

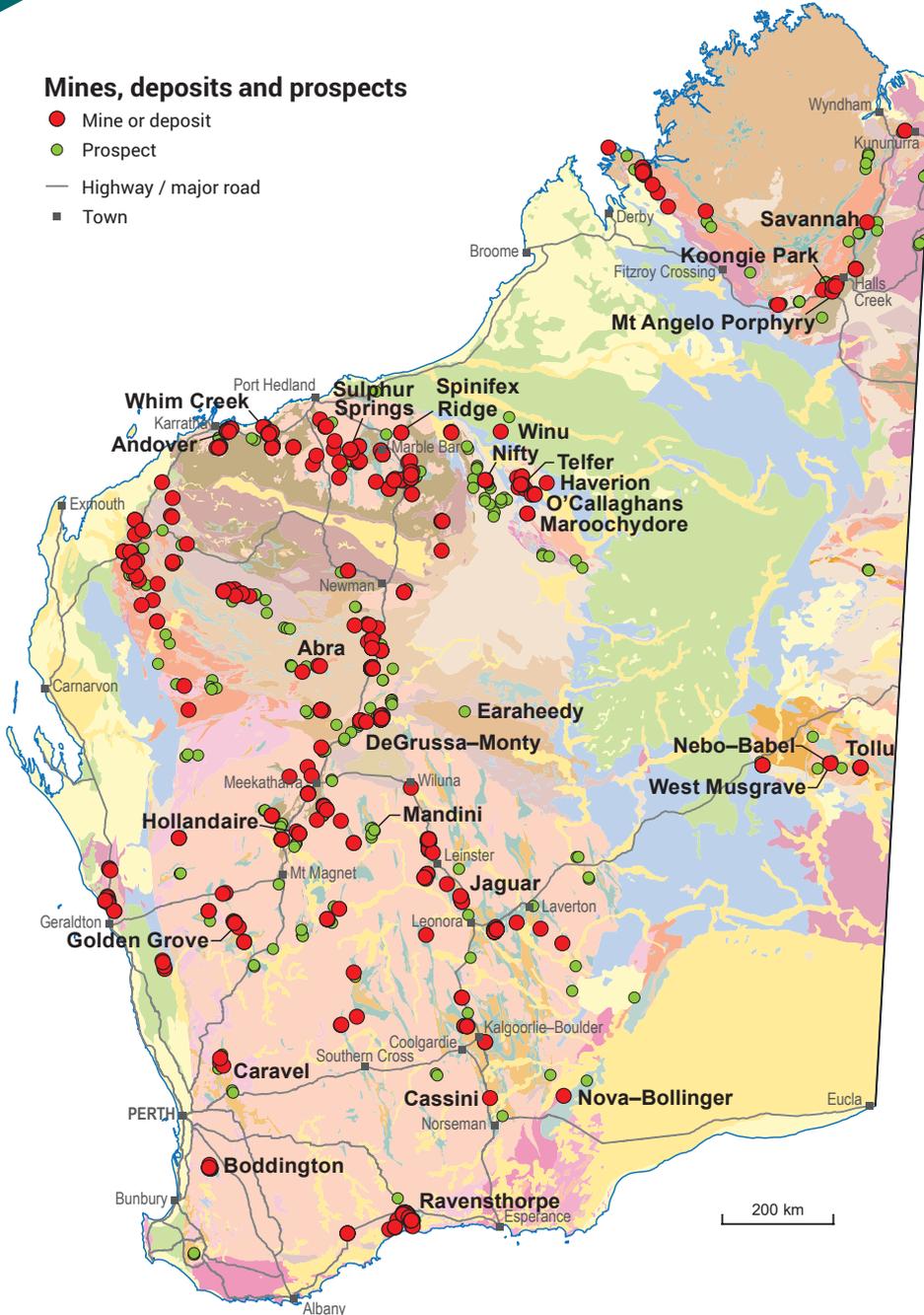
COPPER

INVESTMENT OPPORTUNITIES

WORLD-CLASS RESOURCE PROVINCE | SECURE INVESTMENT LOCATION
WORLD-LEADING GEOSCIENTIFIC DATA | GLOBAL MINING SERVICES INDUSTRY

Mines, deposits and prospects

- Mine or deposit
- Prospect
- Highway / major road
- Town



Western Australia hosts world-class copper deposits

- Current Western Australian resources of over 14 Mt of contained copper
- In 2021–22, a total of 153 321 tonnes of copper were produced from Golden Grove, DeGrussa–Monty, Boddington, Telfer, Savannah, Nova–Bollinger, Cassini and Jaguar mines
- Construction continues at Newmont’s Haveron deposit (Paterson Orogen) with an updated mineral resource estimate recently released and Feasibility Study underway
- Construction commenced recently on the West Musgrave (Oz Minerals) project to produce a nickel and copper concentrate over a 24-year mine life

New resources and reserves

- Maiden Mineral Resource Estimates announced for Andover (Azure Minerals) and Beta-Sorby Hills (Boab Metals)
- Maiden Ore Reserve was released for the Caravel Copper Project, confirming it to be one of Australia’s largest undeveloped copper deposits

Recent discoveries

- Copper discoveries are still being made, including at Manindi (Kultarr, Brushtail prospects), Earahedy (Tonka prospect), Koongie Park (Cosmo prospect), Andover (Skyline prospect)
- Most of Western Australia’s Archean and Proterozoic terranes are prospective for copper

\$1963 m
Sales value



153 321 t
Tonnes sold



2024**
Full-time employees



\$2901 m*
Investment projects



(2021–22 financial year)

* Includes projects planned, possible, committed or under construction as of September 2022

** Total for copper, lead and zinc



Projects with copper resources – ranked by contained copper >40 kt

Resources estimated according to JORC 2012

Project	Status	Owner	Commodity	Resources (Mt)	Av. grade (%)	Contained Cu (kt)	Resource date
Caravel–Calingiri	Pre-feasibility	Caravel Minerals	Cu–Mo–Ag–Au	1180.5	0.24	2836	26/11/2021
Paterson–Winu	Exploration	Rio Tinto	Cu–Au	608.0	0.41	2477	31/12/2021
West Musgrave	Pre-feasibility	Oz Minerals	Cu–Ni	545.1	0.41	2217	23/09/2022
Golden Grove	Operating	29Metals	Zn–Cu–Pb–Ag–Au	58.5	1.64	958	31/12/2021
Nifty	Scoping	Cyprium Metals	Cu	95.1	0.99	941	16/05/2022
Spinifex Ridge*	Exploration	Young Australian Mines	Mo–Cu	1051.3	0.08	798	10/02/2012
Maroochydore	Exploration	Cyprium Metals	Cu–Co	48.6	1.00	485	31/03/2016
Julimar	Exploration	Chalice Mining	Pt–Pd–Au–Ni–Cu–Co	348.0	0.41	365	08/07/2022
Telfer*	Operating	Newcrest Mining	Au–Cu	157.6	0.21	330	30/06/2022
Boddington	Operating	Newmont	Au–Cu	280.0	0.11	307	31/12/2021
O'Callaghans	Pre-feasibility	Newcrest Mining	Cu–Zn–Pb	78.0	0.28	222	31/12/2017
Paterson–Havieron	Under development	Newcrest Mining / Greatland Gold	Au–Cg	92.0	0.24	217	03/03/2022
DeGrussa–Monty	Operating	Sandfire Resources	Cu–Au	3.4	5.61	191	31/12/2020
Sulphur Springs	Feasibility	Develop Global	Zn–Cu–Pb–Ag	17.3	1.03	178	06/09/2022
Thaduna	Exploration	Sandfire Resources	Cu–Ag	8.2	2.09	171	31/12/2016
Parks Reef	Exploration	Podium Minerals	Pt–Pd–Rh–Ir–Au–Ni–Cu–Co	143.0	0.07	127	31/10/2022
Nanadie Well	Exploration	Cyprium Metals	Cu–Au	40.4	0.40	162	19/07/2022
Citadel	Exploration	Antipa Minerals / Rio Tinto	Au–Cu–Ag–W	108.1	0.15	159	17/05/2021
Horseshoe Lights	Exploration	Horseshoe Metals	Cu–Au–Ag	14.5	0.95	138	31/12/2014
Savannah	Operating	Panoramic Resources	Ni–Cu–Co	13.3	0.70	93	22/07/2021
Mt Mulgine	Pre-feasibility	Tungsten Mining	W–Mo–Au–Ag–Cu	247.0	0.04	92	04/05/2020
Koongie Park	Exploration	Auking Mining / Anglo Australian Resources	Zn–Cu–Pb–Ag–Au	8.9	1.00	89	07/04/2022
Nova–Bollinger	Operating	IGO	Ni–Cu–Co	11.2	0.62	69	31/12/2021
Jerdacuttup	Exploration	Medallion Metals	Au–Ag–Cu	5.6	1.21	68	01/03/2018
Whim Creek – Mons Cupri	Operating	Anax Metals / Develop Global	Zn–Cu–Pb–Ag–Au	7.7	0.89	68	17/01/2022
Teutonic Bore – Jaguar	Exploration	Aeris Resources	Zn–Cu–Ag–Au	6.6	1.00	66	30/06/2022
Minyari Dome	Scoping	Antipa Minerals	Au–Cu–Ag	33.9	0.19	64	02/05/2022
Carlow Castlae	Exploration	Artemis Resources	Au–Cu–Co	8.7	0.73	64	13/10/2022
Pardoo–Highway*	Exploration	Mantle Minerals	Ni–Cu–Co	50.0	0.13	63	31/03/2010
Panton	Feasibility	Future Metals	Pt–Pd–Au–Ni–Cu–Co	128.9	0.04	49	26/06/2020
Ravensthorpe Gold	Feasibility	Medallion Metals	Au–Cu	16.5	0.28	47	14/06/2022
Whundo Base Metals	Exploration	Greentech Metals	Cu–Zn–Ag	3.6	1.18	42	11/05/2022

Resource estimates have been rounded
 * Resource estimates are not JORC 2012 compliant
 Spatial and resource estimates data sourced from
 WA Mines and Mineral Deposit database (MINEDEX)

- Stratabound volcanic-hosted massive sulfides
- Orthomagmatic mafic and ultramafic
- Porphyry related
- Stratabound sediment hosted
- Vein and hydrothermal
- Skarn

For more information

MINEDEX is a spatial and textual database of mining and exploration activity

MINEDEX www.dmirs.wa.gov.au/minedex

GeoVIEW.WA is a free GIS-based spatial viewer

GeoVIEW.WA www.dmirs.wa.gov.au/geoview

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The DMIRS MINEDEX, Statistics, and Geoscience and Titles Information teams have contributed to the production of this flyer



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Geological Survey of
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