



ASX: SYA

## **Investor Presentation - Entering the Resource Definition Phase**

*Sourcing the raw materials of the future*

# The green energy revolution is underway



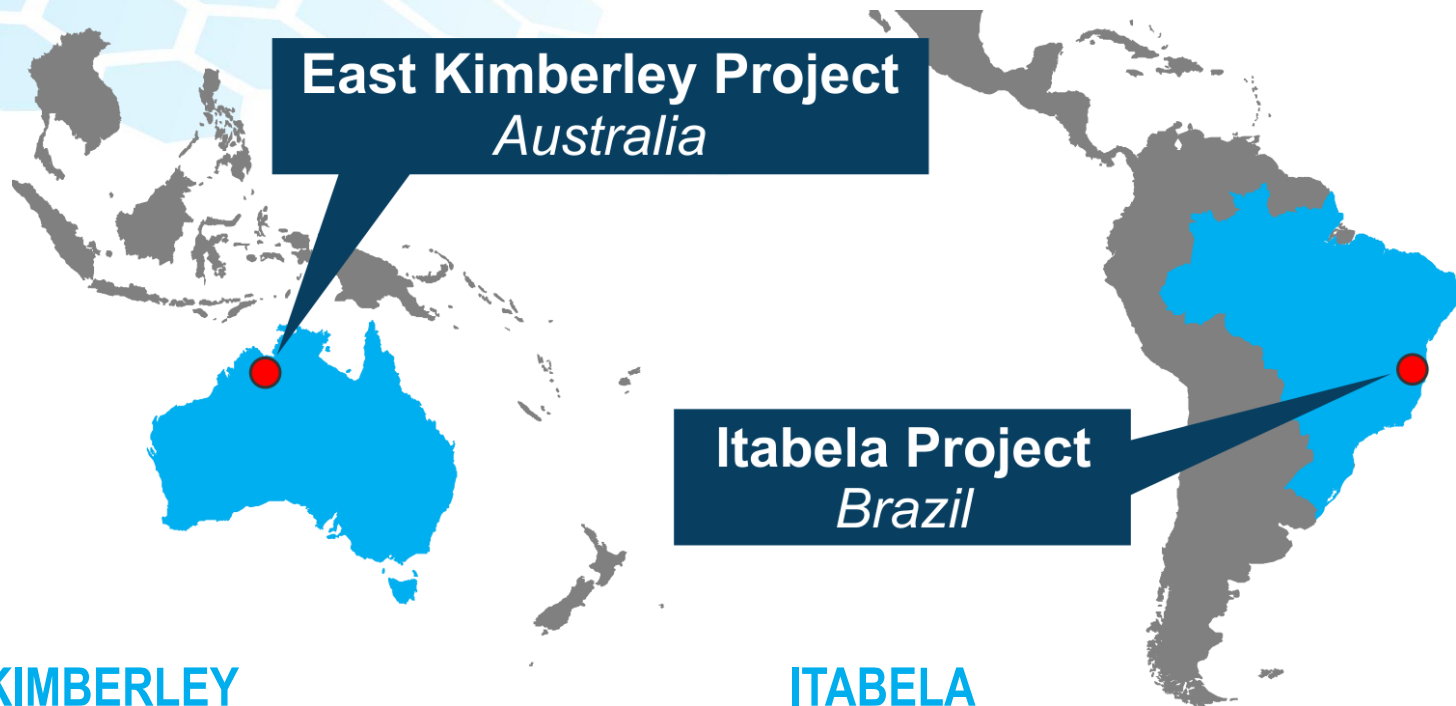
**....creating demand for graphite, lithium  
and cobalt for use in batteries**



## **Sayona's strategy**

Source and **develop high purity flake graphite** for use in the rapidly growing, green technology sectors

# Two development projects



## EAST KIMBERLEY

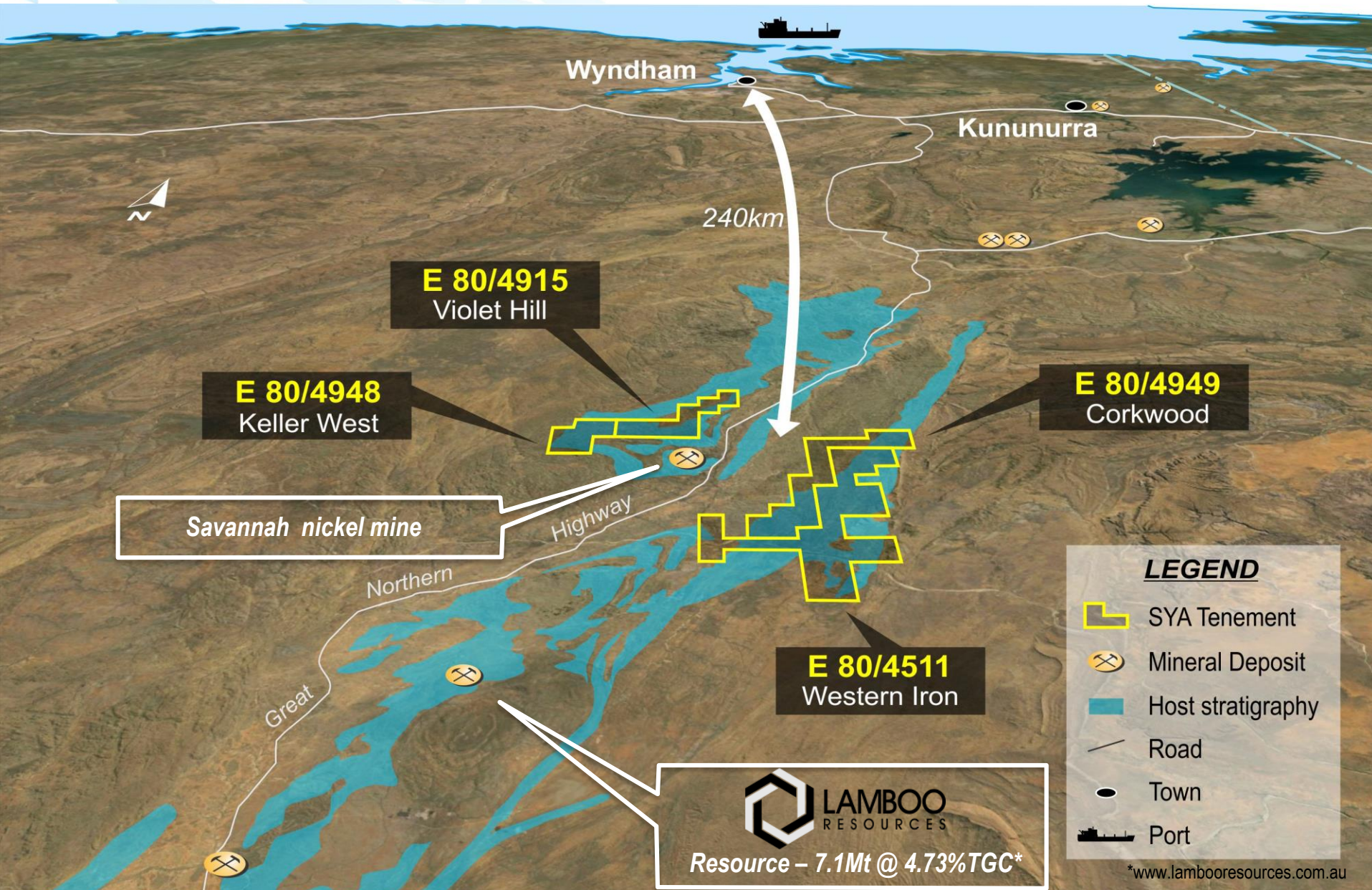
- 278 km<sup>2</sup> tenement package
- Located in a proven large flake graphite province
- Excellent infrastructure
- Drilled completed Dec 2015
- Drilling results pending

## ITABELA

- 133 km<sup>2</sup> tenement package
- Located in world's second largest graphite producing region
- High-purity large flake graphite
- Excellent infrastructure
- Drilling to commence Feb 2016

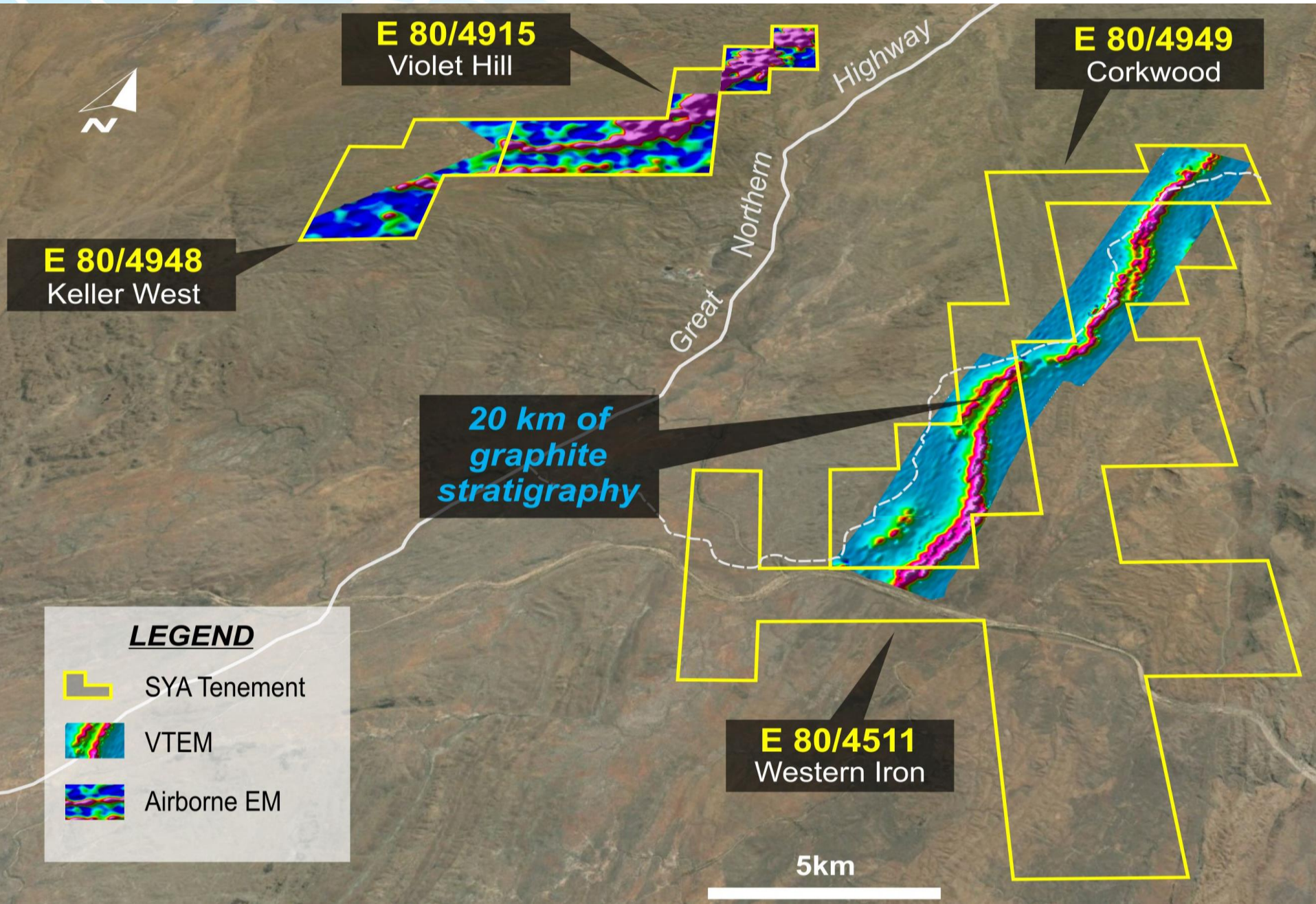


# East Kimberley Project



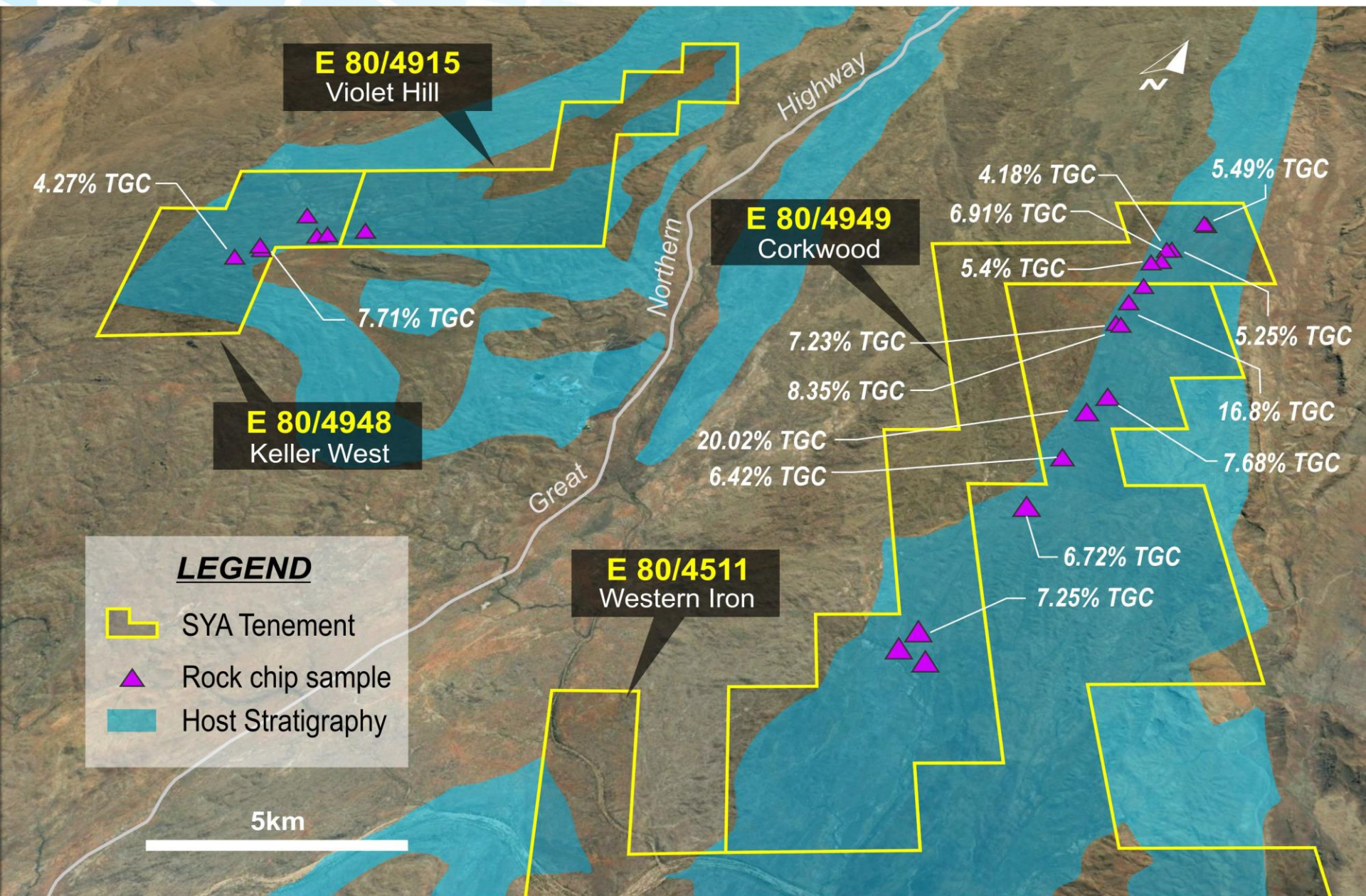


# Geophysics highlights 20km structure



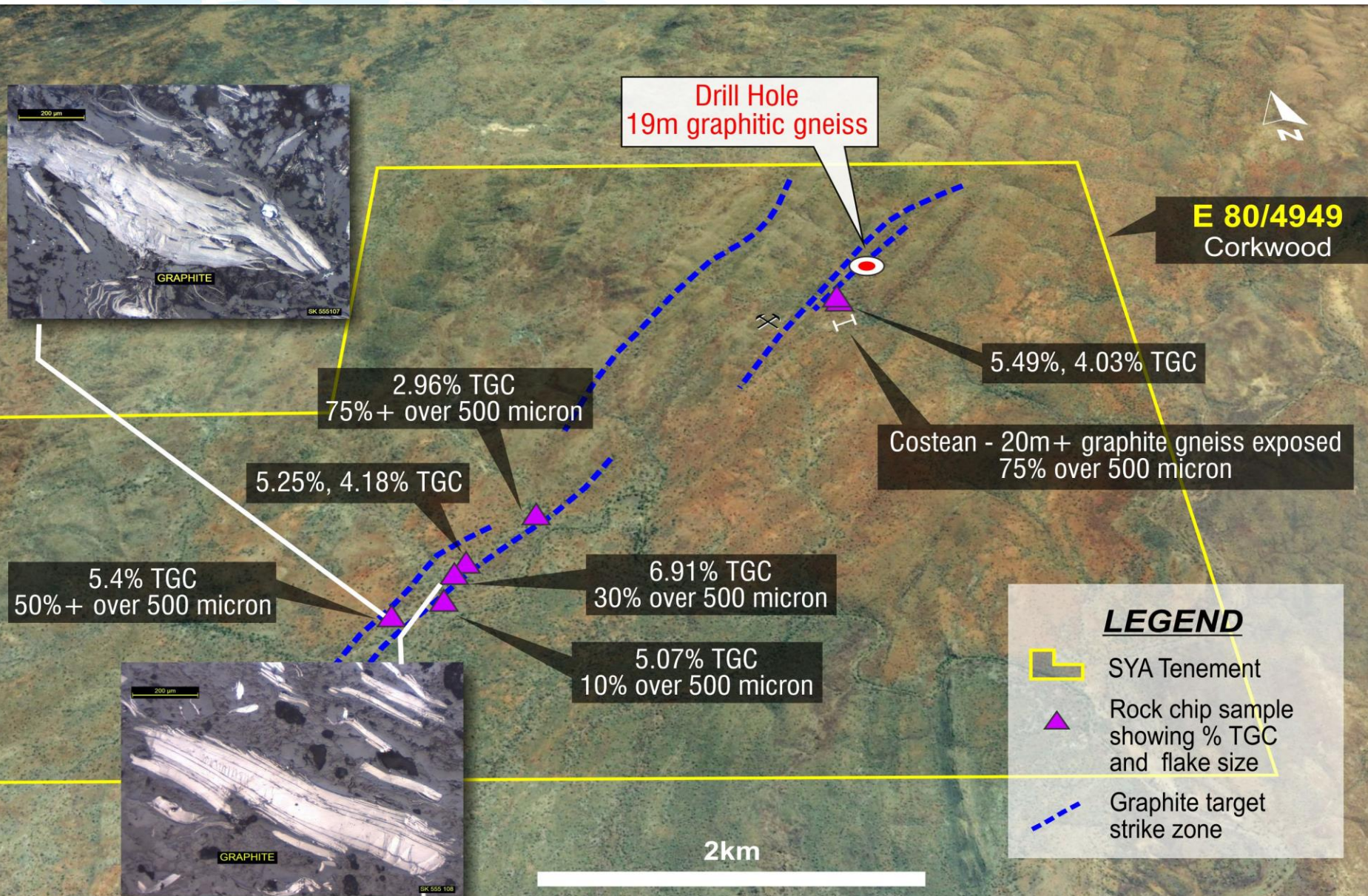


# Corkwood - a major new graphite discovery





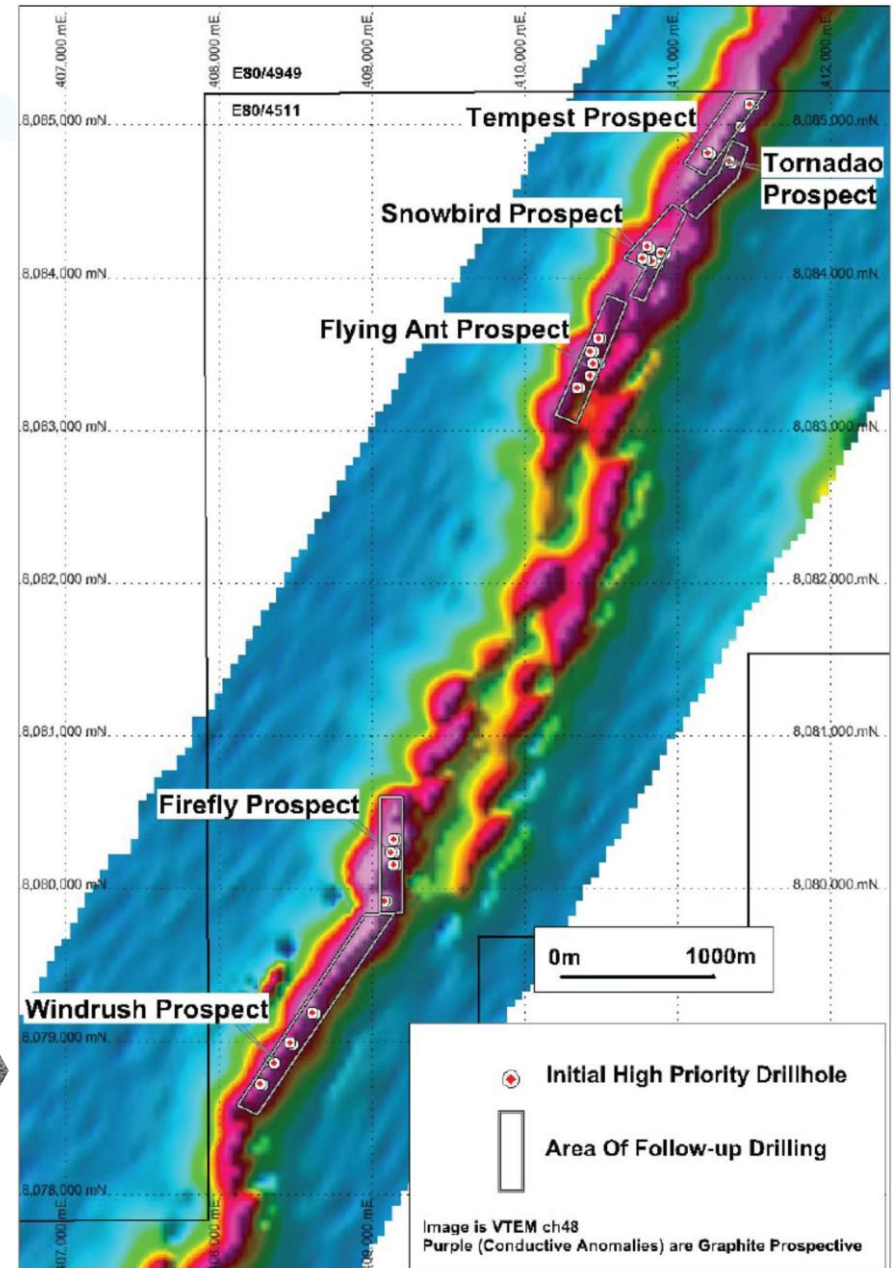
# Jumbo and large flake size demonstrated



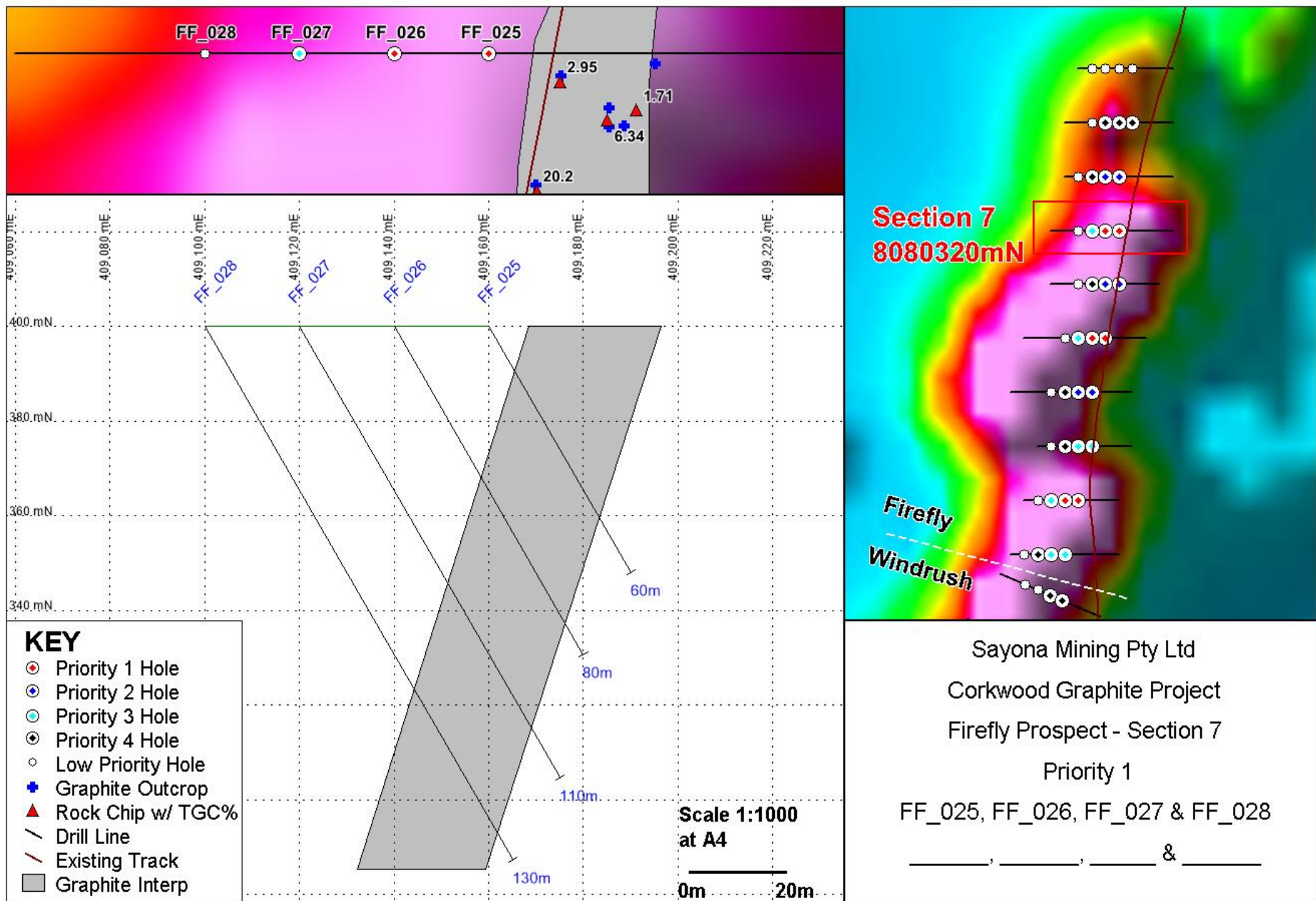


# East Kimberley Drilling – Dec 2015

3,000m of drilling  
completed – assays  
pending – at six prospects



# East Kimberley Drilling – typical cross section





# Regional infrastructure



**240 km** from Wyndham Port

**Regional mining services** centres

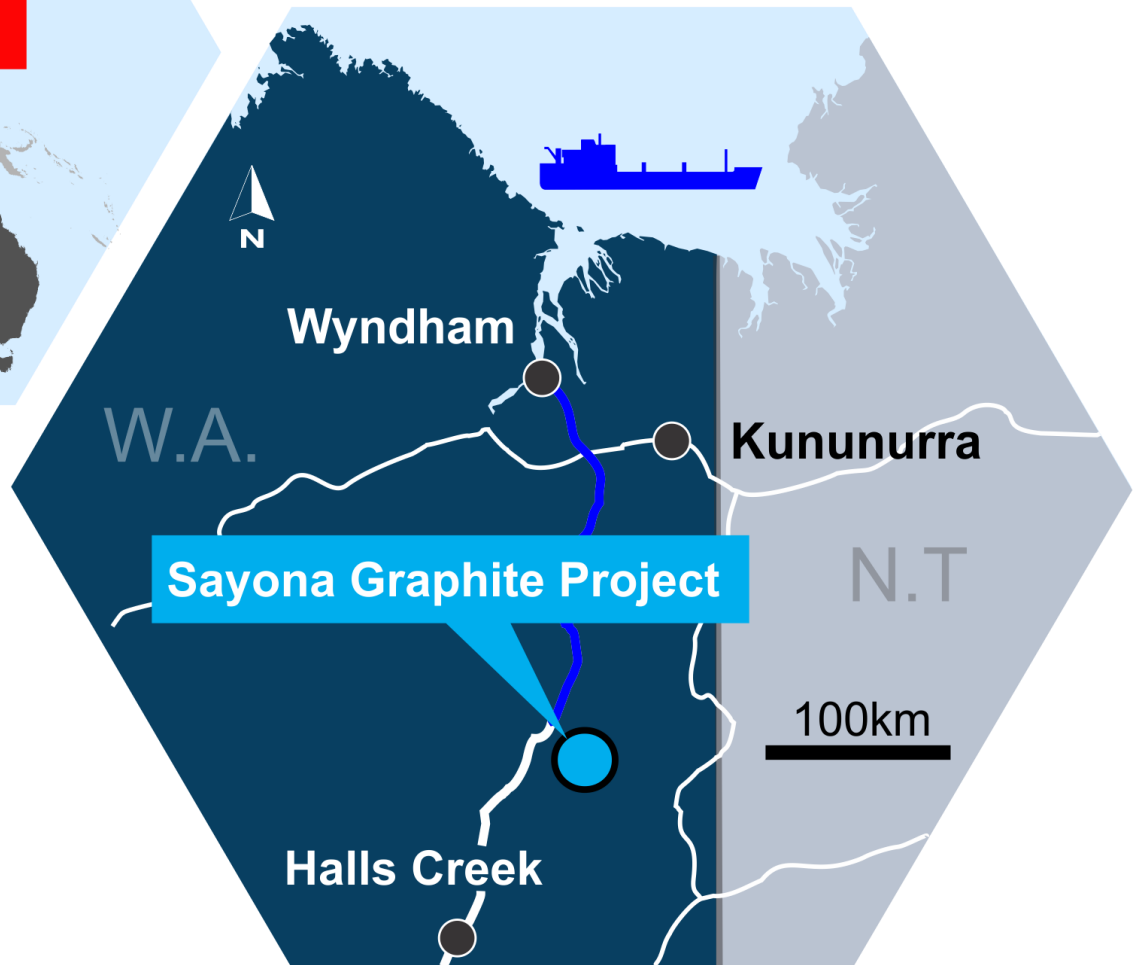
High quality **sealed roads**

Local **skilled** workforce



Savanah nickel mine and **12MW power station**

# CLOSE TO ASIAN MARKETS





# Targeting a JORC Resource in 2016

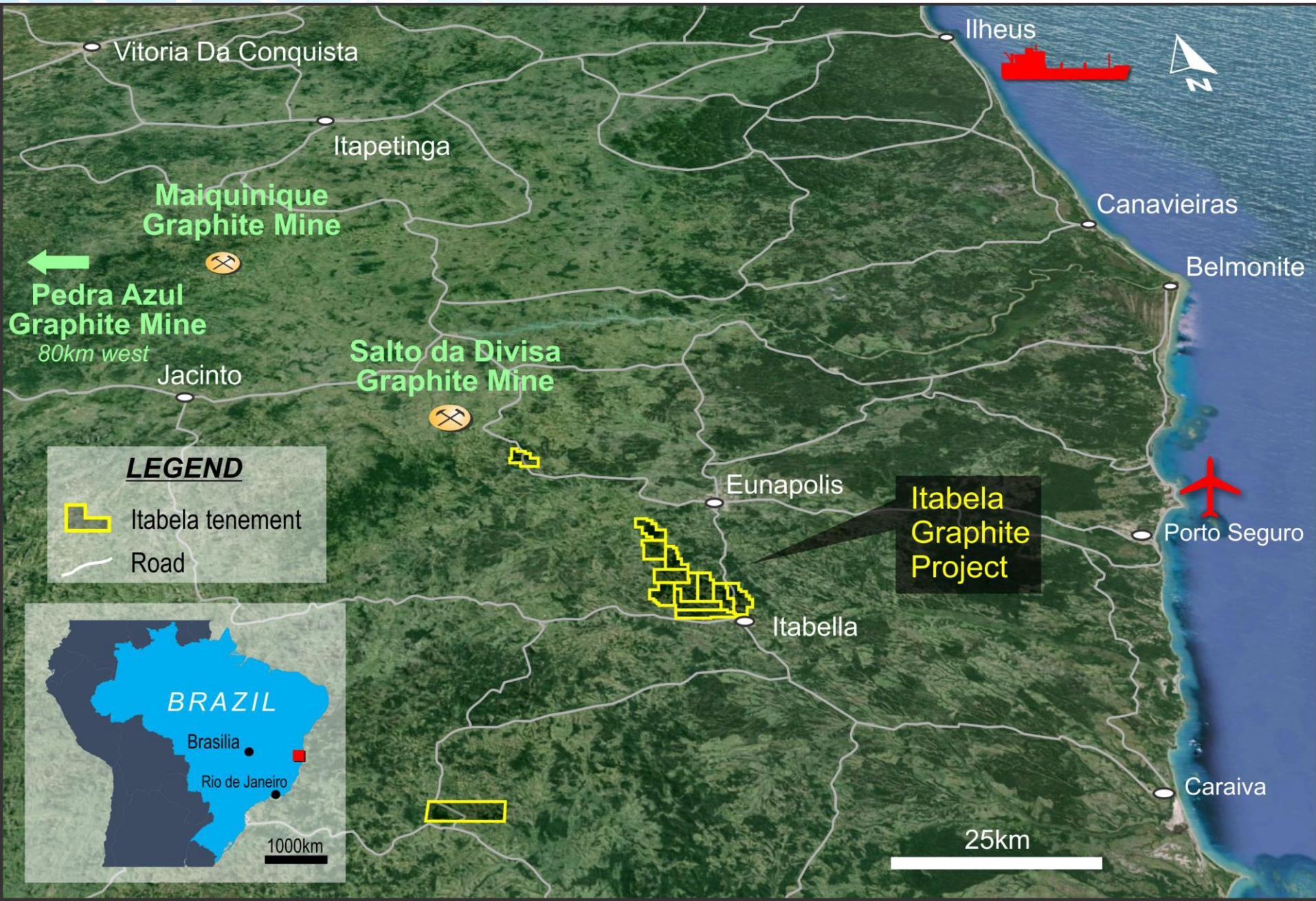


- ☒ Tenement package secured
  - ☒ Surface mapping & sampling
  - ☒ Flake chemistry analysis
- 

- ☒ Native Title / Environmental
- ☒ Geophysics
- ☒ Drilling
- ☐ Metallurgy
- ☐ Off-take partner / agreements
- ☐ JORC



# Itabela – strategically located in Brazil





# **Brazil is a major producer of graphite**

**2<sup>nd</sup>** **LARGEST GRAPHITE PRODUCING  
REGION IN THE WORLD**

**3** **OPERATING GRAPHITE MINES**

**70** **YEARS OF CONTINUOUS  
PRODUCTION**

# Itabela's natural ore advantage

Ore is **brittle** and **friable**

**Low %** of graphite fines

**Large flake** graphite



Low cost mining



Simple flotation  
process flowsheet



Located close to  
domestic markets



Close to US and  
European export  
markets



# Superior quality graphite

Flake Size	Mesh Size	Microns	Distribution	% Cg
Super Jumbo	30#	>500	4%	95%
Jumbo	50#	>300	32%	95%
Large	80#	>180	27%	97%
Medium	140#	>106	17%	97%
Fine	-140#	<106	20%	97%

**31,000 kilograms**  
of pilot scale test work

# The large flake advantage

Flake Size	Graphite Size (μ)	Distribution	Indicative Price (US\$/tonne)	Value (US\$/tonne)
Super Jumbo	>500	4%	2,500	100
Jumbo	>300	32%	2,000	640
Large	>180	27%	1,500	405
Medium	>106	17%	1,100	187
Fine	<106	20%	750	150
Weighted basket price				\$1,482

Less low operating costs

**\$XX**

**=**

**PROFIT**

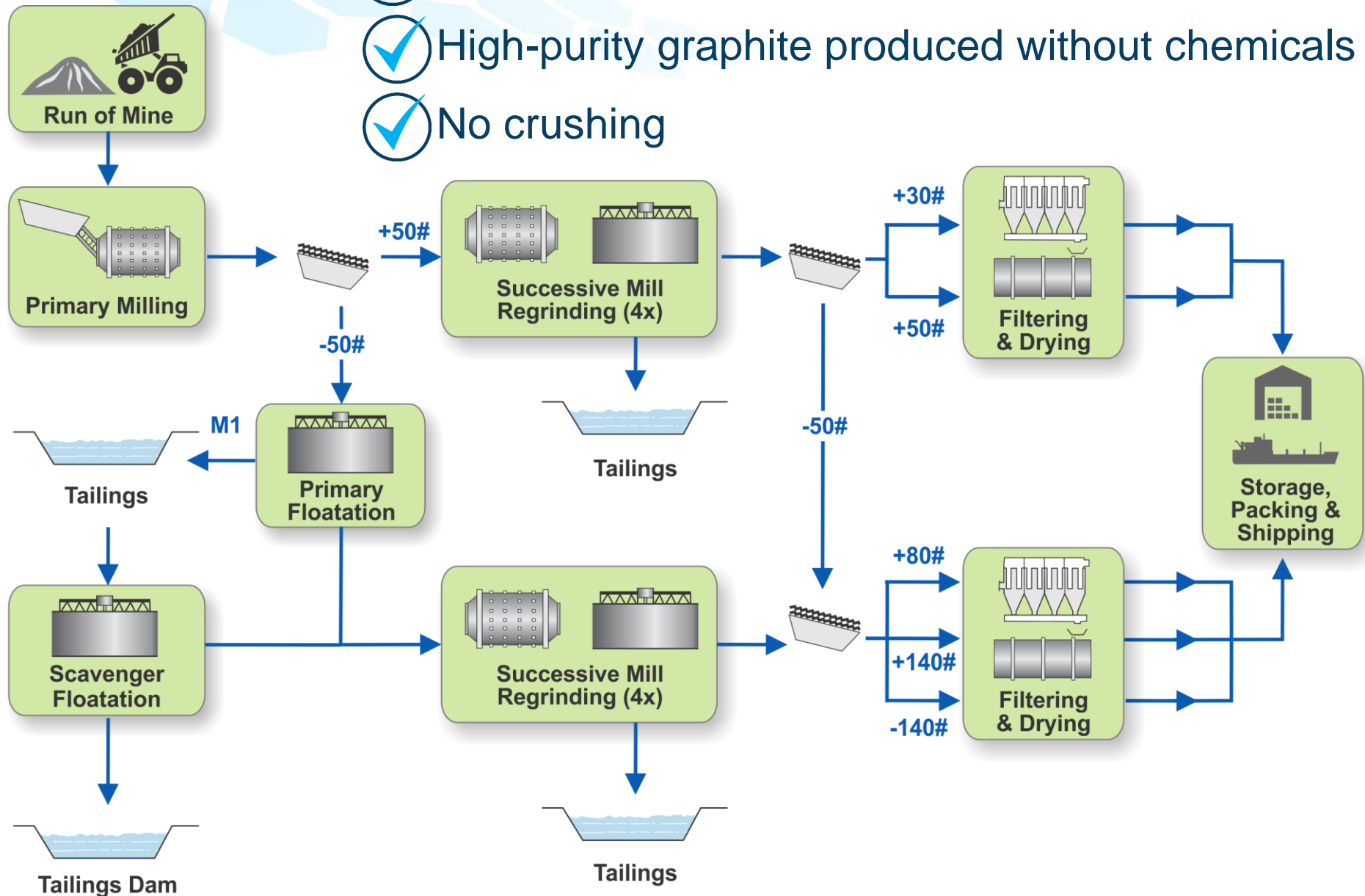


**10% more jumbo and large flake** graphite can be produced at a min. 93% Cg concentrate



# Simple process flow sheet

- ✓ Flakes liberated without excessive grinding
- ✓ High-purity graphite produced without chemicals
- ✓ No crushing





# Well established infrastructure

**Porto Seguro  
Airport**



**Gas**



**Itabela township**



**Power**



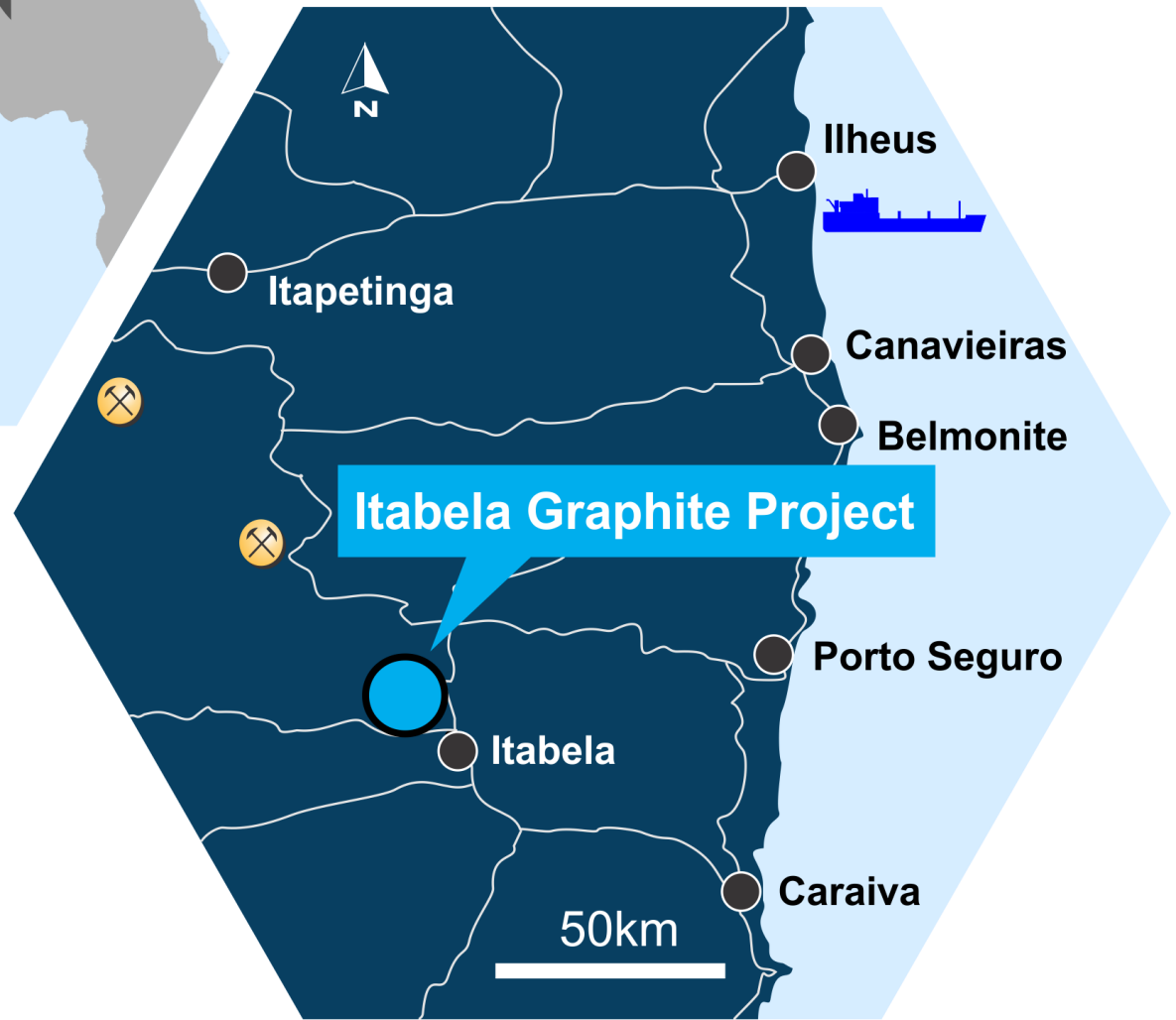
**Water**



**Support services**



# CLOSE TO USA & EUROPEAN MARKETS





# Itabela – positive project economics



**Shallow  
Pit**



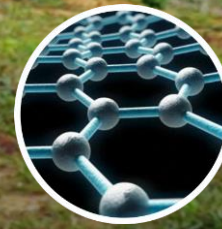
**Simple  
Process**



**Low  
Cost**



**Large  
Flake**



**High  
Purity**



**Good  
Infrastructure**



# Itabela's next steps

Drilling to  
commence  
February 2016

- ☒ Option to purchase secured \*
  - ☒ Flake size
  - ☒ Purity
- 

- ☒ Drilling
- ☐ JORC Resource
- ☐ Scoping Study
- ☐ Feasibility
- ☐ Offtake
- ☐ Construction





# Corporate snapshot

## TRADING EXCHANGE

**ASX: SYA/SYAO**

## SHARES/OPTIONS

**517** Million shares

**110** Million options

## SHAREHOLDERS

DIRECTORS **44%**

TOP 20 **74%**

## CAPITALISATION

Price **1.9¢**

\*as at close 19 Jan 2016

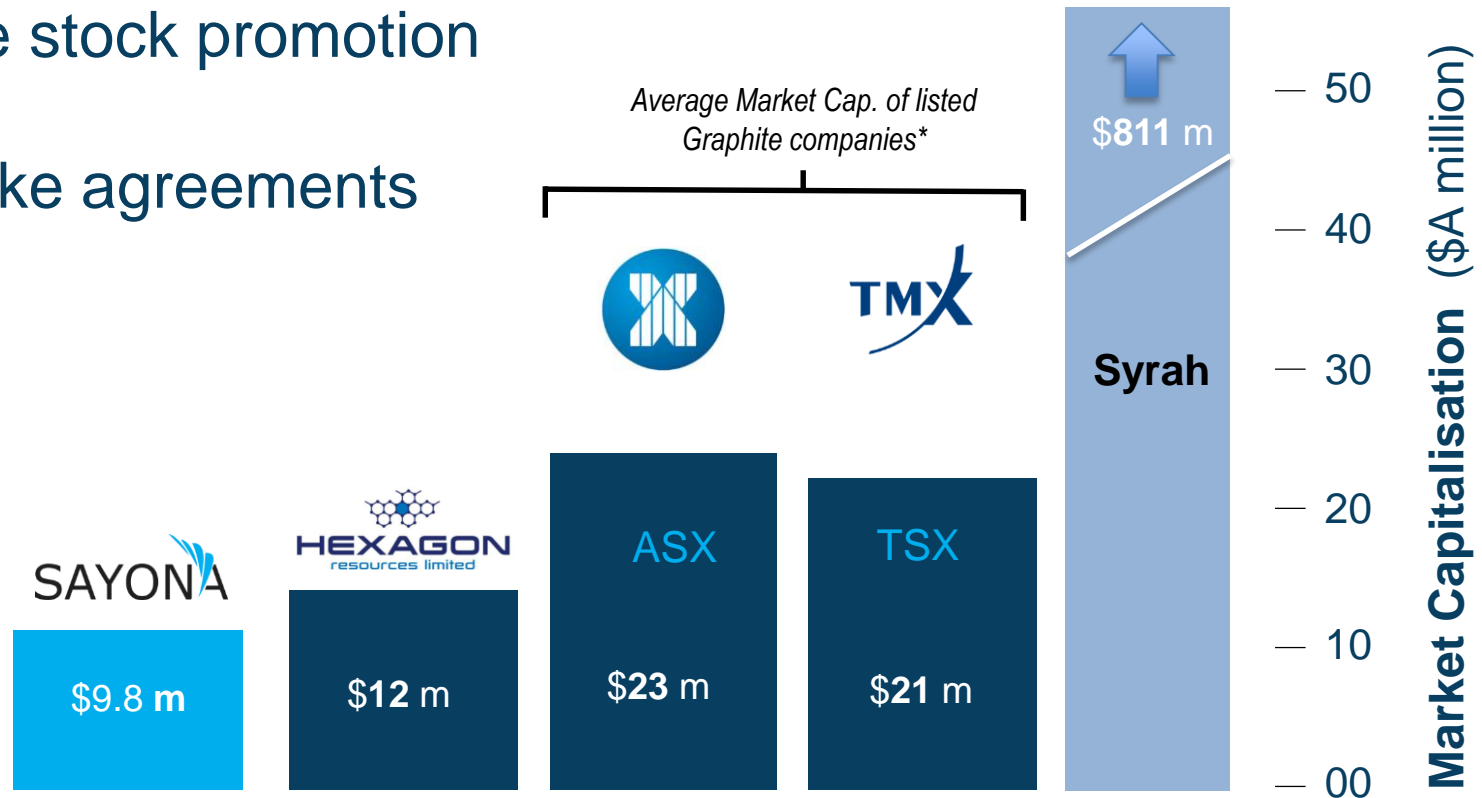
Market cap **\$9.8M**

Cash **\$1.46M**

As at Dec 2015

# Share price drivers

- ✓ East Kimberley assay results
- ✓ Drilling and resource definition phase at Itabela
- ✓ Active stock promotion
- ✓ Off-take agreements





# SYA value proposition

Targeting proven, **large flake, high purity graphite districts** – suitable for use in new green technology sectors



Projects in close **proximity to target** technology markets

**Low enterprise value** compared to industry peers



Projects located in **established mining jurisdictions** with stable taxes and royalties

Major shareholders and **Board have strong track** record of successful investments



Well established mining districts with **excellent infrastructure** to support low costs

# Strong team with track record of success

## Dan O'Neill

Managing Director

- 35 years of resources industry experience
- Geologist with significant project development and public company experience
- Founding director of lithium company, Orocobre Ltd

## Corey Nolan

Chief Executive Officer

- 23 years of resources industry experience
- Strong combination of corporate and capital markets experience
- Previously Managing Director of South American focused exploration company, Elementos Limited

## Paul Crawford

Executive Director

- 35 years of resources industry experience
- CPA and previously Company Secretary of companies including Orocobre Ltd (founding director), Elementos Ltd and ActivEx Ltd

## James Brown

Non-Executive Director

- 35 years of operating experience in the resources sector
- Significant coal development and operating experience including 22 years with New Hope Corporation
- Managing Director of ASX listed lithium development company, Altura Mining Ltd

## Allan Buckler

Non-Executive Director

- 40 years of development and operating experience in the resources sector
- Built large-scale mining operations in Australia and Indonesia
- Former director and chief operations officer for New Hope Corporation



# Disclaimer

## COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Mr Simon Attwell, a Competent Person, and who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Attwell is an employee of Attgold Pty Ltd (“Attgold”) which provides geological services to Sayona. Attgold is a financial beneficiary if Sayona exercises its option to purchase agreement over the East Kimberley Graphite project.

Mr Attwell 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’. Mr Attwell consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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