Colossus Exploration and Development Update

ASX Release: 19 January 2024

Highlights

- **Phase I & II drilling campaigns approaching completion with only three diamond and three RC holes remaining to be drilled at the highly prospective Cupim South prospect.**

- **103 metres of highly weathered saprolite clay intersected from the most recent diamond drill hole (CS-DDH-007) at the Cupim South prospect, confirming that the saprolite hosting body extends well beyond the auger holes with outstanding thick intercepts being discovered[1].**

- **Hole CS-DDH-007, is located in close vicinity and along a strike length bounded by previously reported intercepts at CS-DDH-001 and CS-DDH-003, which had returned the following impressive results[2]:**
  - **CS-DDH-001: 24.0m @ 4,573ppm TREO [38% MREO] incl. 14m @ 6,177ppm TREO [40% MREO] from 3m.**
  - **CS-DDH-003: 46.0m @3,285ppm TREO [27% MREO] within broader section of 65.0m @ 2,799ppm TREO [28% MREO].**

- **Further assays from multiple thick diamond and RC clay intercepts are pending, which have already significantly extended far beyond the nearby auger depths across Colossus' concessions[1,3]:**
  - **FZ-AC-057: ~40m of saprolitic clay next to auger hole FZ-AG-044: 8m @5,441ppm TREO ending in mineralisation of 8,291ppm TREO.**
  - **CDP-DDH-005: ~50m of saprolitic clay next to auger hole CDP-AG-023: 8m @3,606ppm TREO ending in mineralisation of 4,349ppm TREO.**
  - **CJ-AC-032: ~75m of saprolitic clay next to auger hole CJ-AG-019: 11m @5,081ppm TREO ending in mineralisation of 7,790ppm TREO.**
  - **FZ-AC-029: ~50m of saprolitic clay next to auger hole FZ-AG-100: 6m @4,291ppm TREO ending in mineralisation of 5,584ppm TREO.**

- **Consistent high-grade and thick intercept results across the various tenement packages drilled to date has given Viridis management the appropriate guidance on the potential target areas for its maiden resource.**

- **Viridis has engaged and signed a formal contract with BNA Mining Solutions, to prepare its Maiden JORC Mineral Resource Estimate for the Colossus Ionic Adsorption Clay Rare Earth Project in Poços De Caldas, Brazil.**

- **The Resource Estimate will encompass four project areas of the Northern Concessions, Cupim South, Capao da Onca (Western area) and Ribeirão das Antas prospects, with an anticipated completion date in Q2 2024.**

- **Samples have been prepared and sent to ANSTO to commence optimized Ionic desorption test-work imminently following receipt of the next batch of drilling assays expected this month.**

[1] VMM ASX announcement dated 3 January 2024
[2] VMM ASX announcement dated 20 November 2023
[3] VMM ASX announcement dated 7 December 2023

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Map of Exploration Data Highlights on Colossus Project

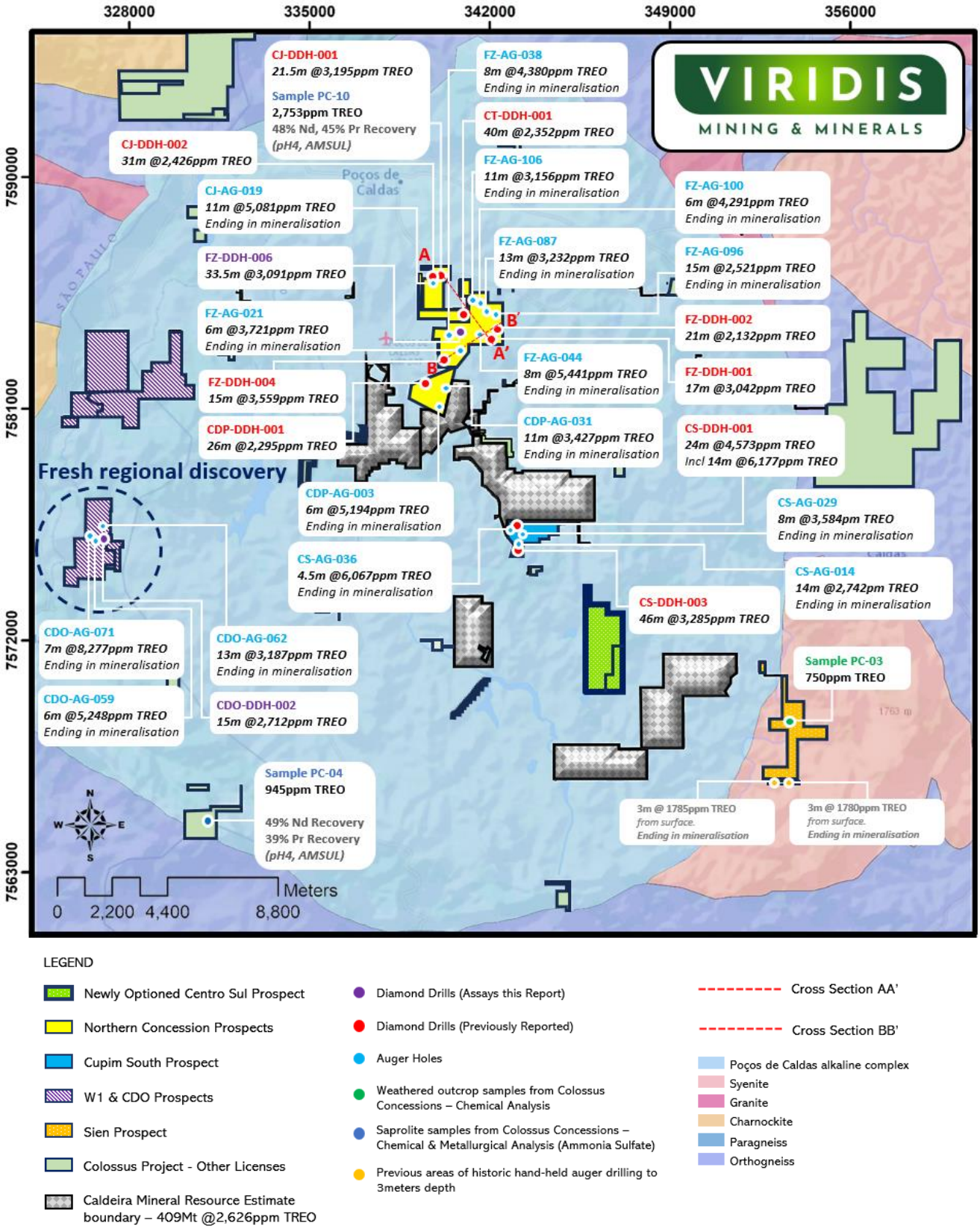

Figure 1: *Map of diamond and auger drill highlights, surface grab sample in 'leached layer' including recoveries of samples washed with ammonia sulfate and historic hand-held auger highlights on Colossus concessions. Image superimposes newly optioned Centro Sul Prospect and proximity of Caldeira Ionic Clay Resource[1]. Auger holes have all ended in mineralisation[1,3].*

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Chief Executive Officer, Rafael Moreno commented:

"We are pleased with the enormous amount of exploration work completed since acquisition of Colossus, and continue to be impressed with the exceptionally thick intercepts of highly weathered saprolite clays encountered throughout the Project.

The appointment of BNA Mining Solutions signifies a major milestone in our journey from explorer to producer. The exceptional results we've seen as part of our Phase I & II drilling programs will support the definition of the Company's maiden mineral resource estimate, and gives us confidence on being able to deliver a successful development strategy".

Drilling Update

Viridis Mining and Minerals Limited ("Viridis" or Company") is pleased to report that the scope of its initial drilling program at Colossus will come to a conclusion next week, with all auger drilling now completed, and only two diamond and two RC holes remaining to be drilled at the very promising Cupim South prospect.

Although Viridis has begun gearing up for development phases of the Colossus Project, the company will continue exploring aggressively with RC and diamond drilling. This deeper drilling aims to test beneath the highest-grade auger portions of the Colossus Project which will allow the company to gain a full understanding of the clay mineralisation in these areas.

Viridis is excited to have managed to complete its drill program at Cupim South following the outstanding diamond drill hole CS-DDH-007, which intercepted 103 meters of saprolite clay, reinforcing the deep weathering horizon present in this concession.

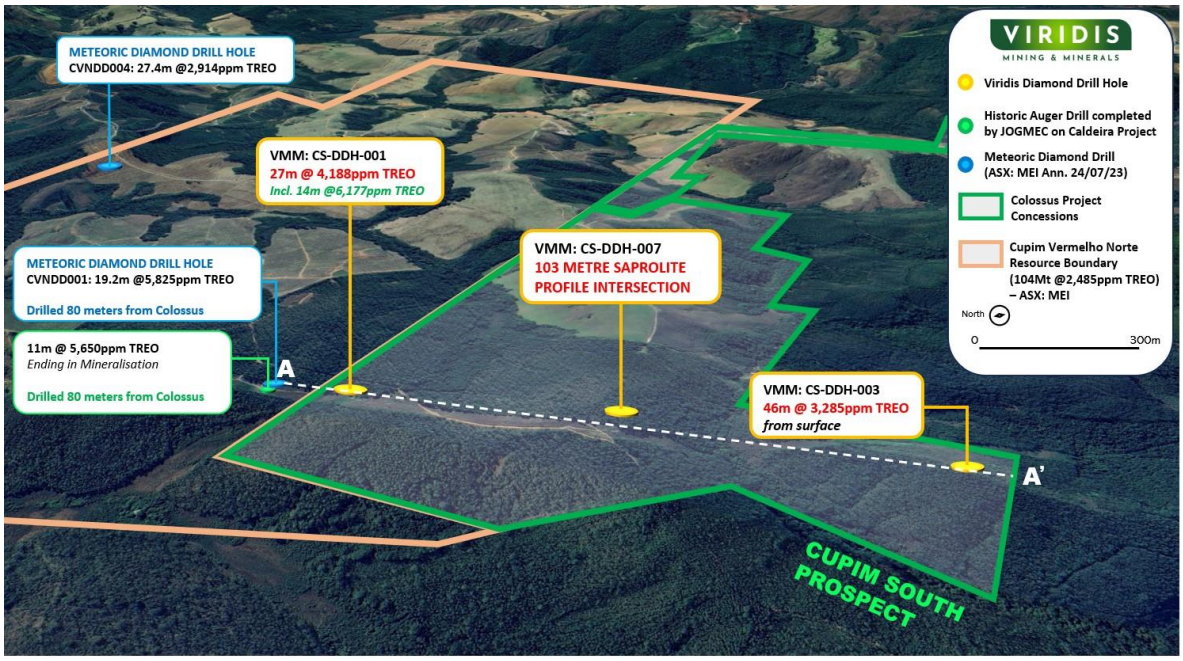

Figure 2: *Satellite Map of Cupim South prospect, showing location of Diamond Holes across cross-section AA' and position of CS-DDH-007 with respect to previously reported intercepts at CS-DDH-001 and CS-DDH-003[1].*

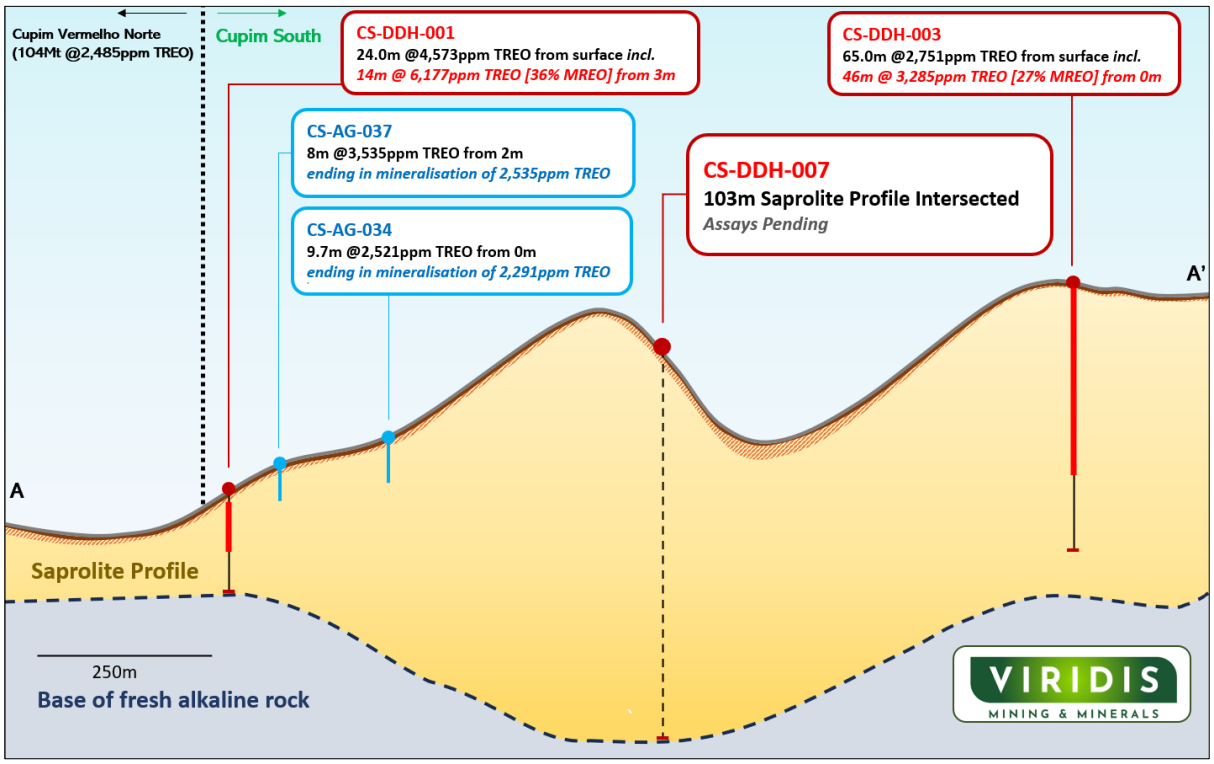

Figure 3: *Cross Section Cupim South prospect, geological interpretation of cross section AA'[3].*

Diamond drill hole CS-DDH-007 has completely changed the understanding of the saprolite profile at Cupim South and highlights an area which has undergone significantly more weathering. This has drastically improved the tonnage potential at this prospect. Once assays received for remainder of diamond and RC holes at Cupim South, Viridis will gain a clearer understanding of what portion of this saprolite profile remains mineralised with high-grade REE's and how deep the weathering profile truly is at Cupim South.

BNA Mining Solutions Engagement

Viridis Mining and Minerals Limited ("Viridis" or Company") is pleased to report that it has appointed BNA Mining Solutions to prepare its Maiden JORC Resource Estimate on the back of the impressive Phase I and II drilling campaigns.

BNA Mining Solutions has extensive experience in mineral resources and reserves quantification in accordance with international standards, including the Australasian JORC (Joint Ore Reserves Committee) Code, as well as reports in Brazilian national standards required by ANM (National Mining Agency). BNA Mining Solutions also has substantial experience in modelling Ionic Clay REE deposits, in particular with projects located in Brazil.

This marks a major milestone for Viridis upon completing the final holes of the Phase I and II exploration programs and the Company is now looking forward to delineating what it believes will be a world class IAC resource. Within a brief 6 months since acquisition of the Colossus Project, Viridis has already completed a total of 312 Auger Holes, 37 Diamond Holes and 38 RC Holes which exemplifies the companies unwavering commitment to invest time and resources into exploration efforts. As the team gears up to embark into development phases for Colossus, the team with continue with its aggressive exploration strategy aimed at unlocking further value within the Alkaline Complex.

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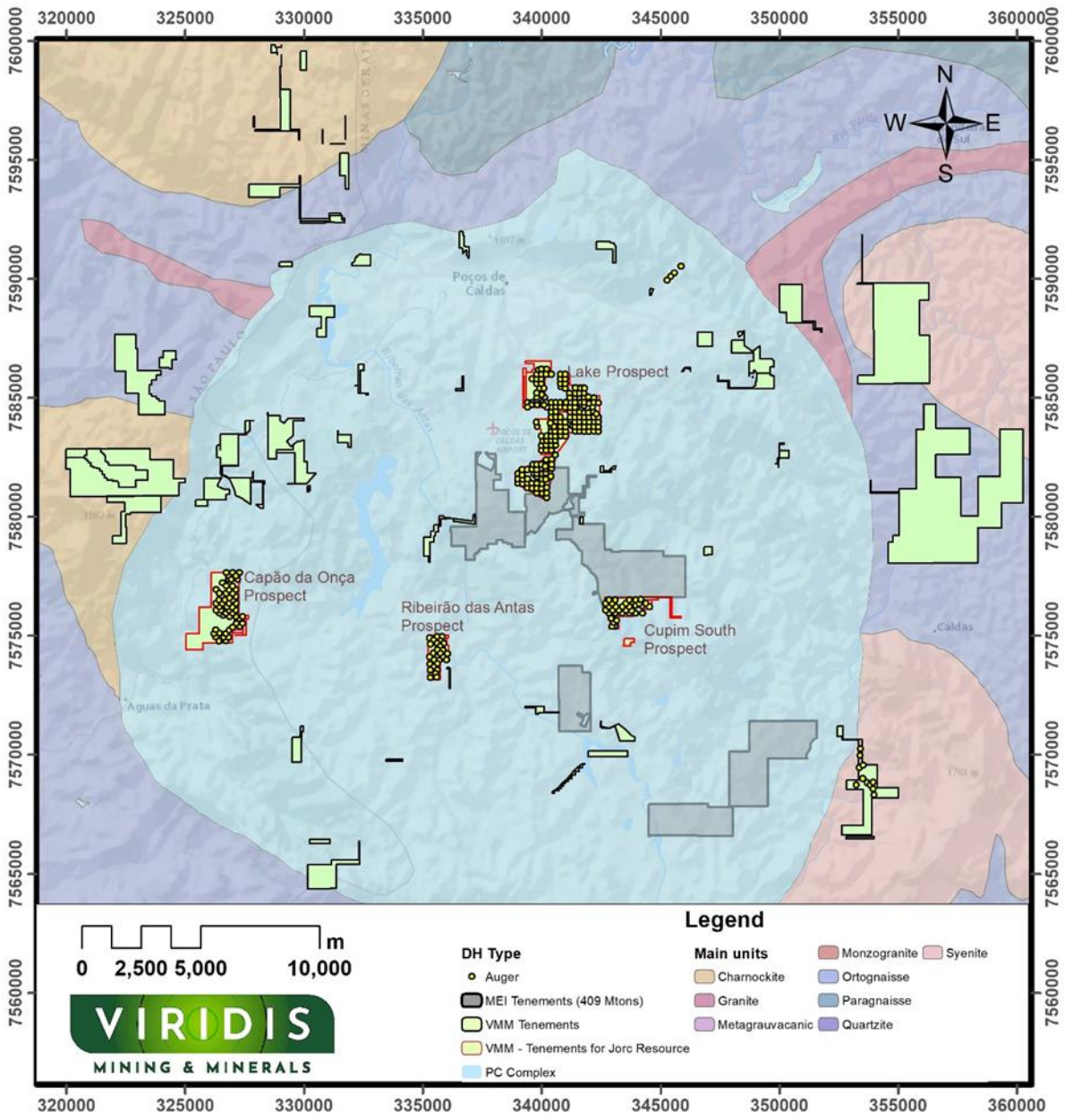

Figure 4: *Map of the Colossus tenements which have included as part of the initial Phase I & II auger drilling campaign and key area's which is expected to form basis of maiden resource, which include the Northern Concessions, Cupim South, Capao da Onca (Western area) and Ribeiro prospects highlighted in dotted shape[1].*

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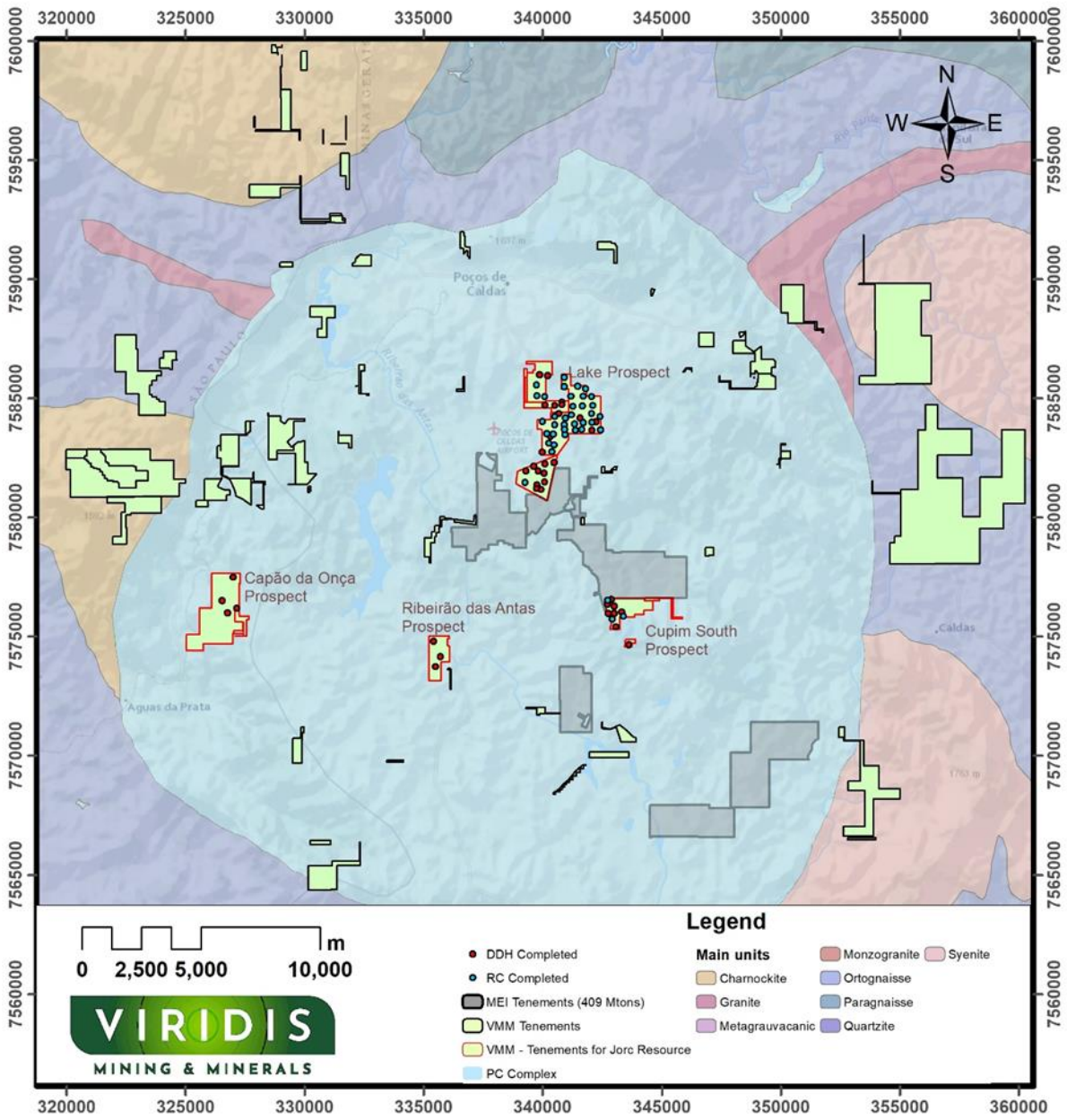

Figure 5: *Map of the Colossus tenements which have included as part of the initial Phase I & II diamond and RC drilling campaign and key area's which is expected to form basis of maiden resource, which include the Northern Concessions, Cupim South, Capao da Onca (Western area) and Ribeiro prospects highlighted in dotted shape[1].*

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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 Mineração Ltda), compiled and evaluated the technical information in this release and is a member of the Australian Institute of Geoscientists (AIG) (MAusIMM, 2024, 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 of matters in the report based on information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred to in this release and that all material assumptions and technical information referenced in the market announcement continue to apply and have not materially changed.
All announcements referred to throughout can be found on the Company's website – 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.

Cautionary Note

The information in this announcement in respect of diamond and auger holes is based solely on a visual inspection of the drill core samples from the hole. The assay and analysis of the core samples are pending. In relation to the disclosure of visual intersections of clay, the Company cautions that visual intersections of clay should never be considered a proxy or substitute for laboratory analysis. Laboratory assay results are required

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to confirm the full thickness and grade of visual intersections of clay reported in the preliminary geological logging. The Company will update the market when laboratory analytical results become available.

Further References

3. *Meteoric Resources NL (ASX: MEI) announcement dated 1 May 2023 'Caldeira REE Project Maiden Mineral Resource'*

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APPENDIX A: DRILL LOCATIONS

Diamond and auger drill coordinates of assays reported within this announcement:

Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
CA-AG-06	834.738/1995	353,414.759	7,570,261.915	6.00	Auger
CA-AG-07	834.738/1995	353,413.152	7,569,973.432	10.50	Auger
CA-AG-09	834.738/1995	353,378.283	7,569,464.708	11.00	Auger
CA-AG-10	834.738/1995	353,531.165	7,569,563.815	6.00	Auger
CA-AG-18	834.738/1995	353,248.763	7,568,736.857	8.00	Auger
CA-AG-19	834.738/1995	353,519.597	7,569,008.297	15.00	Auger
CA-AG-20	834.738/1995	353,710.159	7,568,835.945	8.00	Auger
CA-AG-27	834.738/1995	353,833.849	7,568,746.542	12.00	Auger
CA-AG-32	834.738/1995	353,955.429	7,568,856.708	12.00	Auger
CA-AG-33	834.738/1995	353,949.243	7,568,570.524	8.00	Auger
CA-AG-37	834.738/1995	353,991.394	7,568,308.453	10.00	Auger
CA-AG-42	834.738/1995	326,702.960	7,574,807.242	4.00	Auger
CDO-AG-03	830.419/2019	326,820.145	7,574,955.577	14.00	Auger
CDO-AG-04	830.419/2019	327,303.610	7,575,391.673	7.00	Auger
CDO-AG-05	830.419/2019	327,423.043	7,575,527.092	5.50	Auger
CDO-AG-06	830.419/2019	326,429.883	7,574,791.384	11.00	Auger
CDO-AG-07	830.419/2019	326,625.224	7,574,951.696	12.50	Auger
CDO-AG-08	830.419/2019	326,712.937	7,575,101.585	10.00	Auger
CDO-AG-09	830.419/2019	326,861.527	7,575,240.720	11.00	Auger
CDO-AG-10	830.419/2019	327,272.744	7,577,645.130	14.00	Auger
CDO-AG-100	830.419/2019	326,300.209	7,576,939.362	13.50	Auger
CDO-AG-102	830.419/2019	326,559.809	7,577,222.861	10.00	Auger
CDO-AG-104	830.419/2019	326,817.508	7,577,370.348	7.00	Auger
CDO-AG-105	830.419/2019	326,837.390	7,577,515.318	11.00	Auger
CDO-AG-106	830.419/2019	326,992.880	7,577,651.679	10.00	Auger
CDO-AG-107	830.419/2019	326,991.401	7,575,368.483	7.00	Auger
CDO-AG-11	830.419/2019	326,727.632	7,577,649.988	11.00	Auger
CDO-AG-112	830.419/2019	327,147.982	7,575,527.408	7.00	Auger
CDO-AG-12	830.419/2019	327,427.260	7,575,804.706	4.50	Auger
CDO-AG-14	830.419/2019	326,292.000	7,574,961.000	11.00	Auger
CDO-AG-16	830.419/2019	326,449.371	7,575,110.579	14.00	Auger
CDO-AG-17	830.419/2019	327,143.328	7,575,802.186	12.00	Auger
CDO-AG-22	830.419/2019	326,207.172	7,575,084.389	6.00	Auger
CDO-AG-27	830.419/2019	326,289.054	7,575,251.269	10.00	Auger
CDO-AG-28	830.419/2019	326,864.151	7,575,808.105	8.00	Auger
CDO-AG-32	830.419/2019	326,991.352	7,575,953.086	8.00	Auger
CDO-AG-33	830.419/2019	327,138.854	7,576,087.882	7.00	Auger
CDO-AG-34	830.419/2019	326,605.937	7,575,853.161	10.00	Auger

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
CDO-AG-44	830.419/2019	326,712.391	7,575,941.516	5.00	Auger
CDO-AG-45	830.419/2019	326,855.859	7,576,092.753	4.00	Auger
CDO-AG-46	830.419/2019	326,977.916	7,576,216.195	13.00	Auger
CDO-AG-47	830.419/2019	327,149.727	7,576,371.124	11.00	Auger
CDO-AG-48	830.419/2019	326,439.222	7,575,945.748	8.00	Auger
CDO-AG-58	830.419/2019	326,503.824	7,576,090.848	3.30	Auger
CDO-AG-59	830.419/2019	326,757.196	7,576,234.347	6.00	Auger
CDO-AG-60	830.419/2019	326,856.772	7,576,374.595	10.00	Auger
CDO-AG-61	830.419/2019	326,993.360	7,576,521.850	8.00	Auger
CDO-AG-62	830.419/2019	327,144.087	7,576,657.671	13.00	Auger
CDO-AG-63	830.419/2019	326,293.224	7,576,093.646	14.00	Auger
CDO-AG-70	830.419/2019	326,435.800	7,576,226.614	11.00	Auger
CDO-AG-71	830.419/2019	326,564.036	7,576,371.926	7.30	Auger
CDO-AG-72	830.419/2019	326,682.872	7,576,521.629	11.30	Auger
CDO-AG-73	830.419/2019	326,863.812	7,576,597.280	4.00	Auger
CDO-AG-74	830.419/2019	326,997.882	7,576,793.516	9.00	Auger
CDO-AG-75	830.419/2019	327,141.449	7,576,940.253	12.00	Auger
CDO-AG-76	830.419/2019	326,300.253	7,576,376.958	4.00	Auger
CDO-AG-82	830.419/2019	326,432.192	7,576,514.514	6.30	Auger
CDO-AG-83	830.419/2019	326,723.095	7,576,792.411	10.70	Auger
CDO-AG-85	830.419/2019	326,859.609	7,576,927.889	16.00	Auger
CDO-AG-86	830.419/2019	326,999.000	7,577,083.000	6.00	Auger
CDO-AG-88	830.419/2019	327,205.597	7,577,372.643	12.00	Auger
CDO-AG-89	830.419/2019	326,435.699	7,576,797.349	14.00	Auger
CDO-AG-94	830.419/2019	326,736.659	7,577,100.257	11.00	Auger
CDO-AG-96	830.419/2019	326,949.814	7,577,374.863	9.00	Auger
CDO-AG-98	830.419/2019	327,131.026	7,577,514.058	9.00	Auger
CDO-AG-99	830.419/2019	340,202.800	7,580,797.801	11.00	Auger
CDP-AG-01	007.737/1959	339,796.344	7,580,997.352	7.00	Auger
CDP-AG-02	007.737/1959	340,026.040	7,580,982.103	3.50	Auger
CDP-AG-03	007.737/1959	340,206.222	7,581,005.596	9.00	Auger
CDP-AG-04	007.737/1959	339,397.913	7,581,205.258	2.50	Auger
CDP-AG-05	007.737/1959	339,603.805	7,581,189.671	10.00	Auger
CDP-AG-06	007.737/1959	339,801.107	7,581,200.745	7.00	Auger
CDP-AG-07	007.737/1959	339,999.524	7,581,196.188	9.00	Auger
CDP-AG-08	007.737/1959	340,207.302	7,581,227.666	7.00	Auger
CDP-AG-09	007.737/1959	338,999.424	7,581,409.355	10.00	Auger
CDP-AG-10	007.737/1959	339,189.840	7,581,397.272	8.00	Auger
CDP-AG-11	007.737/1959	339,394.734	7,581,398.765	2.00	Auger
CDP-AG-12	007.737/1959	339,594.520	7,581,405.973	7.00	Auger
CDP-AG-13	007.737/1959	339,805.715	7,581,400.156	4.00	Auger
CDP-AG-14	007.737/1959	340,013.931	7,581,393.472	5.00	Auger

Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
CDP-AG-15	007.737/1959	339,003.004	7,581,597.385	11.00	Auger
CDP-AG-16	007.737/1959	339,203.120	7,581,594.357	16.00	Auger
CDP-AG-17	007.737/1959	339,402.958	7,581,601.938	13.00	Auger
CDP-AG-18	007.737/1959	339,808.908	7,581,699.903	10.00	Auger
CDP-AG-19	007.737/1959	340,009.626	7,581,595.399	7.00	Auger
CDP-AG-21	007.737/1959	340,180.418	7,581,592.980	15.50	Auger
CDP-AG-22	007.737/1959	338,998.730	7,581,808.622	12.00	Auger
CDP-AG-23	007.737/1959	339,176.299	7,581,764.166	8.00	Auger
CDP-AG-24	007.737/1959	339,675.206	7,581,807.551	7.00	Auger
CDP-AG-25	007.737/1959	339,792.998	7,581,838.537	8.00	Auger
CDP-AG-27	007.737/1959	340,029.906	7,581,810.781	2.00	Auger
CDP-AG-28	007.737/1959	340,178.954	7,581,844.409	7.00	Auger
CDP-AG-29	007.737/1959	340,391.969	7,581,706.978	12.00	Auger
CDP-AG-30	007.737/1959	339,175.681	7,581,989.837	10.00	Auger
CDP-AG-31	007.737/1959	339,397.039	7,581,993.826	15.00	Auger
CDP-AG-32	007.737/1959	339,599.816	7,582,005.039	5.00	Auger
CDP-AG-33	007.737/1959	339,800.257	7,581,997.146	6.00	Auger
CDP-AG-34	007.737/1959	340,167.552	7,582,028.599	13.50	Auger
CDP-AG-35	007.737/1959	340,415.656	7,582,040.105	15.00	Auger
CDP-AG-36	007.737/1959	339,631.525	7,582,198.983	10.00	Auger
CDP-AG-37	007.737/1959	339,802.969	7,582,213.676	15.00	Auger
CDP-AG-38	007.737/1959	339,999.001	7,582,203.105	15.00	Auger
CDP-AG-39	007.737/1959	340,159.751	7,582,131.970	9.00	Auger
CDP-AG-40	007.737/1959	340,414.393	7,582,201.267	4.00	Auger
CDP-AG-41	007.737/1959	340,198.474	7,582,396.645	13.00	Auger
CDP-AG-42	007.737/1959	340,422.199	7,582,413.035	14.00	Auger
CDP-AG-43	007.737/1959	340,580.346	7,582,604.080	11.00	Auger
CDP-AG-44	007.737/1959	339,798.009	7,585,007.222	10.00	Auger
CDP-AG-45	007.737/1959	340,123.060	7,585,008.481	6.00	Auger
CDP-AG-46	007.737/1959	339,799.596	7,585,205.391	15.00	Auger
CJ-AG-03	830.113/2006	340,008.619	7,585,132.711	8.00	Auger
CJ-AG-04	830.113/2006	339,921.353	7,585,405.577	4.00	Auger
CJ-AG-07	830.113/2006	340,098.055	7,585,408.025	4.00	Auger
CJ-AG-08	830.113/2006	339,797.184	7,585,603.230	7.00	Auger
CJ-AG-11	830.113/2006	339,975.785	7,585,605.467	9.00	Auger
CJ-AG-12	830.113/2006	339,599.983	7,585,799.997	5.00	Auger
CJ-AG-15	830.113/2006	339,796.807	7,585,804.187	7.00	Auger
CJ-AG-16	830.113/2006	339,998.906	7,585,801.938	4.00	Auger
CJ-AG-18	830.113/2006	339,801.153	7,586,001.012	11.00	Auger
CJ-AG-19	830.113/2006	340,001.249	7,586,003.394	11.00	Auger
CJ-AG-20	830.113/2006	340,200.001	7,586,000.006	7.00	Auger
CJ-AG-23	830.113/2006	340,399.988	7,586,000.007	16.00	Auger

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
CJ-AG-24	830.113/2006	339,869.189	7,586,176.265	13.00	Auger
CJ-AG-25	830.113/2006	340,001.911	7,586,200.256	10.00	Auger
CJ-AG-26	830.113/2006	340,202.100	7,586,210.899	13.00	Auger
CJ-AG-27	830.113/2006	344,253.000	7,575,951.000	12.00	Auger
CJ-AG-28	830.113/2006	344,536.112	7,576,234.174	17.50	Auger
CJ-AG-29	830.113/2006	343,970.000	7,575,951.000	2.00	Auger
CS-AG-01	833.560/1996	344,222.704	7,576,260.026	7.40	Auger
CS-AG-02	833.560/1996	344,393.553	7,576,375.472	13.00	Auger
CS-AG-03	833.560/1996	343,103.044	7,575,391.912	11.00	Auger
CS-AG-05	833.560/1996	343,686.923	7,575,951.003	5.30	Auger
CS-AG-06	833.560/1996	343,779.022	7,576,078.094	19.00	Auger
CS-AG-07	833.560/1996	343,968.916	7,576,276.662	11.00	Auger
CS-AG-08	833.560/1996	344,111.033	7,576,375.142	19.00	Auger
CS-AG-09	833.560/1996	344,172.695	7,576,526.133	16.00	Auger
CS-AG-10	833.560/1996	342,967.375	7,575,401.685	13.00	Auger
CS-AG-11	833.560/1996	343,038.942	7,575,551.773	11.00	Auger
CS-AG-12	833.560/1996	343,152.730	7,575,645.253	8.00	Auger
CS-AG-13	833.560/1996	343,400.121	7,575,937.983	12.00	Auger
CS-AG-14	833.560/1996	343,546.110	7,576,093.085	14.00	Auger
CS-AG-15	833.560/1996	343,687.331	7,576,233.935	16.00	Auger
CS-AG-16	833.560/1996	343,969.785	7,576,517.076	4.00	Auger
CS-AG-17	833.560/1996	342,970.182	7,575,834.913	20.00	Auger
CS-AG-18	833.560/1996	343,112.780	7,575,949.432	16.00	Auger
CS-AG-19	833.560/1996	343,258.566	7,576,096.992	16.00	Auger
CS-AG-20	833.560/1996	343,403.883	7,576,233.988	11.00	Auger
CS-AG-21	833.560/1996	343,545.880	7,576,375.134	8.40	Auger
CS-AG-22	833.560/1996	343,686.967	7,576,517.196	20.00	Auger
CS-AG-23	833.560/1996	342,834.934	7,575,952.045	11.00	Auger
CS-AG-24	833.560/1996	342,980.000	7,576,093.000	10.00	Auger
CS-AG-25	833.560/1996	343,119.645	7,576,231.275	8.00	Auger
CS-AG-26	833.560/1996	342,706.199	7,576,082.110	14.00	Auger
CS-AG-27	833.560/1996	342,835.511	7,576,237.150	5.50	Auger
CS-AG-28	833.560/1996	342,974.497	7,576,371.433	7.60	Auger
CS-AG-29	833.560/1996	343,104.133	7,576,514.790	11.00	Auger
CS-AG-32	833.560/1996	342,697.384	7,576,371.308	11.00	Auger
CS-AG-33	833.560/1996	342,840.292	7,576,508.070	8.30	Auger
CS-AG-34	833.560/1996	342,928.935	7,575,727.776	9.70	Auger
CS-AG-35	833.560/1996	340,399.992	7,584,600.015	16.00	Auger
CS-AG-36	833.560/1996	340,600.260	7,584,602.181	9.50	Auger
CS-AG-37	833.560/1996	340,799.990	7,584,599.990	9.70	Auger
CS-AG-38	833.560/1996	340,998.517	7,584,598.152	8.50	Auger
CT-AG-01	830.927/2016	339,403.739	7,584,798.245	9.00	Auger

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
CT-AG-02	830.927/2016	339,599.999	7,584,799.989	10.50	Auger
CT-AG-03	830.927/2016	339,799.976	7,584,799.980	8.00	Auger
CT-AG-04	830.927/2016	340,059.792	7,584,813.656	4.00	Auger
CT-AG-05	830.927/2016	340,200.007	7,584,800.003	13.00	Auger
CT-AG-06	830.927/2016	340,400.005	7,584,800.015	12.00	Auger
CT-AG-07	830.927/2016	340,599.990	7,584,800.018	7.00	Auger
CT-AG-08	830.927/2016	340,790.442	7,584,796.004	4.00	Auger
CT-AG-09	830.927/2016	340,999.990	7,584,800.002	8.00	Auger
CT-AG-10	830.927/2016	340,205.850	7,584,614.096	10.00	Auger
CT-AG-11	830.927/2016	340,099.961	7,584,699.553	10.00	Auger
CT-AG-12	830.927/2016	339,809.159	7,584,701.656	6.00	Auger
CT-AG-13	830.927/2016	339,571.764	7,584,691.127	6.00	Auger
CT-AG-14	830.927/2016	339,405.788	7,584,609.208	6.00	Auger
CT-AG-15	830.927/2016	339,996.904	7,582,801.809	6.00	Auger
CT-AG-16	830.927/2016	340,198.859	7,582,800.617	5.00	Auger
CT-AG-17	830.927/2016	340,399.185	7,582,797.356	5.00	Auger
CT-AG-18	830.927/2016	340,004.413	7,582,996.225	10.00	Auger
FZ-AG-01	009.031/1966	340,197.881	7,583,001.714	11.00	Auger
FZ-AG-02	009.031/1966	340,402.260	7,583,005.130	12.00	Auger
FZ-AG-03	009.031/1966	340,605.766	7,583,003.822	5.00	Auger
FZ-AG-05	009.031/1966	340,051.631	7,583,189.008	5.00	Auger
FZ-AG-06	009.031/1966	341,401.202	7,585,000.950	7.00	Auger
FZ-AG-07	009.031/1966	341,620.947	7,584,996.122	13.00	Auger
FZ-AG-08	009.031/1966	341,797.325	7,585,003.898	8.00	Auger
FZ-AG-10	009.031/1966	341,974.015	7,585,028.996	4.00	Auger
FZ-AG-100	009.031/1966	342,203.411	7,585,005.520	6.80	Auger
FZ-AG-101	009.031/1966	341,165.010	7,585,202.983	10.00	Auger
FZ-AG-102	009.031/1966	341,419.237	7,585,189.473	8.80	Auger
FZ-AG-103	009.031/1966	341,602.074	7,585,188.863	10.90	Auger
FZ-AG-104	009.031/1966	341,795.693	7,585,207.276	8.70	Auger
FZ-AG-106	009.031/1966	340,202.865	7,583,204.332	14.00	Auger
FZ-AG-107	009.031/1966	340,817.637	7,585,478.015	12.00	Auger
FZ-AG-108	009.031/1966	341,000.005	7,585,399.992	7.00	Auger
FZ-AG-109	009.031/1966	341,410.781	7,585,417.111	5.00	Auger
FZ-AG-11	009.031/1966	341,641.764	7,585,416.177	8.00	Auger
FZ-AG-110	009.031/1966	341,801.509	7,585,413.514	1.90	Auger
FZ-AG-111	009.031/1966	340,800.000	7,585,600.005	6.00	Auger
FZ-AG-113	009.031/1966	341,000.000	7,585,599.960	4.00	Auger
FZ-AG-114	009.031/1966	340,800.003	7,585,800.002	10.00	Auger
FZ-AG-115	009.031/1966	340,999.994	7,585,800.018	6.00	Auger
FZ-AG-116	009.031/1966	340,397.809	7,583,199.951	4.00	Auger
FZ-AG-117	009.031/1966	340,800.009	7,586,000.001	4.00	Auger

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
FZ-AG-118	009.031/1966	341,000.003	7,586,000.003	2.60	Auger
FZ-AG-119	009.031/1966	340,577.519	7,583,197.329	10.00	Auger
FZ-AG-12	009.031/1966	340,001.736	7,583,398.077	3.50	Auger
FZ-AG-120	009.031/1966	340,206.246	7,583,397.687	5.00	Auger
FZ-AG-121	009.031/1966	340,396.951	7,583,401.421	11.80	Auger
FZ-AG-13	009.031/1966	340,585.218	7,583,390.900	3.00	Auger
FZ-AG-16	009.031/1966	340,813.160	7,583,416.242	3.00	Auger
FZ-AG-17	009.031/1966	341,002.479	7,583,401.387	12.00	Auger
FZ-AG-18	009.031/1966	340,397.322	7,583,603.527	9.50	Auger
FZ-AG-19	009.031/1966	340,556.997	7,583,593.927	3.00	Auger
FZ-AG-20	009.031/1966	340,800.177	7,583,602.583	8.00	Auger
FZ-AG-21	009.031/1966	341,008.870	7,583,600.201	12.00	Auger
FZ-AG-24	009.031/1966	341,424.684	7,583,603.341	7.00	Auger
FZ-AG-25	009.031/1966	341,601.921	7,583,604.603	5.00	Auger
FZ-AG-26	009.031/1966	341,794.944	7,583,601.514	8.00	Auger
FZ-AG-27	009.031/1966	341,994.260	7,583,600.524	8.00	Auger
FZ-AG-29	009.031/1966	342,196.871	7,583,603.628	6.00	Auger
FZ-AG-30	009.031/1966	342,402.914	7,583,600.738	11.00	Auger
FZ-AG-31	009.031/1966	339,816.023	7,583,814.179	6.00	Auger
FZ-AG-32	009.031/1966	340,397.843	7,583,802.825	7.50	Auger
FZ-AG-33	009.031/1966	340,523.065	7,583,799.287	15.00	Auger
FZ-AG-34	009.031/1966	340,801.525	7,583,802.789	6.00	Auger
FZ-AG-35	009.031/1966	341,005.111	7,583,798.009	6.00	Auger
FZ-AG-38	009.031/1966	341,315.884	7,583,816.755	12.00	Auger
FZ-AG-39	009.031/1966	341,409.006	7,583,804.356	7.00	Auger
FZ-AG-40	009.031/1966	341,602.440	7,583,794.961	9.00	Auger
FZ-AG-41	009.031/1966	341,800.731	7,583,797.086	3.00	Auger
FZ-AG-42	009.031/1966	342,001.862	7,583,801.413	9.50	Auger
FZ-AG-43	009.031/1966	342,199.073	7,583,801.126	9.00	Auger
FZ-AG-44	009.031/1966	342,400.586	7,583,796.397	14.00	Auger
FZ-AG-45	009.031/1966	339,790.498	7,583,985.672	7.00	Auger
FZ-AG-46	009.031/1966	340,372.566	7,583,945.511	10.00	Auger
FZ-AG-47	009.031/1966	340,613.537	7,584,013.116	11.00	Auger
FZ-AG-48	009.031/1966	340,799.027	7,584,003.038	8.00	Auger
FZ-AG-49	009.031/1966	340,995.855	7,583,994.090	5.00	Auger
FZ-AG-52	009.031/1966	341,211.387	7,584,091.956	6.00	Auger
FZ-AG-53	009.031/1966	341,401.425	7,583,996.569	9.00	Auger
FZ-AG-54	009.031/1966	341,600.544	7,584,002.579	11.00	Auger
FZ-AG-55	009.031/1966	341,801.239	7,583,997.417	5.00	Auger
FZ-AG-56	009.031/1966	342,005.956	7,583,997.358	16.00	Auger
FZ-AG-57	009.031/1966	342,211.387	7,584,002.116	7.00	Auger
FZ-AG-58	009.031/1966	342,391.397	7,583,999.229	11.00	Auger

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
FZ-AG-59	009.031/1966	340,400.062	7,584,197.248	9.00	Auger
FZ-AG-60	009.031/1966	340,601.601	7,584,203.370	12.00	Auger
FZ-AG-61	009.031/1966	340,802.721	7,584,201.592	10.00	Auger
FZ-AG-62	009.031/1966	341,198.871	7,584,200.153	7.00	Auger
FZ-AG-63	009.031/1966	341,398.868	7,584,196.302	8.00	Auger
FZ-AG-64	009.031/1966	341,599.999	7,584,199.466	16.00	Auger
FZ-AG-65	009.031/1966	341,800.903	7,584,197.487	5.50	Auger
FZ-AG-67	009.031/1966	341,995.704	7,584,199.875	11.00	Auger
FZ-AG-68	009.031/1966	342,197.780	7,584,197.242	10.00	Auger
FZ-AG-69	009.031/1966	342,399.434	7,584,193.455	7.00	Auger
FZ-AG-70	009.031/1966	340,399.195	7,584,400.159	6.00	Auger
FZ-AG-71	009.031/1966	340,599.952	7,584,403.545	6.00	Auger
FZ-AG-72	009.031/1966	341,205.936	7,584,400.431	12.00	Auger
FZ-AG-73	009.031/1966	341,400.001	7,584,399.864	8.00	Auger
FZ-AG-74	009.031/1966	341,592.560	7,584,396.672	10.00	Auger
FZ-AG-75	009.031/1966	341,784.729	7,584,369.215	9.00	Auger
FZ-AG-78	009.031/1966	341,968.098	7,584,370.898	12.00	Auger
FZ-AG-79	009.031/1966	342,190.810	7,584,411.670	4.00	Auger
FZ-AG-80	009.031/1966	342,305.272	7,584,330.670	4.00	Auger
FZ-AG-81	009.031/1966	341,198.167	7,584,595.723	6.00	Auger
FZ-AG-82	009.031/1966	341,399.995	7,584,598.051	5.50	Auger
FZ-AG-83	009.031/1966	341,655.481	7,584,691.471	5.00	Auger
FZ-AG-84	009.031/1966	341,795.884	7,584,662.337	3.00	Auger
FZ-AG-85	009.031/1966	342,148.549	7,584,611.735	3.00	Auger
FZ-AG-86	009.031/1966	341,026.559	7,584,809.098	4.00	Auger
FZ-AG-87	009.031/1966	341,403.043	7,584,806.979	13.00	Auger
FZ-AG-88	009.031/1966	341,643.216	7,584,812.078	16.00	Auger
FZ-AG-90	009.031/1966	341,799.172	7,584,802.156	3.50	Auger
FZ-AG-92	009.031/1966	341,998.260	7,584,763.306	5.00	Auger
FZ-AG-93	009.031/1966	342,196.565	7,584,801.486	2.00	Auger
FZ-AG-94	009.031/1966	342,391.240	7,584,791.003	7.00	Auger
FZ-AG-95	009.031/1966	341,186.061	7,585,002.429	12.00	Auger
FZ-AG-96	009.031/1966	335,279.201	7,574,912.243	15.00	Auger
FZ-AG-97	009.031/1966	335,596.215	7,574,966.327	11.00	Auger
FZ-AG-98	009.031/1966	335,811.869	7,574,976.301	3.00	Auger
FZ-AG-99	009.031/1966	335,457.403	7,574,824.632	6.00	Auger
RA-AG-01	833.619/1996	335,750.545	7,574,797.232	6.00	Auger
RA-AG-02	833.619/1996	335,322.659	7,574,668.387	6.00	Auger
RA-AG-03	833.619/1996	335,601.047	7,574,677.059	6.00	Auger
RA-AG-04	833.619/1996	335,884.009	7,574,678.906	9.00	Auger
RA-AG-05	833.619/1996	335,736.356	7,574,566.072	6.00	Auger
RA-AG-06	833.619/1996	335,628.291	7,574,421.874	13.00	Auger

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RA-AG-07	833.619/1996	335,849.038	7,574,407.489	7.00	Auger
RA-AG-08	833.619/1996	335,442.810	7,574,275.941	5.00	Auger
RA-AG-10	833.619/1996	335,743.640	7,574,257.479	4.00	Auger
RA-AG-13	833.619/1996	336,023.289	7,574,260.796	5.00	Auger
RA-AG-14	833.619/1996	335,285.212	7,574,114.981	5.00	Auger
RA-AG-15	833.619/1996	335,593.565	7,574,098.473	8.00	Auger
RA-AG-16	833.619/1996	335,875.546	7,574,097.951	15.00	Auger
RA-AG-17	833.619/1996	335,472.568	7,573,985.003	3.00	Auger
RA-AG-18	833.619/1996	335,694.871	7,573,978.039	7.00	Auger
RA-AG-19	833.619/1996	336,001.914	7,573,988.580	6.00	Auger
RA-AG-20	833.619/1996	335,304.937	7,573,804.392	11.00	Auger
RA-AG-21	833.619/1996	335,617.718	7,573,835.282	13.00	Auger
RA-AG-22	833.619/1996	335,457.439	7,573,692.915	14.00	Auger
RA-AG-23	833.619/1996	335,320.799	7,573,562.064	4.00	Auger
RA-AG-24	833.619/1996	335,595.202	7,573,563.533	9.00	Auger
RA-AG-25	833.619/1996	335,530.160	7,573,420.770	23.00	Auger
RA-AG-26	833.619/1996	335,316.001	7,573,238.437	20.00	Auger
RA-AG-27	833.619/1996	335,587.226	7,573,263.272	16.00	Auger
RA-AG-28	833.619/1996	345,865.750	7,590,522.337	9.00	Auger
RA-AG-29	833.619/1996	345,578.240	7,590,244.185	7.00	Auger
RA-AG-30	833.619/1996	345,444.138	7,590,094.654	11.00	Auger
RA-AG-31	833.619/1996	345,284.375	7,589,947.673	12.00	Auger
CDP-DDH-001	007.737/1959	339,624.706	7,582,152.893	32.60	DDH
CDP-DDH-002	007.737/1959	340,062.933	7,581,867.776	70.67	DDH
CDP-DDH-003	007.737/1959	340,476.777	7,582,309.621	38.78	DDH
CDP-DDH-004	007.737/1959	340,104.015	7,582,251.819	85.83	DDH
CDP-DDH-005	007.737/1959	340,087.067	7,581,501.868	50.23	DDH
CDP-DDH-006	007.737/1959	339,769.043	7,581,370.053	28.67	DDH
CDP-DDH-007	007.737/1959	339,923.481	7,581,168.893	23.94	DDH
CDP-DDH-008	007.737/1959	339,738.618	7,581,211.032	35.24	DDH
CDP-DDH-009	007.737/1959	339,822.958	7,581,955.089	45.00	DDH
CDP-DDH-010	007.737/1959	339,296.272	7,581,953.484	29.05	DDH
FZ-DDH-001	009.031/1966	342,076.942	7,583,670.552	50.20	DDH
FZ-DDH-002	009.031/1966	342,229.859	7,584,021.733	34.85	DDH
FZ-DDH-003	009.031/1966	340,342.241	7,583,408.030	18.10	DDH
FZ-DDH-004	009.031/1966	339,984.468	7,582,744.809	66.05	DDH
FZ-DDH-005	009.031/1966	341,570.357	7,584,178.879	39.00	DDH
FZ-DDH-006	009.031/1966	340,673.143	7,584,366.984	65.58	DDH
CT-DDH-001	830.927/2016	340,819.194	7,584,833.494	57.50	DDH
CT-DDH-002	830.927/2016	340,814.566	7,584,724.425	46.54	DDH
CT-DDH-003	830.927/2016	340,503.200	7,584,702.657	87.85	DDH
CT-DDH-004	830.927/2016	340,110.887	7,584,707.502	46.88	DDH

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CJ-DDH-001	830.113/2006	340,213.188	7,585,954.333	56.86	DDH
CJ-DDH-002	830.113/2006	339,870.919	7,585,996.462	35.44	DDH
CDO-DDH-001	830.419/2019	327,002.622	7,577,485.450	23.47	DDH
CDO-DDH-002	830.419/2019	326,767.604	7,575,993.654	18.20	DDH
CDO-DDH-003	830.419/2019	326,528.845	7,576,523.482	27.10	DDH
CDO-DDH-004	830.419/2019	327,155.751	7,576,189.358	25.68	DDH
CS-DDH-001	833.560/1996	342,895.393	7,576,568.471	26.25	DDH
CS-DDH-002	833.560/1996	343,319.255	7,576,044.081	21.25	DDH
CS-DDH-003	833.560/1996	343,073.913	7,575,412.584	90.85	DDH
CS-DDH-004	833.560/1996	343,008.264	7,576,293.063	46.12	DDH
CS-DDH-005	833.560/1996	343,632.487	7,574,664.297	71.93	DDH
CS-DDH-006	833.560/1996	342,759.311	7,575,988.314	20.05	DDH
CS-DDH-007	833.560/1996	342,997.166	7,575,989.413	107.88	DDH
CS-DDH-008	833.560/1996	342,711.560	7,576,368.220	27.36	DDH
RA-DDH-001	833.619/1996	335,715.566	7,574,169.120	34.57	DDH
RA-DDH-002	833.619/1996	335,430.270	7,574,816.898	18.96	DDH
RA-DDH-003	833.619/1996	335,501.888	7,573,743.247	31.56	DDH
FZ-RC-02	009.031/1966	340,392.428	7,582,762.569	49.00	RC
FZ-RC-03	009.031/1966	340,260.247	7,583,111.821	55.00	RC
FZ-RC-04	009.031/1966	340,483.036	7,583,040.862	90.00	RC
FZ-RC-06	009.031/1966	340,175.111	7,583,514.636	45.00	RC
FZ-RC-07	009.031/1966	340,439.329	7,583,504.884	16.00	RC
FZ-RC-08	009.031/1966	340,941.310	7,583,492.500	55.00	RC
FZ-RC-09	009.031/1966	339,990.065	7,584,032.321	49.00	RC
FZ-RC-10	009.031/1966	340,506.613	7,583,896.671	37.00	RC
FZ-RC-11	009.031/1966	340,895.352	7,583,899.684	64.00	RC
FZ-RC-12	009.031/1966	341,343.329	7,583,934.874	25.00	RC
FZ-RC-13	009.031/1966	341,704.451	7,583,982.820	62.00	RC
FZ-RC-14	009.031/1966	342,067.991	7,584,004.491	49.00	RC
FZ-RC-16	009.031/1966	340,511.727	7,584,237.984	46.00	RC
FZ-RC-17	009.031/1966	340,952.665	7,584,175.971	42.00	RC
FZ-RC-18	009.031/1966	341,208.837	7,584,297.328	63.00	RC
FZ-RC-20	009.031/1966	342,064.469	7,584,356.059	30.00	RC
FZ-RC-22	009.031/1966	341,274.663	7,584,658.927	70.00	RC
FZ-RC-23	009.031/1966	341,660.714	7,584,682.840	34.00	RC
FZ-RC-24	009.031/1966	342,106.419	7,584,703.204	40.00	RC
CJ-RC-26	830.113/2006	339,770.255	7,585,102.800	43.00	RC
CJ-RC-27	830.113/2006	340,092.760	7,585,069.804	63.00	RC
FZ-RC-28	009.031/1966	341,192.515	7,585,085.295	40.00	RC
FZ-RC-29	009.031/1966	341,712.017	7,585,096.821	52.00	RC
FZ-RC-30	009.031/1966	342,067.280	7,585,067.432	30.00	RC
CJ-RC-32	830.113/2006	339,752.005	7,585,566.924	80.00	RC

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Drill ID	ANM Process No.	East (m)	North (m)	Final Depth (m)	DH Type
FZ-RC-34	009.031/1966	340,899.520	7,585,497.233	30.00	RC
FZ-RC-35	009.031/1966	341,469.587	7,585,511.996	22.00	RC
FZ-RC-36	009.031/1966	341,807.059	7,585,415.707	79.00	RC
FZ-RC-39	009.031/1966	340,904.066	7,585,892.409	60.00	RC
FZ-RC-43	009.031/1966	339,270.681	7,581,471.909	28.00	RC
FZ-RC-56	009.031/1966	340,926.826	7,583,693.814	43.00	RC
FZ-RC-57	009.031/1966	341,653.892	7,583,695.322	43.00	RC
FZ-RC-58	009.031/1966	341,384.159	7,583,656.558	25.00	RC
FZ-RC-59	009.031/1966	342,411.589	7,584,240.014	40.00	RC
FZ-RC-60	009.031/1966	342,437.688	7,583,691.882	34.00	RC
CS-RC-62	833.560/1996	342,931.672	7,575,727.642	62.00	RC
CS-RC-64	833.560/1996	342,726.059	7,576,531.731	30.00	RC
CS-RC-66	833.560/1996	343,393.034	7,575,854.752	30.00	RC

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Appendix B: JORC Code, 2012 Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample retrospectivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.*	• *Nature of Sampling: RC, Diamond and auger drilling methods were used for sampling. Auger drilling was performed using diametres of 4", 3.5", 2.5", and 2", and to a depth of up to 21 metres. In contrast, diamond core drilling was executed using HQ and HWL diametres and RC 4 3/3 inches, continuing until contact with fresh rock was achieved. These techniques were implemented to secure accurate and representative sampling while preserving the integrity of the collected cores and samples.* • *Method of Collection: Samples from auger and RC drilling, were retrieved directly from the auger and RC sampler and immediately preserved in identified and sealed plastic bags to prevent contamination. Diamond core drilling was employed until fresh rock was encountered, with cores housed in plastic trays, each marked to identify each stage of drilling advance and core recovery.* • *Sample careful: Initial inspections of samples were carried out in the field by the assigned geologist, followed by a secondary review upon their arrival at the storage facility, which included a thorough check of the drilling reports and a physical examination of the cores and auger samples. Detailed logging of all drill and auger holes was conducted, emphasising the collection of precise geological information and ensuring the integrity of each sample.* • *Sample Weight: The sample weights varied according to the method and core diametre, with auger drilling samples ranging from 4Kg to 12Kg, diamond core drilling samples from 2Kg to 6Kg and RC ranging from 10Kg to 22Kg.* • *Packaging & Labeling: Auger samples were placed in double plastic bags post-collection, sealed to prevent contamination, and labelled with 'pc', followed by a unique identification number for traceability. Diamond drilling cores were stored in dedicated plastic boxes, labelled clearly with information including depth, sample interval, and specifics of the drilling advances and recovery.*
Drilling techniques	• *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diametre, 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).*	• *Type of Drill: The exploration program employed three primary drilling techniques: auger, RC and diamond core drilling. Auger drilling, using diametres of 4", 3.5", 2.5", and 2", targeted surface and near-surface samples down to 21 metres. Diamond and RC drilling, was used for continuous core samples down to the fresh rock.* • *Drill Method: Auger drilling utilised a bucket drill bit, ideal for shallow depths and quick surface geological investigations. Diamond core drilling was implemented to obtain continuous rock core and providing an uninterrupted record of rock formations.* • *Drill Rig: Lightweight, mechanised rigs were used for auger drilling, ensuring efficient penetration to the desired depths. More robust rigs capable of reaching fresh rock were used for diamond core drilling, ensuring high-quality core recovery.* • *Drill Orientation: Drilling was exclusively vertical, with no orientation monitoring due to the straightforward nature of the approach, deemed most suitable for the geological targets.*
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures are 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.*	• *Recovery Rates: The project achieved an excellent recovery, with 99% of samples exhibiting above 80% recovery. Each drilling session was documented, assuring thorough record-keeping.* • *Recovery rates were calculated by comparing actual core or chip lengths with expected run lengths, and all data was logged.* • *Consistent drilling protocols, immediate secure packaging, and minimal handling were standard practices to optimise sample integrity and recovery.*

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		• *No significant bias was detected between sample recovery and grade, suggesting reliable assay data with minimal material loss or gain across varying grain sizes.*
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• *Geological and Geotechnical Detail: Both core and auger samples from the boreholes were geologically and geotechnically logged in detailed accordance with the NBR 9603 standards. This level of detail is sufficient to support appropriate Mineral Resource estimation, mining studies, and metallurgical studies.* • *Nature of Logging: Logging is both qualitative and quantitative in nature. Descriptive attributes such as colour and consistency provide qualitative insights, while parameters like weight, diametre, and net advance offer quantitative data. Additionally, core samples were systematically photographed, ensuring a visual record of the core was available to complement the logs.* • *Colour: Recording the observed colour of the sample.* • *Extent of Logging: 100% of the boreholes, encompassing their entire length, were logged. This includes all relevant intersections, ensuring that no significant geological features or sample attributes are omitted.*

Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.*
	• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*
	• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*
	• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*
	• *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.*
	• *Whether sample sizes are appropriate to the grain size of the material being sampled.*
		• *Sample Preparation Facility: Auger samples were processed at the SGS-GEOSOL laboratory, while RC and diamond drill hole (DDH) samples were handled by ALS-Laboratories. Both facilities are located in Vespasiano-MG, Brazil.*
		• *General Sample Preparation: Samples underwent rigorous physical preparation following standard industry practices at the SGS-GEOSOL and ALS laboratories. This encompassed:*
		  • *Homogenisation: Comprehensive mixing was performed on the samples to ensure uniform particle distribution.*
		  • *Separation: From each sample, an aliquot of 150g was reserved for ammonium sulfate leaching tests.*
		  • *Drying: All samples were dried at a controlled temperature of up to 65°C.*
		  • *Sub-sampling: Utilising a Jones splitter, sub-samples of approximately 250g were extracted.*
		  • *Pulverisation: The 250g sub-sample was pulverised using a steel mill until 95% of the sample particles achieved a fineness below 150 mesh.*

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, spectrometres, handheld XRF instruments, etc, the parametres 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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	*Laboratory: All assay tests for the auger samples were conducted by the SGS-GEOSOL laboratory in Brazil and all the RC and DDH samples were conducted by the ALS laboratory in Lima - Peru.* *Assay Techniques:* *a. ICP MS _ Determination by Fusion with Lithium Metaborate - ICP MS for Major Oxides. Some elements and their detection limits include:* Al_2O_3 0,01 - 75 (%) Ba 10 – 100,000 (ppm) Fe_2O_3 0,01 - 75 (%) K_2O 0,01 - 25 (%) Na_2O 0,01 - 30 (%) P_2O_5 0,01 - 25 (%) TiO_2 0,01 - 25 (%) V 5 – 10,000 (ppm) CaO 0,01 - 60 (%) Cr_2O_3 0,01 - 10 (%) MgO 0,01 - 30 (%) MnO 0,01 - 10 (%) SiO_2 0,01 - 90 (%) Sr 10 – 100,000 (ppm) Zn 5 – 10,000 (ppm) Zr 10 – 100,000 (ppm) *b. PHY01E: Loss on Ignition (LOI) was determined by calcining the sample at 1,000°C.* *c. IMS95R: Lithium Metaborate Fusion followed by Inductively Coupled Plasma Mass Spectrometry (ICP MS) was employed to determine*

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		concentrations of Rare Earth elements. Detection limits for some elements include: Ce 0.1 – 10,000 (ppm) Dy 0.05 – 1,000 (ppm) Gd 0.05 – 1,000 (ppm) Ho 0.05 – 1,000 (ppm) Nd 0.1 – 10,000 (ppm) Pr 0.05 – 1,000 (ppm) Th 0.1 – 10,000 (ppm) Tm 0.05 – 1,000 (ppm) Yb 0.1 – 1,000 (ppm) Eu 0.05 – 1,000 (ppm) Er 0.05 – 1,000 (ppm) Lu 0.05 – 1,000 (ppm) La 0.1 – 10,000 (ppm) Tb 0.05 – 1,000 (ppm) Sm 0.1 – 1,000 (ppm) Y 0.05 – 1,0000 (ppm) U 0.05 – 10,000 (ppm) *Quality Control: The laboratory follows strict quality control procedures, ensuring the accuracy and precision of the assay data. Internally, the laboratory uses duplicate assays, standards, and blanks to maintain quality.* *Comments on Assay Data and Tests: The assay techniques employed are well-suited for the elements and minerals of interest. The methods utilised, combined with the reputable quality control practices of the SGS-GEOSOL and ALS laboratories, ensure the reliability of the assay data.*
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, and data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• *Significant intersections have not been independently verified by alternative company personnel yet.* • *Auger Twinned holes were used to Quality Control.* • *Primary data collection follows a structured protocol, with standardised data entry procedures in place. Data verification procedures ensure that any anomalies or discrepancies are identified and rectified. All data is stored both in physical forms, such as hard copies and electronically, in secure databases with regular backups.* • *The only adjustments to the data were made- transforming the elemental values into the oxide values. The conversion factors used are included in the table below.* Element Oxide Factor Ce CeO_2 1.2284 La La_2O_3 1.1728 Sm Sm_2O_3 1.1596 Nd Nd_2O_3 1.1664 Pr Pr_6O_{11} 1.2082 Dy Dy_2O_3 1.1477 Eu Eu_2O_3 1.1579 Y Y_2O_3 1.2699 Tb Tb_4O_7 1.1762 Gd Gd_2O_3 1.1526 Ho Ho_2O_3 1.1455 Er Er_2O_3 1.1435 Tm Tm_2O_3 1.1421 Yb Yb_2O_3 1.1387 Lu Lu_2O_3 1.1371 • *The TREO (Total Rare Earth Oxides) was determined by the sum of the following oxides: CeO_2, Dy_2O_3, Er_2O_3, Eu_2O_3, Gd_2O_3, Ho_2O_3, La_2O_3, Lu_2O_3, Nd_2O_3, Pr_6O_{11}, Sm_2O_3, Tb_4O_7, Tm_2O_3, Y_2O_3, Yb_2O_3. For the MREO (Magnetic Rare Earth Oxides), the following oxides were considered: Dy_2O_3, Gd_2O_3, Ho_2O_3, Nd_2O_3, Pr_6O1_1, Sm_2O_3, Tb_4O_7.*

Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• *The positioning of the drill has been achieved with high precision using a GPS RTK (Real-Time Kinematic) system. This sophisticated GPS provides real-time corrections, ensuring a level of accuracy within centimetres.* • *The grid system employed for the project is based on the SIRGAS 2000 UTM coordinate system. This universal grid system facilitates consistent data interpretation and integration with other geospatial datasets.* • *To ensure the quality and reliability of the topographic location data, benchmark and control points were established within the project area.*
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution are sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• *The auger drilling is conducted on a regular grid with a spacing of 200 x 200 metres. This grid spacing is designed to provide a detailed exploration framework suitable for the area of interest, and aims to assist in the definition of our initial inferred resource, offering a foundational understanding of the geological and grade continuity in the targeted zone. The data spacing and distribution for the auger drilling are considered appropriate for the intended purpose of establishing an inferred mineral resource.* • *Diamond drilling, on the other hand, is not being conducted on a predefined exploration grid. Instead, exploratory boreholes are being drilled to provide insights into specific areas of interest and potential mineralisation zones. The exploratory nature of the diamond drilling further supports the overall geological understanding, although its data spacing is not predefined.* • *No sample compositing has been applied in the reporting of the exploration results. Each sample is treated and reported individually to maintain the highest level of detail and accuracy.*
Orientation of data about 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 crucial mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• *All drill holes were vertically oriented, which is deemed appropriate given the nature of the deposit. The deposit in question is a supergene deposit with a much larger areal extent than the thickness of the mineralised body. This type of deposit tends to be horizontally extensive with relatively consistent thickness.* • *Given the vast area extent of the deposit and its relatively consistent thickness, vertical drilling is best suited to achieve unbiased sampling. This orientation allows for consistent intersecting of the horizontal mineralised zones and provides a representative view of the overall geology and mineralisation.* • *There is no indication that the orientation of the drilling has introduced any sampling bias about the crucial mineralised structures. The drilling orientation aligns well with the known geology of the deposit, ensuring accurate representation and unbiased sampling of the mineralised zones. Any potential bias due to drilling orientation is considered negligible in this context.*
Sample security	• *The measures taken to ensure sample security.*	• *All samples were collected by field personnel and carefully packed in labelled plastic bags. Once packaged, the samples were transported directly to the SGS-GEOSOL or ALS laboratories in Brazil. The samples were secured during transportation to ensure no tampering, contamination, or loss. Chain of custody was maintained from the field to the laboratory, with proper documentation accompanying each batch of samples to ensure transparency and traceability of the entire sampling process. Using a reputable laboratory further reinforces the sample security and integrity of the assay results.*
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• *As of the current reporting date, no external audits or reviews have been conducted on the sampling techniques, assay data, or results obtained from this work. However, internal processes and checks were carried out consistently to ensure the quality and reliability of the data.*

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Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section).

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Mineral tenement and land tenure status</td><td>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.</td><td>All samples were acquired from tenements owned by Viridis Mining and Minerals Ltd, following an agreement with the Varginha Parties. Specifically:
<table>
<tr><th>Prospect</th><th>#Tenement</th><th>Tenement total size (m²)</th></tr>
<tr><td rowspan="4">Lake</td><td>7737/1959</td><td>1,827,100</td></tr>
<tr><td>9031/1966</td><td>4,466,600</td></tr>
<tr><td>830927/2016</td><td>703,700</td></tr>
<tr><td>830113/2006</td><td>1,373,600</td></tr>
<tr><td rowspan="2">Capão da Onça</td><td>830419/2019</td><td>4,459,800</td></tr>
<tr><td>833610/1996</td><td>260,400</td></tr>
<tr><td rowspan="3">Cupim South</td><td>833560/1996</td><td>1,542,600</td></tr>
<tr><td>832759/2023</td><td>43,400</td></tr>
<tr><td>830518/2023</td><td>168,700</td></tr>
<tr><td>Ribeirão das Antas</td><td>833619/1996</td><td>1,311,500</td></tr>
</table></td></tr>
<tr><td>Exploration done by other parties</td><td>Acknowledgment and appraisal of exploration by other parties.</td><td>Historical exploration in the area comprises notable endeavours by various entities:
The Colossus project is geologically intertwined with the Caldeira Project, sharing the same geological context.
Varginha Mineração previously undertook regional drilling exercises, utilising a powered auger drill rig to produce open holes.
This historical data provides essential context and complements current exploration efforts in understanding the region's geological potential.</td></tr>
<tr><td>Geology</td><td>Deposit type, geological setting and style of mineralisation.</td><td>The geology of the region where the deposit is located can be summarised as follows:
Deposit Nature: The deposit under study is recognised as an Ionic Adsorption Clay Rare Earth Element (REE) deposit. Its spatial positioning is within and adjacent to the renowned Poços De Caldas Alkaline massif complex.
Poços de Caldas Complex: This geological entity stands as one of the most extensive alkaline massif intrusions globally, enveloping an area of roughly 800 km². It stretches across the Brazilian states of São Paulo and Minas Gerais. From a macro perspective, it portrays a near-circular structure with an approximate diametre of 30 km. This formation has a semblance of a collapsed caldera. Delving deeper, the dominant rocks within the alkaline complex encompass phonolite, nepheline syenites, sodalite syenites, and many volcanic rocks. This diverse geological setting has played a crucial role in dictating mineral occurrences and potential mining prospects.
REE Mineralisation: The specific REE mineralisation highlighted in this disclosure leans towards the Ionic Clay type. Evidence pointing to this is mainly derived from its occurrence within the saprolite/clay zone of the weathering profile of the Alkaline granite basement. The enriched MREO (Medium Rare Earth Oxides) composition also attests to this classification.
Relevant Additional Information: The Ionic Adsorption Clay Rare Earth Element deposits, particularly in regions like Poços de Caldas, have recently gained significant attention due to the global demand surge for rare earth elements. These elements, especially the heavy rare earths, have vital applications in modern technologies such as renewable energy systems, electronics, and defence apparatus. The</td></tr>
</table>

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Criteria	JORC Code explanation	Commentary
		ability of these deposits to offer relatively environmentally friendly mining prospects compared to traditional hard rock REE mines further enhances their appeal. • *Given the strategic importance of REEs in modern industries, a thorough understanding and exploration of such geologies becomes paramount. The unique geological setting of the Poços de Caldas complex presents both opportunities and challenges, making further detailed study and research essential for sustainable exploitation.*
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 Drilling:* *Total number of holes: 312* *Total meter drilled: 2,815.18 m* *Average depth: 9 m* • *Diamond Drilling:* *Total number of holes: 37* *Total meter drilled: 1,636.09 m* *Average depth: 44.2 m* • *RC Drilling:* *Total number of holes: 38* *Total meter drilled: 1,755.0 m* *Average depth: 46.18 m*
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• *Data collected for this project includes surface geochemical analyses, geological mapping, and auger and diamond drilling results. Data were compiled without selective exclusion. All analytical methods and aggregation were done according to industry best practices, as detailed in previous discussions.*
Relationship between mineralisation widths and intercept 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 (e.g. 'down hole length, true width not known').*	• *Given the nature of the deposit, which is a supergene deposit with a much larger areal extent than its thickness, the vertical drilling orientation is suitable for accurately representing the mineralised zones.* • *All drill holes are vertical and are appropriate for the deposit type, ensuring unbiased sampling of the mineralisation.* • *Due to the geometry of the mineralisation and the vertical orientation of the drill holes, the down hole lengths can be considered close representations of the true widths of the mineralised zones. However, for absolute precision, further studies would be required.* • *In cases where there might be a discrepancy between downhole lengths and true widths, it should be noted that "down hole length, true width not known".*
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	*The data presented in this report offers a better understanding of the information. Various diagrams and supplementary information included in the document, enhancing the clarity and accessibility of the geological findings and exploration results.*

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Criteria	JORC Code explanation	Commentary
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.*	• *The data presented in this report strives to provide a transparent and holistic view of the exploration activities and findings. All the information, ranging from sampling techniques, geological context, prior exploration work, and assay results, has been reported comprehensively. Cross-references to previous announcements have been provided where relevant to ensure continuity and clarity. Including diagrams, such as geological maps and tables, supports a more in-depth understanding of the data. It's noteworthy to mention that while positive results have been highlighted, the nature of the samples, particularly their origin from either saprolitic clays or bauxite, has been distinctly reported to ensure a balanced view. In essence, this report is a faithful representation of the exploration activities and findings without any undue bias or omission.*
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.*	• *There is no additional substantive exploration data to report currently.*
Further work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• *Future works include carrying on the auger, diamond, and RC drilling campaign in 2024, geological mapping, geochemical and metallurgical tests, and mineralogical characterisation.*

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