

## VIRIDIS COMPLETES A\$3.1 MILLION PLACEMENT TO ADVANCE EXPLORATION AT COLOSSUS

ASX Release: 26 October 2023

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### Highlights

- ▶ Viridis has received firm commitments in a heavily oversubscribed placement to raise A\$3.09 million through an equity issue of 3,250,000 shares at \$0.95 to institutional and sophisticated investors. Sixty-Two Capital Pty Ltd provided cornerstone investment in the placement for a total of A\$1.0 million.
- ▶ Funds will primarily be used to expand and progress Phase I & II exploration programs at the Colossus Ionic Adsorption Clay REE Project, located in the Poços de Caldas Alkaline Complex. Furthermore, funds will be used to conduct optimised metallurgical studies, scout drilling, and progress the Company towards a maiden JORC compliant resource estimate.
- ▶ Over 135 holes completed to date and sent to SGS-GEOSOL, with assays expected in November 2023. This includes diamond holes which have intersected clays up to a thickness of 87m<sup>1</sup>. Drilling continues to progress swiftly with 100% success rate in intercepting clays with all holes to date.
- ▶ The Company is extremely pleased with the strong investment interest received by new and existing shareholders.

### Executive Chairman Agha Shahzad Pervez commented:

*"We are delighted and would like to thank both existing and new shareholders for the support they've shown in this placement. These funds will predominantly be put into the ground to generate value for shareholders by advancing the targeted exploration programs at the Colossus Project.*

*The Company has a large scope of works to complete over the next 12 months, and we look forward to reporting our results consistently to the market. With a strengthened cash position, we can now expand and progress our exploration programs at Colossus with a view to delineating a tier-1 Ionic Adsorption Clay Project."*

### Completion of Placement

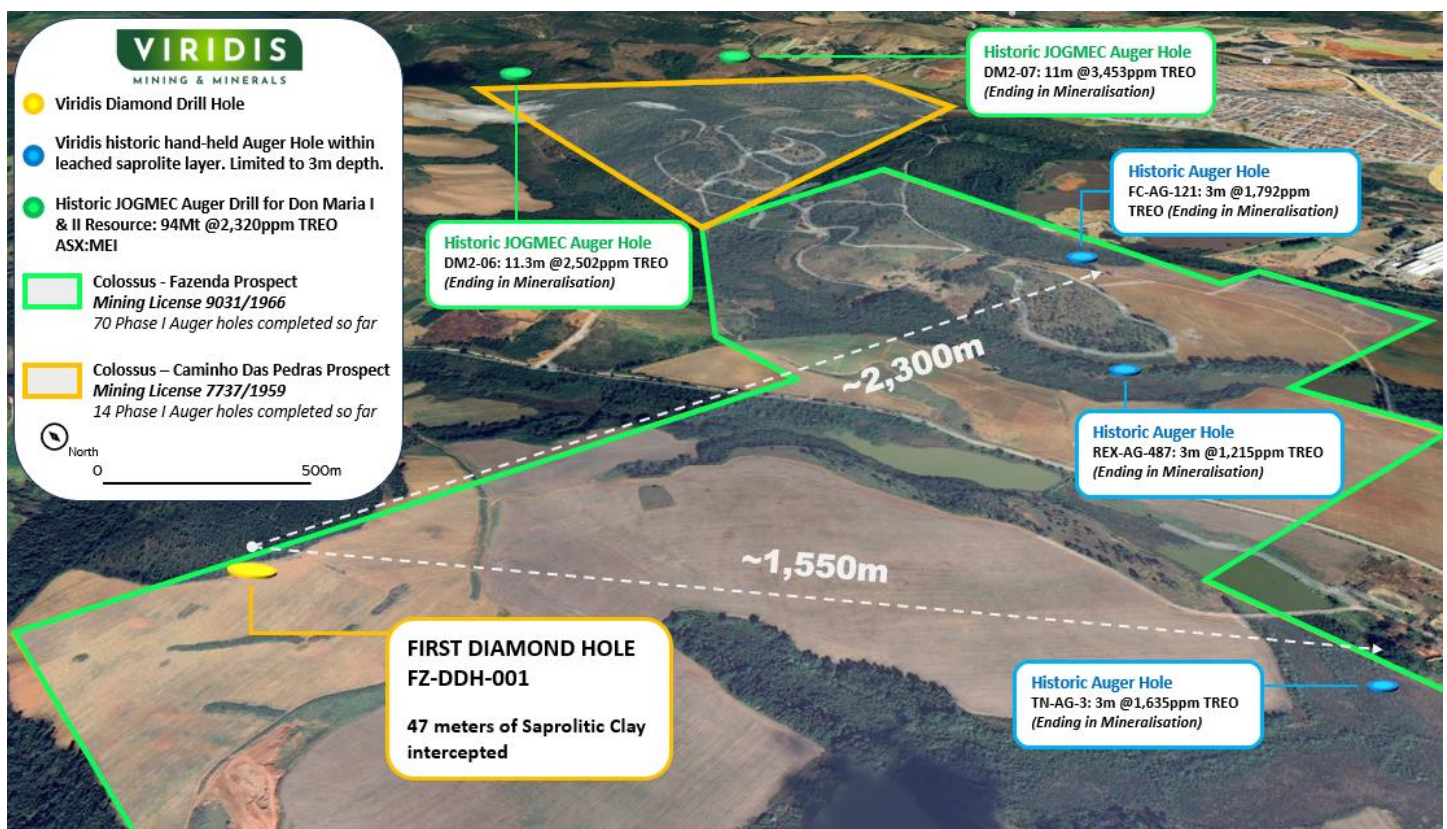
Viridis Mining and Minerals Limited ("Viridis" or "Company") is pleased to report it has received firm commitments to raise ~A\$3.09 million through an equity placement of new fully paid ordinary shares ("New Shares") to institutional and sophisticated shareholders ("Placement").

The Placement provides the Company the ability to progress and expand its exploration programs at Colossus, after intercepting thick clay profiles in diamond drilling and remaining funded to complete its maiden resource estimate.

Over 135 holes have been completed to date, with the average true thickness of clay intercepted from diamond drilling of ~45 metres<sup>1</sup>.

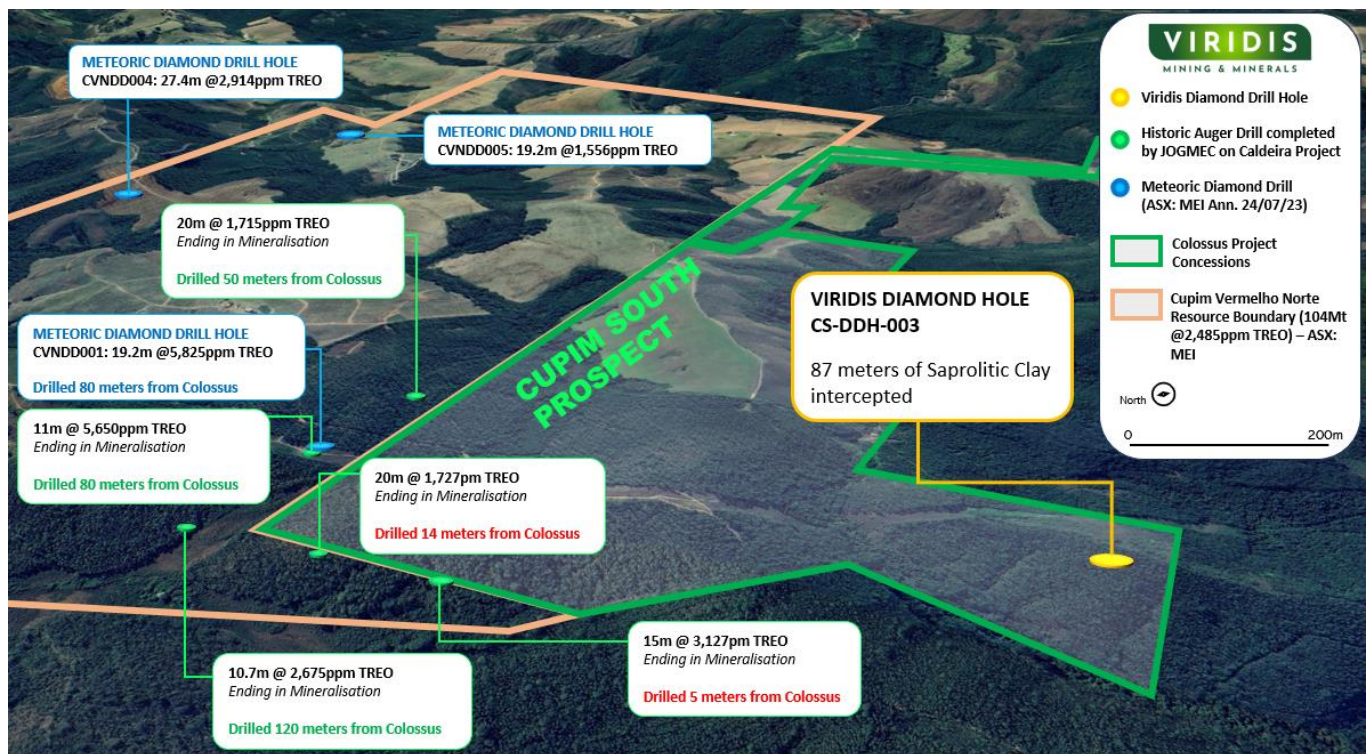
## Recent Project Highlights<sup>1</sup>

- **Hole FZ-DDH-001:** First Diamond Hole into Northern Concessions has intercepted 47m thickness of saprolitic clays. This was drilled on the Fazenda Mining license which is a northern extension of the Don Maria I & II deposit (94Mt @2,320ppm TREO).
- **Hole CJ-DDH-001:** Second Diamond Hole into the Northern Concessions has intercepted 50m thickness of saprolitic clays. This was drilled 350 metres South-West of Viridis grab sample PC-10 which returned 2,753ppm TREO has proven to be Ionic in mineralisation through Ammonia Sulfate leach tests (pH4, room temperature)<sup>9</sup>.
- These first two holes are now the thickest known intercepts of clays within the entire northern half of the Poços de Caldas Alkaline Complex.
- **Hole CS-DDH-003:** Third hole drilled into Cupim South prospect, intersected a remarkable 87m thickness of saprolitic clays. This is currently the third thickest intercept of clays within the entire Poços de Caldas Alkaline Complex.
- 100% success rate in intercepting clay mineralisation in every hole drilled to date. Five rigs running on site with over 135 holes completed.



**Figure 1:** Location of FZ-DDH-001 within the southern half of Fazenda Prospect Mining License, which has intercepted 47m of Saprolitic Clay. Image shows proximity to other historic hand-held Auger Holes which were drilled into the “leached layer”, limited to a maximum depth of 3m<sup>1,3</sup>.





**Figure 2:** Location of CS-DDH-003 which has intercepted 87-metres of saprolitic clay within the Cupim South Prospect<sup>1,2</sup>

## Placement Details

The Company has appointed Sixty Two Capital Pty Ltd (ABN 13 611 480 169) (“Sixty Two Capital”), an authorised representative of AFSL 531982, as lead manager of the Placement (“Lead Manager”). The Company and Sixty Two Capital have entered into an agreement to set out the terms of Sixty Two Capital’s engagement (“Lead Manager Mandate”). Under the Lead Manager Mandate, the Company has agreed to pay the Lead Manager a placement fee of 6% of the amount raised under the Placement.

The Company will issue approximately 3,250,000 New Shares at an issue price of \$0.95 per New Share (“Offer Price”), raising ~A\$3.09 million. The Placement will take place as a single tranche and New Shares will be issued via the Company’s placement capacity pursuant to ASX Listing Rule 7.1.

The Offer Price represents a:

- 12.0% discount to last closing price of \$1.08
- 10.4% discount to the 10-day VWAP of \$1.06
- 5.9% discount to the 20-day VWAP of \$1.01

## INDICATIVE OFFER TIMETABLE<sup>1,2</sup>

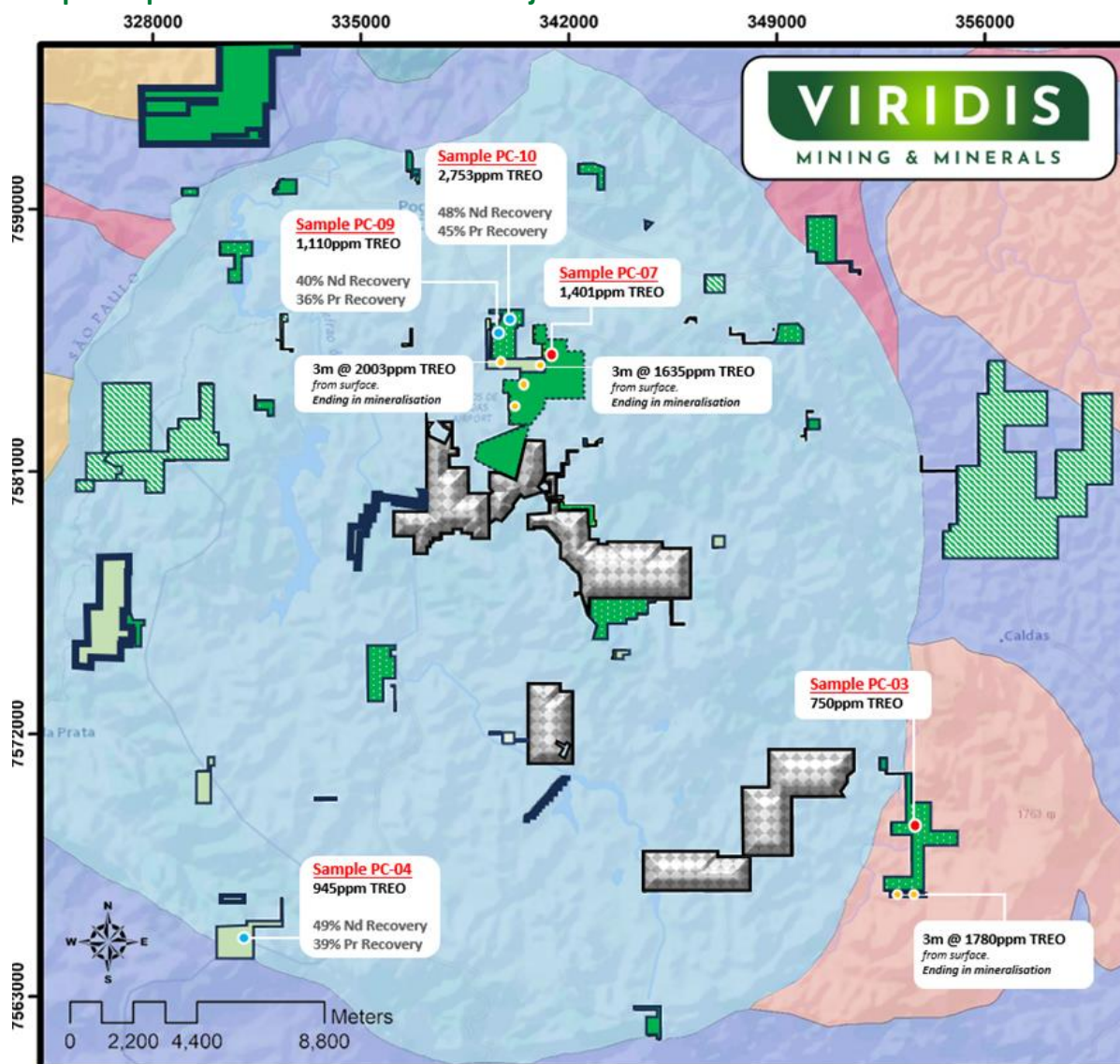
Event	Time / Date
Trading Halt	Tuesday, 24 October 2023
ASX Announcement / Trading Resumes	Thursday, 26 October 2023
Expected Date of ASX Quotation of New Shares	Friday, 10 November 2023

1. The Lead Manager and the Company reserve the right to vary these times and dates.
2. All times are Australian Western Standard Time unless otherwise indicated.

## Use of Funds

- Expanding Phase I & II drilling programs to progress Colossus Project towards maiden resource estimate
- Commencing optimised REE metallurgical testing
- General working capital

## Map of Exploration Data on Colossus Project



### LEGEND

- |   |   |
|---|---|
| Mining Licence  | Poços de Caldas alkaline complex  |
| Mining Application  | Syenite   |
| Right to Request Mining   | Granite   |
| Exploration Licence   | Charnockite   |
| Exploration Licence Application                                       | Paragneiss  |
| Recently acquired Exploration Licences (ASX Announcement 14/08/23)    | Orthogneiss   |
| Recently acquired Right to Request Mining (ASX Announcement 14/08/23) | Weathered outcrop samples from Colossus Concessions – Chemical Analysis                           |
| Caldeira Mineral Resource Estimate boundary – 409Mt @2,626ppm TREO    | Saprolite samples from Colossus Concessions – Chemical & Metallurgical Analysis (Ammonia Sulfate) |
|   | Previous areas of historic auger drilling up to 3meters depth                                     |

**Figure 3:** Map of all sample locations on Colossus concessions and areas previously drilled by 3-metre Auger holes that have all ended in mineralisation<sup>3,9</sup>.

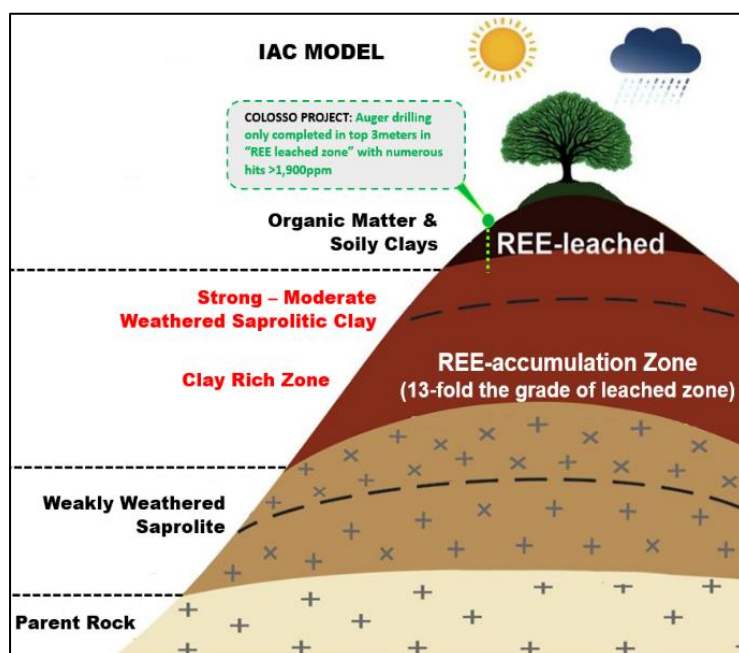


## Geology of Ionic Clays

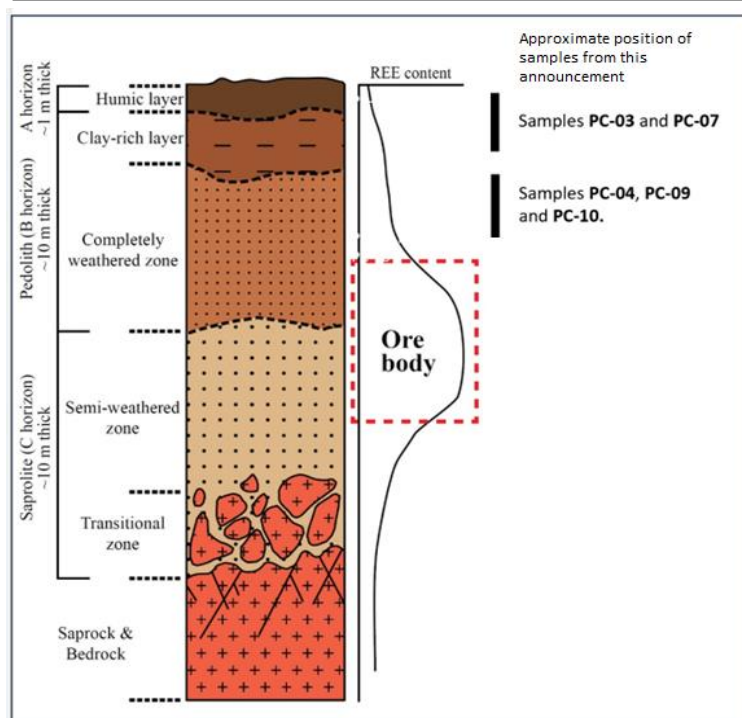
In the Poços de Caldas Complex, we find the optimal conditions for an Ionic Absorption Clay (“IAC”) type rare earth elements (“REE”) deposit. Its alkaline rocks, rich in feldspars, weather mainly into kaolinite. Simultaneously, these rocks contain bastnaesite, a rare earth fluorocarbonate. Upon weathering, bastnaesite releases REEs, which ionically bond with the existing clay minerals, further upgrading the region's mineral profile<sup>5</sup>.

The upper layer in this region consists of clayey soil and bauxite. Through lateralisation, some of the upper layer's rare earths are mobilised to the intermediate horizon, where kaolinite is the main clay mineral, retaining the REEs in ionic form adsorbed onto its structure<sup>5,7,8</sup>.

Within IAC deposits, the top layer presents the lowest levels of REE mineralisation, as illustrated in the deposition model of both Malaysian and South China Ionic Clay Projects (see Figure 4 and Figure 5).



**Figure 4:** Deposition Model of Malaysian Ionic Clay Project superposition of Colossus Project Auger Drill depths<sup>6</sup>.



**Figure 5:** General IAC Deposition Model (Li & Zhou, 2020) with an estimated placement of the Colossus Project samples based on their visual and chemical characteristics<sup>8</sup>.

## Resignation of Joint Company Secretary

Viridis advises that Shannon Robinson has resigned from the role of Joint Company Secretary. Carly Terzanidis remains in the role of Company Secretary to the Company and its Australian subsidiaries.

The Board sincerely thanks Shannon for her efforts during the Company's growth phase to date.

## Contacts

For more information, please visit our website, [www.viridismining.com.au](http://www.viridismining.com.au) or contact:

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## About Viridis Mining and Minerals

Viridis Mining and Minerals Limited is a resource exploration and development company with assets in Brazil, Canada and Australia. The Company's Projects comprise:

- The Colossus Project, which the Company considers to be prospective for Rare Earth Elements;
- The South Kitikmeot Project, which the Company considers to be prospective for gold;
- The Boddington West Project, which the Company considers to be prospective for gold;
- The Bindoon Project, which the Company considers to be prospective for nickel, copper and platinum group elements; and
- The Poochera and Smoky Projects, which the Company considers to be prospective for kaolin-halloysite; and
- The Ytterby and Star Lake Projects, which the Company considers prospective for Rare Earth Elements.

## Competent Person Statement

Dr. José Marques Braga Júnior, the in-country Executive Director of Viridis' Brazilian subsidiary (Viridis Mining and Minerals Brazil Ltda), compiled and evaluated the technical information in this release and is a member of the Australian Institute of Geoscientists (AIG) (MAusIMM, 2023, 336416), accepted to report in accordance with ASX listing rules. Dr Braga has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting of Regulation, Exploration Results, Mineral Resources, and Ore Reserves. Dr Braga consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

All announcements referred to throughout can be found on the Company's website – [viridismining.com.au](http://viridismining.com.au).

## Forward-Looking Statements

This announcement contains 'forward-looking information' based on the Company's expectations, estimates and projections as of the date the statements were made. This forward-looking information includes, among other things, statements concerning the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, mineral reserves and resources, results of exploration and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions and that the Company's results or performance may differ materially. Forward-looking information is subject to known and unknown risks, uncertainties, and other factors that may cause the Company's actual results, level of activity, performance or achievements to materially differ from those expressed or implied by such forward-looking information.

## References

1. VMM ASX announcement dated 20 October 2023 'Thick Intercepts of Saprolitic Clay up to 87m at Colossus'
2. Meteoric Resources NL (ASX: MEI) announcement dated 1 May 2023 'Caldeira REE Project Maiden Mineral Resource'
3. VMM ASX announcement dated 1 August 2023 'Acquisition Potential Tier One Ionic Clay Rare Earth Project'
4. Polygenetic processes in the genesis of clay deposit of Poços de Caldas alkaline massif in southeastern Brazil, C. Montes, A. Melfi, A. Carvalho, A. Viera-Coelho, *Journal of Applied Clay Science*, 2016
5. Comparison of characteristics and geochemical behaviors of REEs in two weathered granitic profiles generated from metamictized bedrocks in Western Peninsular Malaysia, A. Yaraghi, K. Ariffin, N. Baharun, *Journal of Asian Earth Sciences*, 2020
6. Adsorption of rare earth elements in regolith-hosted clay deposits, A. Borst, M. Smith et al., 2020
7. The role of clay minerals in the formation of the regolith-hosted heavy rare earth element deposits, M. Li, M. Zhou, *Journal of American Mineralogist*, 2020
8. VMM ASX announcement dated 14 September 2023 'Maiden Drilling Program Commences At Colossus Ionic Clay Project'
9. VMM ASX announcement dated 29 August 2023 'Initial Metallurgical Work Confirm Colossus True IAC Project'