



uranium

Important notes

- Long and continuous history of uranium mining since 1950s.
- Past production > 130,000 t U₃O₈.
- World class unconformity-style uranium field in Alligator Rivers region of Pine Creek Orogen.
- New uranium field discovered in Hayes Creek region of Pine Creek Orogen, including Thunderball deposit.
- Large sandstone-hosted deposits sourced from uranium-rich granites in central Australia.
- Numerous opportunities for new discoveries.



Ranger uranium mine

current activity

operating mine

region	mine	annual production	current resource	company
Pine Creek Orogen	Ranger	2351 t U ₃ O ₈ (2016)	62.82 Mt @ 0.106% U ₃ O ₈	Energy Resources of Australia Ltd

advanced projects

region	deposit	resource	company
Amadeus Basin	Angela	10.7 Mt @ 0.13% U ₃ O ₈	Paladin Energy Ltd
Arunta Region	Nolans Bore	56 Mt @ 0.02% U ₃ O ₈ , 2.6% REO, 11% P ₂ O ₅	Arafura Resources Ltd
Ngalia Basin	Bigrlyi	7.5 Mt @ 0.13% U ₃ O ₈ , 0.12% V ₂ O ₅	Energy Metals Ltd
	Bigwest	0.407 Mt @ 0.036% U ₃ O ₈	Energy Metals Ltd
	Hill One	0.01 Mt @ 0.021% U ₃ O ₈	Energy Metals Ltd
	Karins	1.2 Mt @ 0.056% U ₃ O ₈	Energy Metals Ltd
	Sundberg	0.26 Mt @ 0.028% U ₃ O ₈	Energy Metals Ltd
	Walbiri	5.1 Mt @ 0.064% U ₃ O ₈	Energy Metals Ltd
	Pine Creek Orogen	Caramal	0.94 Mt @ 0.31% U ₃ O ₈
Ranger 3 Deeps		19.58 Mt @ 0.224% U ₃ O ₈	Energy Resources of Australia Ltd
Thunderball		1.05 Mt @ 0.08% U ₃ O ₈	Rockland Resources Pty Ltd

undeveloped projects

region	deposit	resource	company
Arunta Region	Napperby (New Well)	9.34 Mt @ 0.036% U ₃ O ₈	Deep Yellow Ltd
Murphy Inlier	Eva	0.54 Mt @ 0.12% U ₃ O ₈	Verdant Minerals Ltd
Pine Creek Orogen	Jabiluka	25.12 Mt @ 0.55% U ₃ O ₈	Energy Resources of Australia Ltd
	Mount Fitch	5.03 Mt @ 0.036% U ₃ O ₈	Compass Resources Ltd
Ngalia Basin	Cappers	22 Mt @ 0.0145% U ₃ O ₈	Energy Metals Ltd

recent exploration highlights

region	deposit	drill intersection	company
Ngalia Basin	Camel Flat	5 m @ 1.33% U ₃ O ₈	Energy Metals Ltd
Pine Creek Orogen	Beatrice	19 m @ 0.363% U ₃ O ₈	Alligator Energy Ltd
	Cliff South	49 m @ 0.08% U ₃ O ₈	Thundelarra Ltd
	Gorrunghar	7 m @ 0.29% U ₃ O ₈	Alligator Energy Ltd
	Ranger 3 Deeps	50 m @ 0.8% U ₃ O ₈	Energy Resources of Australia Ltd

Other companies with exploration projects include: Cauldron Energy Ltd, Compass Resources Ltd, Eclipse Metals Ltd, Lagoon Creek Resources, Oz Uranium Pty Ltd, Toro Energy Ltd.

uranium

