	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC016	0	6	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC016	6	12	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC016	12	18	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC016	18	24	6	na	106	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	<10
BRRC016	24	30	6	na	199	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC016	30	36	6	na	129	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC016	36	42	6	na	106	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC016	42	48	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC016	48	54	6	na	94	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC016	54	60	6	na	164	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC016	60	66	6	na	106	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC016	66	72	6	na	82	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC016	72	78	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC017	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC017	6	12	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC017	12	18	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC017	18	20	2	721	179	367	33	100	12	2.5	7	0.7	3.2	0.6	1.2	0.1	0.9	0.1	14	26	2
BRRC017	20	22	2	1119	248	604	47	148	18	4.2	10	1.2	5.3	1	2.3	0.3	1.7	0.2	28	22	2
BRRC017	22	24	2	1152	246	630	48	152	19	4.5	11	1.1	5.5	1	2.4	0.3	2	0.2	29	22	1
BRRC017	24	26	2	1424	343	670	72	236	28	6.3	16	1.6	7.5	1.3	3.4	0.4	2.1	0.3	38	25	3
BRRC017	26	28	2	1476	348	682	75	245	32	6.8	18	1.9	9.6	1.7	4.2	0.5	2.7	0.3	50	21	3

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC017	28	30	2	1324	298	629	64	210	29	6.1	17	1.8	9.2	1.8	4.5	0.5	2.9	0.3	52	21	3
BRRC017	30	32	2	2933	413	1848	109	378	47	9.4	23	2.4	11.5	2.1	6	0.9	5.4	0.8	78	19	4
BRRC017	32	34	2	2594	524	1382	117	388	49	10.1	25	2.8	13	2.3	5.2	0.8	4.5	0.6	70	29	6
BRRC017	34	36	2	1737	378	834	85	287	39	8.3	23	2.4	12.1	2.1	4.6	0.6	3.3	0.4	59	25	4
BRRC017	36	38	2	2108	438	1018	106	346	46	10.4	28	3.1	14.5	2.8	7	0.9	4.9	0.6	83	24	5
BRRC017	38	40	2	2243	462	1146	109	337	42	9.3	26	2.8	13.3	2.5	6.4	0.8	4.2	0.6	81	26	5
BRRC017	40	42	2	2142	415	1047	110	371	48	11	29	3.1	15.3	2.7	6.7	0.8	4.3	0.5	77	23	5
BRRC017	42	44	2	2111	404	955	115	417	56	12.2	33	3.7	17.3	3.1	7.1	0.9	5.1	0.6	82	20	4
BRRC017	44	46	2	1894	360	856	101	356	48	10.9	32	3.6	17.4	3.1	7.9	1.1	6	0.8	92	21	4
BRRC017	46	48	2	1836	371	835	96	333	44	9.2	26	2.9	14.5	2.8	6.9	1	5.9	0.9	87	22	3
BRRC017	48	50	2	1476	311	668	77	261	34	7.4	20	2.2	11.8	2.3	5.9	0.8	4.8	0.6	71	20	2
BRRC017	50	52	2	1651	362	756	85	287	37	7.7	20	2.3	11.5	2.2	5.4	0.8	4.9	0.8	69	24	2
BRRC017	52	54	2	1758	385	806	91	307	41	8.3	24	2.7	12.9	2.3	5.4	0.7	4.2	0.6	68	23	2
BRRC017	54	56	2	1764	362	807	94	325	43	9.4	27	2.8	14.1	2.3	6	0.7	4	0.6	66	21	2
BRRC017	56	58	2	1553	320	727	81	278	34	7.9	21	2.3	10.4	2	4.7	0.6	3.9	0.5	60	20	2
BRRC017	58	60	2	1623	345	726	86	298	42	9.1	24	2.6	12.8	2.2	5.3	0.7	4.2	0.6	65	21	2
BRRC017	60	62	2	1525	350	700	77	262	34	7.7	20	2.2	9.9	1.8	4.5	0.6	3.4	0.5	53	24	2
BRRC017	62	64	2	1491	337	698	75	247	36	7.7	19	2.2	11	1.8	4.1	0.5	3.2	0.5	50	20	2
BRRC017	64	66	2	1534	362	718	75	251	34	7.2	19	1.9	10.2	1.6	3.9	0.5	3.3	0.5	47	23	2
BRRC017	66	68	2	1395	292	655	68	244	32	7.8	20	2.3	10.1	1.7	4.7	0.6	3.7	0.5	54	17	2
BRRC017	68	70	2	1396	301	667	68	233	30	6.9	18	2.1	9.5	1.7	4.6	0.5	3.3	0.4	51	19	2
BRRC017	70	72	2	1355	279	637	66	236	34	7.1	20	2.2	10.1	1.8	4.7	0.6	3.3	0.5	54	17	2
BRRC017	72	74	2	1260	267	587	62	216	30	6.9	19	2.1	9.7	1.6	4.3	0.6	3.1	0.4	51	17	2
BRRC017	74	76	2	1273	263	589	62	224	31	6.4	19	2.2	10.5	1.7	4.5	0.5	3.3	0.4	55	16	3
BRRC017	76	78	2	1279	266	593	63	222	31	6.6	20	2.3	10.4	1.7	4.4	0.5	3.1	0.4	56	15	2
BRRC017	78	80	2	1210	271	576	57	196	27	5.4	15	1.8	8.6	1.5	3.7	0.5	2.6	0.4	45	18	2
BRRC017	80	82	2	1255	297	604	58	192	24	5.2	14	1.7	8.1	1.4	3.5	0.4	2.7	0.3	42	20	2
BRRC017	82	84	2	1189	291	566	54	178	24	5.1	14	1.7	7.5	1.3	3.3	0.4	2.7	0.4	41	22	2
BRRC017	84	90	6	1108	289	507	50	166	22	5	14	1.5	7.3	1.2	3.1	0.4	2.7	0.4	39	17	2
BRRC018	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC018	6	12	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC018	12	18	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC018	18	24	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC018	24	26	2	1480	820	136	107	292	34	9.4	22	2.3	10.6	1.5	3.2	0.3	1.7	0.2	42	28	3
BRRC018	26	28	2	1077	552	179	73	186	21	4.9	14	1.5	7.3	1.2	2.6	0.3	1.7	0.3	34	46	5
BRRC018	28	30	2	1207	615	157	86	238	27	6.7	18	1.9	8.5	1.4	3.3	0.3	2.3	0.3	42	53	5
BRRC018	30	32	2	1369	591	258	94	282	35	9.2	24	2.5	12.1	1.9	4.2	0.5	2.6	0.4	52	45	5
BRRC018	32	34	2	708	250	219	42	125	16	4.2	11	1.1	6	1	2.3	0.3	1.6	0.3	29	59	7
BRRC018	34	36	2	948	365	222	61	192	25	5.9	17	1.7	8.4	1.5	3.6	0.4	2.3	0.4	42	55	6
BRRC018	36	38	2	671	260	186	44	128	15	3.3	7	0.9	3.9	0.7	1.7	0.3	1.7	0.2	18	82	6
BRRC018	38	40	2	1111	419	345	68	197	24	5.2	13	1.4	6.3	1.1	2.6	0.3	1.8	0.3	28	72	6
BRRC018	40	42	2	868	324	206	56	177	22	5.5	14	1.6	7.9	1.4	3.6	0.5	2.5	0.4	46	79	7

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC018	42	44	2	2448	915	359	167	578	79	19.9	60	6.2	31.9	5.9	15.3	1.6	7.6	1	201	35	7
BRRC018	44	46	2	938	311	217	61	202	27	6.8	20	2.2	10.4	1.9	5.1	0.5	2.9	0.4	72	49	6
BRRC018	46	48	2	358	98	134	20	66	10	2	5	0.6	3.1	0.5	1.6	0.2	1.5	0.3	15	31	8
BRRC018	48	50	2	2111	679	793	120	377	47	10.1	23	2.5	11.1	1.6	3.9	0.5	2.8	0.3	40	29	7
BRRC018	50	52	2	2824	847	1094	156	485	63	13.4	37	4	18.4	3.1	7.6	0.9	5.3	0.6	90	24	8
BRRC018	52	54	2	3089	891	1221	163	511	65	14.8	41	4.5	22.4	4.1	10.6	1.2	6.2	0.7	134	25	7
BRRC018	54	56	2	2892	873	1226	143	433	53	12.1	30	3.6	16.9	2.9	6.9	0.8	4.6	0.6	88	35	6
BRRC018	56	58	2	2242	544	1153	97	301	37	8	21	2.5	11.4	2	4.6	0.5	3.2	0.5	57	47	7
BRRC018	58	60	2	2212	287	1492	66	226	33	6.9	21	2.6	11.7	1.9	5	0.5	3.1	0.5	55	28	8
BRRC018	60	62	2	3202	578	1664	145	518	78	16.6	47	5.5	24.8	3.9	9.4	1	5.6	0.7	105	25	6
BRRC018	62	64	2	3307	658	1774	124	421	57	12.6	39	4.7	24	4.5	12.9	1.6	8.1	0.9	164	47	5
BRRC018	64	66	2	2724	476	1695	89	287	38	8.6	22	2.8	12.7	2.3	6	0.8	4.2	0.6	79	38	5
BRRC018	66	68	2	1464	242	948	48	156	20	4.2	10	1.2	5.4	0.9	2.1	0.3	1.9	0.3	24	28	4
BRRC018	68	70	2	1131	233	647	46	144	19	3.7	9	1	4.4	0.7	1.9	0.3	1.8	0.3	20	33	4
BRRC018	70	72	2	1588	449	616	86	300	38	8.6	19	2.3	10.3	1.7	4.1	0.6	3.6	0.5	49	34	4
BRRC018	72	74	2	1874	483	802	96	339	44	8.7	20	2.5	10.7	1.9	4.6	0.7	4	0.6	57	37	5
BRRC018	74	76	2	1850	509	806	89	298	38	8.3	19	2.4	10.6	1.8	4.5	0.6	4	0.6	58	45	5
BRRC018	76	78	2	1746	508	781	79	253	31	6.7	17	2.1	9.7	1.6	4.1	0.5	3	0.4	50	52	5
BRRC018	78	80	2	1299	338	573	63	209	29	6.1	16	1.9	8.6	1.5	3.6	0.5	3.1	0.4	46	29	4
BRRC018	80	82	2	928	179	382	49	184	29	5.9	17	2.1	9.6	1.8	4.5	0.6	3.7	0.5	61	13	4
BRRC018	82	84	2	1173	216	496	61	237	37	7.7	22	2.7	12.6	2.1	5.2	0.7	3.7	0.6	68	15	3
BRRC018	84	86	2	976	191	418	50	195	31	6.4	18	2.1	9.5	1.6	3.9	0.5	2.9	0.4	47	13	2
BRRC018	86	88	2	774	171	338	39	141	22	4.3	11	1.4	6.5	1.1	2.7	0.4	2.1	0.3	35	17	3
BRRC018	88	90	2	970	259	433	46	151	20	4.3	11	1.4	6	1	2.7	0.3	2.2	0.3	33	27	4
BRRC018	90	96	6	1059	174	453	57	216	36	7.6	22	2.5	12.9	2.2	5.5	0.7	4.1	0.5	66	17	3
BRRC019	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC019	6	12	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC019	12	18	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC019	18	20	2	117	31	40	6	21	4	0.8	2	0.3	1.6	0.3	0.9	0.2	1.1	0.2	9	36	3
BRRC019	20	22	2	356	113	136	19	57	7	1.7	4	0.6	2.7	0.5	1.4	0.2	1.1	0.2	12	81	3
BRRC019	22	24	2	820	113	570	18	56	11	2.5	8	1.2	6.3	1.1	2.9	0.4	2.3	0.3	29	42	2
BRRC019	24	26	2	692	231	268	36	104	14	2.6	7	0.9	4.3	0.8	1.9	0.2	1.2	0.2	20	22	2
BRRC019	26	28	2	1834	748	451	126	374	42	7.7	20	2.2	9.5	1.5	3.4	0.4	2	0.3	47	26	2
BRRC019	28	30	2	1838	739	435	117	374	42	8.4	24	2.8	13.4	2.2	5.6	0.7	3	0.4	72	33	3
BRRC019	30	32	2	1340	419	322	91	325	43	8.2	25	3	13.7	2.3	5.6	0.7	3.2	0.5	79	32	4
BRRC019	32	34	2	1172	330	314	75	274	42	8.4	26	3.1	14.6	2.5	5.6	0.7	3.5	0.5	74	28	4
BRRC019	34	36	2	2040	285	1265	74	257	37	7.3	21	2.7	11.7	2.1	5.2	0.7	3.3	0.5	70	19	5
BRRC019	36	38	2	7367	784	4568	269	1051	153	29.6	76	10.3	48	9.3	25.8	4.1	26.1	4.1	310	31	9
BRRC019	38	40	2	1991	324	840	104	409	63	13	35	4.5	23.1	4.2	12.2	1.9	12.8	2	143	17	9
BRRC019	40	42	2	1570	266	690	75	285	46	9.8	28	3.7	18.1	3.5	10.2	1.5	9.7	1.5	123	13	7
BRRC019	42	44	2	1015	178	433	51	192	31	6.2	19	2.5	11.8	2.2	6.2	0.9	5.7	0.9	74	16	6
BRRC019	44	46	2	721	137	314	36	134	22	4.9	12	1.6	7.2	1.3	3.7	0.5	3.1	0.5	45	15	5

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC019	46	48	2	932	255	435	43	133	16	3.7	8	1	4.6	0.8	2.1	0.3	1.8	0.4	29	42	4
BRRC019	48	50	2	965	265	453	44	133	17	3.3	8	1.1	5	0.9	2.4	0.3	1.9	0.3	30	41	4
BRRC019	50	52	2	737	202	346	34	106	12	2.6	6	0.7	3.5	0.6	1.6	0.2	1.3	0.2	20	35	3
BRRC019	52	54	2	1024	286	491	47	142	16	3.2	7	0.9	4.1	0.7	1.8	0.2	1.6	0.3	22	50	3
BRRC019	54	60	6	977	161	414	51	195	33	6.1	20	2.4	12.5	2.1	5.7	0.7	4.6	0.7	69	8	2
BRRC019	60	66	6	809	172	366	40	138	21	4.2	12	1.5	7.6	1.2	3	0.4	2.7	0.3	40	22	2
BRRC020	0	6	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC020	6	12	6	na	199	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC020	12	18	6	na	94	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC020	18	24	6	na	152	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC020	24	26	2	594	205	188	31	100	13	2.9	8	1.1	5.3	1	2.1	0.3	1.6	0.2	34	43	2
BRRC020	26	28	2	332	102	149	14	42	6	1.2	3	0.5	2	0.4	1	0.1	0.9	0.2	11	58	3
BRRC020	28	30	2	563	164	209	29	98	13	3	10	1.1	5.1	0.9	2.1	0.3	1.7	0.2	27	49	3
BRRC020	30	32	2	679	227	234	37	118	15	3.1	10	1.1	5.5	0.9	2.1	0.3	1.4	0.2	24	55	3
BRRC020	32	34	2	1357	380	431	79	276	44	9.6	31	3.7	17.5	2.8	6.3	0.8	3.5	0.5	72	44	3
BRRC020	34	36	2	726	202	276	39	128	19	3.9	12	1.4	7	1.1	2.6	0.3	1.6	0.2	32	45	3
BRRC020	36	38	2	710	196	291	38	120	16	3.1	10	1.2	5.6	0.9	2.3	0.3	1.9	0.3	26	44	4
BRRC020	38	40	2	1689	486	678	95	301	35	6.9	20	2.2	10.2	1.8	3.9	0.4	2.7	0.4	46	39	4
BRRC020	40	42	2	1992	510	890	103	319	39	7.5	22	2.6	13.5	2.3	6	0.7	3.7	0.5	73	39	5
BRRC020	42	44	2	964	114	625	34	117	16	3.2	9	1.1	5.6	1	2.8	0.4	3.1	0.5	31	31	13
BRRC020	44	46	2	2209	283	1467	71	237	35	7.3	21	2.6	11.9	2	5.3	0.7	4.6	0.7	61	32	12
BRRC020	46	48	2	2632	204	2081	53	175	25	5.2	14	2.1	8.5	1.6	4.6	0.7	5	0.8	51	36	11
BRRC020	48	50	2	3012	387	1621	126	477	76	15.9	49	6	29.4	5.4	15	2.2	13.7	2	188	27	8
BRRC020	50	52	2	1918	272	981	85	310	48	11.1	32	3.9	19.8	3.8	10.2	1.6	10	1.5	128	34	7
BRRC020	52	54	2	1991	312	912	96	350	55	11.6	37	4.3	22.6	4.4	12.2	1.9	11.6	1.8	159	38	6
BRRC020	54	56	2	1426	222	602	65	240	40	8.9	28	3.4	18.2	3.9	11.1	1.7	10.8	1.9	169	23	6
BRRC020	56	58	2	1197	203	492	56	208	34	7.4	24	2.8	14.5	3	8.6	1.2	7.1	1.2	136	19	6
BRRC020	58	60	2	921	168	398	47	174	31	6.7	20	2.1	10.7	1.9	4.7	0.6	3.4	0.5	53	16	4
BRRC020	60	62	2	803	145	352	41	153	26	6.1	16	1.9	8.9	1.6	3.8	0.5	3	0.5	44	18	5
BRRC020	62	64	2	416	95	196	20	65	8	2.5	5	0.6	3	0.6	1.5	0.2	1.5	0.2	18	14	3
BRRC020	64	66	2	774	138	343	40	146	22	5.3	14	1.8	8.6	1.5	3.7	0.5	3.3	0.5	45	20	4
BRRC020	66	72	6	973	172	420	48	181	31	6.9	20	2.4	11.7	2	5.4	0.8	4.2	0.6	68	17	3
BRRC020	72	78	6	717	133	314	37	135	21	4.5	13	1.5	7.8	1.3	3.5	0.5	2.7	0.4	43	17	2
BRRC021	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC021	6	12	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	50	<10
BRRC021	12	18	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	50	<10
BRRC021	18	24	6	na	117	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC021	24	30	6	na	94	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC021	30	32	2	514	219	116	32	93	12	2	7	0.8	4.3	0.7	2.1	0.3	1.8	0.3	23	27	2
BRRC021	32	34	2	615	181	260	30	89	12	1.7	7	0.9	4.6	0.8	2.1	0.3	1.9	0.3	24	46	3
BRRC021	34	36	2	853	159	513	35	102	13	2.1	6	0.8	3.4	0.5	1.4	0.2	1	0.2	15	33	3
BRRC021	36	38	2	2098	450	1024	109	351	45	8	25	3	14.4	2.3	5.7	0.7	4.2	0.5	56	18	5

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC021	38	40	2	1671	297	1049	58	182	23	3.6	13	1.6	6.8	1.1	2.9	0.4	2.3	0.3	31	34	5
BRRC021	40	42	2	1354	188	958	39	117	14	2.2	7	1.1	4	0.7	1.7	0.3	1.6	0.2	19	33	4
BRRC021	42	44	2	3679	536	2131	169	555	73	11.9	37	4.7	22.7	4	10.5	1.5	9.1	1.3	113	30	9
BRRC021	44	46	2	5176	883	2425	257	907	131	21.9	82	10.5	54.8	10.5	28.5	4.1	25.9	3.7	331	32	11
BRRC021	46	48	2	1793	298	981	76	261	37	5.7	23	2.9	13.7	2.6	6.9	0.9	5.4	0.8	78	36	5
BRRC021	48	50	2	2023	323	1228	70	239	32	5.3	20	2.5	11.7	2.2	6.2	0.8	5.4	0.7	78	40	5
BRRC021	50	52	2	1429	214	890	48	159	21	3.4	14	1.8	8.6	1.8	4.7	0.6	4	0.6	59	43	4
BRRC021	52	54	2	498	87	279	20	65	9	1.8	6	0.8	3.9	0.7	1.9	0.3	1.5	0.2	22	20	2
BRRC021	54	56	2	456	82	254	18	61	8	2	5	0.7	3	0.6	1.4	0.2	1.3	0.2	18	16	2
BRRC021	56	58	2	397	84	214	16	52	6	1.7	4	0.5	2.2	0.4	1.1	0.2	1	0.1	14	18	1
BRRC021	58	60	2	505	98	279	19	68	9	2.2	6	0.7	3.5	0.6	1.6	0.2	1.5	0.2	17	18	2
BRRC021	60	66	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC021	66	72	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC021	72	78	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC021	78	84	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC021	84	90	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC021	90	96	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC022	0	6	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC022	6	12	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC022	12	18	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRRC022	18	20	2	676	143	345	29	104	15	2.9	8	1.1	5.5	0.8	2	0.2	1.3	0.1	20	17	2
BRRC022	20	22	2	962	209	476	41	150	21	4.8	13	1.6	8.2	1.3	3.2	0.3	1.7	0.2	30	7	2
BRRC022	22	24	2	1345	301	652	59	217	28	6.7	19	2.2	11.3	1.9	4	0.4	2.2	0.2	41	6	2
BRRC022	24	26	2	1223	245	634	53	187	25	5.8	15	1.9	9.7	1.5	3.9	0.5	2.7	0.3	38	6	4
BRRC022	26	28	2	1308	253	652	58	216	30	6.6	18	2.1	11.5	1.9	4.5	0.6	3.3	0.4	50	5	4
BRRC022	28	30	2	1235	232	572	58	219	32	6.9	20	2.5	12.5	2.2	5.7	0.8	4.9	0.7	65	5	3
BRRC022	30	32	2	960	178	411	42	161	23	5.4	17	2.2	11.9	2.4	7.5	1	6.6	0.9	89	5	3
BRRC022	32	34	2	845	167	368	41	153	22	4.8	13	1.6	9	1.6	4.5	0.6	3.7	0.5	55	4	2
BRRC022	34	36	2	717	143	313	35	133	19	4.4	12	1.6	7.8	1.3	3.5	0.4	2.8	0.4	41	4	2
BRRC022	36	38	2	732	147	322	35	132	19	4.3	13	1.5	7.9	1.4	3.6	0.5	2.8	0.4	44	4	1
BRRC022	38	40	2	724	144	321	35	129	19	4.4	12	1.6	7.7	1.4	3.5	0.5	2.6	0.3	42	3	1
BRRC022	40	42	2	674	135	296	33	122	18	4.1	11	1.4	7.3	1.3	3.3	0.4	2.6	0.3	38	5	2
BRRC022	42	44	2	677	133	296	33	126	19	4.2	12	1.4	7.2	1.4	3.5	0.4	2.7	0.4	39	4	2
BRRC022	44	46	2	661	131	289	32	122	18	3.9	12	1.5	7	1.3	3.5	0.4	2.6	0.4	38	4	2
BRRC022	46	48	2	455	96	204	22	78	10	2.5	7	0.9	4.4	0.8	2.4	0.3	1.9	0.3	26	188	3
BRRC022	48	54	6	715	148	313	35	128	19	4.2	12	1.5	7.7	1.2	3.4	0.4	2.5	0.4	40	4	1
BRRC023	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC023	6	12	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC023	12	18	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	40	<10
BRRC023	18	24	6	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	50	<10
BRRC023	24	30	6	na	141	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC023	30	36	6	na	270	na	na	na	na	na	na	na	na	na	na	na	na	na	na	50	<10

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC023	36	38	2	547	161	252	26	80	8	2.1	4	0.4	1.9	0.3	1	0.1	0.9	0.2	10	38	4
BRRC023	38	40	2	673	179	345	30	91	9	2	4	0.4	1.9	0.3	0.8	0.1	1	0.1	9	42	4
BRRC023	40	42	2	1206	316	592	59	183	19	3.7	9	1	3.8	0.6	1.5	0.2	1.6	0.2	16	70	6
BRRC023	42	44	2	1447	312	772	65	216	25	4.4	12	1.4	6.3	1	2.6	0.3	2.2	0.4	27	61	9
BRRC023	44	46	2	1576	347	813	72	247	29	5.2	15	1.6	7.4	1.1	3	0.4	2.3	0.4	32	61	8
BRRC023	46	48	2	1485	324	764	68	233	29	4.9	15	1.6	7.8	1.2	2.8	0.3	2.6	0.3	33	66	7
BRRC023	48	50	2	1788	361	1036	71	233	27	4.5	12	1.5	6.2	1	2.8	0.3	2.4	0.4	30	75	9
BRRC023	50	52	2	2106	493	1030	100	337	42	7.5	22	2.5	11.8	1.8	4.4	0.6	3.3	0.5	51	89	7
BRRC023	52	54	2	2153	404	1240	88	300	38	6.2	17	2.1	8.9	1.4	3.7	0.5	2.8	0.5	40	68	6
BRRC023	54	56	2	3452	496	2278	113	386	49	8.6	25	3.2	12.5	2.2	5.7	0.7	4.5	0.6	68	71	6
BRRC023	56	58	2	2370	353	1547	76	264	33	6.2	16	2.1	8.9	1.6	4.5	0.6	4.2	0.6	54	61	5
BRRC023	58	60	2	2301	488	1055	108	394	53	10.5	33	3.9	19.3	3.5	9.3	1.1	6.9	0.9	116	32	5
BRRC023	60	62	2	273	58	124	13	48	6	1	4	0.4	2.1	0.4	1.1	0.1	0.9	0.1	15	6	1
BRRC023	62	64	2	2333	391	1253	84	318	44	8.5	30	3.8	19.5	3.8	11.6	1.6	10.6	1.7	154	48	6
BRRC023	64	66	2	1377	299	645	62	217	28	5.2	17	2.1	9.9	1.8	5.4	0.8	5.2	0.9	78	43	4
BRRC023	66	68	2	1514	331	731	74	238	32	6.1	18	2.2	10	1.9	4.9	0.6	3.8	0.7	61	51	5
BRRC023	68	70	2	944	205	441	50	156	22	4.4	13	1.4	6.5	1.3	3.2	0.4	2.8	0.4	38	31	3
BRRC023	70	72	2	1265	284	597	64	206	29	5.4	16	1.9	8.8	1.5	4.1	0.5	3.2	0.4	45	32	4
BRRC023	72	74	2	1354	296	634	71	229	31	5.2	18	2.1	9.4	1.8	4.2	0.5	3.8	0.4	49	32	6
BRRC023	74	76	2	1071	259	508	53	168	21	4.1	12	1.3	5.9	1.1	3	0.3	2.7	0.4	32	48	6
BRRC023	76	78	2	1019	248	488	50	156	20	4.1	10	1.2	5.4	1	2.7	0.3	2.4	0.4	30	61	5
BRRC023	78	80	2	1123	285	546	56	166	19	3.7	10	1.1	4.6	0.9	2.3	0.2	2.4	0.3	26	50	4
BRRC023	80	82	2	1037	255	494	51	157	20	4	11	1.3	5.4	1.1	2.8	0.3	2.4	0.3	32	36	4
BRRC023	82	84	2	961	249	437	49	148	19	3.6	10	1.3	5.3	1.1	3.1	0.4	2.4	0.4	32	40	5
BRRC023	84	86	2	1703	432	866	81	233	25	5.1	13	1.4	6.6	1.1	3	0.4	3	0.4	34	64	6
BRRC023	86	88	2	1359	340	683	65	191	21	4.6	11	1.3	5.5	1	2.6	0.3	2.6	0.4	30	55	6
BRRC023	88	90	2	1316	317	658	65	189	24	4.5	12	1.3	6.1	1.1	2.9	0.4	2.7	0.4	33	55	7
BRRC023	90	96	6	1007	164	441	54	202	32	6.5	19	2.3	11.6	1.9	5.4	0.6	4.2	0.6	62	16	2
BRRC024	0	6	6	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC024	6	12	6	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC024	12	18	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC024	18	24	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRRC024	24	30	6	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC024	30	36	6	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC024	36	38	2	1055	234	497	55	181	25	5.3	14	1.6	6.8	1.1	2.8	0.3	2.2	0.3	28	9	2
BRRC024	38	40	2	774	183	386	38	113	15	3.1	8	1	4	0.7	1.7	0.3	2.3	0.3	18	10	2
BRRC024	40	42	2	1235	279	640	57	181	24	4.7	13	1.4	6.1	1	2	0.3	1.7	0.3	25	18	2
BRRC024	42	44	2	2933	626	1474	148	468	61	12	31	3.6	15.6	2.8	6.7	0.8	4.8	0.6	80	47	4
BRRC024	44	46	2	2814	644	1388	143	445	56	11.4	30	3.2	14.7	2.5	5.9	0.7	4.6	0.6	66	41	5
BRRC024	46	48	2	2229	477	1098	112	373	48	10.2	27	2.9	12.9	2.2	5	0.6	4	0.4	57	20	4
BRRC024	48	50	2	1465	321	707	73	245	33	7	19	2	8.9	1.6	3.7	0.4	2.6	0.3	41	18	4
BRRC024	50	52	2	1123	250	546	58	184	23	4.9	12	1.4	6.2	1.1	2.8	0.4	2.5	0.4	31	15	3

Hole	From m	To m	Interval m	TREO 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	Th ppm	U ppm
BRRC024	52	54	2	1194	240	522	59	198	29	5.9	19	2.2	11.7	2.5	7	0.9	6.6	0.9	90	15	2
BRRC024	54	56	2	917	204	416	45	146	19	4.4	13	1.5	7.5	1.5	3.9	0.5	4.1	0.5	50	21	3
BRRC024	56	58	2	1051	215	479	56	191	26	5.3	15	1.6	7.9	1.6	3.7	0.5	3.1	0.4	46	10	2
BRRC024	58	60	2	1054	230	490	55	178	24	5.5	13	1.5	7.2	1.3	3.7	0.5	3	0.4	41	17	2
BRRC024	60	62	2	1020	216	470	53	180	24	5.1	13	1.6	7.5	1.4	3.7	0.4	3.1	0.4	40	15	2
BRRC024	62	64	2	1434	326	680	72	233	31	6.3	17	1.9	9	1.8	4	0.5	3.4	0.4	49	17	2
BRRC024	64	66	2	1079	204	475	58	206	31	6.3	19	2.2	10.4	1.9	4.7	0.6	4	0.5	55	8	1
BRRC024	66	72	6	1166	236	522	59	215	30	6.4	18	2	10.5	1.7	4.8	0.5	3.7	0.4	57	9	1
BRRC025	0	6	6	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC025	6	8	2	429	77	193	20	71	12	2.4	8	1	5.4	1	2.6	0.3	2.5	0.3	32	21	2
BRRC025	8	10	2	1347	359	640	67	191	26	5.3	15	1.8	7.4	1.3	3	0.3	2.4	0.3	28	19	2
BRRC025	10	12	2	1456	312	683	86	288	35	6.5	16	1.7	6.5	0.9	1.8	0.2	1.3	0.2	17	14	2
BRRC025	12	14	2	1691	214	651	88	342	64	14.2	48	5.7	29.3	5.8	15.7	2	14.2	1.8	196	17	3
BRRC025	14	16	2	1025	184	441	54	199	32	7	21	2.3	11.3	2	4.8	0.6	4	0.5	63	16	2
BRRC025	16	18	2	1102	216	484	56	201	33	6.8	20	2.3	10.5	1.9	4.8	0.7	4	0.6	61	19	2
BRRC025	18	20	2	1094	206	479	56	208	35	7.2	21	2.4	10.7	2	4.9	0.6	3.9	0.5	57	17	2
BRRC025	20	22	2	1075	195	473	56	210	33	6.8	21	2.4	10.5	1.9	4.8	0.6	3.7	0.4	57	16	2
BRRC025	22	24	2	1043	200	457	54	198	31	6.7	19	2.1	10.3	1.9	4.6	0.6	3.6	0.4	54	17	2
BRRC025	24	26	2	993	211	449	49	172	26	6.1	16	1.8	8.7	1.5	3.9	0.5	3.3	0.4	44	19	1
BRRC025	26	28	2	1003	219	456	49	172	26	5.8	15	1.7	8.5	1.5	3.5	0.4	3.1	0.4	43	20	2
BRRC025	28	30	2	939	216	435	46	152	22	5.5	13	1.4	6.8	1.2	3.1	0.4	2.7	0.3	36	21	2
BRRC025	30	32	2	1174	249	532	58	205	31	7.3	19	2.1	10.5	1.8	4.8	0.5	3.4	0.4	51	23	2
BRRC025	32	34	2	1113	223	494	57	204	32	6.9	19	2.2	10.3	1.8	4.4	0.6	3.5	0.5	54	19	2
BRRC025	34	36	2	1072	230	481	54	188	29	6.3	17	1.9	8.5	1.6	3.8	0.5	3.1	0.4	47	19	2
BRRC025	36	38	2	1065	236	488	53	182	27	5.4	16	1.7	7.8	1.4	3.3	0.4	2.5	0.3	41	18	2
BRRC025	38	40	2	1065	218	483	54	194	29	6.5	17	2	9	1.5	3.5	0.4	2.7	0.4	44	18	2
BRRC025	40	42	2	988	194	438	51	187	29	6	17	1.9	9.1	1.5	3.7	0.5	2.7	0.4	46	14	2
BRRC025	42	44	2	1096	200	479	57	216	33	7.1	21	2.3	11.4	2	4.7	0.6	3.8	0.5	58	13	2
BRRC025	44	46	2	1156	216	510	60	224	33	6.9	21	2.3	11.2	2	4.9	0.6	4.3	0.5	60	15	2
BRRC025	46	48	2	1060	195	472	56	201	32	6.8	19	2.2	9.9	1.8	4.7	0.7	3.6	0.5	55	10	2
BRRC025	48	50	2	1010	204	452	51	187	29	6.3	17	1.9	9	1.6	4	0.5	3.1	0.3	45	15	2
BRRC025	50	52	2	978	192	440	50	181	28	6.1	17	1.9	9.1	1.5	3.9	0.5	2.9	0.4	45	12	2
BRRC025	52	54	2	1072	206	476	55	202	31	6.7	19	2.2	10.4	1.8	4.4	0.6	3.6	0.4	54	13	2
BRRC025	54	60	6	na	188	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRRC025	60	66	6	990	196	441	50	181	29	5.9	17	1.9	9.4	1.6	3.7	0.5	3.1	0.4	50	14	2
BRRC025	66	72	6	917	172	398	47	177	30	6.3	17	2	9.8	1.6	4.1	0.5	3	0.4	49	11	2
BRRC025	72	78	6	967	192	426	49	180	29	6	17	1.9	9.6	1.5	4.1	0.4	2.8	0.4	48	13	2

Appendix One
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. • 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 (e.g.: submarine nodules) may warrant disclosure of detailed information.	• 25 Reverse Circulation (RC) drill holes for 1,794 m were drilled within the newly defined Jupiter target (*see Venture Minerals announcement to the ASX 9 November 2023*). • The RC drill cuttings were collected from the drill rig cyclone in 1 m intervals, bagged and arranged in rows on site for assay sampling. Composite samples representing 2 to 6 m intervals were collected as appropriate by sampling spear from the bulk 1 m samples. • Drilling and sampling was supervised by a suitably qualified Venture Minerals geologist. • Samples were submitted to commercial assay laboratory ALS Geochemistry ("ALS") for assay.
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..).	• This report is based on 25 RC drill holes drilled with a DB450 RC rig with booster and auxiliary compressor operated by KTE Mining Services Pty Ltd. • RC holes were drilled with a 5 ½ inch 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 and considered representative with good recovery. • Most of the holes encountered water but it did not significantly impact recovery or sample representativity.
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 suitably qualified Venture Minerals geologists. • Mineral Resources have not been estimated. • The detail of geological logging is considered sufficient for mineral exploration.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• Drill composites of 2 to 6 m length were collected by sampling spear from the bulk 1 m samples. • Assay sample weights ranged from 0.8-5 kg. 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 30 samples. • Field duplicate samples were collected at a rate of one duplicate per mineralised zone (c. 1 per 40 samples). • The assay results match observed mineralisation well and the 2 to 6 m sample lengths and sizes are considered appropriate for the observed mineralisation.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	• All samples were submitted to ALS Geochemistry, Perth ("ALS") where they were oven dried then pulverized to P80 -75 microns (method PUL-23). • Assaying of drill samples was conducted by ALS using a lithium borate fusion at 1025 deg C followed by nitric + hydrochloric + hydrofluoric acid digestion of the resultant glass bead and ICP-MS finish for 32 elements including full REE suite (ALS method ME-MS81). • Internal commercial assay standards all reported within 25% of the reference values for all REEs + Y and >90% of the assay standards reported within 10% of the reference values.
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.	• The use of twinned holes is not applicable at this stage. • The assay results are compatible with observed mineralogy. • Primary data is stored and documented in industry standard ways. • Venture 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 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 drilling is of reconnaissance exploration nature and was conducted on 100m to 1 km spacing along existing pastoral tracks. • The assay results reported here are for 2 to 6 m intervals composited from the bulk 1 m RC sample intervals.
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 AC holes were drilled vertically along existing pastoral tracks. • The intersected clay and saprolite zones blanket weathered granitoid basement such that downhole thickness approximate true thickness.
Sample security	• The measures taken to ensure sample security.	• The chain of custody for all Venture Minerals samples from collection to dispatch to assay laboratory was managed by Venture Minerals personnel. • Sample numbers are unique and do not include any locational or interval information useful to non-Venture 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.	• Duplicate sampling at a rate of 1 field duplicate per mineralised zone (1 per c. 40 samples) was used to evaluate sampling error and is acceptable for such exploration drilling. • The RC drilling results are compatible with Venture Minerals' previously reported AC drilling results. • Laboratory assays are compatible with field pXRF data.

Section 2 Reporting of Exploration Results
(Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	• The Brothers REE Project consists of granted Exploration Licences E59/2710, E59/2711, E59/2819, E59/2820, E59/2821, E59/2827, E59/2421, E59/2463 and Exploration Licence application E59/2709. • E59/2710, E59/2711, E59/2819, E59/2820, E59/2821, E59/2827 and E59/2709 area held 100% held by Tasmanian Rare Earth Pty Ltd a wholly owned subsidiary of Venture Minerals. • E59/2421 and E59/2463 are subject of a Joint Venture between Venture Minerals and owners Merchant Ventures Pty Ltd.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• Documented previous explorers within the area now covered by the Brothers Project include North Flinders Mines Ltd, CRA Exploration Pty Ltd, Spark Energy Pty Ltd, Arcadia Minerals Ltd, Babalya Gold Pty Ltd, Burmine Ltd, Equigold NL, Equinox Resources NL, Jervois Mining Ltd, Minjar Gold Pty Ltd, Mount Magnet South NL, Sons Of Gwalia Ltd and David Ross. • Refer to previous Venture Minerals announcements to the ASX and also available from http://ventureminerals.com.au
Geology	• Deposit type, geological setting and style of mineralisation.	• The Brothers REE exploration area is situated within the Western Australian Archean Yilgarn Craton and mostly comprises Cenozoic cover sequence overlying an extensive Archaean monzogranite complex (the Big Bell and Walganna suites).
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 3. • Collar location was determined by handheld Garmin GPS64sx and is considered accurate to ±5m. • All coordinates and maps presented here are in the MGA Zone 50 GDA94 system. • Topographic control is provided by Worldwide 3 arc second SRTM spot height data. • Refer to *ASX Announcements 9 May 2023* and *1 August 2023* for historic RC drill results and initial Brothers Project AC drill results respectively.
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.	• Full sample assay interval results without aggregation methods are given in Table 4. • Metal equivalents have not been applied. • Refer to *ASX Announcement 9 May 2023* for historic drilling. • Standard element to oxide conversion factors have been used. Individual REE values in Table 3 and 4 are rounded to appropriately reflect reporting precision and the TREO field was calculated on an unrounded basis. La_2O_3 1.173 CeO_2 1.228 Pr_6O_{11} 1.208 Nd_2O_3 1.166 Sm_2O_3 1.16 Eu_2O_3 1.158 Gd_2O_3 1.153 Tb_4O_7 1.176 Dy_2O_3 1.148 Ho_2O_3 1.146 Er_2O_3 1.143 Tm_2O_3 1.142 Yb_2O_3 1.139 Lu_2O_3 1.137 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.	• The intersected clay and saprolite zones blanket weathered granitoid basement such that downhole thickness approximate true thickness.

Criteria	JORC Code explanation	Commentary
	• 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').	
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.	• Appropriate exploration maps are included in this release.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	• Complete assay results for the announced intersections are included in Table Four.
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. • Refer to *ASX Announcements 9 May 2023 and 9 November 2023* for significant historic drill holes, geochemical results and geophysical survey information. • The project is at a reconnaissance exploration stage and bulk density, geotechnical, hydrogeological and metallurgical work have yet to be done.
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.	• Venture proposes to better define the identified REE mineralisation at the Jupiter target by further AC and RC drilling, and additionally continue to reconnaissance drill test satellite targets within the broader Brothers REE project area. • Venture is currently commissioning metallurgical assays (including leachability) on selected mineralised intervals. • Appropriate exploration target maps are included in this release.