

**ASX Announcement**

By eLodgement

21 February 2023

## Outstanding concentrate results from Springdale Graphite Project

### HIGHLIGHTS

- First flotation tests produce outstanding results with concentrate grades exceeding commercial product quality at 97.4% Total Graphitic Carbon (“TGC”).
- Two conventional sighter laboratory flotation tests have been completed on RC drilling samples from exploration target SDE\_1.
- Testwork performed on 6m composite sample with average grade of 20.5% from 14m depth.
- Excellent graphite recovery into concentrate up to 93.7% was achieved with concentrate grades above 97%.
- Results strengthen expectations for the ability to apply a simple, low cost, flotation process to produce high quality graphite concentrates at Springdale for downstream processing.

International Graphite Limited (**ASX: IG6**) has received outstanding results from the first two metallurgical tests on graphite samples from recent drilling at the Springdale Graphite Project, in Western Australia.

The samples are from a new exploration target SDE\_1 (see Figure 1), located just 2km from the existing Springdale mineral resource.

International Graphite Managing Director and CEO Andrew Worland said, “The results provide further evidence that graphite mineralisation at Springdale is amenable to a simple low cost flotation process and could produce high quality, low impurity concentrate suitable for battery anode material processing.

“Since June last year, we have completed more than 11,000 metres of drilling. As well as infill on the existing resource, we have focused on new targets identified by an earlier aero magnetic survey. So far we have made three new discoveries<sup>1</sup> with assays still pending for RC drilling at SDE\_1. Drilling is continuing within the existing mineral resource and at Springdale Central, with further drilling likely at SDE\_1 to conclude the current campaign.

<sup>1</sup> Springdale Far West, Springdale Central and Springdale South see announcements 13 September 2022, 5 October 2022 and 20 January 2023,

“We are pleased with how the Springdale Graphite Project and our downstream facilities at Collie are being developed and integrated and advancing towards becoming Western Australia’s first mine to market producer of battery anode material.”

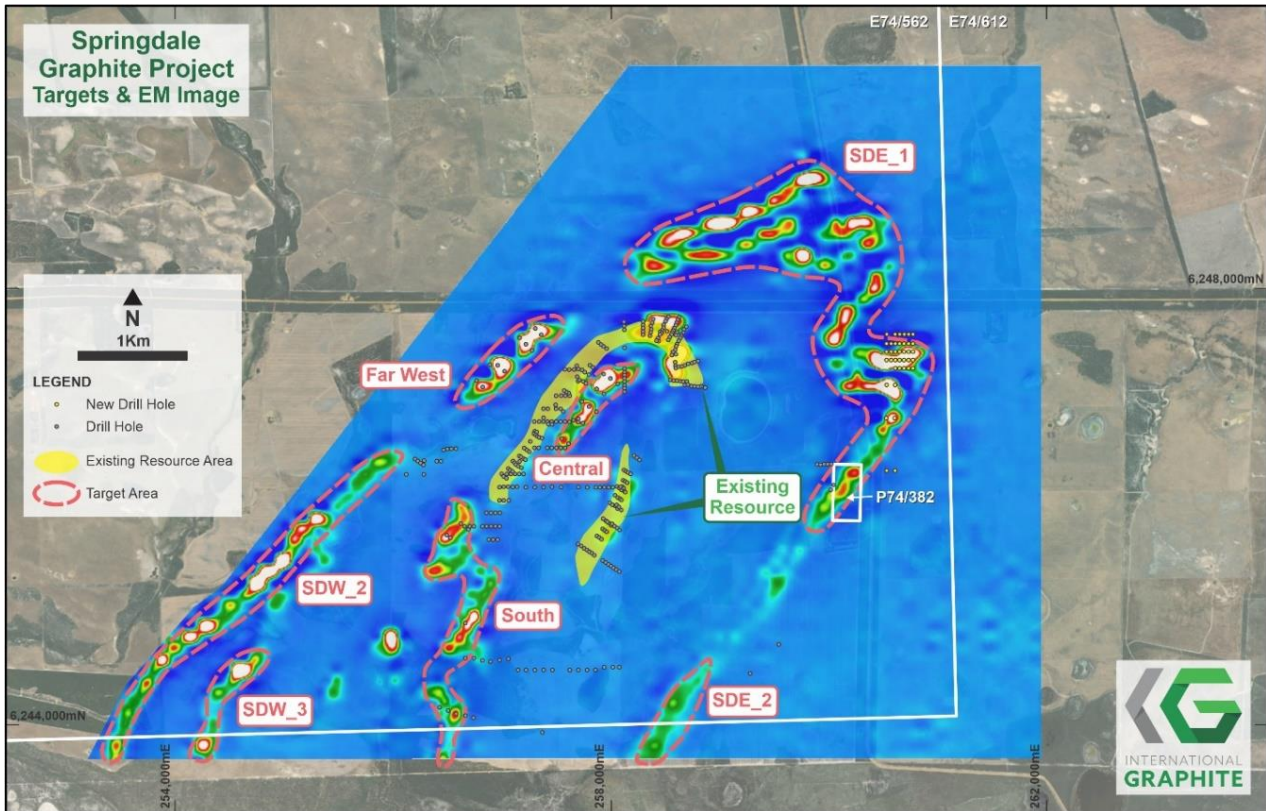


Figure 1: AEM survey image showing conductive material in relation to resource areas and new targets.

### FLOTATION TEST RESULTS

Laboratory results from the new Springdale East samples (Table 1) are consistent with previous metallurgical testwork on samples taken from within the existing mineral resource estimate.

Test reference #	Concentrate TGC %	Recovery %
BF2369	97.4	81.7
BF2380	97.1	93.7

Table 1: Test results

The independent flotation tests results show that:

- Graphite concentrates of >97% TGC can be produced using conventional flotation. The result exceeds the typical benchmark of 95% TGC.
- The flotation concentrate exhibited consistent grade distribution within size fractions.
- The concentrates produced were “fine”, at less than 75 micron, and considered to be highly amenable to micronising. Micronised graphite is widely used in industrial applications as well as being the first step in downstream processing of battery anode material.

- Impurities were low with silica <1.0%.

Tests were carried out by ALS-Metallurgy Pty Ltd’s laboratory in Perth under the management of BatteryLimits Pty Ltd. The first “sighter” test BF2369 focussed on concentrate grade performance. The second test BF2380 aimed to improve recoveries while maintaining concentrate grade. In the second test graphite recovery improved by an impressive 12.0% to 93.7%, with only a 0.3% reduction in concentrate grade to a still impressive 97.1%, well above the benchmark 95% grade.



**Figure 2: Location of International Graphite Projects.**

This announcement has been authorised for release by the Board of Directors of International Graphite Limited.

**Andrew Worland**  
 Managing Director & CEO

## Competent Persons Statement

The information in this announcement which relates to exploration targets, exploration results or mineral resources is based on information compiled by Mr. Darren Sparks. Mr. Sparks is the Principal Consultant and fulltime employee of OMNI GeoX Pty Ltd. He is a member of the Australian Institute of Geoscientists (“AIG”). Mr. Sparks has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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’ (the JORC Code). Mr. Sparks consents to the inclusion of the information in this announcement in the form and context in which it appears.

The Competent Person confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.

The information in this document that relates to metallurgical test work managed by Battery Limits Pty Ltd (BL) is based on, and fairly represents, information and supporting documentation reviewed by Mr David Pass, who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Pass is a fulltime employee of BL, who has been engaged by International Graphite Ltd to provide metallurgical consulting services. Mr Pass has approved and consented to the inclusion in this document of the matters based on his information in the form and context in which it appears.

## About International Graphite

International Graphite is an emerging supplier of processed graphite products, including battery anode material, for the global electric vehicle and renewable energy markets. The Company is developing a sovereign Australian ‘mine to market’ capability, with integrated operations wholly located in Western Australia. The Company intends to build on Australia’s reputation for technical excellence and outstanding ESG performance with future mining and graphite concentrate production from its 100% owned Springdale Graphite Project and commercial scale downstream processing at Collie. International Graphite is listed on the Australian Securities Exchange (ASX: IG6) and Tradegate and Frankfurt Stock Exchange (FWB: H99, WKN: A3DJY5) and is a member of the European Battery Alliance ([EBA250](#)) and European Raw Minerals Alliance ([ERMA](#)).

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