



- Exploration for uranium is making a strong recovery in 2023–24.
- Past production > 146 000 t U₃O₈.
- Ranger uranium mine ceased production in January 2021 after 40 years of operation.
- World class unconformity-style uranium field in Alligator Rivers region of Pine Creek Orogen.
- Large sandstone-hosted deposits in central Australia.
- Numerous opportunities for new discoveries.

Under rehabilitation

Geological Province	Name	Company
Pine Creek Orogen	Ranger Uranium Mine	Energy Resources Australia Pty Ltd

Under feasibility

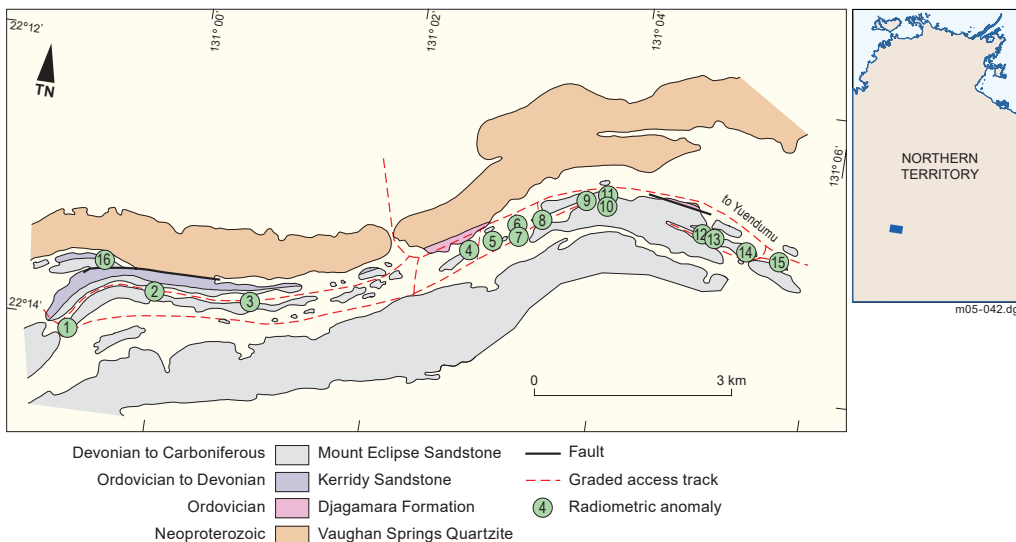
Geological Province	Name	Resource	Company
Ngalia Basin	Bigryli	7.94 Mt @ 0.137% U ₃ O ₈ , 0.127% V ₂ O ₅	Energy Metals Ltd
Pine Creek Orogen	Angularli	1.37 Mt @ 1.09% U ₃ O ₈	Deep Yellow Ltd

JORC resource

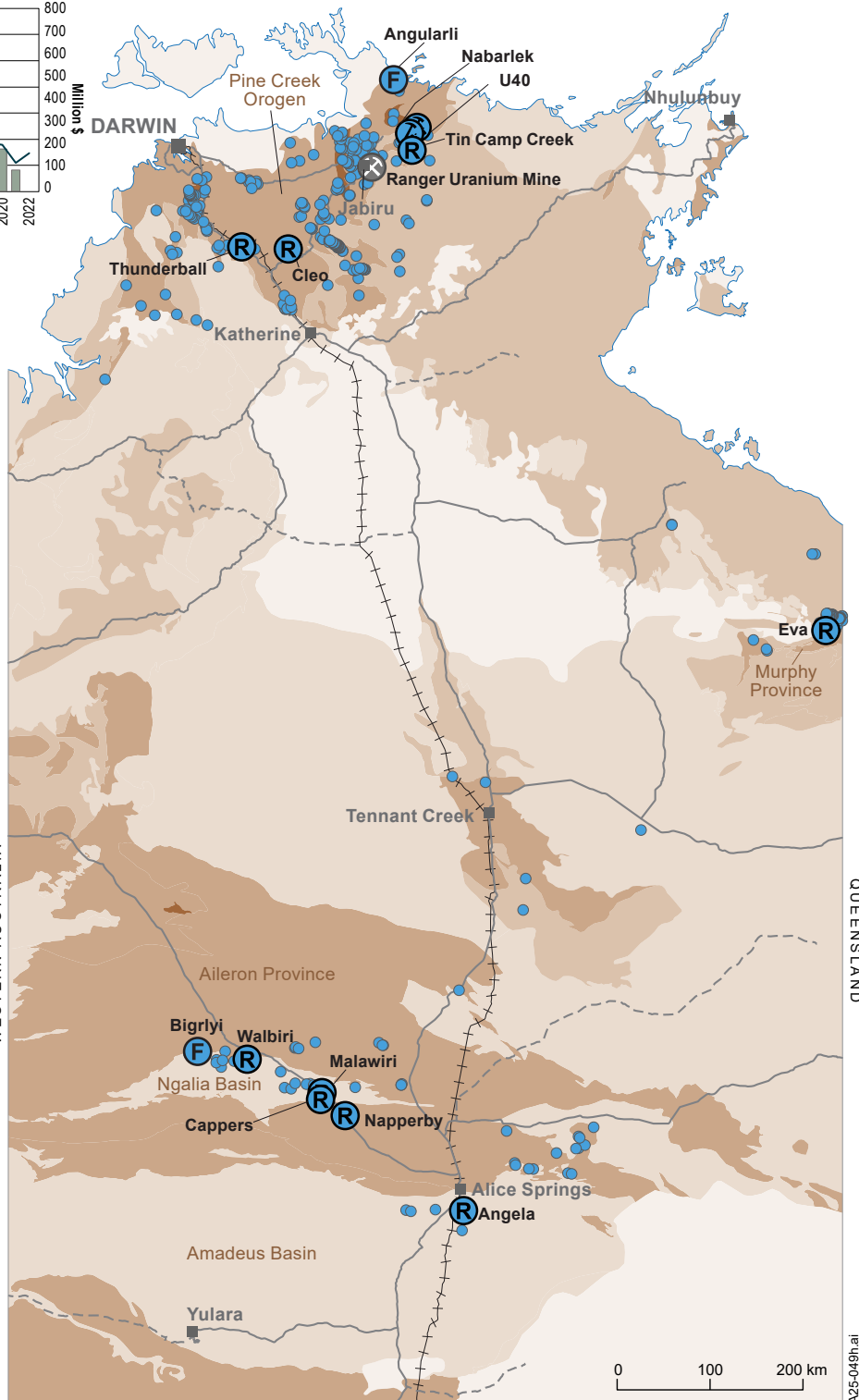
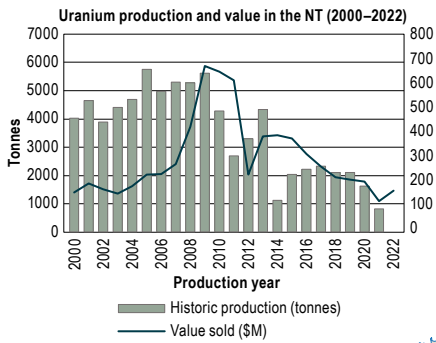
Geological Province	Name	Resource	Company
Aileron Province	Napperby	9.5 Mt @ 0.038% U ₃ O ₈	Core Lithium Ltd
Amadeus Basin	Angela	10.7 Mt @ 0.13% U ₃ O ₈	Elevate Uranium Ltd
Murphy Province	Eva	0.54 Mt @ 0.12% U ₃ O ₈	UAU Pty Ltd
Ngalia Basin	Cappers	22 Mt @ 0.015% U ₃ O ₈	Energy Metals Ltd
	Malawiri	0.42 Mt @ 0.13% U ₃ O ₈	
	Walbiri	10.98 Mt @ 0.064% U ₃ O ₈	
Pine Creek Orogen	Angularli	1.37 Mt @ 1.09% U ₃ O ₈	Deep Yellow Ltd
	Cleo	6.8 Mt @ 0.035% U ₃ O ₈	Kingsland Minerals Ltd
	Thunderball	1.05 Mt @ 0.08% U ₃ O ₈	Patronus Resources Ltd
	Tin Camp Creek	0.94 Mt @ 0.31% U ₃ O ₈	Alligator Energy Ltd

Exploration results

Geological Province	Name	Resource	Company
Ngalia Basin	Bigryli	Anomaly 4: 10.6 m @ 0.86% U ₃ O ₈ Anomaly 2: 5.1 m @ 0.45% U ₃ O ₈	Energy Metals Ltd
	Angularli	10.3 m @ 1.03% U ₃ O ₈	Deep Yellow Ltd
	Cleo	23 m @ 0.132% U ₃ O ₈	Kingsland Minerals Ltd
Pine Creek Orogen	Thunderball	15 m @ 1.35% U ₃ O ₈ (historic intercept)	PNX Metals Ltd
	Nabarlek	13 m @ 0.28% U ₃ O ₈	DevEx Resources Pty Ltd
	U40	27.8 m @ 0.1% U ₃ O ₈	



Uranium in Australia's Northern Territory



Total production
146,597 tonnes uranium oxide



Remaining JORC resources
>2000 tonnes uranium oxide

- operating mine
 - under rehabilitation
 - in approvals process
 - under feasibility
 - JORC resource
 - prospect
 - uranium occurrence
-
- Mesozoic–Cenozoic
 - Neoproterozoic–Palaeozoic
 - Palaeo–Mesoproterozoic basins
 - Palaeo–Mesoproterozoic orogens
 - Archaean

railway
 road
 minor road
 locality

A25-049h.ai

February 2025