

## Thick Zones of Kaolin Intersected in Maiden Drill Program at Poochera

ASX Release: 31 October 2022

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### Highlights

- ▶ Stage 1 – 1,686m maiden drill program completed at the Poochera Project, targeting kaolin-halloysite in location with reported white clays in historical exploration drillholes.
- ▶ Drilling to date has identified thick zones of kaolin >30m in multiple drill holes in the newly discovered Philips Kaolin Deposit, north from Karcultaby in the central part of the tenement
- ▶ To date 13 initial samples have been shipped to the James Hutton Institute in Scotland for kaolin determination, and to test for the presence of Halloysite mineralisation
- ▶ The Company has begun planning for Stage 2 drilling at Poochera which is expected to comprise of 2000 metres early in 2023.
- ▶ Aircore Drilling expected to commence at the Smoky Halloysite Project in NSW early in 2023.

Viridis Mining and Minerals Limited (**ASX: VMM**) (“**Viridis**” or the “**Company**”) is pleased to provide an update to the market on the maiden drilling program at the Poochera Project located on the Eyre Peninsula in South Australia (see *ASX announcement 28 September 2022*).

The Poochera Project comprises one 100% owned exploration licence (EL6733), which covers an area of 329km<sup>2</sup> in the Eyre Peninsula of South Australia.

Viridis has completed a 55-hole drill program for a total of 1686m, with a final average hole depth of 30.6m (see *ASX announcement 28 September 2022*). After the observation that kaolin was present in the first drillholes, the drilling program adjusted to a 400 metre spaced grid to confirm and determine the extent of the kaolin mineralisation. Drillhole locations were adjusted to minimise disturbance to cropping and any native vegetation.

All the recovered entire one metre samples that appear to contain kaolin will be transported to a secure environment in Adelaide. Then systematic push tube sampling will produce composite samples to be sent to Bureau Veritas (Adelaide) and other specialised laboratories. Viridis plans to systematically assay the selected push tube samples for the presence of halloysite, which has a nanostructure that could allow its application as an efficient catalyst in the petrochemicals industry, amongst other high value applications. Halloysite cannot be identified by standard XRD from kaolin alone and requires additional advanced techniques.



Figure 1: Aircore drilling hole VM22-015 at the Poochera Project

All one metre drill samples from the current drilling are being systemically analysed on-site by pXRF. Any samples which show anomalous REE concentrations will be sent to a laboratory for further comprehensive analyses.

All 55 drillholes were progressively sealed and completely rehabilitated to their original condition during the program. Viridis is pleased to report there were no environmental or safety issues during the program wishes to thank the landholders for their support and assistance.

### Poochera Stage 2 Drilling

Following encouraging results, in-fill drillholes at 200 and 100 metre spacing will be completed around selected existing drillholes. There are also additional target areas that will be tested. This drilling is expected to total 2,000 metres and the timing will be dependent on access, drill rig availability and current results.

### Smoky Project Drilling

Aircore hammer drilling at the Smoky Halloysite Project is planned to commence in the first quarter of 2023, subject to approval of the Review of Environmental Factors (REF) by the Department of Regional NSW. This deposit contains known halloysite and meta-kaolin and samples will be collected and tested to determine their economic potential.

Commenting on the sampling program results, VMM's Executive Chairman Mr Agha Shahzad Pervez said: *"We are delighted to have completed our first drilling campaign at the Poochera Project. The presence of thick, shallow intersections of kaolin is extremely positive, and marks the first time that kaolin mineralisation has been identified over the project area. We look forward to receiving the formal assay results in due course and updating the market on the Stage 2 drill program at Poochera"*





Figure 2 Chip tray samples for drillhole VM22-022 within EL6733. Total depth was 60 metres. Each rectangle contains representative material for each one metre in depth.

This announcement has been authorised for release by the Board.

### 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 Canada and Australia. The Company's Projects comprise of:

- 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.

## Competent Persons Statements

The information in this document that relates to the Smoky and Poochera projects has been prepared with information compiled by Steven Cooper, FAusIMM. Mr Steven Cooper is the principle of Orogenic Exploration Pty Ltd appointed by the Company. Mr Steven Cooper has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Steven Cooper consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

## Forward Looking Statements

This announcement contains 'forward-looking information' that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to 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 actual future results or performance may be materially different. 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 be materially different from those expressed or implied by such forward looking information.