

Crossland Uranium Mines Limited

CROSS  **LAND**
People who know uranium



Australian uranium exploration projects in **NT** and **SA**,
from a group with extraordinary experience in uranium,
from exploration through to development.

Australia

World's No 1 Uranium Frontier

- ✗ The right projects
- ✗ The right people
- ✗ The right politics

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Uranium Mines Limited



Tenement register

- 10 project areas
- 9,500 sq km in three states
- 22 Titles - 17 granted
- 3 projects in uranium SA and NT
- 4 projects in diamonds in NT

ERA's Ranger Uranium Mine



Bob Cleary, CHAIRMAN

- Joined ERA as Ops Manager 1986
- 1989 GM operations at Ranger
- After Jabiluka acquisition in 1991, NT G. Manager
- Production peak of 5,400tpa uranium
- ERA deputy CEO looking after decline development on Jabiluka uranium deposit
- 1999-2004 CEO of ERA

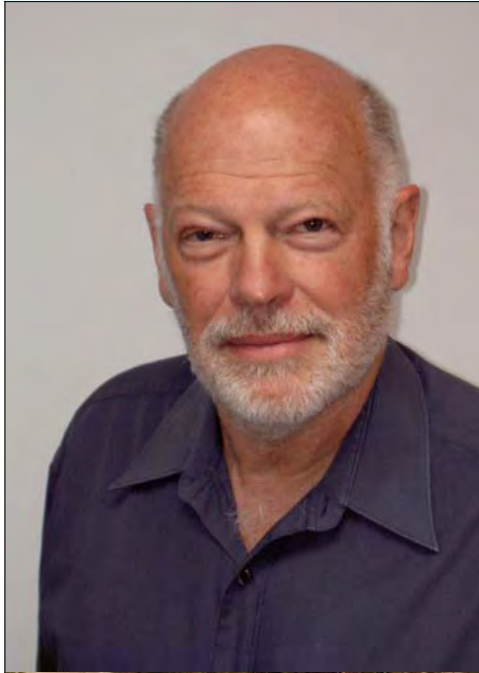
Geoff Eupene



Geoff Eupene's unique experience in the Alligator Rivers Uranium Field **spans 35 years, from 1970 when the big discoveries in ARUF were made**

- An expert in Unconformity- Related Uranium Deposits (URD) like Ranger and Jabiluka-
- **Managed Resource Evaluation of the Ranger orebodies for ERA float and Ranger development**
- Led the team that found the Ranger 68 deposit, buried by cover sediments, in 1976: perhaps the last major URD uranium discovery in North Australia.

Bob Richardson



- Bob Richardson - one of Australia's great exploration scientists
- An expert in uranium geophysics
- One of the minds behind the original wave of discoveries
- Crossland brings key members of the Ranger discovery team back together.
- Incisive interpretive skills
- A pioneer of quality airborne radiometric surveys



Peter Walker



- Deeply experienced in NT land access and resources Law
- Advised on Ranger and Jabiluka agreement
- Former director of Australian Diamond Exploration NL discoverer and developer of the Merlin mine



Decades of experience in uranium

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Geoff Eupene marking off
lease applications in 1975



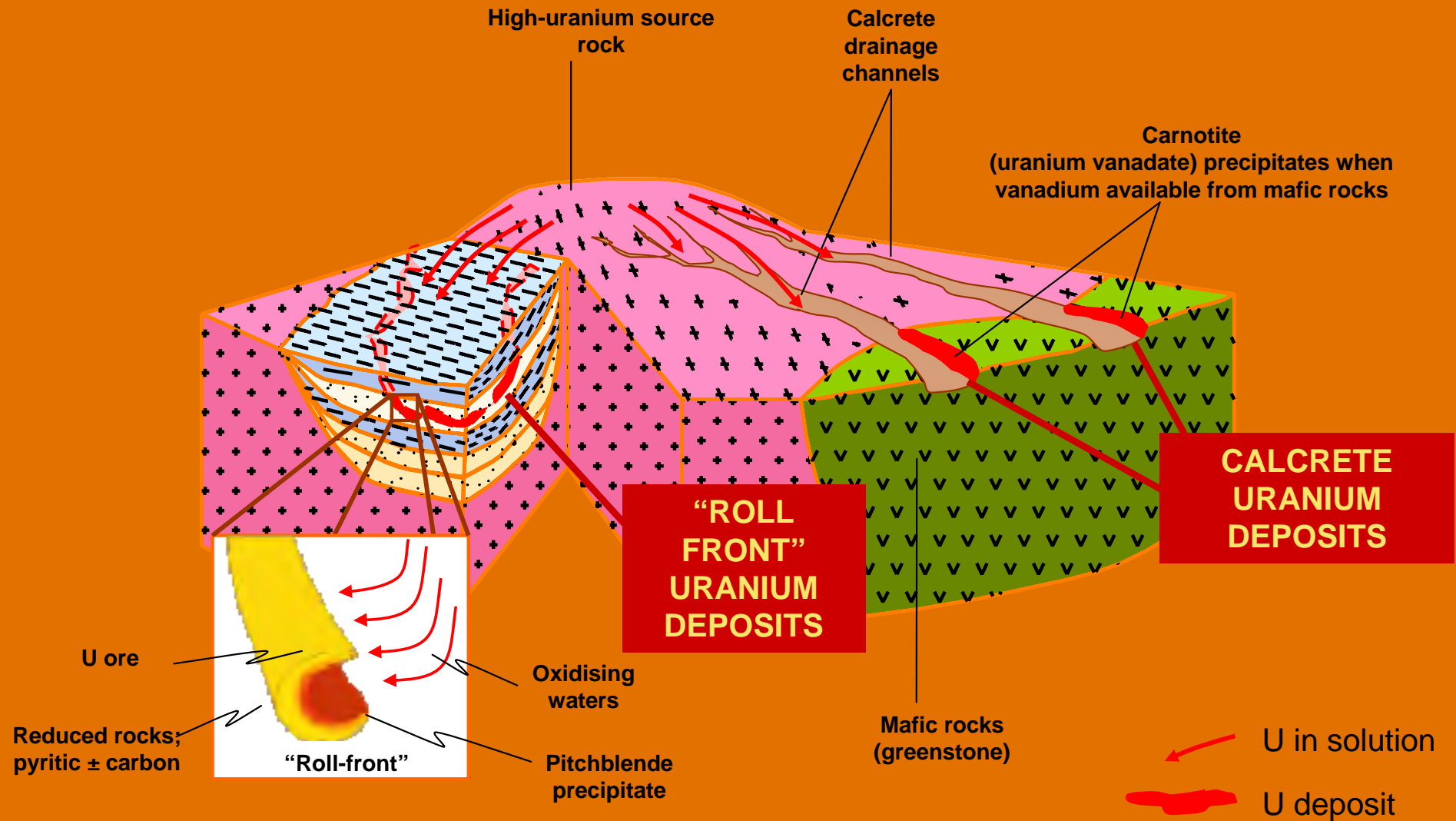
Bob Richardson with Gough
Whitlam at Jabiru in 1975 after
discovery of Ranger 1



Geoff Eupene explains mineralisation to
Resources Minister Dr Rex Paterson in 1975

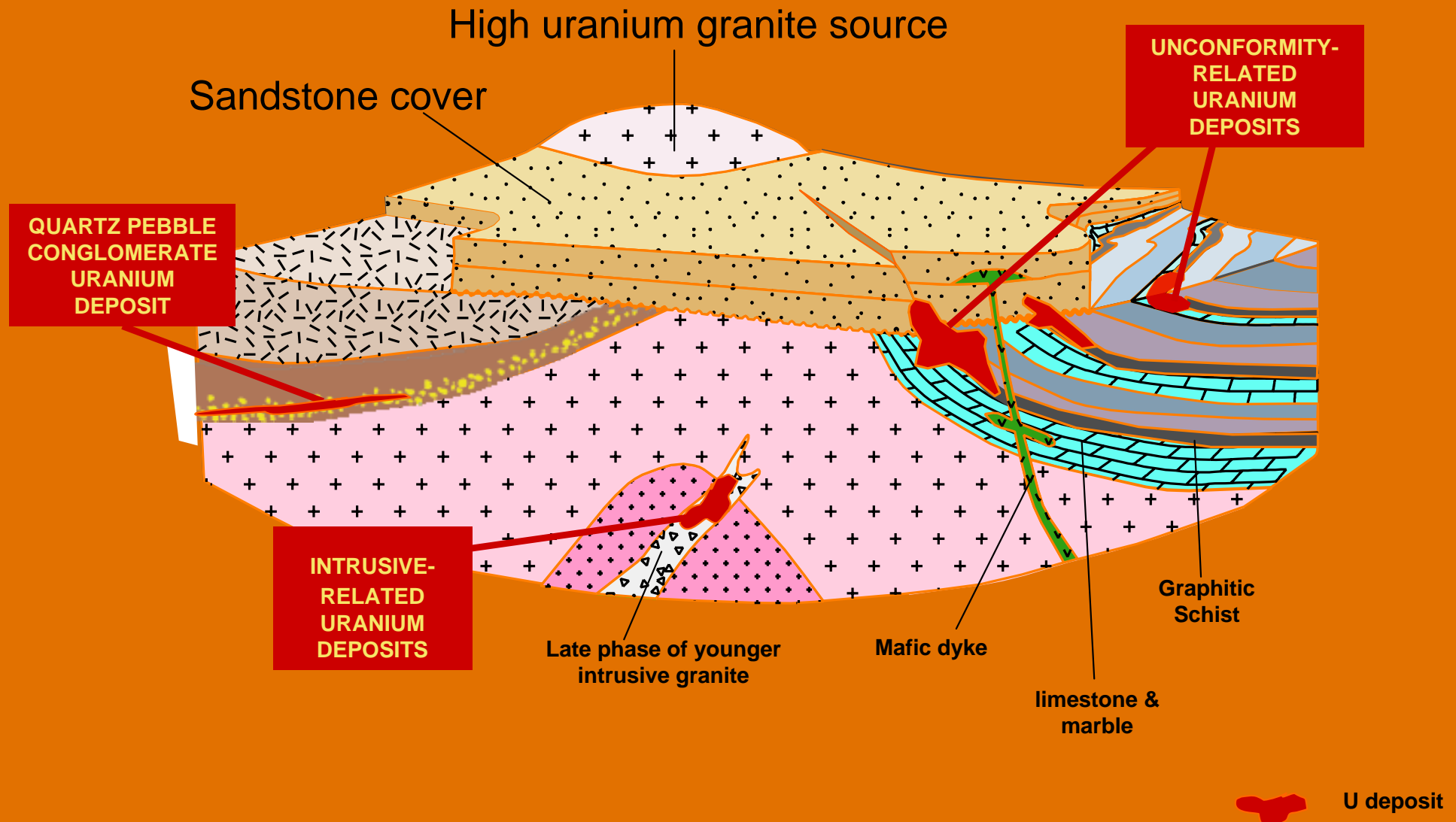
Major uranium deposit types-

A: “Soft Rock/ Surficial” Deposits



Major uranium deposit types-

B: “Hard Rock” Deposits



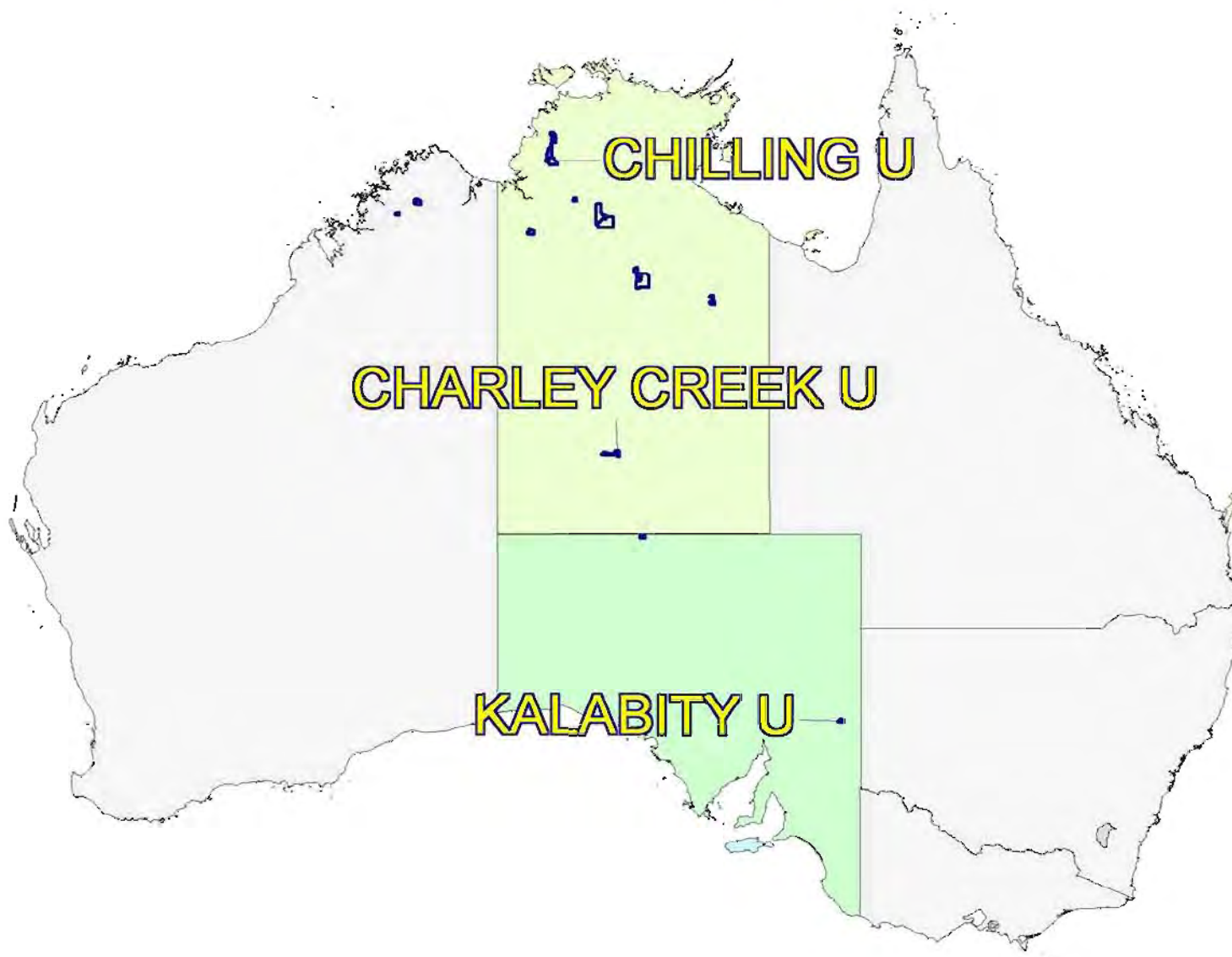
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Uranium Projects



10.08.2006

**Crossland's Uranium Projects are in the NT and SA
Where Uranium Miners are welcome...**



Australia's Northern Territory: The Top End





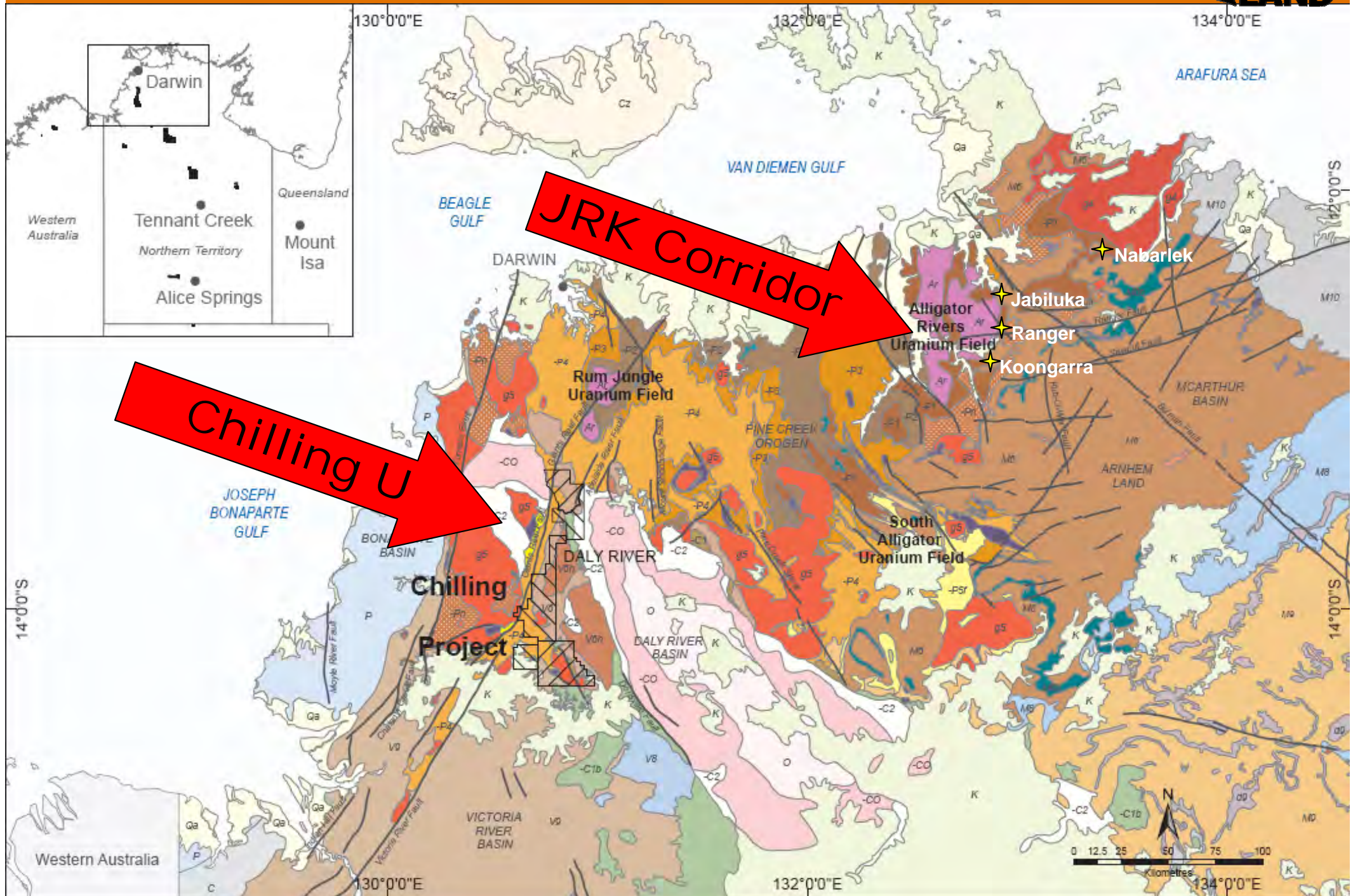
Chilling U Project

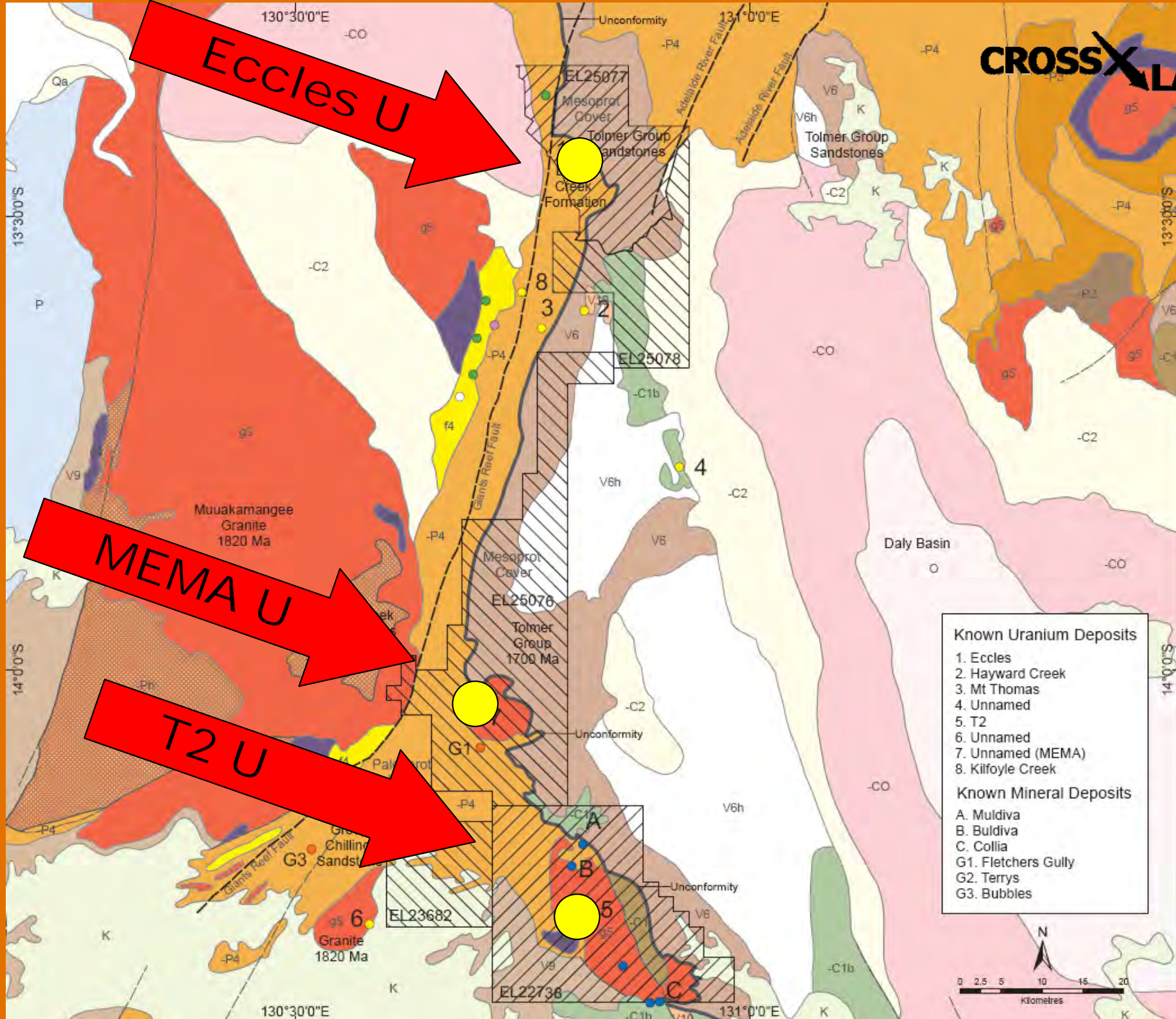
In the NT, South of Darwin

CUX flagship project, with
promising untested uranium
terrain

Chilling uranium

- This flagship area mirrors Jabiluka-Ranger-Koongarra Corridor of over 300,000t U_3O_8 in a similar geological setting.
- Covers 130km length of unconformity, prospective for deposits of the Ranger/Nabarlek/Rum Jungle style
- 1000km² granted titles, 800km² of applications – larger than the JRK Corridor





Chilling uranium



- Main target zone sparsely tested, but results encouraging, assays up to 0.395% U_3O_8 .
- Main target zone is beneath sandstone cover, as in West Arnhem Land and Saskatchewan, home of the world's richest uranium deposits
- Basement geology has interesting possibilities including Olympic Dam type mineralisation

Charley Creek



Project NT

West of Alice Springs

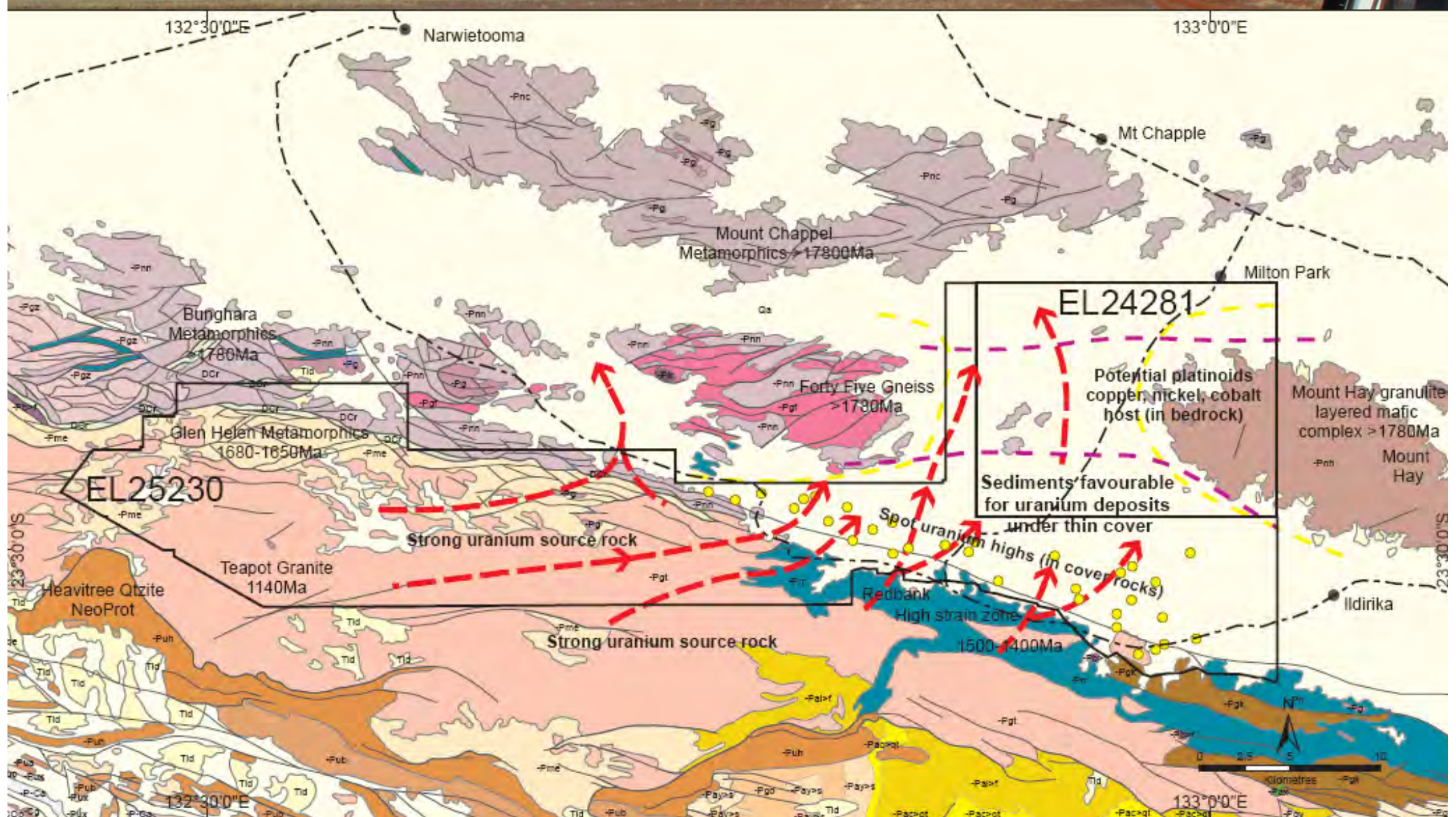


A photograph of a wind turbine on a rocky ridge overlooking a valley. The turbine is in the upper left corner, with its blades partially visible. The foreground is a rugged, reddish-brown rocky ridge with some sparse green vegetation. In the background, a wide valley stretches out, with distant mountains visible under a clear blue sky.

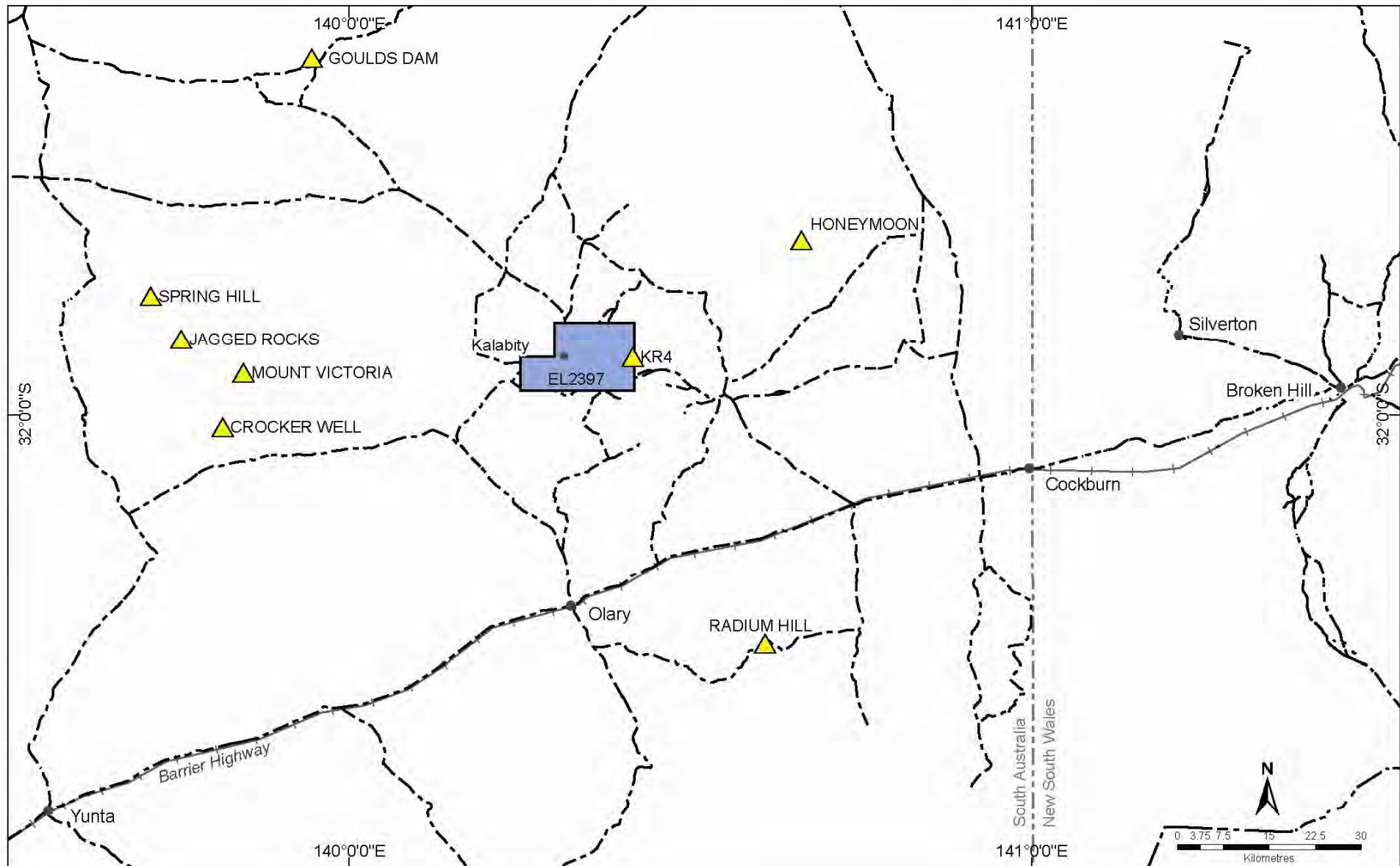
Charley Creek

- Two titles, 704km² total, all granted
- Title covers the 'HOT' Teapot Granite - visible secondary U mineralisation on fractures with values up to 0.23%U₃O₈. Teapot Granite is itself a uranium target.
- Also cover extensive drainages and sediment basins downstream of the Teapot Granite, prospective for calcrete and sandstone redox-style deposits.

Charley Creek



Kalabity Uranium



- Road
- State border
- + Rail line
- ▲ Uranium mine or occurrence



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Kalabity Project

Kalabity U

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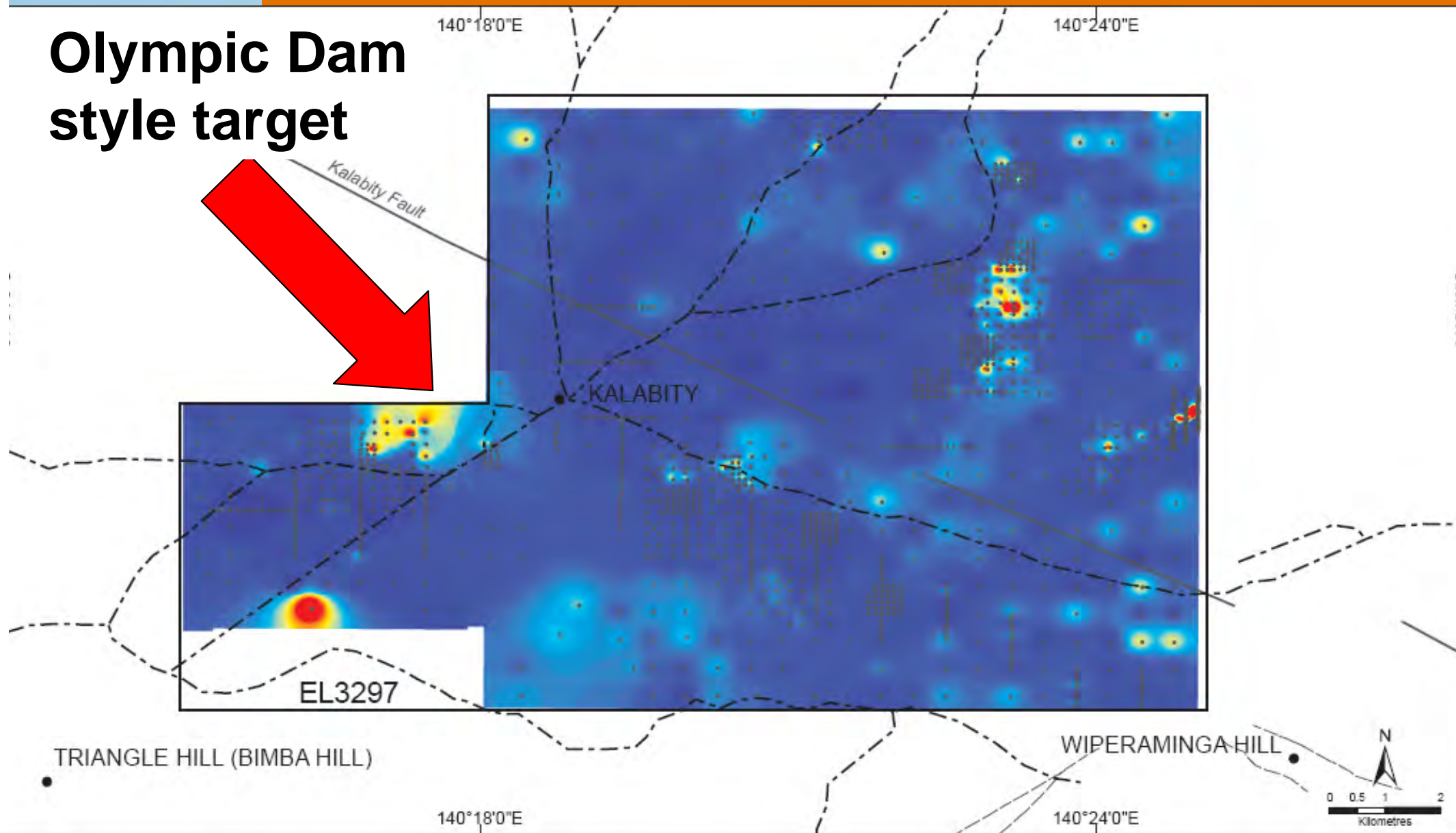
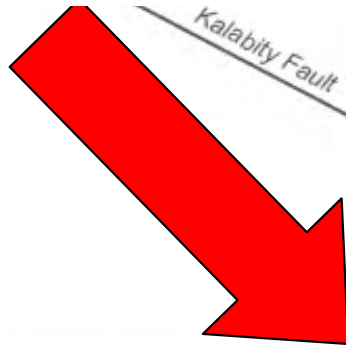


Kalabity U

- Curnamona Craton - host to Radium Hill, Honeymoon, Crockers Well
- Outcropping U mineralisation of the Radium Hill style, and prospective for Calcrete deposits;
- Surrounded by holdings of Pepinnini Minerals
- Scant testing and widespread evidence of uranium and base metals
- Also good targets for base metals and gold already identified and awaiting follow- up

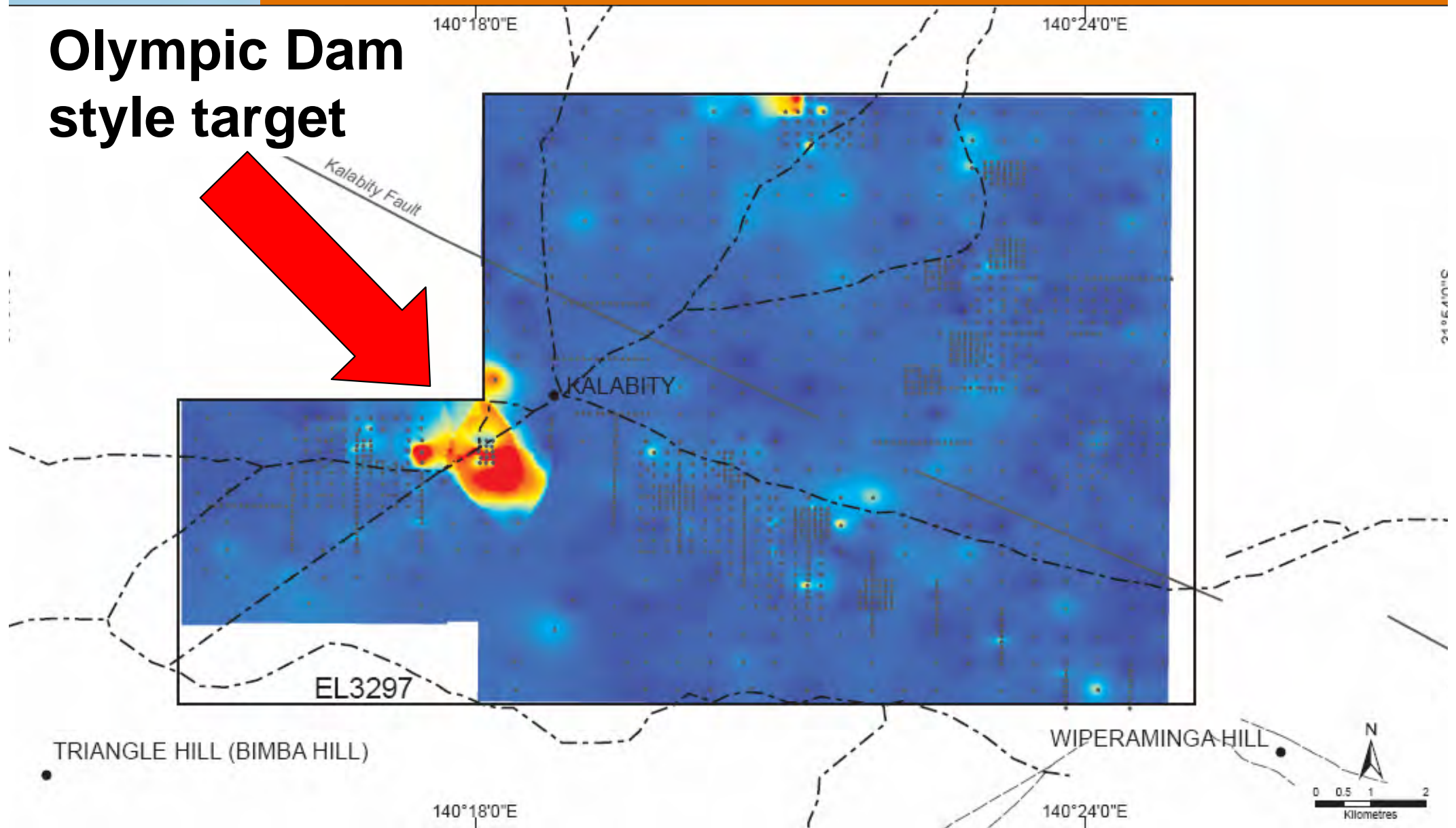
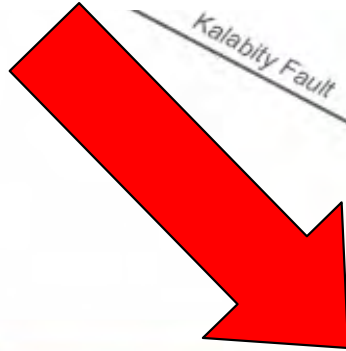
Kalabity uranium in calcrete

Olympic Dam
style target



Kalabity copper in calcrete

**Olympic Dam
style target**



Uranium Understanding

–Crossland's edge

- We **understand** uranium ore genesis
- We **understand** uranium exploration technology
- We **understand** uranium metallurgy
- We **understand** land access issues
- We **understand** the impacts of permitting issues

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People who know uranium

North Australia:

World's No 1

Uranium Frontier

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