

Moving towards a New Energy Future

High-value *bitumen* and *Uranium* assets

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FORWARD-LOOKING STATEMENTS

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COMPETENT PERSON STATEMENT

The information in this presentation that relates to the Alpha Mineral Resource Estimate is based on information compiled by Mr. Carl D'Silva, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (Member number 333432). Mr. D'Silva is a full-time employee of SRK Consulting (Australasia) Pty Ltd, a group engaged by the Company in a consulting capacity.

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

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Mineral Resource Estimate dated 9 March 2022 as announced to the ASX on that date and which is available at www.greenvaleenergy.com.au. The Company confirms that in relation to the Alpha Torbanite Project Mineral Resource Estimate, all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 9 March 2022.

The information in this presentation that relates to liquefaction testing is based on information compiled by David Cavanagh, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy AusIMM Member number 112318. David Cavanagh is a full-time employee of Core Resources.

David Cavanagh 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'. David Cavanagh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

GRV: Corporate Summary

CAPITAL STRUCTURE

459M

Shares
on issue

35M

Performance Rights
on issue

\$13.31M

Market Capitalisation
(28 Aug 2024)

\$3.88M

Cash at Bank
(28 Aug 2024)¹

\$0.029

Share Price
(28 Aug 2024)

\$0.2M

Liquid Investments
(30 June 2024)

44%

Top 20
Shareholders

15%

Directors Shareholding

¹ Represented by cash at bank at 30 June 2024, plus amounts received from the Company's 2023 R&D tax grant (July 2024) and proceeds from the disposal of the Astute Metals NL investments (August 2024).

BOARD & MANAGEMENT



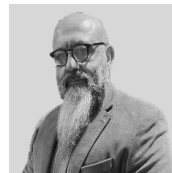
Neil Biddle
Non-Executive Chairman

Geologist with +35 years' experience in exploration and mining. Founding Director of Pilbara Minerals, where he oversaw the acquisition, exploration and development of the world-class Pilgangoora Lithium Project.



Mark Turner
Executive Director/CEO

Engineer with +25 years' experience in the energy sector and a proven track record of major project delivery in oil & gas, water, power, renewables, and nuclear projects.



Elias Khouri
Non-Executive Director

Extensive experience in equity markets, with expertise in corporate finance, advisory, capital raisings, joint venture and farm-in negotiations.



John Barr
Non-Executive Director

Chartered Accountant with +25 years experience as director of various companies. Founding Director of Mosman Oil and Gas Limited. Extensive Australian and international experience with exposure to manufacturing, mining and oil gas industries

Greenvale Energy – Our Value Proposition



FUTURE-FOCUSED HIGH-QUALITY ASSETS



ALPHA TORBANITE PROJECT

HIGH-GRADE
BITUMINOUS
PRODUCTS



DOUGLAS RIVER URANIUM PROJECT

URANIUM,
TIN AND
GOLD



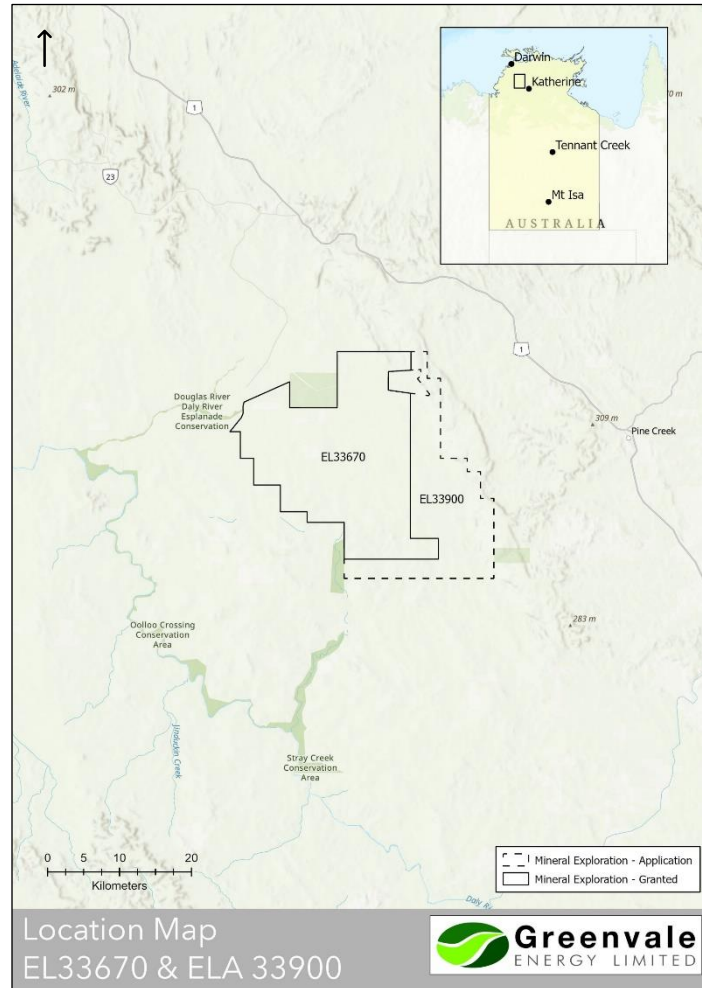
QLD GEOTHERMAL PROJECT

SUSTAINABLE
24/7 ENERGY

Projects capable of delivering high-value products into strongly growing markets...

Douglas River Uranium Project

World Class Pine Creek Mineral Field, NT



Farm-in agreement with Gempart Pty Ltd to acquire an 80% interest in Douglas Creek Project* located 200km south of Darwin



- Douglas River Uranium Project comprises of **EL33670** and **ELA33900**, which are in the prolific Pine Creek Mineral Field in the Northern Territory.
- **Pine Creek Region is one of the world's largest and richest uranium provinces.** Despite this the region remains lightly explored.
- The projects highly prospective for suite of elements including **uranium, tin and gold.**
- Contains **multiple Uranium/Thorium ratio anomalies** concentrated within two interpreted palaeo-channels on the western and eastern margins of the tenements.
- These targets are interpreted to be shallow, **less than 50m depth** and are subject to field inspection.

Douglas River Project - Previous Exploration

Digging Deeper: Insights from Past Explorations

Exploration Summary:

- **Douglas River Samples:** High anomalies of Ta, Sn, and Nb detected in drainage samples.
- **Denehurst Findings:** Three drainage samples revealed gold content at 3.1, 1.46, and 0.08 ppm.
- **United Uranium:** Extensive uranium exploration with low base metal anomalies; aerial surveys identified paleochannels, but drilling was abandoned due to wet season.
- **Territory Uranium / Spectrum Rare Earths:** Explored uranium and REEs; identified 10 prospects, with notable REE finds at Stromberg and Quantum. Area 16 within EL33900 showed up to 70 ppm U and 735 TREE in rock chips.

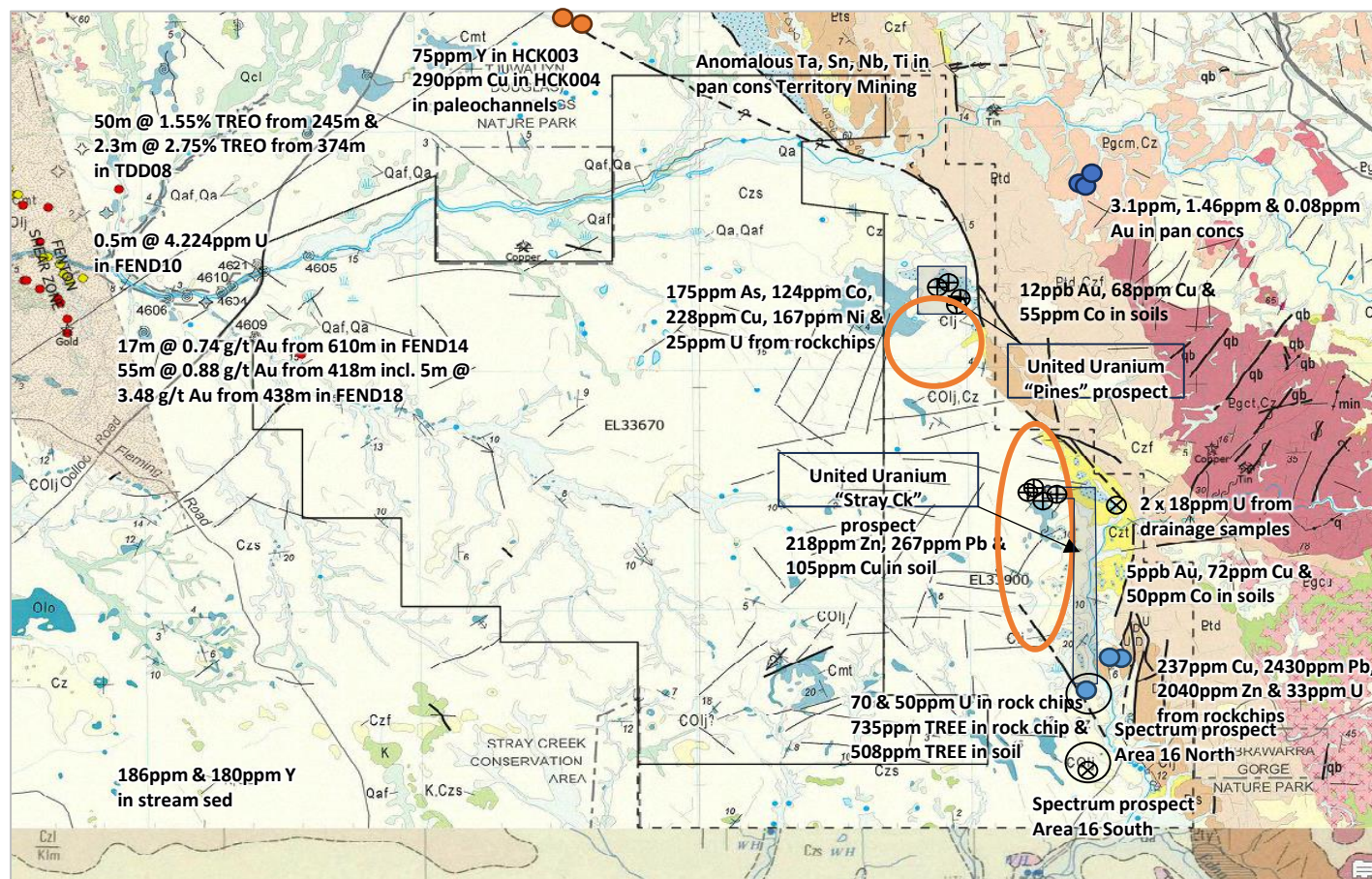


Fig 2: EL 33670 & ELA 33900 Historical surface sampling

Douglas Uranium Project – Proposed Mag/Rad Survey

Douglas River Uranium: A Strategic, Targeted Exploration Approach

Targeted Approach:

- **Airborne Surveys:** 100m spaced airborne magnetics/radiometrics cover the entire project area.
- **Historical Findings:** NTGS surveys identified multiple U/Th anomalies in eastern and western paleochannels, with two highly anomalous zones in the eastern channel.
- **United Uranium Follow-Up:** Conducted close-spaced airborne radiometrics over the southeastern anomaly, defining a significant drill target. Operations ceased post-Fukushima.
- **Current Focus:** Greenvale sees the southeastern anomaly as an immediate drill target. The northeastern U anomaly needs closer spaced (100m) radiometrics for further definition before drilling.

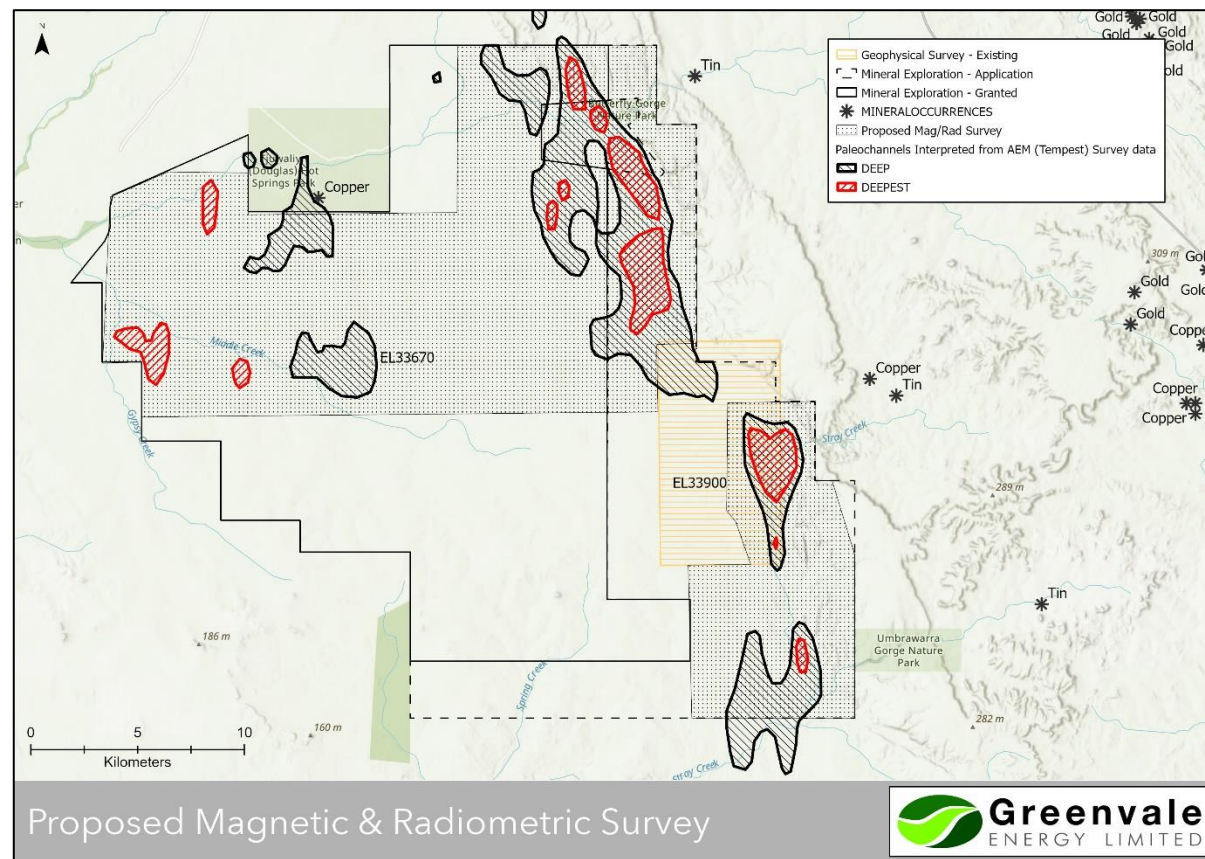


Fig 3: EL 33670 & ELA 33900 Proposed Airborne survey

Why Uranium?



Clean Energy

Uranium is considered a vital component of the clean energy solution due to its ability to generate large amounts of electricity with minimal greenhouse gas emissions. New and innovative technologies offer improved safety and efficiency, making nuclear power a sustainable, reliable and stable energy source.



Supply Constraints

Uranium production has been subject to geopolitical tensions and mine closures, with the World Nuclear Association predicting that current supply gaps are forecast to increase and extend to 2040 and beyond. Supply constraints and increasing demands have stimulated uranium prices to recently reach 16-year highs in early 2024.



Increased Demand

Climate change policy targets and increasing population are driving a global need to find low-carbon, large-scale power sources. As a result, there has been a significant increase in the number of nuclear reactors being restarted and under construction. These reactors must be fueled by uranium. As demand for uranium grows, new discoveries will be increasingly critical.



Policy Support

Changes in government energy policies are seeing support for nuclear power expansion and carbon pricing mechanisms that incentivise low-carbon energy sources, such as uranium-fuelled nuclear power. At COP28, 22 countries launched a declaration to triple nuclear energy by 2050.

Alpha Torbanite Project

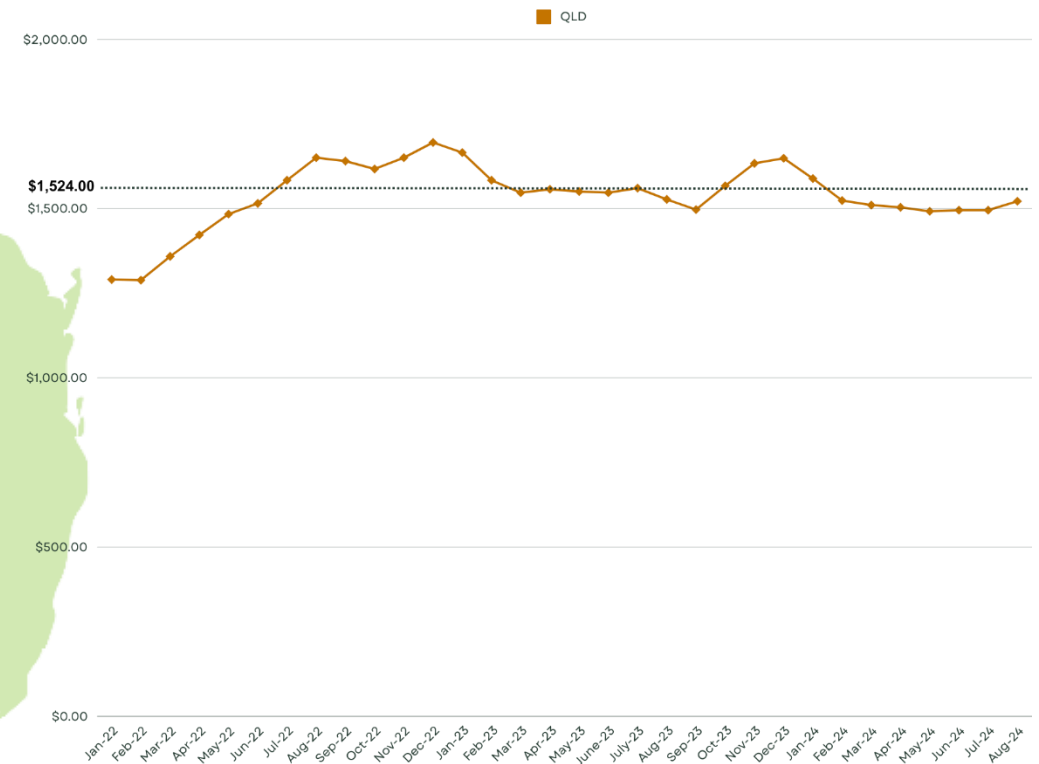
UNIQUE, HIGH-VALUE PROJECT GEARED TO AUSTRALIA'S BURGEONING INFRASTRUCTURE NEEDS

Rare, high-value torbanite deposit located in central Queensland, 500km west of Rockhampton



- One of only two known torbanite deposits in Australia
- Mineral Reserve Estimate of 28Mt of combined cannelite and torbanite* (51% increase from maiden MRE).
- Potential to become a key domestic source of bitumen (almost all of Australia's supply is imported)
- Opportunity to replace the current use of imported heavy crude oils in the Australian bitumen market
- Sustained high, local (QLD), bitumen prices (C170) above \$1,500 per tonne.

C170 Bitumen Price Index (A\$/tn)



The bitumen index is the straight average of the major bitumen suppliers' Monthly Gate List Prices (Published List Selling Price) for C170 grade bitumen (\$/tonne). Source: tmr.qld.gov.au

*Refer to GRV ASX Announcement 13 Nov 2023

Unlocking Alpha

ALPHA ROAD TO DEVELOPMENT

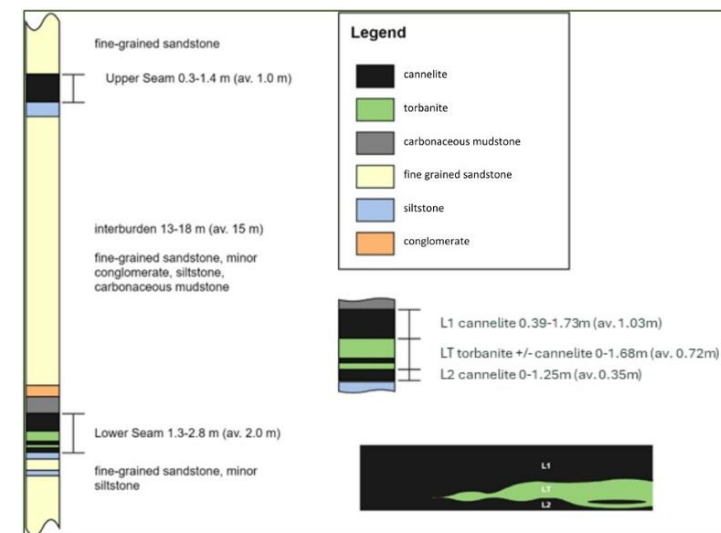
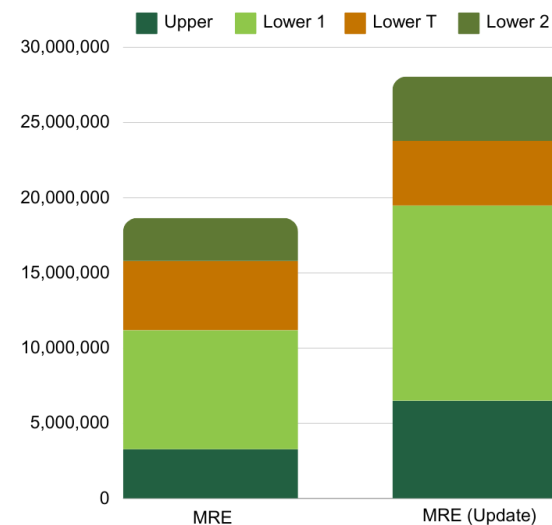
Project Milestones:

- 1. Substantial Resource Increase:** 51% increase to 28Mt of combined cannelite and torbanite.
- 2. Completion of Test Program 4:** Results from Technix’s testwork program have confirmed that shale extract from Alpha could be used as a feedstock for manufacturing standard or modified types of bitumen, however Technix have advised that additional work is required to upgrade Alpha shale extract to a premium C170 bitumen product
- 3. Test Program 5 Commenced:** The University of Jordan, which completed the highly successful Test Program 3, has been re-engaged to commence Test Program 5. The key focus will be on increasing the viscosity and elasticity of the final product so that it is suitable for delivering a premium C170 bitumen product

Next Steps:

Test Program 6, production of a bulk sample by University of Jordan, analysis of bulk sample by Technix (GRV’s Bitumen advisor) for identification and certification of product.

MDL 330 Inferred Mineral Resource estimate by seam and ply unit (Air-Dried Tonnes)



Geothermal Opportunity

UNTAPPED RENEWABLE ENERGY OPPORTUNITY

120km east of Mount Isa within the North-West Minerals Province



- One of the most prospective areas for geothermal energy in Queensland, if not Australia.
- Millungera Basin total identified stored thermal energy potential likely to exceed 611,000 petajoules (@ 90% probability)
- Millungera Basin exceeds maximum heat flow averages through all established geothermal fields determined in Australia to date.
- Queensland's North-West Mineral Province presents significant opportunities to provide wholesale power to major new resource projects.
- 2023-24 State Budget committed \$19B over four years to deliver more renewable energy to the Queensland SuperGrid

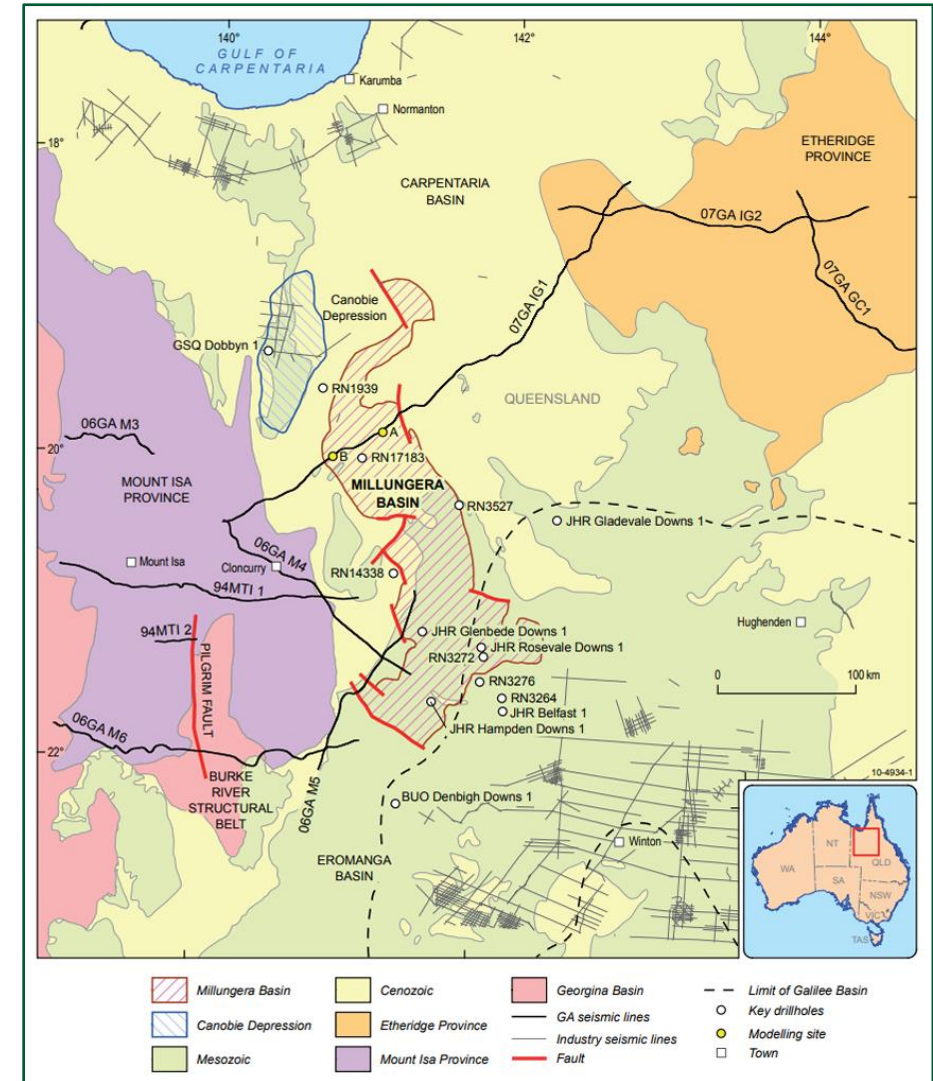


IMAGE: Simplified map of northwest Queensland showing the interpreted subsurface distribution of the Millungera Basin. Also shown are Geoscience Australia and industry seismic lines, as well as key historic drillholes

Key Investment Takeaways

MULTIPLE VALUE-CREATION PATHWAYS

- ✓ A unique growth opportunity in **future-focused, critical, high-value** commodities
- ✓ Ideally positioned to become Australia's only end-to-end **domestic source of bitumen** for burgeoning infrastructure demand
- ✓ New **Uranium** Project in the **World Class Pine Creek Mineral Field**
- ✓ **Renewable Energy** Geothermal advancing in Queensland
- ✓ **Experienced team** with exceptional track record of value-creation for shareholders

*Projects capable of delivering
high-value products into
strongly growing markets...*