Kingsland starts extensive new exploration program to unlock substantial potential of Lake Johnston Lithium Project in WA

Extensive sampling program aimed at extending the established high-grade anomalies in this well-recognised lithium belt; Previous sampling has highlighted potential for a hard rock lithium source

Figure 1: Traversing Lake Johnston project site in all-terrain vehicle

Kingsland Minerals Ltd (Kingsland, ASX:KNG) is pleased to announce the start of a major soil sampling program to extend the high-grade lithium anomalies at its Lake Johnston lithium project[1].

The project hosts greenstones which are interpreted to be part of the nearby Lake Johnston Greenstone Belt, a proven source of hard rock lithium and nickel mineralisation.

The current program will cover most of the 890 km² of the Lake Johnston project. A grid of 200m EW and 1,000m NS will cover most of the project illustrated in Figure 2.

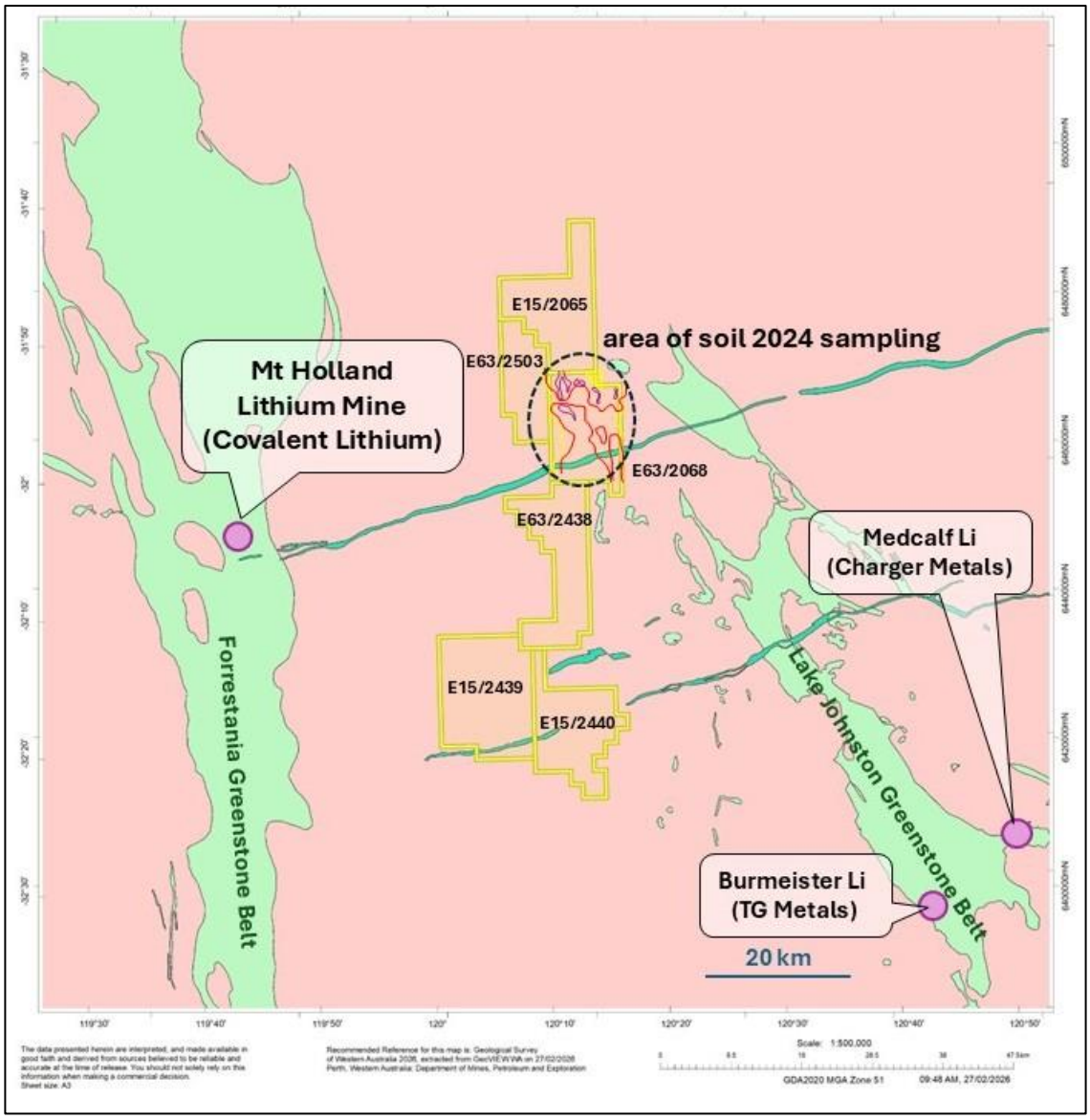

Figure 2: Kingsland Lake Johnston Lithium Project showing 2024 soil sampling area

Previous soil sampling has delineated significant lithium anomalies (Figure 3).[1] These anomalies suggest the potential for a hard rock source of the lithium. Historic drilling conducted in 2008 targeting nickel mineralisation intersected pegmatite dykes but lithium and associated elements were not assayed at the time.[2]

[1] refer to ASX announcements 'Large High Grade Lithium Soil Anomaly at Lake Johnston' released on 21 February 2024 and 'High Grade Lithium Anomaly at Lake Johnston' released on 3 April 2024

[2] refer to ASX announcement 'Lake Johnston Lithium Project Update' released on 11 January 2024

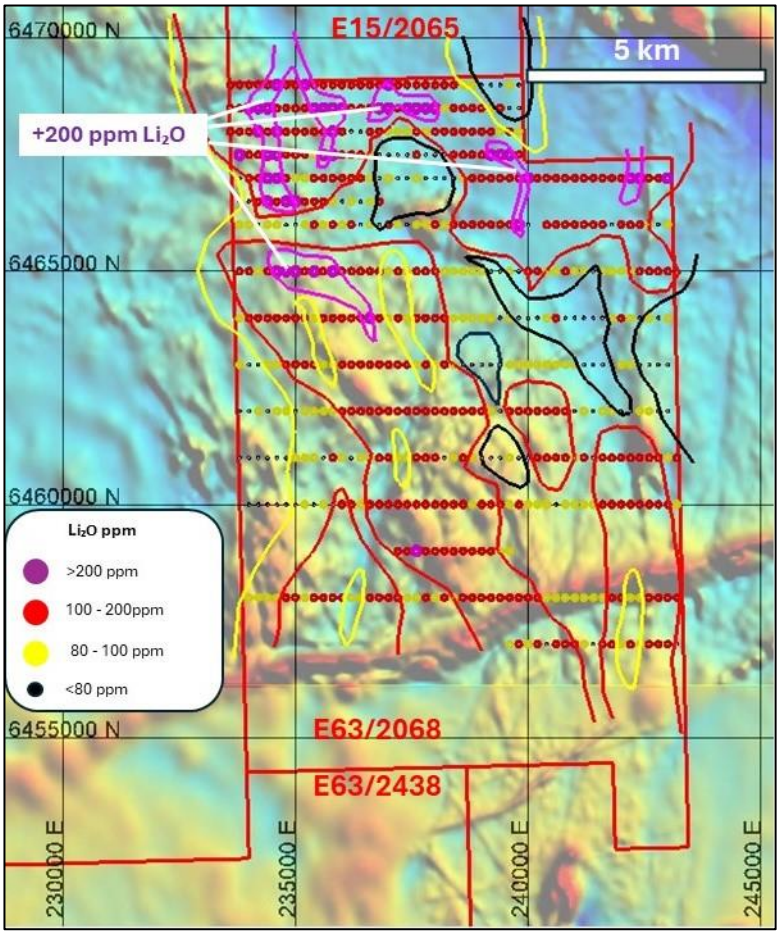

Figure 3: Completed soil sampling program on E68/2068 (overlying total magnetic intensity GSWA 1:250,000)

A total of about 3,000 samples will be taken on the 1,000m X 200m grid. Samples are taken from the sieved -80 mesh (0.18mm) fraction collected between 5-30cm below surface. Assaying will be conducted by Labwest of Perth with samples analysed using the Ultrafine method. A suite of 65 elements will be analysed. Figure 5 shows a technician sieving and bagging a sample.

Figure 4 shows the magnetics from the GSWA website indicating structural complexity within the project area. It is known from historic drilling that magnetic highs in E63/2068 are related to mafic/ultramafic greenstone lithologies.

The results of this program will be used to plan future drilling programs aimed at discovering hard rock sources of the lithium anomalism.

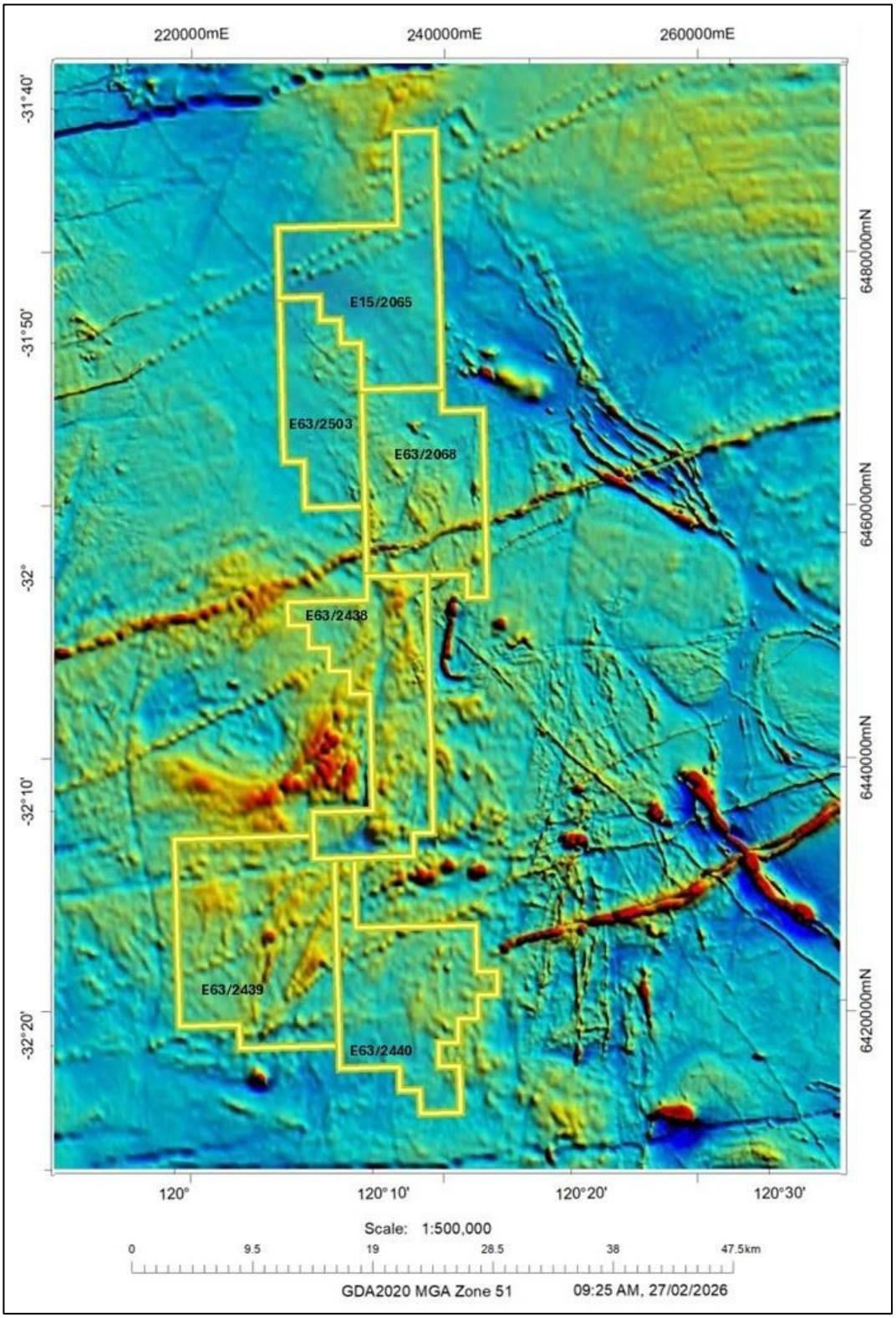

Figure 4: Regional magnetics over project area (source: GSWA Geoview)

Figure 5: Sieving a soil sample to -80 mesh (0.18mm)

The information in this report that relates to Exploration Results is based on information compiled by Richard Maddocks, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy. Richard Maddocks has sufficient experience that 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'. Richard Maddocks consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Richard Maddocks is a full time employee of Kingsland Minerals Ltd and holds securities in the company.

Information regarding previous exploration at the Lake Johnston Project is extracted from the reports 'Lake Johnston Lithium Project Update 'created on 11 January 2024, 'Large high grade lithium soil anomaly at Lake Johnston' created on 21 February 2024 and 'High grade lithium anomaly at Lake Johnston' created on 3 April 2024. These reports are available to view on www.kingslandminerals.com.au or on the ASX website www.asx.com.au under ticker code KNG. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements 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.

THIS ANNOUNCEMENT HAS BEEN AUTHORISED FOR RELEASE ON THE ASX BY THE COMPANY'S BOARD OF DIRECTORS

About Kingsland Minerals Ltd

Kingsland Minerals Ltd is an exploration company with assets in the Northern Territory and Western Australia. Kingsland's focus is exploring and developing the Leliyn Graphite Project in the Northern Territory. Leliyn is one of Australia's most significant graphite deposits with an Inferred Mineral Resource of 194.6mt @ 7.3% Total Graphitic Carbon containing 14.2mt of graphite. A recently completed scoping study indicted the potential for profitable production of graphite concentrate. In addition to Leliyn, Kingsland owns the Cleo Uranium Deposit in the Northern Territory. Kingsland drilled this out in 2022 and estimated an Inferred Mineral Resource containing 5.2 million pounds of U_3O_8. The Lake Johnston Project in Western Australia has historic nickel drill intersections and is also prospective for lithium mineralisation. Kingsland has a portfolio of very prospective future energy mineral commodities.

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