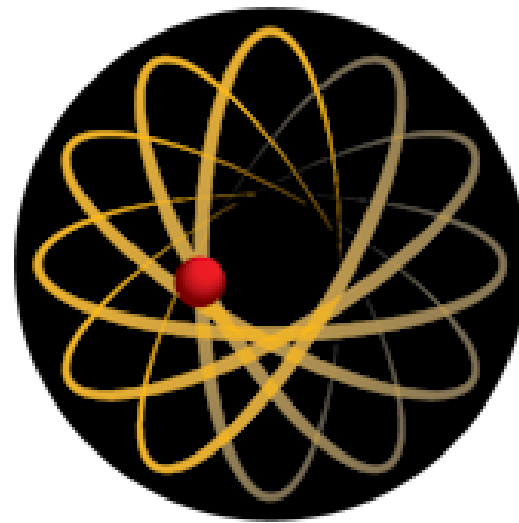


**SALE
OPPORTUNITY**



ORPHEUS
URANIUM LTD

MARREE PROJECT

SOUTH AUSTRALIA

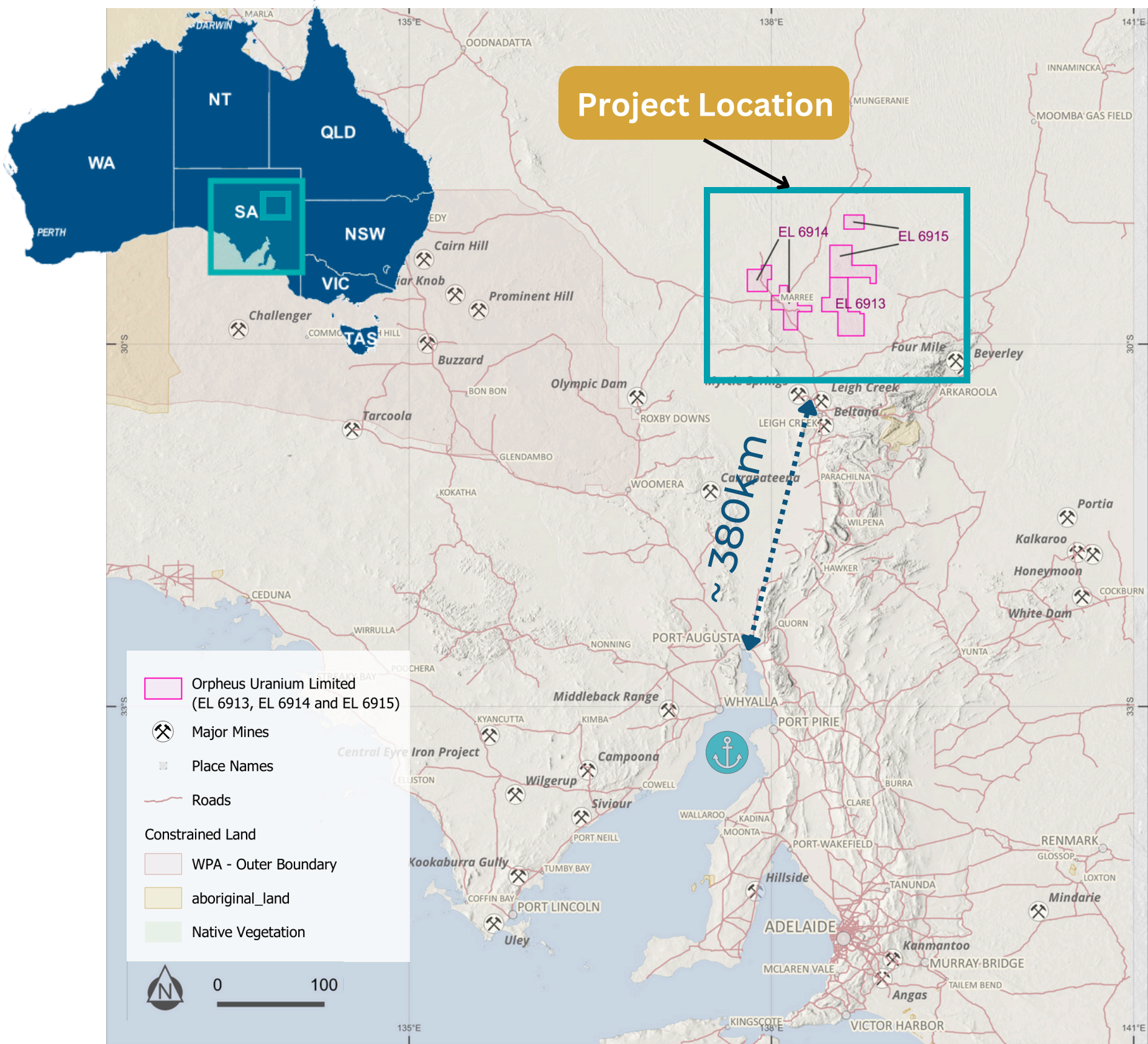
AMETS
TENEMENTS & GEOSERVICES

OVERVIEW

- A highly prospective Uranium Project located within the Southern Eromanga Basin, ~70 km NW of the Mount Painter Uranium Field.
- The Marree Project comprises three exploration licences, **EL 6913** (Mundowdna), **EL 6914** (Muloorina), and **EL 6915** (Clayton), covering a combined area of 2,966 km².
- All 3 Exploration Licences are in Good Standing.



MARREE PROJECT

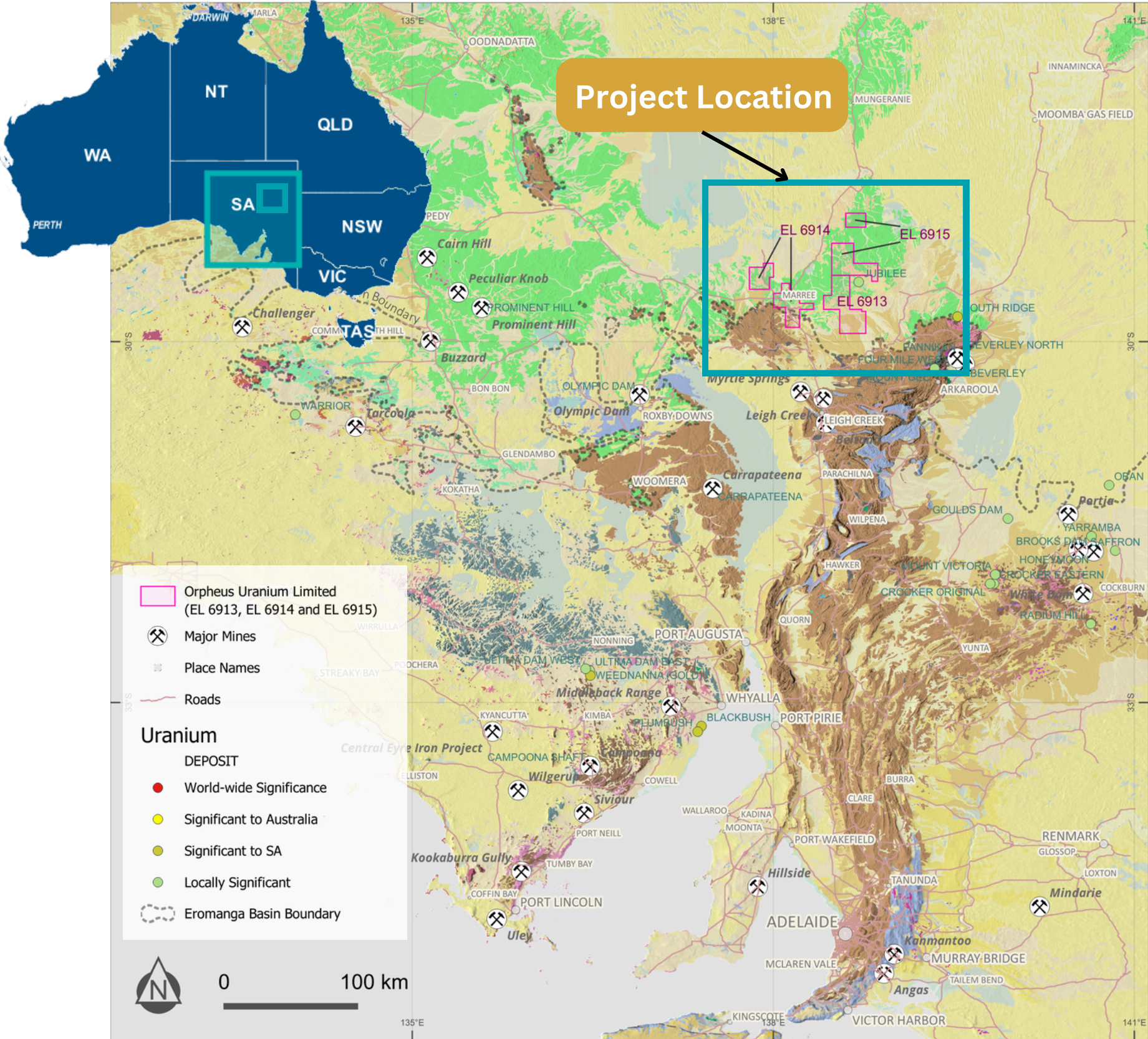


The Marree Project is in South Australia, within the southern extent of the Eromanga Basin.

It is situated to the northwest of the highly radiogenic region of the Mount Painter Uranium Field, approximately 380 kilometres north of Port Augusta.

The project area surrounds the township of Marree.

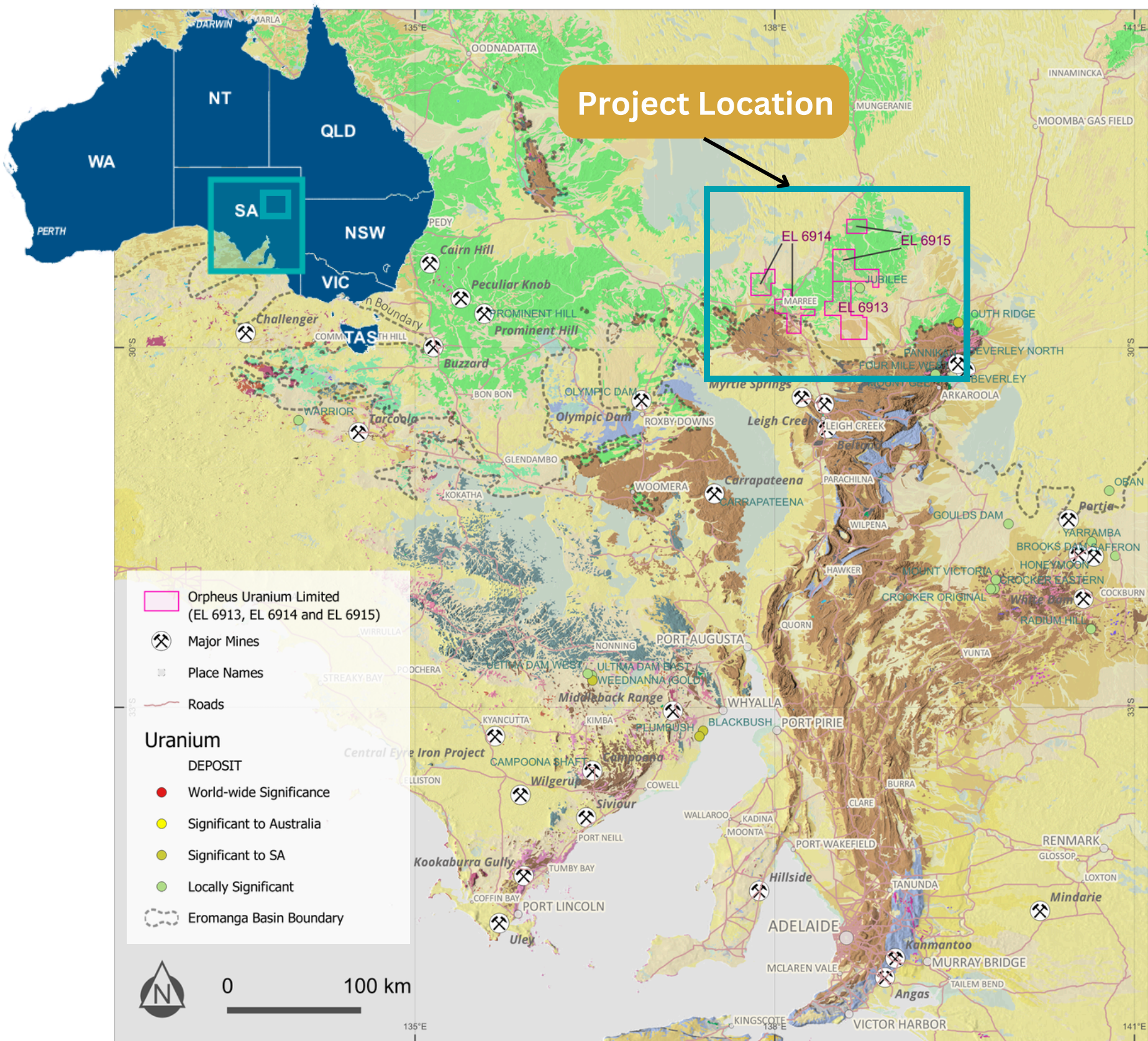
MARREE PROJECT



The **Maree Project** is located within a broad, open embayment at the southern edge of the Mesozoic Eromanga Basin and the northern part of the Cenozoic Lake Eyre Basin.

The southern boundary of the project area is defined by the northern margin of the Adelaide Geosyncline and the Willouran Ranges, which are comprised of Proterozoic sediments.

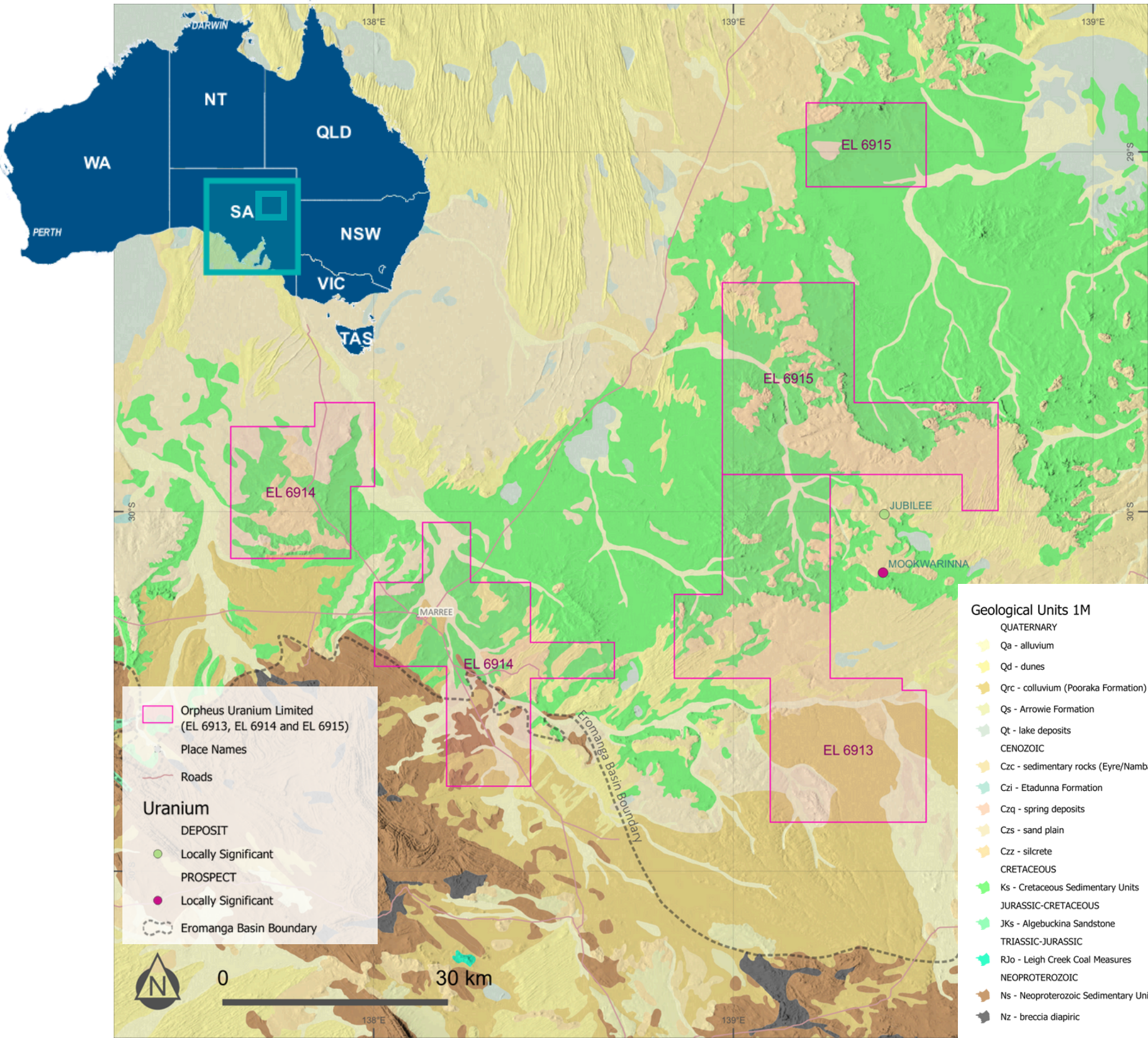
MARREE PROJECT



The project area's geology includes outcropping Cretaceous units; Cadna-owie Formation and Bulldog Shale, and Cenozoic units including the Namba and Eyre Formations, often forming inverted topographic highs.

These units are partly masked by Quaternary sediments, including alluvial, fluvial, aeolian, and playa deposits, that extend north towards the Tiari Sub-basin.

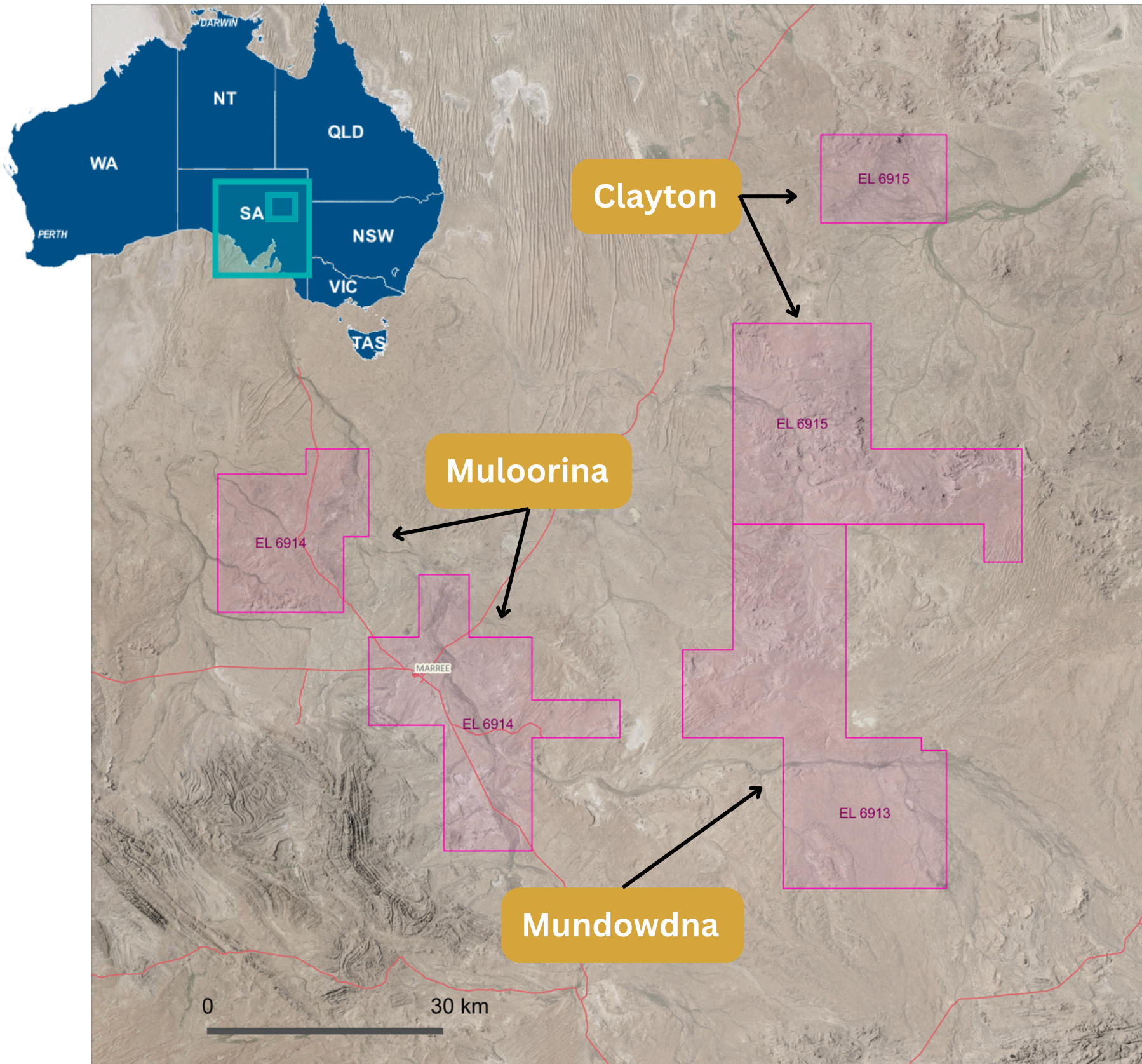
MARREE PROJECT



The Mulloorina Gravity Ridge extends in a NW-SE trend through the area and appears to connect with a gravity high north of the Mount Babbage Inlier.

The local geology also includes Neoproterozoic basement units in the southwestern corner of EL 6914 and various sedimentary units from the Eromanga and Lake Eyre Basins.

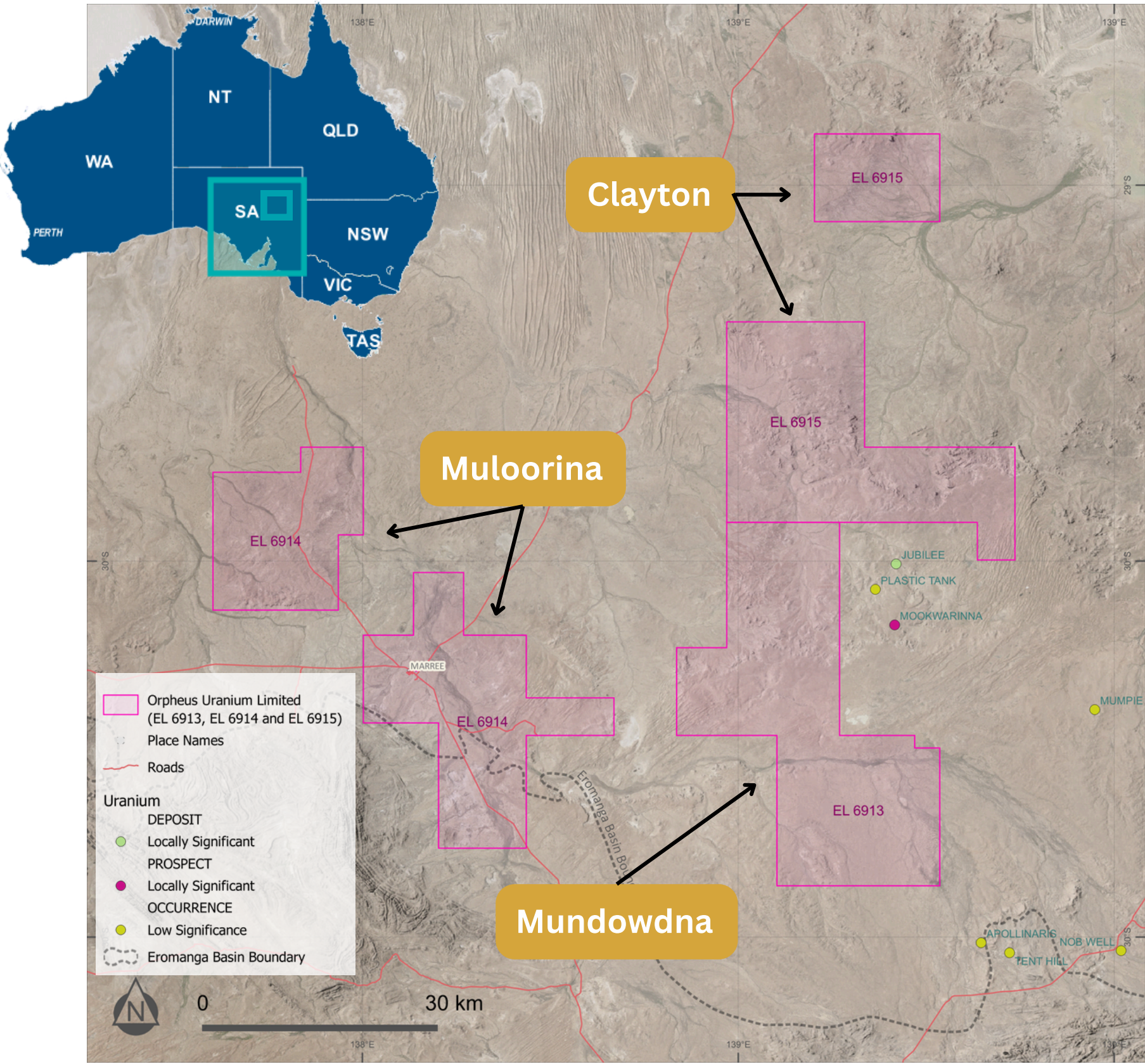
MARREE PROJECT



The Marree Project, operated by **Orpheus Uranium Limited**, consists of three exploration licences, granted to Trachre Pty Ltd, a 100% owned subsidiary of Orpheus Uranium Limited:

- **EL 6913 (Mundowdna)**
- **EL 6914 (Muloorina)**
- **EL 6915 (Clayton)**

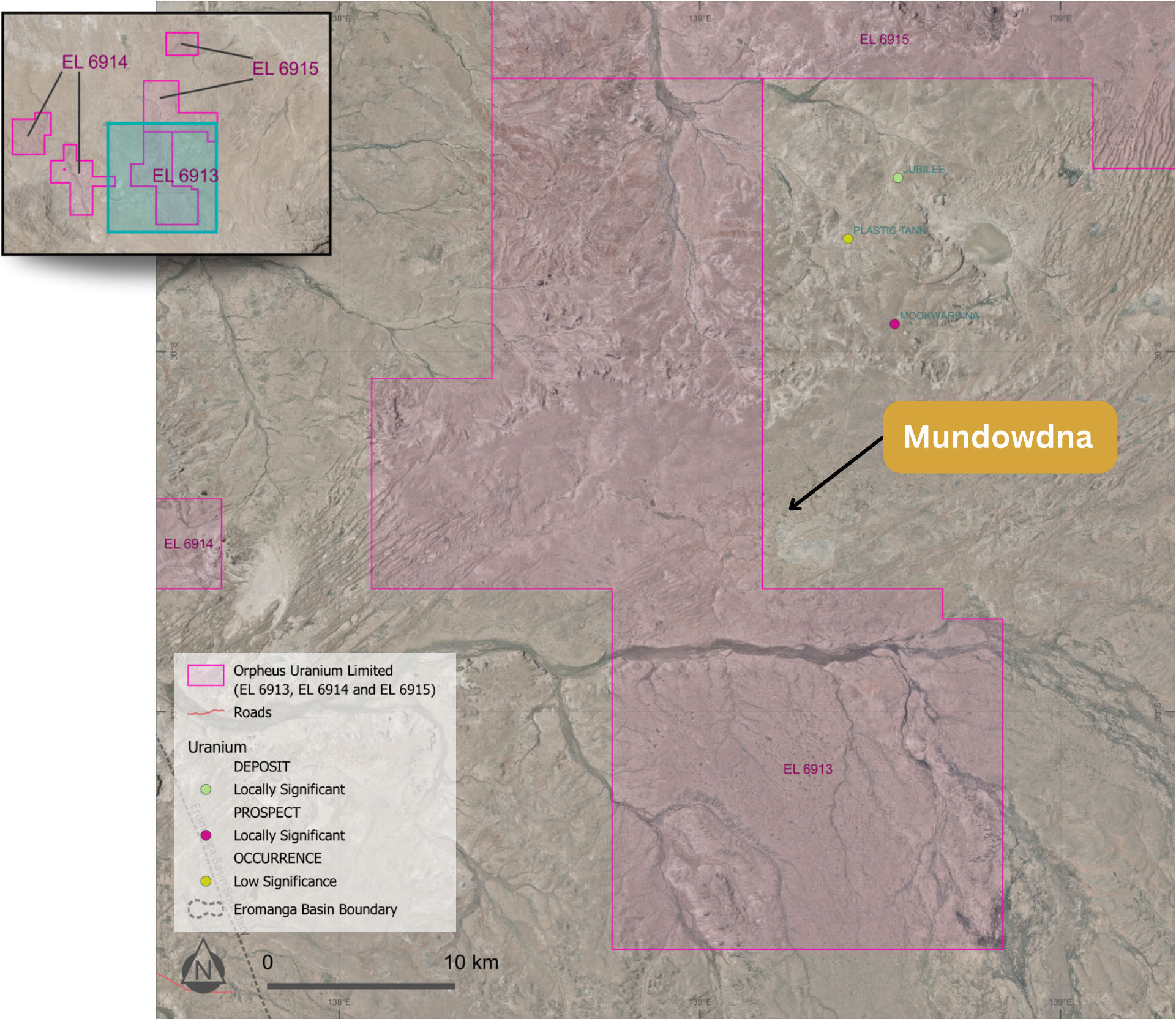
MARREE PROJECT



The Marree Project is considered highly propsective for sedimentary-hosted uranium mineralisation.

Tenement	Licencee/ Operator	Start Date	Expiry Date	Legal Area (Sq Km)	Commodity
EL 6913	Trachre Pty Ltd (100%)	9 June 2023	8 June 2029	998	Uranium
EL 6914	Trachre Pty Ltd (100%)	9 June 2023	8 June 2029	990	Uranium
EL 6915	Trachre Pty Ltd (100%)	9 June 2023	8 June 2029	978	Uranium

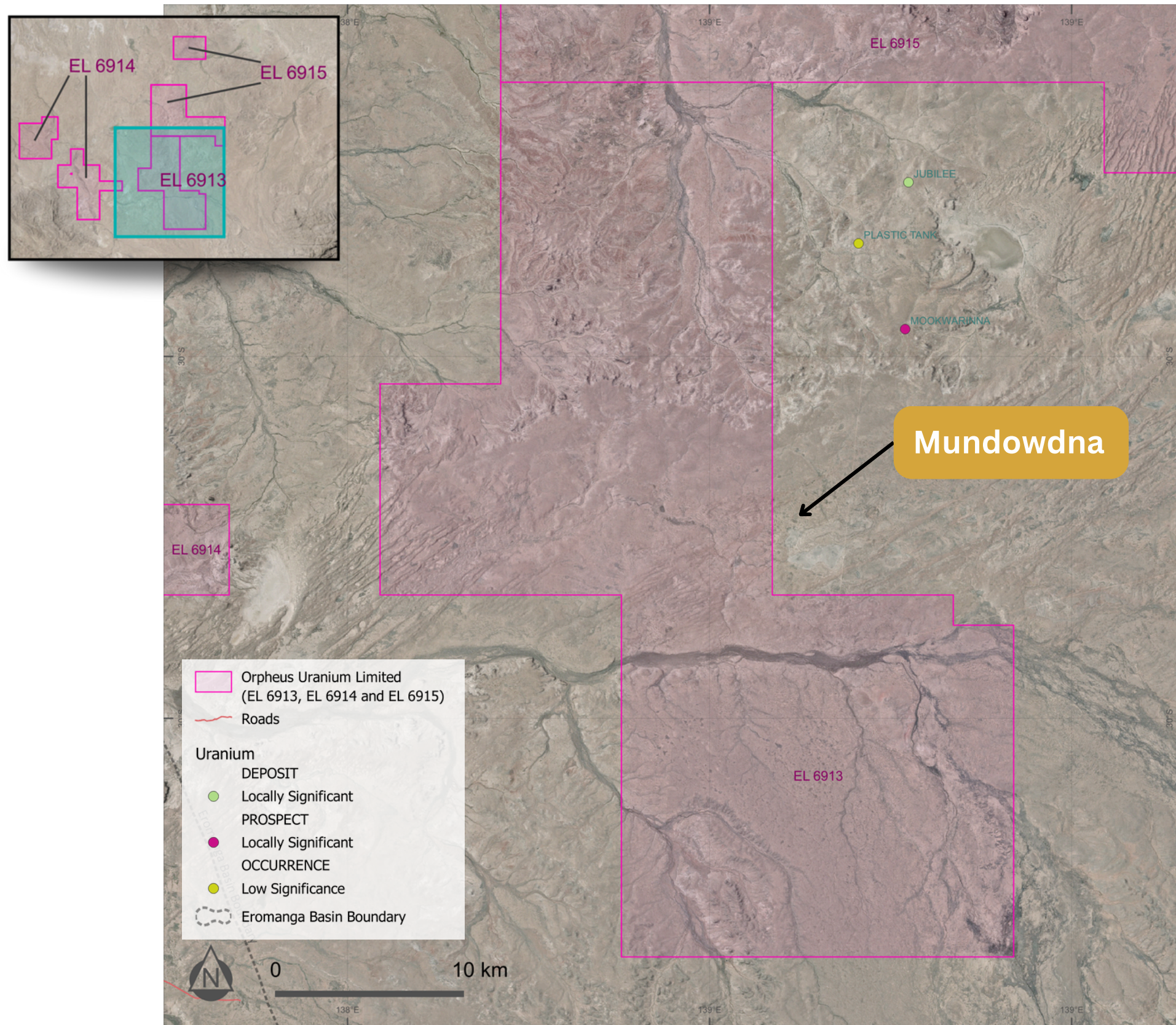
MARREE PROJECT



EL 6913 Mundowdna

Licencee / Operator	Trachre Pty Ltd (100%)
Legal Area (Sq Km)	998
Start Date:	9 June 2023
Expiry Date:	8 June 2029
Commodity	Uranium

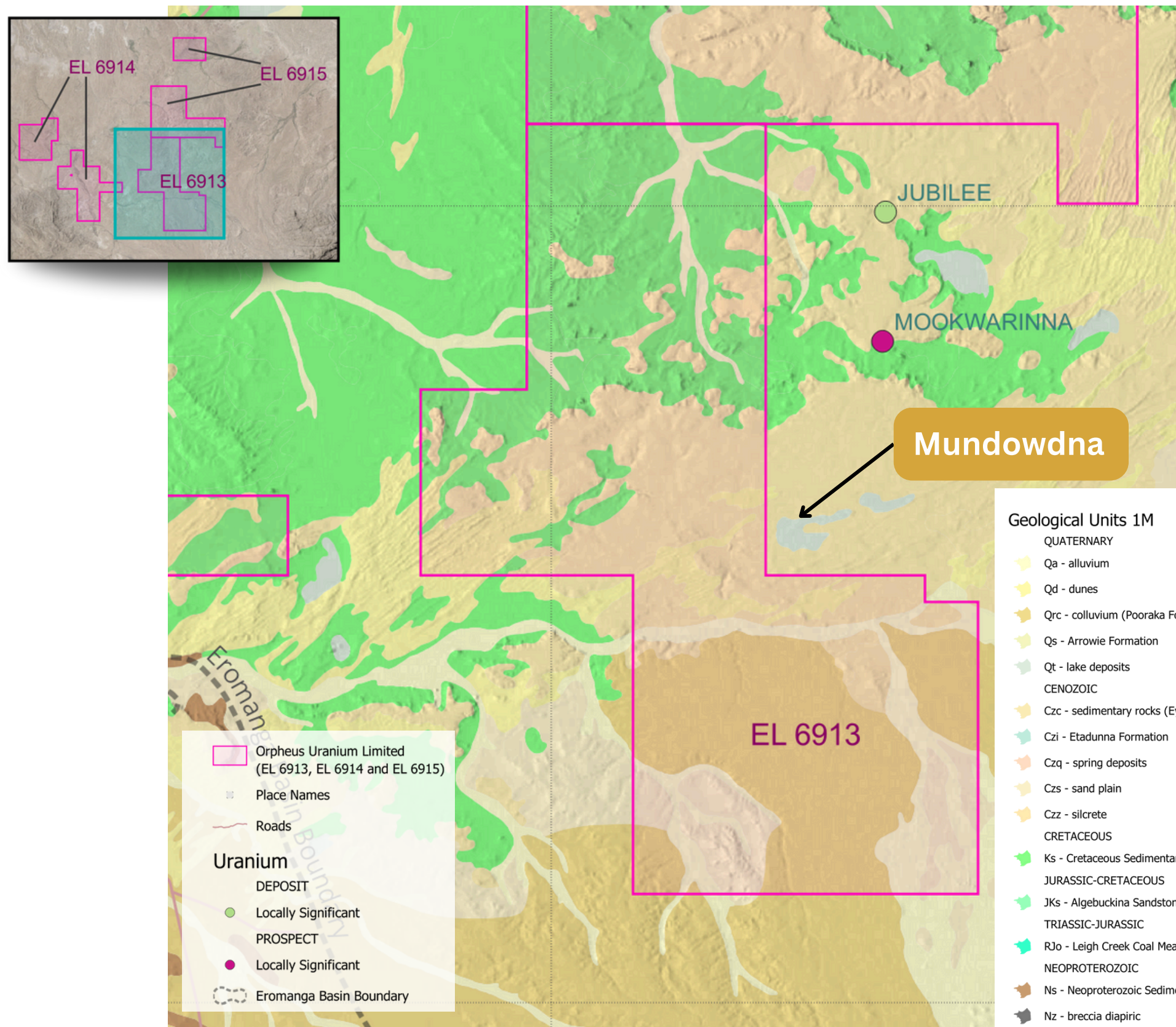
MARREE PROJECT



EL 6913 Mundowdna

- Located 35km East of Marree
- Historical drilling has identified the Tent Hill uranium occurrence with visible carnotite and weak radioactivity anomalies, alongside significant results from the Apollinaris uranium occurrence.

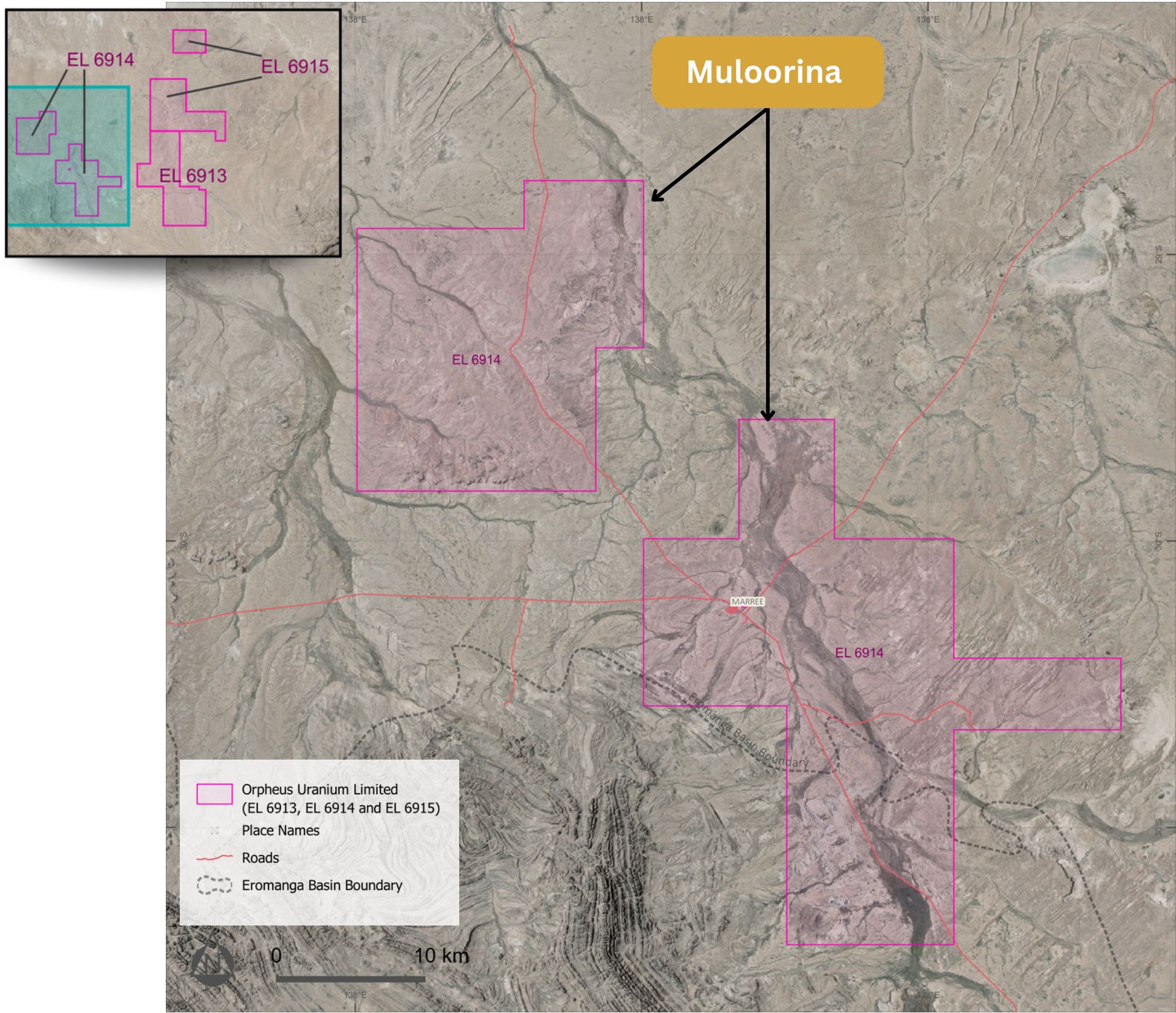
MARREE PROJECT



EL 6913 Mundowdna

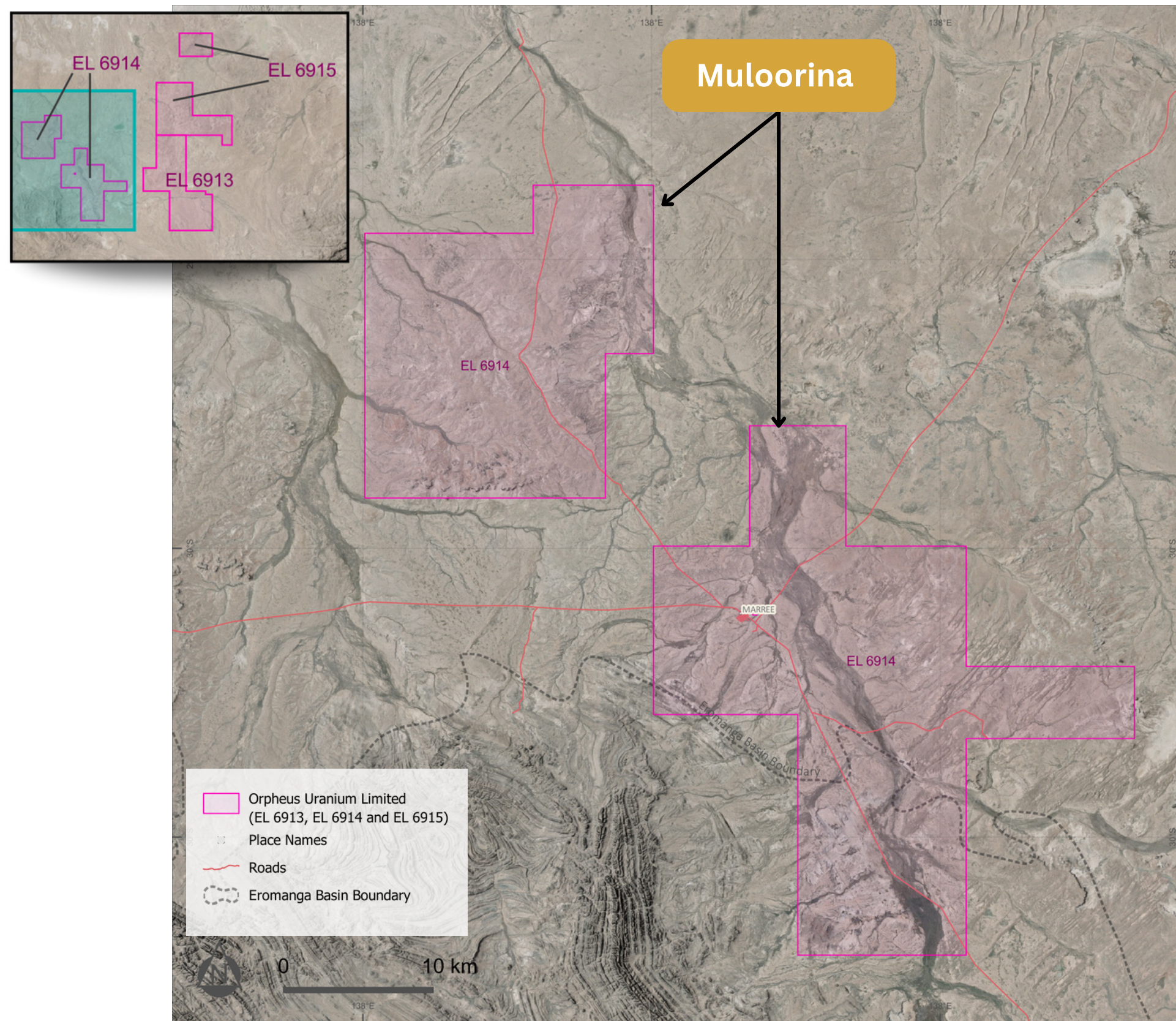
- Recent drilling returned 2m @ 6 ppm U, and groundwater sampling from Apollinaris Bore yielded a notable 21 $\mu\text{g/L}$ U.
- The tenement features four active Great Artesian Basin mound springs, indicating potential for artesian discharge-related uranium deposits.

MARREE PROJECT



EL 6914 Muloorina

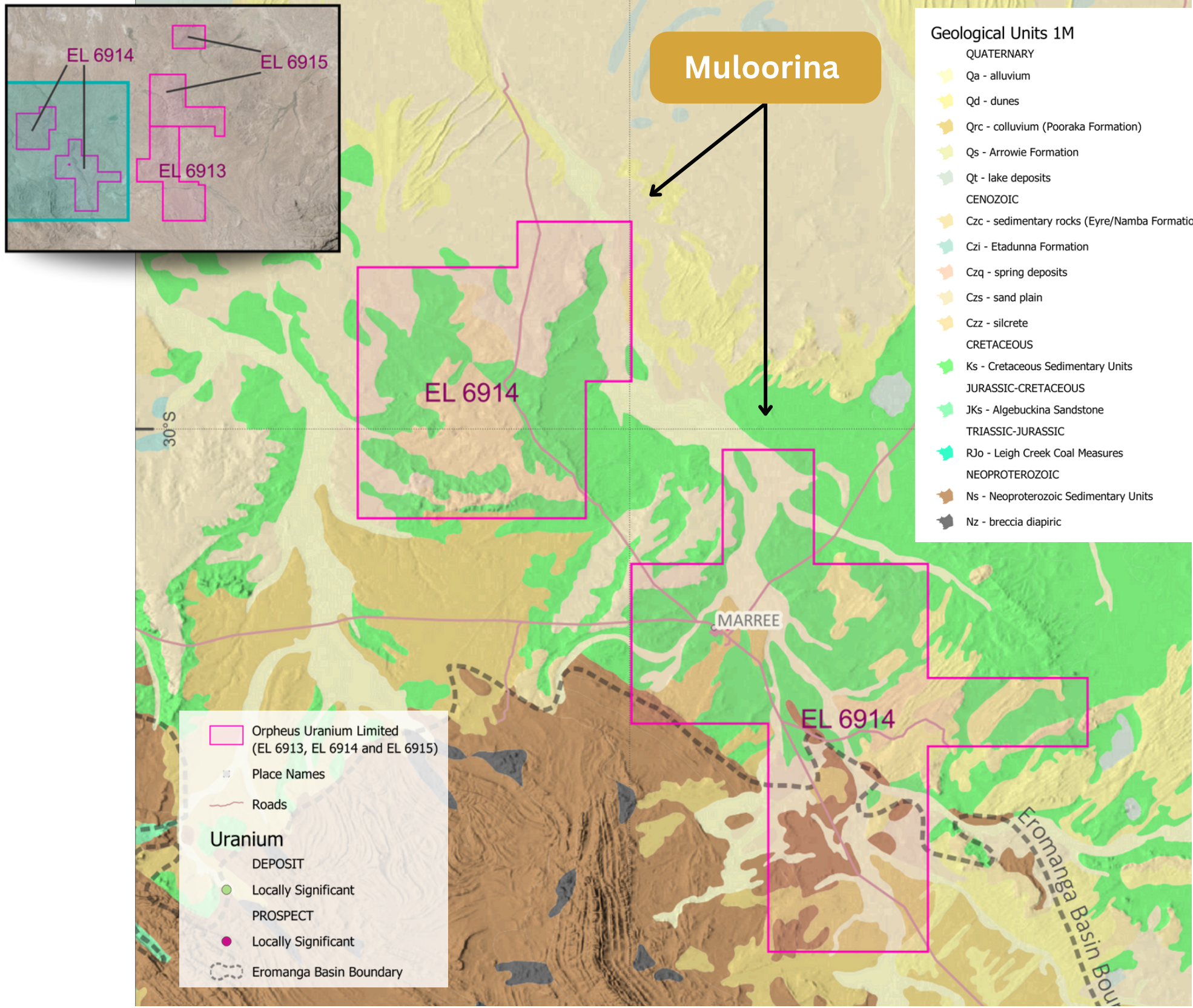
Licencee / Operator	Trachre Pty Ltd (100%)
Legal Area (Sq Km)	990
Start Date:	9 June 2023
Expiry Date:	8 June 2029
Commodity	Uranium



EL 6914 Muloorina

- Located 15km Northwest of Marree.
- The tenement's southwestern corner features Neoproterozoic basement units, which are often associated with uranium mineralisation in the region.
- Previous work includes an airborne electromagnetic (AEM) survey covering the eastern block, providing valuable geophysical data for further exploration.

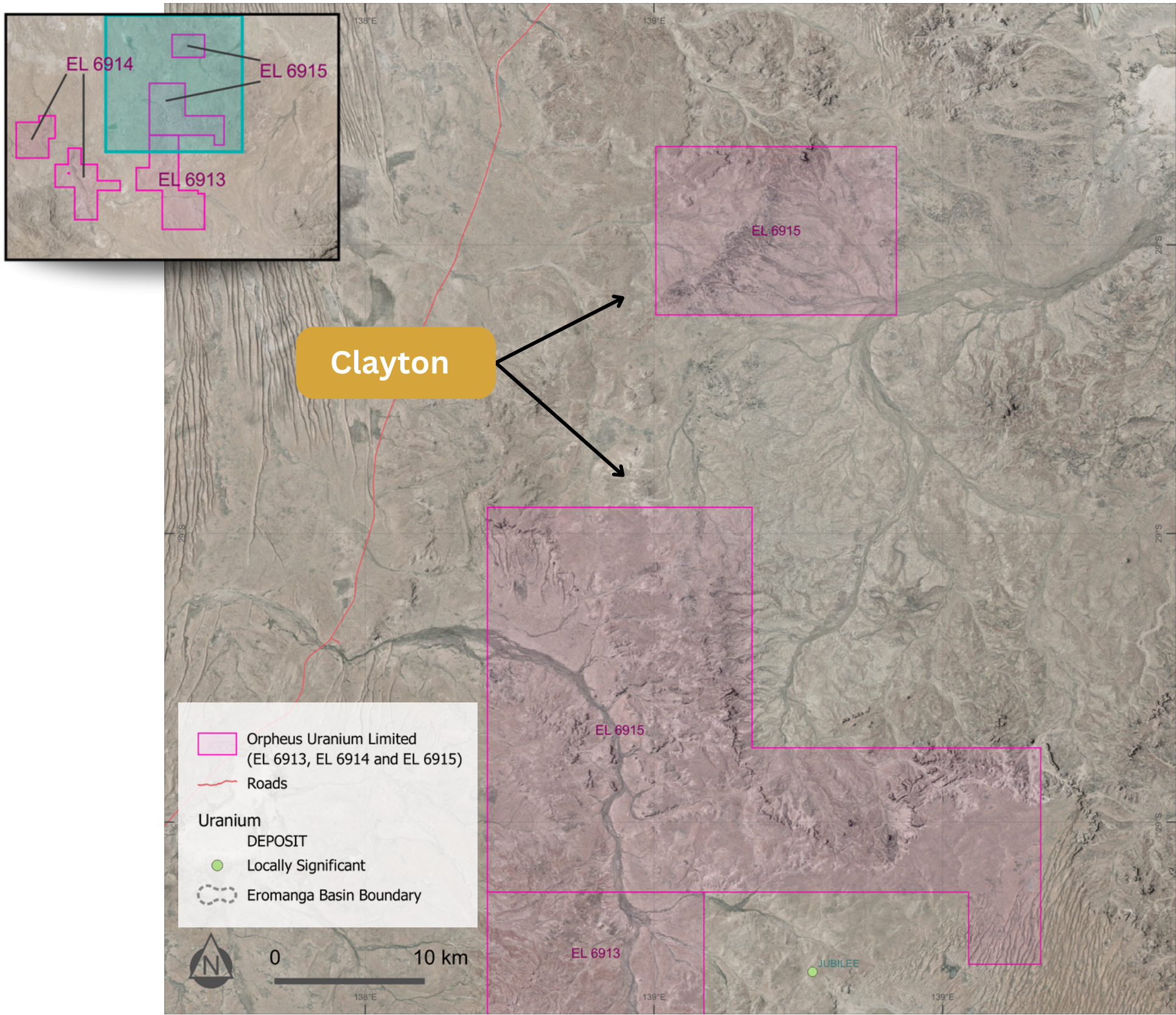
MARREE PROJECT



EL 6914 Muloorina

- The presence of both sedimentary basin and basement rocks within the tenement offers multiple exploration targets, including potential for both sandstone-hosted and unconformity-style uranium deposits.
- Surface geochemical conducted leaving room for discovery through more advanced exploration techniques and deeper investigation.

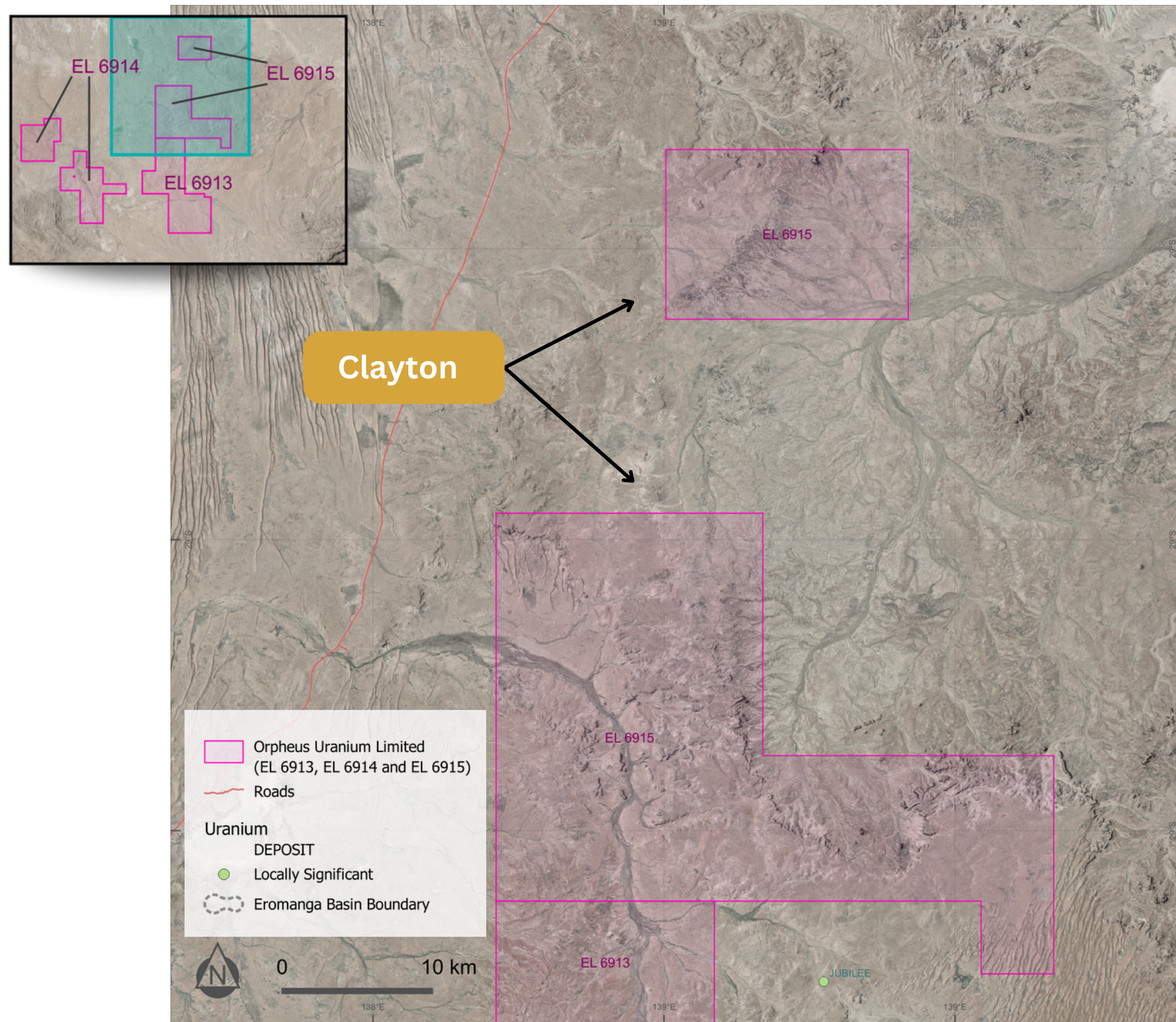
MARREE PROJECT



EL 6915 Clayton

Licencee / Operator	Trachre Pty Ltd (100%)
Legal Area (Sq Km)	978
Start Date:	9 June 2023
Expiry Date:	8 June 2029
Commodity	Uranium

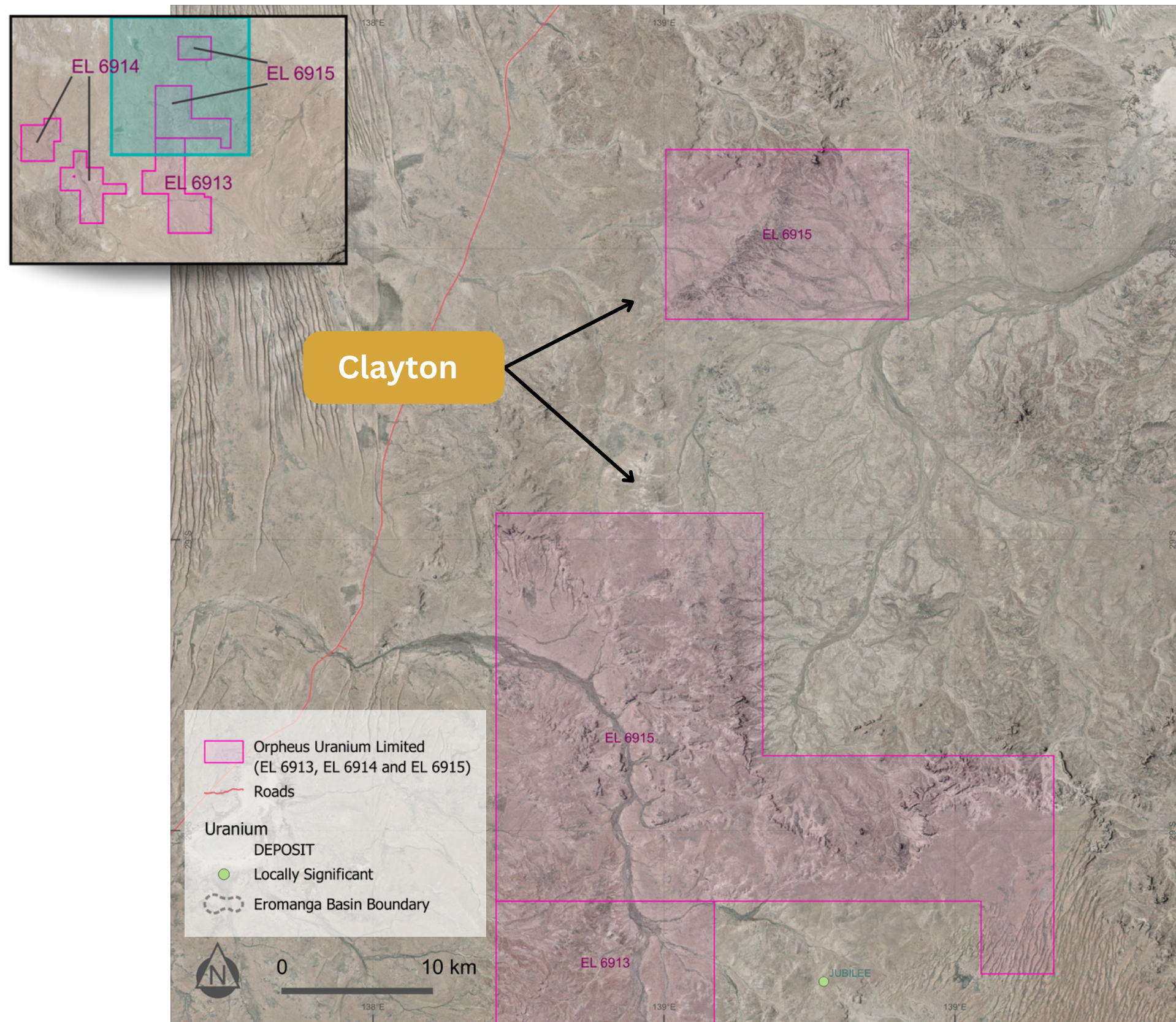
MARREE PROJECT



EL 6915 Clayton

- Located 60km Northeast of Marree.
- Detailed low-level airborne magnetic/radiometric/DEM survey has covered most of the northern block and part of the southern block.

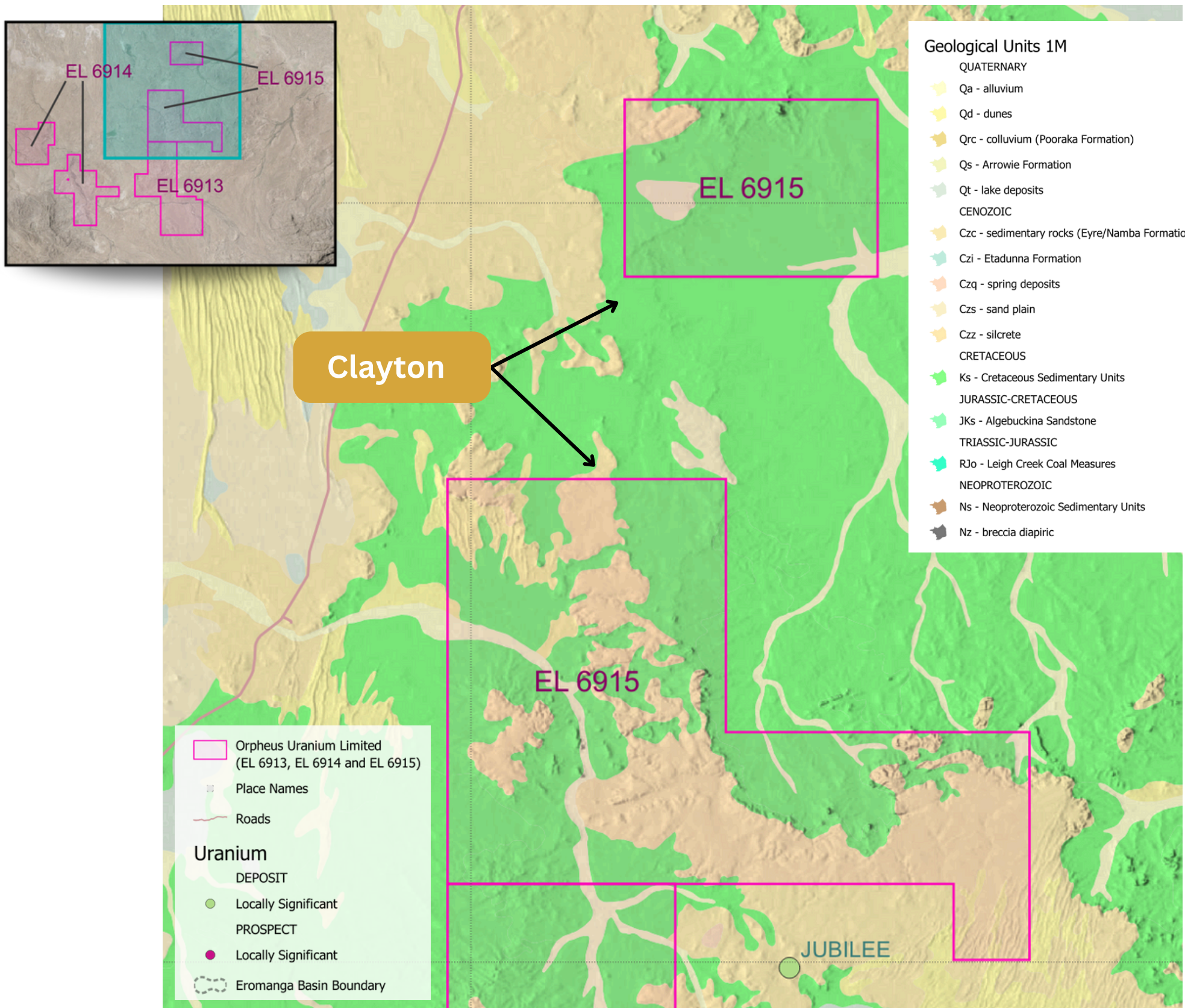
MARREE PROJECT



EL 6915 Clayton

- Significant uranium anomalies have been identified in the north-east, associated with mapped silcretes.
- The presence of carnotite within porous sandstone patches identified.

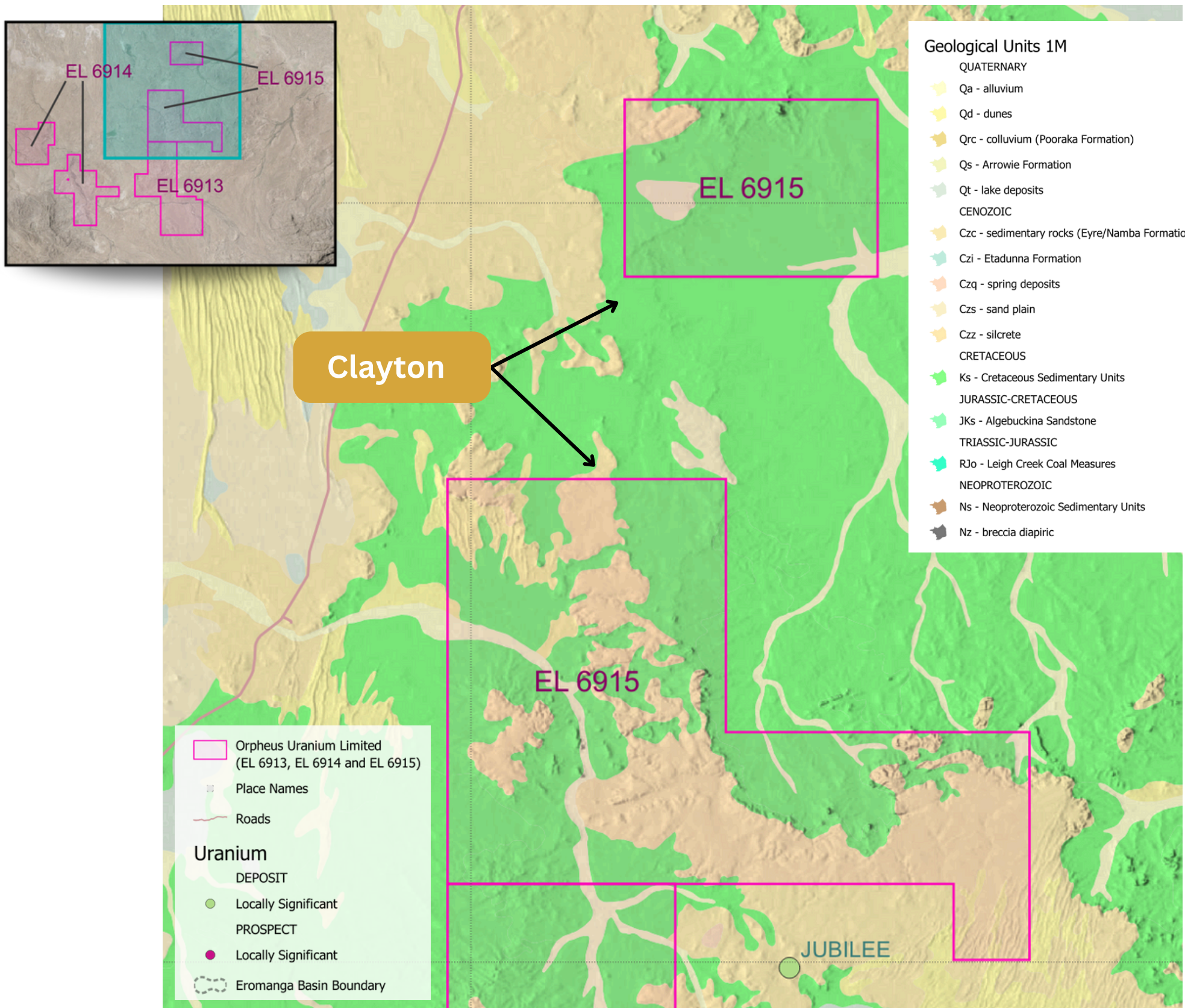
MARREE PROJECT



EL 6915 Clayton

- Recent drilling yielded encouraging results, with low-grade uranium mineralisation detected.
- Two of six drillholes in the Southern Block showed notable gamma responses, indicating potential for further discoveries.

MARREE PROJECT



EL 6915 Clayton

- The tenement is positioned in a region known for uranium mineralisation within the Beverley and Honeymoon deposits
- The presence of the Eyre and Namba Formations, which host sedimentary roll-front uranium occurrences in nearby deposits, suggests significant prosectivity.

MARREE PROJECT



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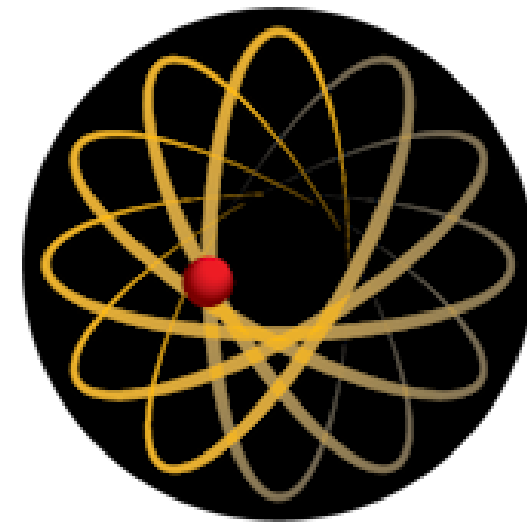
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info@amets.com.au

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