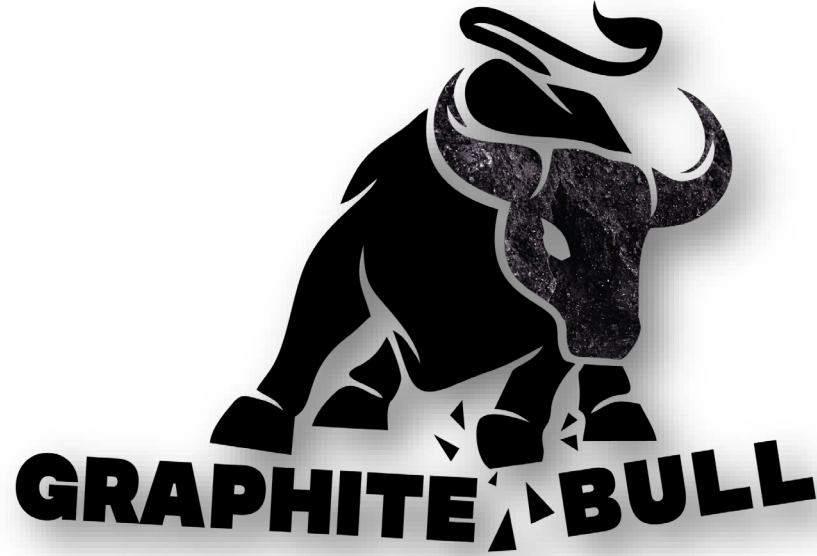




BUXTONRESOURCES



Tier 1 natural graphite Tier 1 jurisdiction

Benchmark Gigafactories Asia Pacific 2023
Martin Moloney, CEO

DEVELOPING AND DISCOVERING CRITICAL MINERALS

DIRECTORS / SENIOR MANAGEMENT

Seamus Cornelius	Non-Executive Chairman
Eamon Hannon	Non-Executive Director
Anthony Maslin	Non-Executive Director
Stuart Fogarty	Non-Executive Director
Sam Wright	Company Secretary
Martin Moloney	CEO
Mark Thomas	Corporate and Finance Manager

REGISTERED OFFICE

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Subiaco WA 6008
Phone +61 (0)8 9380 6063
Postal Address PO Box 661 Nedlands WA 6909
Email: info@buxtonresources.com.au
Website: www.buxtonresources.com.au

TOP 5 SHAREHOLDERS

- IGO – 18.19%
- National Business Holding Ltd
- A & R Dearlove Pty Ltd
- Citicorp Nominees Pty Ltd
- BNP Paribas Nominees Pty Ltd

CAPITAL STRUCTURE & FINANCIALS

ASX : BUX 171.3M shares CAB: A\$3.1M (30/6)
10.7M options

Mkt Cap: A\$36.0M @ 21c 20/09/23



**MAKING A
DIFFERENCE**
IGO.COM.AU

We believe in a clean energy future and by delivering the products needed for tomorrow's battery systems, we are making it happen.

PROJECT PIPELINE

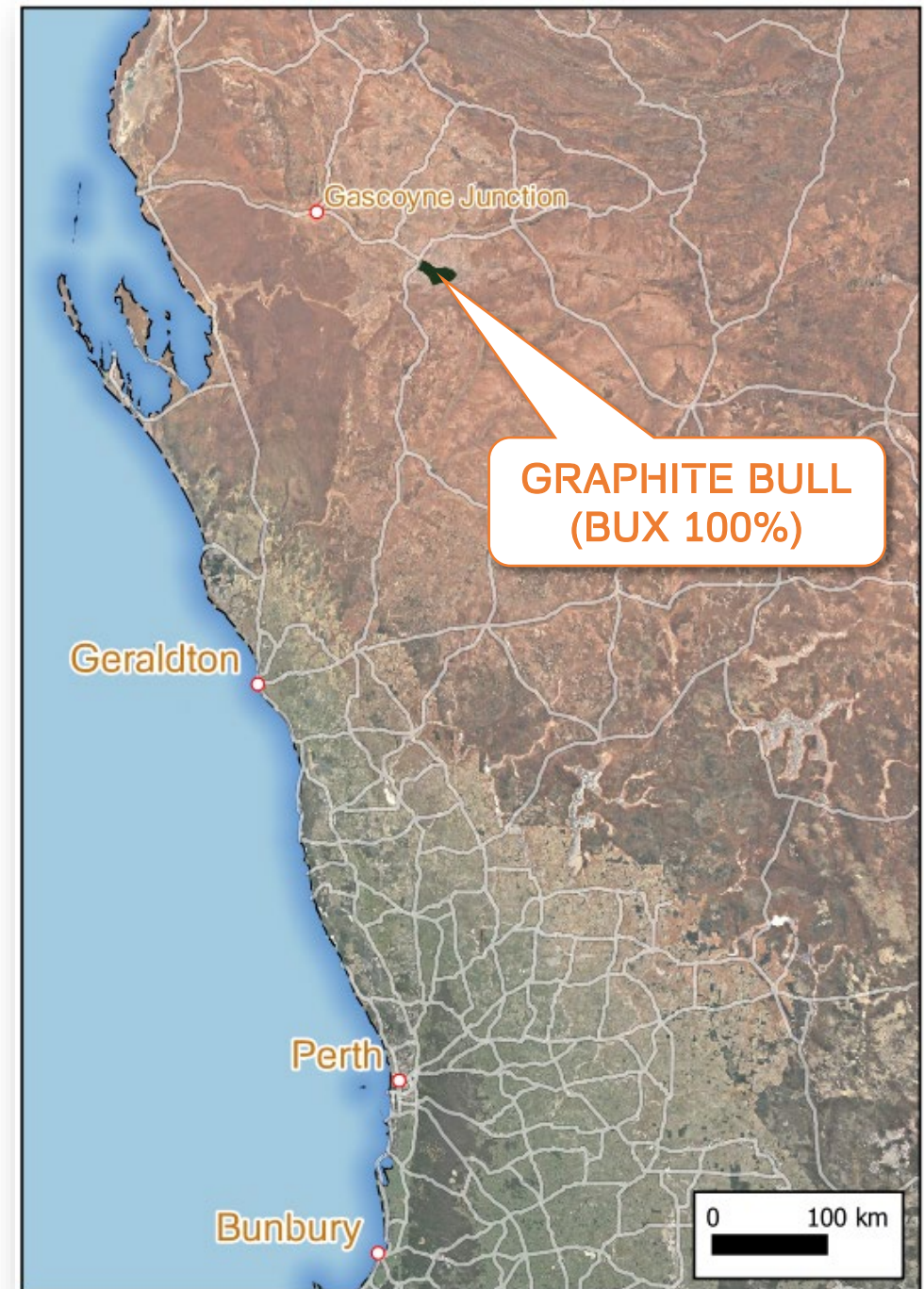


Committed JV forward spend ~\$6M
 JV spend to date > \$24M
 BUX's tenure interests > 8,250 km²
 BUX Annual Tenement Commitments < \$850k

GRAPHITE BULL (100% BUX)

Western Australia – a Tier 1 Mining Jurisdiction

- 28 km to major regional road
 - 500 km to Geraldton, 900 km to Perth
- Baseline Flora and Fauna surveys completed - no areas of concern
- Initial groundwater investigations indicate ample local supplies at <1,000 TDS
- Excellent engagement with stakeholders (Native Title, Pastoral and Local / State / Federal Government)



GRAPHITE BULL (100% BUX)

Development story that gets better every time we touch it

- 1) High grade, at surface – 4 Mt @ 16.2% TGC
- 2) Excellent extensional upside
- 3) Outstanding flotation performance
 - Ease of concentrating
 - Concentrate grade and recovery
 - Flake size ideal for PSG

Sighter Flotation Results (ASX 13/03/2023)

Consultant (Test)	Grade (% TGC)	TGC Recovery (%)	% Rec @ 95% TGC Con
BL (BF2370)	98.2	90.7	93.7
IMO (FT02)	96.8	89.5	92.3

Exploration Drilling at GB003RC (ASX 02/03/2023)

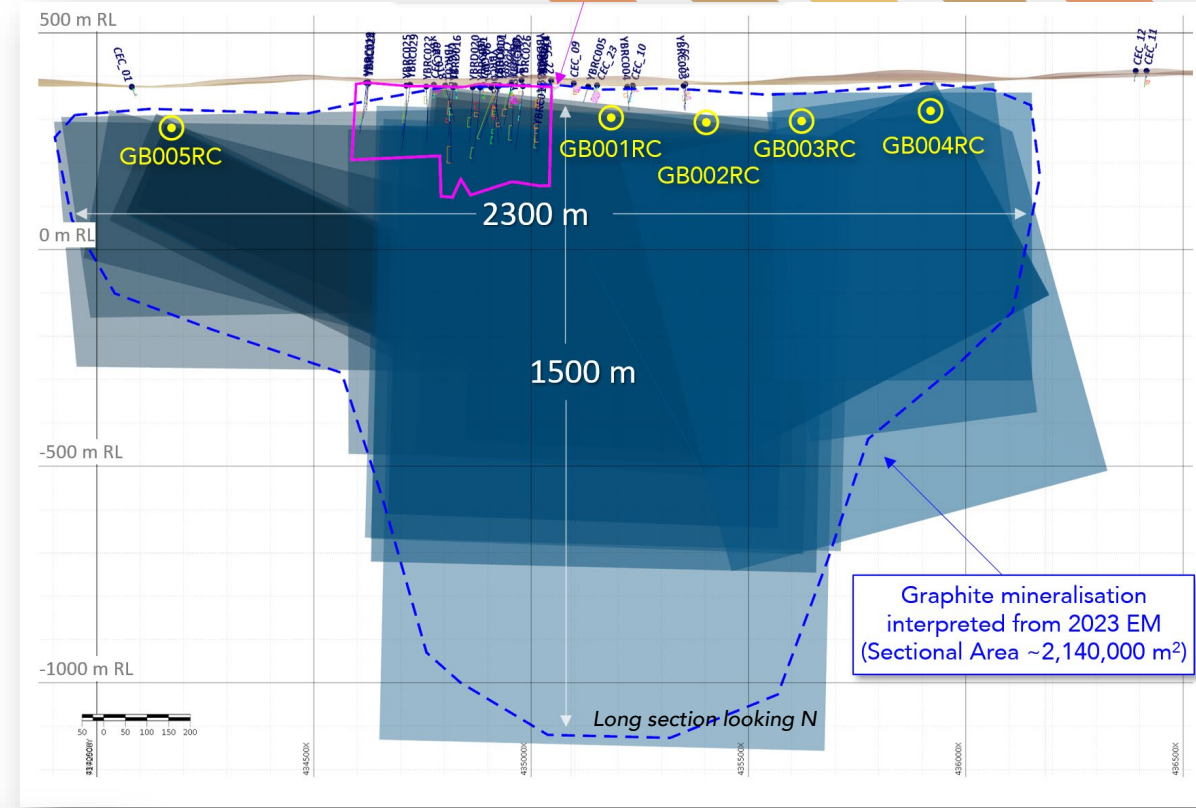


GRAPHITE BULL (100% BUX)

Clear Opportunity for Resource Expansion at Shallow Depth

- 2014 Resource (4 Mt @ 16.2 % TGC) defined over 400m strike / 170 - 200m depth
- Geophysics (EM) & drilling defines resource expansion targets over 2.3 km of strike and 1.5 km depth extent

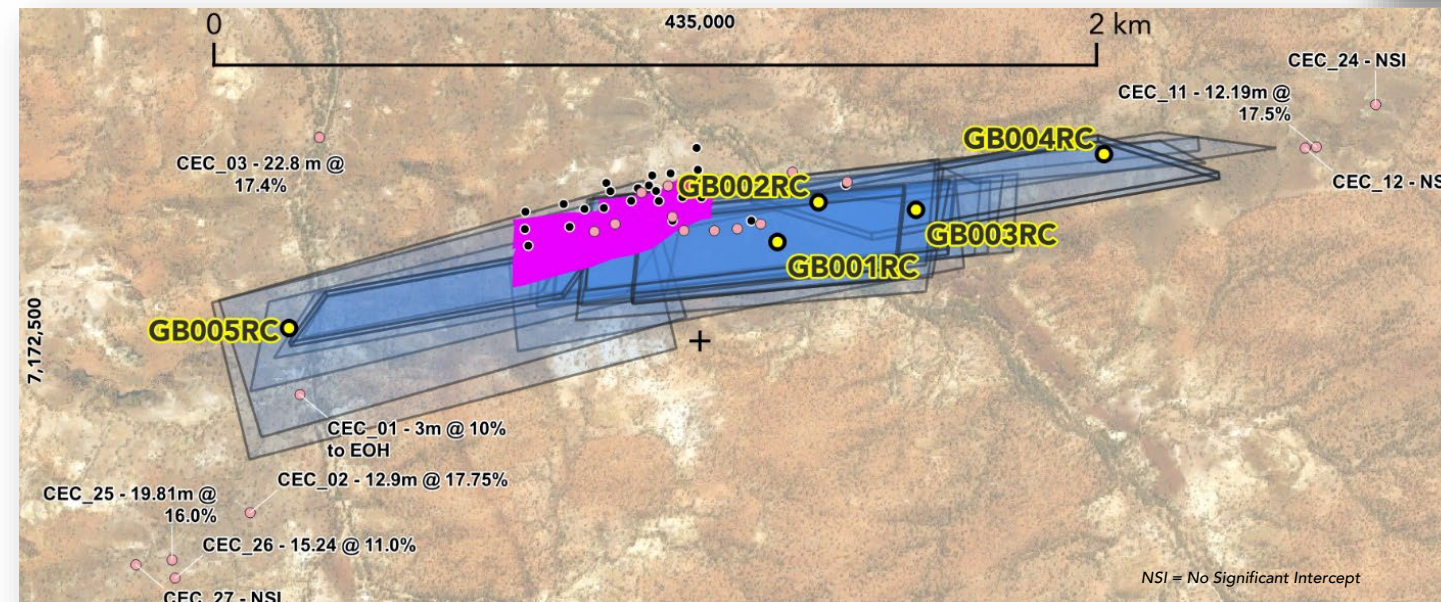
Plan view recent RC collars, Ground EM plates, extent of 2014 resource and historical intercepts (ASX 14/03/2023)



Ground EM results (ASX 07/02/2023)

Scout RC program highlights

- GB001RC 33m @ 18.7% TGC from 11m
- GB003RC 18m @ 16.2% TGC from 145m
- GB004RC 32m @ 17.7% TGC from 49m
- and 5m @ 24.8% TGC from 20m
- GB005RC 5m @ 24.5% TGC from 123m

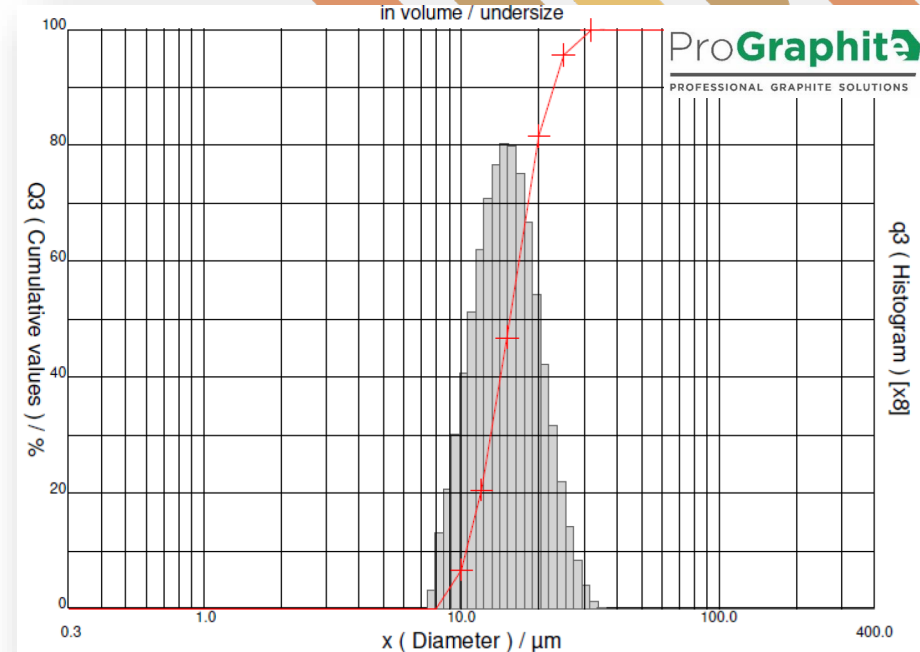


GRAPHITE BULL (100% BUX)

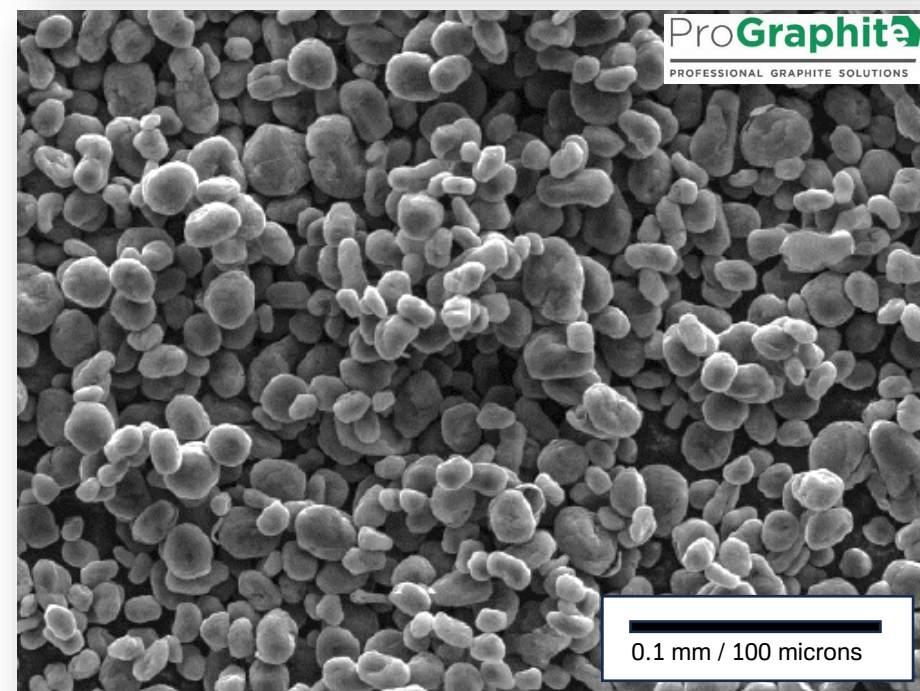
Metallurgical studies underway at ProGraphite and Anzaplan

First round of PSG test work results received August 2024...

- 99.97% TGC purity basic alkaline (caustic soda) roast at 250°C
- Spheronising gives excellent shape and size distribution, yield is good and in line with industry expectations
- Concentrate micronised well with little energy input
- 50% recovery through to SPG - opportunities to optimize



Particle size distribution of SPG 15 (ASX 07/08/2023)

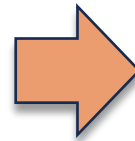


SEM image of spheronised Graphite Bull concentrate (ASX 07/08/2023)

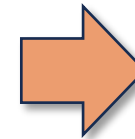
NEXT STEPS...

- 1) Electrochemistry
- 2) Resource expansion
- 3) Partnership discussions
 - Offtake
 - Equity Investment

We can provide 10-100 kg samples of natural graphite concentrate for downstream anode test work



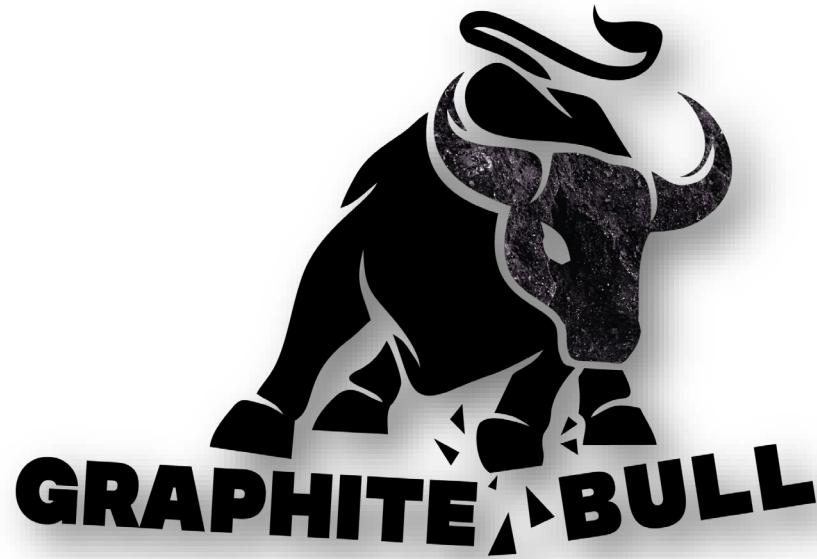
Feasibility



Production



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THANKYOU FOR YOUR ATTENTION



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FORWARD LOOKING STATEMENTS

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AUTHORISED BY

The Board of Directors of Buxton Resources.



COMPETENT PERSONS STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Mr Martin Moloney, Member of the Australasian Institute of Geoscientists. Mr Moloney is a full-time employee of Buxton Resources Limited. Mr Moloney has sufficient experience which is relevant to the activity being undertaken to qualify as a "Competent Person", as defined in the 2012 edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Moloney consents to the inclusion in this report of the matters based on the information in the form and context in which it appears. All exploration results and geological information has been previously reported in numerous Company ASX announcements under the 2012 JORC Code. This information has not materially changed since it was initially reported.

Previously Reported Results

There is information in this announcement relating to results (including those relating to historical drilling) previously announced on:

[24th October 2014 - Buxton Significantly Expands Graphite Resource at Yalbra](#)

[7th February 2023 – Exploration Update - Graphite Bull Project](#)

[19th April 2023 - Graphite Bull - Drilling Assays](#)

[7th August 2023 – Downstream Processing Success at Graphite Bull Project](#)

Buxton Resources Ltd confirms that it is not aware of any new information or data that materially affects the information included in this announcement or the announcement referenced above.