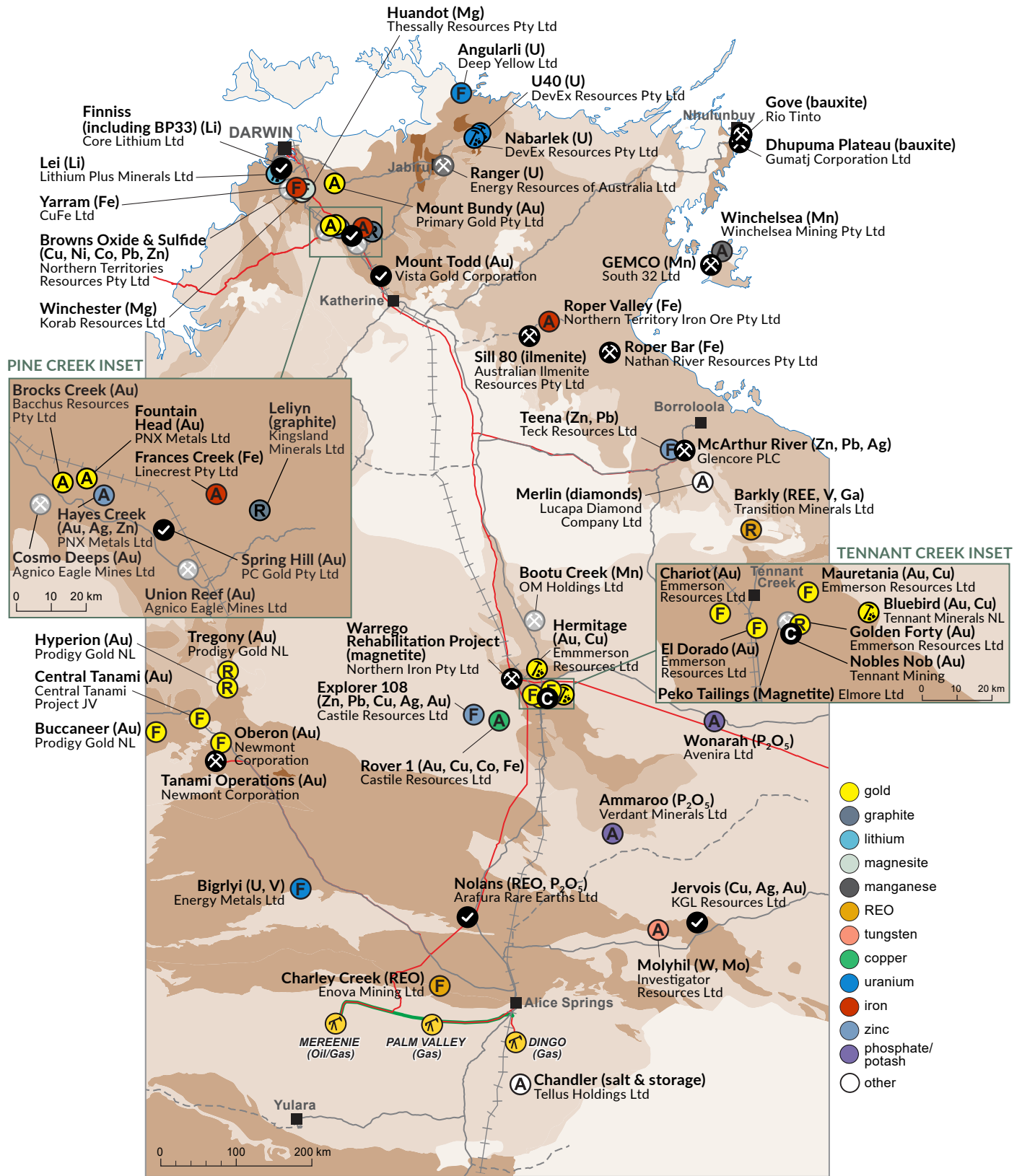


RESOURCING THE TERRITORY

Northern Territory major mines and projects



- gold
- graphite
- lithium
- magnesite
- manganese
- REO
- tungsten
- copper
- uranium
- iron
- zinc
- phosphate/potash
- other

+++ railway — road -- minor road ■ locality

 Mesozoic–Cenozoic	 Neoproterozoic–Palaeozoic	 Palaeo–Mesoproterozoic basins	 Palaeo–Mesoproterozoic orogens	 Archaean	⚙️ producing oil/gas field	— oil pipeline
⚙️ operating mine	⚙️ under rehabilitation	⚙️ under construction	⚙️ approvals in place	⚙️ in approvals process	⚙️ under feasibility	— gas pipeline
⚙️ JORC resource	⚙️ prospect					

October 2024

resourcingtheterritory.nt.gov.au

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Operating mines

Commodity	Name	Annual production	Resource	Company	Website
Bauxite	Gove	11.6 Mt bauxite (2023)	67.4 Mt @ 49.7% Al ₂ O ₃	Rio Tinto	riotinto.com
	Dhupuma Plateau	Average 0.7–0.8 Mt per annum	JORC resource not publicly announced	Gumatj Corporation Ltd	gulkula.com
Gold	Tanami Operations	13.7 t Au (483,000 ounces Au) (2022–23)	87.9 Mt @ 3.5 g/t Au	Newmont Corporation	newmont.com
Iron Ore	Roper Bar	Re-commenced	279 Mt @ 41.5% Fe inc. 28 Mt DSO @ 59.4 % Fe	Nathan River Resources Pty Ltd	nathan-river.com
Ilmenite	Sill 80	47,500 t ilmenite (2022–23)	JORC resource not publicly announced	Australian Ilmenite Resources Pty Ltd	ilmenite.com.au
Manganese	GEMCO	5.9 Mt Mn concentrate (2022–23)	123 Mt @ 43.6% Mn (ROM) and 12 Mt @ 20% Mn (Sands)	South 32 Ltd	south32.net
Zinc, Lead, Silver	McArthur River	262,200 t Zn 50,400 t Pb, 1,292 Moz Ag (2023)	140 Mt @ 9.81% Zn, 4.42% Pb, 44.9 g/t Ag	Glencore PLC	mcarthurrivermine.com.au
Magnetite	Warrego Rehabilitation Project	Proposed 1.2 Mtpa magnetite concentrate (wet tonnes)	9.11 Mt of stockpiles (with 2.92 Mt @ 67.1% Fe)	Northern Iron Pty Ltd	northern-iron.com.au

Developing projects In construction

Commodity	Name	Resource	Company	Website
Gold	Nobles Nob	>500 000 ounces (inc. Tennant Mining – Emmerson Resources JV resources)	Tennant Mining	tennantmining.com.au

Approvals in place

Commodity	Name	Resource	Company	Website
Copper, Silver, Gold	Jervois	23.37 Mt @ 2.02% Cu, 26 g/t Ag, 0.26 g/t Au	KGL Resources Ltd	kgresources.com.au
	Spring Hill	25.6 Mt @ 1.00 g/t Au (0.5 g/t Au cutoff)	PC Gold Pty Ltd	pcgold.com.au
Gold	Mount Todd	364.4 Mt @ 0.81 g/t Au	Vista Gold Corporation	vistagold.com
	BP33	10.5 Mt @ 1.53% Li ₂ O (included in Finniss* global resource of 48.2 Mt @ 1.26% Li ₂ O)	Core Lithium Ltd	corelithium.com.au
Rare Earth Elements, Phosphate	Nolans	56 Mt @ 2.6% REO, 11% P ₂ O ₅	Arafura Rare Earths Ltd	arultd.com

In approvals process

Commodity	Name	Resource	Company	Website
Gold	Brocks Creek	4.2 Mt @ 0.75 g/t Au (Woolwonga Mineralised Waste) 10.9 Mt @ 0.9 g/t Au (Woolwonga Hard Rock) 20.1 Mt @ 0.9 g/t Au (Brocks Creek Hard Rock)	Bacchus Resources Pty Ltd	
	Mount Bundy	109 Mt @ 0.9 g/t Au (Rustlers & Quest OP) 1.1 Mt @ 8.9 g/t Au (Toms Gully UG)	Primary Gold Pty Ltd	
	Fountain Head	2.94 Mt @ 1.7 g/t Au (Fountain Head); 2.1 Mt @ 1.2 g/t Au (Glencoe); 681 kt @ 2.2 g/t Au (Mount Porter)	PNX Metals Ltd	pnxmetals.com.au
Gold, Copper, Cobalt, Magnetite	Rover 1	5.58 Mt @ 1.76 g/t Au, 1.49% Cu, 0.07% Co, 23.2% magnetite	Castile Resources Ltd	castile.com.au
Gold, Silver, Zinc	Hayes Creek	4.1 Mt @ 4.35% Zn, 1.81 g/t Au, 124 g/t Ag, 0.91% Pb and 0.25% Cu	PNX Metals Ltd	pnxmetals.com.au
Diamonds	Merlin	27.8 Mt @ 0.16 ct/t diamonds	Lucapa Diamond Company Ltd	lucapa.com.au
Iron Ore	Frances Creek	23 Mt @ 53% Fe	Linecrest Pty Ltd	
	Roper Valley	529.3 Mt @ 42.9% Fe incl. 41.1 Mt @ 57.8% Fe	Northern Territory Iron Ore Pty Ltd	
Manganese	Winchelsea	18.9 Mt @ 24.0 % Mn	Winchelsea Mining Pty Ltd	wmining.com.au
	Ammaroo	1,145 Mt @ 14% P ₂ O ₅ (10% cut-off)	Verdant Minerals Ltd	verdantminerals.com.au
Phosphate	Wonarah	66 Mt @ 30% P ₂ O ₅ (27% cut-off); 812 Mt @ 18.1% P ₂ O ₅ (15% cut-off)	Avenira Ltd	avenira.com
	Salt & storage	Chandler	309 Mt halite (NaCl)	Tellus Holdings Ltd
Tungsten, Molybdenum	Molyhil	4.65 Mt @ 0.26% WO ₃ , 0.09% Mo	Investigator Resources Ltd	investres.com.au

Under feasibility

Commodity	Name	Resource	Company	Website
Gold	Chariot	0.56 Mt @ 7.8 g/t Au	Emmerson Resources Ltd	emmersonresources.com.au
	Central Tanami Project	14.47 Mt @ 2.89 g/t Au	Central Tanami Project JV	nsrltd.com
	Oberon	4.45 Mt @ 2.9 g/t Au	Newmont Corporation	newmont.com
	Buccaneer	9.2 Mt @ 1.2 g/t Au	Prodigy Gold NL	prodigygold.com.au
	Eldorado	0.445 Mt @ 4.9 g/t Au	Emmerson Resources Ltd	emmersonresources.com.au
Iron Ore	Mauretania	0.26 Mt @ 3.5 g/t Au		
	Yarram	12.7 Mt at 55.4% Fe	CuFe Ltd	felimited.com.au
Magnesite	Huandot	9.1 Mt @ 44.3% MgO	The Sally Resources Pty Ltd	thesally.com.au
	Winchester	16.6 Mt @ 43.2% MgO	Korab Resources Ltd	korabresources.com.au
Rare Earth Elements	Charley Creek	805 Mt @ 0.029% REO and 0.05% Zircon	Enova Mining Ltd	enovamining.com
Uranium	Angularli	1.37 Mt @ 1.09% U ₃ O ₈	Deep Yellow Ltd	deepyellow.com.au
	Bigryli	7.5 Mt @ 0.13% U ₃ O ₈ 0.12% V ₂ O ₅	Energy Metals Ltd	energymetals.net
Zinc, Lead	Teena	58 Mt @ 11.1% Zn, 1.6% Pb	Teck Resources Ltd	teck.com
Zinc, Lead, Copper, Silver, Gold	Explorer 108	11.9 Mt @ 3.2% Zn, 2.0% Pb, 11.1 g/t Ag	Castile Resources Ltd	castile.com.au

Advanced and early exploration

Commodity	Name	Resource	Company	Website
Gold	Tregony	1.56 Mt @ 1.3 g/t Au		
	Hyperion	8.64 Mt @ 1.5 g/t Au	Prodigy Gold NL	prodigygold.com.au
	Golden Forty	0.935 Mt @ 4.5 g/t Au	Emmerson Resources Ltd	emmersonresources.com.au
Graphite	Leliyn	194.6 Mt @ 7.3% total graphitic carbon	Kingsland Minerals Ltd	kingslandminerals.com.au
Lithium	Lei	4.09 Mt @ 1.43 % Li ₂ O	Lithium Plus Minerals Ltd	lithiumplus.com.au
REE, Vanadium, Gallium	Barkly	40 Mt @ 0.21% TREO and 200 Mt @ 0.12% V ₂ O ₅ , 30 ppm Ga	Transition Minerals Ltd	transitionminerals.com
Commodity	Name	Exploration results	Company	Website
Gold, Copper	Hermitage	20 m @ 1.5% Cu, 0.6 g/t Au, 0.7% Bi, 9.6 g/t Ag, 0.05% Co, 11 m @ 4.1 g/t Au	Emmerson Resources Ltd	emmersonresources.com.au
	Bluebird	61.8 m @ 2.3% Cu, 0.4 g/t Au	Tennant Minerals NL	tennantminerals.com
Lithium	Finniss	Ah Hoy: 40 m @ 1.42% Li ₂ O; Seadog: 8 m @ 1.3% Li ₂ O; BP33: 90.17 m @ 1.80% Li ₂ O	Core Lithium Ltd	corelithium.com.au
Uranium	Nabarlek	13 m @ 0.28% U ₃ O ₈		
	U40	5 m @ 0.54% U ₃ O ₈	DevEx Resources Pty Ltd	devexresources.com.au

* currently in Care and maintenance