17 October 2024

ASX: CRI

MULTIPLE RARE EARTH DISCOVERIES NEAR JUPITER

The Board of Critica Limited (Critica or the Company) is pleased to announce that further regional reconnaissance drilling east of the Jupiter clay-hosted rare earth Project has delivered multiple, new, rare earth discoveries. The three new discoveries combined with the two announced last month, means that Critica has now identified a total of five, large-scale satellite prospects to the east of Jupiter. Jupiter is part of the Company's flagship Brothers Project which is demonstrating provincial scale.

HIGHLIGHTS

- **A total of five large scale satellite discoveries now identified adjacent to Jupiter.**
- **Discoveries suggest that the Brothers Project hosts a Provincial-Scale, rare earth, mineralised system.**
- **The latest discoveries contain high grade intersections of up to 4m @ 5,331ppm TREO.**
- **Significant levels of Dysprosium and Terbium (Dy and Tb) also identified in satellite discoveries.**
- **Low levels of thorium and uranium.**
- **Critica's geophysical targeting is proving to be an excellent technique for new discoveries.**
- **Latest regional drilling has again delivered a high success rate with significant REE mineralisation occurring in multiple, broad-spaced aircore holes.**

Significant intercepts *(see Tables 1and 2 for full details)*

Hole No.	Metres/TREO ppm	Including TREO ppm
BRAC348	**20m @ 1,472**	**8m @ 2,539**
BRAC352	**20m @ 1,611**	**8m @ 2,516**
BRAC354	**23m @ 2,130**	**4m @ 5,331**
BRAC355	**31m @ 1,610**	**12m @ 2,510**
BRAC358	**23m @ 1,696**	**4m @ 3,086**
BRAC362	**19m @ 1,691**	**8m @ 2,738**
BRAC365	**21m @ 1,604**	**4m @ 3,800**

Philippa Leggat, Commented:

"Our regional drilling program has been highly successful. We've made multiple discoveries which together confirm the provincial-scale nature of the Brother's Rare Earth Project that surrounds Jupiter. It's exciting to see our technical team applying knowledge learnt from Jupiter, and cost-effectively delivering new, large-scale discoveries.

"In addition to our successful exploration work, we have completed our infill drilling of the high-grade areas at Jupiter. We're looking forward to receiving those results, metallurgical work continues and completing our maiden resource estimate for Jupiter, which we plan to release later this quarter."

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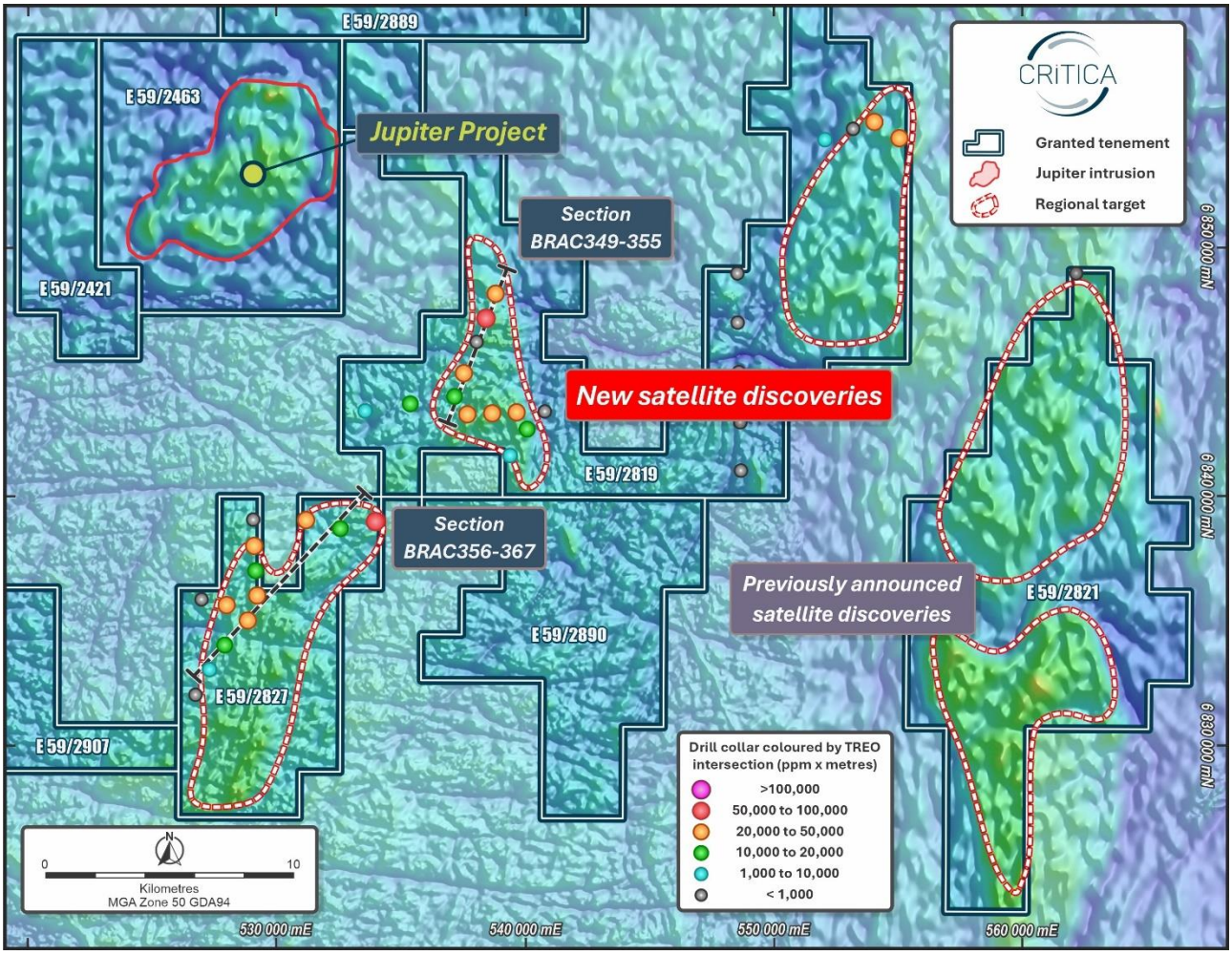
Figure 1 | Map of the Brothers Project Showing 3 New Discoveries and 2 Previous Discoveries in Relation to Jupiter, Over Magnetics



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ABOUT BROTHERS AND JUPITER

Jupiter is a high-grade, clay-hosted rare earths project and is part of the broader Brother's Project which was discovered in late 2023 and is strategically located within the Mt Magnet and Yalgoo mining district, Western Australia. Jupiter was originally identified by geophysics followed by cost effective Air Core drilling which enabled Critica to quickly advance the project. With Critica's strong cash position the Company has been able to complete over 42,000 metres of drilling in less than 18 months. Additional drilling and metallurgy are underway, and the maiden resource targeted by the end of 2024.

Jupiter boasts remarkably consistent rare earth mineralisation over the entire 40 square km^2 project area. Broad, high-grade zones of 20 to 30 metre widths, grade over 2,000 ppm of Total Rare Earth Oxides (TREO) and these typically occur within circa 80 metre zones of mineralisation that grade over 1,000 ppm TREO. The valuable magnet rare earths (MREO) make up an average of 23 percent of the material which grades over 1,000 ppm TREO. A stand-out feature of the project is the very, low prevalence of thorium and uranium.

Jupiter enjoys a myriad of benefits on account of the significant surrounding infrastructure. The project is less than 10km from the bitumen highway that runs between Mount Magnet and Geraldton, providing easy access to local labour centres, the Port at Geraldton and the mid-west gas pipeline that runs parallel to the highway. A unique benefit is that the project is in proximity to Lynas' Mt Weld project and their rare earths concentrator which is currently under construction. Iluka are also planning a rare earth refinery at Eneabba which is within easy driving distance of the site. The driving time from site to Perth is just six hours, and a short two-and-a-half hours to Geraldton.

The broader Brothers Project, which includes Jupiter, currently consists of a total strategic landholding of approximately 1,356 km^2 of granted tenure with additional 435km^2 of licences under application, all situated on pastoral leases. The terrain at Jupiter is flat, sparsely vegetated and facilitates year-round access.

Authorised by the Board of Critica Limited.

Philippa Leggat
Managing Director

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Visit Critica Limited's InvestorHub to sign up and engage with the Team

CONTACT US

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COMPETENT PERSONS STATEMENT

Competent Persons Statement The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Dr. Stuart Owen who is a Member of the Australian Institute of Geoscientists. Dr. Owen is a permanent employee of Critica Limited 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. Dr. Owen 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:

- New Rare Earth Discovery Jupiter Satellite – 17 September 2024
- Another Record Drilling Result – 57m @ 3,430ppm TREO – 17 July 2024
- Best Drill Intersection to date – 58m @ 2,723ppm TREO – 17 June 2024
- 8m @ 5,716ppm TREO- Jupiter Drilling Continues to Outperform – 5 June 2024
- Drilling Delivers More Record REE Intersections at Jupiter – 23 May 2024
- Jupiter-more outstanding REE hits up to 60 m over 2000 ppm – 16 April 2024
- Strategic Acquisition Adjacent to Jupiter REE Discovery – 22 March 2024
- 300 Drillhole Program Commences at Jupiter – 15 March 2024
- Jupiter Continues to Deliver with Record NdPr over 5,000 ppm – 8 March 2024
- Jupiter delivers record drill hit of 48 m @ 3,025 ppm TREO – 9 February 2024
- Jupiter Delivers over 7,000 ppm TREO from Maiden RC Drilling – 29 November 2023
- Massive new REE Target at Brothers with up to 3,969 ppm TREO – 9 November 2023
- VMS makes High Grade clay hosted REE discover at Brothers – 1 August 2023
- Venture set to drill at the Iron Duke High Grade REE Project –18 May 2023
- JV into Neighbouring REE project with 49m @ 1313ppm TREO – 9 May 2023

Notes

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 oxide

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Figure 2 | BRAC346-355 and BRAC367 Cross Sections for regional satellite discoveries.

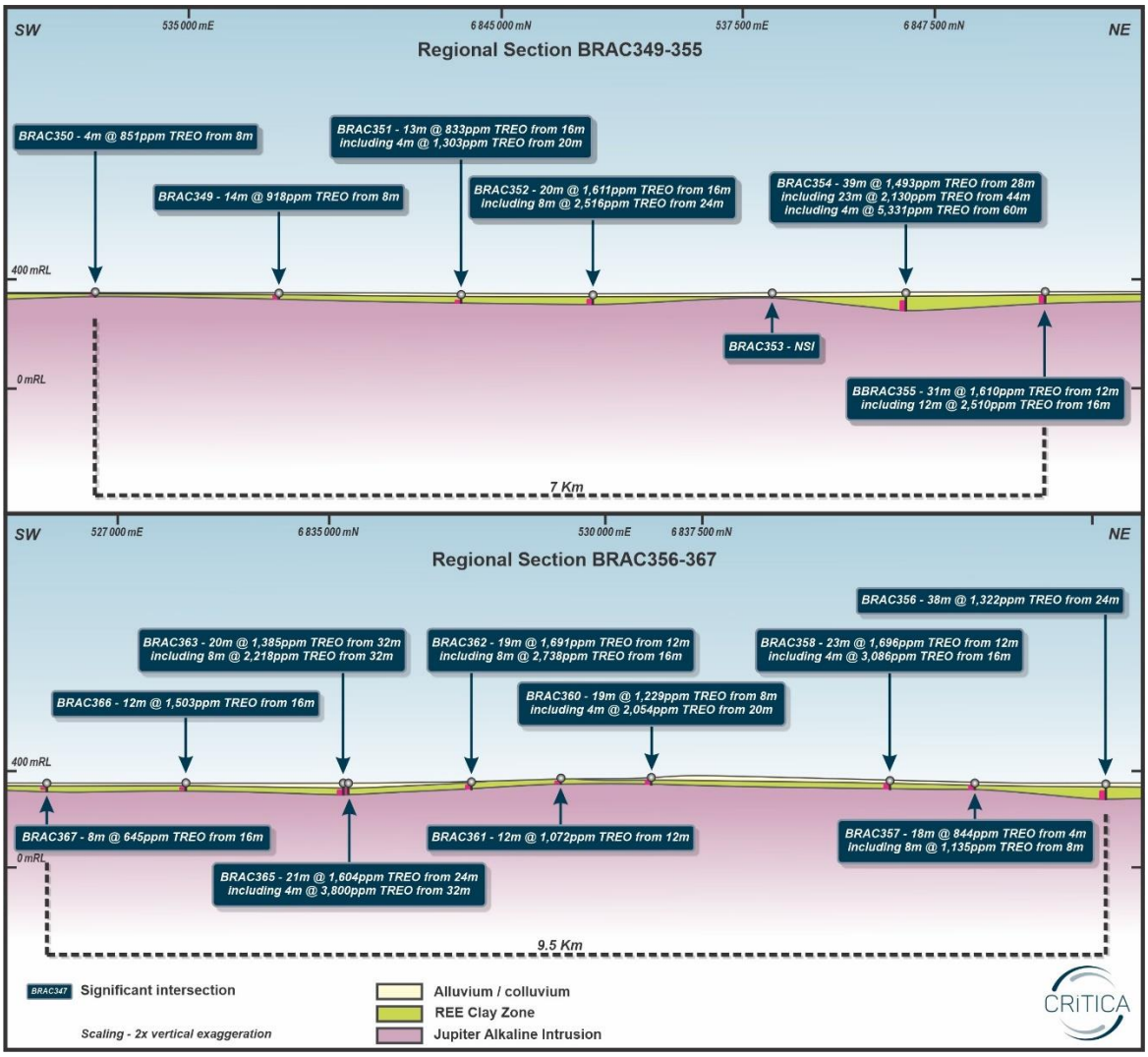

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Table One: Brothers clay-hosted REE Project – Air Core drill hole locations and significant intersections

Hole No.	East MGA Zone 50 GDA94 m	North MGA Zone 50 GDA94 m	EOH m	From m	To m	Interval m	TREO ppm	MREO ppm	MREO/ TREO	Pr_6O_1 ppm	Nd_2O_3 ppm	Tb_4O_7 ppm	Dy_2O_3 ppm
BRAC333	562239	6848978	8			NSI							
BRAC334	548723	6841030	39			NSI							
BRAC335	548697	6842977	48			NSI							
BRAC336	548642	6845000	66			NSI							
BRAC337	548590	6846992	9			NSI							
BRAC338	548582	6848979	4			NSI							
BRAC339	555112	6854424	51	28	51	23	1307	281	21%	64	205	2	10
BRAC340	554103	6855078	58	16	58	42	1135	241	21%	58	174	2	8
including				8	16	8	2170	460	21%	112	332	3	13
and				52	58	6	2144	508	24%	112	375	4	18
BRAC341	553130	6854764	35			NSI							
BRAC342	552113	6854364	55	28	36	8	729	143	20%	34	103	1	6
BRAC343	539357	6841702	43	36	43	7	917	179	20%	44	130	1	5
BRAC344	540106	6842700	68	52	68	16	1049	209	20%	50	153	1	6
BRAC345	540819	6843413	41			NSI							
BRAC346	539681	6843378	58	36	58	22	1017	199	20%	49	144	1	5
BRAC347	538698	6843338	61	24	61	37	829	163	20%	41	118	1	4
including				28	40	12	1132	221	20%	57	158	1	5
BRAC348	537696	6843298	36	16	36	20	1472	242	16%	60	175	1	5
including				24	32	8	2539	359	14%	87	263	2	8
BRAC349	535396	6843721	22	8	22	14	918	148	16%	38	106	1	3
BRAC350	533577	6843434	17	8	12	4	851	139	16%	32	102	1	5
BRAC351	537181	6844018	29	16	29	13	833	143	17%	38	101	1	3
including				20	24	4	1303	221	17%	60	156	1	5
BRAC352	537555	6844956	36	16	36	20	1611	348	22%	81	257	2	9
including				24	32	8	2516	570	23%	129	423	3	15
BRAC353	538071	6846217	13			NSI							
BRAC354	538447	6847166	67	28	67	39	1493	345	23%	80	253	2	11
including				44	67	23	2130	509	24%	115	376	3	15
including				60	64	4	5331	1498	28%	312	1130	10	47
BRAC355	538836	6848156	43	12	43	31	1610	322	20%	76	237	2	8
including				16	28	12	2510	477	19%	114	351	2	11
BRAC356	533991	6838978	62	24	62	38	1322	254	19%	62	186	1	5
BRAC357	532579	6838696	23	4	22	18	844	154	18%	39	112	1	3
including				8	16	8	1135	209	18%	53	152	1	4
BRAC358	531155	6838913	35	12	35	23	1696	307	18%	75	225	1	6
including				16	20	4	3086	552	18%	135	405	2	10
BRAC359	529065	6839054	24			NSI							
BRAC360	529104	6837998	27	8	27	19	1229	229	19%	57	167	1	4
including				20	24	4	2054	360	18%	91	262	2	6
BRAC361	529162	6836997	24	12	24	12	1072	201	19%	49	147	1	4
BRAC362	529223	6836000	31	12	31	19	1691	279	16%	73	201	1	5
including				16	24	8	2738	432	16%	114	310	2	7
BRAC363	527993	6835614	52	32	52	20	1385	240	17%	61	174	1	5
including				32	40	8	2218	366	17%	95	263	1	7
BRAC364	526982	6835840	3			NSI							
BRAC365	528849	6834993	45	24	45	21	1604	304	19%	74	223	1	6
including				32	36	4	3800	686	18%	162	507	3	14
BRAC366	527919	6834002	31	16	28	12	1503	289	19%	74	209	1	5
BRAC367	527301	6833015	36	16	24	8	645	117	18%	29	85	1	3
BRAC368	526738	6831999	7			NSI							

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 Three for complete REE assay listing. NSI = no significant intersection Intersections are made up of 4 m composite sample results with the bottom of the hole sample results a miixture of 2 m, 3 m, 5 m and 6 m composite sample results.

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Table Two: Brothers clay-hosted REE Project Air Core 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
BRAC333	0	4	4	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	60	<10
BRAC333	4	8	4	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC334	0	4	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	4	8	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC334	8	12	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC334	12	16	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	16	20	4	na	<12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	30	<10
BRAC334	20	24	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	24	28	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	28	32	4	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	32	36	4	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC334	36	39	3	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	0	4	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC335	4	8	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC335	8	12	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC335	12	16	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	16	20	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	20	24	4	na	<12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	24	28	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	28	32	4	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	32	36	4	na	94	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC335	36	40	4	na	82	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	40	44	4	na	59	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC335	44	48	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	0	4	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	4	8	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	8	12	4	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	12	16	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	16	20	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	20	24	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	24	28	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	28	32	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	32	36	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	36	40	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC336	40	44	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	44	48	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	48	52	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	52	56	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	56	60	4	na	35	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC336	60	64	4	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10

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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
BRAC336	64	66	2	na	23	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC337	0	4	4	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC337	4	9	5	na	47	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC338	0	4	4	na	70	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10
BRAC339	12	16	4	435	121	208	18	54	6	1.2	3.7	0.6	2.5	0.5	1.5	0.2	1.5	0.2	16	30	3
BRAC339	16	20	4	511	165	173	35	101	11	1.8	5.1	0.6	2.5	0.4	1.2	0.2	1.1	0.2	13	34	2
BRAC339	28	32	4	690	269	170	41	128	16	3	10.9	1.4	7.1	1.4	3.2	0.4	2.3	0.4	37	16	2
BRAC339	32	36	4	1367	375	580	71	226	29	5.4	16.3	1.9	8.9	1.6	3.9	0.5	2.7	0.4	46	51	2
BRAC339	36	40	4	1642	340	887	68	215	29	5	16	2.1	10	1.8	4.7	0.7	3.7	0.5	59	50	3
BRAC339	40	44	4	1292	266	634	65	213	29	5.4	16.1	2	9.4	1.5	3.8	0.5	2.8	0.4	44	24	4
BRAC339	44	48	4	1596	351	752	78	259	35	6.5	21.1	2.7	12.8	2.3	5.6	0.8	4.5	0.6	66	32	5
BRAC339	48	51	3	1241	277	534	56	189	27	5.4	19.5	2.7	13.5	2.8	8	1.1	6.3	1	97	33	4
BRAC340	16	20	4	2521	805	1020	130	389	47	8.8	26.3	3.2	14.1	2.4	5.7	0.7	4	0.5	64	28	4
BRAC340	20	24	4	1818	584	717	93	275	37	6.7	22	2.7	12.5	2.2	5.1	0.7	3.5	0.5	57	32	5
BRAC340	24	28	4	107	26	41	5	15	3	0.7	2.4	0.4	2.1	0.4	1.2	0.2	1.2	0.2	10	51	3
BRAC340	28	32	4	259	88	83	14	43	7	1.3	4.4	0.6	2.6	0.5	1.2	0.2	0.9	0.1	13	45	3
BRAC340	32	36	4	737	296	262	35	93	11	1.9	6.8	0.9	4.5	0.8	1.9	0.3	1.6	0.3	22	57	3
BRAC340	36	40	4	814	394	188	44	115	13	2.5	10.1	1.4	6.8	1.2	2.8	0.4	2.1	0.3	33	47	2
BRAC340	40	44	4	362	157	82	21	61	7	1.4	5.5	0.7	3.7	0.7	1.7	0.3	1.5	0.3	20	38	2
BRAC340	44	48	4	1310	455	553	61	163	19	3.1	10.4	1.4	6	1.1	2.8	0.4	2.5	0.4	33	42	3
BRAC340	48	52	4	771	181	375	35	111	15	2.7	8.9	1.2	5.9	1.1	2.8	0.4	2.3	0.4	30	24	2
BRAC340	52	56	4	1986	536	796	104	336	45	7.9	26.9	3.5	17.2	3.3	8.4	1.2	7	1.1	94	40	4
BRAC340	56	58	2	2459	611	989	130	452	63	11.6	36.8	4.4	20.4	3.7	9.5	1.3	8	1.1	118	56	5
BRAC342	24	28	4	532	140	239	24	76	11	2.1	6.6	0.9	4.2	0.8	2.1	0.3	1.6	0.2	24	16	3
BRAC342	28	32	4	700	188	312	32	97	14	2.5	8.6	1.1	5.7	1.1	2.7	0.4	2.1	0.3	34	21	5
BRAC342	32	36	4	757	223	322	36	109	14	2.7	8.5	1.1	5.3	1	2.4	0.3	2	0.3	30	22	5
BRAC343	36	40	4	709	184	343	35	101	14	2.3	6.6	0.8	3.8	0.6	1.5	0.2	1.1	0.1	17	20	2
BRAC343	40	43	3	1195	360	533	56	167	22	4.2	13.1	1.5	6.5	1.1	2.2	0.3	1.3	0.2	27	22	2
BRAC344	52	56	4	934	246	431	46	142	18	2.7	9.7	1.1	5.2	0.9	2.3	0.3	1.8	0.3	27	24	1
BRAC344	56	60	4	997	244	495	46	141	18	2.7	10.3	1.2	5.5	1	2.4	0.3	1.8	0.3	29	21	1
BRAC344	60	64	4	1332	380	613	62	185	22	3.4	11.6	1.4	6.7	1.3	3.2	0.4	2.6	0.4	40	30	1
BRAC344	64	68	4	933	232	440	45	142	18	3.1	9.5	1.2	5.5	1	2.8	0.4	2.3	0.3	31	22	1
BRAC345	32	36	4	433	134	216	19	51	5	1.1	2.3	0.2	0.8	0.1	0.3	0	0.2	0	3	32	2
BRAC345	36	41	5	407	142	193	17	43	5	0.9	2.1	0.2	0.8	0.2	0.4	0	0.2	0	4	27	2
BRAC346	36	40	4	1479	393	693	73	214	26	4.4	13.6	1.7	8	1.4	3.7	0.5	2.8	0.4	45	30	2
BRAC346	40	44	4	1017	252	484	50	151	18	3.3	9.8	1.3	5.8	1.1	3	0.4	2.4	0.4	35	24	2
BRAC346	44	48	4	912	228	427	43	134	17	3	9.5	1.2	6	1.1	3	0.4	2.4	0.4	37	25	2
BRAC346	48	52	4	1002	272	500	48	133	14	2.1	6.8	0.8	3.4	0.6	1.5	0.2	1.2	0.2	19	27	1
BRAC346	52	56	4	800	215	389	38	108	13	2	6.9	0.8	4	0.7	1.7	0.2	1.4	0.2	20	19	2
BRAC346	56	58	2	762	204	363	35	104	13	2.2	7.1	1	4.2	0.8	2	0.3	1.5	0.2	24	21	2
BRAC347	24	28	4	547	232	155	33	87	10	2.1	5.4	0.7	3.2	0.5	1.3	0.2	0.9	0.1	15	40	2

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BRAC347	28	32	4	1650	529	728	86	229	25	4.7	11.8	1.5	6.5	1	2.2	0.3	1.4	0.2	25	45	3
BRAC347	32	36	4	876	234	422	45	130	15	3	6.8	0.8	3.7	0.5	1.4	0.2	0.9	0.1	14	24	2
BRAC347	36	40	4	871	221	436	41	116	14	2.7	8.1	1	4.7	0.8	2	0.3	1.5	0.2	22	37	3
BRAC347	40	44	4	509	125	257	24	72	8	2.1	4.5	0.6	2.5	0.4	1	0.1	0.9	0.1	12	31	2
BRAC347	44	48	4	826	177	452	34	107	14	2.8	8	1	4.5	0.8	1.9	0.3	1.6	0.3	22	83	3
BRAC347	48	52	4	816	172	441	36	115	15	2.9	8	1	4.1	0.7	1.8	0.2	1.4	0.2	18	46	3
BRAC347	52	56	4	711	158	371	34	101	13	2.8	6.9	0.8	3.7	0.6	1.6	0.2	1.3	0.2	16	30	3
BRAC347	56	61	5	691	157	335	34	108	14	2.9	7.7	0.9	4.4	0.7	1.9	0.3	1.8	0.3	22	23	2
BRAC348	8	12	4	495	191	141	31	90	11	1.9	5.1	0.6	3.3	0.5	1.4	0.2	1.5	0.2	18	71	1
BRAC348	12	16	4	357	142	110	21	56	7	1.4	3.5	0.4	2.3	0.4	0.9	0.1	0.7	0.1	12	37	1
BRAC348	16	20	4	830	365	208	56	145	15	2.8	7.4	1	4.4	0.7	1.8	0.3	1.4	0.2	22	45	1
BRAC348	20	24	4	523	202	181	30	79	8	1.7	4.1	0.5	2.4	0.4	1.1	0.1	0.9	0.1	13	30	1
BRAC348	24	28	4	1797	506	818	96	283	31	5.3	13.6	1.6	6.9	1.1	2.7	0.4	2	0.3	30	33	3
BRAC348	28	32	4	3281	357	2493	77	243	30	5.6	14.8	1.8	8.2	1.5	3.8	0.6	3.3	0.5	43	28	6
BRAC348	32	36	4	930	219	462	41	126	15	3.1	8.7	1.2	5.6	1	3.2	0.5	2.9	0.5	42	27	5
BRAC349	4	8	4	500	214	169	28	65	6	1.3	3.2	0.4	1.9	0.3	0.8	0.1	0.6	0.1	9	23	1
BRAC349	8	12	4	1036	252	618	39	96	10	2	4.6	0.6	2.4	0.4	1.1	0.1	0.8	0.1	10	27	1
BRAC349	12	16	4	728	181	366	34	99	12	2.5	6.1	0.8	3.7	0.6	1.7	0.2	1.1	0.1	20	32	1
BRAC349	16	20	4	906	194	524	37	102	12	2.7	5.9	0.8	3.4	0.6	1.6	0.2	1.4	0.2	20	28	2
BRAC349	20	22	2	1087	219	616	48	148	18	3.4	8	0.9	4	0.7	1.7	0.2	1.4	0.2	18	29	2
BRAC350	8	12	4	851	174	485	32	102	14	3.2	8.8	1	4.9	0.9	2	0.3	1.6	0.2	23	17	2
BRAC350	12	17	5	735	193	302	42	129	18	3.7	10	1.2	5.2	0.9	2.1	0.3	1.8	0.2	27	19	2
BRAC351	16	20	4	583	184	287	25	63	7	1.3	3.1	0.4	1.8	0.3	0.7	0.1	0.6	0.1	8	54	2
BRAC351	20	24	4	1303	373	657	60	156	16	3.4	8.2	1.2	4.9	0.8	1.8	0.2	1.3	0.1	20	60	3
BRAC351	24	29	5	657	178	312	31	87	10	2	5.9	0.8	3.7	0.6	1.8	0.2	1.4	0.2	23	30	3
BRAC352	16	20	4	621	203	287	29	74	8	1.5	3.6	0.5	2.3	0.4	1	0.1	1	0.2	10	39	2
BRAC352	20	24	4	983	238	483	48	148	18	3.4	9.3	1.2	5.5	0.9	2.3	0.3	1.8	0.2	24	46	2
BRAC352	24	28	4	1978	508	907	100	321	38	7.2	21.2	2.4	11.8	2	4.5	0.5	3.3	0.4	51	46	2
BRAC352	28	32	4	3053	662	1474	158	526	61	11.6	32.2	3.8	18.4	3	7.5	1	5.9	0.9	89	40	2
BRAC352	32	36	4	1421	352	691	69	219	25	4.7	12.9	1.4	6.9	1.1	2.7	0.3	2.2	0.3	33	39	2
BRAC354	16	20	4	478	283	49	30	76	7	1.7	6.2	0.7	3.8	0.6	1.5	0.1	0.9	0.1	18	21	1
BRAC354	20	24	4	272	138	55	17	42	5	1	3	0.3	1.8	0.3	0.8	0.1	0.6	0.1	9	21	1
BRAC354	24	28	4	287	139	70	16	41	4	0.9	2.7	0.4	2	0.3	0.9	0.1	0.8	0.1	10	21	2
BRAC354	28	32	4	511	211	162	28	72	8	1.7	4.8	0.6	3.1	0.6	1.4	0.1	1	0.1	17	34	2
BRAC354	32	36	4	548	213	185	30	78	9	2.1	5.4	0.7	3.6	0.6	1.5	0.2	1.1	0.2	18	38	1
BRAC354	36	40	4	591	211	236	29	74	8	1.8	5.3	0.7	3.5	0.6	1.6	0.2	1.3	0.2	19	36	1
BRAC354	40	44	4	656	214	268	31	86	10	2.4	6.7	0.9	4.3	0.8	2.3	0.2	1.6	0.3	27	35	1
BRAC354	44	48	4	1088	304	513	51	146	17	3.3	9.7	1.3	6.1	1	2.7	0.3	1.8	0.3	31	34	2
BRAC354	48	52	4	1448	442	630	76	213	24	4	12.5	1.5	6.9	1.2	3	0.4	2.1	0.3	32	33	3
BRAC354	52	56	4	1944	587	780	112	325	38	6.4	19.7	2.4	11.3	1.8	4.6	0.5	3.3	0.4	53	37	1
BRAC354	56	60	4	1449	310	740	65	205	27	4.7	15	1.9	10	1.9	4.9	0.6	3.7	0.5	60	36	2

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BRAC354	60	64	4	5331	920	2339	312	1130	158	29.1	82.2	9.9	47.4	8.2	23	3.4	23.8	3.4	243	30	1
BRAC354	64	67	3	1318	266	680	58	188	24	4.4	14.9	1.7	8.7	1.7	4.7	0.6	4.3	0.7	59	22	1
BRAC355	12	16	4	670	190	281	38	120	13	2.3	5.8	0.6	3.1	0.5	1.4	0.1	1	0.1	13	17	1
BRAC355	16	20	4	1654	404	837	74	241	30	5.4	15.6	1.6	8.4	1.2	2.9	0.3	1.8	0.2	30	21	1
BRAC355	20	24	4	2205	583	1140	96	276	30	5.7	18.1	2.1	9.5	1.5	3.6	0.3	2	0.2	37	27	1
BRAC355	24	28	4	3672	865	1922	172	534	61	10.7	29.9	3.2	14.2	2.1	4.9	0.6	3.3	0.4	51	22	2
BRAC355	28	32	4	1105	262	542	55	166	19	3.1	10.1	1.2	6	1.1	3	0.4	2.5	0.4	35	19	3
BRAC355	32	36	4	1156	264	577	56	175	21	3.6	11.3	1.3	6.6	1.2	2.8	0.3	2.2	0.3	34	23	1
BRAC355	36	40	4	1225	273	597	61	200	24	4.1	13.3	1.6	7.4	1.3	3.1	0.4	2.3	0.3	37	22	1
BRAC355	40	43	3	1055	242	512	51	164	21	3.5	12	1.4	6.8	1.2	2.9	0.4	2.4	0.4	35	19	1
BRAC356	16	20	4	457	182	157	23	65	8	1.8	4.6	0.6	2.4	0.4	1.1	0.1	0.9	0.2	12	18	1
BRAC356	20	24	4	491	228	144	25	64	7	1.6	4.3	0.4	2.4	0.4	1.2	0.1	1	0.1	13	30	1
BRAC356	24	28	4	1223	503	418	66	173	17	3.4	9.3	1	4.8	0.9	1.9	0.2	1.6	0.2	24	71	2
BRAC356	28	32	4	1618	569	571	94	273	30	5.6	15.7	1.9	8.6	1.5	3.6	0.5	3	0.4	42	82	3
BRAC356	32	36	4	1358	319	744	59	175	19	3	8.7	1	4.6	0.8	2	0.3	1.5	0.2	20	54	2
BRAC356	36	40	4	1886	428	1083	78	223	24	4	10.3	1.2	5.3	0.8	2.2	0.3	1.8	0.3	25	50	2
BRAC356	40	44	4	1584	351	882	67	209	22	4.3	10.7	1.2	5.6	1	2.7	0.3	2	0.3	26	49	2
BRAC356	44	48	4	1174	291	588	55	170	19	3.9	9.6	1.1	4.8	0.8	2.3	0.3	2	0.3	26	46	2
BRAC356	48	52	4	1107	271	548	52	166	19	3.7	9.6	1.1	4.9	0.9	2.3	0.3	2	0.3	26	43	1
BRAC356	52	56	4	1173	308	562	55	170	20	3.9	10.4	1.2	5.6	1	2.6	0.4	2.1	0.3	31	47	1
BRAC356	56	60	4	1050	280	510	48	149	16	3.5	9.1	1	4.6	0.9	2.3	0.3	1.8	0.3	24	39	1
BRAC356	60	62	2	768	202	372	36	109	12	2.7	6.8	0.7	3.7	0.7	1.6	0.2	1.5	0.2	20	34	1
BRAC357	4	8	4	514	141	282	20	54	5	1.1	2.3	0.3	1.2	0.2	0.5	0.1	0.5	0	5	26	1
BRAC357	8	12	4	1202	330	625	56	150	15	3	6.4	0.7	3	0.4	1.1	0.1	0.8	0.1	11	46	1
BRAC357	12	16	4	1067	267	543	50	153	17	3.5	8.4	1	4	0.7	1.6	0.2	1.2	0.2	17	43	2
BRAC357	16	20	4	704	175	341	33	104	12	2.7	7.3	0.9	3.9	0.7	1.7	0.3	1.6	0.2	20	34	2
BRAC357	20	22	2	624	159	311	30	89	10	2	4.5	0.5	2.5	0.4	1.2	0.2	0.9	0.2	14	32	1
BRAC358	12	16	4	2134	589	1102	90	261	27	5.6	13.5	1.5	6.3	1	2.5	0.3	1.8	0.3	33	82	2
BRAC358	16	20	4	3086	888	1517	135	405	43	8.2	20.8	2.4	10.1	1.6	3.8	0.5	2.4	0.3	49	38	3
BRAC358	20	24	4	1510	414	736	66	208	22	4.3	12.3	1.4	6.3	1.1	2.8	0.4	2.2	0.3	34	36	4
BRAC358	24	28	4	1631	422	820	78	231	21	3.2	9.8	1.1	4.8	1	2.8	0.4	2.2	0.3	33	66	2
BRAC358	28	32	4	864	233	416	38	117	13	2.7	6.7	0.8	3.3	0.7	2.1	0.3	1.7	0.3	28	37	1
BRAC358	32	35	3	704	189	345	32	99	11	2.3	5.3	0.6	2.7	0.5	1.2	0.2	1.1	0.2	15	29	2
BRAC359	20	24	4	432	121	228	18	50	5	1.4	2.2	0.2	1.1	0.2	0.5	0.1	0.4	0.1	5	18	1
BRAC360	8	12	4	620	175	303	29	82	9	1.6	4.4	0.5	2.1	0.4	1	0.1	1	0.1	12	43	1
BRAC360	12	16	4	1017	262	512	47	141	16	3.1	7.8	0.9	3.9	0.6	1.8	0.3	1.4	0.2	20	71	2
BRAC360	16	20	4	1240	326	623	59	171	19	3.7	8.9	1	4.3	0.7	2	0.3	1.4	0.2	20	61	2
BRAC360	20	24	4	2054	602	1016	91	262	28	5.6	13.1	1.5	6.1	1	2.1	0.3	1.5	0.2	24	48	3
BRAC360	24	27	3	1206	296	597	58	183	21	4.1	10.5	1.2	5.2	0.9	2.1	0.3	1.9	0.3	26	31	3
BRAC361	12	16	4	1513	435	734	68	196	21	3.9	10.9	1.3	6	1	2.6	0.4	1.9	0.2	31	73	3
BRAC361	16	20	4	741	196	359	35	106	12	2.7	6.8	0.8	3.1	0.6	1.6	0.2	1.3	0.2	17	25	2

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BRAC361	20	24	4	962	248	472	45	139	16	3.1	8.3	1	4.3	0.8	2	0.3	1.6	0.2	22	30	3
BRAC362	0	4	4	451	211	105	27	75	7	1.6	5	0.5	2.5	0.5	1.3	0.1	1	0.2	15	36	1
BRAC362	4	8	4	357	147	88	24	70	8	2	3.9	0.4	2.1	0.4	1	0.1	0.8	0.1	11	35	1
BRAC362	8	12	4	353	134	126	17	51	6	1.5	3.6	0.4	1.9	0.3	0.9	0.1	0.7	0.1	10	38	1
BRAC362	12	16	4	527	190	214	26	68	7	1.9	4.4	0.5	2.3	0.4	1.1	0.1	1	0.2	11	23	1
BRAC362	16	20	4	2348	721	1147	110	287	28	5	12	1.4	6.1	1	2.4	0.3	1.6	0.3	25	40	2
BRAC362	20	24	4	3128	601	1971	118	333	33	6.2	15.3	1.8	8.2	1.4	3.2	0.4	2.4	0.4	34	67	3
BRAC362	24	28	4	1154	259	640	50	152	16	3.4	7.1	0.8	3.8	0.6	1.7	0.2	1.4	0.2	19	27	2
BRAC362	28	31	3	1166	311	598	54	156	15	3.3	7	0.8	3.3	0.6	1.3	0.1	1	0.1	15	30	2
BRAC363	32	36	4	2414	673	1271	100	272	29	6.4	13.9	1.6	6.8	1.1	2.9	0.4	2	0.3	34	66	2
BRAC363	36	40	4	2022	579	1005	90	255	26	5.8	12.6	1.4	6.4	1.1	2.8	0.4	2.2	0.3	34	47	2
BRAC363	40	44	4	1143	296	565	54	163	18	3.9	9.1	1	4.5	0.8	2	0.3	1.6	0.2	26	33	2
BRAC363	44	48	4	592	157	292	28	81	9	2.1	4.6	0.6	2.5	0.4	1.2	0.1	1.1	0.1	14	23	2
BRAC363	48	52	4	756	202	382	34	99	11	2.5	5.4	0.5	2.7	0.5	1.1	0.1	1	0.1	15	29	2
BRAC365	20	24	4	446	198	150	23	53	6	1.1	2.9	0.4	2.1	0.3	1	0.1	0.9	0.1	9	32	1
BRAC365	24	28	4	1213	378	491	70	203	20	3.7	9.8	1	4.9	0.9	2.3	0.3	1.9	0.3	26	44	1
BRAC365	28	32	4	1225	279	659	56	165	19	3.4	8.8	1	4.5	0.8	2.1	0.3	1.8	0.3	24	40	2
BRAC365	32	36	4	3800	741	2192	162	507	55	10.6	27	2.9	13.6	2.5	6.3	0.9	5.6	0.8	72	39	2
BRAC365	36	40	4	1374	310	734	60	178	20	4	11.1	1.3	6.4	1.3	3.8	0.5	3.3	0.5	40	33	2
BRAC365	40	45	5	647	162	312	31	94	11	2.3	6	0.6	3.7	0.6	1.8	0.2	1.7	0.2	21	24	1
BRAC366	12	16	4	458	134	228	21	58	6	1.3	2.5	0.2	1	0.1	0.5	0	0.4	0	6	32	1
BRAC366	16	20	4	1842	510	944	86	243	23	4	9.6	0.9	3.5	0.5	1.4	0.1	1	0.1	16	76	2
BRAC366	20	24	4	1065	263	543	54	152	17	3.7	8.2	0.9	4.2	0.6	1.6	0.2	1.3	0.2	17	23	3
BRAC366	24	28	4	1602	409	796	81	234	27	6	12.5	1.4	6.2	1	2.2	0.3	1.7	0.2	25	22	3
BRAC367	16	20	4	690	192	346	30	83	10	2.3	5.5	0.7	3.1	0.5	1.3	0.2	1	0.1	14	26	3
BRAC367	20	24	4	600	154	291	28	86	10	2.3	5.6	0.7	3.3	0.6	1.3	0.1	1	0.1	16	15	3
BRAC367	24	28	4	472	120	231	22	68	8	1.7	3.9	0.4	2.2	0.3	1	0.1	0.8	0.1	13	15	3
BRAC368	0	4	4	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	<20	<10
BRAC368	4	7	3	na	12	na	na	na	na	na	na	na	na	na	na	na	na	na	na	20	<10

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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
Table 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.	• Assay results for some 36 reconnaissance Air Core (AC) drill holes for 1307 m are being reported. The holes were drilled to test clay-hosted REE targets within the Brothers REE Project. • The AC drill cuttings were collected from the drill rig cyclone in 1 m intervals and arranged in rows on site for assay sampling. Composite samples typically representing 4 m intervals (range 2 to 6 m) 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 36 holes drilled with a KL 150 AC rig operated by KTE Mining Services Pty Ltd. • The AC drilling was conducted with a 90mm blade and holes were drilled to blade refusal in near fresh rock.
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 AC samples were visually assessed and considered representative with good recovery. • Most of the holes encountered water which only locally impacted sample recovery.
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 exploration and resource definition drilling.
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 between 1.2 to 3.4 kg with an average of averaged 2.3 kg. Sample sizes is considered appropriate for the material sampled. • Commercial assay standards were included in the laboratory submittals at a rate of c. 1 per 20 samples. • Field duplicate samples were collected at a rate of c. 1 per hole. • The average 4 m sample lengths are considered appropriate for the observed mineralisation.

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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-25a). • 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) and 4 acid digest (nitric, perchloric, hydrofluoric & hydrochloric) with ICP-AES finish for a 34 element suite including La (ALS method ME-ICP61). • 95% of the client assay standards reported within 10% of the REE+Y certified reference values for the range of interest (>1 ppm).
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 part of a reconnaissance nature drilled along existing pastoral station tracks on c. 1 to 2 km spacings within the prioritised target areas. • The assay results reported here are for 2 to 6 m intervals composited from the bulk 1 m AC 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 c. 1 per c. 20 samples was used to evaluate sampling error and is considered acceptable for such exploration and resource drilling.

Criteria	JORC Code explanation	Commentary
		• The new drilling results are compatible with Venture Minerals' previously reported RC and AC drilling results.

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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 currently consists of granted Exploration Licences E59/2421, E59/2463, E59/2710, E59/2711, E59/2819, E59/2820, E59/2821, E59/2827, E59/2889, E59/2890 and E59/2907, and applications E59/2927, E59/2928, E59/2929 and E59/2930. All are 100% held by Tasmanian Rare Earth Pty Ltd a wholly owned subsidiary of Venture Minerals.
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 suite).
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 1. • 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, 1 August 2023, 16 April 2024, 23 May 2024* and *5 June 2024* 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 2. • 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 1 and 2 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	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with	• The intersected clay and saprolite zones blanket weathered granitoid basement such that downhole thickness approximate true thickness.

Criteria	JORC Code explanation	Commentary
intercept lengths	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').	
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 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. • Refer to *ASX Announcements 9 May 2023, 9 November 2023* and *16 April 2024* for significant historic drill holes, geochemical results and geophysical survey information. • The project is part of an ongoing grid-based resource drill out and bulk density, geotechnical, hydrogeological and metallurgical work have yet to be completed.
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 reconnaissance drill test satellite targets within the Brothers REE Project. • Venture is currently conducting mineralogy to guide appropriate metallurgical test work. • Appropriate exploration maps and plans are included in this release.

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