



**Large, Leveraged
Australian Graphite
Opportunity
May 2023**





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WHY INVEST IN KINGSLAND MINERALS?

- **Kingsland owns the Leliyn Graphite Project in the NT which hosts a 20km long outcropping graphitic schist**
- **Large Exploration Target of 200-250mt @ 8-11% Total Graphitic Carbon for 16-27mt of contained graphite¹**
- **Graphite flake size up to 160 micron**
- **Maiden drilling program starts this month, results will be used to estimate a Mineral Resource and samples used for metallurgical test-work**

¹ The quantity and grade of the Exploration Target for the Leliyn Graphite Project is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

WHY INVEST IN KINGSLAND MINERALS?

- **Tier 1 location close to existing port with direct rail access and close to major markets**
- **Graphite market forecast to move into deficit this year on demand from lithium batteries for electric vehicles**
- **Market cap at just \$9m (20c), \$2.5m cash, EV \$6.5m, strong news flow from upcoming drilling**

WHY INVEST IN KINGSLAND MINERALS?

HOW MANY MINES DO WE NEED?

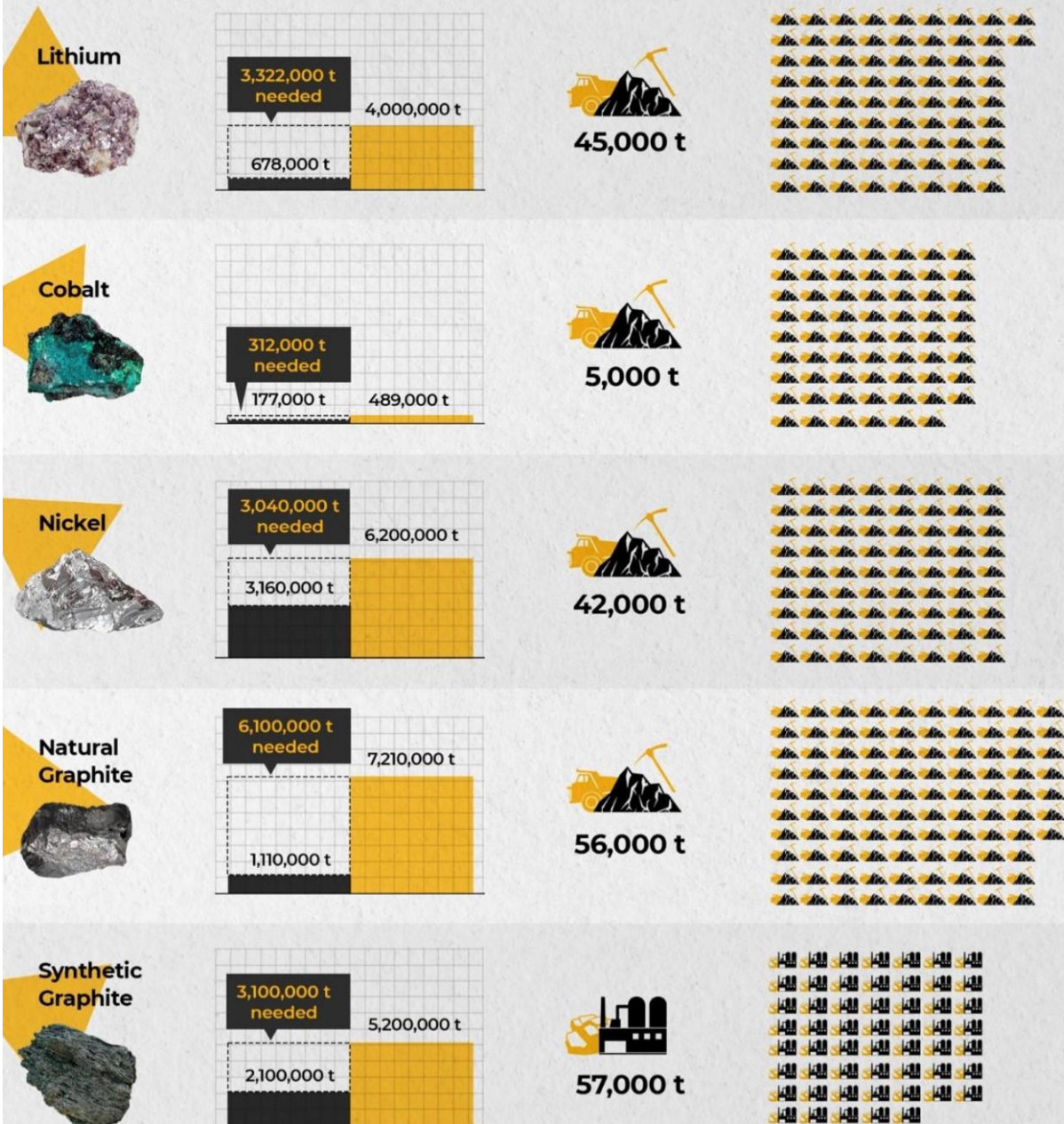
As the lithium ion battery revolution gains momentum, **Benchmark** forecasts just how many mines need to be built to keep up with the exceptional volumes of demand for key raw materials expected by 2035.



■ 2022 Supply Vs 2035 Demand

Average Mine/Plant Size

No. of Mines/Plants Needed

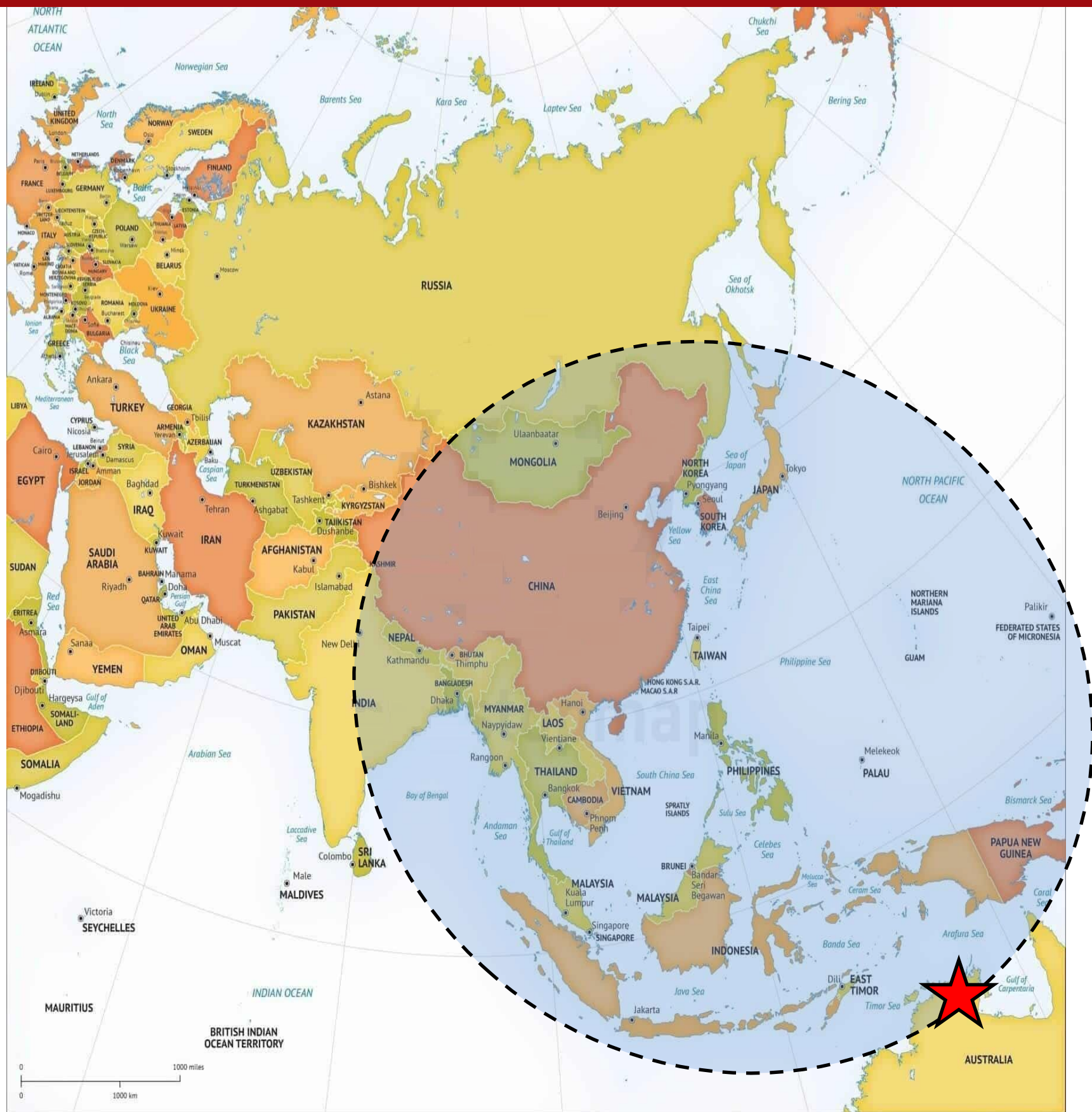


Graphite set for significant increase in demand and price.

2035 demand to increase by more than 600% from current supply levels

An additional 95 mines required over next 12 years

KINGSLAND MINERALS



**Kingsland Minerals -
developing a potential world
class graphite project**

**Located in the Northern Territory with
excellent access and logistics.**

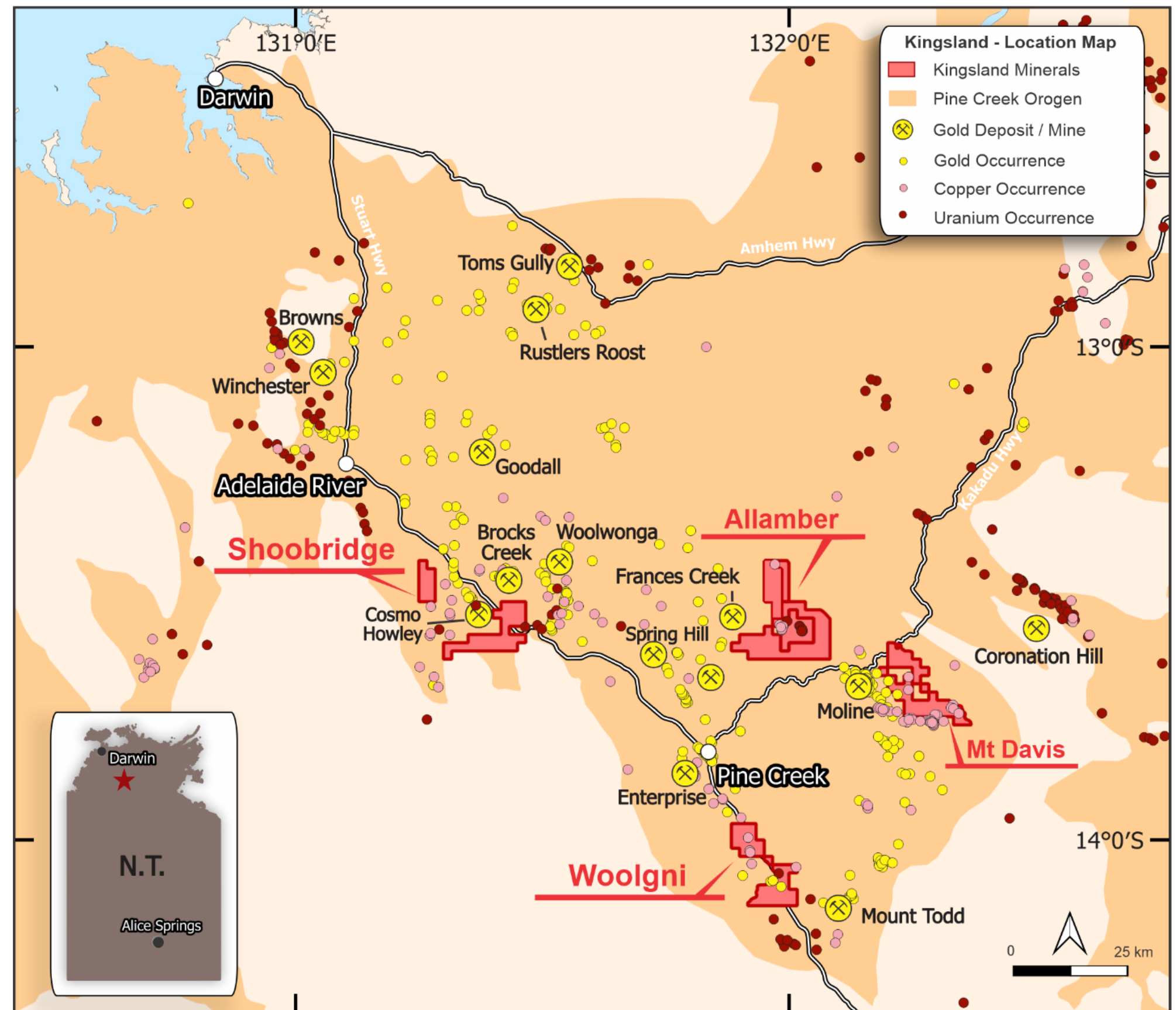
**Close proximity to Darwin Port and Asian
markets.**

EXCELLENT LOCATION

Excellent location in the Pine Creek mining district

250km from Darwin Port with direct rail access

Existing Infrastructure with a long history of mining and exploration



WHY GRAPHITE?

Graphite's electrical properties are utilized in batteries

Graphite makes up about 30% by weight of lithium-ion batteries used in EV's

Growing demand for EV's is directly linked to growing demand for Graphite, (as well as lithium, cobalt)

Significant graphite supply shortage forecast over next decade



THE KEY MINERALS IN AN EV BATTERY

Lithium-ion batteries harness the properties of various minerals to power electric vehicles.

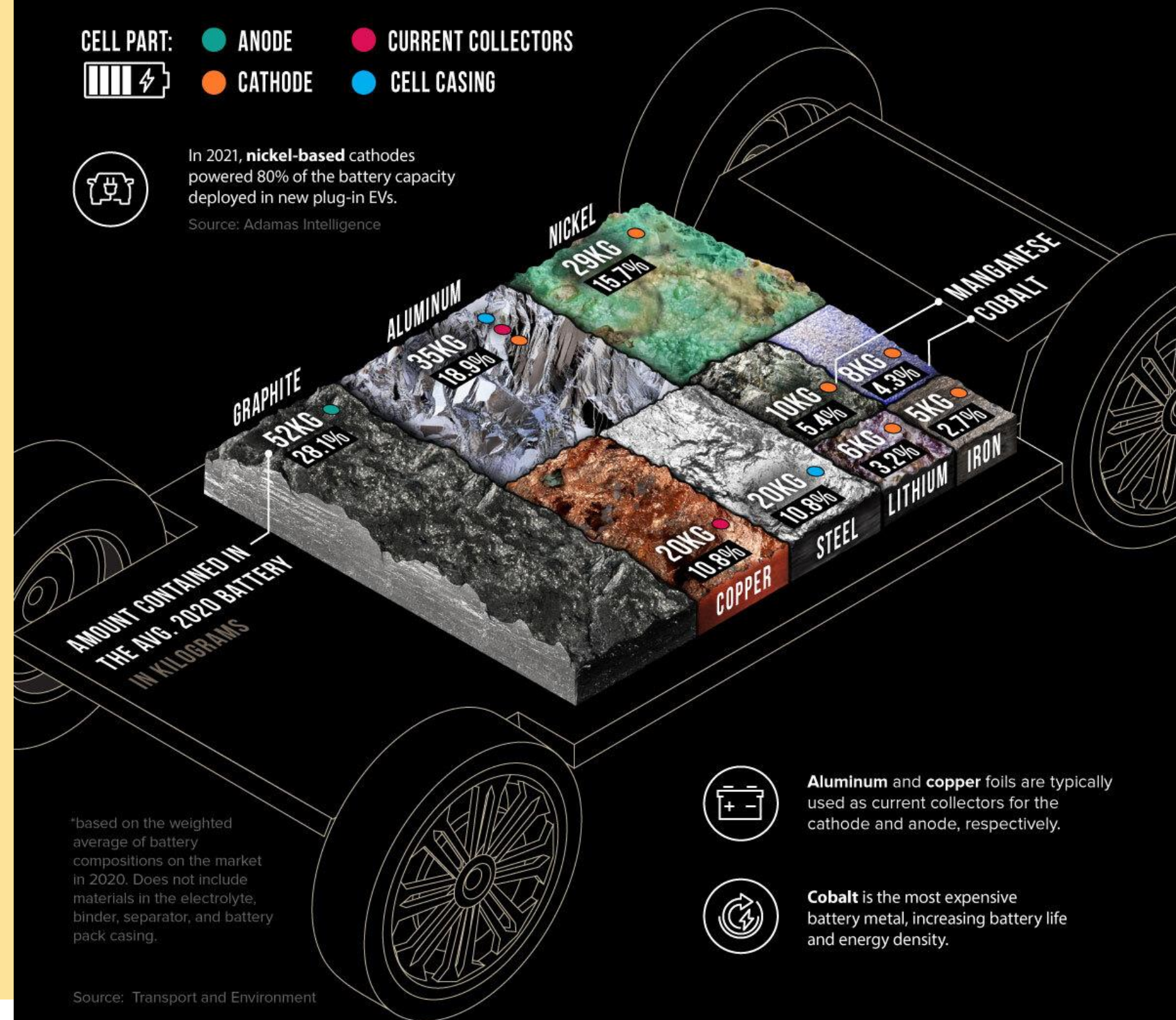
The cells in the average lithium-ion battery with a 60-kilowatt-hour (kWh) capacity contain around 185kg* of minerals.

CELL PART: ANODE CATHODE CURRENT COLLECTORS CELL CASING



In 2021, nickel-based cathodes powered 80% of the battery capacity deployed in new plug-in EVs.

Source: Adamas Intelligence



*based on the weighted average of battery compositions on the market in 2020. Does not include materials in the electrolyte, binder, separator, and battery pack casing.

Source: Transport and Environment



Aluminum and copper foils are typically used as current collectors for the cathode and anode, respectively.



Cobalt is the most expensive battery metal, increasing battery life and energy density.

GRAPHITE CRITICAL MINERAL

Australia National Battery Strategy Feb 2023

“Critical minerals are crucial inputs to battery technologies, so there are close links between the National Battery Strategy and the Critical Minerals Strategy. Both strategies will work together to target different parts of the battery value chain. The Critical Minerals Strategy will support the development of Australia’s upstream critical minerals mining and processing sector, while the National Battery Strategy will focus on the downstream manufacturing and assembly components of the value chain.”

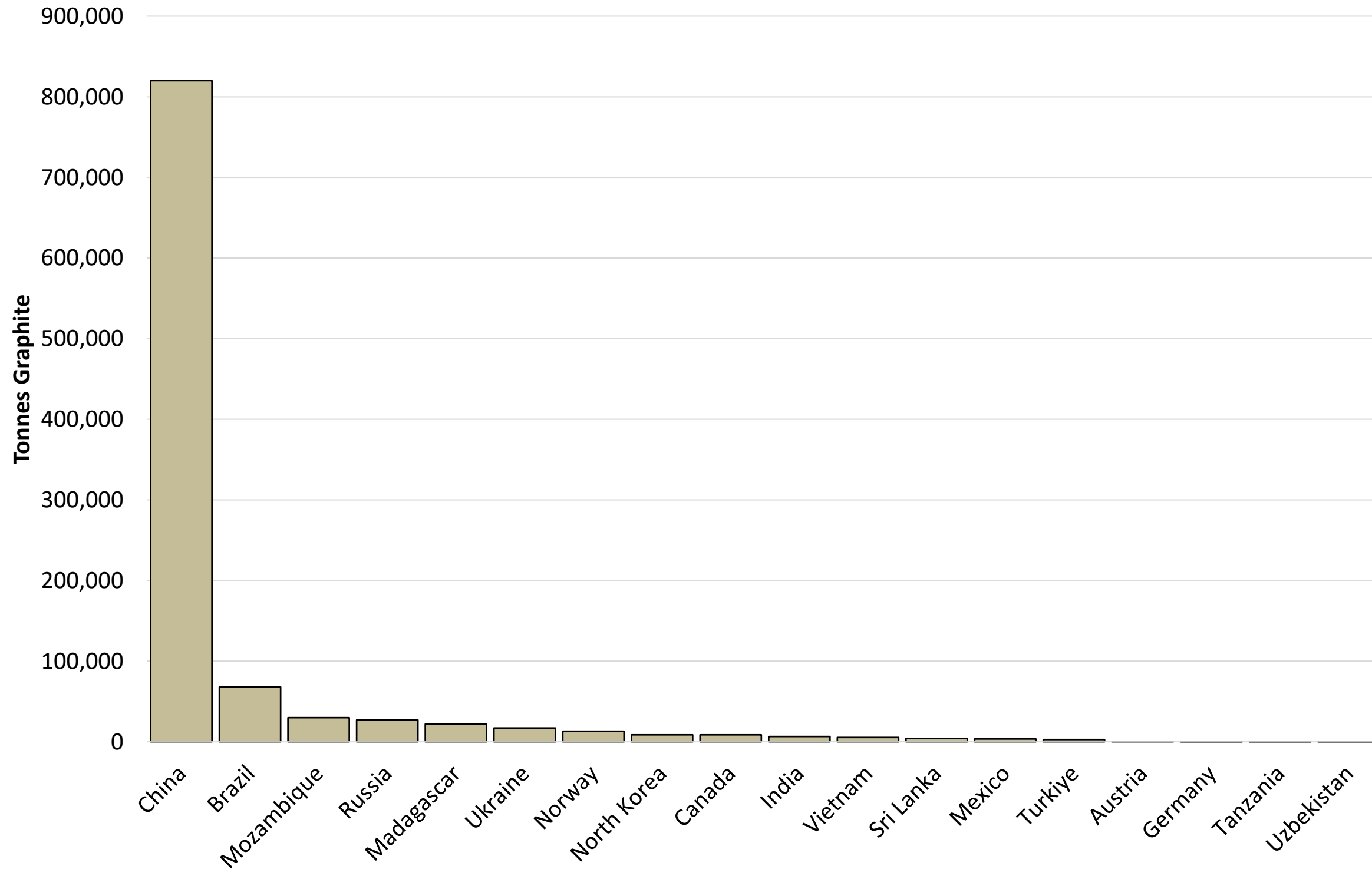
Graphite is a critical mineral in:

- Australia – **no production**
- Japan – **no production**
- United States – **no production**
- UK – **no production**
- Canada – **limited production**
- EU – **limited production**

Additional, diversified production is required. Production that meets ESG standards and carbon neutral efficiency standards

GRAPHITE SUPPLY

Graphite Production 2021



Graphite production traditionally dominated by China.

China currently produces nearly all the coated spherical graphite used in battery manufacturing

Consumers want diversification from one supplier

Source: United States Geological Survey

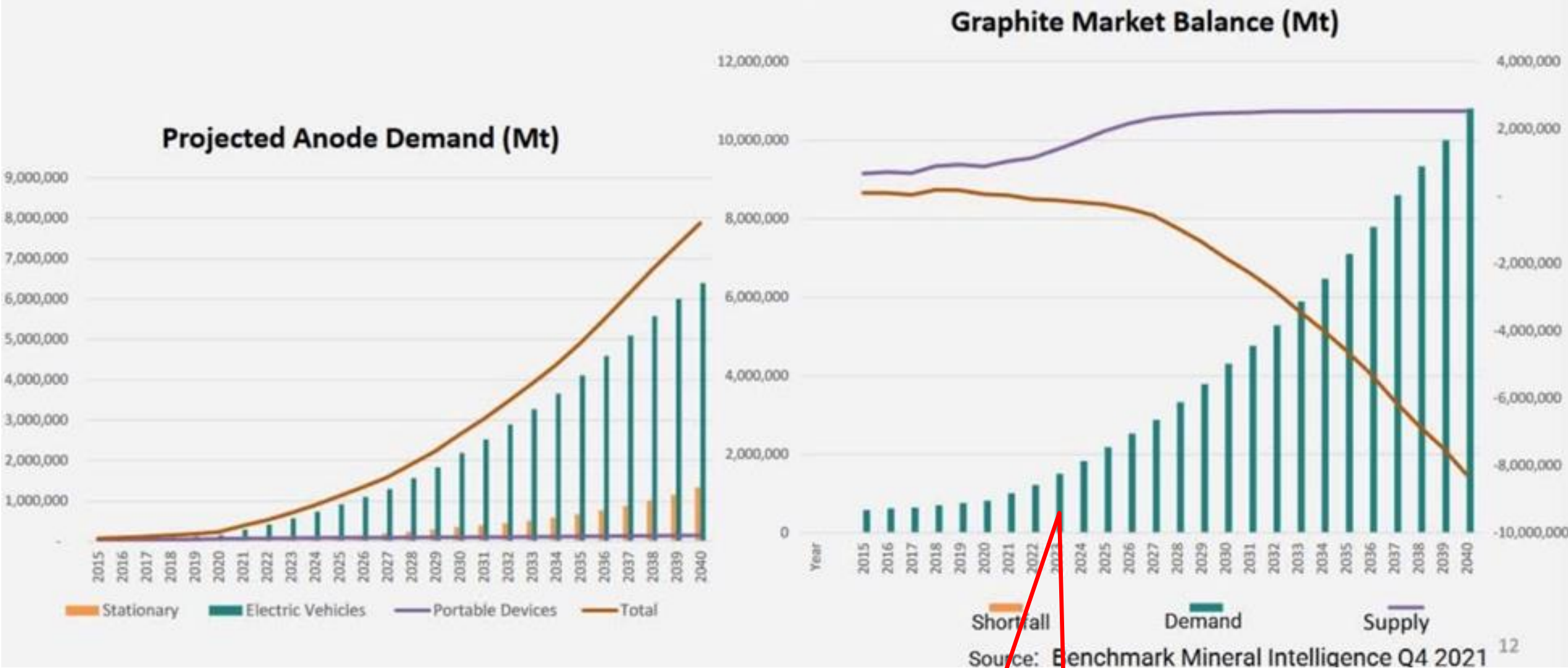
GRAPHITE DEMAND

Graphite shortage starting in 2022 - Shortage to grow to 8Mt by 2040

Demand for graphite for battery application forecast to grow significantly.

New production required now to fulfil this demand.

Given time delays to add more supply, price set to rise



We are here now

GRAPHITE PRICE

Graphite Prices: January 2021 - February 2023



Price increases for -100 mesh (-150 micron) 94% TGC driven by demand for finer flake suitable for spheroidisation



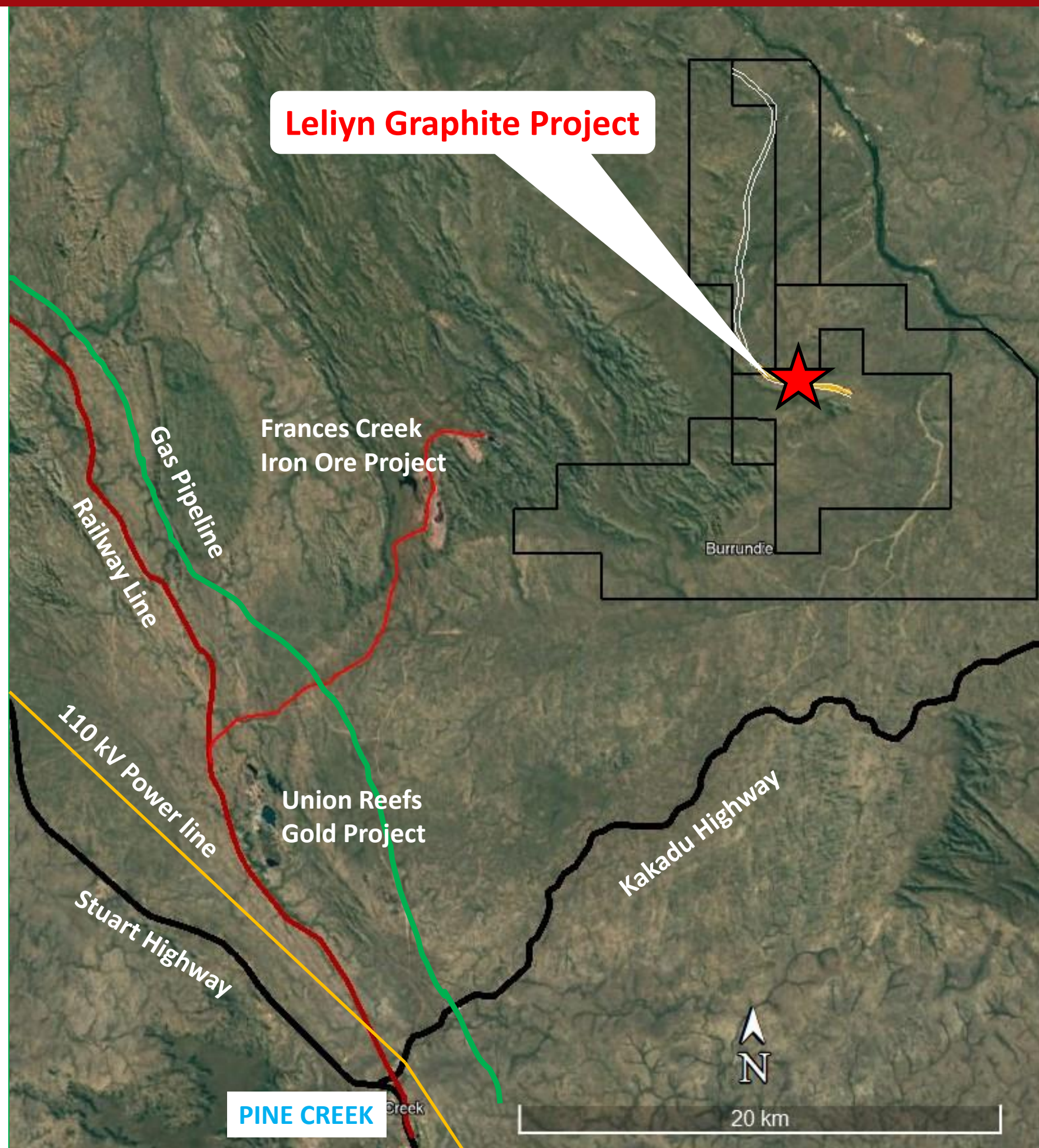
Significant Graphite Discovery

Leliyn has scale, Exploration Target of 200-250mt @ 8-11% TGC

Leliyn has advantage, Tier 1 location

Drilling now to prove up quality

INFRASTRUCTURE IN PLACE



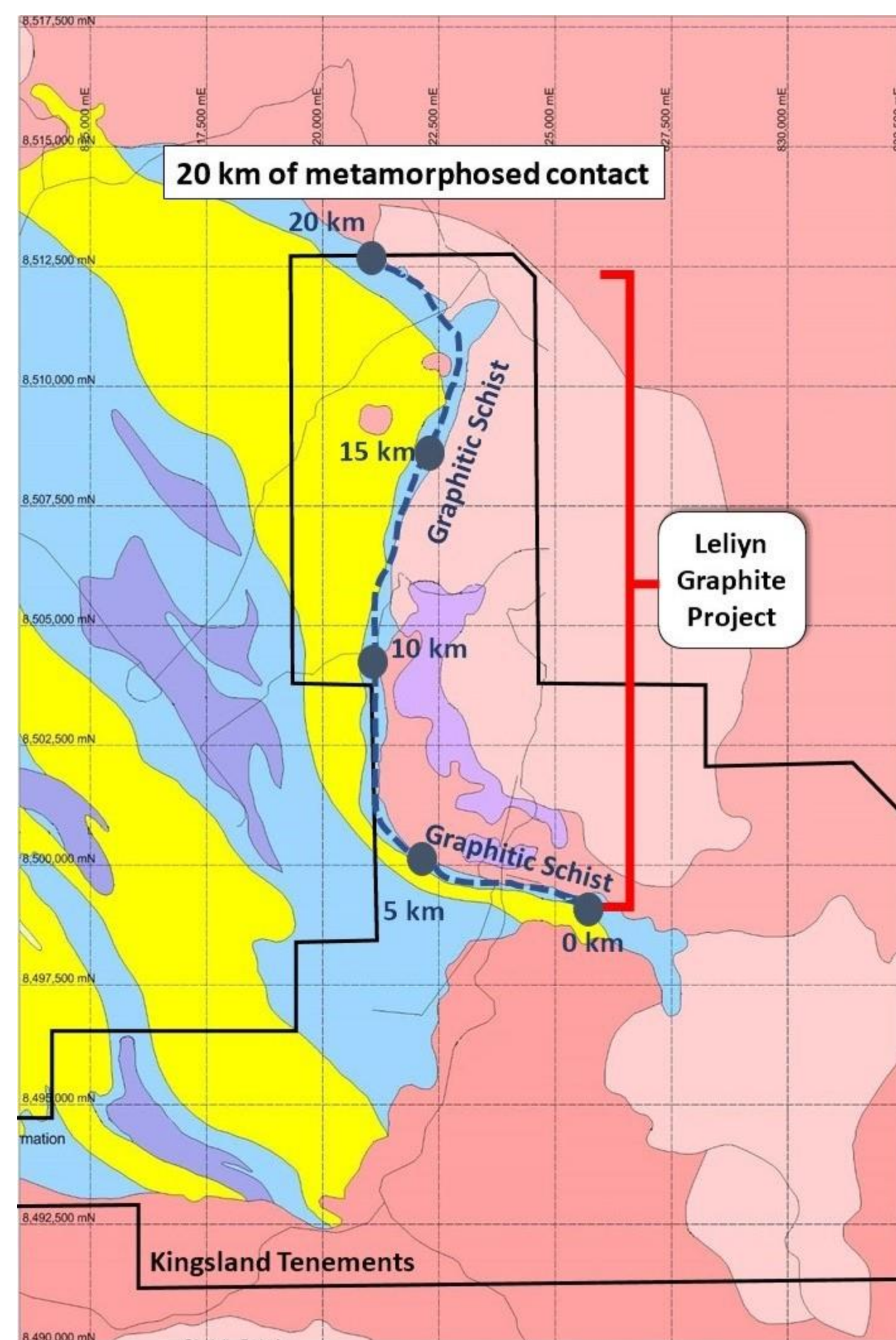
Existing Infrastructure

- Rail loading area used for Frances Creek Iron Ore Mine in 1970's
- Haulage road from Frances Creek to rail loading area.
- Sealed Kakadu and Stuart Highways
- 110 kV power line
- Gas pipeline
- Pine Creek, accommodation, fuel etc

LELIYN GRAPHITE

Carbonaceous sediments of the Masson Formation have been metamorphosed by intruding Cullen Granite forming graphitic schists.

A total of 20km of this contact is contained within Kingsland tenements

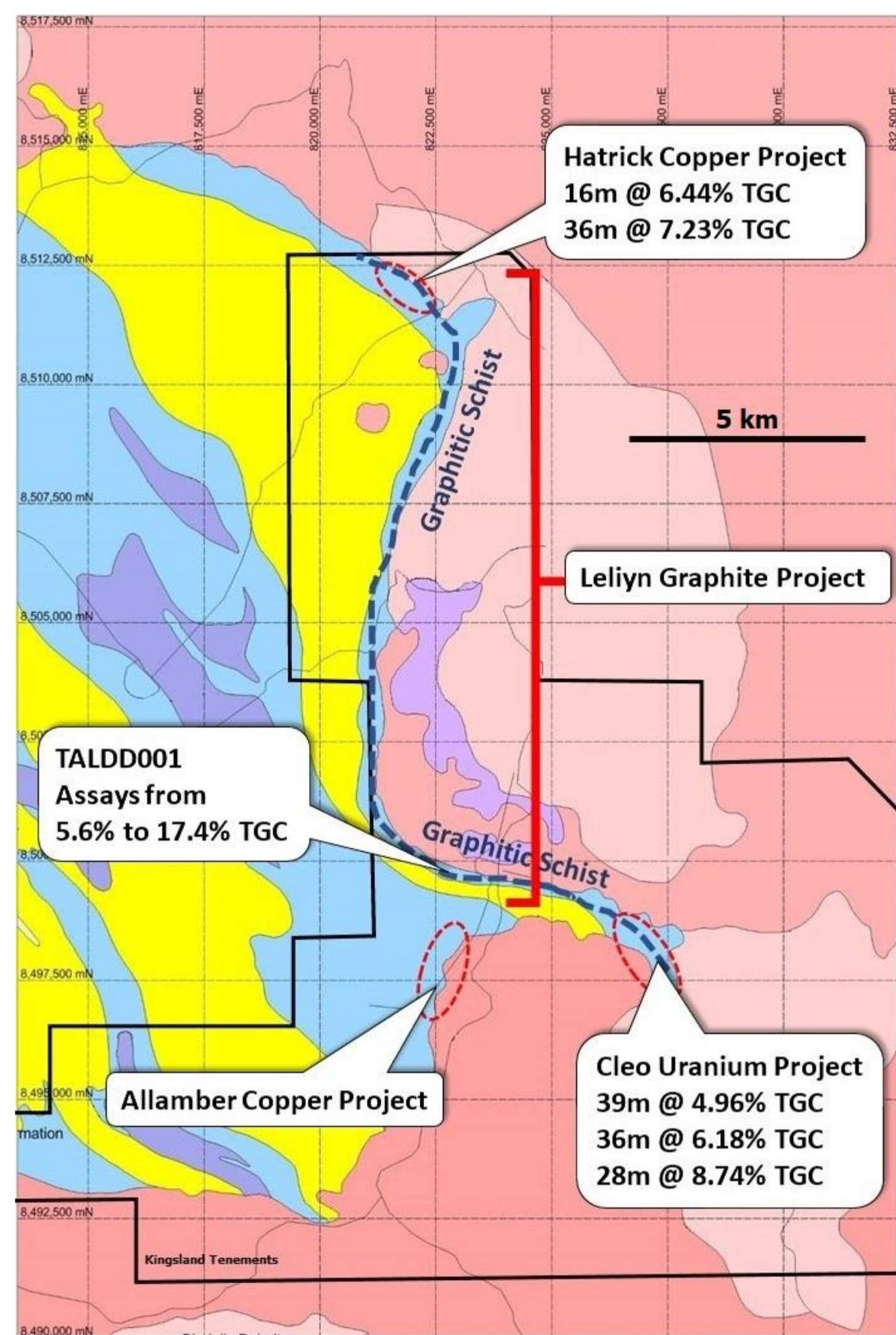


LELIYN GRAPHITE

Previous exploration has delineated high TGC grades along the 20km strike length.

Previous drilling was not targeting graphite so reported intersections under-report true widths of graphitic schist and are not representative of TGC grade.

They indicate the presence of high-grade graphitic mineralisation

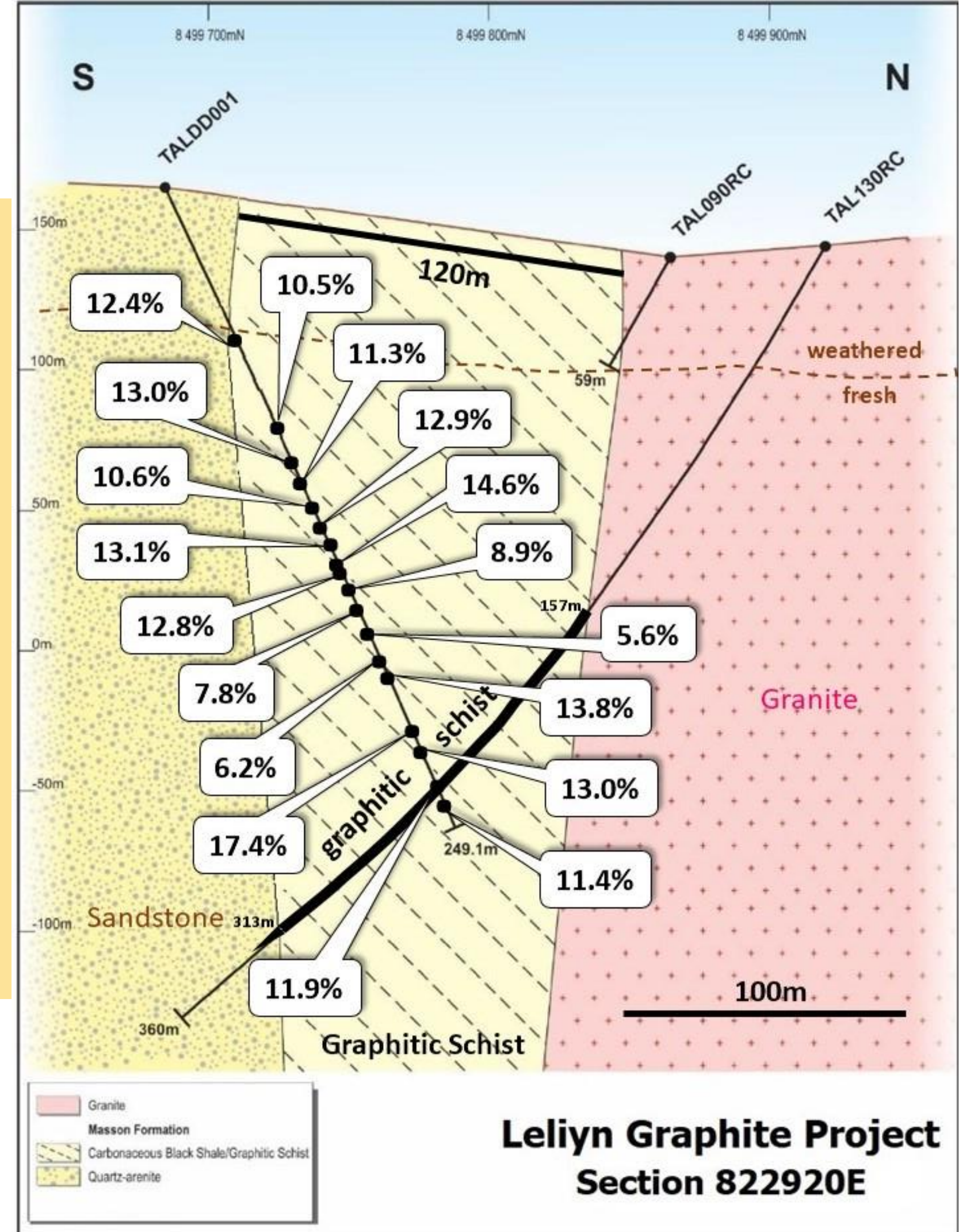


LELIYN GRAPHITE

One diamond hole TALD001 was previously completed with samples taken for assay and thin section work.

Drilling indicates a true thickness of ~100m to a depth of at least 300m.

RC hole TAL130RC was not assayed for Graphite but intersected 156m of graphitic schist.



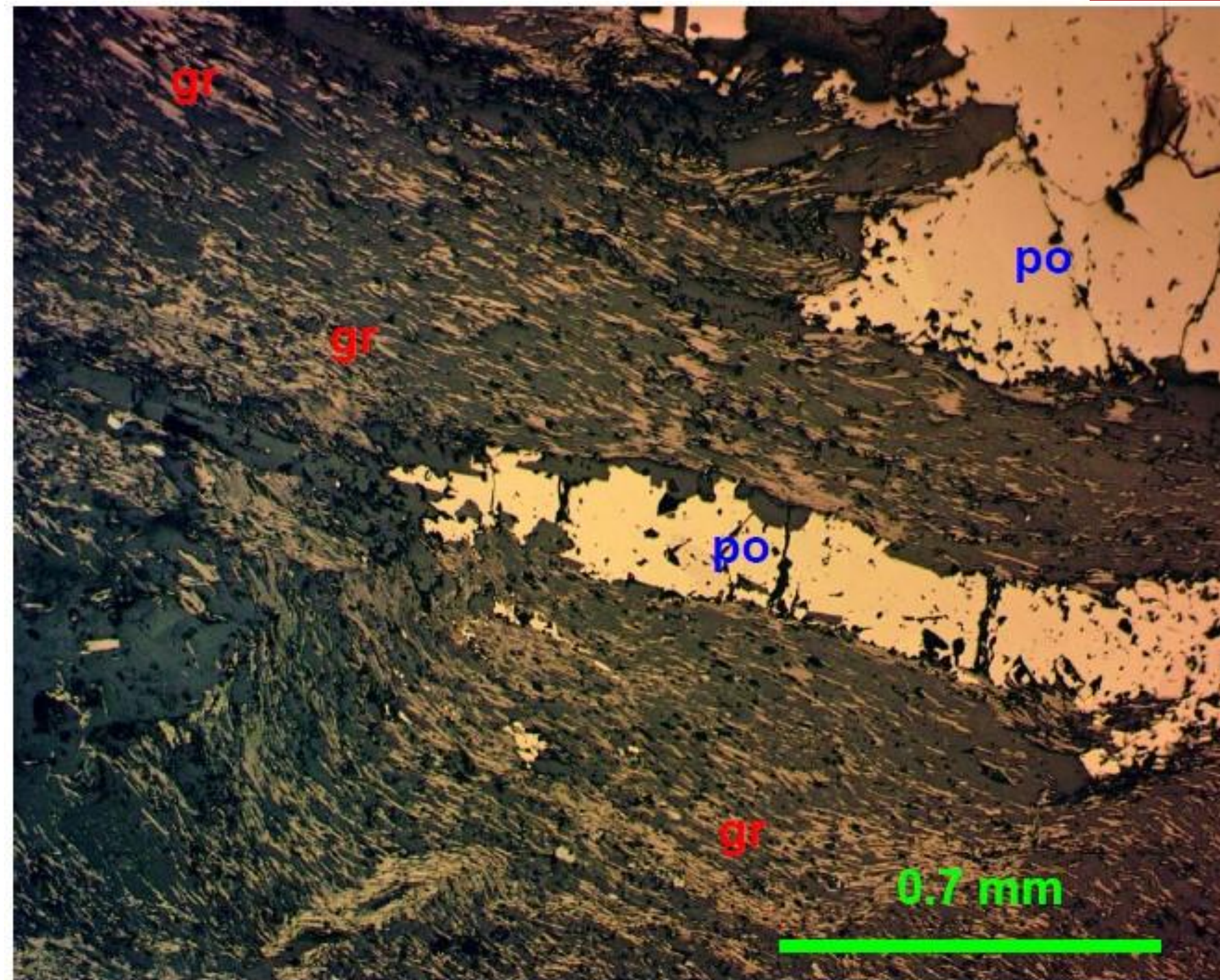
LELIYN GRAPHITE

Sample TPOD2779 195.7m – 195.9m

13.8% TGC

View under reflected light showing remobilised pyrrhotite (po) veins penetrating oriented flake graphite (gr) in the metamorphic matrix. Field of view – 2.2 mm.

Flake size 10-120 micron, avg. 60



LELIYN GRAPHITE

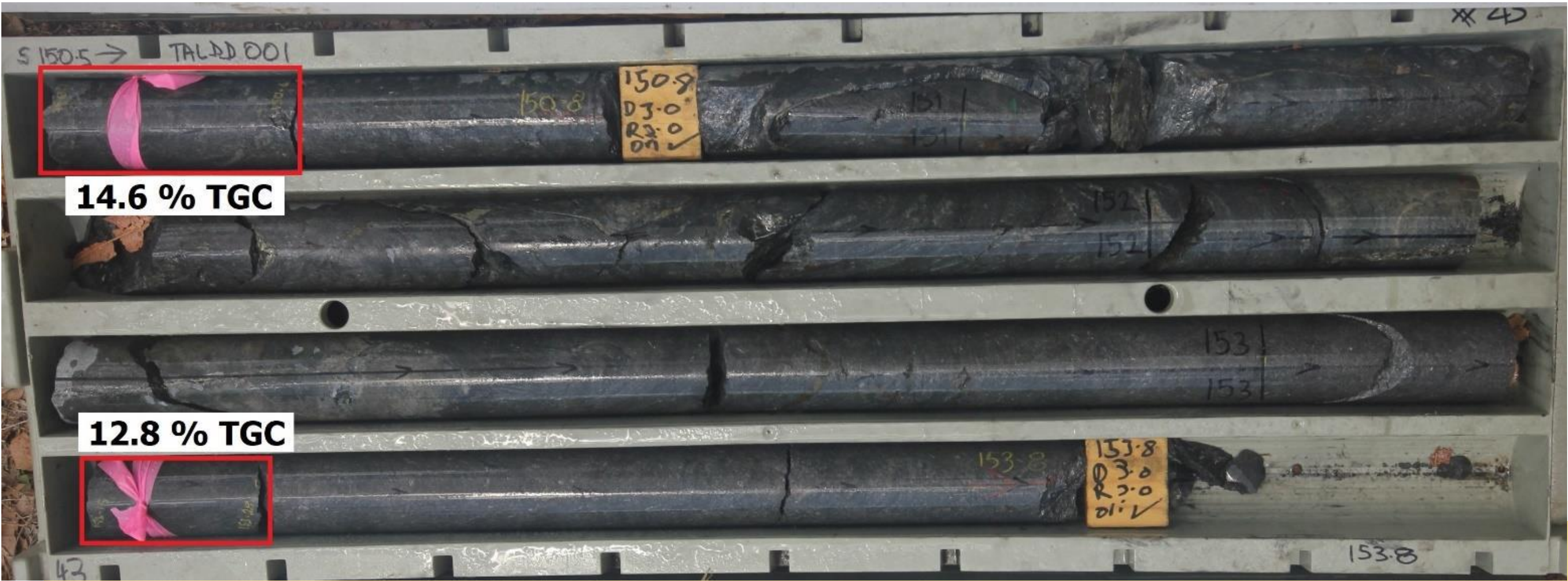
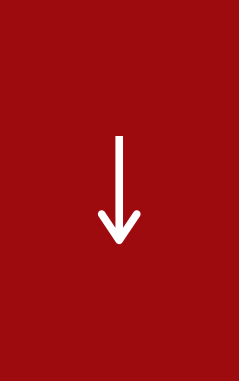


| From (m) | To (m) | Length (m) | Sample no. | Total Graphite Content (TGC) % | Petrographic Analysis | |
|----------|--------|------------|------------|--------------------------------|----------------------------|------------------------------|
| | | | | | Flake Size Range (microns) | Flake size average (microns) |
| 61.50 | 61.60 | 0.10 | TPOD2766 | 12.4 | 5 - 90 | 40 |
| 96.75 | 97.00 | 0.25 | TPOD2767 | 10.5 | 20 - 120 | 70 |
| 110.15 | 110.35 | 0.20 | TPOD2768 | 13.0 | 20 - 140 | 70 |
| 118.30 | 118.60 | 0.30 | TPOD2769 | 11.3 | 25 - 120 | 80 |
| 127.80 | 127.95 | 0.15 | TPOD2770 | 10.6 | 20 - 110 | 60 |
| 136.20 | 136.40 | 0.20 | TPOD2771 | 12.9 | 6 - 150 | 80 |
| 145.50 | 145.70 | 0.20 | TPOD2772 | 13.1 | 10 - 120 | 60 |
| 150.45 | 150.60 | 0.15 | TPOD2773 | 14.6 | 12 - 130 | 70 |
| 153.15 | 153.25 | 0.10 | TPOD2774 | 12.8 | 12 - 160 | 90 |
| 162.75 | 162.95 | 0.20 | TPOD2775 | 8.9 | 10 - 80 | 50 |
| 168.80 | 168.95 | 0.15 | TPOD2776 | 7.8 | 10 - 60 | 30 |
| 179.15 | 179.30 | 0.15 | TPOD2777 | 5.6 | 20 - 80 | 50 |
| 189.20 | 189.40 | 0.20 | TPOD2778 | 6.2 | 10 - 120 | 60 |
| 195.70 | 195.90 | 0.20 | TPOD2779 | 13.8 | 10 - 120 | 60 |
| 216.60 | 216.80 | 0.20 | TPOD2780 | 17.4 | 5 - 20 | 10 |
| 225.25 | 225.50 | 0.25 | TPOD2781 | 13.0 | 3 - 20 | 10 |
| 240.35 | 240.55 | 0.20 | TPOD2782 | 11.9 | 3 - 40 | 20 |
| 246.45 | 246.65 | 0.20 | TPOD2783 | 11.4 | 2 - 80 | 30 |

Petrographic analysis indicates graphite flake size up to 150 micron with average around 50 – 80 micron.

Good size for potential uncoated spherical graphite production

LELIYN GRAPHITE



| | | | |
|---------|-------------------|-----------|------------------------------|
| TALD001 | 150.45m - 150.6m | 14.6% TGC | 70 micron average flake size |
| | 153.15m - 153.25m | 12.8% TGC | 90 micron average flake size |

LELIYN GRAPHITE

Exploration Target

Strike Length **5,000m**

Width **100m**

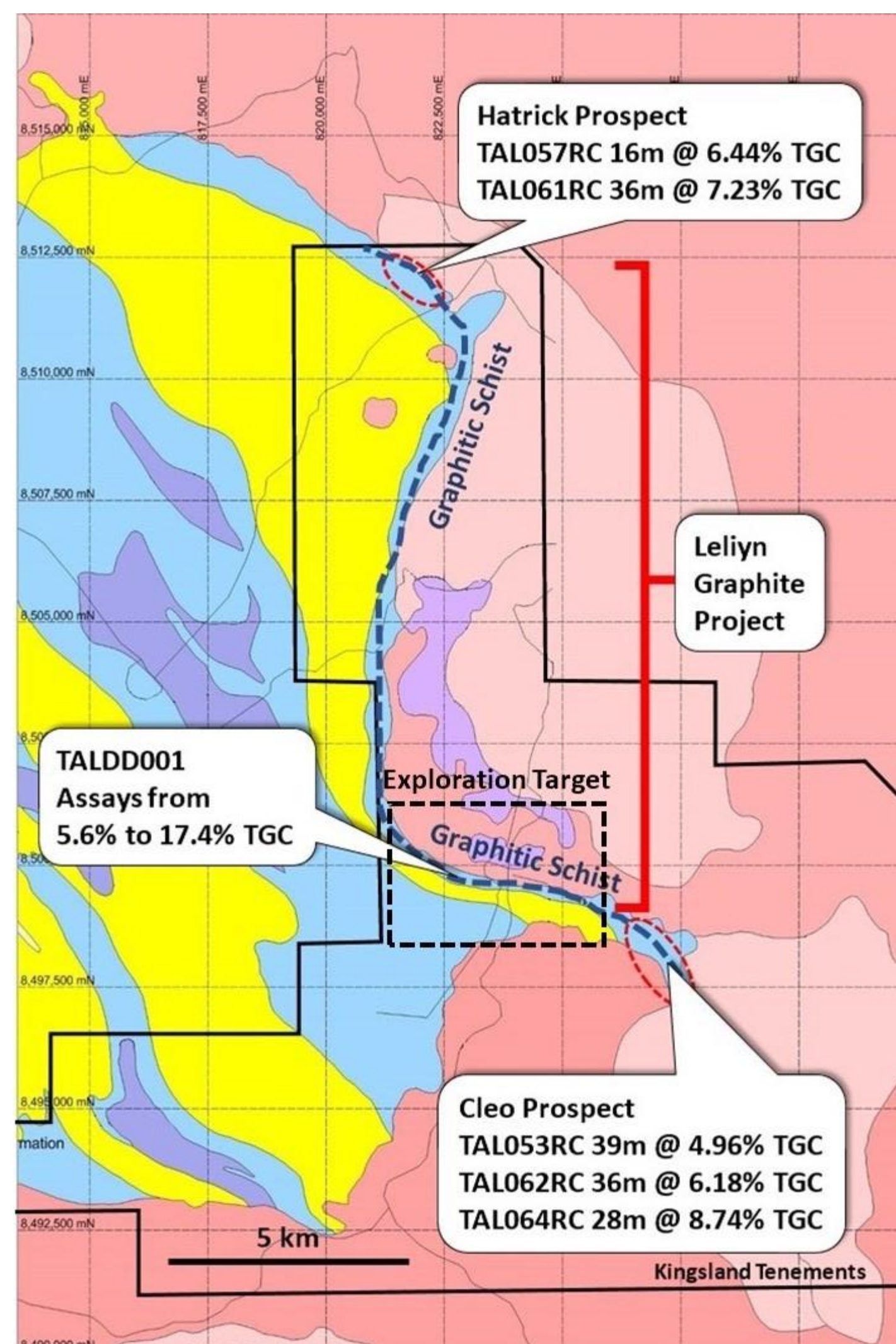
Depth **200m**

Density **2.5t/m³**

200 – 250mt @ 8 – 11% TGC

Containing 16 – 27mt Graphite

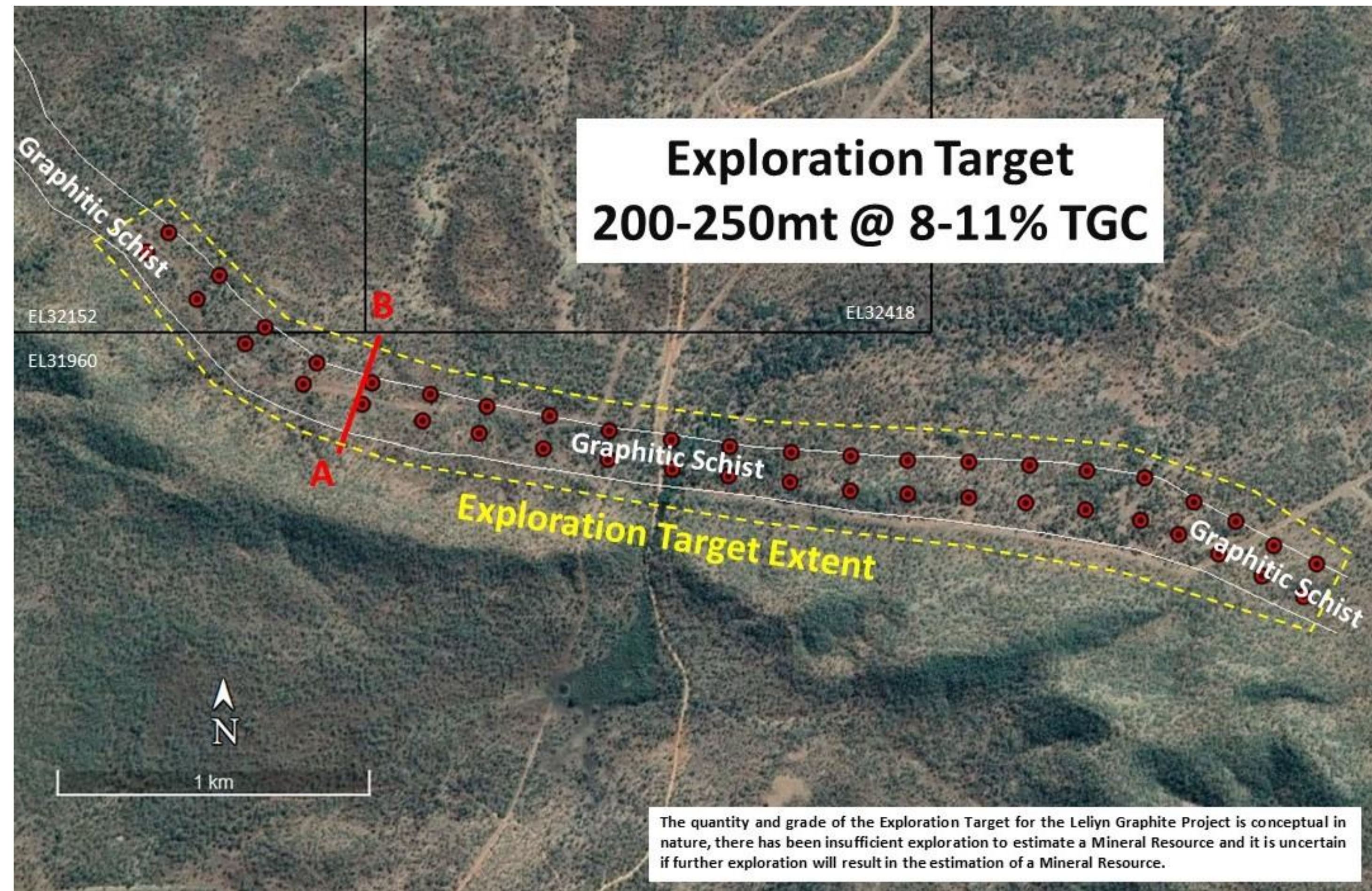
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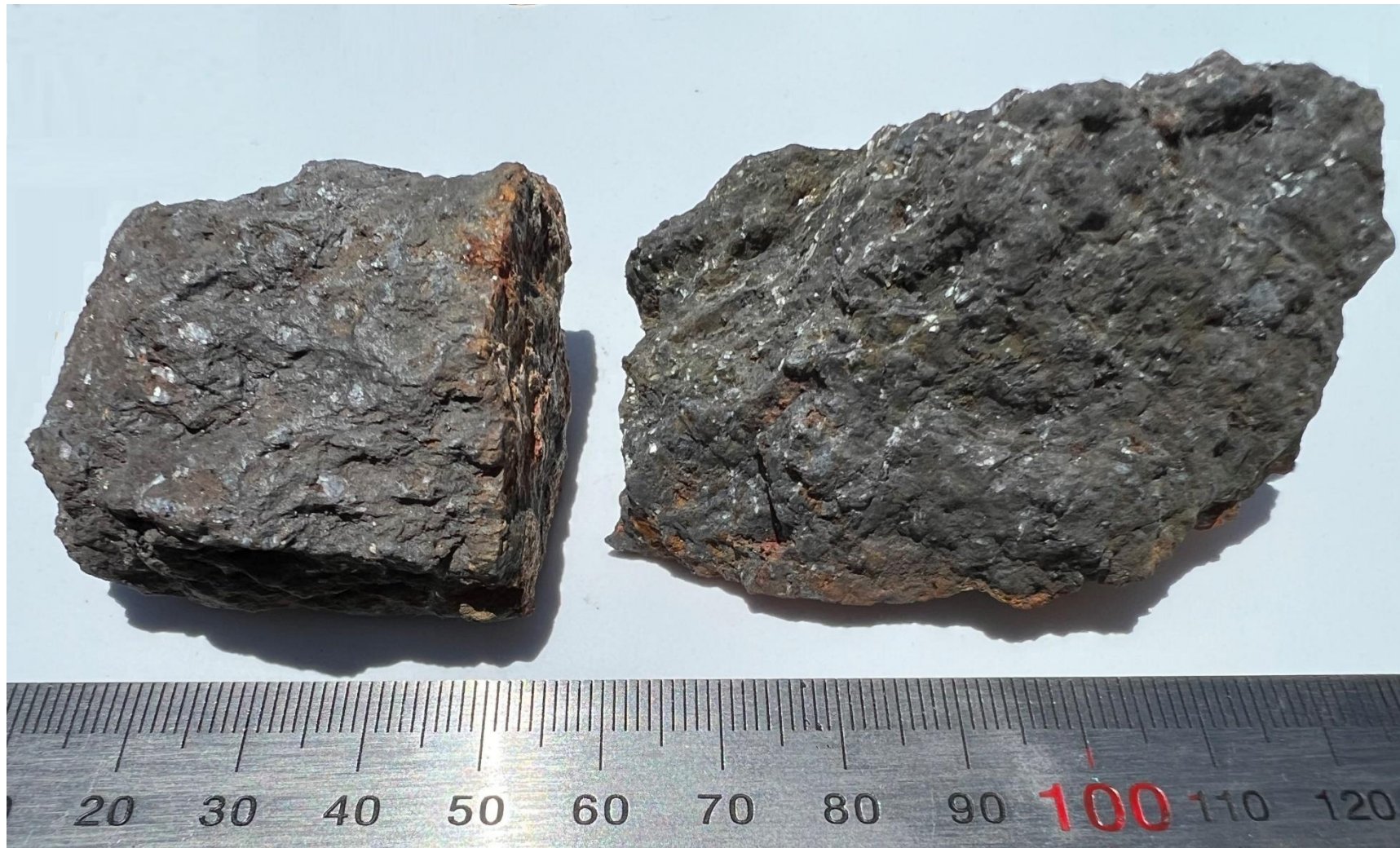
LELIYN GRAPHITE



Drilling approvals received, drilling to commence in May.
Rigs are mobilising to site



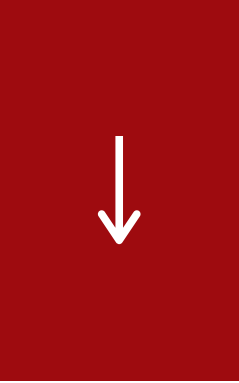
LELIYN GRAPHITE



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Outcropping Graphitic Schist



Capital Structure

Listed: June 14 2023

| | |
|--------------------------------|--------|
| Shares on issue (KNG) | 45.0m |
| Options on issue (KNGO) | 18.7m |
| Cash March 31 2023 | \$2.5m |
| Market Cap (\$0.20) May 1 2023 | \$9.0m |
| Enterprise Value | \$6.5m |



Top 20 Shareholders



Major Shareholders

| | |
|-----------------------------|-------|
| Bacchus Resources Pty Ltd | 11.2% |
| Trafalgar Resources Pty Ltd | 9.1% |
| Directors | 21.0% |





Board of Directors



Mal Randall

Chairman BAppSc (Chemistry), FAICD

- Mr Randall holds a Bachelor of Applied Chemistry Degree
- Extensive experience in corporate, management and marketing in the resource sector.
- Experience covers a diverse range of mineral activities including Base Metals and Uranium.
- Mal is currently also on the board of Ora gold, Magnetite Mines Limited, Argosy Minerals Limited and Hastings Technology Metals Limited.



Richard Maddocks

Managing Director, MSc (Mineral Economics), BAppSc (Geology), Grad Dip (Finance and Investment), FAusIMM, GAICD

- Geologist with 30+ years of mining, development and exploration experience
- Geology Manager of large gold and nickel mines
- Experienced in business development, asset identification and resource estimation



Bruno Seneque

Director, Company Secretary B Bus, CPA

- Corporate finance professional with 25 years of experience
- Focused career of 23 years in the minerals industry
- Previously director of ASX listed Kairos Minerals operating in Pilbara of WA
- Significant experience as CFO of ASX listed mineral producers
- Former director of ASX Tyranna Resources, IronClad Mining, Fox Resources.



Nick Revell

Director BAppSc (Geology)

- Geologist with 30 years mining and geology experience
- Significant experience in production and exploration of gold, base metals and uranium.
- Current director and substantial shareholder of Allup Silica Ltd.
- Former director of ASX Tyranna Resources, Orinoco Gold, Sunseeker Resources



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Competent Persons Statement

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Richard Maddocks, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr. Maddocks is an employee of Kingsland Minerals and owns securities in the company. 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.

The information regarding Exploration Results and Exploration Target for the Leliyn Project is extracted from the reports entitled 'Significant Graphite Discovery' created on February 1, 2023 and 'Graphite Exploration Target' created on March 21, 2023 and available to view on www.kingslandminerals.com.au. The company 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 or Ore Reserves, 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 announcement.