



**ASX:CR3**  
[coreenergyminerals.com.au](http://coreenergyminerals.com.au)

## Developing a Highly Prospective Energy Minerals Portfolio in World Class Locations

High potential  
asset portfolio  
in safe, stable  
jurisdictions

Phased exploration  
program across  
Uranium and  
critical minerals

Leadership  
experienced in  
discovery and realising  
shareholder value

Investor Presentation | June 2025



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## Cautionary Note relating to historic exploration results

Exploration Results herein have been previously reported by the previous explorers as noted in the highlighted footnotes;

- Some historic exploration was undertaken and reported in the mid 1970s prior to the adoption of the JORC code and between 2010-2014 as such some of these results may not conform to the requirements in the JORC Code 2012;
- Core Energy is unable to determine the accuracy of all drilling results from the 1970s, however Core Energy is of the opinion that drilling undertaken by Areva Exploration PL between 2012 -2014 should be reliable under current standards. Historical 1970s reports list some details of drilling type including RC mud drill hole; however no details of hole survey location, sampling or analytical methodology are mentioned. Reports do indicate that detailed geological logging of drill cuttings was undertaken;
- Exploration programmes noted in historic records include: reconnaissance drilling by Endeavour Oil Co. NL in the early 1970s and Le Nickel (Aust) Exploration Pty Ltd in 1972, follow-up drilling by Uranerz (Australia) PL in 1976, and Mud Rotary drilling and ground-based gravity surveys by Areva Exploration PL between 2010-2014;
- Core Energy has not identified any additional exploration results or data relevant to understanding these Exploration Results;
- Core Energy will complete several twin aircore drillholes and detailed analytical testwork on samples collected through independent contractors and laboratories to, where possible validate the historic results noted above, detailed hole location surveys will be completed for new holes undertaken by Core Energy and any historic drill collars should they be identified in the field. All new activities undertaken by Core Energy will be reported in accordance with the JORC Code 2012.
- Core Energy will undertake the proposed exploration work within the first half of 2025. The Company is fully funded to undertake these exploration activities;
- Core Energy cautions that these reported Exploration Results:
  - the Exploration Results have not been reported in accordance with the JORC Code 2012;
  - a Competent Person has not done sufficient work to disclose the Exploration Results in accordance with the JORC Code 2012;
  - it is possible that following further evaluation and/or exploration work that the confidence in the prior reported Exploration Results may be reduced when reported under the JORC Code 2012;
  - nothing has come to the attention of the acquirer that causes it to question the accuracy or reliability of the former owner's Exploration Results; but
- Core Energy has not independently validated the former owner's Exploration Results and therefore is not to be regarded as reporting, adopting or endorsing those results.

# Developing a Highly Prospective Critical Minerals Portfolio



## High potential asset portfolio

Uranium and critical minerals located in safe, stable jurisdictions of Australia and Brazil



## Phased exploration across Uranium and critical minerals

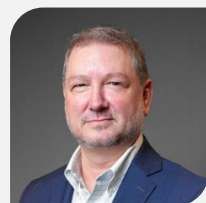
Based on early exploration success and analysis of historic drilling



## Leadership experienced in the discovery of world class mineral deposits

And realising shareholder value

# Board with Track Record of Creating Shareholder Value



**Tony Greenaway**  
Executive Director

Senior geologist with +30 years international mining and exploration experience in Australia, Brazil, Chile, Argentina, southern Africa.

Extensive experience across exploration, development and production of copper, gold, PGE, iron-ore and lithium projects, including most recently rapidly de-risking the world class Salinas Lithium Deposit for Latin Resources (ASX:LRS) from discovery through to the Company's sale for circa \$600m.



**Chris Gale**  
Non-Executive Chairman

25-year career in commercial and financial roles in public and private companies, and a track record of commercial outcomes with the sale of Latin Resources (ASX:LRS) to Pilbara Minerals (ASX:PLS) for circa \$600m.



**David Vilensky**  
Non-Executive Director

Practicing corporate lawyer and experienced listed company director.  
+35 years' experience in corporate and business law and in commercial and corporate management.



**Christopher Wiener**  
Non-Executive Director

Chartered Accountant and Portfolio Manager at Norfolk Capital Management. Experienced in corporate finance, equity capital markets and corporate advisory services to small and mid-cap listed resource and industrial companies.



**Charles Nesbitt**  
Exploration Manager

Experienced uranium geologist with over 25 years of extensive experience in the uranium industry, having worked at all of Australia's operating and formerly operating uranium mines, and has also worked across a number of different projects and commodities in undeveloped soft and hard rock uranium deposits and exploration projects throughout Australia and US.

## Capital Structure\*

ASX Code **CR3**

Shares on Issue **394.9m**

Share Price **\$0.012**

Market Capitalisation **\$4.7m**

Cash & Available Funding **\$1.7m**

Top 20 Shareholders **46%**

\*Proforma as of March 2025

# Significant Global Demand for Nuclear Energy

- Nuclear energy is essential in meeting climate change targets for its carbon-free base load capacity
- Nuclear energy ranks as the world's second-largest clean energy source
- 31 countries have pledged to triple nuclear power capacity by 2050 (incl. US, Canada, the UK and France)

## Global Reactor Count



**439** Operable reactors



**66** Reactors under construction



**432** Reactors planned/ proposed

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**937 Total Reactors**

## Uranium Supply Requirement

**67,517 tU** required  
(49,355 tU produced, 2024)

**~10,164 tU** additional requirement

**~66,432 tU** additional requirement

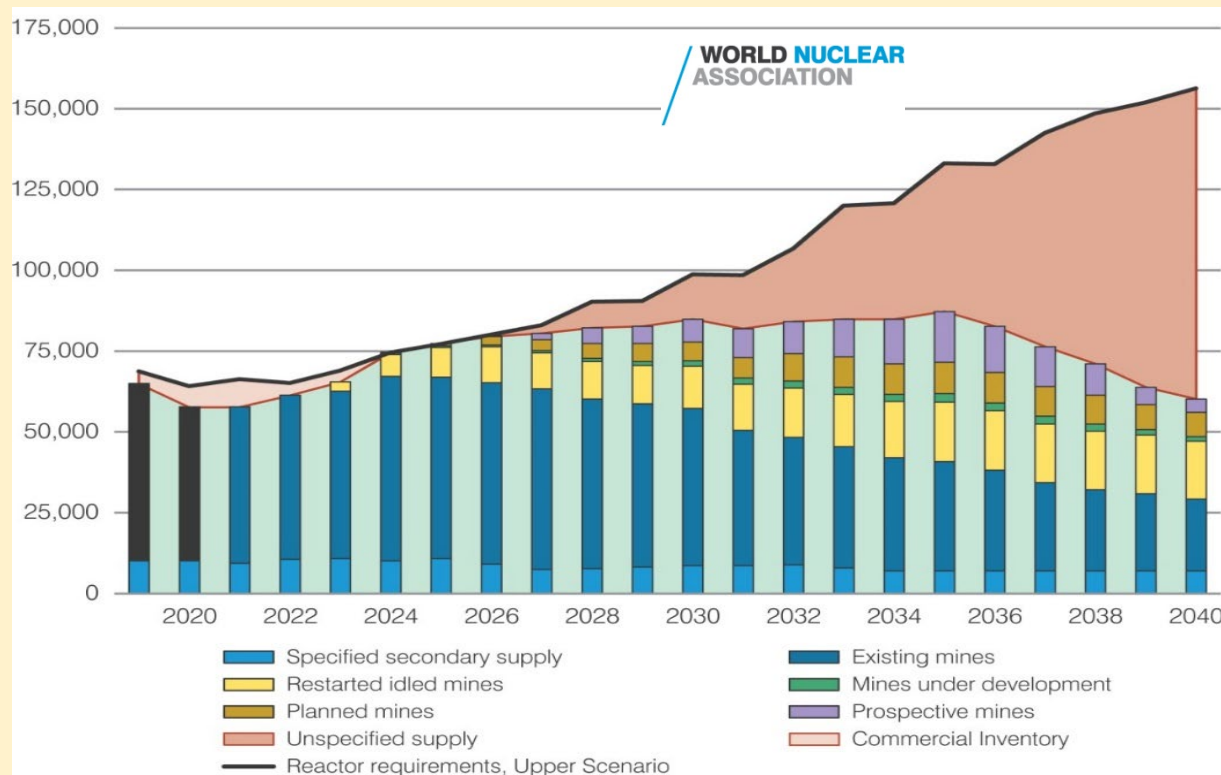
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**~144,000 tU** additional requirement

# Where is the supply coming from?

- **Structural Deficit:** to meet the needs of global reactors, a shortfall between mining output and reactor demands is anticipated
- **Result:** Term Price reaching an all time high of A\$118/lb

## Upper Scenario for Uranium Supply and Demand, tU



## Uranium Supply/ Demand Scenarios (U Mlb pa)

| Year | Demand | Mining Supply |
|------|--------|---------------|
| 2025 | 180    | 150           |
| 2040 | 300    | 290           |
| 2060 | 500    | All           |
| 2100 | 800    | All           |

# Projects in World Class Locations

## Brazil

Uranium & Rare Earth Projects  
~880km<sup>2</sup> tenure

Amorinópolis

São José

Grande

Tunas

## Australia

Uranium Projects  
successful prior exploration

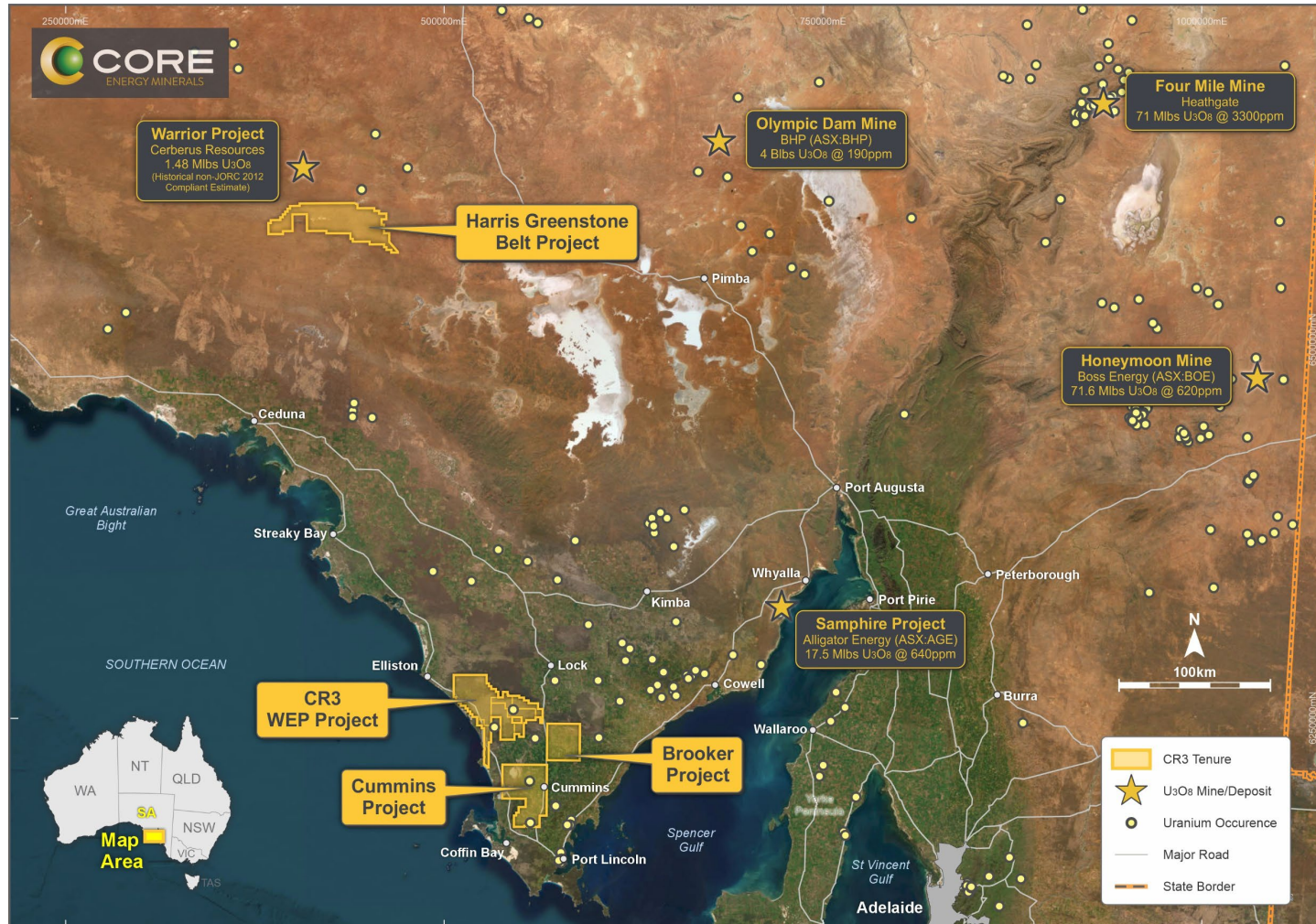
Harris Greenstone

Brooker

Cummins

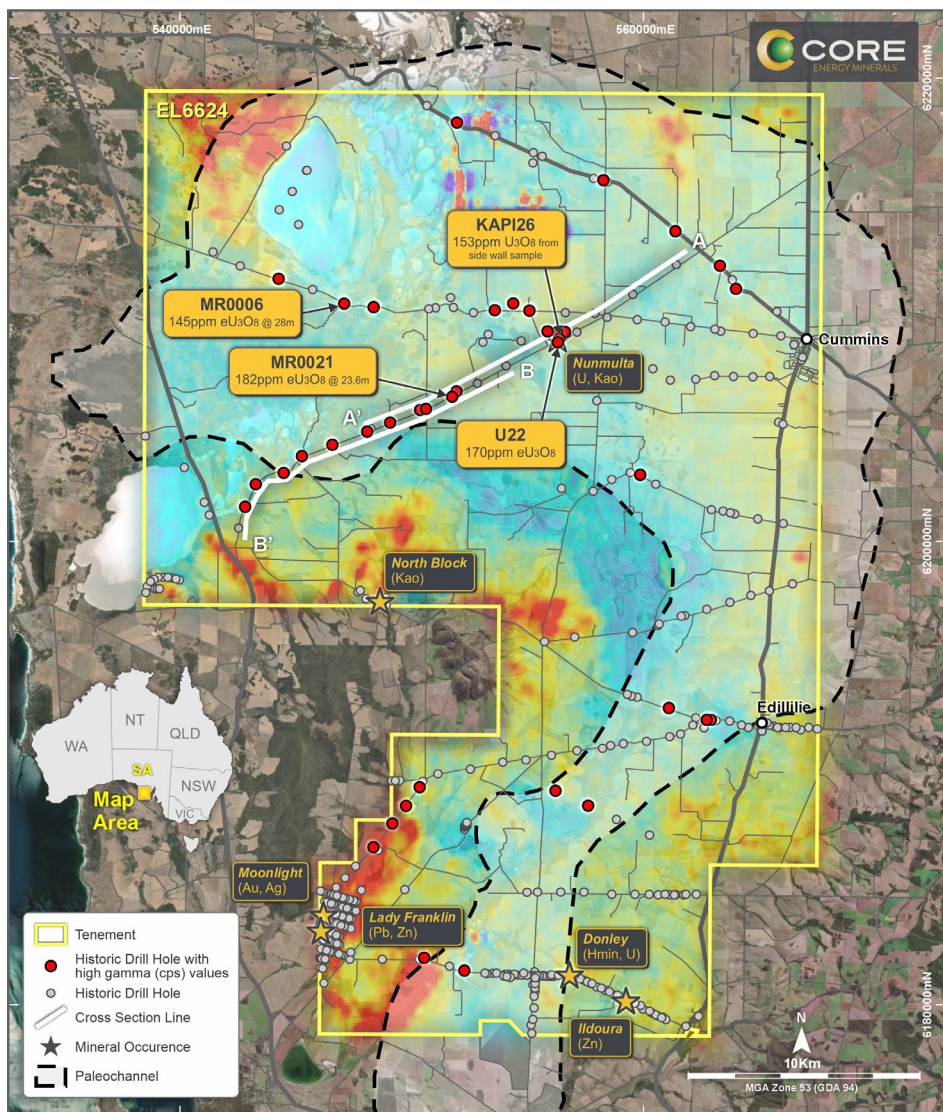
Eyre Peninsula

# South Australian Projects



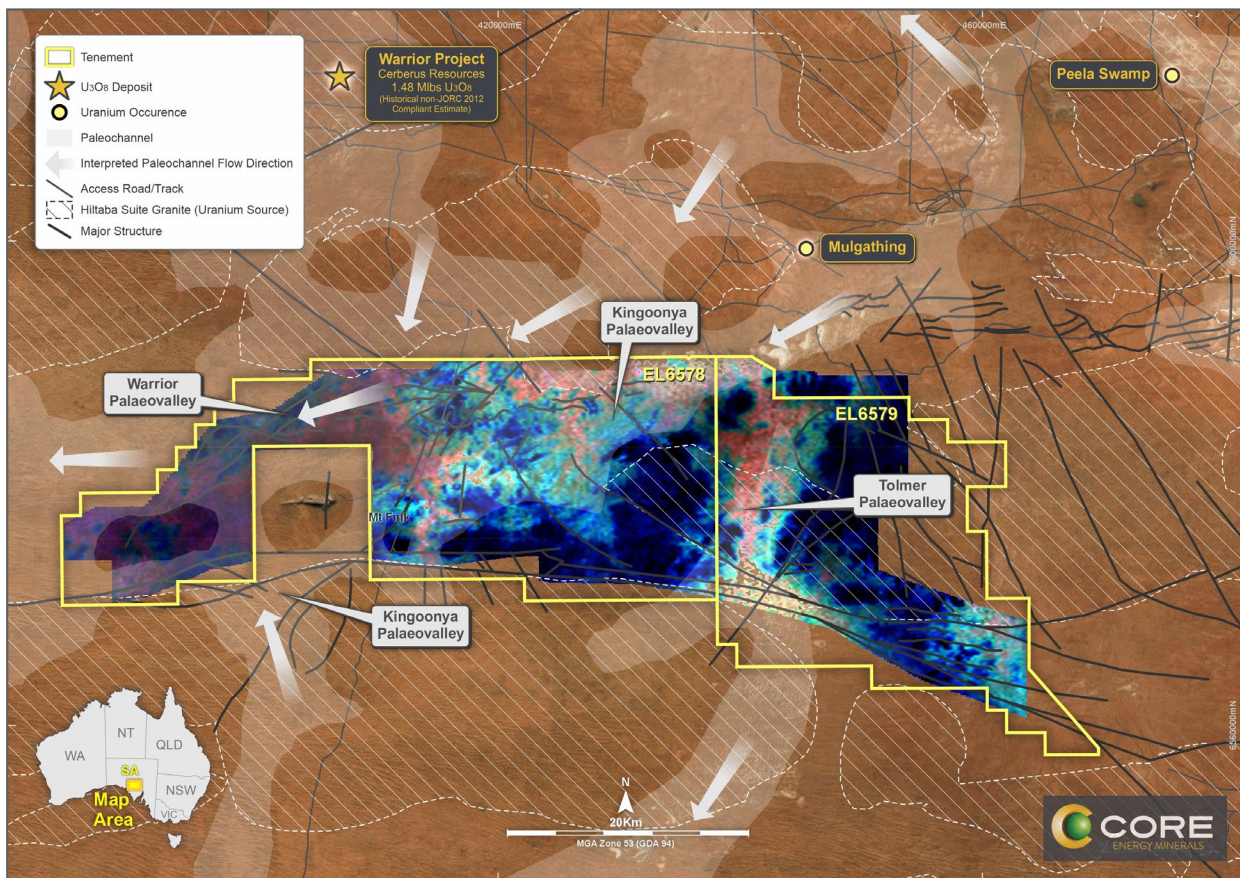
- South Australian tenure of combined 4,856km<sup>2</sup> in a uranium friendly jurisdiction.
- SA is home to several major uranium deposits:
  - Olympic Dam** (BHP ASX:BHP)
  - Honeymoon Project** (Boss Energy ASX:BOE, market cap > \$1bn)
  - Samphire Uranium Project** (Alligator Energy ASX:AGE, market cap ~\$150m).
- Historic exploration has proven the **projects are highly prospective for uranium mineralisation**, with drill ready targets identified.

# Cummins Project – Drilling Commenced



- **Drilling has commenced** at the Company's highly prospective Cummins Uranium Project.
- Tenure of 952km<sup>2</sup> the **Eyre Peninsula** - one of the highest radiometric provinces in South Australia with proven **Uranium potential** – host to Alligator Energy's Samphire Uranium Deposit (ASX:AGE)
- **Mineralisation shows two high quality target horizons** within the extensive, defined palaeochannel system showing signs of near surface uranium mineralisation.
- Program will comprise **a preliminary 50 aircore drill holes for approximately 3000m**, with the ability to extend the **drill program to 120 drill holes under the approved permit**.
- The drill program follows up on historical regional drilling whereby a large paleochannel system was identified with anomalous uranium mineralisation<sup>1</sup> **over a distance of greater than 10km**
- **Drilling is expected to take approx. 2-3 weeks** with first batch of assays expected approx. 8 weeks from the first submission.

# Harris Greenstone Project



- Tenure of 1,350km<sup>2</sup> which **contains untested, well-defined palaeochannels surrounded by Hiltaba Suite Granite, a well-known source for uranium.**
- Adjacent uranium deposits and occurrences **indicate that the palaeochannel system is mineralised.**
- High quality regional geophysical data set acquired (VTEM, Magnetics, Radiometrics) - **high priority targets immediately identifiable.**
- Also prospective for Ni, Cu, REE, and Au

*Note 1: CR3 retains the right to buy out the Harris Greenstone Vendors' Royalty for \$5m*

# Brazil: High Quality Diversified Portfolio



## 📍 Amarinópolis - Goiás

2 new uranium prospects identified within prospective sandstone lithologies that are known to host 40% of globally inferred uranium resources.

Less than 5% of **320km<sup>2</sup>** tenement package has been surveyed with a scintillometer.

## 📍 Grande - Rio Grande do Sul

Tenements host prospective lithologies: sandstone and conglomerates.

Nearby historic uranium occurrences hosted in same lithologies.

Reconnaissance program completed

Phased soil sampling program underway.

## 📍 São José - Paraíba

Magnetite and garnet rich gneiss identified. Same lithology that hosts high grade ore at Brazil's only operating uranium mine, Caetite.

Mineralisation is interpreted to be structurally controlled, like the nearby Espinharas and REE Uranium deposit.

## 📍 Tunas - Paraná

CR3 tenure surrounds the largest alkaline intrusive complex in Southern Brazil.

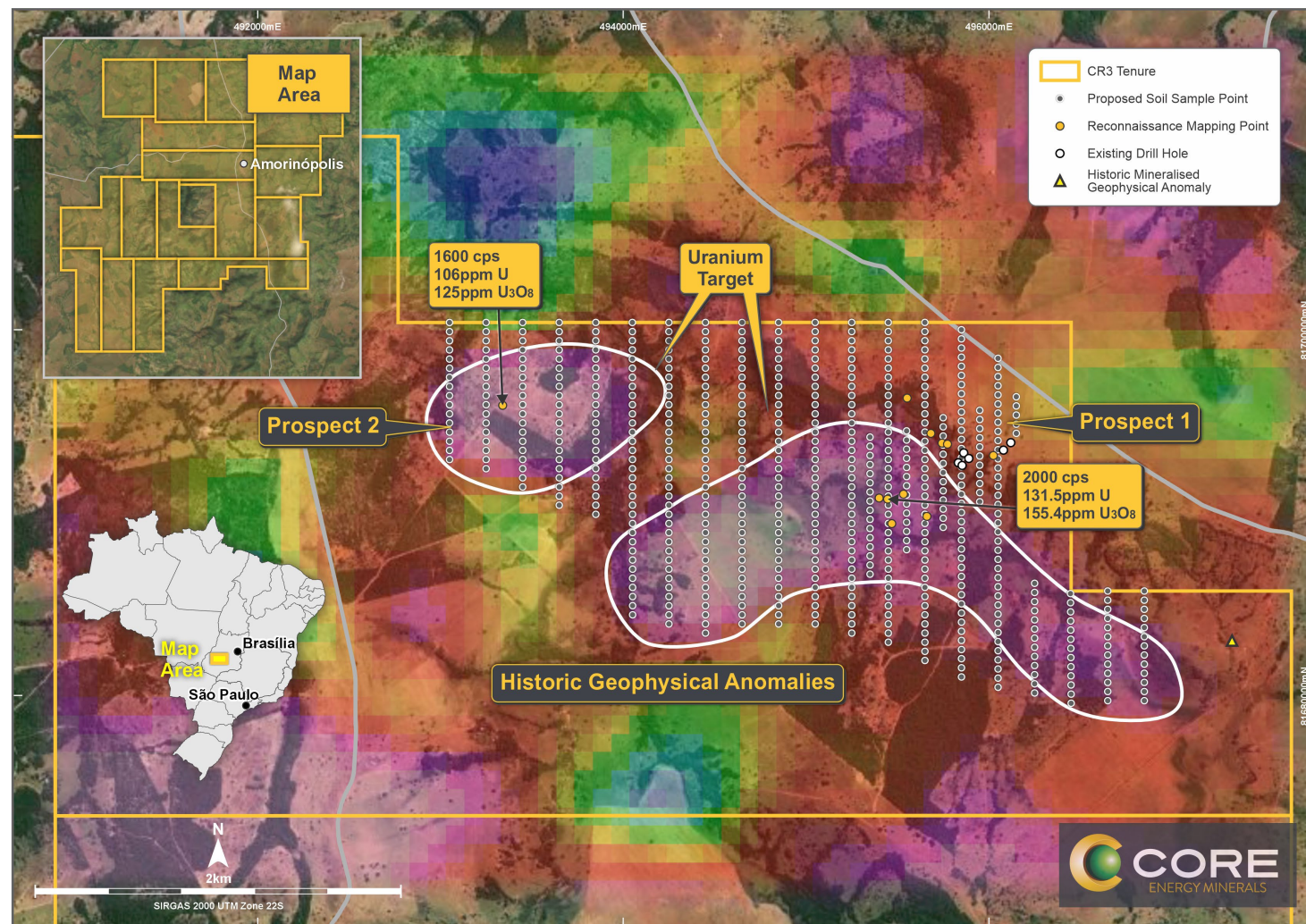
Reconnaissance program completed.

Refer to appendices for full list of references

# Amorinópolis Uranium Project - Encouraging Early Results



- **Multiple surface Uranium anomalies with values of up to 131.5ppm Uranium (155.1ppm  $U_3O_8$ ++) and minimal thorium**
- Follow-up soil sampling program and airborne radiometric survey to **guide further exploration and delineate drill targets (2H 2025)**
- Additional reconnaissance mapping over remainder of the project area (Q3 2025)

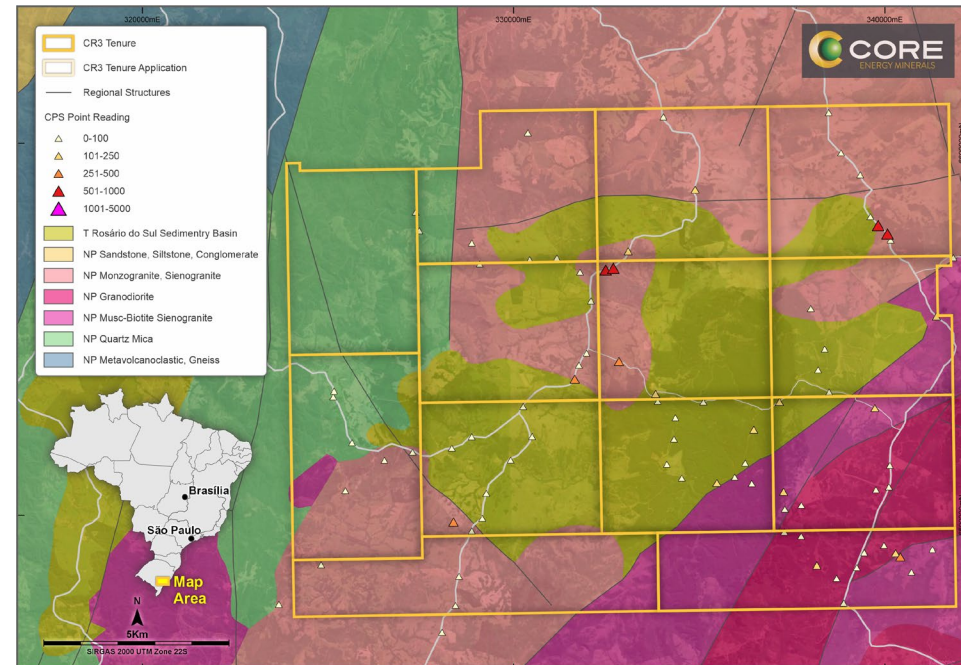
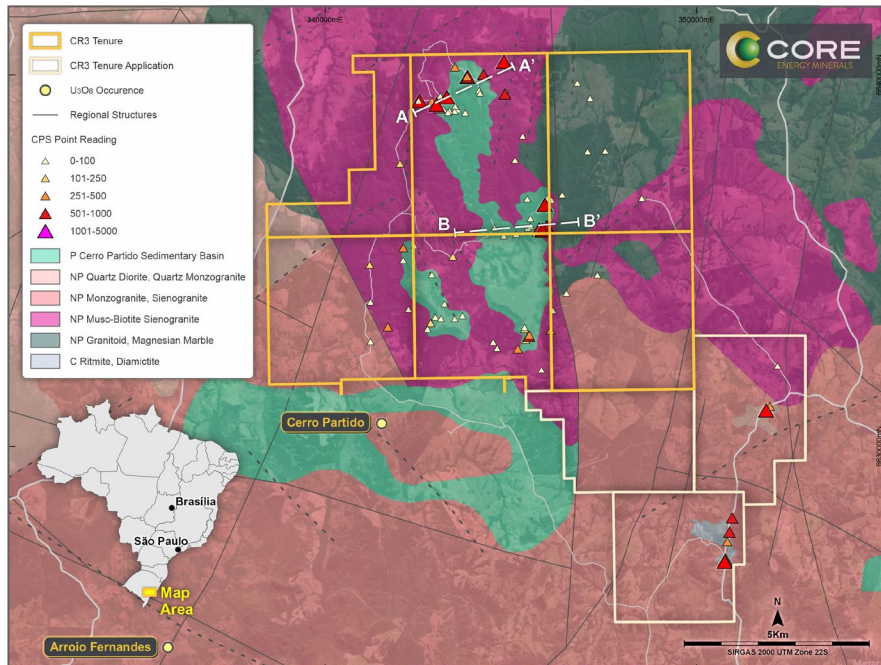


++ Standard stoichiometric conversion used: U to  $U_3O_8$  - 1.1792

# Grande Uranium Project – Broad Mineralisation Identified



- Initial field reconnaissance program completed June 2025.
- Sedimentary and basement hosted  $eU_3O_8$  mineralisation indicated over a broad area from handheld spectral scintillometer.
- Project expanded from 330.3km<sup>2</sup> to 364.52km<sup>2</sup> based on anomalism outside the original tenements.
- Second phase soil sampling underway



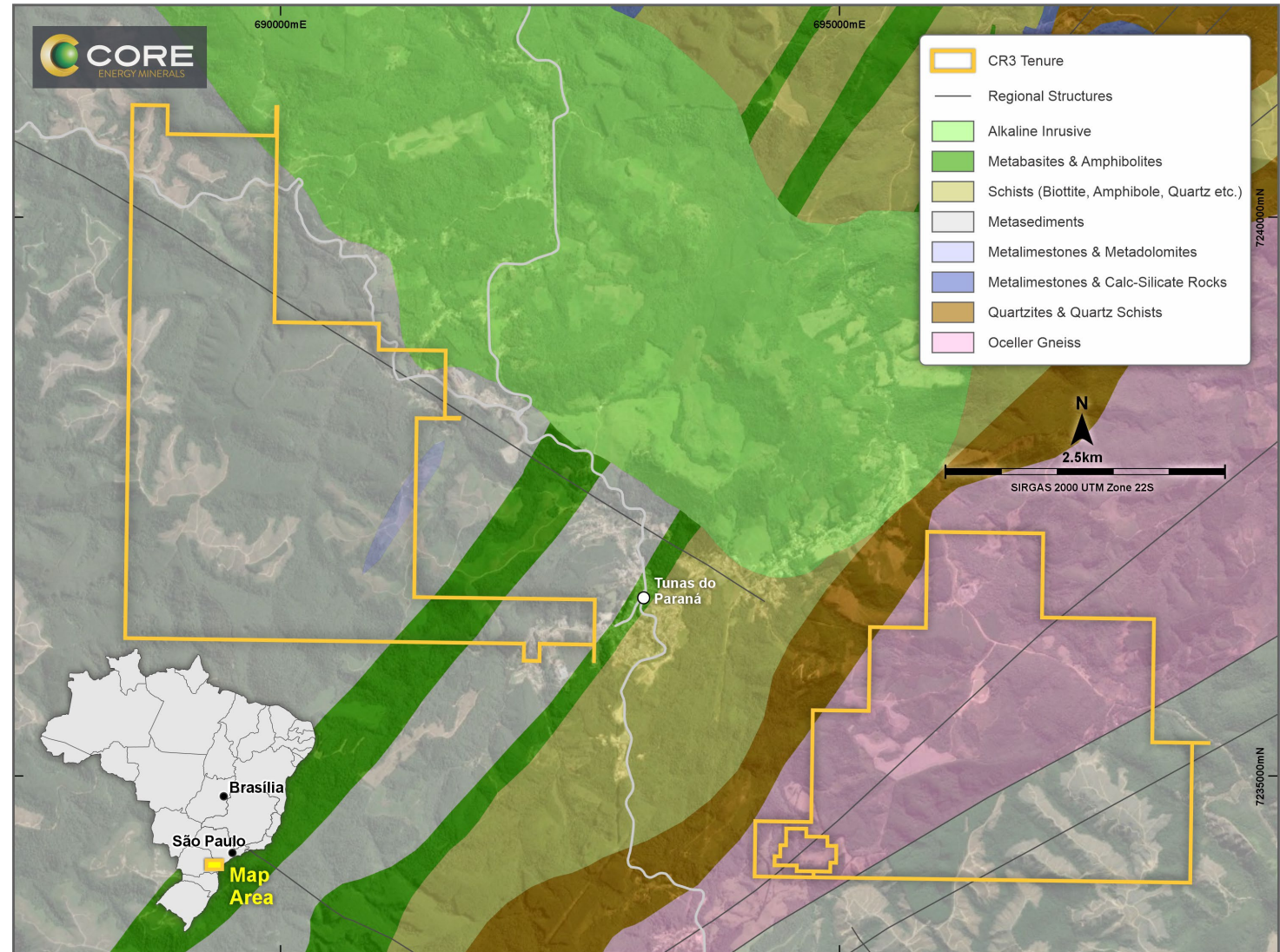
Grande Project North (L) and South (R) showing geology, access tracks, spectral scintillometer readings (counts per second) and section locations

Refer to appendices for full list of references

# Tunas Uranium Project, Reconnaissance Planned 2H 2025



- Initial field reconnaissance program completed June 2025.
- Tenure surrounds the largest alkaline intrusive complex in Southern Brazil.
- Airborne radiometric data shows strong thorium > uranium – potassium, typical signature of REE deposits.

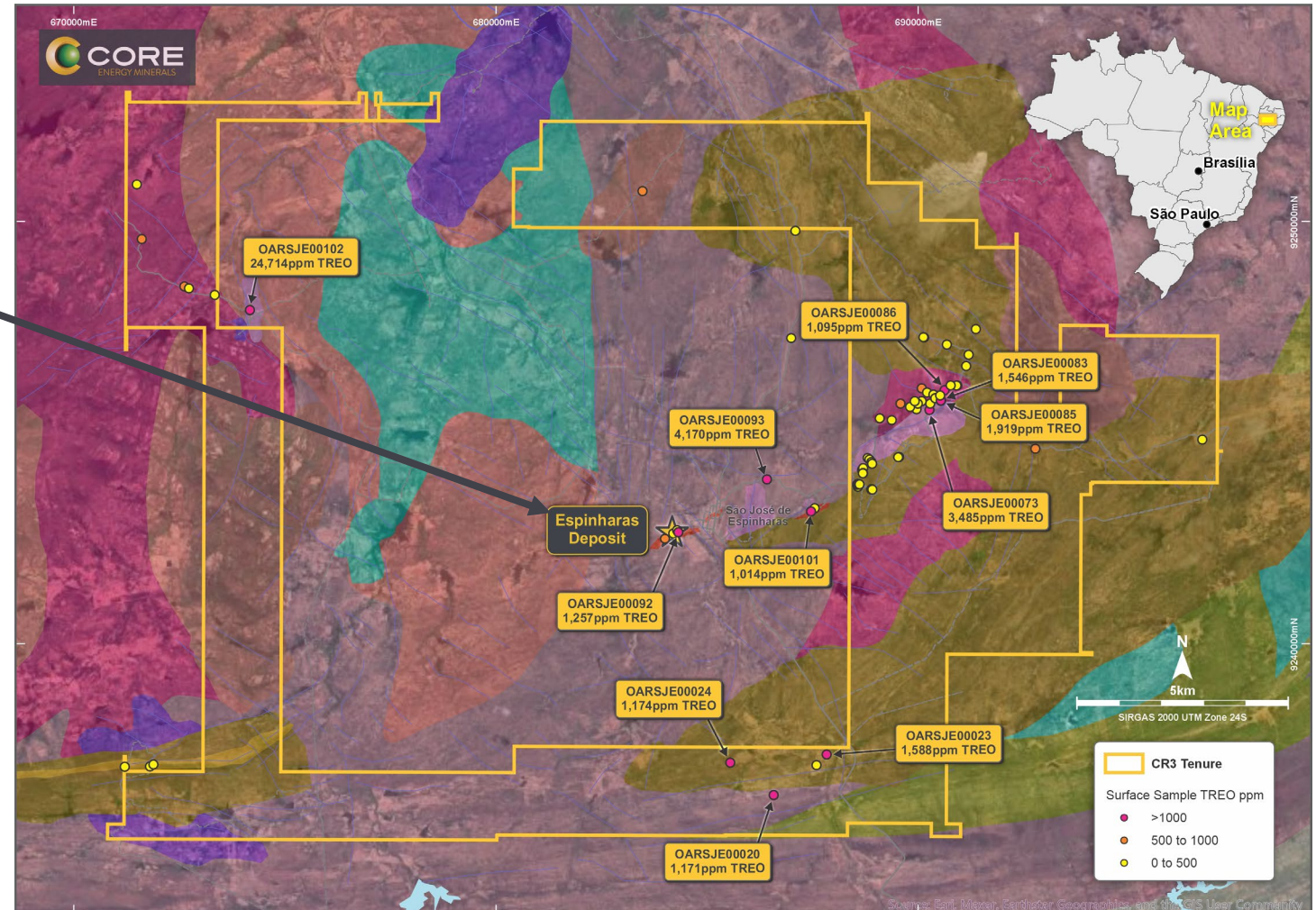


Refer to appendices for full list of references

# São José REE/ Uranium Project – Paraíba



- **11 granted tenements covering interpreted extension of trend from the historic (1970s) São José de Espinharas Deposit**, which hosts an unverified 22Mlbs of  $U_3O_8$
- CR3 field program identified several targets and highlighted that mineralisation is structurally controlled
- **More detailed mapping and geophysics planned for 2H 2025**



# Developing a Highly Prospective Critical Minerals Portfolio



|                                | 2025                                          |                                    |          | 2026              |
|--------------------------------|-----------------------------------------------|------------------------------------|----------|-------------------|
|                                | Q2                                            | Q3                                 | Q4       | Q1                |
| <b>Australia</b>               |                                               |                                    |          |                   |
| Cummins Project                | Reconnaissance mapping & permitting           | Air-Core Drilling                  |          |                   |
| Harris Greenstone Project      | Reconnaissance mapping, target identification |                                    |          | Air-Core Drilling |
| Brooker Project                | Reconnaissance mapping, target identification |                                    |          |                   |
| <b>Brazil</b>                  |                                               |                                    |          |                   |
| Amorinópolis Uranium Project * | Mapping, Geophysics, Soil sampling            |                                    | Drilling |                   |
| São José Uranium Project       | Mapping, Geophysics, Soil sampling            |                                    | Drilling |                   |
| Grande Uranium Project *       |                                               | Mapping, Geophysics, Soil sampling |          | Drilling          |
| Tunas REE Project*             |                                               | Mapping, Geophysics, Soil sampling |          | Drilling          |

\* Timeline dependent upon obtaining requisite tenure/permits

# Competent Person Statement



The information in this presentation for Core Energy Minerals Ltd was compiled by Mr Charles Nesbitt, a Competent Person, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Nesbitt is an employee of Core Energy Minerals Ltd. Mr Nesbitt has sufficient experience, which is relevant to the style of mineralisation and types of deposits under consideration and to the activity to 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.’ Mr Nesbitt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

All references to original source information are included as footnote and endnote references as indicated throughout the presentation where required.

No new information that is considered material is included in this document. All information relating to exploration results has been previously released. The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant announcement.

These announcements may be viewed at [www.coreenergyminerals.com.au](http://www.coreenergyminerals.com.au) and [www.asx.com.au](http://www.asx.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 announcements. 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.

## Announcements Referenced in this presentation.

- ASX Announcement – 4 June 2025: Drilling Permits Approved for Cummins Project
- ASX Announcement – 3 June 2025: CR3 Advances exploration program in Brazil
- ASX Announcement – 8 April 2025: Cummins Uranium Project – Exploration Update
- ASX Announcement – 28 January 2025: Core Energy raises \$3.7M and welcomes Cornerstone Investor
- ASX Announcement – 24 January 2025: Acquisition of Highly Prospective Uranium Projects (Amended)
- ASX Announcement - 9 September 2024: Management Restructure
- ASX Announcement – 2 September 2024: OAR Confirms Uranium Mineralisation at Amorinopolis (Amended)
- ASX Announcement – 29 May 2024: OAR Expands Brazilian Uranium Footprint
- ASX Announcement – 3 April 2024: OAR Expands Into World Class Uranium Mining Region

## Authorisation

This presentation has been approved for issue by the Board of Core Energy Minerals Ltd





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