STRONG MAGNESIUM SULPHATE LEACH RESULTS

2025 DRILL SAMPLES CONFIRM ISR RESPONSE ACROSS KILOMETRES OF MINERALISATION

Highlights

- Leaching results received from the 2025 extensional drilling campaign **(ASX: Mar 2026)** show **strong ion exchange** leaching responses to magnesium sulphate
- Across **56 holes and 262 samples, there were 58 intercepts** within the mineralised horizon resulting in average recoveries of;
  - 48% TREO (total rare earth oxide); and
  - 62% MREO (magnet rare earth oxide)
- Results are exactly the same as the overall recoveries utilised for the Scoping Study **(ASX:26 Feb 2025)**
- **MREO:TREO ratio averaged 39%,** positioning Ema amongst the higher-grade magnetic rare earth peer group
- Results confirm leachability over **kilometres of developed clay horizon** underpinning a 20-yr mine life for the upcoming bankable feasibility study
- Project is now one of the **most compelling and significant ionic clay** rare earth developments outside of China
- Bankable feasibility study **targeting release** during June 2026

Key results confirm exceptionally high soluble or leachable ionic REE (rare earth element) enrichment in the lower saprolite target horizon:

- **EMA-TR-465:** 9m @ 780ppm leached TREO containing 271ppm leached MREO (MREO:TREO 35%)
- **EMA-TR-456:** 9m @ 606ppm leached TREO with 277ppm leached MREO (MREO:TREO 46%)
- **EMA-TR-430:** 9m @ 597ppm leached TREO with 260ppm leached MREO (MREO:TREO 44%)
- **EMA-TR-492:** 9m @ 517ppm leached TREO (includes a peak 1m interval of 1,693ppm leached TREO with 502ppm NdPr and 66ppm DyTb), highlighting high-grade heavy rare earths near the fresh rock interface.

Brazilian Critical Minerals Limited (**ASX: BCM**) ("**BCM**" or the "**Company**") is pleased to announce magnesium sulphate soluble rare earth assay results from the 2025 infill auger drilling program completed within the Ema Ionic Clay Rare Earth Project in the Apuí region of Brazil (figure 1).

The sample leaching program continues to demonstrate strong ionic rare earth enrichment within the lower saprolite horizon directly above fresh bedrock, supporting the Company's ISR development strategy and ongoing feasibility studies.

Andrew Reid, Managing Director, commented:

"*These magnesium sulphate leach results continue to strengthen our confidence in Ema as a globally significant ionic clay rare earth project with strong potential for low-cost ISR development. Importantly, we continue to see the highest soluble rare earth enrichment consistently occurring within the lower saprolite horizon immediately above fresh rock, providing further confidence in both the geological controls and the scalability of the mineralised system.*

What is particularly encouraging is not simply the soluble grades themselves, but the consistently high proportions of magnetic rare earths being returned under mild magnesium sulphate leaching conditions. These results continue to demonstrate that Ema possesses many of the key characteristics associated with the ionic clay deposits of southern China, which remain the world's dominant source of low-cost heavy and magnetic rare earth production.

We continue to systematically increase confidence in the continuity, distribution and extractability of mineralisation across the deposit. These results represent another important step toward further de-risking the project as we advance development studies and continue positioning Ema as a future strategic supplier of rare earth materials to western supply chains."

These results support the Company's view that the Ema ionic clay mineralisation demonstrates a highly favourable leach response within the mineralised regolith profile, particularly within the boundary of the current Mineral Resource Estimate ("MRE") **(ASX: Apr 2026).**

Importantly, the strongest soluble TREO (total rare earth oxide) and magnetic rare earth oxide (MREO) values consistently occur within mineralised intervals incorporated into the April 2026 updated Mineral Resource Estimate ("MRE"), reinforcing the Company's interpretation that the Ema ionic clay system remains highly amenable to low-acid magnesium sulphate in-situ recovery methods.

The strong increase in magnetic rare earths (MREO) grade towards the base of the weathered profile at the top of the saprock portion of the profile over intervals of generally 5-10m, is considered ideal for in-situ leaching.

The consistent positioning of the soluble enrichment zone immediately above fresh basement rock is also considered favourable for future ISR wellfield containment and solution recovery.

The significant increase in DyTb proportions within the MREO composition toward the base of the weathering profile highlights the economic significance of the lower saprolite zone.

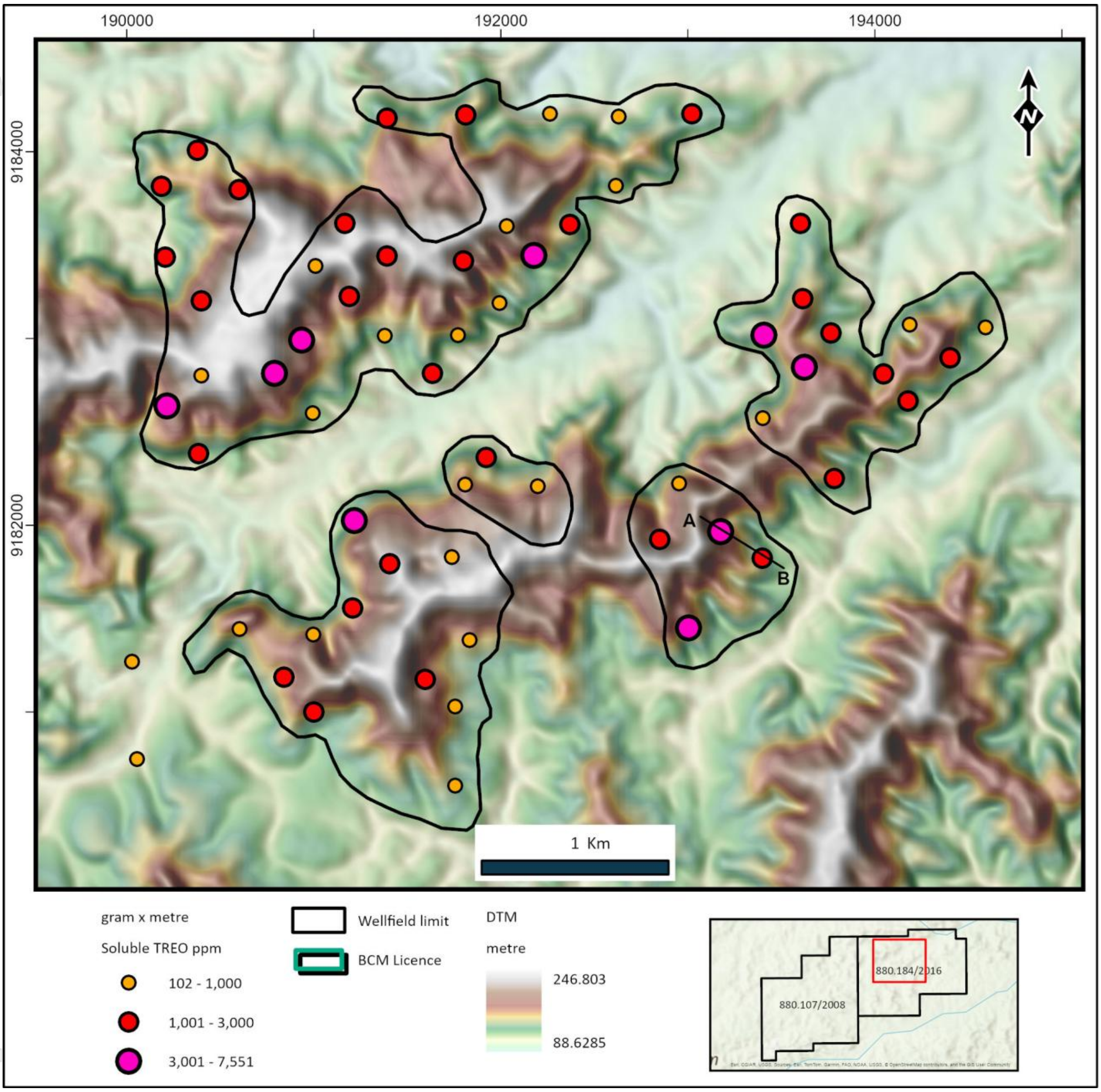

Figure 1 – Drill hole map with the soluble gram x meter from the 2025 Infill holes, with cross section A-B. Drill hole results displayed are only those from within the Indicated and Inferred portions of the April 2026 MRE.

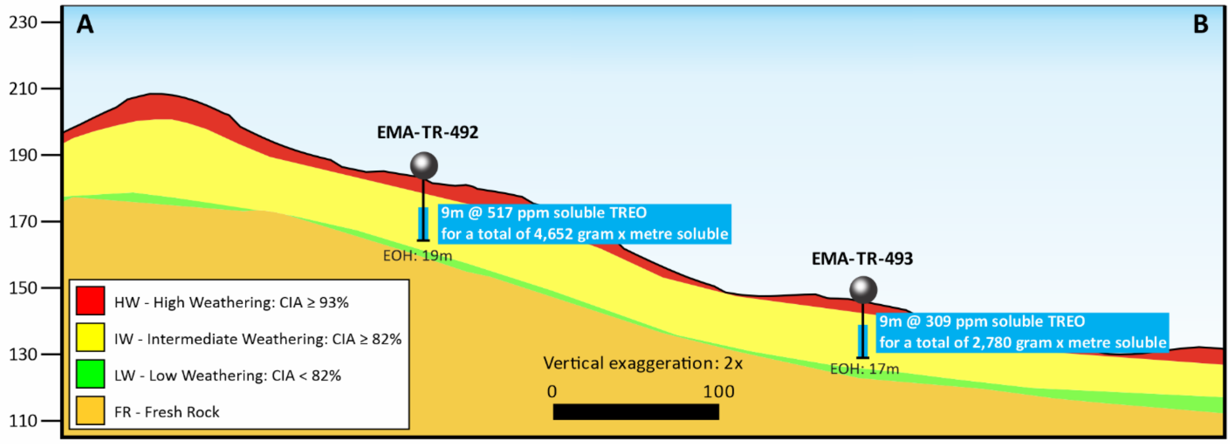

Figure 2 - Cross section A-B from EMA-TR-492 & EMA-TR-493

Results generally returned thick mineralised intercepts with the highest grades of NdPr located at the bottom of the auger holes within the semi-weathered zone, directly above the fresh rock interface with the higher values.

Strip logs of holes EMA-TR-456, 465 and 492 (figure 3 and 4) are examples of the lower enrichment zone with the presence of high NdPr grades towards the base of the regolith profile in the low weathering zone.

These profiles demonstrate that the strongest soluble MREO responses broadly correspond with the higher-grade total TREO intervals, confirming preferential leaching of the magnetic rare earth fraction within the lower saprolite zone.

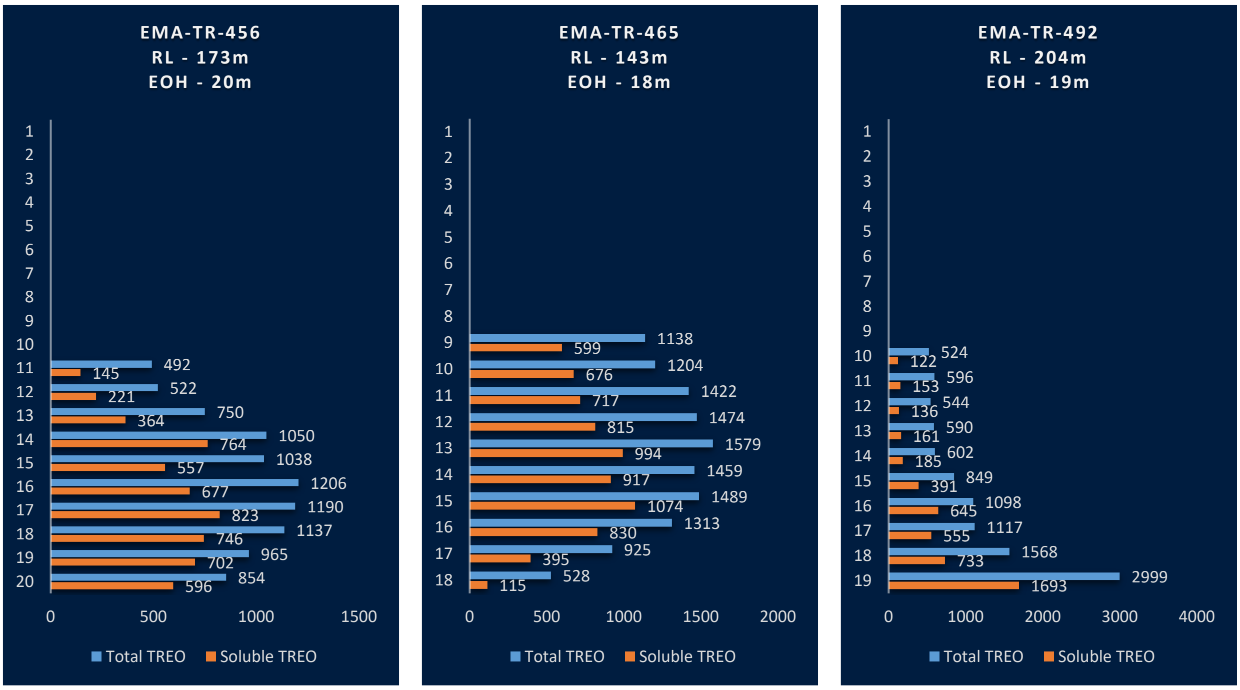

Figure 3 - Drill-hole profiles showing Total TREO vs Soluble TREO results.

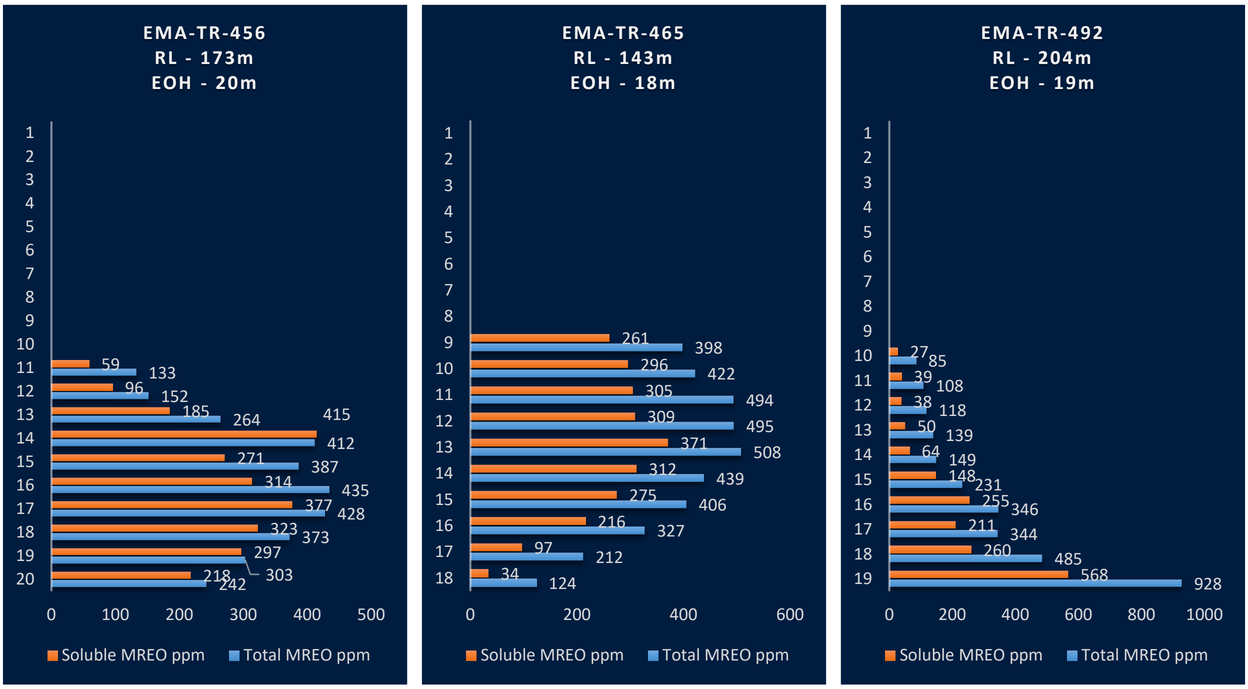

Figure 4 - Drill-hole profiles showing Total MREO vs Soluble MREO results.

Several drillholes returned peak 1m soluble TREO values exceeding 1,000ppm within the lower saprolite horizon, including 1,074ppm soluble TREO in EMA-TR-465 and 1,693ppm soluble TREO in EMA-TR-492, highlighting the presence of localised high-grade ionic enrichment pods immediately above the fresh ignimbrite interface.

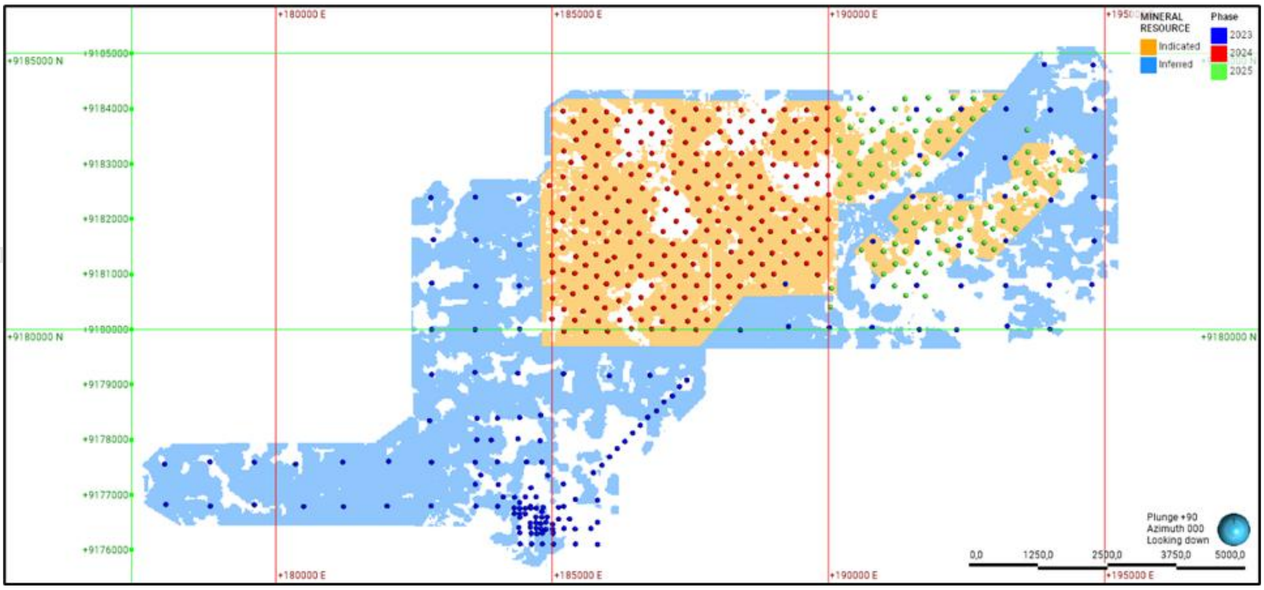

Figure 5. Location of April 2026 MRE (Indicated + Inferred portions)

The leaching program was designed to evaluate the percentages of rare earth elements that are readily exchangeable using magnesium sulphate leaching conditions, consistent with the proposed ISR development approach at Ema.

The results continue to demonstrate that the higher-grade portions of the Ema regolith profile generally correspond to stronger soluble TREO responses, reinforcing the Company's interpretation that the ionic adsorption clay mineralization remains highly amenable to low-acid magnesium sulphate leaching.

The Company considers the soluble TREO dataset to be particularly important as it directly evaluates the recoverable ionic rare earth component of the deposit in detail, rather than total TREO alone.

Ema REE project

The EMA ionic REE project is unique amongst Brazilian REE projects in that it shares almost identical characteristics with the ionic REE deposits developed over volcanic rocks in southwest China, one of the world's largest ionic clay rare earth producing regions, producing significant quantities of the world's rare earth production.

The vertical enrichment profile observed at Ema, with increasing soluble TREO and MREO values toward the lower saprolite horizon immediately above fresh volcanic rocks, is highly comparable to the ionic clay ISR deposits currently exploited in southern China.

Exploration drilling is conducted with hand-held auger drills, which offer the advantage of low-cost, rapid deployment and mobility. One key constraint of auger drilling is the depth limitation, with the deepest holes, generally containing the highest-grade results, drilled to ~20m. In addition, most of the exploration to date has been conducted on widely spaced (800m) centres, with infill drilling on 300m centres in the central resource area.

Infill drilling at 300-meter centres provides a more detailed assessment of the mineralisation grade and thickness, leading to an increase in the confidence level of the Mineral Resource Estimate. This transition to closer spacing has led to the identification of some exceptional intercepts, suggesting the presence of high-grade pods within the mineralised zones. These findings will be crucial for the next phase of exploration as the team works to define these high-grade areas for the in-situ recovery (ISR).

Despite the variability in collar elevations of the drilled holes, the typical enrichment of Neodymium (Nd) and Praseodymium (Pr) is consistently encountered at a similar depth within the lower saprolite zone, located just above the fresh rock. The enriched zone generally measures around 10 meters in thickness indicating a continuous mineralised horizon. This widespread occurrence strongly suggests the presence of continuous high-grade zones across the project area.

The high-value heavy magnetic REE's Tb and Dy values commonly range between approximately 5–10% of NdPr values and make an important contribution to overall MREC[2] basket value. The increased values at the bottom of the holes highlight the economic potential of the lower saprolite zones and the zone to be targeted for in-situ extraction.

Importantly, the Company notes that low soluble TREO values returned from isolated drill holes are predominantly associated with barren or weakly mineralised intervals containing very low absolute TREO grades, commonly below the cut-off grade applied in the current MRE. As such, these intervals are not considered representative of the leach characteristics of the Ema mineralised horizon.

Ongoing Work Program at Ema

- The BFS, utilising the updated MRE, ANSTO metallurgical test results and WSP groundwater modelling data is currently nearing completion and due for release during June 2026.
- Continued discussions with offtake counter parties over MREC product
- Progressive engagement with regulators regarding both the mining and environmental permits for Ema
- Initial project financing discussions have commenced and will be accelerated from Q3 2026

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

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About Brazilian Critical Minerals Ltd

BRAZILIAN CRITICAL MINERALS

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

Its major exploration focus is Brazil, in the Apuí region, where BCM has discovered a world class Ionic Adsorbed Clay (IAC) Rare Earth Elements deposit. The Ema IAC project is contained within the 781 km² of exploration tenements within the Colider Group.

BCM has defined a total MRE of 1,071Mt of REE's with 392Mt at Indicated category which will inform the Feasibility Study and economic analysis due for completion in Q1 2026.

This deposit stands as one of the highest tonnages for these types of deposits anywhere in the world.

The current Mineral Resource Estimate is based on total TREO grades and does not yet incorporate soluble TREO recovery constraints.

JORC Category	cut-off ppm TREO	Tonnes Mt	TREO ppm	NdPr ppm	DyTb ppm	MREO ppm	MREO:TREO %
Indicated	500	392	773	184	17	**200**	25
Inferred	500	681	712	168	15	184	25
Total	**500**	**1,071**	**732**	**174**	**16**	**190**	**25**

Competent Person Statement

The information in this announcement 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 is a member of the Australasian Institute of Mining and Metallurgy, 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. The Company confirms that is not aware of any new information or data that materially affects the information included in the above-mentioned release and continues to apply and have not materially changed in accordance with listing Rule 5.23.2.

Appendices

Appendix 1 – Auger hole soluble intersections >150ppm soluble TREO cut-off grade

Auger hole	From (m)	Interval (m)	TREO soluble (ppm)	% MREO[1]	% HREO[2]	Soluble NdPr (ppm)	Soluble DyTb (ppm)
EMA-TR-413	10.00	9.00	241	32	10	75	2
EMA-TR-416	8.00	1.00	212	30	16	61	3
EMA-TR-417	19.00	1.00	291	46	16	129	4
EMA-TR-418	3.00	5.00	635	38	33	223	19
EMA-TR-420	15.00	4.00	178	30	12	52	2
EMA-TR-421	9.00	7.00	367	37	20	128	7
EMA-TR-422	4.00	8.00	324	36	31	106	10
EMA-TR-424	8.00	6.00	237	38	17	86	4
EMA-TR-426	7.00	6.00	449	43	25	185	10
EMA-TR-428	10.00	4.50	283	42	15	115	4
EMA-TR-429	7.00	8.50	336	35	19	111	6
EMA-TR-430	6.00	9.00	597	44	27	245	15
EMA-TR-431	8.00	7.00	475	38	21	172	9
EMA-TR-432	8.00	2.00	214	19	9	38	2
EMA-TR-433	15.00	4.00	292	40	23	112	6
EMA-TR-435	12.00	2.50	289	37	24	102	6
EMA-TR-436	18.00	1.00	259	38	28	93	6
EMA-TR-437	17.00	2.00	352	41	18	141	6
EMA-TR-438	13.00	9.50	271	39	12	102	2
EMA-TR-439	11.00	4.00	336	37	20	119	6
EMA-TR-440	9.00	10.00	408	43	24	166	8
EMA-TR-441	7.00	1.00	171	36	16	60	2
EMA-TR-442	17.00	10.00	277	36	27	92	8
EMA-TR-443	14.00	4.00	222	37	21	78	5
EMA-TR-444	13.00	5.00	354	42	20	144	7
EMA-TR-447	9.00	10.00	275	34	20	89	5
EMA-TR-448	12.00	10.00	381	41	20	150	6
EMA-TR-450	22.00	2.00	322	41	26	124	8
EMA-TR-454	12.00	3.00	284	39	33	101	9

[1] MREO (Magnetic Rare Earth Oxide) = $Tb_4O_7 + Dy_2O_3 + Nd_2O_3 + Pr_6O_{11}$
[2] HREO (Heavy Rare Earth Oxide) = $Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3$

Auger hole	From (m)	Interval (m)	TREO soluble (ppm)	% MREO[1]	% HREO[2]	Soluble NdPr (ppm)	Soluble DyTb (ppm)
EMA-TR-455	8.00	1.00	205	44	24	86	5
EMA-TR-456	11.00	9.00	606	46	23	265	12
EMA-TR-458	16.00	8.00	264	39	30	96	8
EMA-TR-462	15.00	9.00	236	44	10	102	2
EMA-TR-464	7.00	6.00	223	42	11	93	2
EMA-TR-465	8.00	9.00	780	35	38	245	26
EMA-TR-466	12.00	1.00	169	43	21	70	3
EMA-TR-467	13.00	2.50	213	43	22	86	5
EMA-TR-469	17.00	4.00	167	40	11	66	2
EMA-TR-470	10.00	7.00	315	42	25	127	7
EMA-TR-472	8.00	1.00	204	25	18	46	4
EMA-TR-475	7.00	4.00	376	45	23	160	8
EMA-TR-477	10.00	4.00	460	42	22	185	9
EMA-TR-483	14.00	5.00	322	36	24	111	6
EMA-TR-484	10.00	2.00	208	46	21	92	4
EMA-TR-485	6.00	3.00	180	28	8	50	1
EMA-TR-485	12.00	1.00	341	43	23	140	7
EMA-TR-486	10.00	4.00	389	44	22	165	7
EMA-TR-489	6.00	9.00	435	42	16	178	5
EMA-TR-492	10.00	9.00	517	35	28	168	13
EMA-TR-493	8.00	9.00	309	37	22	107	6
EMA-TR-495	15.00	1.00	155	28	8	42	1
EMA-TR-497	13.00	4.00	244	38	24	88	5
EMA-TR-498	12.00	7.00	206	35	11	71	2
EMA-TR-500	11.00	9.00	299	43	16	124	4
EMA-TR-501	7.00	1.00	285	42	11	116	3
EMA-TR-503	7.00	7.00	319	41	21	126	6
EMA-TR-504	3.00	4.00	306	36	23	104	6
EMA-TR-505	12.00	3.00	309	42	17	127	4

Appendix 2 – presents complete down-hole soluble assay distributions for selected auger holes, including low-grade intervals outside the mineralised MRE horizon, to illustrate the progressive enrichment of soluble TREO and MREO toward the lower saprolite zone.

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-413	9.00	10.00	126	24	7	29	1
EMA-TR-413	10.00	11.00	155	26	7	40	1
EMA-TR-413	11.00	12.00	165	29	7	47	1
EMA-TR-413	12.00	13.00	192	31	11	57	2
EMA-TR-413	13.00	14.00	232	32	9	73	2
EMA-TR-413	14.00	15.00	282	34	8	93	2
EMA-TR-413	15.00	16.00	378	33	9	122	3
EMA-TR-413	16.00	17.00	223	34	10	74	2
EMA-TR-413	17.00	18.00	271	33	11	87	2
EMA-TR-413	18.00	19.00	270	32	11	84	3
EMA-TR-416	9.00	10.00	3	33	33	1	0
EMA-TR-416	10.00	11.00	3	33	33	1	0
EMA-TR-416	0.50	1.00	8	13	25	1	0
EMA-TR-416	1.00	2.00	8	13	13	1	0
EMA-TR-416	2.00	3.00	9	11	11	1	0
EMA-TR-416	3.00	4.00	10	10	20	1	0
EMA-TR-416	4.00	5.00	19	11	11	2	0
EMA-TR-416	5.00	6.00	47	19	9	9	0
EMA-TR-416	6.00	7.00	80	26	11	20	1
EMA-TR-416	7.00	8.00	135	27	13	36	1
EMA-TR-416	8.00	9.00	212	30	16	61	3
EMA-TR-417	10.00	11.00	79	17	11	13	1
EMA-TR-417	11.00	12.00	53	13	8	7	0
EMA-TR-417	12.00	13.00	62	17	8	10	0
EMA-TR-417	13.00	14.00	66	19	8	12	1
EMA-TR-417	14.00	15.00	64	21	8	13	0
EMA-TR-417	15.00	16.00	76	25	8	19	0
EMA-TR-417	16.00	17.00	95	29	9	27	1
EMA-TR-417	17.00	18.00	90	37	11	32	1
EMA-TR-417	18.00	19.00	111	40	12	44	1
EMA-TR-417	19.00	20.00	291	46	16	129	4
EMA-TR-418	0.50	1.00	67	28	22	18	1

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-418	1.00	2.00	77	25	16	18	1
EMA-TR-418	2.00	3.00	123	36	15	42	2
EMA-TR-418	3.00	4.00	271	44	16	115	4
EMA-TR-418	4.00	5.00	612	45	24	261	13
EMA-TR-418	5.00	6.00	790	39	30	288	21
EMA-TR-418	6.00	7.00	798	36	36	260	26
EMA-TR-418	7.00	8.00	705	31	46	189	30
EMA-TR-420	9.00	10.00	80	28	18	21	1
EMA-TR-420	10.00	11.00	85	31	11	25	1
EMA-TR-420	11.00	12.00	117	32	11	36	1
EMA-TR-420	12.00	13.00	110	33	11	35	1
EMA-TR-420	13.00	14.00	111	32	11	35	1
EMA-TR-420	14.00	15.00	147	33	11	46	2
EMA-TR-420	15.00	16.00	172	31	12	52	2
EMA-TR-420	16.00	17.00	191	31	12	57	2
EMA-TR-420	17.00	18.00	163	30	12	47	2
EMA-TR-420	18.00	19.00	188	29	12	52	2
EMA-TR-421	6.00	7.00	39	10	8	4	0
EMA-TR-421	7.00	8.00	58	9	7	5	0
EMA-TR-421	8.00	9.00	83	18	10	14	1
EMA-TR-421	9.00	10.00	345	34	12	112	4
EMA-TR-421	10.00	11.00	385	35	14	131	5
EMA-TR-421	11.00	12.00	436	38	16	161	6
EMA-TR-421	12.00	13.00	393	37	19	140	7
EMA-TR-421	13.00	14.00	401	37	24	138	9
EMA-TR-421	14.00	15.00	267	37	24	93	6
EMA-TR-421	15.00	16.00	345	38	31	121	10
EMA-TR-422	3.00	4.00	63	29	8	18	0
EMA-TR-422	4.00	5.00	166	34	8	55	1
EMA-TR-422	5.00	6.00	285	39	12	107	3
EMA-TR-422	6.00	7.00	304	41	19	119	5
EMA-TR-422	7.00	8.00	343	40	26	129	9
EMA-TR-422	8.00	9.00	411	38	33	141	14
EMA-TR-422	9.00	10.00	339	33	42	99	14

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-422	10.00	11.00	436	32	43	120	19
EMA-TR-422	11.00	12.00	310	30	43	79	14
EMA-TR-422	12.00	13.00	149	28	43	35	6
EMA-TR-424	5.00	6.00	69	21	13	14	1
EMA-TR-424	6.00	7.00	87	26	10	22	1
EMA-TR-424	7.00	8.00	110	33	11	36	1
EMA-TR-424	8.00	9.00	196	38	14	71	2
EMA-TR-424	9.00	10.00	316	38	16	114	4
EMA-TR-424	10.00	11.00	306	38	17	110	5
EMA-TR-424	11.00	12.00	261	38	17	96	4
EMA-TR-424	12.00	13.00	189	38	17	68	3
EMA-TR-424	13.00	14.00	153	38	20	55	3
EMA-TR-424	14.00	15.00	124	36	21	42	2
EMA-TR-426	3.00	4.00	67	13	7	9	0
EMA-TR-426	4.00	5.00	63	17	6	10	0
EMA-TR-426	5.00	6.00	114	26	13	29	1
EMA-TR-426	6.00	7.00	137	36	12	48	1
EMA-TR-426	7.00	8.00	156	41	15	61	2
EMA-TR-426	8.00	9.00	368	43	20	151	6
EMA-TR-426	9.00	10.00	420	43	23	173	8
EMA-TR-426	10.00	11.00	638	45	27	273	15
EMA-TR-426	11.00	12.00	451	42	28	178	11
EMA-TR-426	12.00	13.00	662	44	29	273	16
EMA-TR-428	5.00	6.00	61	10	12	5	1
EMA-TR-428	6.00	7.00	66	12	14	7	1
EMA-TR-428	7.00	8.00	90	13	7	11	0
EMA-TR-428	8.00	9.00	126	20	6	24	1
EMA-TR-428	9.00	10.00	143	27	8	38	1
EMA-TR-428	10.00	11.00	160	35	10	55	1
EMA-TR-428	11.00	12.00	297	41	12	119	3
EMA-TR-428	12.00	13.00	301	44	16	127	5
EMA-TR-428	13.00	14.00	327	43	17	136	5
EMA-TR-428	14.00	14.50	380	44	19	162	7
EMA-TR-429	6.00	7.00	66	13	6	8	0

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HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-429	7.00	8.00	161	10	5	16	1
EMA-TR-429	8.00	9.00	178	13	4	23	1
EMA-TR-429	9.00	10.00	179	19	5	34	1
EMA-TR-429	10.00	11.00	196	26	9	49	2
EMA-TR-429	11.00	12.00	211	31	10	63	2
EMA-TR-429	12.00	13.00	211	32	10	65	2
EMA-TR-429	13.00	14.00	413	41	20	161	8
EMA-TR-429	14.00	15.00	931	44	28	387	24
EMA-TR-429	15.00	15.50	752	42	31	294	21
EMA-TR-430	8.00	9.00	285	42	15	116	4
EMA-TR-430	9.00	10.00	633	47	21	284	11
EMA-TR-430	10.00	11.00	673	47	23	302	14
EMA-TR-430	11.00	12.00	837	46	26	364	20
EMA-TR-430	12.00	13.00	920	44	29	379	25
EMA-TR-430	13.00	14.00	829	43	33	330	26
EMA-TR-430	14.00	15.00	791	38	38	276	28
EMA-TR-431	5.00	6.00	42	19	14	7	1
EMA-TR-431	6.00	7.00	101	18	8	17	1
EMA-TR-431	7.00	8.00	138	20	7	26	1
EMA-TR-431	8.00	9.00	196	23	8	45	1
EMA-TR-431	9.00	10.00	331	31	10	98	3
EMA-TR-431	10.00	11.00	290	35	12	98	3
EMA-TR-431	11.00	12.00	365	39	16	138	5
EMA-TR-431	12.00	13.00	864	42	22	349	17
EMA-TR-431	13.00	14.00	553	41	27	212	14
EMA-TR-431	14.00	15.00	726	40	32	266	22
EMA-TR-432	1.00	2.00	28	7	11	2	0
EMA-TR-432	2.00	3.00	43	9	5	4	0
EMA-TR-432	3.00	4.00	59	3	3	2	0
EMA-TR-432	4.00	5.00	78	10	14	7	1
EMA-TR-432	5.00	6.00	81	7	5	6	0
EMA-TR-432	6.00	7.00	66	15	17	8	3
EMA-TR-432	7.00	8.00	85	13	9	10	1
EMA-TR-432	8.00	9.00	165	17	8	27	1

BRAZILIAN CRITICAL MINERALS

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-432	9.00	10.00	262	20	10	50	1
EMA-TR-432	10.00	11.00	125	26	15	31	2
EMA-TR-433	9.00	10.00	45	16	16	7	0
EMA-TR-433	10.00	11.00	28	14	7	4	0
EMA-TR-433	11.00	12.00	38	16	8	6	0
EMA-TR-433	12.00	13.00	76	21	8	16	0
EMA-TR-433	13.00	14.00	89	26	8	22	1
EMA-TR-433	14.00	15.00	137	32	11	43	1
EMA-TR-433	15.00	16.00	188	37	15	68	2
EMA-TR-433	16.00	17.00	353	41	22	139	7
EMA-TR-433	17.00	18.00	341	40	23	130	7
EMA-TR-433	18.00	19.00	288	40	28	109	7
EMA-TR-435	5.00	6.00	137	38	12	51	1
EMA-TR-435	6.00	7.00	53	15	6	8	0
EMA-TR-435	7.00	8.00	67	21	6	14	0
EMA-TR-435	8.00	9.00	100	25	8	24	1
EMA-TR-435	9.00	10.00	89	27	9	23	1
EMA-TR-435	10.00	11.00	72	29	10	20	1
EMA-TR-435	11.00	12.00	124	34	12	41	1
EMA-TR-435	12.00	13.00	168	38	18	60	3
EMA-TR-435	13.00	14.00	360	38	24	128	8
EMA-TR-435	14.00	14.50	391	37	26	135	9
EMA-TR-436	9.00	10.00	74	24	9	17	1
EMA-TR-436	10.00	11.00	95	27	8	25	1
EMA-TR-436	11.00	12.00	94	30	7	27	1
EMA-TR-436	12.00	13.00	118	32	9	37	1
EMA-TR-436	13.00	14.00	111	34	8	37	1
EMA-TR-436	14.00	15.00	111	35	10	38	1
EMA-TR-436	15.00	16.00	129	37	10	47	1
EMA-TR-436	16.00	17.00	121	39	12	46	1
EMA-TR-436	17.00	18.00	57	40	18	22	1
EMA-TR-436	18.00	19.00	259	38	28	93	6
EMA-TR-437	9.00	10.00	40	15	10	6	0
EMA-TR-437	10.00	11.00	38	13	8	5	0

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-437	11.00	12.00	43	16	7	7	0
EMA-TR-437	12.00	13.00	52	17	8	9	0
EMA-TR-437	13.00	14.00	51	20	8	10	0
EMA-TR-437	14.00	15.00	55	24	7	13	0
EMA-TR-437	15.00	16.00	89	30	9	26	1
EMA-TR-437	16.00	17.00	129	38	12	48	1
EMA-TR-437	17.00	18.00	337	42	17	135	5
EMA-TR-437	18.00	19.00	367	42	20	147	6
EMA-TR-438	13.00	14.00	302	40	9	118	2
EMA-TR-438	14.00	15.00	295	39	9	113	2
EMA-TR-438	15.00	16.00	350	40	10	137	2
EMA-TR-438	16.00	17.00	302	40	10	119	2
EMA-TR-438	17.00	18.00	236	39	11	89	2
EMA-TR-438	18.00	19.00	247	38	11	93	2
EMA-TR-438	19.00	20.00	269	38	13	98	3
EMA-TR-438	20.00	21.00	210	38	16	76	3
EMA-TR-438	21.00	22.00	249	37	19	87	4
EMA-TR-438	22.00	22.50	225	36	17	79	3
EMA-TR-439	6.00	7.00	28	7	7	2	0
EMA-TR-439	7.00	8.00	20	5	5	1	0
EMA-TR-439	8.00	9.00	35	3	6	1	0
EMA-TR-439	9.00	10.00	60	10	5	6	0
EMA-TR-439	10.00	11.00	103	23	9	23	1
EMA-TR-439	11.00	12.00	299	35	15	100	4
EMA-TR-439	12.00	13.00	348	38	18	127	6
EMA-TR-439	13.00	14.00	501	38	21	182	9
EMA-TR-439	14.00	15.00	196	37	26	67	5
EMA-TR-439	15.00	16.00	127	35	30	41	4
EMA-TR-440	9.00	10.00	175	41	18	69	3
EMA-TR-440	10.00	11.00	383	43	23	156	8
EMA-TR-440	11.00	12.00	527	44	24	221	11
EMA-TR-440	12.00	13.00	468	44	24	194	10
EMA-TR-440	13.00	14.00	478	43	24	195	10
EMA-TR-440	14.00	15.00	342	44	23	142	7

BRAZILIAN CRITICAL MINERALS

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-440	15.00	16.00	478	43	22	198	9
EMA-TR-440	16.00	17.00	400	42	23	159	8
EMA-TR-440	17.00	18.00	398	42	24	157	9
EMA-TR-440	18.00	19.00	428	43	27	172	10
EMA-TR-441	0.50	1.00	8	13	13	1	0
EMA-TR-441	1.00	2.00	12	8	17	1	0
EMA-TR-441	2.00	3.00	16	13	13	2	0
EMA-TR-441	3.00	4.00	31	16	10	5	0
EMA-TR-441	4.00	5.00	62	16	8	10	0
EMA-TR-441	5.00	6.00	77	19	9	14	1
EMA-TR-441	6.00	7.00	106	28	10	29	1
EMA-TR-441	7.00	8.00	171	36	16	60	2
EMA-TR-442	17.00	18.00	300	36	26	101	8
EMA-TR-442	18.00	19.00	249	36	25	83	6
EMA-TR-442	19.00	20.00	301	37	25	102	8
EMA-TR-442	20.00	21.00	290	37	26	98	8
EMA-TR-442	21.00	22.00	278	36	27	94	7
EMA-TR-442	22.00	23.00	313	36	27	105	9
EMA-TR-442	23.00	24.00	319	36	29	106	9
EMA-TR-442	24.00	25.00	283	35	29	92	8
EMA-TR-442	25.00	26.00	255	35	31	81	8
EMA-TR-442	26.00	27.00	181	35	32	57	6
EMA-TR-443	8.00	9.00	13	15	15	2	0
EMA-TR-443	9.00	10.00	14	7	7	1	0
EMA-TR-443	10.00	11.00	23	4	4	1	0
EMA-TR-443	11.00	12.00	39	10	5	4	0
EMA-TR-443	12.00	13.00	56	20	7	11	0
EMA-TR-443	13.00	14.00	97	30	12	28	1
EMA-TR-443	14.00	15.00	151	34	15	49	2
EMA-TR-443	15.00	16.00	215	35	18	72	4
EMA-TR-443	16.00	17.00	224	36	21	76	5
EMA-TR-443	17.00	18.00	299	40	26	113	8
EMA-TR-444	8.00	9.00	35	14	11	5	0
EMA-TR-444	9.00	10.00	48	19	10	9	0

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-444	10.00	11.00	74	26	8	18	1
EMA-TR-444	11.00	12.00	45	29	9	13	0
EMA-TR-444	12.00	13.00	131	34	11	44	1
EMA-TR-444	13.00	14.00	173	39	13	65	2
EMA-TR-444	14.00	15.00	263	42	15	108	3
EMA-TR-444	15.00	16.00	363	44	19	153	6
EMA-TR-444	16.00	17.00	420	43	22	171	9
EMA-TR-444	17.00	18.00	550	43	25	222	13
EMA-TR-447	9.00	10.00	196	30	12	57	2
EMA-TR-447	10.00	11.00	225	31	13	68	2
EMA-TR-447	11.00	12.00	265	32	15	82	4
EMA-TR-447	12.00	13.00	320	35	19	105	6
EMA-TR-447	13.00	14.00	379	35	22	123	8
EMA-TR-447	14.00	15.00	292	34	22	92	7
EMA-TR-447	15.00	16.00	334	34	22	106	7
EMA-TR-447	16.00	17.00	342	36	21	115	7
EMA-TR-447	17.00	18.00	217	38	23	78	5
EMA-TR-447	18.00	19.00	180	38	25	65	4
EMA-TR-448	12.00	13.00	293	40	12	113	3
EMA-TR-448	13.00	14.00	350	41	13	141	3
EMA-TR-448	14.00	15.00	354	42	14	144	4
EMA-TR-448	15.00	16.00	422	42	15	174	5
EMA-TR-448	16.00	17.00	426	42	17	174	6
EMA-TR-448	17.00	18.00	398	42	19	161	6
EMA-TR-448	18.00	19.00	263	41	24	104	5
EMA-TR-448	19.00	20.00	518	40	26	196	12
EMA-TR-448	20.00	21.00	461	39	27	171	11
EMA-TR-448	21.00	22.00	327	40	29	121	9
EMA-TR-450	14.00	15.00	13	15	8	2	0
EMA-TR-450	15.00	16.00	13	15	8	2	0
EMA-TR-450	16.00	17.00	14	14	7	2	0
EMA-TR-450	17.00	18.00	14	14	7	2	0
EMA-TR-450	18.00	19.00	24	21	13	5	0
EMA-TR-450	19.00	20.00	30	20	10	6	0

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-450	20.00	21.00	34	24	9	8	0
EMA-TR-450	21.00	22.00	83	34	17	27	1
EMA-TR-450	22.00	23.00	195	39	23	72	4
EMA-TR-450	23.00	24.00	448	42	28	177	12
EMA-TR-454	5.00	6.00	35	6	9	2	0
EMA-TR-454	6.00	7.00	30	7	7	2	0
EMA-TR-454	7.00	8.00	31	13	10	4	0
EMA-TR-454	8.00	9.00	34	15	9	5	0
EMA-TR-454	9.00	10.00	36	17	11	6	0
EMA-TR-454	10.00	11.00	60	25	15	14	1
EMA-TR-454	11.00	12.00	92	35	22	30	2
EMA-TR-454	12.00	13.00	243	39	29	87	7
EMA-TR-454	13.00	14.00	291	39	33	105	9
EMA-TR-454	14.00	15.00	319	39	37	112	11
EMA-TR-455	0.50	1.00	22	18	23	4	0
EMA-TR-455	1.00	2.00	34	15	15	5	0
EMA-TR-455	2.00	3.00	31	16	13	5	0
EMA-TR-455	3.00	4.00	36	17	14	5	1
EMA-TR-455	4.00	5.00	29	14	14	4	0
EMA-TR-455	5.00	6.00	33	21	18	6	1
EMA-TR-455	6.00	7.00	41	27	20	10	1
EMA-TR-455	7.00	8.00	75	39	21	27	2
EMA-TR-455	8.00	9.00	205	44	24	86	5
EMA-TR-456	10.00	11.00	145	41	11	58	1
EMA-TR-456	11.00	12.00	221	43	10	94	2
EMA-TR-456	12.00	13.00	364	51	11	182	3
EMA-TR-456	13.00	14.00	764	54	13	408	7
EMA-TR-456	14.00	15.00	557	49	14	265	6
EMA-TR-456	15.00	16.00	677	46	18	304	10
EMA-TR-456	16.00	17.00	823	46	23	361	16
EMA-TR-456	17.00	18.00	746	43	26	305	18
EMA-TR-456	18.00	19.00	702	42	36	274	23
EMA-TR-456	19.00	20.00	596	37	40	193	25
EMA-TR-458	14.00	15.00	128	41	20	49	3

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-458	15.00	16.00	140	42	21	56	3
EMA-TR-458	16.00	17.00	150	43	23	60	4
EMA-TR-458	17.00	18.00	178	44	21	74	4
EMA-TR-458	18.00	19.00	265	44	22	111	6
EMA-TR-458	19.00	20.00	429	42	26	168	11
EMA-TR-458	20.00	21.00	316	39	32	112	10
EMA-TR-458	21.00	22.00	263	37	36	87	9
EMA-TR-458	22.00	23.00	277	35	39	87	10
EMA-TR-458	23.00	24.00	235	32	42	67	9
EMA-TR-462	14.00	15.00	145	38	8	54	1
EMA-TR-462	15.00	16.00	173	39	8	67	1
EMA-TR-462	16.00	17.00	152	40	9	60	1
EMA-TR-462	17.00	18.00	160	41	8	64	1
EMA-TR-462	18.00	19.00	160	41	8	64	1
EMA-TR-462	19.00	20.00	173	40	9	69	1
EMA-TR-462	20.00	21.00	216	42	9	89	1
EMA-TR-462	21.00	22.00	393	49	10	190	3
EMA-TR-462	22.00	23.00	278	43	11	118	2
EMA-TR-462	23.00	24.00	419	48	13	196	4
EMA-TR-464	3.00	4.00	40	23	8	9	0
EMA-TR-464	4.00	5.00	46	22	9	10	0
EMA-TR-464	5.00	6.00	45	22	9	10	0
EMA-TR-464	6.00	7.00	97	29	8	27	1
EMA-TR-464	7.00	8.00	151	34	8	51	1
EMA-TR-464	8.00	9.00	176	39	9	68	1
EMA-TR-464	9.00	10.00	187	43	9	79	1
EMA-TR-464	10.00	11.00	190	44	9	82	1
EMA-TR-464	11.00	12.00	342	47	13	157	3
EMA-TR-464	12.00	13.00	291	42	14	119	3
EMA-TR-465	8.00	9.00	599	44	16	253	8
EMA-TR-465	9.00	10.00	676	44	21	284	12
EMA-TR-465	10.00	11.00	717	43	25	289	16
EMA-TR-465	11.00	12.00	815	38	29	288	21
EMA-TR-465	12.00	13.00	994	37	36	338	33

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-465	13.00	14.00	917	34	42	276	36
EMA-TR-465	14.00	15.00	1,074	26	51	231	44
EMA-TR-465	15.00	16.00	830	26	58	171	45
EMA-TR-465	16.00	17.00	395	25	60	74	23
EMA-TR-465	17.00	18.00	115	30	44	29	5
EMA-TR-466	3.00	4.00	5	20	0	1	0
EMA-TR-466	4.00	5.00	5	20	0	1	0
EMA-TR-466	5.00	6.00	8	13	13	1	0
EMA-TR-466	6.00	7.00	9	11	11	1	0
EMA-TR-466	7.00	8.00	18	11	11	2	0
EMA-TR-466	8.00	9.00	35	14	11	5	0
EMA-TR-466	9.00	10.00	82	23	11	18	1
EMA-TR-466	10.00	11.00	68	32	15	21	1
EMA-TR-466	11.00	12.00	129	41	19	51	2
EMA-TR-466	12.00	13.00	169	43	21	70	3
EMA-TR-467	6.00	7.00	24	8	8	2	0
EMA-TR-467	7.00	8.00	25	16	8	4	0
EMA-TR-467	8.00	9.00	32	22	9	7	0
EMA-TR-467	9.00	10.00	42	24	7	10	0
EMA-TR-467	10.00	11.00	30	27	10	8	0
EMA-TR-467	11.00	12.00	31	32	13	10	0
EMA-TR-467	12.00	13.00	58	41	16	23	1
EMA-TR-467	13.00	14.00	159	44	20	67	3
EMA-TR-467	14.00	15.00	264	42	22	106	6
EMA-TR-467	15.00	15.50	219	41	24	85	5
EMA-TR-469	11.00	12.00	71	31	10	21	1
EMA-TR-469	12.00	13.00	75	32	9	23	1
EMA-TR-469	13.00	14.00	89	35	9	30	1
EMA-TR-469	14.00	15.00	115	37	10	41	1
EMA-TR-469	15.00	16.00	130	37	11	47	1
EMA-TR-469	16.00	17.00	117	38	10	43	1
EMA-TR-469	17.00	18.00	163	38	11	61	1
EMA-TR-469	18.00	19.00	159	39	11	61	1
EMA-TR-469	19.00	20.00	181	41	11	72	2

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-469	20.00	21.00	166	42	12	68	2
EMA-TR-470	7.00	8.00	54	7	6	4	0
EMA-TR-470	8.00	9.00	101	17	9	16	1
EMA-TR-470	9.00	10.00	125	29	14	35	1
EMA-TR-470	10.00	11.00	212	36	17	74	3
EMA-TR-470	11.00	12.00	199	39	19	74	3
EMA-TR-470	12.00	13.00	267	42	21	106	5
EMA-TR-470	13.00	14.00	161	42	22	65	3
EMA-TR-470	14.00	15.00	545	47	27	245	12
EMA-TR-470	15.00	16.00	274	41	32	106	7
EMA-TR-470	16.00	17.00	546	42	29	218	13
EMA-TR-472	0.50	1.00	11	9	18	1	0
EMA-TR-472	1.00	2.00	20	5	10	1	0
EMA-TR-472	2.00	3.00	30	3	7	1	0
EMA-TR-472	3.00	4.00	21	5	10	1	0
EMA-TR-472	4.00	5.00	36	3	6	1	0
EMA-TR-472	5.00	6.00	40	3	8	1	0
EMA-TR-472	6.00	7.00	47	4	9	2	0
EMA-TR-472	7.00	8.00	51	6	10	2	1
EMA-TR-472	8.00	9.00	204	25	18	46	4
EMA-TR-475	1.00	2.00	43	16	7	7	0
EMA-TR-475	2.00	3.00	59	24	10	13	1
EMA-TR-475	3.00	4.00	55	29	11	15	1
EMA-TR-475	4.00	5.00	56	34	11	18	1
EMA-TR-475	5.00	6.00	93	40	11	36	1
EMA-TR-475	6.00	7.00	109	41	13	44	1
EMA-TR-475	7.00	8.00	216	46	16	96	3
EMA-TR-475	8.00	9.00	278	45	20	121	5
EMA-TR-475	9.00	10.00	516	45	25	221	13
EMA-TR-475	10.00	11.00	493	43	27	200	13
EMA-TR-477	9.00	10.00	82	30	9	24	1
EMA-TR-477	10.00	11.00	160	35	11	55	1
EMA-TR-477	11.00	12.00	179	40	17	69	3
EMA-TR-477	12.00	13.00	495	43	21	203	10

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-477	13.00	14.00	1,006	43	24	412	22
EMA-TR-483	9.00	10.00	48	13	6	6	0
EMA-TR-483	10.00	11.00	42	19	7	8	0
EMA-TR-483	11.00	12.00	61	21	7	13	0
EMA-TR-483	12.00	13.00	89	27	8	23	1
EMA-TR-483	13.00	14.00	97	33	10	31	1
EMA-TR-483	14.00	15.00	208	37	14	74	2
EMA-TR-483	15.00	16.00	232	37	18	82	3
EMA-TR-483	16.00	17.00	367	36	23	124	7
EMA-TR-483	17.00	18.00	415	36	27	141	10
EMA-TR-483	18.00	19.00	387	37	29	134	10
EMA-TR-484	2.00	3.00	39	5	5	2	0
EMA-TR-484	3.00	4.00	47	4	4	2	0
EMA-TR-484	4.00	5.00	55	7	4	4	0
EMA-TR-484	5.00	6.00	48	8	6	4	0
EMA-TR-484	6.00	7.00	50	16	6	8	0
EMA-TR-484	7.00	8.00	54	22	7	12	0
EMA-TR-484	8.00	9.00	81	28	9	22	1
EMA-TR-484	9.00	10.00	105	37	12	38	1
EMA-TR-484	10.00	11.00	193	46	18	86	3
EMA-TR-484	11.00	12.00	224	46	23	98	5
EMA-TR-485	3.00	4.00	49	4	4	2	0
EMA-TR-485	4.00	5.00	51	4	4	2	0
EMA-TR-485	5.00	6.00	65	12	5	8	0
EMA-TR-485	6.00	7.00	178	23	7	40	1
EMA-TR-485	7.00	8.00	172	29	8	49	1
EMA-TR-485	8.00	9.00	191	32	8	61	1
EMA-TR-485	9.00	10.00	99	35	9	34	1
EMA-TR-485	10.00	11.00	123	37	11	44	1
EMA-TR-485	11.00	12.00	144	40	17	55	2
EMA-TR-485	12.00	13.00	341	43	23	140	7
EMA-TR-486	4.00	5.00	20	5	5	1	0
EMA-TR-486	5.00	6.00	42	26	12	10	1
EMA-TR-486	6.00	7.00	53	26	11	13	1

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-486	7.00	8.00	116	19	8	21	1
EMA-TR-486	8.00	9.00	63	14	6	9	0
EMA-TR-486	9.00	10.00	109	32	11	34	1
EMA-TR-486	10.00	11.00	175	40	14	68	2
EMA-TR-486	11.00	12.00	335	45	19	145	5
EMA-TR-486	12.00	13.00	434	45	23	186	8
EMA-TR-486	13.00	14.00	611	45	25	260	12
EMA-TR-489	5.00	6.00	98	18	6	18	0
EMA-TR-489	6.00	7.00	187	30	9	56	1
EMA-TR-489	7.00	8.00	305	36	10	108	2
EMA-TR-489	8.00	9.00	327	41	12	130	3
EMA-TR-489	9.00	10.00	326	40	12	127	3
EMA-TR-489	10.00	11.00	501	43	14	211	6
EMA-TR-489	11.00	12.00	523	44	15	225	6
EMA-TR-489	12.00	13.00	527	45	16	232	7
EMA-TR-489	13.00	14.00	472	45	18	204	7
EMA-TR-489	14.00	15.00	744	44	22	311	14
EMA-TR-492	9.00	10.00	122	22	7	26	1
EMA-TR-492	10.00	11.00	153	25	8	38	1
EMA-TR-492	11.00	12.00	136	28	9	37	1
EMA-TR-492	12.00	13.00	161	31	10	49	1
EMA-TR-492	13.00	14.00	185	35	10	63	1
EMA-TR-492	14.00	15.00	391	38	13	145	3
EMA-TR-492	15.00	16.00	645	40	18	246	9
EMA-TR-492	16.00	17.00	555	38	27	198	13
EMA-TR-492	17.00	18.00	733	35	34	238	22
EMA-TR-492	18.00	19.00	1,693	34	40	502	66
EMA-TR-493	7.00	8.00	68	35	13	23	1
EMA-TR-493	8.00	9.00	245	37	12	89	2
EMA-TR-493	9.00	10.00	151	38	16	56	2
EMA-TR-493	10.00	11.00	494	38	18	182	8
EMA-TR-493	11.00	12.00	367	37	21	128	7
EMA-TR-493	12.00	13.00	312	38	22	111	6
EMA-TR-493	13.00	14.00	324	37	23	113	6

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-493	14.00	15.00	336	36	25	114	7
EMA-TR-493	15.00	16.00	276	35	27	90	7
EMA-TR-493	16.00	17.00	275	33	31	84	8
EMA-TR-495	9.00	10.00	23	9	4	2	0
EMA-TR-495	10.00	11.00	23	9	4	2	0
EMA-TR-495	11.00	12.00	59	17	7	10	0
EMA-TR-495	12.00	13.00	71	24	6	17	0
EMA-TR-495	13.00	14.00	149	27	7	39	1
EMA-TR-495	14.00	15.00	67	27	7	18	0
EMA-TR-495	15.00	16.00	155	28	8	42	1
EMA-TR-495	16.00	17.00	77	27	8	21	0
EMA-TR-495	17.00	18.00	123	31	9	37	1
EMA-TR-495	18.00	18.50	105	33	10	34	1
EMA-TR-497	7.00	8.00	86	23	7	20	0
EMA-TR-497	8.00	9.00	60	27	7	16	0
EMA-TR-497	9.00	10.00	62	29	8	18	0
EMA-TR-497	10.00	11.00	80	31	9	25	0
EMA-TR-497	11.00	12.00	78	36	9	27	1
EMA-TR-497	12.00	13.00	90	40	11	35	1
EMA-TR-497	13.00	14.00	234	41	16	92	3
EMA-TR-497	14.00	15.00	203	39	20	77	3
EMA-TR-497	15.00	16.00	210	38	25	75	5
EMA-TR-497	16.00	17.00	331	35	32	107	10
EMA-TR-498	9.00	10.00	63	22	6	14	0
EMA-TR-498	10.00	11.00	84	26	8	22	0
EMA-TR-498	11.00	12.00	133	31	8	40	1
EMA-TR-498	12.00	13.00	157	34	9	52	1
EMA-TR-498	13.00	14.00	213	35	9	73	1
EMA-TR-498	14.00	15.00	225	36	10	78	2
EMA-TR-498	15.00	16.00	176	36	11	62	1
EMA-TR-498	16.00	17.00	235	36	11	83	2
EMA-TR-498	17.00	18.00	198	36	12	70	2
EMA-TR-498	18.00	19.00	237	35	12	82	2
EMA-TR-500	10.00	11.00	112	39	13	43	1

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-500	11.00	12.00	164	42	14	67	2
EMA-TR-500	12.00	13.00	195	43	12	82	2
EMA-TR-500	13.00	14.00	199	43	13	83	2
EMA-TR-500	14.00	15.00	259	44	13	111	3
EMA-TR-500	15.00	16.00	268	44	13	114	3
EMA-TR-500	16.00	17.00	220	43	14	92	2
EMA-TR-500	17.00	18.00	252	42	17	101	4
EMA-TR-500	18.00	19.00	574	42	18	234	9
EMA-TR-500	19.00	20.00	562	43	19	235	9
EMA-TR-501	0.50	1.00	40	20	13	8	0
EMA-TR-501	1.00	2.00	31	16	10	5	0
EMA-TR-501	2.00	3.00	50	16	10	8	0
EMA-TR-501	3.00	4.00	71	20	8	14	0
EMA-TR-501	4.00	5.00	82	26	9	20	1
EMA-TR-501	5.00	6.00	124	31	9	38	1
EMA-TR-501	6.00	7.00	120	38	10	45	1
EMA-TR-501	7.00	8.00	285	42	11	116	3
EMA-TR-503	4.00	5.00	33	24	9	8	0
EMA-TR-503	5.00	6.00	37	24	8	9	0
EMA-TR-503	6.00	7.00	108	39	14	41	1
EMA-TR-503	7.00	8.00	259	42	19	104	4
EMA-TR-503	8.00	9.00	302	42	18	123	5
EMA-TR-503	9.00	10.00	216	42	17	88	3
EMA-TR-503	10.00	11.00	245	42	17	100	4
EMA-TR-503	11.00	12.00	317	42	19	127	5
EMA-TR-503	12.00	13.00	475	41	25	185	10
EMA-TR-503	13.00	14.00	422	40	27	158	10
EMA-TR-504	0.50	1.00	34	26	24	9	0
EMA-TR-504	1.00	2.00	11	18	18	2	0
EMA-TR-504	2.00	3.00	69	17	7	12	0
EMA-TR-504	3.00	4.00	157	18	8	28	1
EMA-TR-504	4.00	5.00	384	35	19	128	6
EMA-TR-504	5.00	6.00	374	41	26	144	8
EMA-TR-504	6.00	7.00	308	40	32	115	8

HoleID	From	To	Soluble TREO	MREO %	HREO %	Soluble NdPr ppm	Soluble DyTb ppm
EMA-TR-505	5.00	6.00	8	13	0	1	0
EMA-TR-505	6.00	7.00	16	6	0	1	0
EMA-TR-505	7.00	8.00	22	5	9	1	0
EMA-TR-505	8.00	9.00	30	7	3	2	0
EMA-TR-505	9.00	10.00	24	17	4	4	0
EMA-TR-505	10.00	11.00	66	24	6	16	0
EMA-TR-505	11.00	12.00	83	33	8	26	1
EMA-TR-505	12.00	13.00	158	39	12	61	1
EMA-TR-505	13.00	14.00	241	42	15	99	3
EMA-TR-505	14.00	15.00	528	43	19	221	8

Many drillholes did not intersect the complete weathering profile, with some holes stopping in the pedolith or top of saprolite domains due to the depth limitations of the auger drilling, particularly below the water table, and difficulties in penetrating semi-weathered rocks.

Appendix 3: Auger drill-hole locations

Hole ID	East	North	RL (m)	Depth (m)	Azimuth	Dip	Tenement
EMA-TR-413	191,812.00	9,184,198.00	164.94	19.00	0	-90	880.184/2016
EMA-TR-416	192,628.94	9,184,187.89	123.66	11.00	0	-90	880.184/2016
EMA-TR-417	192,615.47	9,183,818.28	136.97	20.00	0	-90	880.184/2016
EMA-TR-418	192,176.12	9,183,443.37	154.96	8.00	0	-90	880.184/2016
EMA-TR-420	192,030.64	9,183,600.72	203.57	19.00	0	-90	880.184/2016
EMA-TR-421	191,799.96	9,183,415.90	190.76	16.00	0	-90	880.184/2016
EMA-TR-422	191,392.48	9,183,441.10	191.16	13.00	0	-90	880.184/2016
EMA-TR-424	192,370.69	9,183,609.30	141.03	15.00	0	-90	880.184/2016
EMA-TR-426	193,022.31	9,184,202.47	140.81	13.00	0	-90	880.184/2016
EMA-TR-428	193,603.04	9,183,616.46	125.73	14.50	0	-90	880.184/2016
EMA-TR-429	193,613.32	9,183,214.87	159.91	15.50	0	-90	880.184/2016
EMA-TR-430	193,407.28	9,183,019.32	174.71	15.00	0	-90	880.184/2016
EMA-TR-431	193,621.60	9,182,845.93	190.52	15.00	0	-90	880.184/2016

Hole ID	East	North	RL (m)	Depth (m)	Azimuth	Dip	Tenement
EMA-TR-432	191,769.58	9,183,016.70	142.18	11.00	0	-90	880.184/2016
EMA-TR-433	191,634.23	9,182,813.50	139.40	19.00	0	-90	880.184/2016
EMA-TR-435	191,992.91	9,183,190.84	153.89	14.50	0	-90	880.184/2016
EMA-TR-436	191,378.45	9,183,015.13	133.37	19.00	0	-90	880.184/2016
EMA-TR-437	190,994.60	9,182,599.61	136.57	19.00	0	-90	880.184/2016
EMA-TR-438	191,190.64	9,183,225.71	183.03	22.50	0	-90	880.184/2016
EMA-TR-439	190,383.85	9,182,383.00	135.52	16.00	0	-90	880.184/2016
EMA-TR-440	190,214.96	9,182,638.87	180.20	19.00	0	-90	880.184/2016
EMA-TR-441	192,261.87	9,184,201.75	129.30	8.00	0	-90	880.184/2016
EMA-TR-442	191,167.33	9,183,615.09	208.56	27.00	0	-90	880.184/2016
EMA-TR-443	191,008.99	9,183,387.07	229.44	18.00	0	-90	880.184/2016
EMA-TR-444	190,206.54	9,183,435.61	135.77	18.00	0	-90	880.184/2016
EMA-TR-447	190398.79	9,183,202.38	194.00	19.00	0	-90	880.184/2016
EMA-TR-448	190790.13	9,182,812.37	203.67	22.00	0	-90	880.184/2016
EMA-TR-450	190,398.86	9,182,802.71	226.03	24.00	0	-90	880.184/2016
EMA-TR-454	190,602.00	9,181,444.00	185.00	15.00	0	-90	880.184/2016
EMA-TR-455	190,998.00	9,181,416.00	186.00	9.00	0	-90	880.184/2016
EMA-TR-456	190,933.95	9,182,990.45	173.05	20.00	0	-90	880.184/2016
EMA-TR-458	190,840.00	9,181,186.31	172.00	24.00	0	-90	880.184/2016
EMA-TR-462	191,001.00	9,181,001.00	222.00	24.00	0	-90	880.184/2016
EMA-TR-464	191,595.00	9,181,175.00	142.00	13.00	0	-90	880.184/2016
EMA-TR-465	191,216.00	9,182,026.00	143.00	18.00	0	-90	880.184/2016
EMA-TR-466	191,757.00	9,180,606.00	153.00	13.00	0	-90	880.184/2016
EMA-TR-467	191,755.00	9,181,028.00	174.00	15.50	0	-90	880.184/2016
EMA-TR-469	191,832.00	9,181,384.00	192.00	21.00	0	-90	880.184/2016

Hole ID	East	North	RL (m)	Depth (m)	Azimuth	Dip	Tenement
EMA-TR-470	191,407.00	9,181,793.00	232.00	17.00	0	-90	880.184/2016
EMA-TR-472	191,738.00	9,181,830.00	227.00	9.00	0	-90	880.184/2016
EMA-TR-475	191,209.00	9,181,556.00	171.00	11.00	0	-90	880.184/2016
EMA-TR-477	194,047.00	9,182,810.00	160.00	14.00	0	-90	880.184/2016
EMA-TR-483	192,849.00	9,181,923.00	211.00	19.00	0	-90	880.184/2016
EMA-TR-484	192,196.00	9,182,209.00	175.00	12.00	0	-90	880.184/2016
EMA-TR-485	191,808.00	9,182,218.00	180.00	13.00	0	-90	880.184/2016
EMA-TR-486	191,921.00	9,182,362.00	116.00	14.00	0	-90	880.184/2016
EMA-TR-489	193,002.00	9,181,451.00	183.00	15.00	0	-90	880.184/2016
EMA-TR-492	193,174.00	9,181,966.00	204.00	19.00	0	-90	880.184/2016
EMA-TR-493	193,398.00	9,181,825.00	164.00	17.00	0	-90	880.184/2016
EMA-TR-495	194,186.00	9,183,074.00	142.00	18.50	0	-90	880.184/2016
EMA-TR-497	192,952.00	9,182,224.00	197.00	17.00	0	-90	880.184/2016
EMA-TR-498	194,402.00	9,182,895.00	179.00	19.00	0	-90	880.184/2016
EMA-TR-500	194,178.00	9,182,666.00	175.00	20.00	0	-90	880.184/2016
EMA-TR-501	193,401.00	9,182,572.00	153.00	8.00	0	-90	880.184/2016
EMA-TR-503	193,784.00	9,182,250.00	166.00	14.00	0	-90	880.184/2016
EMA-TR-504	193,764.00	9,183,030.00	121.00	7.00	0	-90	880.184/2016
EMA-TR-505	194,592.00	9,183,058.00	160.00	15.00	0	-90	880.184/2016

Appendix 4

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 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.	• 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 and two mining technicians. • Every 1-metre sample was collected in a big plastic bag in the field and transported to the exploration shed to be dried in the muffle. prior to homogenisation. • Samples were homogenised and subsequently riffle split with about 1 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.
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 preferential loss/gain of fine/coarse material.	• 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.
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.	• All holes were logged by BCM geologist. 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.

Item	JORC code explanation	Comments
	• Whether logging is qualitative or quantitative in nature. Core (or costean. channel. etc) photography. • The total length and percentage of the relevant intersections logged.	• 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.
	• 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.
		• Auger sampling procedure is completed in the exploration shed in Apui.
		• The entire one metre sample is bagged on site. in a big plastic bag which is transported to the exploration shed. where it is dried at 70-90C 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 at 105C. crushing of entire sample to 75% < 3mm followed by rotary splitting.
		  • a homogenization with Jones splitter
		  • homogenization with Jones splitter
		  • dry sieving at 4mm (SCR33) discharging the retained material
		  • <4mm homogenized
		• 40gr aliquot selected for leaching

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	• 1 blank sample, 1 internal reference material sample and 1 field duplicate sample were inserted by company into each 25-sample sequence. • Laboratory QA/QC procedures were followed, including blank samples. • The assay technique used was 40gr of the sample in 160 ml solution of magnesium sulphate 0.5M at pH 4 in a beaker for 30 minutes (SGS code ICM 6VV). • After leaching the pulp is vacuum filtered. • One aliquot is extracted from the solution and diluted 25 times with HNO3 2%. • The solution is analysed by ICP-MS. • Elements analysed at ppm levels:

Al 2 – 8,000	Nd 2.4 – 800
Ba 20 – 800	Ni 0.2 – 800
Be 0.4 – 800	P 4 – 8000
Bi 0.8 – 800	Pb 0.32 – 800
Ca 10 – 8000	Pr 0.06 – 800
Cd 0.12 – 800	Rb 0.8 – 200
Ce 0.20 – 800	Re 0.4 – 200
Co 0.20 – 800	Sc 0.24 – 800
Cr 1 – 800	Sm 0.04 – 200
Cs 0.2 – 200	Sn 1.2 – 200

Item	JORC code explanation	Comments
		Cu 0.04 – 800; Sr 0.16 – 800; Dy 0.028 – 200; Ta 0.2 – 200; Er 0.02 – 200; Tb 0.08 – 200; Eu 0.02 – 200; Th 0.2 – 200; Fe 2 – 8000; Ti 5 – 8000; Gd 0.02 – 200; Tl 0.08 – 200; Ho 0.016 – 200; Tm 0.012 – 200; In 0.08 – 200; U 0.04 – 200; K 20 – 8000; V 2 – 800; La 1 – 800; W 1 – 800; Li 0.4 – 800; Y 0.2 – 800; Lu 0.04 – 200; Yb 0.4 – 200; Mn 0.4 – 8000; Zn 0.5 – 800; Mo 0.2 – 200; Zr 0.2 – 800; Na 20 – 8000 The sample preparation and assay techniques used are industry standard and provide partial analysis. The SGS laboratory used for assays is ISO 9001 and 14001 and 17025 accredited.
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-

Item	JORC code explanation	Comments
		centre/resources/element-to-stoichiometric-oxide-conversion-factors).

Element ppm	Conversion Factor
Ce	1.2284
Dy	1.1477
Er	1.1435
Eu	1.1579
Gd	1.1526
Ho	1.1455
La	1.1728
Lu	1.1371
Nd	1.1664
Pr	1.2082
Sm	1.1596
Tb	1.1762
Tm	1.1421
Y	1.2699
Yb	1.1387

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+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.	• 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.

Item	JORC code explanation	Comments
	• Quality and adequacy of topographic control.	
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 in lines 400m apart with holes with 300m centers, 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 mineralised structures is considered to have introduced a sampling bias. this should be assessed and reported if material.	• 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.
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
	  ○ 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.
		• Auger locations and diagrams are presented in this announcement.
		• Details are tabulated in the announcement.

Criteria	JORC code explanation	Commentary
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. • 150ppm soluble 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 effect (eg 'down hole length. true width not known').	• 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.
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 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 100ppm soluble TREO in auger holes were reported with confirmation of IAC (Ionic Adsorbed Clay) type mineralisation obtained in almost all the auger holes from phase 1. 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.

Criteria	JORC code explanation	Commentary
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.	• Progressing with DFS. • Infill drilling at 100 meters centre in the areas for first years of production