Department of **Mines, Petroleum and Exploration**

GOVERNMENT OF WESTERN AUSTRALIA

Investment Opportunities

Niobium (Nb)



Western Australia hosts world-class niobium deposits

All data extracted as at: September 2026

Niobium projects with resources ranked by contained Nb_2O_5 (kt) as at September 2026

Mineral Resource Estimates reported in accordance with JORC (2012) unless otherwise stated

	Project	Status	Owner	Resources (Mt)	Av. grade Nb_2O_5 (%)	Contained Nb_2O_5 (kt)	Resource date
	West Arunta	Exploration	WA1 Resources	223.00	0.96	2,137.6	13/05/2026
	Aileron	Exploration	Encounter Resources	119.70	0.77	918.9	22/04/2026
	Mt Weld+	Operating	Lynas Rare Earths	37.70	1.07	404.7	06/10/2004
	Cummins Range	Scoping	RareX	524.30	0.06	306.2	25/01/2024
	Brockman	Scoping	Hastings Technology Metals	41.60	0.35	145.6	30/09/2021
	Mangaroon	Exploration	Dreadnought Resources	10.84	0.22	23.8	28/08/2023
	Yangibana	Feasibility	Wyloo / Hastings Technology Metals	6.74	0.23	15.5	04/09/2024
	Lyons	Exploration	Fortuna Metals	0.69	0.23	1.6	25/10/2023
	Londonderry	Exploration	ARM Mining	10.30	0.01	1.1	28/07/2018
	Mt Deans#	Exploration	Strindberg family	9.10	0.01	0.5	31/01/2002

	Project	Status	Owner	Resources (Mt)	Av. grade Nb (%)	Contained Nb (kt)	Resource date
	Split Rocks*	Exploration	Zenith Minerals	11.90	0.01	0.9	28/09/2023

Trachytic tuff host rock | Regolith and / or carbonatite host rock | Pegmatite

Resource Estimates have been rounded
\+ Mineral Resource reported in accordance with JORC 2004, niobium–tantalum rich subset of the Mt Weld Project
* Resource is reported as Nb rather than Nb_2O_5
\# Mineral Resource is not reported in accordance with JORC code and is not CRIRSCO code compliant

Spatial and resource estimates data sourced from WA Mines and Mineral Deposit database (MINEDEX)

All data extracted as at: September 2026

Niobium uses

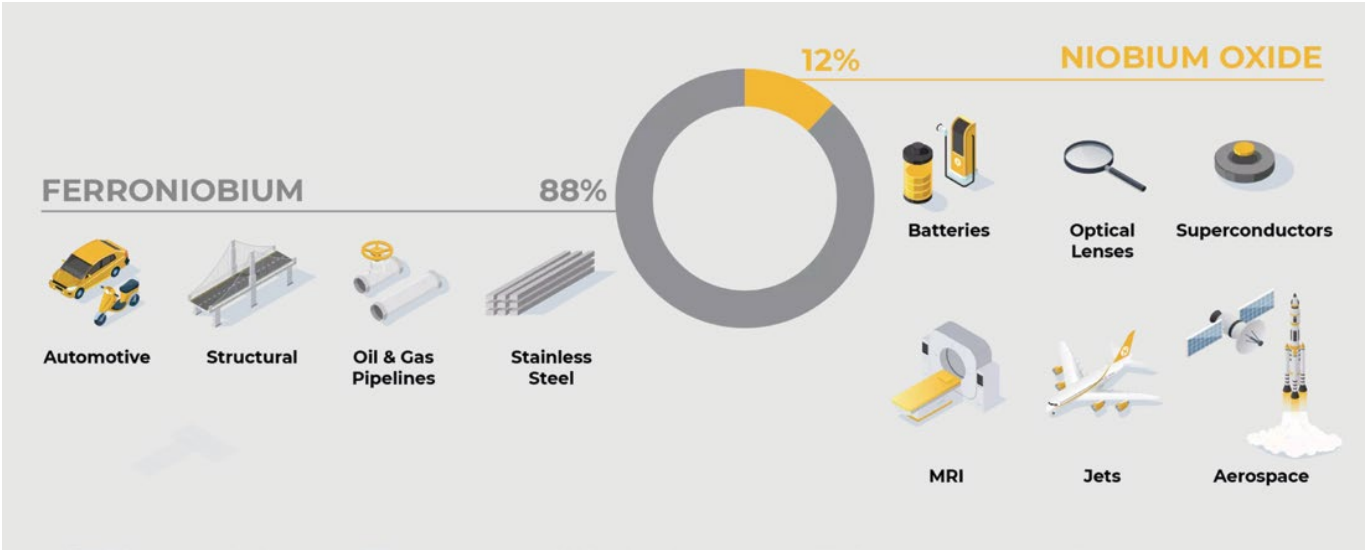


Image courtesy of WA1 Resources Limited.



Enlargement of pyrochlore, niobium-bearing mineral, from cover image.

Access the digital version of this product by scanning this QR code.

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Cover image:
Pyrochlore in carbonatite,
Hurley Prospect, Aileron Project
(Encounter Resources)

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Western Australia hosts world-class niobium deposits

Niobium in Western Australia:

- Current mineral resources are ~3.96 Mt of contained niobium pentoxide. Exploration is accelerating in the West Arunta province.

Project advancement:

- Updated Definitive Feasibility Study (DFS) for Yangibana Project (Wyloo / Hastings Technology Metals).
- Metallurgical testwork completed on Green deposit, Aileron Project (Encounter Resources).
- Metallurgical testwork completed on Luni deposit, West Arunta Project (WA1 Resources).

Commercial agreements:

- Memorandum of Understanding (MOU) with Echion Technologies, Aileron Project (Encounter Resources).
- Technical and research agreement with Enuo Holdings (Hastings Technology Metals).

Resource upgrades:

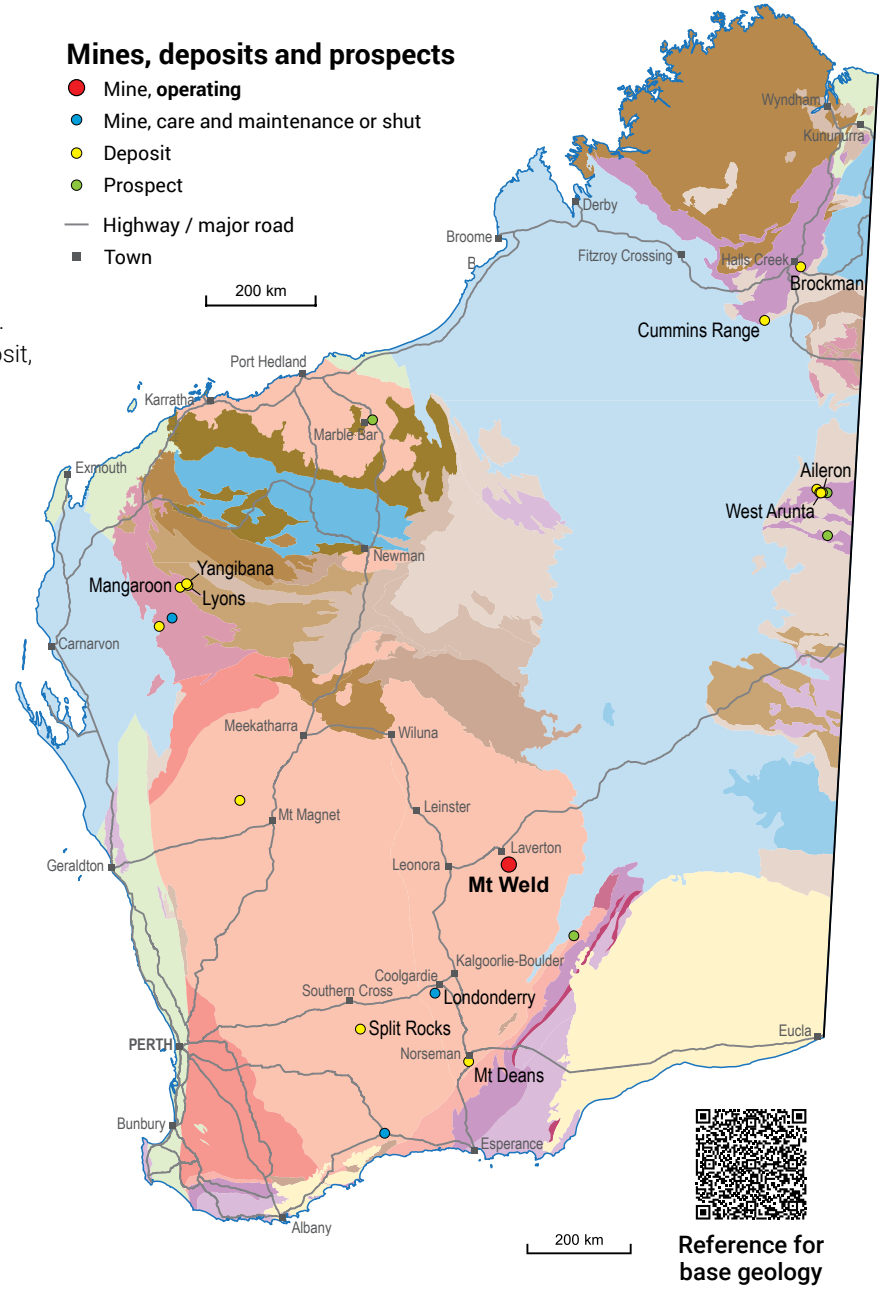
- Green, Crean and Emily, Aileron Project (Encounter Resources).
- Luni, West Arunta Project (WA1 Resources).

EIS drilling results:

- Mangaroon Project (Dreadnought Resources).
- Green, Aileron Project (Encounter Resources).

Significant exploration results:

- Stinger, Mangaroon Project (Dreadnought Resources).
- Luni, West Arunta Project (WA1 Resources).
- Green, Crean and Emily, Aileron Project (Encounter Resources).



‘EIS Drilling’ refers to drilling supported by the Western Australian Government’s Exploration Incentive Scheme co-funded drilling program.