

High Grade discoveries with enriched MREOs at Agostinho highlight Caldeira's scale

Meteoric Resources NL (**ASX: MEI**) (**Meteoric** or the **Company**) is pleased to provide an update on recent drilling completed at the Agostinho Prospect (Figure 1), located in the north of its 100%-owned Caldeira Rare Earth Ionic Clay Project (**Caldeira Project** or **Project**), in the state of Minas Gerais, Brazil.

Highlights

- **Exceptional ionic clay intercepts up to 19,183ppm Total Rare Earth Oxides (TREO)**
- **Enriched Magnetic Rare Earth Oxide (MREO) up to 6,691ppm**
- **MREO peak zones up to 38%** with an average of 30.4%, an increase of 7.4% compared to the Global Resource average.
- **Elevated Heavy Magnetic Rare Earths (HREO) up to 2% of TREO**
- **Drilled 3,301m for 116 holes with outstanding intercepts:**
 - AGOAC0107 - 24m @ 6,918ppm TREO [0m] with 27% MREO
 - including 6m @ 19,183ppm TREO [2m] with 34.9% MREO
 - AGOAC0110 - 22m @ 4,422ppm TREO [0m] with 27.7% MREO
 - including 10m @ 7,831ppm TREO [0m] with 35.6% MREO
 - AGOAC0079 - 28m @ 3,183ppm TREO [0m] with 26.9% MREO
 - including 8m @ 7,462ppm TREO [0m] with 37.6% MREO
 - AGOAC0098 - 28m @ 5,315ppm TREO [0m] with 27.4% MREO
 - AGOAC0070 - 22m @ 4,890ppm TREO [0m] with 27% MREO
 - AGOAC0092 - 22m @ 4,323ppm TREO [0m] with 27.2% MREO
- **Mineralisation averages 28.4m thickness from surface over of the entire License**

Meteoric's Chairman, Andrew Tunks said: *"The exploration and drilling teams continue to identify additional high-grade areas across the Caldeira Project. These remarkable results confirm the extensive nature of mineralisation outside the current resource base. Further it highlights that there is considerable opportunity for Meteoric to target enriched zones of magnetic rare earths and heavy rare earths using our extensive database of project wide sampling which is unmatched inside the Caldera.*

It's important to remember that we have still only infill drilled eight of the 69 licenses available at the Project and continued identification of high-grade mineralisation creates greater optionality for the potential expansion of the Project, at the right time, to support the sustainable supply of rare earth materials to the western world."

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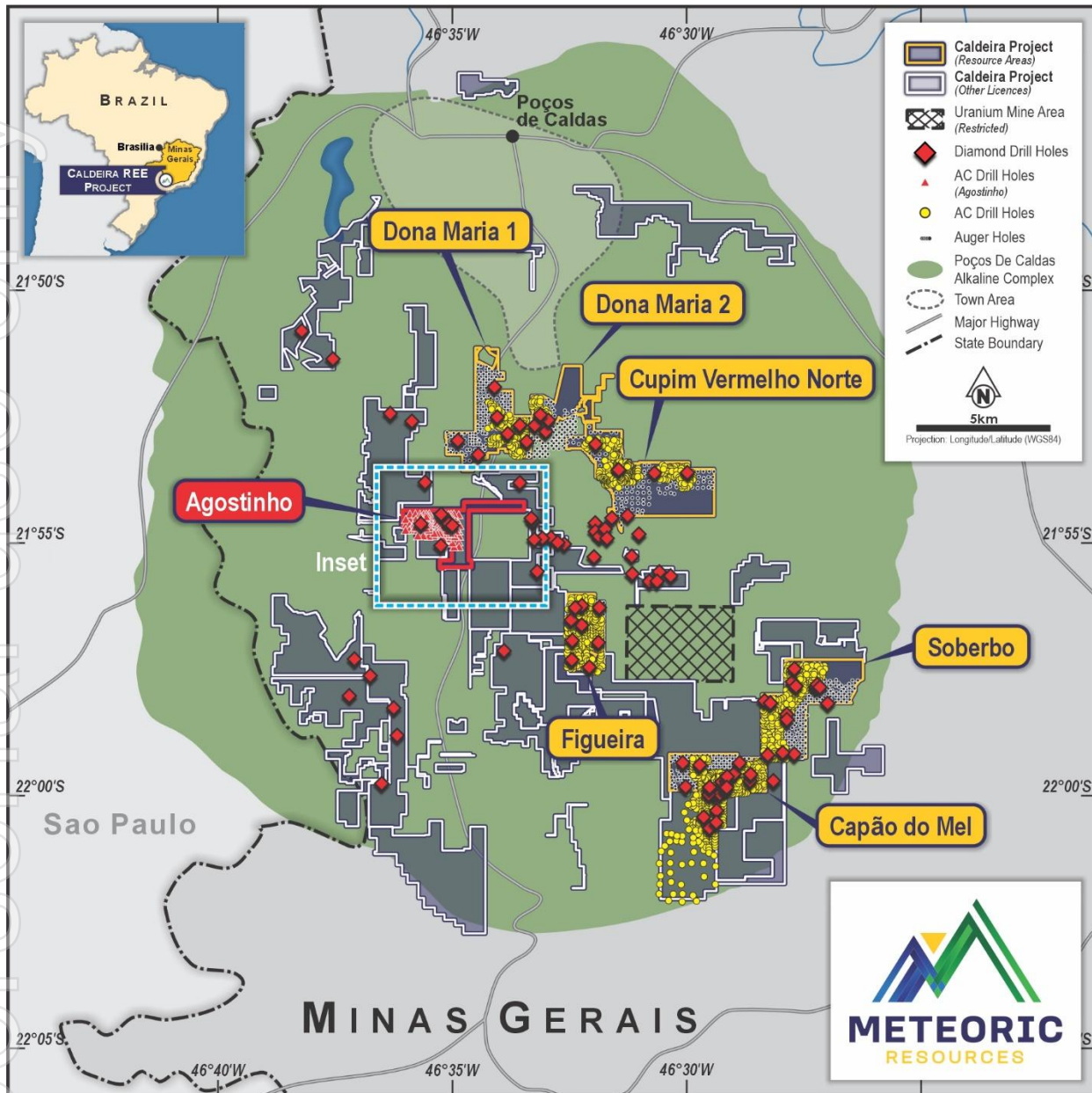


Figure 1: Licenses of the Caldeira Project showing the Agostinho license located southwest of Dona Maria 1 & 2 mining licenses. The figure shows the location of the discovery exploration diamond drill holes in the north of AGO.

Agostinho Aircore follow-up drilling program

An Aircore (AC) drilling campaign of 3,301m (116 holes) was completed over Agostinho Prospect (AGO) in September of 2024 (Appendix 1 & Figures 1 & 2). The program was designed to follow up excellent results in discovery holes: AGDD0001 - 18m @ 3,628ppm TREO [0m] and AGDD0002 - 37m @ 3,143ppm TREO [0m] (ASX Release: 30 January 2024).

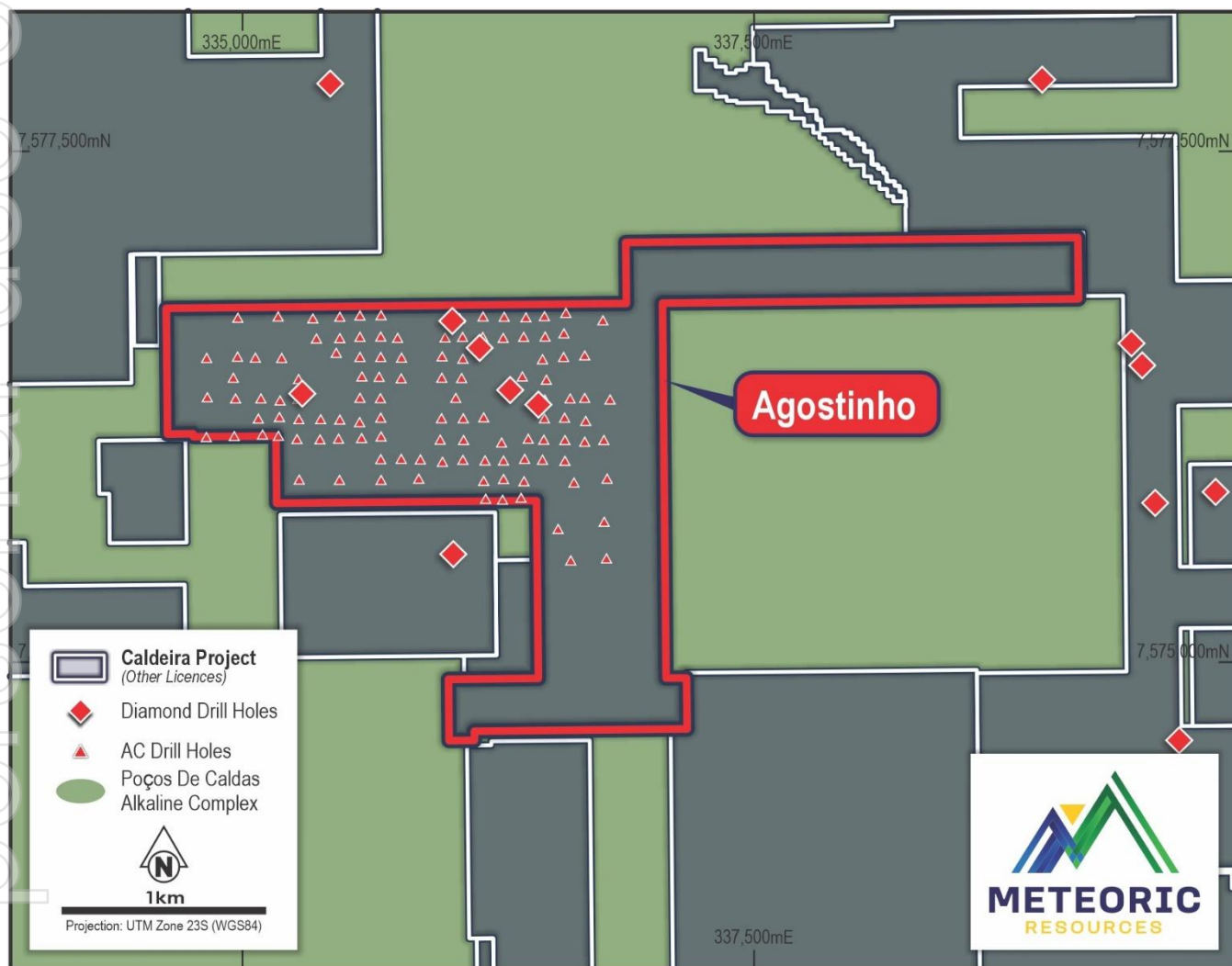


Figure 2: Agostinho drill hole location plan.

The 100m x 100m drill mesh in the central north and central northeastern areas of AGO confirms high-grade mineralisation intersected in AGODD001 and AGODD002. The mineralised Clay Zone averages 27m depth and is mineralised from the surface. All holes intersected mineralisation >1,000ppm TREO with an average grade and thicknesses across the deposit of 28.4m @ 2,771ppm TREO (Figure 3 & Appendix 2).

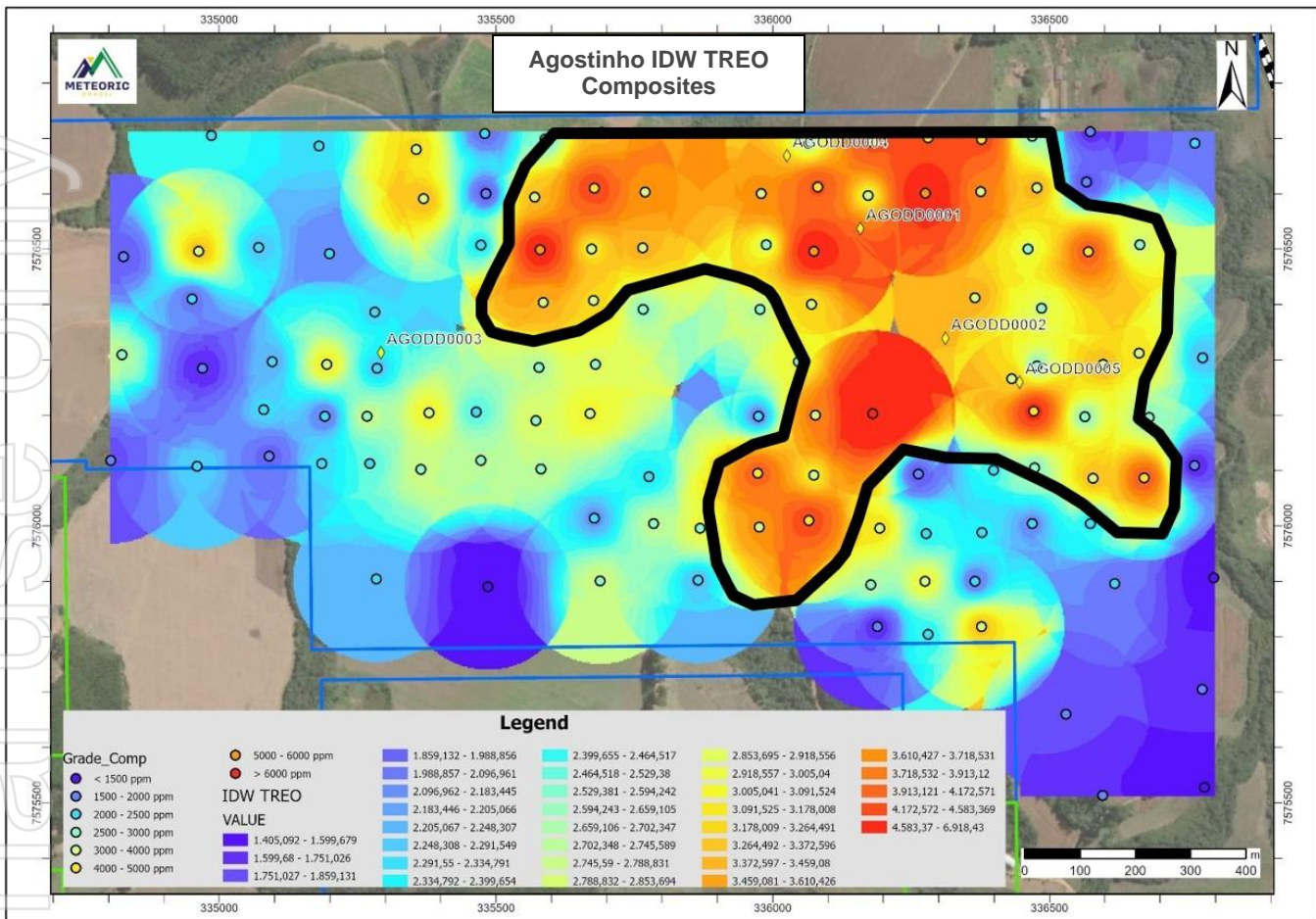


Figure 3: Mineralised TREO intercept data defining a contiguous, high-grade zone approximately 1,300m x 500m, averaging 28m thickness, grading >3,000ppm TREO (yellow-orange-red regions inside BLACK outline).

The most outstanding TREO grades and MREO contents include:

- AGOAC0107 - 24m @ 6,918ppm TREO [0m] with 27% MREO
 - including 6m @ 19,183 ppm TREO [2m] with 34.9% MREO
- AGOAC0110 - 22m @ 4,422ppm TREO [0m] with 27.7% MREO
 - including 10m @ 7,831 ppm TREO [0m] with 35.6% MREO
- AGOAC0079 - 28m @ 3,183ppm TREO [0m] with 26.9% MREO
 - including 8m @ 7,462 ppm TREO [0m] with 37.6% MREO
- AGOAC0114 - 50m @ 3,039ppm TREO [0m] with 22.3% MREO
- AGOAC0090 - 44m @ 3,435ppm TREO [0m] with 23.2% MREO
- AGOAC0098 - 28m @ 5,315ppm TREO [0m] with 27.4% MREO
- AGOAC0083 - 33m @ 3,452ppm TREO [0m] with 23.2% MREO
- AGOAC0091 - 31m @ 3,735ppm TREO [0m] with 23.8% MREO
- AGOAC0108 - 28m @ 4,066ppm TREO [0m] with 25.7% MREO
- AGOAC0106 - 30m @ 3,761ppm TREO [0m] with 24% MREO
- AGOAC0070 - 22m @ 4,890ppm TREO [0m] with 27% MREO
- AGOAC0062 - 31m @ 3,351ppm TREO [0m] with 22.1% MREO
- AGOAC0005 - 23m @ 4,484ppm TREO [0m] with 26.9% MREO

- AGOAC0094 - 22m @ 4,575ppm TREO [0m] with 29.8% MREO
- AGOAC0009 - 19m @ 5,232ppm TREO [0m] with 30.6% MREO
- AGOAC0084 - 24m @ 4,095ppm TREO [0m] with 26.2% MREO
- AGOAC0030 - 31m @ 3,113ppm TREO [0m] with 24.6% MREO
- AGOAC0092 - 22m @ 4,323ppm TREO [0m] with 27.2% MREO
- AGOAC0018 - 28m @ 3,336ppm TREO [0m] with 30.1% MREO
- AGOAC0111 - 23m @ 3,638ppm TREO [0m] with 26.6% MREO
- AGOAC0099 - 20m @ 4,248ppm TREO [0m] with 23.7% MREO
- AGOAC0093 - 16m @ 5,271ppm TREO [0m] with 27.2% MREO
- AGOAC0096 - 28m @ 3,011ppm TREO [0m] with 27.5% MREO
- AGOAC0101 - 23m @ 3,687ppm TREO [0m] with 24% MREO
- AGOAC0066 - 19m @ 4,163ppm TREO [0m] with 30.4% MREO
- AGOAC0014 - 22m @ 3,393ppm TREO [0m] with 24.2% MREO
- AGOAC0072 - 20m @ 3,246ppm TREO [0m] with 23.4% MREO
- AGOAC0008 - 19m @ 3,443ppm TREO [0m] with 26.4% MREO
- AGOAC0004 - 19m @ 3,427ppm TREO [0m] with 23.9% MREO
- AGOAC0050 - 19m @ 3,147ppm TREO [0m] with 25.3% MREO
- AGOAC0109 - 19m @ 3,083ppm TREO [0m] with 25.6% MREO
- AGOAC0095 - 13m @ 4,234ppm TREO [0m] with 27.3% MREO
- AGOAC0022 - 14m @ 3,384ppm TREO [0m] with 23.2% MREO
- AGOAC0021 - 13m @ 3,200ppm TREO [0m] with 23.6% MREO

Significantly, AGO contains enriched zones of MREO averaging up to 30.4%, with peak zones up to 38% (see intercepts below) compared to an average MREO content of 23.1% for the existing Caldeira Global Resource Estimate.

There exists a large area of enriched MREO content in the central northern and eastern area of the prospect. These areas have a strong correlation with the contiguous, high-grade zone approximately 1,300m x 500m, averaging 28m thickness, grading >3,000ppm TREO in Figure 3. This results in some ultra-high grade intercepts of MREO including:

- 6m @ 19,183 ppm TREO [2m] with 6,691ppm MREO,
- 8m @ 7,462 ppm TREO [0m] with 2,807ppm MREO, and
- 10m @ 7,831 ppm TREO [0m] with 2,786ppm MREO.

These zones of enriched MREO generally occur from surface (0m) and include enriched HREOs (Tb-Dy) up to 2.0%.

Future work programs

Data validation and geologic modelling for the Agostinho and Barra do Pacu deposits (ASX Release 12 December 2024) has commenced and Resource Estimations are expected in the June quarter of 2025.

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Mineral Resource Statement – Caldeira Project

Table 1: Caldeira REE Project 2024 Mineral Resource Estimate– by license at 1,000ppm TREO cut-off (refer MEI Announcements dated 1 May 2023, 14 May 2024, 13 June 2024, 5 August 2024 and 22 October 2024). Differences may occur due to rounding.

| License | JORC Category | Material Type | Tonnes | TREO ppm | Pr ₆ O ₁₁ ppm | Nd ₂ O ₃ ppm | Tb ₂ O ₇ ppm | Dy ₂ O ₃ ppm | MREO ppm | MREO /TREO |
|-----------------------------------|--|---------------|------------|--------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------|--------------|
| Capão do Mel | Measured | Clay | 11 | 3,888 | 222 | 586 | 6 | 28 | 842 | 21.7% |
| Total | Measured | | 11 | 3,888 | 222 | 586 | 6 | 28 | 842 | 21.7% |
| Capão do Mel | Indicated | Clay | 74 | 2,908 | 163 | 449 | 5 | 23 | 640 | 22.0% |
| Soberbo | Indicated | Clay | 86 | 2,730 | 165 | 476 | 5 | 23 | 669 | 24.5% |
| Figueira | Indicated | Clay | 138 | 2,844 | 145 | 403 | 5 | 28 | 582 | 20.5% |
| Total | Indicated | | 298 | 2,827 | 155 | 436 | 5 | 26 | 622 | 22.0% |
| Total | Measured + Indicated | | 308 | 2,864 | 158 | 441 | 5 | 26 | 629 | 22.0% |
| Capão do Mel | Inferred | Clay | 32 | 1,791 | 79 | 207 | 2 | 13 | 302 | 16.9% |
| Capão do Mel | Inferred | Transition | 25 | 1,752 | 86 | 239 | 3 | 14 | 341 | 19.5% |
| Soberbo | Inferred | Clay | 89 | 2,713 | 167 | 478 | 5 | 24 | 675 | 24.9% |
| Soberbo | Inferred | Transition | 54 | 2,207 | 138 | 395 | 4 | 20 | 558 | 25.3% |
| Figueira | Inferred | Clay | 9 | 3,105 | 139 | 379 | 5 | 28 | 551 | 17.7% |
| Figueira | Inferred | Transition | 24 | 2,174 | 115 | 328 | 4 | 21 | 468 | 21.5% |
| Cupim Vermelho Norte ³ | Inferred | Clay | 104 | 2,485 | 152 | 472 | 5 | 26 | 655 | 26.4% |
| Dona Maria 1 & 2 | Inferred | Clay | 94 | 2,320 | 135 | 404 | 5 | 25 | 569 | 24.5% |
| Total | Inferred | | 431 | 2,363 | 138 | 406 | 4 | 23 | 571 | 24.0% |
| Total | Measured + Indicated + Inferred | | 740 | 2,572 | 146 | 420 | 5 | 24 | 595 | 23.1% |

Competent Person Statement

The information in this announcement that relates to exploration results is based on information reviewed, collated and fairly represented by Dr Carvalho a Competent Person and a Member of the Australasian Institute of Mining and Metallurgy and an Executive Director of Meteoric Resources NL. Dr. Carvalho has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which has been undertaken, 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. Dr. Carvalho consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

This release includes exploration results and estimates of Mineral Resources. The Company has previously reported these results and estimates in ASX announcements dated 16 December 2022, 1 May 2023, 27 June 2023, 24 July 2023, 31 August 2023, 27 September 2023, 8 December 2023, 14 December 2023, 30 January 2024, 29 February 2024, 14 May 2024, 13 June 2024, 8 July 2024, 5 August 2024 and 22 October 2024. The Company confirms that it is not aware of any new information or data that materially affects the information included in previous announcements (as may be cross referenced in the body of this announcement) and that all material assumptions and technical parameters underpinning the exploration results and Mineral Resource estimates continue to apply and have not materially changed.

Some statements in this document may be forward-looking statements. Such statements include, but are not limited to, statements with regard to capacity, future production and grades, projections for sales growth, estimated revenues and reserves, targets for cost savings, the construction cost of new projects, projected capital expenditures, the timing of new projects, future cash flow and debt levels, the outlook for minerals prices, the outlook for economic recovery and trends in the trading environment and may be (but are not necessarily) identified by the use of phrases such as “will”, “expect”, “anticipate”, “believe” and “envisage”. By their nature, forward-looking statements involve risk and uncertainty because they relate to events and depend on circumstances that will occur in the future and may be outside Meteoric’s control. Actual results and developments may differ materially from those expressed or implied in such statements because of a number of factors, including levels of demand and market prices, the ability to produce and transport products profitably, the impact of foreign currency exchange rates on market prices and operating costs, operational problems, political uncertainty and economic conditions in relevant areas of the world, the actions of competitors, activities by governmental authorities such as changes in taxation or regulation.

APPENDIX 1: Agostinho – Aircore drill collar information

| Target | Drill Type | Hole ID | Easting | Northing | Elevation | Depth (m) | Dip | Azimuth |
|-----------|------------|-----------|---------|-----------|-----------|-----------|-----|---------|
| Agostinho | AC | AGOAC0001 | 335,776 | 7,576,398 | 1,313 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0002 | 335,778 | 7,576,500 | 1,308 | 17.4 | -90 | 360 |
| Agostinho | AC | AGOAC0003 | 335,759 | 7,576,596 | 1,309 | 19.0 | -90 | 360 |
| Agostinho | AC | AGOAC0004 | 335,679 | 7,576,707 | 1,307 | 19.0 | -90 | 360 |
| Agostinho | AC | AGOAC0005 | 335,677 | 7,576,603 | 1,311 | 22.6 | -90 | 360 |
| Agostinho | AC | AGOAC0006 | 335,676 | 7,576,502 | 1,316 | 18.3 | -90 | 360 |
| Agostinho | AC | AGOAC0007 | 335,669 | 7,576,406 | 1,320 | 15.0 | -90 | 360 |
| Agostinho | AC | AGOAC0008 | 335,584 | 7,576,408 | 1,315 | 19.0 | -90 | 360 |
| Agostinho | AC | AGOAC0009 | 335,574 | 7,576,503 | 1,312 | 19.0 | -90 | 360 |
| Agostinho | AC | AGOAC0010 | 335,459 | 7,576,523 | 1,289 | 25.0 | -90 | 360 |
| Agostinho | AC | AGOAC0011 | 335,477 | 7,576,595 | 1,290 | 13.0 | -90 | 360 |
| Agostinho | AC | AGOAC0012 | 335,476 | 7,576,699 | 1,286 | 17.0 | -90 | 360 |
| Agostinho | AC | AGOAC0013 | 335,575 | 7,576,705 | 1,297 | 27.0 | -90 | 360 |
| Agostinho | AC | AGOAC0014 | 335,574 | 7,576,601 | 1,305 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0015 | 335,674 | 7,576,300 | 1,323 | 36.5 | -90 | 360 |
| Agostinho | AC | AGOAC0016 | 335,064 | 7,576,499 | 1,290 | 37.5 | -90 | 360 |
| Agostinho | AC | AGOAC0017 | 334,956 | 7,576,401 | 1,279 | 37.0 | -90 | 360 |
| Agostinho | AC | AGOAC0018 | 334,976 | 7,576,504 | 1,281 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0019 | 334,978 | 7,576,695 | 1,274 | 24.0 | -90 | 360 |
| Agostinho | AC | AGOAC0020 | 335,174 | 7,576,702 | 1,289 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0021 | 335,345 | 7,576,691 | 1,279 | 13.0 | -90 | 360 |
| Agostinho | AC | AGOAC0022 | 335,361 | 7,576,593 | 1,286 | 14.0 | -90 | 360 |
| Agostinho | AC | AGOAC0023 | 335,193 | 7,576,497 | 1,305 | 45.6 | -90 | 360 |
| Agostinho | AC | AGOAC0024 | 335,275 | 7,576,394 | 1,315 | 25.0 | -90 | 360 |
| Agostinho | AC | AGOAC0025 | 334,828 | 7,576,306 | 1,279 | 23.0 | -90 | 360 |
| Agostinho | AC | AGOAC0026 | 334,825 | 7,576,497 | 1,277 | 15.0 | -90 | 360 |
| Agostinho | AC | AGOAC0027 | 334,966 | 7,576,300 | 1,280 | 35.0 | -90 | 360 |
| Agostinho | AC | AGOAC0028 | 335,090 | 7,576,300 | 1,301 | 34.0 | -90 | 360 |
| Agostinho | AC | AGOAC0029 | 335,272 | 7,576,297 | 1,317 | 37.0 | -90 | 360 |
| Agostinho | AC | AGOAC0030 | 335,184 | 7,576,290 | 1,306 | 31.2 | -90 | 360 |
| Agostinho | AC | AGOAC0031 | 335,077 | 7,576,201 | 1,288 | 31.0 | -90 | 360 |
| Agostinho | AC | AGOAC0032 | 334,960 | 7,576,116 | 1,282 | 16.0 | -90 | 360 |
| Agostinho | AC | AGOAC0033 | 334,823 | 7,576,111 | 1,281 | 26.0 | -90 | 360 |
| Agostinho | AC | AGOAC0034 | 335,098 | 7,576,123 | 1,283 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0035 | 335,176 | 7,576,117 | 1,291 | 46.0 | -90 | 360 |
| Agostinho | AC | AGOAC0036 | 335,267 | 7,576,102 | 1,296 | 37.0 | -90 | 360 |
| Agostinho | AC | AGOAC0037 | 335,276 | 7,576,198 | 1,309 | 34.0 | -90 | 360 |
| Agostinho | AC | AGOAC0038 | 335,180 | 7,576,209 | 1,306 | 31.0 | -90 | 360 |
| Agostinho | AC | AGOAC0039 | 335,477 | 7,576,196 | 1,321 | 34.0 | -90 | 360 |
| Agostinho | AC | AGOAC0040 | 335,382 | 7,576,199 | 1,319 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0041 | 335,379 | 7,576,099 | 1,305 | 36.0 | -90 | 360 |
| Agostinho | AC | AGOAC0042 | 335,470 | 7,576,102 | 1,314 | 31.0 | -90 | 360 |
| Agostinho | AC | AGOAC0043 | 335,582 | 7,576,106 | 1,321 | 35.2 | -90 | 360 |
| Agostinho | AC | AGOAC0044 | 335,676 | 7,576,003 | 1,320 | 37.8 | -90 | 360 |
| Agostinho | AC | AGOAC0045 | 335,776 | 7,576,004 | 1,331 | 33.0 | -90 | 360 |
| Agostinho | AC | AGOAC0046 | 335,862 | 7,575,907 | 1,338 | 38.0 | -90 | 360 |
| Agostinho | AC | AGOAC0047 | 335,678 | 7,575,901 | 1,321 | 44.0 | -90 | 360 |
| Agostinho | AC | AGOAC0048 | 335,474 | 7,575,900 | 1,302 | 25.0 | -90 | 360 |
| Agostinho | AC | AGOAC0049 | 335,277 | 7,575,903 | 1,293 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0050 | 336,673 | 7,576,303 | 1,260 | 19.0 | -90 | 360 |
| Agostinho | AC | AGOAC0051 | 336,797 | 7,576,295 | 1,256 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0052 | 336,767 | 7,576,097 | 1,258 | 32.0 | -90 | 360 |
| Agostinho | AC | AGOAC0053 | 336,783 | 7,575,907 | 1,256 | 16.0 | -90 | 360 |
| Agostinho | AC | AGOAC0054 | 336,769 | 7,575,697 | 1,258 | 25.5 | -90 | 360 |
| Agostinho | AC | AGOAC0055 | 336,779 | 7,575,517 | 1,256 | 11.0 | -90 | 360 |
| Agostinho | AC | AGOAC0056 | 336,605 | 7,575,507 | 1,260 | 16.1 | -90 | 360 |
| Agostinho | AC | AGOAC0057 | 336,544 | 7,575,662 | 1,270 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0058 | 336,272 | 7,575,804 | 1,300 | 33.0 | -90 | 360 |
| Agostinho | AC | AGOAC0059 | 336,362 | 7,575,813 | 1,291 | 19.4 | -90 | 360 |
| Agostinho | AC | AGOAC0060 | 336,376 | 7,575,895 | 1,297 | 27.0 | -90 | 360 |
| Agostinho | AC | AGOAC0061 | 336,621 | 7,575,888 | 1,270 | 20.0 | -90 | 360 |
| Agostinho | AC | AGOAC0062 | 336,576 | 7,576,097 | 1,290 | 31.0 | -90 | 360 |
| Agostinho | AC | AGOAC0063 | 336,575 | 7,576,206 | 1,282 | 31.0 | -90 | 360 |
| Agostinho | AC | AGOAC0064 | 336,602 | 7,576,300 | 1,270 | 27.5 | -90 | 360 |
| Agostinho | AC | AGOAC0065 | 336,679 | 7,576,189 | 1,264 | 31.7 | -90 | 360 |
| Agostinho | AC | AGOAC0066 | 336,672 | 7,576,089 | 1,275 | 18.8 | -90 | 360 |

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| Target | Drill Type | Hole ID | Easting | Northing | Elevation | Depth (m) | Dip | Azimuth |
|--------------|------------|------------|---------|-----------|-----------|----------------|-----|---------|
| Agostinho | AC | AGOAC0067 | 336,576 | 7,575,994 | 1,286 | 25.0 | -90 | 360 |
| Agostinho | AC | AGOAC0068 | 336,467 | 7,575,999 | 1,296 | 32.0 | -90 | 360 |
| Agostinho | AC | AGOAC0069 | 336,474 | 7,576,099 | 1,293 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0070 | 336,476 | 7,576,202 | 1,283 | 21.8 | -90 | 360 |
| Agostinho | AC | AGOAC0071 | 336,478 | 7,576,294 | 1,265 | 25.0 | -90 | 360 |
| Agostinho | AC | AGOAC0072 | 336,445 | 7,576,266 | 1,268 | 20.2 | -90 | 360 |
| Agostinho | AC | AGOAC0073 | 336,397 | 7,576,103 | 1,285 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0074 | 336,379 | 7,576,004 | 1,299 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0075 | 336,276 | 7,575,906 | 1,314 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0076 | 336,276 | 7,575,996 | 1,302 | 36.8 | -90 | 360 |
| Agostinho | AC | AGOAC0077 | 336,179 | 7,575,897 | 1,317 | 27.4 | -90 | 360 |
| Agostinho | AC | AGOAC0078 | 336,189 | 7,575,809 | 1,317 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0079 | 336,186 | 7,575,996 | 1,300 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0080 | 336,267 | 7,576,083 | 1,286 | 37.8 | -90 | 360 |
| Agostinho | AC | AGOAC0081 | 336,487 | 7,576,391 | 1,263 | 17.8 | -90 | 360 |
| Agostinho | AC | AGOAC0082 | 336,467 | 7,576,491 | 1,276 | 35.0 | -90 | 360 |
| Agostinho | AC | AGOAC0083 | 336,368 | 7,576,407 | 1,280 | 33.2 | -90 | 360 |
| Agostinho | AC | AGOAC0084 | 336,570 | 7,576,503 | 1,265 | 24.0 | -90 | 360 |
| Agostinho | AC | AGOAC0085 | 336,674 | 7,576,511 | 1,257 | 12.0 | -90 | 360 |
| Agostinho | AC | AGOAC0086 | 336,762 | 7,576,683 | 1,254 | 6.0 | -90 | 360 |
| Agostinho | AC | AGOAC0087 | 336,571 | 7,576,618 | 1,266 | 30.0 | -90 | 360 |
| Agostinho | AC | AGOAC0088 | 336,581 | 7,576,718 | 1,263 | 40.1 | -90 | 360 |
| Agostinho | AC | AGOAC0089 | 336,476 | 7,576,703 | 1,271 | 19.2 | -90 | 360 |
| Agostinho | AC | AGOAC0090 | 336,479 | 7,576,602 | 1,275 | 43.5 | -90 | 360 |
| Agostinho | AC | AGOAC0091 | 336,374 | 7,576,601 | 1,289 | 30.5 | -90 | 360 |
| Agostinho | AC | AGOAC0092 | 336,385 | 7,576,697 | 1,288 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0093 | 336,275 | 7,576,597 | 1,303 | 16.0 | -90 | 360 |
| Agostinho | AC | AGOAC0094 | 336,279 | 7,576,699 | 1,303 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0095 | 336,177 | 7,576,701 | 1,304 | 13.0 | -90 | 360 |
| Agostinho | AC | AGOAC0096 | 336,175 | 7,576,602 | 1,307 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0097 | 336,072 | 7,576,399 | 1,313 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0098 | 336,078 | 7,576,494 | 1,309 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0099 | 336,077 | 7,576,602 | 1,300 | 20.0 | -90 | 360 |
| Agostinho | AC | AGOAC0100 | 336,063 | 7,576,692 | 1,288 | 35.2 | -90 | 360 |
| Agostinho | AC | AGOAC0101 | 335,990 | 7,576,598 | 1,291 | 22.8 | -90 | 360 |
| Agostinho | AC | AGOAC0102 | 335,977 | 7,576,505 | 1,298 | 17.0 | -90 | 360 |
| Agostinho | AC | AGOAC0103 | 335,975 | 7,576,402 | 1,306 | 26.0 | -90 | 360 |
| Agostinho | AC | AGOAC0104 | 336,043 | 7,576,303 | 1,314 | 40.0 | -90 | 360 |
| Agostinho | AC | AGOAC0105 | 335,974 | 7,576,202 | 1,316 | 37.0 | -90 | 360 |
| Agostinho | AC | AGOAC0106 | 336,080 | 7,576,203 | 1,310 | 30.0 | -90 | 360 |
| Agostinho | AC | AGOAC0107 | 336,179 | 7,576,207 | 1,289 | 24.2 | -90 | 360 |
| Agostinho | AC | AGOAC0108 | 335,966 | 7,576,098 | 1,325 | 28.0 | -90 | 360 |
| Agostinho | AC | AGOAC0109 | 336,082 | 7,576,096 | 1,304 | 19.2 | -90 | 360 |
| Agostinho | AC | AGOAC0110 | 336,078 | 7,575,999 | 1,310 | 22.0 | -90 | 360 |
| Agostinho | AC | AGOAC0111 | 335,978 | 7,575,990 | 1,327 | 23.4 | -90 | 360 |
| Agostinho | AC | AGOAC0112 | 335,871 | 7,576,001 | 1,336 | 33.0 | -90 | 360 |
| Agostinho | AC | AGOAC0113 | 335,677 | 7,576,114 | 1,330 | 34.4 | -90 | 360 |
| Agostinho | AC | AGOAC0114 | 335,676 | 7,576,206 | 1,327 | 50.0 | -90 | 360 |
| Agostinho | AC | AGOAC0115 | 335,573 | 7,576,184 | 1,322 | 40.0 | -90 | 360 |
| Agostinho | AC | AGOAC0116 | 335,575 | 7,576,302 | 1,311 | 25.0 | -90 | 360 |
| Total | | 116 | | | | 3,300.6 | | |

*Geographic Datum SIRGAS 2000 / UTM z23S

APPENDIX 2: Mineralised Intercept Table - Agostinho Aircore Drilling

| Target | Hole ID | From | To | Interval (m) | TREO (ppm) | MREO (ppm) | MREO/TREO | Mineralised Intercept |
|-----------|-----------|------|------|--------------|------------|------------|-----------|---------------------------|
| Agostinho | AGOAC0001 | 0.0 | 22.0 | 22.0 | 2,612 | 542 | 21% | 22m @ 2612ppm TREO [0m] |
| Agostinho | AGOAC0002 | 0.0 | 17.4 | 17.4 | 3,428 | 700 | 20% | 17.4m @ 3428ppm TREO [0m] |
| Agostinho | AGOAC0003 | 0.0 | 19.0 | 19.0 | 3,622 | 803 | 22% | 19m @ 3622ppm TREO [0m] |
| Agostinho | AGOAC0004 | 0.0 | 19.0 | 19.0 | 3,427 | 820 | 24% | 19m @ 3427ppm TREO [0m] |
| Agostinho | AGOAC0005 | 0.0 | 22.6 | 22.6 | 4,484 | 1,208 | 27% | 22.6m @ 4484ppm TREO [0m] |
| Agostinho | AGOAC0006 | 0.0 | 18.3 | 18.3 | 3,078 | 617 | 20% | 18.3m @ 3078ppm TREO [0m] |
| Agostinho | AGOAC0007 | 0.0 | 15.0 | 15.0 | 3,238 | 616 | 19% | 15m @ 3238ppm TREO [0m] |
| Agostinho | AGOAC0008 | 0.0 | 19.0 | 19.0 | 3,443 | 910 | 26% | 19m @ 3443ppm TREO [0m] |
| Agostinho | AGOAC0009 | 0.0 | 19.0 | 19.0 | 5,232 | 1,601 | 31% | 19m @ 5232ppm TREO [0m] |
| Agostinho | AGOAC0010 | 0.0 | 25.0 | 25.0 | 2,328 | 505 | 22% | 25m @ 2328ppm TREO [0m] |
| Agostinho | AGOAC0011 | 0.0 | 13.0 | 13.0 | 1,896 | 377 | 20% | 13m @ 1896ppm TREO [0m] |
| Agostinho | AGOAC0012 | 0.0 | 17.0 | 17.0 | 2,005 | 393 | 20% | 17m @ 2005ppm TREO [0m] |
| Agostinho | AGOAC0013 | 0.0 | 27.0 | 27.0 | 2,502 | 574 | 23% | 27m @ 2502ppm TREO [0m] |
| Agostinho | AGOAC0014 | 0.0 | 22.0 | 22.0 | 3,393 | 823 | 24% | 22m @ 3393ppm TREO [0m] |
| Agostinho | AGOAC0015 | 0.0 | 36.5 | 36.5 | 2,882 | 536 | 19% | 36.5m @ 2882ppm TREO [0m] |
| Agostinho | AGOAC0016 | 0.0 | 37.5 | 37.5 | 2,257 | 497 | 22% | 37.5m @ 2257ppm TREO [0m] |
| Agostinho | AGOAC0017 | 0.0 | 37.0 | 37.0 | 2,045 | 397 | 19% | 37m @ 2045ppm TREO [0m] |
| Agostinho | AGOAC0018 | 0.0 | 28.0 | 28.0 | 3,336 | 1,004 | 30% | 28m @ 3336ppm TREO [0m] |
| Agostinho | AGOAC0019 | 2.0 | 24.0 | 22.0 | 2,430 | 597 | 25% | 22m @ 2430ppm TREO [2m] |
| Agostinho | AGOAC0020 | 0.0 | 28.0 | 28.0 | 2,305 | 447 | 19% | 28m @ 2305ppm TREO [0m] |
| Agostinho | AGOAC0021 | 0.0 | 13.0 | 13.0 | 3,200 | 754 | 24% | 13m @ 3200ppm TREO [0m] |
| Agostinho | AGOAC0022 | 0.0 | 14.0 | 14.0 | 3,384 | 785 | 23% | 14m @ 3384ppm TREO [0m] |
| Agostinho | AGOAC0023 | 0.0 | 45.6 | 45.6 | 2,121 | 480 | 23% | 45.6m @ 2121ppm TREO [0m] |
| Agostinho | AGOAC0024 | 0.0 | 25.0 | 25.0 | 2,308 | 386 | 17% | 25m @ 2308ppm TREO [0m] |
| Agostinho | AGOAC0025 | 0.0 | 23.0 | 23.0 | 2,703 | 627 | 23% | 23m @ 2703ppm TREO [0m] |
| Agostinho | AGOAC0026 | 0.0 | 15.0 | 15.0 | 1,864 | 308 | 17% | 15m @ 1864ppm TREO [0m] |
| Agostinho | AGOAC0027 | 0.0 | 35.0 | 35.0 | 1,640 | 337 | 21% | 35m @ 1640ppm TREO [0m] |
| Agostinho | AGOAC0028 | 0.0 | 34.0 | 34.0 | 2,207 | 436 | 20% | 34m @ 2207ppm TREO [0m] |
| Agostinho | AGOAC0029 | 0.0 | 37.0 | 37.0 | 2,249 | 416 | 19% | 37m @ 2249ppm TREO [0m] |
| Agostinho | AGOAC0030 | 0.0 | 31.2 | 31.2 | 3,113 | 767 | 25% | 31.2m @ 3113ppm TREO [0m] |
| Agostinho | AGOAC0031 | 0.0 | 31.0 | 31.0 | 2,314 | 513 | 22% | 31m @ 2314ppm TREO [0m] |
| Agostinho | AGOAC0032 | 0.0 | 16.0 | 16.0 | 2,289 | 453 | 20% | 16m @ 2289ppm TREO [0m] |
| Agostinho | AGOAC0033 | 0.0 | 26.0 | 26.0 | 1,832 | 386 | 21% | 26m @ 1832ppm TREO [0m] |
| Agostinho | AGOAC0034 | 0.0 | 50.0 | 50.0 | 1,930 | 382 | 20% | 50m @ 1930ppm TREO [0m] |
| Agostinho | AGOAC0035 | 0.0 | 46.0 | 46.0 | 2,330 | 523 | 22% | 46m @ 2330ppm TREO [0m] |
| Agostinho | AGOAC0036 | 0.0 | 37.0 | 37.0 | 2,468 | 515 | 21% | 37m @ 2468ppm TREO [0m] |
| Agostinho | AGOAC0037 | 0.0 | 34.0 | 34.0 | 2,779 | 646 | 23% | 34m @ 2779ppm TREO [0m] |
| Agostinho | AGOAC0038 | 0.0 | 31.0 | 31.0 | 2,054 | 359 | 17% | 31m @ 2054ppm TREO [0m] |
| Agostinho | AGOAC0039 | 0.0 | 34.0 | 34.0 | 2,440 | 423 | 17% | 34m @ 2440ppm TREO [0m] |
| Agostinho | AGOAC0040 | 0.0 | 50.0 | 50.0 | 3,067 | 628 | 20% | 50m @ 3067ppm TREO [0m] |
| Agostinho | AGOAC0041 | 0.0 | 36.0 | 36.0 | 2,765 | 632 | 23% | 36m @ 2765ppm TREO [0m] |
| Agostinho | AGOAC0042 | 0.0 | 31.0 | 31.0 | 2,702 | 541 | 20% | 31m @ 2702ppm TREO [0m] |
| Agostinho | AGOAC0043 | 0.0 | 35.2 | 35.2 | 2,741 | 531 | 19% | 35.2m @ 2741ppm TREO [0m] |
| Agostinho | AGOAC0044 | 0.0 | 37.8 | 37.8 | 2,154 | 453 | 21% | 37.8m @ 2154ppm TREO [0m] |
| Agostinho | AGOAC0045 | 0.0 | 33.0 | 33.0 | 2,751 | 565 | 21% | 33m @ 2751ppm TREO [0m] |
| Agostinho | AGOAC0046 | 0.0 | 38.0 | 38.0 | 2,230 | 530 | 24% | 38m @ 2230ppm TREO [0m] |
| Agostinho | AGOAC0047 | 0.0 | 44.0 | 44.0 | 2,787 | 774 | 28% | 44m @ 2787ppm TREO [0m] |
| Agostinho | AGOAC0048 | 0.0 | 25.0 | 25.0 | 1,449 | 309 | 21% | 25m @ 1449ppm TREO [0m] |
| Agostinho | AGOAC0049 | 0.0 | 22.0 | 22.0 | 2,218 | 508 | 23% | 22m @ 2218ppm TREO [0m] |
| Agostinho | AGOAC0050 | 0.0 | 19.0 | 19.0 | 3,147 | 796 | 25% | 19m @ 3147ppm TREO [0m] |
| Agostinho | AGOAC0051 | 0.0 | 22.0 | 22.0 | 2,237 | 485 | 22% | 22m @ 2237ppm TREO [0m] |
| Agostinho | AGOAC0052 | 0.0 | 32.0 | 32.0 | 1,622 | 308 | 19% | 32m @ 1622ppm TREO [0m] |
| Agostinho | AGOAC0053 | 0.0 | 16.0 | 16.0 | 1,499 | 281 | 19% | 16m @ 1499ppm TREO [0m] |
| Agostinho | AGOAC0054 | 0.0 | 25.5 | 25.5 | 1,718 | 318 | 19% | 25.5m @ 1718ppm TREO [0m] |
| Agostinho | AGOAC0055 | 0.0 | 11.0 | 11.0 | 1,405 | 215 | 15% | 11m @ 1405ppm TREO [0m] |
| Agostinho | AGOAC0056 | 0.0 | 16.1 | 16.1 | 1,605 | 300 | 19% | 16.1m @ 1605ppm TREO [0m] |
| Agostinho | AGOAC0057 | 0.0 | 50.0 | 50.0 | 1,810 | 376 | 21% | 50m @ 1810ppm TREO [0m] |
| Agostinho | AGOAC0058 | 0.0 | 33.0 | 33.0 | 2,409 | 560 | 23% | 33m @ 2409ppm TREO [0m] |
| Agostinho | AGOAC0059 | 0.0 | 19.4 | 19.4 | 3,324 | 967 | 29% | 19.4m @ 3324ppm TREO [0m] |
| Agostinho | AGOAC0060 | 0.0 | 27.0 | 27.0 | 2,049 | 486 | 24% | 27m @ 2049ppm TREO [0m] |
| Agostinho | AGOAC0061 | 0.0 | 20.0 | 20.0 | 2,039 | 458 | 22% | 20m @ 2039ppm TREO [0m] |
| Agostinho | AGOAC0062 | 0.0 | 31.0 | 31.0 | 3,351 | 740 | 22% | 31m @ 3351ppm TREO [0m] |
| Agostinho | AGOAC0063 | 0.0 | 31.0 | 31.0 | 2,586 | 549 | 21% | 31m @ 2586ppm TREO [0m] |
| Agostinho | AGOAC0064 | 0.0 | 27.5 | 27.5 | 3,386 | 737 | 22% | 27.5m @ 3386ppm TREO [0m] |
| Agostinho | AGOAC0065 | 0.0 | 31.7 | 31.7 | 2,601 | 566 | 22% | 31.7m @ 2601ppm TREO [0m] |

METEORIC

| Target | Hole ID | From | To | Interval (m) | TREO (ppm) | MREO (ppm) | MREO/TREO | Mineralised Intercept |
|-------------------------|-----------|------|------|--------------|--------------|------------|------------|---------------------------|
| Agostinho | AGOAC0066 | 0.0 | 18.8 | 18.8 | 4,163 | 1,266 | 30% | 18.8m @ 4163ppm TREO [0m] |
| Agostinho | AGOAC0067 | 0.0 | 25.0 | 25.0 | 2,369 | 558 | 24% | 25m @ 2369ppm TREO [0m] |
| Agostinho | AGOAC0068 | 0.0 | 32.0 | 32.0 | 2,138 | 474 | 22% | 32m @ 2138ppm TREO [0m] |
| Agostinho | AGOAC0069 | 0.0 | 50.0 | 50.0 | 2,587 | 564 | 22% | 50m @ 2587ppm TREO [0m] |
| Agostinho | AGOAC0070 | 0.0 | 21.8 | 21.8 | 4,890 | 1,321 | 27% | 21.8m @ 4890ppm TREO [0m] |
| Agostinho | AGOAC0071 | 0.0 | 25.0 | 25.0 | 2,564 | 604 | 24% | 25m @ 2564ppm TREO [0m] |
| Agostinho | AGOAC0072 | 0.0 | 20.2 | 20.2 | 3,246 | 759 | 23% | 20.2m @ 3246ppm TREO [0m] |
| Agostinho | AGOAC0073 | 0.0 | 50.0 | 50.0 | 2,430 | 571 | 23% | 50m @ 2430ppm TREO [0m] |
| Agostinho | AGOAC0074 | 0.0 | 50.0 | 50.0 | 2,350 | 550 | 23% | 50m @ 2350ppm TREO [0m] |
| Agostinho | AGOAC0075 | 0.0 | 22.0 | 22.0 | 3,052 | 645 | 21% | 22m @ 3052ppm TREO [0m] |
| Agostinho | AGOAC0076 | 0.0 | 36.8 | 36.8 | 2,385 | 560 | 23% | 36.8m @ 2385ppm TREO [0m] |
| Agostinho | AGOAC0077 | 0.0 | 27.4 | 27.4 | 2,713 | 673 | 25% | 27.4m @ 2713ppm TREO [0m] |
| Agostinho | AGOAC0078 | 0.0 | 50.0 | 50.0 | 1,625 | 292 | 18% | 50m @ 1625ppm TREO [0m] |
| Agostinho | AGOAC0079 | 0.0 | 28.0 | 28.0 | 3,183 | 857 | 27% | 28m @ 3183ppm TREO [0m] |
| Agostinho | AGOAC0080 | 0.0 | 37.8 | 37.8 | 1,864 | 443 | 24% | 37.8m @ 1864ppm TREO [0m] |
| Agostinho | AGOAC0081 | 0.0 | 17.8 | 17.8 | 2,878 | 671 | 23% | 17.8m @ 2878ppm TREO [0m] |
| Agostinho | AGOAC0082 | 0.0 | 35.0 | 35.0 | 2,952 | 578 | 20% | 35m @ 2952ppm TREO [0m] |
| Agostinho | AGOAC0083 | 0.0 | 33.2 | 33.2 | 3,452 | 801 | 23% | 33.2m @ 3452ppm TREO [0m] |
| Agostinho | AGOAC0084 | 0.0 | 24.0 | 24.0 | 4,095 | 1,075 | 26% | 24m @ 4095ppm TREO [0m] |
| Agostinho | AGOAC0085 | 0.0 | 12.0 | 12.0 | 2,823 | 689 | 24% | 12m @ 2823ppm TREO [0m] |
| Agostinho | AGOAC0086 | 0.0 | 6.0 | 6.0 | 2,004 | 398 | 20% | 6m @ 2004ppm TREO [0m] |
| Agostinho | AGOAC0087 | 0.0 | 30.0 | 30.0 | 1,793 | 387 | 22% | 30m @ 1793ppm TREO [0m] |
| Agostinho | AGOAC0088 | 0.0 | 40.1 | 40.1 | 1,682 | 346 | 21% | 40.1m @ 1682ppm TREO [0m] |
| Agostinho | AGOAC0089 | 0.0 | 19.2 | 19.2 | 2,612 | 476 | 18% | 19.2m @ 2612ppm TREO [0m] |
| Agostinho | AGOAC0090 | 0.0 | 43.5 | 43.5 | 3,435 | 796 | 23% | 43.5m @ 3435ppm TREO [0m] |
| Agostinho | AGOAC0091 | 0.0 | 30.5 | 30.5 | 3,735 | 890 | 24% | 30.5m @ 3735ppm TREO [0m] |
| Agostinho | AGOAC0092 | 0.0 | 22.0 | 22.0 | 4,323 | 1,177 | 27% | 22m @ 4323ppm TREO [0m] |
| Agostinho | AGOAC0093 | 0.0 | 16.0 | 16.0 | 5,271 | 1,436 | 27% | 16m @ 5271ppm TREO [0m] |
| Agostinho | AGOAC0094 | 0.0 | 22.0 | 22.0 | 4,575 | 1,363 | 30% | 22m @ 4575ppm TREO [0m] |
| Agostinho | AGOAC0095 | 0.0 | 13.0 | 13.0 | 4,234 | 1,157 | 27% | 13m @ 4234ppm TREO [0m] |
| Agostinho | AGOAC0096 | 0.0 | 28.0 | 28.0 | 3,011 | 827 | 27% | 28m @ 3011ppm TREO [0m] |
| Agostinho | AGOAC0097 | 0.0 | 50.0 | 50.0 | 3,181 | 558 | 18% | 50m @ 3181ppm TREO [0m] |
| Agostinho | AGOAC0098 | 0.0 | 28.0 | 28.0 | 5,315 | 1,459 | 27% | 28m @ 5315ppm TREO [0m] |
| Agostinho | AGOAC0099 | 0.0 | 20.0 | 20.0 | 4,248 | 1,008 | 24% | 20m @ 4248ppm TREO [0m] |
| Agostinho | AGOAC0100 | 0.0 | 35.2 | 35.2 | 2,765 | 642 | 23% | 35.2m @ 2765ppm TREO [0m] |
| Agostinho | AGOAC0101 | 0.0 | 22.8 | 22.8 | 3,687 | 884 | 24% | 22.8m @ 3687ppm TREO [0m] |
| Agostinho | AGOAC0102 | 0.0 | 17.0 | 17.0 | 2,916 | 668 | 23% | 17m @ 2916ppm TREO [0m] |
| Agostinho | AGOAC0103 | 0.0 | 26.0 | 26.0 | 2,715 | 473 | 17% | 26m @ 2715ppm TREO [0m] |
| Agostinho | AGOAC0104 | 0.0 | 40.0 | 40.0 | 2,965 | 657 | 22% | 40m @ 2965ppm TREO [0m] |
| Agostinho | AGOAC0105 | 0.0 | 37.0 | 37.0 | 2,107 | 323 | 15% | 37m @ 2107ppm TREO [0m] |
| Agostinho | AGOAC0106 | 0.0 | 30.0 | 30.0 | 3,761 | 901 | 24% | 30m @ 3761ppm TREO [0m] |
| Agostinho | AGOAC0107 | 0.0 | 24.2 | 24.2 | 6,918 | 1,867 | 27% | 24.2m @ 6918ppm TREO [0m] |
| Agostinho | AGOAC0108 | 0.0 | 28.0 | 28.0 | 4,066 | 1,046 | 26% | 28m @ 4066ppm TREO [0m] |
| Agostinho | AGOAC0109 | 0.0 | 19.2 | 19.2 | 3,083 | 788 | 26% | 19.2m @ 3083ppm TREO [0m] |
| Agostinho | AGOAC0110 | 0.0 | 22.0 | 22.0 | 4,422 | 1,227 | 28% | 22m @ 4422ppm TREO [0m] |
| Agostinho | AGOAC0111 | 0.0 | 23.4 | 23.4 | 3,638 | 967 | 27% | 23.4m @ 3638ppm TREO [0m] |
| Agostinho | AGOAC0112 | 0.0 | 33.0 | 33.0 | 2,943 | 646 | 22% | 33m @ 2943ppm TREO [0m] |
| Agostinho | AGOAC0113 | 0.0 | 34.4 | 34.4 | 2,347 | 502 | 21% | 34.4m @ 2347ppm TREO [0m] |
| Agostinho | AGOAC0114 | 0.0 | 50.0 | 50.0 | 3,039 | 679 | 22% | 50m @ 3039ppm TREO [0m] |
| Agostinho | AGOAC0115 | 0.0 | 40.0 | 40.0 | 2,869 | 657 | 23% | 40m @ 2869ppm TREO [0m] |
| Agostinho | AGOAC0116 | 0.0 | 25.0 | 25.0 | 2,698 | 568 | 21% | 25m @ 2698ppm TREO [0m] |
| Weighted Average | | | | 28.4 | 2,771 | 634 | 22% | 28.4m @ 2771ppm TREO [m] |

APPENDIX 3: Caldeira REE Project license details

| License | Status | License Holder | Area (Ha) |
|--------------|---------------------|---------------------------------------|-----------|
| 808027/1975 | MINING CONCESSION | COMPANHIA GERAL DE MINAS | 600.76 |
| 809358/1975 | MINING CONCESSION | COMPANHIA GERAL DE MINAS | 617.23 |
| 809359/1975 | MINING CONCESSION | COMPANHIA GERAL DE MINAS | 317.36 |
| 815645/1971 | MINING CONCESSION | COMPANHIA GERAL DE MINAS | 366.02 |
| 815682/1971 | MINING CONCESSION | COMPANHIA GERAL DE MINAS | 575.26 |
| 817223/1971 | MINING CONCESSION | MINERAÇÃO DANIEL TOGNI LOUREIRO LTDA | 772.72 |
| 803459/1975 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 24.02 |
| 808556/1974 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 204.09 |
| 811232/1974 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 524.40 |
| 814251/1971 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 124.35 |
| 815006/1971 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 717.52 |
| 816211/1971 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 796.55 |
| 835022/1993 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 73.50 |
| 835025/1993 | MINING CONCESSION | MINERAÇÃO PERDIZES LTDA | 100.47 |
| 814860/1971 | MINING CONCESSION | MINERAÇÃO ZELÂNDIA LTDA | 341.73 |
| 815681/1971 | MINING CONCESSION | MINERAÇÃO ZELÂNDIA LTDA | 766.54 |
| 820352/1972 | MINING CONCESSION | MINERAÇÃO ZELÂNDIA LTDA | 26.40 |
| 820353/1972 | MINING CONCESSION | MINERAÇÃO ZELÂNDIA LTDA | 529.70 |
| 820354/1972 | MINING CONCESSION | MINERAÇÃO ZELÂNDIA LTDA | 216.49 |
| 2757/1967 | MINING CONCESSION | RAJ MINERIOS LTDA | 20.10 |
| 5649/1963 | MINING CONCESSION | RAJ MINERIOS LTDA | 12.41 |
| 803457/1975 | MINING CONCESSION | RAJ MINERIOS LTDA | 60.64 |
| 825972/1972 | MINING CONCESSION | RAJ MINERIOS LTDA | 377.42 |
| 833914/2007 | MINING CONCESSION | RAJ MINERIOS LTDA | 6.99 |
| 002.349/1967 | MINING CONCESSION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 74.01 |
| 830443/2018 | EXPLORATION LICENSE | FERTIMAX FERTILIZANTES ORGANICOS LTDA | 79.24 |
| 830444/2018 | EXPLORATION LICENSE | FERTIMAX FERTILIZANTES ORGANICOS LTDA | 248.34 |
| 830824/2006 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 13.24 |
| 832350/2006 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 27.14 |
| 832351/2006 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 16.77 |
| 832671/2005 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 16.91 |
| 832714/2016 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 13.61 |
| 832800/2002 | EXPLORATION LICENSE | RAJ MINERIOS LTDA | 6.94 |
| 831686/2012 | EXPLORATION LICENSE | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 6.50 |
| 832193/2012 | EXPLORATION LICENSE | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 12.46 |
| 807899/1975 | MINING APPLICATION | COMPANHIA GERAL DE MINAS | 948.92 |
| 815274/1971 | MINING APPLICATION | COMPANHIA GERAL DE MINAS | 739.73 |
| 833486/1996 | MINING APPLICATION | MINAS RIO MINERADORA LTDA | 79.38 |
| 833655/1996 | MINING APPLICATION | MINAS RIO MINERADORA LTDA | 249.11 |
| 833656/1996 | MINING APPLICATION | MINAS RIO MINERADORA LTDA | 82.77 |
| 833657/1996 | MINING APPLICATION | MINAS RIO MINERADORA LTDA | 68.25 |
| 834743/1995 | MINING APPLICATION | MINAS RIO MINERADORA LTDA | 283.19 |
| 830513/1979 | MINING APPLICATION | MINERAÇÃO MONTE CARMELO LTDA | 457.77 |

| License | Status | License Holder | Area (Ha) |
|--------------|-------------------------|---------------------------------------|-----------|
| 804222/1975 | MINING APPLICATION | MINERAÇÃO PERDIZES LTDA | 403.65 |
| 813025/1973 | MINING APPLICATION | MINERAÇÃO PERDIZES LTDA | 943.74 |
| 830000/1980 | MINING APPLICATION | MINERAÇÃO PERDIZES LTDA | 203.85 |
| 831092/1983 | MINING APPLICATION | MINERAÇÃO PERDIZES LTDA | 171.39 |
| 830391/1979 | MINING APPLICATION | MINERAÇÃO PERDIZES LTDA. | 7.30 |
| 830633/1980 | MINING APPLICATION | MINERAÇÃO ZELÂNDIA LTDA | 35.25 |
| 831880/1991 | MINING APPLICATION | MINERAÇÃO ZELÂNDIA LTDA | 84.75 |
| 815237/1971 | MINING APPLICATION | RAJ MINERIOS LTDA | 131.98 |
| 830722/2002 | MINING APPLICATION | RAJ MINERIOS LTDA | 5.60 |
| 831250/2008 | MINING APPLICATION | RAJ MINERIOS LTDA | 2.48 |
| 831598/1988 | MINING APPLICATION | RAJ MINERIOS LTDA | 930.90 |
| 832889/2005 | MINING APPLICATION | RAJ MINERIOS LTDA | 27.82 |
| 837368/1993 | MINING APPLICATION | RAJ MINERIOS LTDA | 340.04 |
| 830551/1979 | MINING APPLICATION | TOGNI S/A MATERIAIS REFRAATÁ• RIOS | 528.88 |
| 830416/2001 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 166.22 |
| 831269/1992 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 442.16 |
| 832146/2002 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 18.95 |
| 832252/2001 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 51.96 |
| 832572/2003 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 204.49 |
| 833551/1993 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 98.87 |
| 833553/1993 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 98.13 |
| 830.697/2003 | MINING APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 5.38 |
| 830.461/2018 | EXPLORATION APPLICATION | FERTIMAX FERTILIZANTES ORGANICOS LTDA | 50.88 |
| 832799/2002 | EXPLORATION APPLICATION | RAJ MINERIOS LTDA | 38.35 |
| 830955/2006 | EXPLORATION APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 1993.50 |
| 833176/2008 | EXPLORATION APPLICATION | VARGINHA MINERACAO E LOTEAMENTOS LTDA | 634.00 |

APPENDIX 4: JORC Code, 2012 Edition – Table 1.

Section 1 Sampling Techniques and Data

| Criteria | Commentary |
|-------------------------|---|
| Sampling techniques | <ul style="list-style-type: none"> The license area was sampled using: a diamond drill machine and an Aircore drill machine. Diamond drill holes <ul style="list-style-type: none"> The intact drill cores are collected in plastic core trays with depth markers recording the depth at the end of each drill run (blocks). Samples were collected at 1m intervals. In the saprolite zone the core is halved with a metal spatula and bagged in plastic bags, the fresh rock was halved by a powered saw and bagged. Aircore drill holes <ul style="list-style-type: none"> Two (2) metre composite samples are collected from the cyclone of the rig in plastic buckets. The material from the plastic buckets is passed through a single tier, riffle splitter which generates a 50/50 split. One half is bagged and numbered for submission to the laboratory, and the other half bagged and given the same number, then stored as a duplicate at the core facility in Pocos de Caldas. |
| Drilling techniques | <ul style="list-style-type: none"> Diamond Core <ul style="list-style-type: none"> Diamond drilling employed a conventional wireline diamond drill rig (Mach 1200). All holes were drilled vertical using PQ diameter core through soils and clays (85mm core diameter), reducing to HQ through transition material and fresh rock (63.5mm core diameter). The maximum depth drilled was 48.1m. The final depth was recorded using the length of the rods in the hole. Aircore <ul style="list-style-type: none"> Drilling was completed using a HANJIN 8D Multipurpose Track Mounted Drill Rig, configured to drill 3-inch Aircore holes. The rig is supported by an Atlas Copco XRHS800 compressor which supplies sufficient air to keep the sample dry down to the current deepest depth of 73m. All holes are drilled vertical. Most drill sites require minimal to no site preparation. On particularly steep sites, the area is levelled with a backhoe loader. Drilling is stopped at 'blade refusal' when the rotating bit is unable to cut the ground any further. This generally occurs in the transition zones (below clay zone and above fresh rock). On occasions a face sampling hammer is used once 'blade refusal' is reached to penetrate through the remaining transition zone and into the fresh rock. |
| Drill sample recovery | <ul style="list-style-type: none"> Diamond drill hole recovery <ul style="list-style-type: none"> Calculated after each run, comparing length of core recovery vs. drill depth. Overall core recoveries are 92.5%, achieving 95% in the saprolite target horizon, 89% in the transition zone and 92.5% in fresh rock. Aircore recovery <ul style="list-style-type: none"> Every 2m composite sample is collected in plastic buckets and weighed. Each sample averages approximately 12kg. This is considered acceptable given the hole diameter and specific density of the material. |
| Logging | <ul style="list-style-type: none"> Diamond drilling <ul style="list-style-type: none"> Geology description is made in a core facility, focused on the soil (humic) horizon, saprolite, transition zone and fresh rock boundaries. The geology depth is honored and described with downhole depth (not metre by metre). Parameters logged include: grainsize, texture and colour, which can help to identify the parent rock before weathering. All drill holes are photographed and stored at Core facility in Pocos de Caldas. Aircore drilling <ul style="list-style-type: none"> The material is logged at the drill rig by a geologist. Logging focused on soil (humic) horizon, saprolite/clay zones and transition boundaries. Other parameters recorded includes: grainsize, texture and colour, which can help to identify the parent rock before weathering. Logging is done on 2m intervals due to the nature of the drilling with 2m composite samples collected in a bucket and presented for sampling and logging. The chip trays of all drilled holes have a digital photographic record and are retained at a Core facility in Pocos de Caldas. |
| Sub-sampling techniques | <ul style="list-style-type: none"> Diamond cores <ul style="list-style-type: none"> In the saprolite zone the core is halved with a metal spatula and bagged in plastic bags The fresh rock was halved by a powered saw and bagged into a plastic bag with a unique sequential number of samples and sent to ALS laboratory in Vespasiano – Minas Gerais. Field duplicates consist of quarter core, with both quarters sent to the lab. |

| Criteria | Commentary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-------------------------|--------------|---------------|--------------|------------------|-------------|---------------------------------|--------|--------------------------------|--------|--------------------------------|--------|--------------------------------|--------|--------------------------------|--------|--------------------------------|--------|------------------|--------|--------------------------------|--------|--------------------------------|--------|--------------------------------|--------|-------------------------------|--------|--------------|----|-------------|---|-------------|----|--------------|----|-------------|----|-------------|---|-----------|----|-------------|----|--------------|----|-------------|---|-------------|----|-------------|----|-------------|----|------------|---|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|--------------|----|-------------|----|-----------|
| and sample preparation | <ul style="list-style-type: none"> • Aircore material <ul style="list-style-type: none"> ○ Samples are weighed at the Rig. When the sample > 6kg it passes through a single tier Riffle splitter generating a 50/50 split, one for ALS Laboratory and a duplicate which is retained in core facility. Samples are bagged in plastic bags with unique tag for the interval. ○ Given the grainsize if the mineralisation is extremely fine (clays) and shows little variability, the practice of submitting 50% of original sample for analysis is deemed appropriate. ○ Field Duplicates are routinely submitted and results analysed by examining the correlation between original and duplicate samples. More than 90% of duplicates show <20% variance. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quality of assay data and laboratory tests | <ul style="list-style-type: none"> • Diamond and Aircore samples are analysed by ALS Laboratories (accredited) in Batches up to 72 samples. Upon arriving at ALS Vespasiano samples receive additional preparation (drying, crushing, splitting, and pulverising): <ul style="list-style-type: none"> ○ dried at 60°C ○ the fresh rock is crushed to sub 2mm ○ the saprolite is disaggregated with hammers ○ Riffle split 800g sub-sample ○ 800 g pulverized to 90% passing 75um, monitored by sieving. ○ Aliquot selection from pulp packet <p>The aliquot obtained from the physical preparation process at Vespasiano is sent to ALS Lima or analysis by ME-MS81 – which consists of analysis of Rare Earths and Trace Elements by ICP-MS for 32 elements by fusion with lithium borate as seen below (with detection limits):</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #1a3d54; color: white;">Code</th> <th colspan="8" style="background-color: #1a3d54; color: white;">Analytes & Ranges (ppm)</th> </tr> </thead> <tbody> <tr> <td rowspan="10" style="background-color: #1a3d54; color: white; font-weight: bold;">ME-MS81</td> <td>Ba</td><td>0.5 - 10000</td><td>Gd</td><td>0.05 - 1000</td><td>Rb</td><td>0.2 - 10000</td><td>Ti</td><td>0.01 - 10%</td> </tr> <tr> <td>Ce</td><td>0.1 - 10000</td><td>Hf</td><td>0.5 - 10000</td><td>Sc</td><td>0.5 - 500</td><td>Tm</td><td>0.01 - 1000</td> </tr> <tr> <td>Cr</td><td>5 - 10000</td><td>Ho</td><td>0.01 - 10000</td><td>Sm</td><td>0.03 - 1000</td><td>U</td><td>0.05 - 1000</td> </tr> <tr> <td>Cs</td><td>0.01 - 10000</td><td>La</td><td>0.1 - 10000</td><td>Sn</td><td>0.5 - 10000</td><td>V</td><td>5 - 10000</td> </tr> <tr> <td>Dy</td><td>0.05 - 1000</td><td>Lu</td><td>0.01 - 10000</td><td>Sr</td><td>0.1 - 10000</td><td>W</td><td>0.5 - 10000</td> </tr> <tr> <td>Er</td><td>0.03 - 1000</td><td>Nb</td><td>0.05 - 2500</td><td>Ta</td><td>0.1 - 2500</td><td>Y</td><td>0.1 - 10000</td> </tr> <tr> <td>Eu</td><td>0.02 - 1000</td><td>Nd</td><td>0.1 - 10000</td><td>Tb</td><td>0.01 - 1000</td><td>Yb</td><td>0.03 - 1000</td> </tr> <tr> <td>Ga</td><td>0.1 - 10000</td><td>Pr</td><td>0.02 - 10000</td><td>Th</td><td>0.05 - 1000</td><td>Zr</td><td>1 - 10000</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • MEI QAQC protocols demand duplicate sample every 20 samples, and a blank and standard sample in each 30 samples. In addition, ALS inserted their own internal reference check samples as well as conducting repeat analysis. Results show: 94.94% of Standards are within tolerance limits, 99.96% of Blanks are within tolerance limits, and only 4.92% of Duplicate samples showed >30% variation for the Original result. | Code | Analytes & Ranges (ppm) | | | | | | | | ME-MS81 | Ba | 0.5 - 10000 | Gd | 0.05 - 1000 | Rb | 0.2 - 10000 | Ti | 0.01 - 10% | Ce | 0.1 - 10000 | Hf | 0.5 - 10000 | Sc | 0.5 - 500 | Tm | 0.01 - 1000 | Cr | 5 - 10000 | Ho | 0.01 - 10000 | Sm | 0.03 - 1000 | U | 0.05 - 1000 | Cs | 0.01 - 10000 | La | 0.1 - 10000 | Sn | 0.5 - 10000 | V | 5 - 10000 | Dy | 0.05 - 1000 | Lu | 0.01 - 10000 | Sr | 0.1 - 10000 | W | 0.5 - 10000 | Er | 0.03 - 1000 | Nb | 0.05 - 2500 | Ta | 0.1 - 2500 | Y | 0.1 - 10000 | Eu | 0.02 - 1000 | Nd | 0.1 - 10000 | Tb | 0.01 - 1000 | Yb | 0.03 - 1000 | Ga | 0.1 - 10000 | Pr | 0.02 - 10000 | Th | 0.05 - 1000 | Zr | 1 - 10000 |
| Code | Analytes & Ranges (ppm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ME-MS81 | Ba | 0.5 - 10000 | Gd | 0.05 - 1000 | Rb | 0.2 - 10000 | Ti | 0.01 - 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ce | 0.1 - 10000 | Hf | 0.5 - 10000 | Sc | 0.5 - 500 | Tm | 0.01 - 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Cr | 5 - 10000 | Ho | 0.01 - 10000 | Sm | 0.03 - 1000 | U | 0.05 - 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Cs | 0.01 - 10000 | La | 0.1 - 10000 | Sn | 0.5 - 10000 | V | 5 - 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dy | 0.05 - 1000 | Lu | 0.01 - 10000 | Sr | 0.1 - 10000 | W | 0.5 - 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Er | 0.03 - 1000 | Nb | 0.05 - 2500 | Ta | 0.1 - 2500 | Y | 0.1 - 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Eu | 0.02 - 1000 | Nd | 0.1 - 10000 | Tb | 0.01 - 1000 | Yb | 0.03 - 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ga | 0.1 - 10000 | Pr | 0.02 - 10000 | Th | 0.05 - 1000 | Zr | 1 - 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Verification of sampling and assaying | <ul style="list-style-type: none"> • Given the nature of the ionic clay mineralisation visual checks are not appropriate for verification of mineralised intercepts. • MEI completed several rounds of Twin Hole drilling at nearby licenses (CDM-SB-FG) as part of resource estimation drilling to verify sampling methods:- <ul style="list-style-type: none"> ○ DD drill holes twinning historic Auger holes <ul style="list-style-type: none"> ○ A total of 32 DD holes were drilled to twin historic Auger holes and confirm the reported widths and grades across the 6 resource areas (February 2023 - January 2024). Results confirmed the width and general nature of high-grade TREO mineralization, showing a slight (14%) Positive Bias in Auger results compared to DD results. The apparent Bias is not considered significant. ○ AC holes twinning existing DD holes <ul style="list-style-type: none"> ○ A total of 17 AC holes were drilled at Soberbo, Capão do Mel and Figueira deposits to twin existing DD drill holes and assess AC as a sampling method (March 2023 – March 2024). Results confirmed the width and general nature of high-grade TREO mineralization, showing a slight (20%) Negative Bias in AC results compared to DD results. The apparent Bias is not considered significant. • For all drilling conducted by MEI (DD and AC), data is recorded into MX Deposit tables (collar, survey, geology, sample) using tablets/laptops at the Aircore Rig or in the Core Shed. Files are forwarded via email by Geologists to Database manager for uploading into the Database. The data is stored in MX Deposit database (Sequent). Data validation is turned ON during the import of data avoiding errors. • Raw assays are received as Elemental data (ppm) from ALS laboratories. The Elemental data is converted to Element Oxide data using the following conversion factors: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #1a3d54; color: white;">Element Oxide</th> <th style="background-color: #1a3d54; color: white;">Oxide Factor</th> <th style="background-color: #1a3d54; color: white;">Element Oxide</th> <th style="background-color: #1a3d54; color: white;">Oxide Factor</th> </tr> </thead> <tbody> <tr> <td>CeO₂</td><td>1.2284</td><td>Pr₆O₁₁</td><td>1.2082</td> </tr> <tr> <td>Dy₂O₃</td><td>1.1477</td><td>Sm₂O₃</td><td>1.1596</td> </tr> <tr> <td>Er₂O₃</td><td>1.1435</td><td>Tb₄O₇</td><td>1.1762</td> </tr> <tr> <td>Eu₂O₃</td><td>1.1579</td><td>ThO₂</td><td>1.1379</td> </tr> <tr> <td>Gd₂O₃</td><td>1.1526</td><td>Tm₂O₃</td><td>1.1421</td> </tr> <tr> <td>Ho₂O₃</td><td>1.1455</td><td>U₃O₈</td><td>1.1793</td> </tr> </tbody> </table> | Element Oxide | Oxide Factor | Element Oxide | Oxide Factor | CeO ₂ | 1.2284 | Pr ₆ O ₁₁ | 1.2082 | Dy ₂ O ₃ | 1.1477 | Sm ₂ O ₃ | 1.1596 | Er ₂ O ₃ | 1.1435 | Tb ₄ O ₇ | 1.1762 | Eu ₂ O ₃ | 1.1579 | ThO ₂ | 1.1379 | Gd ₂ O ₃ | 1.1526 | Tm ₂ O ₃ | 1.1421 | Ho ₂ O ₃ | 1.1455 | U ₃ O ₈ | 1.1793 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Element Oxide | Oxide Factor | Element Oxide | Oxide Factor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CeO ₂ | 1.2284 | Pr ₆ O ₁₁ | 1.2082 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dy ₂ O ₃ | 1.1477 | Sm ₂ O ₃ | 1.1596 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Er ₂ O ₃ | 1.1435 | Tb ₄ O ₇ | 1.1762 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eu ₂ O ₃ | 1.1579 | ThO ₂ | 1.1379 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gd ₂ O ₃ | 1.1526 | Tm ₂ O ₃ | 1.1421 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ho ₂ O ₃ | 1.1455 | U ₃ O ₈ | 1.1793 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Criteria | Commentary | | | | | | | | | | | | |
|--|---|--------------------------------|--------|-------------------------------|--------|--------------------------------|--------|--------------------------------|--------|--------------------------------|--------|--|--|
| | <table border="1"> <tr> <td>La₂O₃</td> <td>1.1728</td> <td>Y₂O₃</td> <td>1.2699</td> </tr> <tr> <td>Lu₂O₃</td> <td>1.1728</td> <td>Yb₂O₃</td> <td>1.1387</td> </tr> <tr> <td>Nd₂O₃</td> <td>1.1664</td> <td></td> <td></td> </tr> </table> | La ₂ O ₃ | 1.1728 | Y ₂ O ₃ | 1.2699 | Lu ₂ O ₃ | 1.1728 | Yb ₂ O ₃ | 1.1387 | Nd ₂ O ₃ | 1.1664 | | |
| La ₂ O ₃ | 1.1728 | Y ₂ O ₃ | 1.2699 | | | | | | | | | | |
| Lu ₂ O ₃ | 1.1728 | Yb ₂ O ₃ | 1.1387 | | | | | | | | | | |
| Nd ₂ O ₃ | 1.1664 | | | | | | | | | | | | |
| <i>Location of data points</i> | <ul style="list-style-type: none"> • Diamond and Aircore collars <ul style="list-style-type: none"> ○ The survey was made by MEI personel using a GPS CHCNAV i73 RTK GNSS capable of carrying out data surveys and kinematic locations in real time (RTK-Real Time Kinematic), consisting of two GNSS receivers, a BASE and a ROVER. The horizontal accuracy, in RTK, is 8mm +/- 1mm, and vertical 15mm +/- 1mm. | | | | | | | | | | | | |
| <i>Data spacing and distribution</i> | <ul style="list-style-type: none"> • Aircore drilling was done at 100m x 100m spacing over the highest soil anomalism, stepping out to 400m x 400m in areas away from this to ensure total coverage of the license. Diamond holes had no regular spacing but were designed to target specific geologic characteristics (i.e. grade, density). • Given the substantial geographic extent and generally shallow, flat lying geometry of the mineralisation, the spacing and orientation are considered sufficient to establish geologic and grade continuity. • Sample compositing: <ul style="list-style-type: none"> ○ Diamond samples were collected at 1.00m composites, respecting the geological contacts. ○ Aircore samples were collected at 2.00m composites. | | | | | | | | | | | | |
| <i>Orientation of data in relation to geological structure</i> | <ul style="list-style-type: none"> • The mineralisation is flat lying and occurs within the saprolite/clay zone of a deeply developed regolith (reflecting topography and weathering). Vertical sampling for all sampling methods is considered most appropriate. | | | | | | | | | | | | |
| <i>Sample security</i> | <ul style="list-style-type: none"> • Diamond samples: <ul style="list-style-type: none"> ○ Samples are removed from the field by MEI staff and transported back to a Core shed to be logged and sampled. All samples for submission to the lab are packed in plastic bags (in batches) and sent to the lab where it is processed as reported above. The transport of samples from Poços de Caldas to ALS laboratory in Vespasiano was undertaken by a commercial Transport Company. • Aircore samples: <ul style="list-style-type: none"> ○ Samples are split and bagged in the field and transported back to a Core shed. All samples for submission to the lab are packed in plastic bags (in batches) and despatched to ALS laboratory in Vespasiano using a commercial Transport Company. | | | | | | | | | | | | |
| <i>Audits or reviews</i> | <ul style="list-style-type: none"> • MEI conducted a review of assay results as part of its Due Diligence prior to acquiring the project. Approximately 5% of all stored coarse rejects from auger drilling were resampled and submitted to two (2) labs: SGS Geosol and ALS Laboratories. Results verified the existing assay results, returning values +/- 10% of the original grades, well within margins of error for the grade of mineralisation reported. (see ASX:MEI 13/03/23 for a more detailed discussion) • A site visit was carried out by Volodymyr Myadzel from BNA Mining Solutions on 19-20 February 2024 as part of Resource Estimation work. At this time he had occasion to review all aspects of Geology, including: inspect drilling and sampling procedures, verify survey methods, inspect the storage shed, verification of geological records, review of QAQC procedures and review of geologic models. | | | | | | | | | | | | |

Section 2 Reporting of Exploration Results (Criteria in this section apply to all succeeding sections.)

| Criteria | Commentary |
|--|--|
| <i>Mineral tenement and land tenure status</i> | <ul style="list-style-type: none"> • Listed in Appendix 3. • Given the rich history of mining and current mining activity in the Poços de Caldas there appears to be no impediments to obtaining a License to operate in the area. |
| <i>Exploration done by other parties</i> | <ul style="list-style-type: none"> • The Caldeira Project has had significant exploration in the form of surface geochem across 30 granted mining concessions, plus: geologic mapping, topographic surveys, and powered auger (1,396 holes for 12,963 samples). • MEI performed Due Diligence on historic exploration and are satisfied the data is accurate and correct (refer ASX Release 13 March 2023 for a discussion). |

| Criteria | Commentary |
|--|--|
| <i>Geology</i> | <ul style="list-style-type: none"> The Alkaline Complex of Poços de Caldas represents in Brazil one of the most important geological terrains which hosts deposits of bauxite, clay, uranium, zirconium, rare earths and leucite. The different types of mineralization are products of a history of post-magmatic alteration and weathering, in the last stages of its evolution (Schorscher & Shea, 1992; Ulbrich et al., 2005). The dominant REE mineral in the source rock (syenite) beneath the clay zone is Bastnaesite, a major source of REE worldwide. Bastnaesite is a REE carbonate-fluoride mineral (REE)CO₃F and has very low levels of U and Th in its structure. Due to the chemistry of the underlying intrusives and the intense weathering of the region, a thick profile comprising soil, clay and saprolite (regolith) has formed and these are the hosts to the ionic clay REE mineralization. |
| <i>Drill hole Information</i> | <ul style="list-style-type: none"> Drill hole information for all Aircore holes is presented in Appendices 1 & 2. |
| <i>Data aggregation methods</i> | <ul style="list-style-type: none"> Mineralised Intercepts are reported with a minimum of 4m width, lower cut-off 1,000ppm TREO, with a maximum of 2m internal dilution. High-Grade Intercepts reported as “including” are reported with a minimum of 2m width, lower cut-off 3,000 ppm TREO, with a maximum of 1m internal dilution. Extreme High-Grade Intercepts reported as “with” are reported with a minimum of 2m width, lower cut-off 10,000 ppm TREO, with a maximum of 1m internal dilution. No Metal Equivalents are used. |
| <i>Mineralisation widths and intercept lengths</i> | <ul style="list-style-type: none"> All holes are vertical and mineralisation is developed in a flat lying clay and transition zone within the regolith. As such, reported widths are considered to equal true widths. |
| <i>Diagrams</i> | <ul style="list-style-type: none"> Reported in the body of the text. |
| <i>Balanced reporting</i> | <ul style="list-style-type: none"> Significant Intercepts for all Aircore drill holes are reported in Appendix 2 of this report. |
| <i>Other substantive exploration data</i> | <ul style="list-style-type: none"> Metallurgical work was carried out on samples split from a 200kg composite sample, which in turn was composed of a selection of 184 samples from 41 holes (100 x100m grid) across the Capo do Mel Target. Head grade of the composite sample was 4,917ppm TREO. Results showed excellent recoveries by desorption of Rare Earth Elements (REE) using ammonium sulphate solution [(NH₄)₂SO₄] in weakly acidic conditions [pH 4]. Average recovery of the low temperature magnet REE Pr + Nd was 58%. Desorption was achieved using a standard ammonium sulphate solution at pH 4 and confirms the Caldeira Project is an Ionic (Adsorption) Clay REE deposit (for further discussion refer ASX Release 20 December 2022). Updated resources were reported to the ASX in August 2024. |
| <i>Further work</i> | <ul style="list-style-type: none"> Proposed work is discussed in the body of the text. |