ASX ANNOUNCEMENT

22 May 2023

VIKING COMMENCES METALLURGICAL TESTWORK AT CANEGRASS

- **Viking Mines has engaged ALS Metallurgy to undertake preliminary sighter metallurgical testwork on recent drilling samples obtained from the Canegrass Battery Minerals Project.**
- **36 samples have been submitted.**
- **Two zones from hole VCRC0006 being evaluated.[1]**
- **19m at 0.61% V_2O_5 from 52m, including**
    - **6m at 0.88% from 65m.**
    - **17m at 0.98% V_2O_5 from 89m, including**
    - **12m at 1.06% from 91m**
- **Testwork objectives are to determine the recovery of Vanadium into a magnetic concentrate.**
- **Preliminary sighter testwork results will be used to develop a more comprehensive testwork programme on samples to be collected as part of the ~5,500m drill programme commencing late May.**

Viking Mines Limited (ASX: VKA) ("**Viking**" or "**the Company**") is pleased to provide an update on the ongoing progress at the Company's flagship Canegrass Battery Minerals Project ("**the Project**" or "**Canegrass**"), located in the Murchison Region of Western Australia.

Commenting on the commencement of metallurgical testwork, Viking Mines Managing Director & CEO Julian Woodcock said:

"We are taking another step forward to rapidly advance the Canegrass Project and develop an understanding of the mineralisation by commissioning this preliminary sighter metallurgical testwork.

"The thick high-grade intercepts received in hole VCRC0006[1], which returned results as high as 12m at 1.06% V_2O_5, has presented an opportunity to obtain some early information on the metallurgical characteristics which will add significant value to the Project.

"The results will be used to develop a more comprehensive testwork programme using samples that will be collected from our imminent ~5,500m drill programme.

"This is the logical next step for the Project, and I am looking forward to seeing the results of the testwork. Given the amount of massive magnetite seen in the drilling, I am optimistic that we will see good recoveries into the magnetic concentrate.

"Viking are rapidly advancing this high-value Project, and with these results we will be able to determine the best pathway to extract value for the benefit of shareholders."

[1] ASX Announcement Viking Mines (ASX:VKA) 18 April 2023 – Viking Drilling Hits 12m Of High-Grade Vanadium At 1.06%V_2O_5

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Metallurgical Testwork Programme

ALS Metallurgy have been engaged to conduct preliminary sighter testwork on 36 samples collected from hole VCRC0006, which was completed as part of Vikings March initial drill programme.

36 one metre samples were selected from the two intercepts within hole VCRC0006 above a 0.5% V_2O_5 cut-off (Figure 1).

Zones of internal waste below a 0.5% V_2O_5 cut-off have been included to determine how the lower grade mineralisation responds to standard magnetic recovery. This will provide information which can be incorporated in future resource and reserve estimates for the purposes of mining dilution calculations.

Samples will be ground to a standard a minimum P80 -75 micron size and processed via a Davis Tube Wash (DTW) to produce a magnetic concentrate. The magnetic concentrate will then be analysed to determine the grade and compared with the feed (head) grade to determine the recovery of Vanadium into the concentrate.

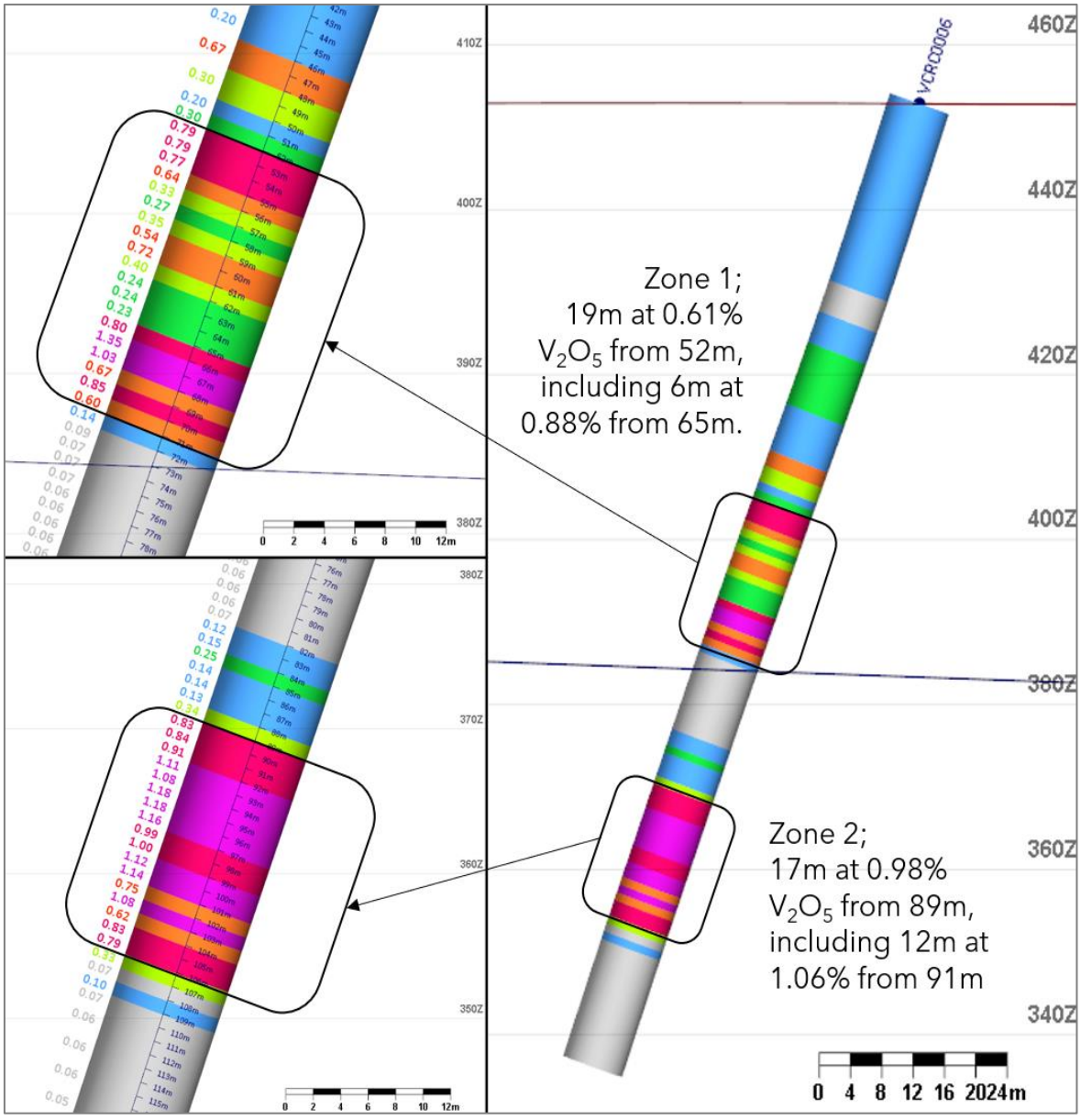

Figure 1; Cross section through hole VCRC0006[1] showing the zones selected for metallurgical testwork. Individual 1m samples within the zones highlighted are to undergo Davis Tube Recovery testwork to produce a magnetic concentrate.

NEXT STEPS

The preliminary metallurgical programme is running in parallel to the major drill programme commencing late May. Results from the metallurgical programme are expected in July and will coincide with the first results from the drilling programme. The following key steps are underway to advance the Project:

- Complete geophysical processing and magnetic inversion modelling to target magnetite horizons.
- Update geology model with drilling data and ground magnetics geophysical survey information.
- Complete JORC exploration target assessment.
- Commence and complete ~5,500m drill programme.
- Obtain results from the metallurgical programme and drilling programme.
- Plan a comprehensive follow up metallurgical programme.

END

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

Julian Woodcock
Managing Director and CEO
Viking Mines Limited

For further information, please contact:
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Competent Persons Statement – Exploration Results
Information in this release that relates to Exploration Results is based on information compiled by Mr Julian Woodcock, who is a Member and of the Australian Institute of Mining and Metallurgy (MAusIMM(CP) – 305446). Mr Woodcock is a full-time employee of Viking Mines Ltd. Mr Woodcock 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 Woodcock consents to the disclosure of the information in this report in the form and context in which it appears.

Competent Persons Statement – Mineral Resources
The information in this report that relates to Mineral Resources is based on, and fairly reflects, information compiled by Mr Aaron Meakin, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Meakin is a consultant to Flinders Mines Ltd and Viking Mines Ltd, employed by CSA Global Pty Ltd, independent mining industry consultants. Mr Meakin has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). The Company is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcement on 30 November 2022.

CANEGRASS BATTERY MINERALS PROJECT

The Canegrass Battery Minerals Project is located in the Murchison region, 620km north-east of Perth, Western Australia. It is accessed via sealed roads from the nearby township of Mt Magnet to within 22km of the existing Resources. The Project benefits from a large undeveloped Inferred Vanadium Resource hosted in vanadiferous titanomagnetite (VTM) Mineralisation as part of the Windimurra Layered Igneous Complex.

The Project benefits from ~95km^2 of exploration tenements with very limited follow up exploration targeting the growth potential of the vanadium pentoxide (V_2O_5) Resources in the +10 years since the Resource was first calculated. Multiple drill ready targets are present which have the potential to significantly add to the already large Resource base, with high grade intercepts presenting an opportunity to substantially increase the average grade.

JORC (2012) MINERAL RESOURCE

The Canegrass Battery Minerals Resource has been calculated across two separate areas called the Fold Nose and Kinks deposits, each with eight and four separate mineralised domains modelled respectively. The Mineral Resource has subsequently been reported above a cut-off grade of 0.5% V_2O_5 and above the 210 RL (equivalent to a maximum depth of ~250m) (refer to ASX Announcement on 30 November 2022).

Canegrass Project Vanadium Mineral Resource estimate, 0.5% V2O5 cut-off grade, >210m RL (due to the effects of rounding, the total may not represent the sum of all components).

Deposit	JORC Classification	Tonnage (Mt)	V_2O_5 %	Fe %	TiO_2 %	Al_2O_3 %	P %	SiO_2 %	LOI %
Fold Nose	Inferred	59	0.66	30.5	6.5	11.9	0.006	22.9	2.9
Kinks	Inferred	20	0.57	27.4	5.5	13.0	0.009	25.9	3.1
TOTAL		**79**	**0.64**	**29.7**	**6.0**	**12.2**	**0.007**	**23.6**	**3.0**

VIKING MINES FARM-IN AGREEMENT

Viking, via its wholly owned subsidiary, Viking Critical Minerals Pty Ltd, commenced with a Farm-In arrangement with Flinders Mines Ltd (ASX:FMS) on 28 November 2022 to acquire an equity interest in the Canegrass Battery Minerals Project. Through the terms of the Farm-In, Viking can acquire up to 99% of the Project through completion of 4 stages via a combination of exploration expenditure of $4M and staged payments totalling $1.25M over a maximum period of 54 months. If Viking complete the Farm-In to 99% equity interest, Flinders may offer to sell to Viking the remaining 1% of the Project for future production and milestone related payments totalling $850,000. If Flinders do not offer to sell within a prescribed timeframe their right lapses, they must offer Viking the right (but not the obligation) to buy the remaining 1% for the same terms. The Project has a legacy 2% Net Smelter Royalty over the project from when Flinders Mines acquired it from Maximus Resources in 2009.

VANADIUM REDOX FLOW BATTERIES – GREEN ENERGY FUTURE

Viking Mines recognise the significant importance of Vanadium in decarbonisation through the growth of the Vanadium Redox Flow Battery ("**VRFB's**") sector.

VRFB's are a developing market as an alternate solution to lithium-ion ("**Li-ion**") in specific large energy storage applications. Guidehouse Insights Market Intelligence White Paper[i] published in 2Q 2022 forecasts the VRFB sector to grow >900% by 2031 through the installation of large, fixed storage facilities (Figure 2).

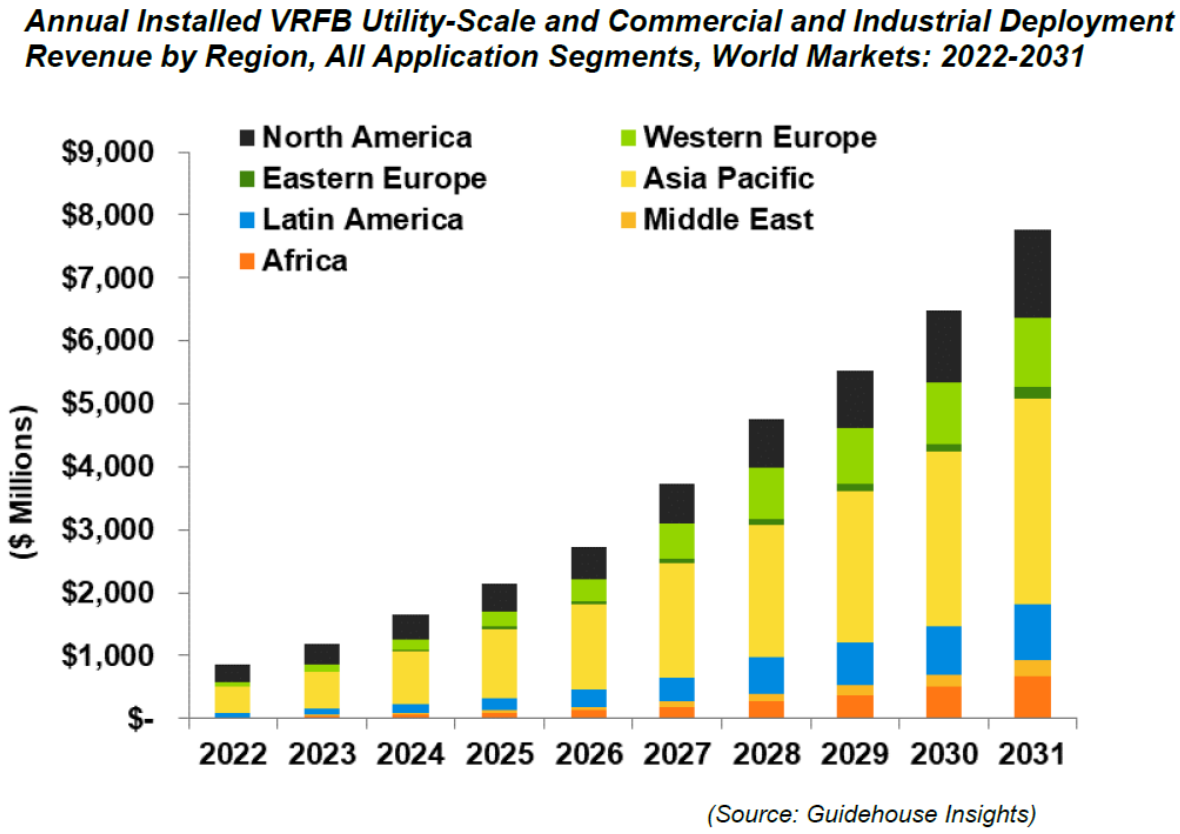

Figure 2; Forecast growth of the VRFB Sector through to 2031 (source – Guidehouse Insights[i])

The reason for this forecast growth is that VRFB's have unique qualities and advantages over Li-ion in the large energy storage sector to complement renewable energy sources to store the energy produced. They are durable, maintain a long lifespan with near unlimited charge/discharge cycles, have low operating costs, safe operation (no fire risk) and have a low environmental impact in both manufacturing and recycling. The Vanadium electrolyte used in these batteries is fully recyclable at the end of the battery's life.

Importantly, and unlike Li-ion, the battery storage capacity is only limited by the size of the electrolyte storage tanks. This means that with a VRFB installation, increasing energy storage capacity is only a matter of adding in additional electrolyte (via the installation of additional electrolyte storage tanks) without needing to expand the core system components. Increasing the energy storage directly reduces the levelized cost per kWh over the installation's lifetime. This is not an option with Li-ion batteries.

It is for these reasons that VRFB's are an ideal fit for many storage applications requiring longer duration discharge and more than 20 years of operation with minimal maintenance.

i) Guidehouse Insights White Paper Vanadium redox Flow Batteries Identifying Market Opportunities and Enablers Published 2Q 2022 https://vanitec.org/images/uploads/Guidehouse_Insights-Vanadium_Redox_Flow_Batteries.pdf