Strategic and Critical Minerals in Western Australia — 2026

Major Strategic Infrastructure and Transport Pathways

- Townsite
- Major road
- Railway
- Oil / gas pipeline, operating, proposed
- Port, operating, proposed
- Regional Development Commission area
- Strategic Industrial Area

200 km

BROWSE, BURRUP, BOODARIE, PANKETELL, MAITLAND, ASHBURTON NORTH, OAKAJEE, MUNGARI, KWINANA, ROCKINGHAM, KEMERTON, SHOTTS, MIRAMBENA, PERTH

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Critical Mineral Sites and Mining Tenure

Thunderbird, Pippingarra, Pilgangoora, Wodgina, Woodie Woodie, Kathleen Valley, Murrin Murrin, Mt Weld, Port Gregory, Warradarge, Moora Silicon, Atlas – Cooljarloo, Mt Marion, Kambalda - St Ives, Bald Hill, Pioneer Dome, Mt Holland, Keysbrook, Boddington Gold, Kemerton, Bunbury Operations, Yalyalup, Greenbushes

200 km

Strategic Mineral Projects

Yitirrti, Wodgina, Telfer, Paterson-Havieron, Tumblegum South, Golden Grove, Deflector, Huntly-Pinjarra, Willowdale-Wagerup, Boddington Gold, Worsley-Marradong, Worsley-Boddington, Greenbushes, Ravensthorpe

200 km

Strategic Mineral Commodities
(For use with Strategic Mineral Projects map)

- Aluminium (Bauxite by Bayer Process)
- Copper
- Copper–zinc
- Phosphate
- Tin
- Zinc

Critical Mineral Commodities
(For use with Critical Minerals Sites map)

- Antimony with precious ± base metals
- Arsenic ± bismuth ± tellurium
- Fluorite
- Gallium
- Graphite
- Heavy minerals, ilmenite, titanium ± zirconium ± garnet ± monazite
- High purity alumina
- High purity silica (silica / silica sand)
- Lithium ± tantalum
- Niobium ± tantalum ± lithium ± rubidium
- Tantalum
- Magnesium
- Manganese
- Cobalt ± copper with precious/base metals
- Nickel ± cobalt ± copper
- Nickel ± cobalt ± copper ± Platinum group elements (PGE) ± chromium ± precious metals
- PGE ± cobalt ± nickel ± copper ± chromium ± precious metals
- Niobium ± Rare earth elements (REE)
- REE
- REE ± gallium ± scandium ± molybdenum ± niobium/tantalum/zirconium
- REE with uranium
- Tungsten ± molybdenum ± precious metals
- Titanium
- Vanadium with uranium
- Vanadium–titanium ± nickel, cobalt, copper

Project/Site Stage

- Operating
- Under development
- Feasibility
- Pre-feasibility
- Scoping
- Proposed
- Advanced exploration (has a mineral resource estimation reported)
- Exploration
- Care and maintenance

- Townsite
- Ports, operating
- Highway / major road
- Railway

Mining tenure (As at 8 October 2026)

- Live
- Pending

The **Critical Mineral Sites and Mining Tenure** map shows critical mineral mines, deposits and representative prospects across Western Australia, together with live and pending mining tenure as at October 2026. Only sites that are operating or under development have been labelled, enabling key production centres to be readily identified while illustrating the broader distribution of known mineral exploration activity.

Also included is the **Strategic Mineral Projects** map, which shows the distribution of strategic mineral projects across Western Australia. Projects are coloured by commodity and symbolised according to development stage. Only projects that are operating or under development are labelled. The map provides a statewide perspective on the location and diversity of Western Australia's strategic mineral project pipeline.

Supporting maps show major strategic infrastructure and transport corridors, as well as the basement tectonic geology of Western Australia, providing additional geological and logistical context for understanding the distribution of the State's strategic and critical mineral projects.

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Map produced by Mapping Section, Title and Geoscience Services
Edited by E Gray

Up-to-date information on mines and mineral deposits in Western Australia, including their operating status, can be found online in the MINEDEX database at <www.dmpe.wa.gov.au/minedex>.
Relief shading by GSWA using Shuttle Radar Topography Mission (SRTM) data from NASA <http://gpl.nasa.gov>, processed by CIAT <http://gisweb.ciat.cgiar.org>.

For more information see online databases
MINEDEX and GeoVIEW.WA at <www.dmpe.wa.gov.au>.

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Tectonic Units

PINJARRA OROGEN, PATERSON OROGEN, ALBANY–FRASER OROGEN, WUNAAMIN MILIWUNDI OROGEN, CAPRICORN OROGEN, GRANITES–TANAMI OROGEN, YILGARN CRATON, KIMBERLEY BASIN, CANNING BASIN, OFFICER BASIN, EUCLA BASIN, PERTH BASIN, ARID BASIN, YOUANMI TERRANE, EASTERN GOLDFIELDS SUPERTERRANE

Age (Ma): 0, 5, 100, 200, 300, 400, 500, 1000, 2000, 3000, 4000

PHANEROZOIC: CENOZOIC, MESOZOIC, PALEOZOIC
PROTEROZOIC: NEOPROTEROZOIC, MESOPROTEROZOIC, PALEOPROTEROZOIC
ARCHEAN

Sedimentary rocks; Sedimentary and volcanic rocks; Igneous, sedimentary and metamorphic rocks; Igneous and metamorphic rocks; Granite–greenstones

OROGEN/PROVINCE

PINJARRA OROGEN
Leeuwin Orogeny (780–515 Ma)
Pinjarra Orogeny (1095–990 Ma)
Darling Orogeny (1205–1150 Ma)

PATERSON OROGEN
Alice Springs Orogeny (450–295 Ma)
Petermann Orogeny (630–520 Ma)
Paterson Orogeny (654–509 Ma)
Giles Event (1085–1030 Ma)
Musgrave Orogeny (1219–1149 Ma)
Yapungku Orogeny (1760–1300 Ma)

AILERON/WARUMPI PROVINCE
Alice Springs Orogeny (450–295 Ma)
Chewings Orogeny (1590–1570 Ma)
Liebig Orogeny (1640–1630 Ma)
Argilke Event (1690–1650 Ma)
Strangways Event (1735–1690 Ma)
Yambah Event (1780–1770 Ma)
Stafford Event (1810–1790 Ma)

ALBANY–FRASER OROGEN
Albany–Fraser Orogeny (1330–1140 Ma)
Biranup Orogeny (1710–1620 Ma)
Ngadju Event (1780–1760 Ma)
Salmon Gums Event (1815–1800 Ma)

GRANITES–TANAMI OROGEN
Alice Springs Orogeny (450–295 Ma)
Stafford Event (1810–1790 Ma)
Tanami Event (1850–1830 Ma)

WUNAAMIN MILIWUNDI OROGEN
Alice Springs Orogeny (45–295 Ma)
Wunaamin Miliwundi Orogeny (670–510 Ma)
Yampi Orogeny (1475–999 Ma)
Hooper Orogeny (1870–1850 Ma)

HALLS CREEK OROGEN
Alice Springs Orogeny (450–295 Ma)
Wunaamin Miliwundi Orogeny (670–510 Ma)
Yampi Orogeny (1475–999 Ma)
Halls Creek Orogeny (1837–1808 Ma)
Hooper Orogeny (1870–1850 Ma)

CAPRICORN OROGEN
Mulka Tectonic Event (570 Ma)
Edmundian Orogeny (1026–954 Ma)
Mutherbukin Tectonic Event 1321–1171 Ma)
Mangaroon Orogeny (1689–1619 Ma)
Capricorn Orogeny (1817–1772 Ma)
Glenburgh Orogeny (2002–1947 Ma)
Ophthalmia Orogeny (2215–2145 Ma)

Patterns represent the extent of major orogenic events.
Compiled by Geological Survey of Western Australia, 2021.
Derived from Martin, DMcB, Hocking, RM, Riganti, A and Tyler, IM 2015, 1:500 000 Tectonic units of Western Australia, 2015: Geological Survey of Western Australia.
View detailed data at <www.dmpe.wa.gov.au/geoview>