

manganese, tungsten, molybdenum, vanadium, nickel, titanium

important notes

- World-class, low-cost manganese mine at Groote Eylandt producing more than 15% of global production.
- Major vanadium-titanium magnetite resource discovered at Mount Peake, with a metallurgical process developed to produce vanadium pentoxide, titanium, iron ore and potentially ferrovandium.
- Molyhil tungsten-molybdenum project ready to be developed.
- New nickel-sulfide systems recently discovered in Arunta Region.
- Large ilmenite sand resource in Roper River area.
- High greenfields tungsten, vanadium and nickel potential, especially in central Australia.



Groote Eylandt Mn ore

current activity

operating mines

region	mine	annual production	current resource	company
Carpentaria Basin	Groote Eylandt	4.99 Mt (2016–17)	157 Mt @ 44.1% Mn	South32 Ltd
Tomkinson Province	Bootu Creek	0.66 Mt (2017)	20.5 Mt @ 22.24% Mn	OM Holdings

advanced projects

region	deposit	resource	company
Arunta Region	Molyhil	4.71 Mt @ 0.28% WO ₃ , 0.13% MoS ₂ , 18.1% Fe ₂ O	Thor Mining PLC
	Mount Peake	160.4 Mt @ 0.28% V ₂ O ₅ , 5.3% TiO ₂ , 23% FeO ₂ ,	TNG Ltd
Ngalia Basin	Bigryli	7.5 Mt @ 0.12% V ₂ O ₅ , 0.13% U ₃ O ₈	Energy Metals Ltd

undeveloped deposits

region	deposit	resource	company
Arunta Region	Prospect D	1.57 Mt @ 0.25% Ni, 0.62% Cu (sulfide) *	Kidman Resources Ltd
		1.63 Mt @ 0.15% Ni, 0.52% Cu (oxide) *	
Carpentaria Basin	South Rosie Creek	5 Mt @ 25% Mn*	MMG Ltd
Davenport Province	Hatches Creek	225 006 t @ 0.58% WO ₃ (stockpiles)	GWR Group Ltd

- denotes non-JORC compliant resource

recent exploration highlights

region	deposit	drill intersection	company
Arunta Region	Baldrick	9 m @ 0.48% Ni, 0.37% Cu	Mithril Resources Ltd
	Jervois vanadium	49 m @ 0.96% V ₂ O ₅ , 8.55% TiO ₂ , 34.5% Fe	Arafura Resources Ltd
	Prospect D	6 m @ 0.6% Ni, 1.4% Cu	Kidman Resources Ltd
Davenport Province	Hatches Creek	9 m @ 2.03% WO ₃ , 0.18% Cu, 0.05% Mo	GWR Group Ltd
		69 m @ 0.23% WO ₃ , 0.34% Cu	
Pine Creek Orogen	Nipper	21 m @ 0.32% WO ₃	Thundelarra Ltd

Other companies with exploration projects include: Conarco Minerals Pty Ltd, Independence Group NL, MMG Ltd, Mineral Resources Ltd, Pacifico Minerals Ltd, Scriven Exploration Pty Ltd, Universal Splendour Investments Pty Ltd

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