BRAZILIAN CRITICAL MINERALS

EXTENSIVE IONIC RARE EARTH MINERALISATION CONTINUES TO BE DEFINED BY DRILLING AT THE EMA PROJECT

Highlights

- **High grade mineralisation now defined over an area of 7.8km^2**
- **Multiple holes with >1000 ppm TREO**
- **Exceptional and persistent NdPr high grades up to 620ppm**
- **MREO:TREO ratio is very high >30% in many places**
- **Mineralisation now confirmed over the entire 46 km^2 tested to date**
- **Assays still pending for another 36 km^2, deposit remains open in all directions**
- **Mineral Resource estimate scheduled for late Q1**

Significant results:

- 8m**@1098ppm TREO** from 6m (TR-096), including 5m@**1327ppm** TREO ending in **1478ppm** TREO
- 10m**@1069ppm TREO** from 11m (TR-091), including 5m@**1300ppm** TREO ending in **1329ppm** TREO
- 7m**@1149ppm TREO** from 10m (TR-101), including 5m@**1354ppm** TREO ending in **1526ppm** TREO
- 7m**@1038ppm TREO** from 7m (TR-102), including 5m@**1120ppm** TREO ending in **898ppm** TREO
- 10m@**1059ppm TREO** from 10m (TR-110) including 5m@**1202ppm** TREO ending in **941ppm** TREO
- 8m**@921ppm TREO** from 10m (TR-092), including 3m**@1436ppm** TREO ending in **1880ppm** TREO
- 6m@**892ppm TREO** from 11m (TR-081), including 3m@**1164ppm** TREO ending in **1218ppm** TREO
- 6m@**932ppm TREO** from 8m (TR-089), including 3m@**1070ppm** TREO ending in **1005ppm** TREO
- 10m@**926ppm TREO** from 9m (TR-093) including 5m@**1141ppm** TREO ending in **714ppm** TREO

Brazilian Critical Minerals Limited (**ASX: BCM**) ("**BCM**" or the "**Company**") is pleased to announce the assay results for the second batch of auger holes drilled on 800 metre centres for rare earth elements (REEs) at Ema in the Apuí region of Brazil (Figure 1).

A 7.8 km^2 zone with outstanding TREO grades and exceptional values for NdPr oxides defined, one of many high-grade zones within this major and widespread ionic rare earth deposit, which remains open in all directions (Figure 2).

The marked concentration of high-grade zones at the base of the regolith profile highlights the potential to increase the overall average mineralised grade through deeper drilling. The entire enriched zone, is contained within the 10 metres of regolith sitting above the saprock/fresh rock interface, with a clear increase in grades with depth (Figure 3).

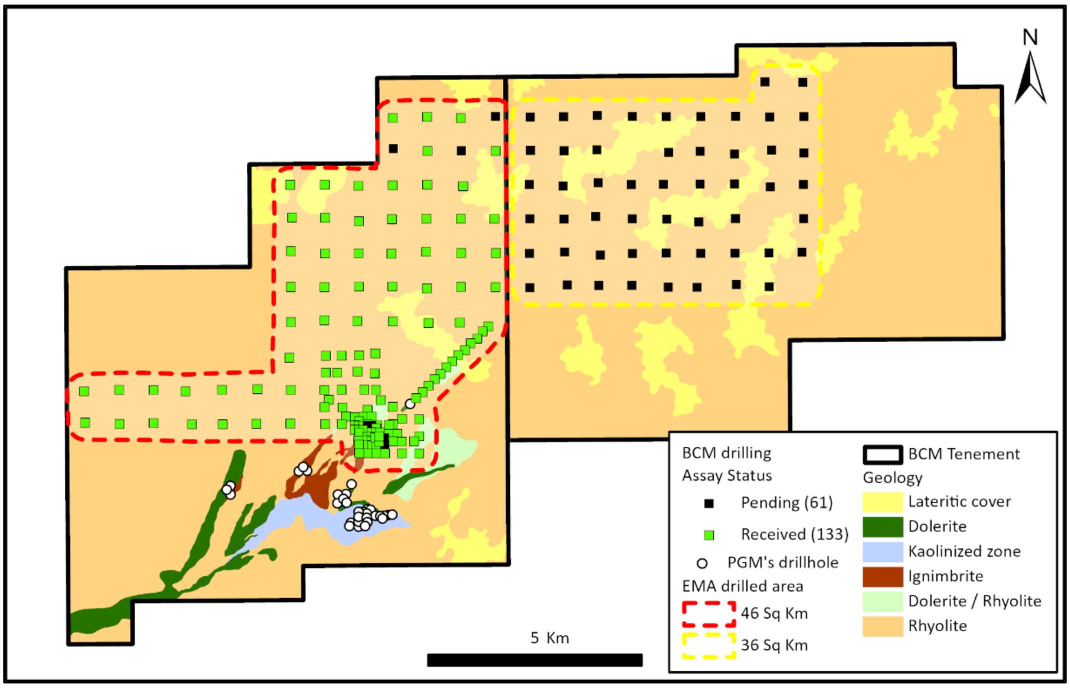

Figure 1 - Ema-Ema East REE project – auger holes on 800m centres and infill drilling status over 82 km^2

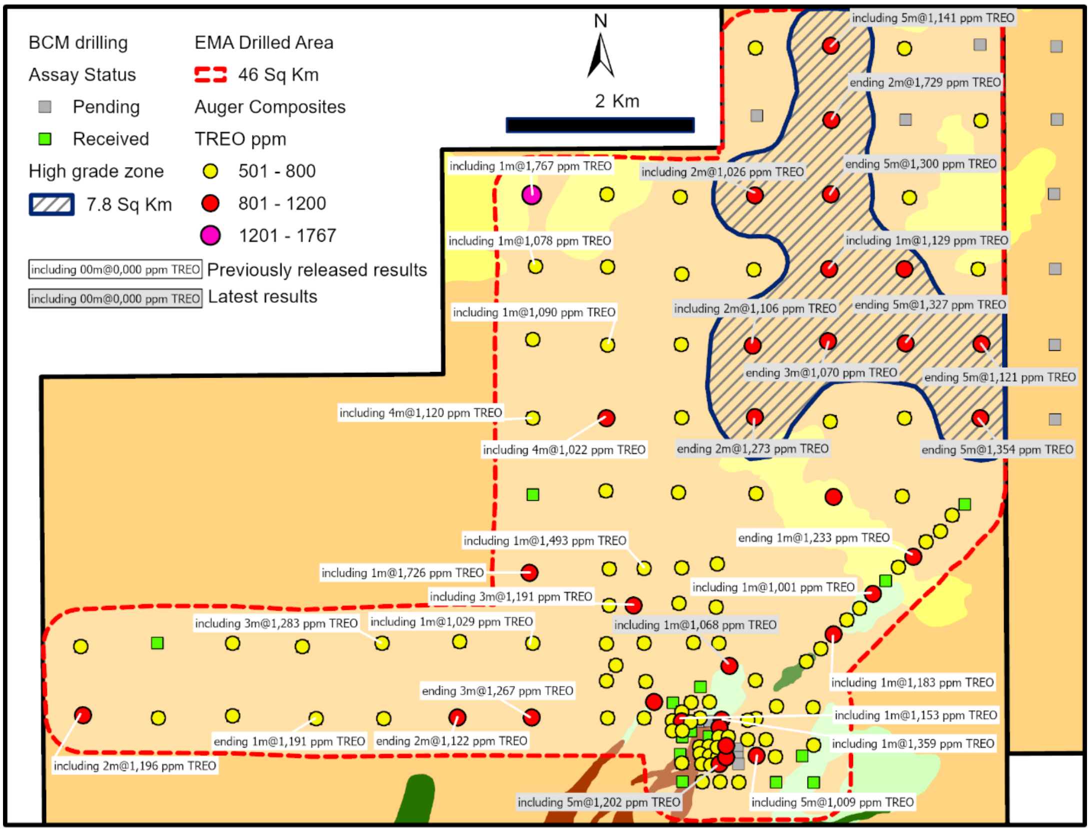

Figure 2 - EMA TREO composite grade distribution

The Ema-Ema East iREE project comprises 189 km2 of felsic volcanic over which 194 auger holes totalling 2,749 metres have been completed to date, covering 82 km2 (Figure 1). BCM has received and announced the full assay results for 133 holes of the total of 194 holes drilled to date.

Ema REE project

The EMA iREE project (Ema and Ema East leases) is unique amongst Brazilian REE projects in that it shares almost identical characteristics with the iREE deposits developed over felsic volcanic rocks in southwest China, the world´s largest known ionic clay region.

Exploration drilling was conducted with hand-held augers to date, which offer the advantage of low-cost, rapid deployment and mobility. Exploration to date has been conducted across the hill slopes, on widely spaced (800m) centres, with limited drilling in the valleys and foothills, potentially facilitating deeper penetration into the higher-grade zones, where preserved.

NdPr enrichment is encountered at approximately the same depth, in the saprolite zone immediately above the fresh rock. The enriched zone is a minimum of 5 metres thick (Figure 3). Widespread mineralisation of rare earth results at the base of the drilling, has been encountered in holes 800m apart forming continuous high grade zones. Additionally, the TREO grade increases significantly with increasing depth from around 500ppm to up to 1,880ppm over the space of 10m downhole. Importantly, the proportion of valuable heavy rare earth elements also increases to over 31% at the end of hole.

BCM Chairman Ken Kluksdahl commented “These highly encouraging results further confirm the presence of consistent high grade iREE values over a large area in a region with good infrastructure, close to a regional urban centre and with very strong community support.”

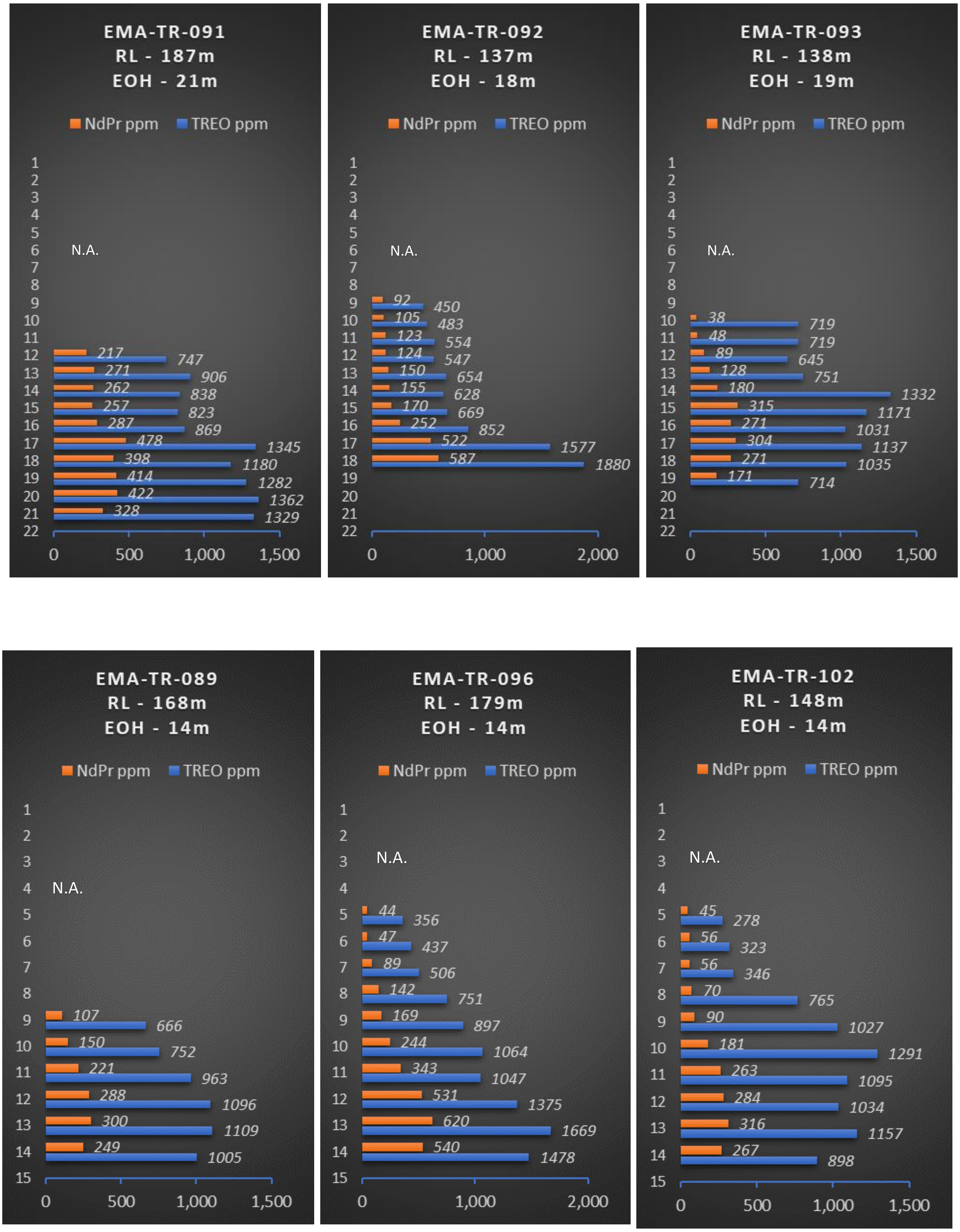

Figure 3 – Drill-hole profiles showing typical enrichment zone with high grade NdPr closer to the fresh rock.

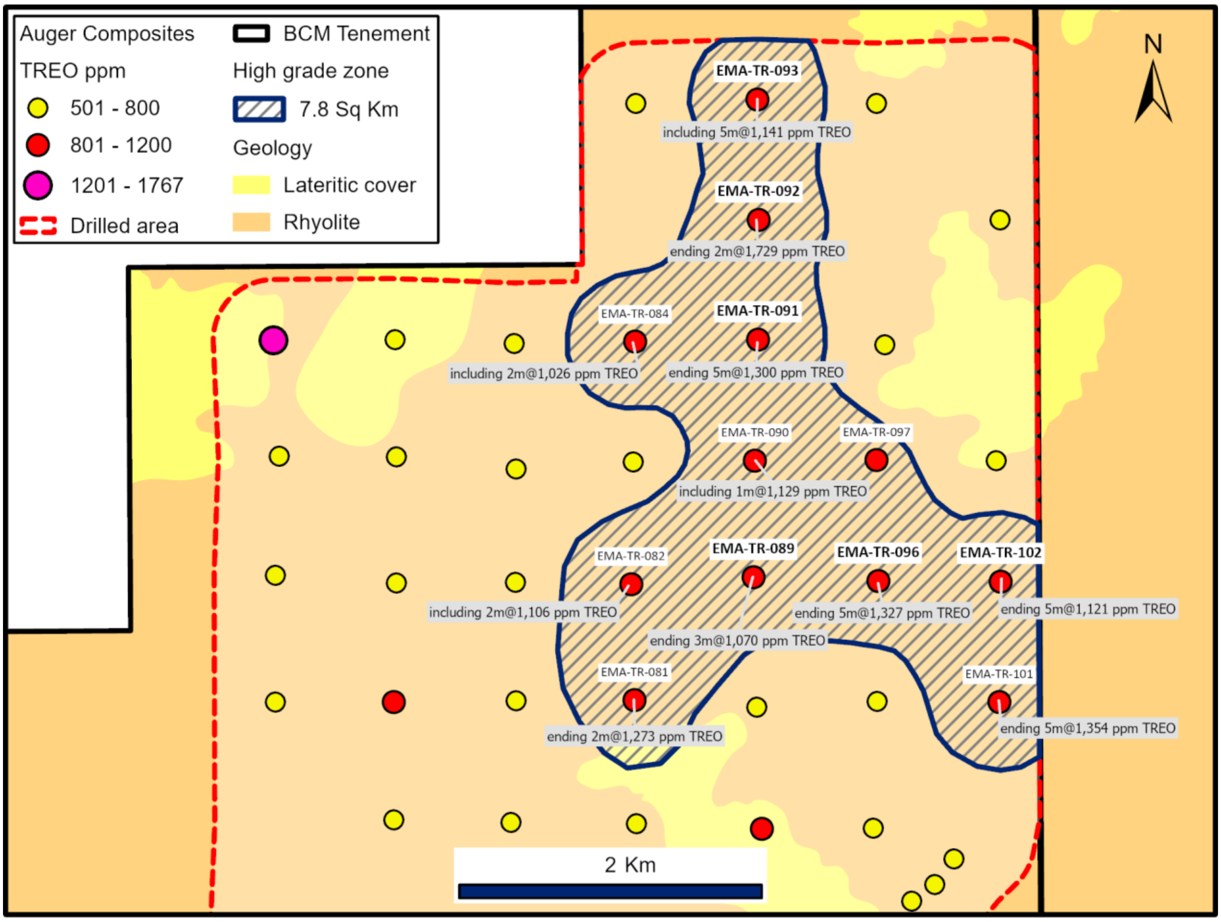

Figure 4 -Location map of auger holes in the high-grade zone with TREO values >1,000

Exploration strategy and future work at Ema/Ema East

Regional program to collect specific densities data for the upcoming MRE is in progress.

Processing of assay results received and commence additional assays via ammonium sulphate leaching on all relevant intersections to support the MRE.

Conduct a full suite of metallurgical tests on a representative sample at ANSTO, Sydney

Additionally, follow up in the next drilling season (May-December 2024) of the highest-grade zones identified during drilling to date and an infill drilling programme to upgrade the MRE.

This announcement has been authorised for release by the Board of Directors.

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About Brazilian Critical Minerals Ltd

Brazilian Critical Minerals Limited (BCM) is a unique mineral exploration and mineral processing technology company listed on the Australian Securities Exchange.

Its major exploration focus is Brazil, mainly in the southern Amazon, a region BCM believes is vastly underexplored with high potential for the discovery of world class gold-PGM, base metal and Ionic Adsorbed Clay (IAC) Rare Earth Element deposits. BCM's key assets are the Três Estados and Ema gold-PGM projects and the iREE projects at Ema, Ema East and Apui. The company has 718km² of exploration tenements within the Colider Group and adjacent sediments, a prospective geological environment for gold, PGM, base metal and iREE deposits.

BCM is also developing an environmentally friendly and sustainable beneficiation process to extract precious metals using a unique bio leach process. This leading-edge process, that extracts precious metals naturally, is being developed initially for the primary purpose of economically extracting Platinum Group metals from the Três Estados mineral deposit. It is expected that such technology will be transferable and relevant to many other PGM projects. BCM believes that this processing technology is critical in the environmentally timely PGM space and supports a societal need to move towards a carbon neutral economy.

Competent Person Statement

The information in this report that relates to exploration results is based on information compiled by Mr. Antonio de Castro, BSc (Hons), MAusIMM, CREA, who acts as BCM´s Senior Consulting Geologist through the consultancy firm, ADC Geologia Ltda. Mr. de Castro has sufficient experience which is relevant to the type of deposit under consideration and to the reporting of exploration results and analytical and metallurgical test work to qualify as a competent person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Castro consents to the report being issued in the form and context in which it appears.

References

1. BBX Minerals Limited (ASX:BBX) ASX Announcement "Assays by Ammonium Sulphate Leach Confirm Adsorbed Clay REE" on 19.07.23

2. BBX Minerals Limited (ASX:BBX) ASX Announcement "Drilling at Ema continues to deliver positive REE results" on 19.10.23

3. BBX Minerals Limited (ASX:BBX) ASX Announcement "BBX extends rare earth mineralization at Ema to 7km x 6km" on 07.12.23

Appendices

Appendix 1 – BCM´s rare earth projects

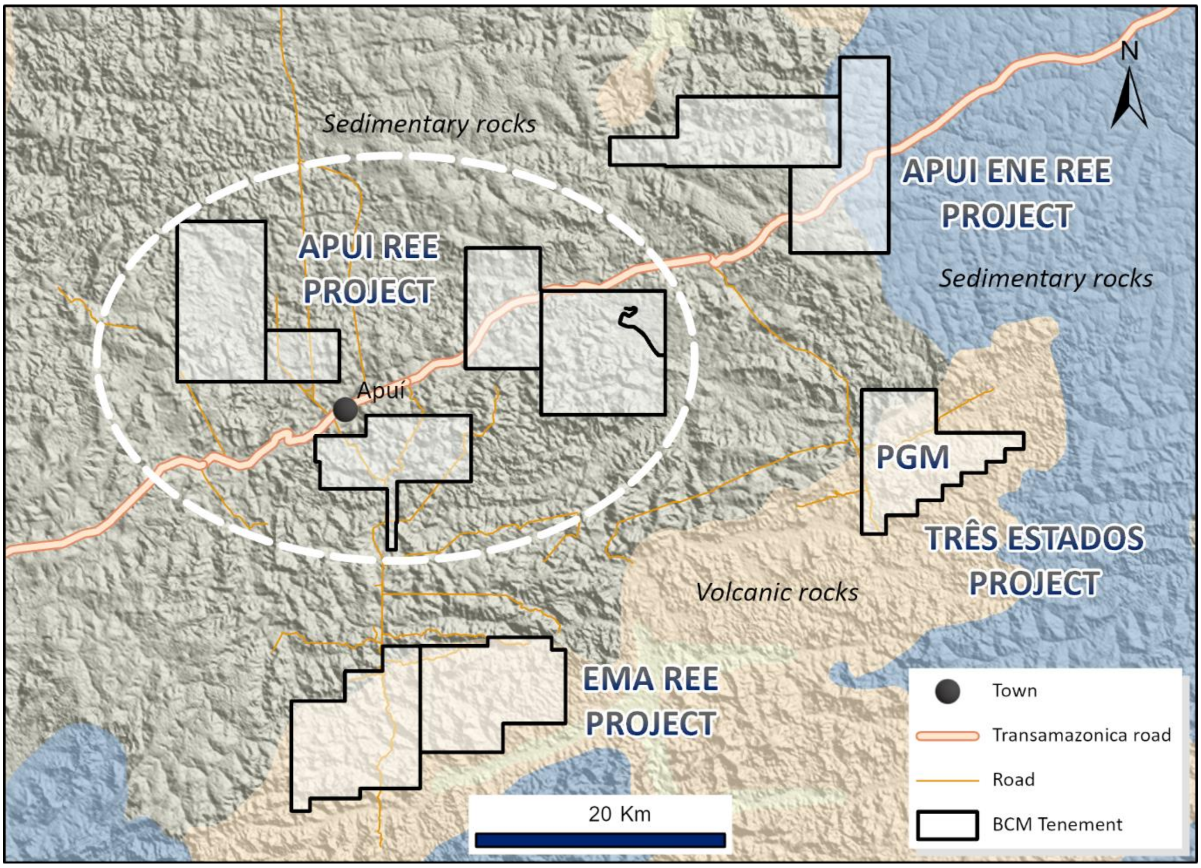

Figure 4 - BCM´s REE projects

Appendix 2 – Auger hole intersections >500ppm TREO cut-off grade

Auger hole	From (m)	Interval (metres)	TREO ppm	% HREO[1]	% MREO[2]	NdPr ppm	DyTb ppm
EMA-TR-073	5	8	656	16	26	157	10
EMA-TR-074	23	5	532	25	23	110	13
EMA-TR-075	15	8	646	21	23	140	13
EMA-TR-076	10	5	709	18	18	119	13
EMA-TR-077	7	9	672	16	18	115	11
EMA-TR-078	4	10	584	18	20	106	10
EMA-TR-079	11	5	602	17	24	134	10
EMA-TR-080	11	7	621	27	26	148	16
EMA-TR-081	7	2	646	16	6	33	11
EMA-TR-081	11	6	892	21	28	246	18

[1] HREO (Heavy Rare Earth Oxide) = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Y2O3 + Lu2O3
[2] MREO (Magnetic Rare Earth Oxide) = Tb4O7 + Dy2O3 + Nd2O3 + Pr6O11

Auger hole	From (m)	Interval (metres)	TREO ppm	% HREO[1]	% MREO[2]	NdPr ppm	DyTb ppm
EMA-TR-082	7	4	893	10	9	67	10
EMA-TR-082	13	3	730	17	24	163	12
EMA-TR-083	8	7	631	20	23	130	12
EMA-TR-084	1	9	867	17	22	183	14
EMA-TR-086	9	3	570	25	19	93	14
EMA-TR-087	6	2	802	22	25	183	16
EMA-TR-088	11	9	667	22	25	152	14
EMA-TR-089	8	6	932	20	25	219	17
EMA-TR-090	10	6	856	20	27	224	15
EMA-TR-091	11	10	1,068	19	33	333	20
EMA-TR-092	10	8	920	20	28	260	21
EMA-TR-093	9	10	925	23	21	182	20
EMA-TR-094	11	1	571	28	28	144	16
EMA-TR-095	3	1	578	11	3	13	6
EMA-TR-095	10	2	520	20	14	66	12
EMA-TR-096	6	8	1,098	16	30	335	17
EMA-TR-097	11	1	934	7	10	88	6
EMA-TR-098	6	6	698	15	19	127	10
EMA-TR-100	7	2	560	22	24	122	12
EMA-TR-100	11	1	569	22	25	130	12
EMA-TR-101	13	7	1,149	28	31	325	34
EMA-TR-102	7	7	1,038	17	22	210	16
EMA-TR-103	9	1	517	17	11	47	9
EMA-TR-103	14	5	710	20	26	179	14
EMA-TR-104	1	1	505	17	6	21	9
EMA-TR-104	4	3	738	17	19	138	13
EMA-TR-106	11	8	739	15	25	169	10
EMA-TR-107	9	1	1,107	18	34	358	21
EMA-TR-108	15	6	867	23	30	246	19
EMA-TR-110	10	10	1,059	24	30	290	25
EMA-TR-111	6	7	744	23	30	212	16
EMA-TR-112	5	9	618	19	18	100	12
EMA-TR-113	7	1	554	18	20	99	10
EMA-TR-114	6	4	631	17	18	107	12
EMA-TR-115	8	2	569	20	17	84	13
EMA-TR-115	14	4	671	16	17	104	12
EMA-TR-116	11	3	755	15	16	105	11
EMA-TR-117	14	3	525	21	21	97	12
EMA-TR-118	2	6	766	25	23	155	20
EMA-TR-119	10	9	671	26	25	153	18
EMA-TR-120	6	8	672	24	21	127	16
EMA-TR-124	16	5	688	18	21	133	12
EMA-TR-126	8	7	849	19	21	168	16
EMA-TR-132	6	3	895	25	32	259	24
EMA-TR-134	11	6	723	21	19	119	14
EMA-TR-135	16	2	655	18	18	108	11
EMA-TR-138	14	3	547	17	17	82	9
EMA-TR-140	9	3	782	14	13	83	10
EMA-TR-141	6	1	538	18	9	39	10
EMA-TR-142	5	3	622	19	20	110	12

Auger hole	From (m)	Interval (metres)	TREO ppm	% HREO[1]	% MREO[2]	NdPr ppm	DyTb ppm
EMA-TR-143	8	6	595	19	18	98	11
EMA-TR-145	14	10	743	20	31	215	13
EMA-TR-146	9	6	674	17	24	158	11
EMA-TR-147	1	1	650	16	16	96	11
EMA-TR-147	4	3	837	17	26	206	13
EMA-TR-149	9	2	532	18	16	76	9
EMA-TR-151	6	4	558	18	20	105	10
EMA-TR-152	2	2	582	17	19	100	10
EMA-TR-153	4	3	589	11	7	33	6
EMA-TR-156	5	3	944	18	22	193	18

Appendix 3 – Total REE oxide distribution down-hole

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-073	0	1	197	34	13	19	7	
EMA-TR-073	1	2	236	25	13	25	6	
EMA-TR-073	2	3	286	20	12	29	6	
EMA-TR-073	3	4	307	20	18	48	6	
EMA-TR-073	4	5	481	16	24	107	8	
EMA-TR-073	5	6	554	15	22	**113**	8	656
EMA-TR-073	6	7	630	15	27	**162**	9	
EMA-TR-073	7	8	680	14	26	**167**	9	
EMA-TR-073	8	9	590	13	25	**142**	7	
EMA-TR-073	9	10	626	15	28	**165**	9	
EMA-TR-073	10	11	556	17	28	**144**	9	
EMA-TR-073	11	12	825	16	23	**181**	12	
EMA-TR-073	12	13	783	19	25	**181**	14	
EMA-TR-074	0	21	N.A.					
EMA-TR-074	21	22	412	26	22	80	11	
EMA-TR-074	22	23	491	23	23	101	12	
EMA-TR-074	23	24	538	24	23	**111**	13	532
EMA-TR-074	24	25	560	24	23	**116**	13	
EMA-TR-074	25	26	510	24	23	**105**	11	
EMA-TR-074	26	27	512	27	23	**104**	13	
EMA-TR-074	27	28	538	26	23	**112**	13	
EMA-TR-074	28	29	494	26	23	103	13	
EMA-TR-074	29	30	465	27	23	97	12	
EMA-TR-074	30	31	452	28	23	94	12	
EMA-TR-075	0	13	N.A.					
EMA-TR-075	13	14	444	23	16	60	10	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-075	14	15	484	20	16	69	10	
EMA-TR-075	15	16	557	19	18	90	10	646
EMA-TR-075	16	17	560	19	18	92	11	
EMA-TR-075	17	18	563	20	20	**103**	10	
EMA-TR-075	18	19	620	19	23	**132**	11	
EMA-TR-075	19	20	587	21	22	**120**	12	
EMA-TR-075	20	21	698	22	25	**163**	14	
EMA-TR-075	21	22	811	27	29	**213**	20	
EMA-TR-075	22	23	773	22	28	**204**	16	
EMA-TR-076	0	7	N.A.					
EMA-TR-076	7	8	287	34	8	13	10	
EMA-TR-076	8	9	368	32	8	20	12	
EMA-TR-076	9	10	404	26	9	24	11	
EMA-TR-076	10	11	528	20	8	34	11	709
EMA-TR-076	11	12	762	15	13	90	12	
EMA-TR-076	12	13	801	17	19	**142**	13	
EMA-TR-076	13	14	750	19	24	**167**	14	
EMA-TR-076	14	15	703	20	25	**164**	14	
EMA-TR-077	0	6	N.A.					
EMA-TR-077	6	7	378	21	8	24	7	
EMA-TR-077	7	8	528	14	8	35	7	672
EMA-TR-077	8	9	508	15	11	48	8	
EMA-TR-077	9	10	794	11	10	72	9	
EMA-TR-077	10	11	769	12	16	**112**	9	
EMA-TR-077	11	12	708	14	19	**128**	10	
EMA-TR-077	12	13	637	16	20	**116**	10	
EMA-TR-077	13	14	610	19	23	**128**	11	
EMA-TR-077	14	15	748	21	28	**192**	15	
EMA-TR-077	15	16	745	22	30	**204**	16	
EMA-TR-078	0	4	N.A.					
EMA-TR-078	4	5	637	13	10	54	9	584
EMA-TR-078	5	6	544	19	15	72	11	
EMA-TR-078	6	7	518	17	17	81	9	
EMA-TR-078	7	8	494	16	17	76	8	
EMA-TR-078	8	9	522	19	21	98	10	
EMA-TR-078	9	10	625	18	22	**126**	12	
EMA-TR-078	10	11	615	19	21	**118**	11	
EMA-TR-078	11	12	587	17	21	**111**	10	
EMA-TR-078	12	13	672	18	26	**162**	11	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-078	13	14	628	20	28	**162**	12	
EMA-TR-079	0	6	N.A.					
EMA-TR-079	6	7	220	38	18	32	9	
EMA-TR-079	7	8	238	32	19	36	9	
EMA-TR-079	8	9	273	29	18	42	8	
EMA-TR-079	9	10	387	23	20	68	8	
EMA-TR-079	10	11	410	20	21	77	8	
EMA-TR-079	11	12	526	18	23	**109**	10	602
EMA-TR-079	12	13	599	17	23	**126**	10	
EMA-TR-079	13	14	571	16	24	**126**	10	
EMA-TR-079	14	15	590	16	24	**134**	10	
EMA-TR-079	15	16	726	16	25	**174**	11	
EMA-TR-080	0	11	N.A.					
EMA-TR-080	11	12	709	24	28	**187**	16	621
EMA-TR-080	12	13	653	27	28	**169**	16	
EMA-TR-080	13	14	692	27	28	**176**	18	
EMA-TR-080	14	15	676	30	26	**159**	18	
EMA-TR-080	15	16	622	27	27	**153**	16	
EMA-TR-080	16	17	480	28	21	90	13	
EMA-TR-080	17	18	517	28	23	**105**	14	
EMA-TR-080	18	19	481	25	23	99	11	
EMA-TR-081	0	7	N.A.					
EMA-TR-081	7	8	592	17	7	32	11	646
EMA-TR-081	8	9	701	15	6	34	11	
EMA-TR-081	9	10	487	18	14	59	9	
EMA-TR-081	10	11	451	17	15	62	7	
EMA-TR-081	11	12	595	20	22	**117**	12	892
EMA-TR-081	12	13	622	20	23	**129**	13	
EMA-TR-081	13	14	642	22	26	**156**	14	
EMA-TR-081	14	15	948	20	32	**281**	18	
EMA-TR-081	15	16	1,328	21	33	**414**	26	
EMA-TR-081	16	17	1,218	22	33	**381**	26	
EMA-TR-082	0	6	N.A.					
EMA-TR-082	6	7	282	23	6	9	7	
EMA-TR-082	7	8	1,149	7	6	63	10	893
EMA-TR-082	8	9	1,062	8	6	57	9	
EMA-TR-082	9	10	749	11	10	67	10	
EMA-TR-082	10	11	611	16	15	82	11	
EMA-TR-082	11	12	1	0	0	0	0	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-082	12	13	493	18	22	101	8	
EMA-TR-082	13	14	530	19	25	**124**	9	730
EMA-TR-082	14	15	705	18	26	**169**	13	
EMA-TR-082	15	16	954	15	22	**195**	14	
EMA-TR-083	0	6	N.A.					
EMA-TR-083	6	7	439	20	8	25	10	
EMA-TR-083	7	8	369	23	9	27	8	
EMA-TR-083	8	9	530	18	13	57	10	631
EMA-TR-083	9	10	802	17	18	**132**	14	
EMA-TR-083	10	11	569	20	22	**114**	12	
EMA-TR-083	11	12	534	21	23	**112**	11	
EMA-TR-083	12	13	692	20	27	**171**	13	
EMA-TR-083	13	14	677	24	31	**195**	14	
EMA-TR-083	14	15	615	23	24	**132**	13	
EMA-TR-084	0	1	283	28	16	38	8	
EMA-TR-084	1	2	638	16	14	78	11	867
EMA-TR-084	2	3	811	11	11	80	9	
EMA-TR-084	3	4	857	12	14	**109**	10	
EMA-TR-084	4	5	749	14	18	**125**	10	
EMA-TR-084	5	6	953	12	18	**157**	12	
EMA-TR-084	6	7	782	17	27	**199**	13	
EMA-TR-084	7	8	1,019	21	32	**310**	19	
EMA-TR-084	8	9	1,032	24	33	**316**	23	
EMA-TR-084	9	10	961	24	30	**271**	21	
EMA-TR-086	0	7	N.A.					
EMA-TR-086	7	8	395	37	15	47	14	
EMA-TR-086	8	9	486	28	16	65	14	
EMA-TR-086	9	10	517	25	19	88	12	570
EMA-TR-086	10	11	637	25	18	**102**	15	
EMA-TR-086	11	12	555	25	19	90	14	
EMA-TR-087	0	5	N.A.					
EMA-TR-087	5	6	430	26	17	64	11	
EMA-TR-087	6	7	820	20	23	**174**	16	802
EMA-TR-087	7	8	784	23	27	**192**	17	
EMA-TR-088	0	10	N.A.					
EMA-TR-088	10	11	498	19	17	74	9	
EMA-TR-088	11	12	617	16	17	97	10	667
EMA-TR-088	12	13	649	18	27	**163**	11	
EMA-TR-088	13	14	787	17	24	**177**	12	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-088	14	15	705	20	29	**188**	13	
EMA-TR-088	15	16	710	22	28	**186**	14	
EMA-TR-088	16	17	718	24	26	**171**	17	
EMA-TR-088	17	18	706	28	25	**159**	19	
EMA-TR-088	18	19	550	27	23	**114**	14	
EMA-TR-088	19	20	558	27	23	**111**	15	
EMA-TR-089	0	8	N.A.					
EMA-TR-089	8	9	666	18	18	**107**	11	932
EMA-TR-089	9	10	752	18	22	**150**	13	
EMA-TR-089	10	11	963	18	25	**221**	17	
EMA-TR-089	11	12	1,096	21	28	**288**	20	
EMA-TR-089	12	13	1,109	22	29	**300**	22	
EMA-TR-089	13	14	1005	21	27	**249**	19	
EMA-TR-090	0	6	N.A.					
EMA-TR-090	6	7	367	24	8	19	9	
EMA-TR-090	7	8	307	28	10	21	9	
EMA-TR-090	8	9	366	24	11	33	9	
EMA-TR-090	9	10	408	23	15	52	9	
EMA-TR-090	10	11	618	18	21	**121**	11	856
EMA-TR-090	11	12	852	18	25	**203**	13	
EMA-TR-090	12	13	1,129	18	27	**291**	18	
EMA-TR-090	13	14	998	21	31	**296**	19	
EMA-TR-090	14	15	862	22	31	**250**	17	
EMA-TR-090	15	16	680	22	29	**182**	14	
EMA-TR-091	0	11	N.A.					
EMA-TR-091	11	12	747	15	31	**217**	11	1,068
EMA-TR-091	12	13	906	15	31	**271**	13	
EMA-TR-091	13	14	838	15	33	**262**	12	
EMA-TR-091	14	15	823	16	33	**257**	12	
EMA-TR-091	15	16	869	17	35	**287**	14	
EMA-TR-091	16	17	1,345	17	37	**478**	20	
EMA-TR-091	17	18	1,180	19	36	**398**	22	
EMA-TR-091	18	19	1,282	22	34	**414**	27	
EMA-TR-091	19	20	1,362	27	34	**422**	36	
EMA-TR-091	20	21	1,329	25	27	**328**	32	
EMA-TR-092	0	8	N.A.					
EMA-TR-092	8	9	450	21	22	92	9	
EMA-TR-092	9	10	483	19	24	105	9	
EMA-TR-092	10	11	554	16	24	**123**	9	920

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-092	11	12	547	17	24	**124**	9	
EMA-TR-092	12	13	654	16	25	**150**	11	
EMA-TR-092	13	14	628	17	26	**155**	10	
EMA-TR-092	14	15	669	18	27	**170**	11	
EMA-TR-092	15	16	852	21	32	**252**	18	
EMA-TR-092	16	17	1577	27	36	**522**	45	
EMA-TR-092	17	18	1,880	31	34	**587**	57	
EMA-TR-093	0	9	N.A.					
EMA-TR-093	9	10	719	21	8	38	16	925
EMA-TR-093	10	11	719	19	9	48	14	
EMA-TR-093	11	12	645	23	16	89	15	
EMA-TR-093	12	13	751	20	19	**128**	15	
EMA-TR-093	13	14	1,332	15	15	**180**	19	
EMA-TR-093	14	15	1,171	22	29	**315**	24	
EMA-TR-093	15	16	1,031	26	29	**271**	26	
EMA-TR-093	16	17	1,137	28	29	**304**	29	
EMA-TR-093	17	18	1,035	28	29	**271**	26	
EMA-TR-093	18	19	714	28	27	**171**	18	
EMA-TR-094	0	5	N.A.					
EMA-TR-094	5	6	202	13	4	5	2	
EMA-TR-094	6	7	194	13	5	7	2	
EMA-TR-094	7	8	262	12	8	17	3	
EMA-TR-094	8	9	239	15	9	19	3	
EMA-TR-094	9	10	342	22	20	62	7	
EMA-TR-094	10	11	425	24	24	91	10	
EMA-TR-094	11	12	571	28	28	**144**	16	571
EMA-TR-095	0	2	N.A.					
EMA-TR-095	2	3	425	16	6	19	7	
EMA-TR-095	3	4	578	11	3	13	6	578
EMA-TR-095	4	5	428	13	4	11	6	
EMA-TR-095	5	6	254	20	9	17	5	
EMA-TR-095	6	7	182	27	7	8	5	
EMA-TR-095	7	8	190	27	8	9	5	
EMA-TR-095	8	9	270	26	10	20	7	
EMA-TR-095	9	10	430	23	13	46	10	
EMA-TR-095	10	11	528	20	14	64	12	520
EMA-TR-095	11	12	512	21	15	68	12	
EMA-TR-096	0	4	N.A.					
EMA-TR-096	4	5	356	26	15	44	10	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-096	5	6	437	21	13	47	10	
EMA-TR-096	6	7	506	20	20	89	10	1,098
EMA-TR-096	7	8	751	17	21	**142**	12	
EMA-TR-096	8	9	897	14	20	**169**	12	
EMA-TR-096	9	10	1,064	14	24	**244**	15	
EMA-TR-096	10	11	1,047	17	34	**343**	17	
EMA-TR-096	11	12	1,375	16	40	**531**	21	
EMA-TR-096	12	13	1,669	16	39	**620**	26	
EMA-TR-096	13	14	1,478	17	38	**540**	24	
EMA-TR-097	0	3	N.A.					
EMA-TR-097	3	4	275	29	7	10	9	
EMA-TR-097	4	5	213	38	9	12	9	
EMA-TR-097	5	6	206	32	7	8	7	
EMA-TR-097	6	7	210	32	5	4	7	
EMA-TR-097	7	8	252	23	10	18	6	
EMA-TR-097	8	9	181	33	7	6	7	
EMA-TR-097	9	10	358	14	6	14	5	
EMA-TR-097	10	11	268	14	9	21	4	
EMA-TR-097	11	12	934	7	10	88	6	934
EMA-TR-098	0	6	N.A.					
EMA-TR-098	6	7	558	14	17	85	8	698
EMA-TR-098	7	8	505	16	21	98	9	
EMA-TR-098	8	9	695	15	16	**101**	11	
EMA-TR-098	9	10	630	16	19	**112**	10	
EMA-TR-098	10	11	848	12	17	**131**	10	
EMA-TR-098	11	12	954	15	26	**233**	15	
EMA-TR-100	0	3	N.A.					
EMA-TR-100	3	4	489	25	19	79	13	
EMA-TR-100	4	5	448	25	19	71	12	
EMA-TR-100	5	6	493	25	19	83	13	
EMA-TR-100	6	7	481	25	22	94	12	
EMA-TR-100	7	8	563	22	24	123	12	
EMA-TR-100	8	9	557	23	24	121	13	
EMA-TR-100	9	10	429	22	23	88	10	
EMA-TR-100	10	11	468	21	24	102	9	
EMA-TR-100	11	12	569	22	25	**130**	12	569
EMA-TR-101	0	10	N.A.					
EMA-TR-101	10	11	455	22	25	102	10	
EMA-TR-101	11	12	449	23	26	105	10	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-101	12	13	489	23	29	130	11	
EMA-TR-101	13	14	576	23	29	**157**	12	
EMA-TR-101	14	15	701	24	31	**203**	17	
EMA-TR-101	15	16	1,058	24	31	**307**	25	
EMA-TR-101	16	17	1,418	28	33	**437**	39	1,149
EMA-TR-101	17	18	1,382	30	31	**388**	41	
EMA-TR-101	18	19	1,385	33	30	**368**	45	
EMA-TR-101	19	20	1,526	37	31	**415**	57	
EMA-TR-102	0	4	N.A.					
EMA-TR-102	4	5	278	38	21	45	12	
EMA-TR-102	5	6	323	31	21	56	11	
EMA-TR-102	6	7	346	26	19	56	9	
EMA-TR-102	7	8	765	12	10	70	9	
EMA-TR-102	8	9	1,027	9	10	90	10	
EMA-TR-102	9	10	1,291	11	15	**181**	13	
EMA-TR-102	10	11	1,095	17	26	**263**	18	1,038
EMA-TR-102	11	12	1,034	20	29	**284**	19	
EMA-TR-102	12	13	1,157	23	29	**316**	25	
EMA-TR-102	13	14	898	24	32	**267**	20	
EMA-TR-103	0	9	N.A.					
EMA-TR-103	9	10	517	17	11	47	9	517
EMA-TR-103	10	11	328	28	12	30	9	
EMA-TR-103	11	12	291	28	14	32	8	
EMA-TR-103	12	13	280	32	15	33	9	
EMA-TR-103	13	14	408	20	16	58	9	
EMA-TR-103	14	15	506	21	22	**101**	11	
EMA-TR-103	15	16	598	19	25	**141**	11	
EMA-TR-103	16	17	648	18	23	**139**	12	710
EMA-TR-103	17	18	810	20	29	**221**	15	
EMA-TR-103	18	19	990	21	32	**295**	20	
EMA-TR-104	0	1	262	30	9	14	9	
EMA-TR-104	1	2	505	17	6	21	9	505
EMA-TR-104	2	3	434	19	7	23	9	
EMA-TR-104	3	4	446	22	10	34	11	
EMA-TR-104	4	5	665	15	11	64	10	
EMA-TR-104	5	6	618	16	18	**102**	10	738
EMA-TR-104	6	7	931	21	29	**247**	18	
EMA-TR-106	0	9	N.A.					
EMA-TR-106	9	10	423	19	17	63	9	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-106	10	11	480	18	20	88	8	
EMA-TR-106	11	12	510	18	23	106	9	739
EMA-TR-106	12	13	543	17	24	119	9	
EMA-TR-106	13	14	589	15	25	140	9	
EMA-TR-106	14	15	666	15	27	174	9	
EMA-TR-106	15	16	1,523	9	18	260	12	
EMA-TR-106	16	17	834	14	28	222	10	
EMA-TR-106	17	18	612	16	28	161	9	
EMA-TR-106	18	19	634	17	28	167	10	
EMA-TR-107	0	3	N.A.					
EMA-TR-107	3	4	166	40	11	12	7	
EMA-TR-107	4	5	175	43	14	16	8	
EMA-TR-107	5	6	189	44	13	15	9	
EMA-TR-107	6	7	228	38	14	22	9	
EMA-TR-107	7	8	280	32	18	40	10	
EMA-TR-107	8	9	370	30	23	73	11	
EMA-TR-107	9	10	1,107	18	34	**358**	21	1,107
EMA-TR-108	0	11	N.A.					
EMA-TR-108	11	12	430	18	17	66	8	
EMA-TR-108	12	13	489	16	19	83	8	
EMA-TR-108	13	14	472	15	19	84	8	
EMA-TR-108	14	15	452	16	21	88	7	
EMA-TR-108	15	16	547	18	27	**136**	10	867
EMA-TR-108	16	17	719	19	30	**207**	13	
EMA-TR-108	17	18	916	21	33	**285**	17	
EMA-TR-108	18	19	993	23	32	**293**	21	
EMA-TR-108	19	20	1,047	27	32	**305**	27	
EMA-TR-108	20	21	982	29	29	**253**	27	
EMA-TR-110	0	10	N.A.					
EMA-TR-110	10	11	842	16	33	**263**	11	1,059
EMA-TR-110	11	12	956	16	32	**292**	14	
EMA-TR-110	12	13	906	17	33	**281**	14	
EMA-TR-110	13	14	938	18	31	**274**	15	
EMA-TR-110	14	15	1,062	19	32	**317**	19	
EMA-TR-110	15	16	1,047	21	31	**306**	21	
EMA-TR-110	16	17	1,309	25	31	**378**	31	
EMA-TR-110	17	18	1,299	31	28	**329**	39	
EMA-TR-110	18	19	1,291	37	25	**280**	48	
EMA-TR-110	19	20	941	38	23	**180**	37	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-111	0	6	N.A.					
EMA-TR-111	6	7	570	18	27	**146**	9	744
EMA-TR-111	7	8	711	20	32	**212**	13	
EMA-TR-111	8	9	900	22	32	**267**	18	
EMA-TR-111	9	10	949	23	33	**292**	20	
EMA-TR-111	10	11	790	26	33	**238**	19	
EMA-TR-111	11	12	691	25	29	**184**	17	
EMA-TR-111	12	13	600	24	26	**142**	14	
EMA-TR-111	13	14	458	23	23	96	10	
EMA-TR-111	14	15	452	24	23	92	11	
EMA-TR-111	15	16	424	23	22	86	9	
EMA-TR-112	0	4	N.A.					
EMA-TR-112	4	5	486	18	8	28	10	
EMA-TR-112	5	6	507	21	13	56	12	618
EMA-TR-112	6	7	480	23	19	78	12	
EMA-TR-112	7	8	534	21	16	76	12	
EMA-TR-112	8	9	549	18	12	56	11	
EMA-TR-112	9	10	637	16	11	61	11	
EMA-TR-112	10	11	640	17	15	84	12	
EMA-TR-112	11	12	745	18	23	**161**	13	
EMA-TR-112	12	13	773	17	23	**164**	14	
EMA-TR-112	13	14	696	16	26	**167**	11	
EMA-TR-113	0	1	208	41	11	13	9	
EMA-TR-113	1	2	228	38	12	19	9	
EMA-TR-113	2	3	228	31	14	26	7	
EMA-TR-113	3	4	448	20	20	79	9	
EMA-TR-113	4	5	337	21	7	16	8	
EMA-TR-113	5	6	412	20	8	24	9	
EMA-TR-113	6	7	484	16	11	43	8	
EMA-TR-113	7	8	554	18	20	99	10	554
EMA-TR-114	0	1	N.A.					
EMA-TR-114	1	2	390	18	13	45	7	
EMA-TR-114	2	3	468	15	13	52	8	
EMA-TR-114	3	4	473	17	14	55	9	
EMA-TR-114	4	5	396	19	11	35	9	
EMA-TR-114	5	6	483	20	16	65	11	
EMA-TR-114	6	7	568	17	13	65	11	631
EMA-TR-114	7	8	650	16	16	93	12	
EMA-TR-114	8	9	617	17	18	**100**	11	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-114	9	10	690	19	27	**169**	14	
EMA-TR-115	0	8	N.A.					
EMA-TR-115	8	9	531	20	16	71	12	569
EMA-TR-115	9	10	607	20	18	96	14	
EMA-TR-115	10	11	417	21	10	31	10	
EMA-TR-115	11	12	426	22	15	53	11	
EMA-TR-115	12	13	496	19	13	53	11	
EMA-TR-115	13	14	435	20	14	53	10	
EMA-TR-115	14	15	687	16	13	79	12	671
EMA-TR-115	15	16	684	14	14	83	11	
EMA-TR-115	16	17	651	16	18	**106**	12	
EMA-TR-115	17	18	661	19	24	**146**	14	
EMA-TR-116	0	4	N.A.					
EMA-TR-116	4	5	151	55	13	11	9	
EMA-TR-116	5	6	140	56	14	11	9	
EMA-TR-116	6	7	150	61	15	11	11	
EMA-TR-116	7	8	177	55	15	16	11	
EMA-TR-116	8	9	212	45	17	26	11	
EMA-TR-116	9	10	292	35	18	41	11	
EMA-TR-116	10	11	435	24	21	80	11	
EMA-TR-116	11	12	524	20	20	96	11	755
EMA-TR-116	12	13	726	16	19	**126**	12	
EMA-TR-116	13	14	1,016	10	10	93	10	
EMA-TR-117	0	7	N.A.					
EMA-TR-117	7	8	223	37	18	31	9	
EMA-TR-117	8	9	237	33	18	34	8	
EMA-TR-117	9	10	275	29	16	36	9	
EMA-TR-117	10	11	306	29	18	46	9	
EMA-TR-117	11	12	428	21	15	56	10	
EMA-TR-117	12	13	470	22	16	64	11	
EMA-TR-117	13	14	413	22	19	70	10	
EMA-TR-117	14	15	523	21	19	88	11	525
EMA-TR-117	15	16	512	22	21	97	12	
EMA-TR-117	16	17	539	21	22	**107**	12	
EMA-TR-118	0	1	243	28	21	44	7	
EMA-TR-118	1	2	493	19	22	97	10	
EMA-TR-118	2	3	647	17	19	**114**	12	766
EMA-TR-118	3	4	853	17	20	**155**	15	
EMA-TR-118	4	5	822	18	21	**158**	16	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-118	5	6	756	28	25	**171**	21	
EMA-TR-118	6	7	837	36	26	**189**	30	
EMA-TR-118	7	8	681	36	25	**145**	25	
EMA-TR-119	0	9	N.A.					
EMA-TR-119	9	10	482	21	19	83	11	
EMA-TR-119	10	11	538	22	22	**109**	12	
EMA-TR-119	11	12	617	23	25	**138**	14	
EMA-TR-119	12	13	672	23	24	**148**	16	
EMA-TR-119	13	14	609	24	24	**131**	15	
EMA-TR-119	14	15	646	26	26	**154**	17	671
EMA-TR-119	15	16	685	27	27	**166**	18	
EMA-TR-119	16	17	745	28	26	**175**	21	
EMA-TR-119	17	18	803	29	26	**183**	23	
EMA-TR-119	18	19	728	31	26	**169**	22	
EMA-TR-120	0	4	N.A.					
EMA-TR-120	4	5	354	30	16	43	12	
EMA-TR-120	5	6	275	32	14	29	10	
EMA-TR-120	6	7	550	20	13	63	12	
EMA-TR-120	7	8	593	22	18	94	15	
EMA-TR-120	8	9	503	24	18	79	13	
EMA-TR-120	9	10	573	23	21	**107**	14	
EMA-TR-120	10	11	870	16	16	**127**	15	672
EMA-TR-120	11	12	938	23	25	**209**	22	
EMA-TR-120	12	13	530	31	27	**126**	16	
EMA-TR-120	13	14	822	29	28	**208**	23	
EMA-TR-121	0	4	N.A.					
EMA-TR-121	4	5	81	40	19	11	4	
EMA-TR-121	5	6	139	43	14	13	6	
EMA-TR-121	6	7	124	51	15	11	7	
EMA-TR-121	7	8	122	51	15	11	7	
EMA-TR-121	8	9	129	50	16	13	7	
EMA-TR-121	9	10	147	37	18	19	7	
EMA-TR-121	10	11	184	38	18	26	8	
EMA-TR-121	11	12	192	35	19	29	8	
EMA-TR-121	12	13	190	33	19	30	7	
EMA-TR-121	13	14	228	30	21	40	7	
EMA-TR-123	0	1	156	43	12	12	7	
EMA-TR-123	1	2	251	29	7	9	9	
EMA-TR-123	2	3	311	24	5	9	8	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-123	3	4	397	19	5	11	8	
EMA-TR-123	4	5	402	21	8	22	10	
EMA-TR-123	5	6	351	27	11	29	11	
EMA-TR-123	6	7	358	23	12	33	9	
EMA-TR-123	7	8	468	18	13	52	9	
EMA-TR-123	8	9	436	16	13	47	8	
EMA-TR-124	0	11	N.A.					
EMA-TR-124	11	12	307	35	14	30	14	
EMA-TR-124	12	13	492	18	8	27	10	
EMA-TR-124	13	14	474	20	14	57	10	
EMA-TR-124	14	15	481	20	18	77	10	
EMA-TR-124	15	16	466	18	17	70	9	
EMA-TR-124	16	17	537	19	20	96	11	
EMA-TR-124	17	18	533	21	22	103	12	
EMA-TR-124	18	19	684	17	21	132	11	688
EMA-TR-124	19	20	858	15	20	159	13	
EMA-TR-124	20	21	829	17	23	176	15	
EMA-TR-126	0	5	N.A.					
EMA-TR-126	5	6	336	22	21	61	8	
EMA-TR-126	6	7	336	24	17	50	8	
EMA-TR-126	7	8	411	20	15	51	9	
EMA-TR-126	8	9	505	17	17	76	10	
EMA-TR-126	9	10	615	15	14	79	10	
EMA-TR-126	10	11	589	16	19	**103**	11	
EMA-TR-126	11	12	646	19	24	**140**	12	849
EMA-TR-126	12	13	743	22	26	**174**	16	
EMA-TR-126	13	14	1,020	24	27	**257**	23	
EMA-TR-126	14	15	1,824	18	21	**348**	31	
EMA-TR-132	0	1	68	37	18	10	2	
EMA-TR-132	1	2	54	28	19	9	1	
EMA-TR-132	2	3	56	25	20	10	1	
EMA-TR-132	3	4	51	24	22	10	1	
EMA-TR-132	4	5	76	22	22	15	2	
EMA-TR-132	5	6	339	17	25	81	6	
EMA-TR-132	6	7	640	20	31	**188**	12	
EMA-TR-132	7	8	1,119	23	31	**320**	27	895
EMA-TR-132	8	9	927	33	33	**270**	32	
EMA-TR-132	9	10	426	41	28	102	18	
EMA-TR-133	0	1	146	49	17	18	7	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-133	1	2	125	48	17	15	6	
EMA-TR-133	2	3	120	48	16	13	5	
EMA-TR-133	3	4	96	47	17	12	5	
EMA-TR-133	4	5	90	40	17	12	3	
EMA-TR-133	5	6	296	14	7	18	4	
EMA-TR-133	6	7	239	25	18	37	5	
EMA-TR-133	7	8	337	24	19	58	8	
EMA-TR-133	8	9	400	27	23	81	10	
EMA-TR-134	0	7	N.A.					
EMA-TR-134	7	8	184	55	15	18	10	
EMA-TR-134	8	9	304	35	18	44	11	
EMA-TR-134	9	10	318	32	18	45	10	
EMA-TR-134	10	11	449	23	17	65	10	
EMA-TR-134	11	12	813	14	13	98	11	723
EMA-TR-134	12	13	961	13	12	**107**	12	
EMA-TR-134	13	14	683	21	21	**128**	14	
EMA-TR-134	14	15	570	24	22	**113**	13	
EMA-TR-134	15	16	631	26	23	**126**	16	
EMA-TR-134	16	17	679	27	24	**143**	18	
EMA-TR-135	0	8	N.A.					
EMA-TR-135	8	9	227	50	15	21	12	
EMA-TR-135	9	10	161	62	12	10	10	
EMA-TR-135	10	11	158	53	14	14	8	
EMA-TR-135	11	12	286	36	18	41	11	
EMA-TR-135	12	13	293	32	18	45	9	
EMA-TR-135	13	14	372	30	24	81	11	
EMA-TR-135	14	15	363	26	28	91	9	
EMA-TR-135	15	16	448	22	23	94	10	
EMA-TR-135	16	17	680	17	18	**110**	11	655
EMA-TR-135	17	18	630	19	19	**107**	11	
EMA-TR-138	0	7	N.A.					
EMA-TR-138	7	8	191	38	10	12	8	
EMA-TR-138	8	9	261	30	11	20	8	
EMA-TR-138	9	10	316	28	13	30	10	
EMA-TR-138	10	11	198	35	11	15	7	
EMA-TR-138	11	12	252	27	11	20	7	
EMA-TR-138	12	13	219	32	12	19	8	
EMA-TR-138	13	14	355	19	12	36	7	
EMA-TR-138	14	15	588	11	16	90	7	547

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-138	15	16	418	24	21	79	10	
EMA-TR-138	16	17	635	16	14	78	11	
EMA-TR-140	0	2	N.A.					
EMA-TR-140	2	3	128	70	15	9	10	
EMA-TR-140	3	4	113	75	14	7	9	
EMA-TR-140	4	5	112	74	14	7	9	
EMA-TR-140	5	6	119	68	14	9	8	
EMA-TR-140	6	7	135	54	16	14	8	
EMA-TR-140	7	8	212	43	17	27	9	
EMA-TR-140	8	9	250	36	18	37	9	
EMA-TR-140	9	10	659	15	12	68	10	
EMA-TR-140	10	11	1,030	10	9	79	10	782
EMA-TR-140	11	12	658	17	17	**101**	11	
EMA-TR-141	0	1	119	61	16	12	7	
EMA-TR-141	1	2	110	60	16	11	7	
EMA-TR-141	2	3	134	60	16	13	8	
EMA-TR-141	3	4	137	53	18	17	8	
EMA-TR-141	4	5	169	45	18	22	7	
EMA-TR-141	5	6	224	42	17	29	10	
EMA-TR-141	6	7	538	18	9	39	10	538
EMA-TR-141	7	8	440	24	17	63	11	
EMA-TR-142	0	1	124	54	17	14	7	
EMA-TR-142	1	2	114	53	18	13	6	
EMA-TR-142	2	3	144	43	19	21	6	
EMA-TR-142	3	4	217	39	20	35	9	
EMA-TR-142	4	5	306	31	21	55	9	
EMA-TR-142	5	6	591	19	18	94	11	
EMA-TR-142	6	7	645	18	19	**110**	12	622
EMA-TR-142	7	8	631	20	22	**125**	12	
EMA-TR-143	0	4	N.A.					
EMA-TR-143	4	5	189	48	19	26	10	
EMA-TR-143	5	6	171	57	18	20	10	
EMA-TR-143	6	7	198	48	17	24	10	
EMA-TR-143	7	8	447	22	11	40	11	
EMA-TR-143	8	9	528	19	12	55	10	
EMA-TR-143	9	10	567	22	19	94	13	
EMA-TR-143	10	11	584	20	20	**104**	12	595
EMA-TR-143	11	12	628	19	18	**101**	12	
EMA-TR-143	12	13	605	17	20	**109**	10	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-143	13	14	658	17	21	**125**	11	
EMA-TR-144	0	8	N.A.					
EMA-TR-144	8	9	404	16	11	38	5	
EMA-TR-144	9	10	284	27	14	33	6	
EMA-TR-144	10	11	265	27	13	29	5	
EMA-TR-144	11	12	256	29	12	25	5	
EMA-TR-144	12	13	277	25	13	30	5	
EMA-TR-144	13	14	279	25	13	32	5	
EMA-TR-144	14	15	282	23	13	33	5	
EMA-TR-144	15	16	388	19	10	34	6	
EMA-TR-144	16	17	323	21	12	34	5	
EMA-TR-144	17	18	315	25	14	38	6	
EMA-TR-145	0	14	N.A.					
EMA-TR-145	14	15	767	16	30	**221**	12	
EMA-TR-145	15	16	777	16	31	**226**	11	
EMA-TR-145	16	17	610	19	32	**187**	10	
EMA-TR-145	17	18	618	20	32	**187**	12	
EMA-TR-145	18	19	778	18	30	**223**	13	743
EMA-TR-145	19	20	674	19	29	**186**	12	
EMA-TR-145	20	21	865	21	31	**252**	16	
EMA-TR-145	21	22	846	22	30	**240**	17	
EMA-TR-145	22	23	717	22	31	**209**	15	
EMA-TR-145	23	24	777	22	31	**223**	16	
EMA-TR-146	0	5	N.A.					
EMA-TR-146	5	6	394	21	7	18	9	
EMA-TR-146	6	7	343	24	9	22	9	
EMA-TR-146	7	8	392	22	10	32	9	
EMA-TR-146	8	9	439	21	15	58	10	
EMA-TR-146	9	10	592	18	17	89	11	
EMA-TR-146	10	11	578	17	18	95	10	
EMA-TR-146	11	12	538	20	24	**118**	11	674
EMA-TR-146	12	13	583	18	27	**148**	10	
EMA-TR-146	13	14	799	15	30	**229**	11	
EMA-TR-146	14	15	952	15	30	**270**	13	
EMA-TR-147	0	1	239	35	15	27	8	
EMA-TR-147	1	2	650	16	16	96	11	650
EMA-TR-147	2	3	373	23	16	50	9	
EMA-TR-147	3	4	440	21	19	76	9	
EMA-TR-147	4	5	738	17	24	**166**	12	837

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-147	5	6	819	17	28	**215**	13	
EMA-TR-147	6	7	953	16	26	**236**	14	
EMA-TR-148	0	1	246	29	15	31	7	
EMA-TR-148	1	2	172	28	16	24	4	
EMA-TR-148	2	3	130	25	19	22	3	
EMA-TR-149	0	2	N.A.					
EMA-TR-149	2	3	274	26	16	37	8	
EMA-TR-149	3	4	301	22	12	30	7	
EMA-TR-149	4	5	410	17	9	30	8	
EMA-TR-149	5	6	461	16	10	36	8	
EMA-TR-149	6	7	434	21	15	55	10	
EMA-TR-149	7	8	313	26	10	22	9	
EMA-TR-149	8	9	343	22	9	22	7	
EMA-TR-149	9	10	525	18	16	72	9	532
EMA-TR-149	10	11	539	17	16	79	9	
EMA-TR-149	11	12	476	20	17	72	9	
EMA-TR-150	0	5	N.A.					
EMA-TR-150	5	6	200	22	12	21	3	
EMA-TR-150	6	7	252	19	25	58	4	
EMA-TR-150	7	8	217	21	13	26	3	
EMA-TR-150	8	9	196	23	13	22	3	
EMA-TR-150	9	10	213	22	13	25	3	
EMA-TR-150	10	11	217	20	12	22	3	
EMA-TR-150	11	12	260	19	12	26	4	
EMA-TR-150	12	13	261	19	13	30	4	
EMA-TR-150	13	14	236	21	13	27	4	
EMA-TR-150	14	15	271	21	13	31	4	
EMA-TR-151	0	1	103	55	13	8	5	
EMA-TR-151	1	2	94	52	14	8	5	
EMA-TR-151	2	3	104	48	14	10	4	
EMA-TR-151	3	4	175	34	18	25	6	
EMA-TR-151	4	5	248	25	18	39	6	
EMA-TR-151	5	6	422	23	18	70	9	
EMA-TR-151	6	7	533	19	19	**91**	10	558
EMA-TR-151	7	8	617	18	21	**121**	11	
EMA-TR-151	8	9	510	19	22	**102**	10	
EMA-TR-151	9	10	573	17	20	**105**	9	
EMA-TR-152	0	1	375	24	14	41	10	
EMA-TR-152	1	2	491	17	15	67	9	

HoleID	From	To	TREO ppm	% HREO	% MREO	NdPr ppm	DyTb ppm	Int
EMA-TR-152	2	3	525	17	19	93	9	582
EMA-TR-152	3	4	639	17	19	**108**	11	
EMA-TR-153	0	1	127	46	15	14	6	
EMA-TR-153	1	2	113	42	15	13	5	
EMA-TR-153	2	3	130	35	15	15	4	
EMA-TR-153	3	4	185	24	12	18	4	
EMA-TR-153	4	5	502	14	8	33	7	589
EMA-TR-153	5	6	762	8	5	30	6	
EMA-TR-153	6	7	502	12	9	37	6	
EMA-TR-153	7	8	333	19	20	62	6	
EMA-TR-156	0	1	170	36	18	24	6	
EMA-TR-156	1	2	212	31	18	33	7	
EMA-TR-156	2	3	209	33	18	31	7	
EMA-TR-156	3	4	234	31	18	34	7	
EMA-TR-156	4	5	482	19	19	83	10	
EMA-TR-156	5	6	799	16	21	**156**	14	944
EMA-TR-156	6	7	1,068	16	20	**199**	18	
EMA-TR-156	7	8	964	22	26	**225**	22	

Appendix 4: Auger drill-hole location

Hole ID	East	North	RL (m)	Depth	Azimuth	Dip	Tenement
EMA-TR-073	183617.52	9181622.86	194.53	13	0	-90	880.107/2008
EMA-TR-074	183610.04	9182396.56	196.76	31	0	-90	880.107/2008
EMA-TR-075	184375.09	9179205.37	151.14	23	0	-90	880.107/2008
EMA-TR-076	184410.05	9180010.27	150.18	15	0	-90	880.107/2008
EMA-TR-077	184403.59	9180791.36	151.64	16	0	-90	880.107/2008
EMA-TR-078	184410.22	9181541.98	147.07	14	0	-90	880.107/2008
EMA-TR-079	184396.54	9182369.71	144.39	16	0	-90	880.107/2008
EMA-TR-080	185204.82	9179196.34	145.00	19	0	-90	880.107/2008
EMA-TR-081	185194.31	9180014.35	151.15	17	0	-90	880.107/2008
EMA-TR-082	185170.49	9180781.52	161.10	16	0	-90	880.107/2008
EMA-TR-083	185183.26	9181589.55	150.35	15	0	-90	880.107/2008
EMA-TR-084	185196.6	9182383.12	141.59	10	0	-90	880.107/2008
EMA-TR-085	185214.65	9183237.23	138.35	8	0	-90	880.107/2008
EMA-TR-086	185201.33	9183959.48	141.70	12	0	-90	880.107/2008
EMA-TR-087	186036.27	9179160.96	159.45	8	0	-90	880.107/2008
EMA-TR-088	186002.78	9179968.36	142.70	20	0	-90	880.107/2008
EMA-TR-089	185978.85	9180825.3	168.31	14	0	-90	880.107/2008
EMA-TR-090	185989.34	9181599.09	139.86	16	0	-90	880.107/2008
EMA-TR-091	186008.85	9182396.4	187.56	21	0	-90	880.107/2008
EMA-TR-092	186014.72	9183188.14	137.33	18	0	-90	880.107/2008
EMA-TR-093	186006.12	9183984.73	138.16	19	0	-90	880.107/2008
EMA-TR-094	186770.14	9179168.85	135.66	12	0	-90	880.107/2008
EMA-TR-095	186797.54	9180003.66	137.68	12	0	-90	880.107/2008
EMA-TR-096	186804.1	9180800.56	178.84	14	0	-90	880.107/2008
EMA-TR-097	186793.74	9181599.4	132.54	12	0	-90	880.107/2008
EMA-TR-098	186847.24	9182363.64	134.35	16	0	-90	880.107/2008
EMA-TR-099	186806.09	9183194.89	121.36	11	0	-90	880.107/2008

Hole ID	East	North	RL (m)	Depth	Azimuth	Dip	Tenement
EMA-TR-100	186792.73	9183958.36	128.16	12	0	-90	880.107/2008
EMA-TR-101	187605.18	9180000.22	146.56	20	0	-90	880.107/2008
EMA-TR-102	187615.76	9180798.82	147.98	14	0	-90	880.107/2008
EMA-TR-103	187582.69	9181598.22	155.54	19	0	-90	880.107/2008
EMA-TR-104	187610.78	9183187.74	157.11	7	0	-90	880.107/2008
EMA-TR-105	187604.04	9183996.58	121.71	9	0	-90	880.107/2008
EMA-TR-106	184792.59	9176481.24	134.34	19	0	-90	880.107/2008
EMA-TR-107	184884.2	9176502.65	126.44	13	0	-90	880.107/2008
EMA-TR-108	184884.88	9176375.46	133.90	21	0	-90	880.107/2008
EMA-TR-110	184818.03	9176304.31	153.06	20	0	-90	880.107/2008
EMA-TR-111	184718.89	9176295.33	172.34	16	0	-90	880.107/2008
EMA-TR-112	184624.18	9176304.05	152.76	14	0	-90	880.107/2008
EMA-TR-113	184707.5	9176394.15	152.90	8	0	-90	880.107/2008
EMA-TR-114	184704.73	9176495.62	147.89	10	0	-90	880.107/2008
EMA-TR-115	184604.56	9176490.83	143.57	18	0	-90	880.107/2008
EMA-TR-116	184413.89	9176862.22	124.73	14	0	-90	880.107/2008
EMA-TR-117	184509.79	9176755.81	129.76	17	0	-90	880.107/2008
EMA-TR-118	184312.15	9176764.14	122.54	8	0	-90	880.107/2008
EMA-TR-119	184415.54	9176659.74	132.96	19	0	-90	880.107/2008
EMA-TR-120	184312.37	9176662.55	134.54	14	0	-90	880.107/2008
EMA-TR-121	184509.45	9176657.15	132.53	14	0	-90	880.107/2008
EMA-TR-123	184703.67	9176599.17	133.03	9	0	-90	880.107/2008
EMA-TR-124	184909.48	9176596.73	133.84	21	0	-90	880.107/2008
EMA-TR-126	184815.63	9176695.51	127.55	15	0	-90	880.107/2008
EMA-TR-127	184610.06	9176758.85	121.66	11	0	-90	880.107/2008
EMA-TR-128	184710.97	9176762.4	124.35	13	0	-90	880.107/2008
EMA-TR-129	185007.45	9176469.15	120.08	6	0	-90	880.107/2008
EMA-TR-130	185007.49	9176378.01	127.11	6	0	-90	880.107/2008

Hole ID	East	North	RL (m)	Depth	Azimuth	Dip	Tenement
EMA-TR-131	185018.64	9176305.5	133.63	18	0	-90	880.107/2008
EMA-TR-132	184113.63	9176968.73	123.37	10	0	-90	880.107/2008
EMA-TR-133	184317.13	9176958.81	122.56	9	0	-90	880.107/2008
EMA-TR-134	184513.21	9176963.66	127.72	17	0	-90	880.107/2008
EMA-TR-135	184707.92	9176966.06	128.78	18	0	-90	880.107/2008
EMA-TR-138	185423.13	9176918.24	131.56	17	0	-90	880.107/2008
EMA-TR-140	185115.25	9176773.47	121.26	12	0	-90	880.107/2008
EMA-TR-141	185310.94	9176563.76	118.16	8	0	-90	880.107/2008
EMA-TR-142	185115.6	9176563.11	118.89	8	0	-90	880.107/2008
EMA-TR-143	185413.88	9176383.93	124.63	14	0	-90	880.107/2008
EMA-TR-144	185420.61	9176109.87	133.55	18	0	-90	880.107/2008
EMA-TR-145	185022.35	9176108.71	164.71	24	0	-90	880.107/2008
EMA-TR-146	184820.8	9176111.93	183.63	15	0	-90	880.107/2008
EMA-TR-147	184629.75	9176111.66	168.25	7	0	-90	880.107/2008
EMA-TR-148	184419.36	9176115.14	128.27	3	0	-90	880.107/2008
EMA-TR-149	184415.02	9176313.58	141.52	12	0	-90	880.107/2008
EMA-TR-150	185822.85	9176106.46	124.90	15	0	-90	880.107/2008
EMA-TR-151	185822.73	9176508.07	117.17	10	0	-90	880.107/2008
EMA-TR-152	185819.56	9176907.47	123.15	4	0	-90	880.107/2008
EMA-TR-156	183706.55	9177360.69	121.97	8	0	-90	880.107/2008

Appendix

The following Table and Sections are provided to ensure compliance with JORC Code (2012 Edition).

JORC (2012) Table 1 – Section 1: Sampling Techniques and Data for auger hole drilling

Item	JORC code explanation	Comments
Sampling Techniques	• Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. • Include reference to measures taken to ensure sample representativity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was	• Exploration results are based on auger drilling conducted by BCM´s exploration team. • The data presented is based on the assay of soils and saprolite by auger drilling at 1m sample intervals. • Sampling was supervised by a BCM geologist or field assistants. • Every 1-metre sample was collected in a raffia bag in the field and transported to the exploration shed to be dried in the sun, prior to homogenisation. • Samples were homogenised and subsequently riffle split with about 2 kg sent to SGS for analysis and a similar amount stored. • 1 certified blank sample, 1 certified reference material (standard) samples and 1 field duplicate sample were inserted into the sample sequence for each 25 samples.

Item	JORC code explanation	Comments
	used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	
Drilling Techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	• Auger drilling was completed by a hand held-mechanical auger with a 3" auger bit. The drilling is an open hole, meaning there is a significant chance of contamination from surface and other parts of the auger hole. Holes are vertical and not oriented.
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	• No recoveries are recorded. • The operator observes the volume of each metre and notes any discrepancy. • No relationship is believed to exist between recovery and grade.

Item	JORC code explanation	Comments
	preferential loss/gain of fine/coarse material.	
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 logged by BCM geologists or field technicians, detailing the colour, weathering, alteration, texture and any geological observations. Care is taken to identify transported cover from in-situ saprolite/clay zones and the moisture content. Logging was done to a level that would support a Mineral Resource Estimate. • Qualitative logging with systematic photography of the stored box. • The entire auger hole is logged.
Sub-Sampling Techniques and Sampling Procedures	• 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 representativity of samples.	• Auger sampling procedure is completed in the exploration shed in Apui. • The entire one metre sample is bagged on site, in a raffia bag which is transported to the exploration shed, where it is naturally dried prior to homogenisation, then quartered to about 1kg to go to SGS and another 1kg to store on site. • Sample preparation for the auger samples was conducted at SGS Vespasiano (greater Belo Horizonte) comprising oven drying, crushing of entire sample to 75% < 3mm followed by rotary splitting and pulverisation of 250 to 300 grams at 95% minus 150# • The <3mm rejects and the 250-300 grams pulverised sample were returned to BCM for storage. • Only the last 10 metres were sent to assay, the samples above will be send if required.

<table>
<tr><th>Item</th><th>JORC code explanation</th><th>Comments</th></tr>
<tr><td></td><td>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.</td><td></td></tr>
<tr><td>Quality of Assay Data and Laboratory Tests</td><td>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</td><td>1 blank sample, 1 certified reference material (standard) sample and 1 field duplicate sample were inserted by BBX into each 25-sample sequence.
Standard laboratory QA/QC procedures were followed, including inclusion of standard, duplicate and blank samples.
The assay results of the standards fall within acceptable tolerance limits and no material bias is evident.
The assay technique used for REE was Lithium Metaborate Fusion ICP-MS (SGS code ICP95A and IMS95A). This is a recognised industry standard analysis technique for REE suite and associated elements. Elements analysed at ppm levels:
<table>
<tr><td>Ba</td><td>Ce</td><td>Cr</td><td>Cs</td><td>Dy</td><td>Er</td><td>Eu</td><td>Ga</td></tr>
<tr><td>Gd</td><td>Hf</td><td>Ho</td><td>La</td><td>Lu</td><td>Nb</td><td>Nd</td><td>Pr</td></tr>
<tr><td>Rb</td><td>Sm</td><td>Sn</td><td>Sr</td><td>Ta</td><td>Tb</td><td>Th</td><td>Tm</td></tr>
<tr><td>U</td><td>V</td><td>W</td><td>Y</td><td>Yb</td><td>Zr</td><td>Zn</td><td>Co</td></tr>
<tr><td>Cu</td><td>Ni</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
The sample preparation and assay techniques used are industry standard and provide total analysis.
The SGS laboratory used for the RRE assays is ISO 9001 and 14001 and 17025 accredited.
Analytical standard for REE ITAK-705 was used as CRM material in the batches sent to SGS.
The assay results for the standards were consistent with the certified levels of accuracy and precision and no bias is evident.</td></tr>
</table>

Item	JORC code explanation	Comments
		• The blanks used contain some REE, with critical elements Ce, Nd, Dy and Y present in small quantities. • Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample. Variability between duplicate results is considered acceptable and no sampling bias is evident. • Laboratory inserted standards, blanks and duplicates were analysed as per industry standard practice. There is no evidence of bias from these results.
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.	• Apart from the routine QA/QC procedures by the Company and the laboratory, there was no other independent or alternative verification of sampling and assaying procedures. • Analytical results for REE were supplied digitally, directly from the SGS laboratory in Vespasiano to the BCMs Exploration Manager in Rio de Janeiro. • No twinned holes were used. • Geological data was logged onto paper and transferred to Excel spreadsheets at end of the day and then transferred into the drill hole database. Microsoft Access is used for database storage and management and incorporates numerous data validation and data integrity checks. All assay data is imported directly into the Microsoft Access database. • No adjustments were made to the data. • All REE assay data received from the laboratory in element form is unadjusted for data entry. • Conversion of elements analysis (REE) to stoichiometric oxide (REO) was undertaken by spreadsheet using defined conversion factors. (Source:https://www.jcu.edu.au/advanced-analytical-centre/resources/element-to-stoichiometric-oxide-conversion-factors).

Element ppm	Conversion Factor	Oxide Form
Ce	1.2284	CeO_2
Dy	1.1477	Dy_2O_3
Er	1.1435	Er_2O_3
Eu	1.1579	Eu_2O_3
Gd	1.1526	Gd_2O_3

Item	JORC code explanation	Comments
		(continued below)

Ho	1.1455	Ho2O3
La	1.1728	La2O3
Lu	1.1371	Lu2O3
Nd	1.1664	Nd2O3
Pr	1.2082	Pr6O11
Sm	1.1596	Sm2O3
Tb	1.1762	Tb4O7
Tm	1.1421	Tm2O3
Y	1.2699	Y2O3
Yb	1.1387	Yb2O3

Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations are used for compiling REO into their reporting and evaluation groups:

TREO (Total Rare Earth Oxide) = La2O3 + CeO2 + Pr6O11 + Nd2O3 + Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Y2O3 + Lu2O3

LREO (Light Rare Earth Oxide) = La2O3 + CeO2 + Pr6O11 + Nd2O3

HREO (Heavy Rare Earth Oxide) = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Y2O3 + Lu2O3

CREO (Critical Rare Earth Oxide) = Nd2O3 + Eu2O3 + Tb4O7 + Dy2O3 + Y2O3

(From U.S. Department of Energy, Critical Material Strategy, December 2011)

MREO (Magnetic Rare Earth Oxide) = Nd2O3 + Pr6O11 + Tb4O7 + Dy2O3

NdPr = Nd2O3 + Pr6O11

DyTb = Dy2O3 + Tb4O7

In elemental from the classifications are:

TREE: La+Ce+Pr+Nd+Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Tb+Lu+Y

HREE: Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Tb+Lu+Y

CREE: Nd+Eu+Tb+Dy+Y

LREE: La+Ce+Pr+Nd

Item	JORC code explanation	Comments
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.	• The UTM WGS84 zone 21S grid datum is used for current reporting. The drill holes collar coordinates for the holes reported are currently controlled by hand-held GPS.
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.	• Auger holes were over 200m to 800m apart, designed for testing iREE mineralization over the mapped felsic volcanics. • The data spacing and distribution is sufficient to establish the level of REE elements present in the target area and its continuity along the regolith profile appropriate for a Mineral Resource. • No sample composition was applied.
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	• The location and depth of the sampling is appropriate for the deposit type. • Relevant REE values are compatible with the exploration model for ionic REEs. • No relationship between mineralisation and drilling orientation is known at this stage.

Item	JORC code explanation	Comments
	mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	
Sample security	• The measures taken to ensure sample security.	• The auger samples in sealed plastic bags were sent directly to SGS by bus and then airfreight. The Company has no reason to believe that sample security poses a material risk to the integrity of the assay data.
Audit or Reviews	• The results of any audits or reviews of sampling techniques and data.	• The sampling techniques and data have been reviewed by the Competent Person and are found to be of industry standard.

JORC (2012) Table 1 - Section 2: Reporting of Exploration Results

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 EMA and EMA EAST leases are 100% owned by BCM with no issues in respect to native title interests, historical sites, wilderness or national park and environmental settings. • The company is not aware of any impediment to obtain a licence to operate in the area.
Exploration done by Other Parties	• Acknowledgment and appraisal of exploration by other parties.	• No exploration by other parties has been conducted in the region.
Geology	• Deposit type, geological setting and style of mineralisation.	• The REE mineralisation at EMA is contained within the tropical lateritic weathering profile developed on top of felsic rocks, rhyolites as per the Chinese deposits. • The REE mineralisation is concentrated in the weathered profile where it has dissolved from the primary mineral, such as monazite and xenotime, then adsorbed on to the neo-forming fine particles of aluminosilicate clays (e.g. kaolinite, illite, smectite). • This adsorbed iREE is the target for extraction and production of REO.
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	• Auger locations and diagrams are presented in this announcement. • Details are tabulated in the announcement.

Criteria	JORC code explanation	Commentary
	• elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar • dip and azimuth of the hole • down hole length and interception depth • hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data aggregation methods	• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. • Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• Weighted averages were calculated for all intercepts. • 500ppm TREO cut-off grade was applied to define the relevant intersections. • No metal equivalent values reported.
Relationship between mineralization widths and intercepted lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this	• Significant values of REE were reported for the auger samples. • Mineralisation orientation is not known at this stage, although assumed to be flat. • The downhole depths are reported, true widths are not known at this stage.

Criteria	JORC code explanation	Commentary
	effect (eg '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.	• Maps and tables of the soil auger holes location and target location are inserted.
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.	• Relevant REE mineralisation with grades higher than 500ppm TREO in auger holes was reported with confirmation of IAC (Ionic Adsorbed Clay) type mineralisation obtained in the EMD-017 and TR-016 samples in this same geological setting.
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.	• No other significant exploration data has been acquired by the Company.
Further Work	• The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• Regional Specific Densities collection for the upcoming MRE. • Additional metallurgical test work with ammonium sulphate leach.