

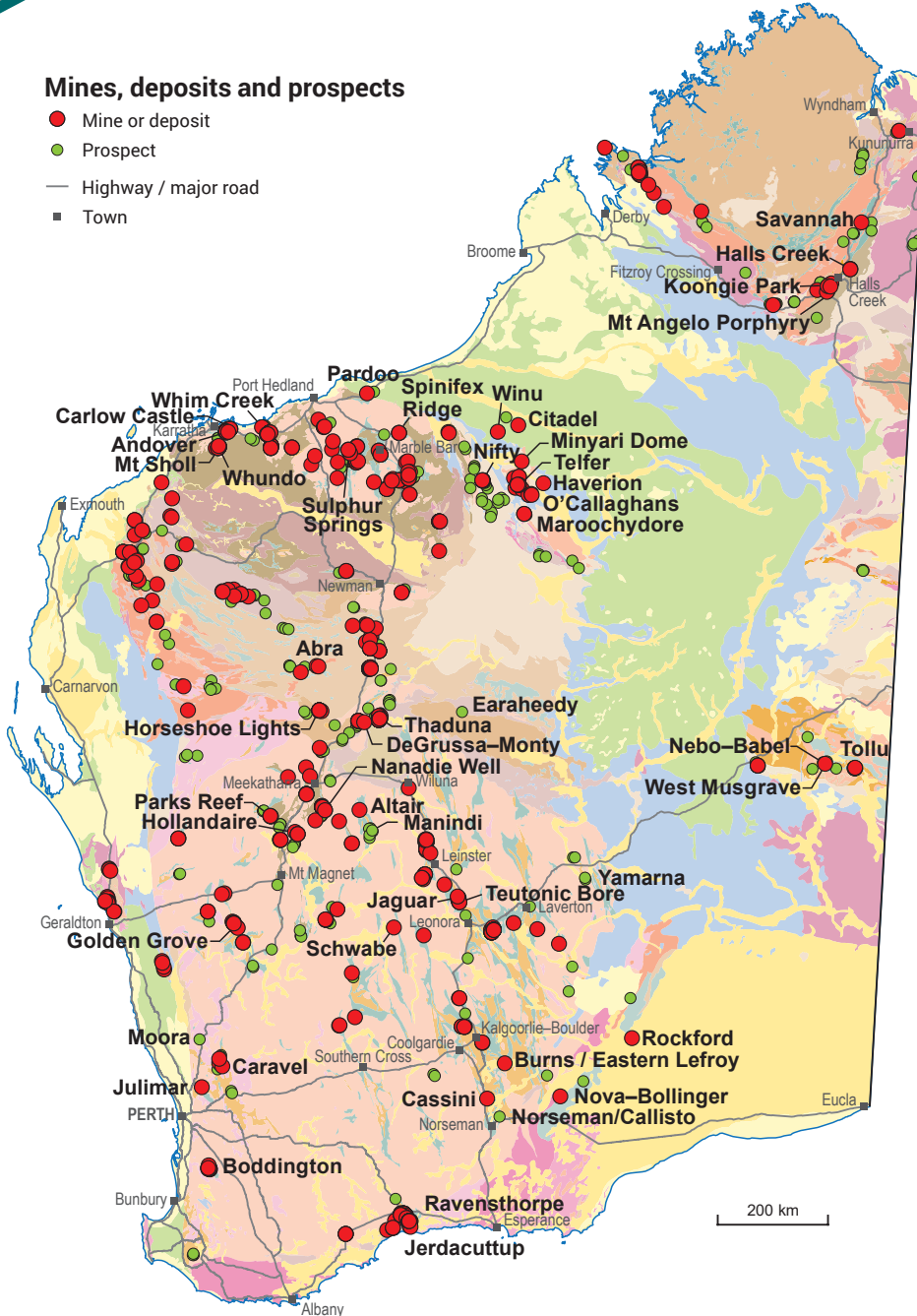
COPPER

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 15 Mt of contained copper
- In 2022–23, a total of 119 128 tonnes of copper were sold from Golden Grove, Jaguar, DeGrussa–Monty, Boddington, Widgiemooltha, Savannah and Nova–Bollinger mines
- Construction continues at Newmont's Haverton deposit (Paterson Orogen). Resource estimate was updated to 132 Mt at 0.21% Cu for 279 kt contained copper. The project is currently under development with first ore expected in late 2024

New resources and reserves

- Maiden Mineral Resource Estimates were announced for Burns (Eastern Lefroy Project; Lefroy Exploration), Altair (Gum Creek Project; Panoramic and Horizon Gold), Norseman (Galileo Mining), Rockford (Legend Mining) and Schwabe (Perrinvale VHMS Project; Cobre Limited)
- An updated Mineral Resource Estimate for the Caravel Copper Project of 3.03 Mt contained copper in November 2023 positions Caravel as one of the largest undeveloped copper projects in Australia
- A Definitive Feasibility Study completed for Whim Creek with updated Ore Reserves of 4.6 Mt at 1.36% Cu, 2.3% Zn and 0.68% Pb

Recent discoveries

- Recent copper discoveries include at Yamarna (Minjina prospect), Moora (Mynt prospect)
- Significant drilling results announced for Tollu (Forio prospect), Whundo (Austin, Yannery prospects), Teutonic Bore (Bentley mine), Golden Grove and Caravel (Dasher–Bindi deposits)

\$1401 m
Sales value



119 128 t
Tonnes sold



1994*
Full-time
employees



\$4309 m**
Investment
projects



(2022–23 financial year)

* Combined values for copper, lead and zinc

† Includes projects planned, possible, committed or under construction as of September 2023



Department of Energy, Mines,
Industry Regulation and Safety

demirs.wa.gov.au

Geological Survey of
Western Australia



Projects with copper resources – ranked by contained copper >50 kt

All Resource Estimates compliant with JORC 2012 unless otherwise stated

	Project	Status	Owner	Commodity	Resources (Mt)	Av. grade (%)	Contained Cu (kt)	Resource date
	Caravel	Feasibility	Caravel Minerals	Cu–Mo–Ag–Au	1276.2	0.24	3057	13/11/2023
	Paterson–Winu	Exploration	Rio Tinto	Cu–Au	721.0	0.40	2895	31/12/2022
	West Musgrave	Pre-feasibility	BHP Group	Cu–Ni	389.1	0.33	1281	30/06/2023
	Golden Grove	Operating	29Metals	Zn–Cu–Pb–Ag–Au	61.3	1.68	1029	31/12/2022
	Nifty	Scoping	Cyprium Metals	Cu	95.1	0.99	942	16/05/2022
	Spinifex Ridge ^a	Exploration	Young Australian Mines	Mo–Cu	1051.3	0.08	798	10/02/2012
	Julimar	Scoping	Chalice Mining	Pt–Pd–Au–Ni–Cu–Co	550.7	0.93	508	28/03/2023
	Maroochydore	Exploration	Cyprium Metals	Cu–Co	48.6	1.00	485	31/03/2016
	Boddington	Operating	Newmont	Au–Cu	263.0	0.11	288	31/12/2022
	Halls Creek Copper	Scoping	Cazaly Resources	Cu–Zn–Ag	97.3	0.29	286	24/11/2022
	Paterson–Havieron	Under development	Newmont Mining / Greatland Gold	Au–Cg	132.0	0.21	279	21/12/2023
	Telfer	Operating	Newmont	Au–Cu	107.8	0.25	265	30/06/2023
	O'Callaghans	Pre-feasibility	Newmont	Cu–Zn–Pb	69.5	0.30	206	30/06/2023
	Sulphur Springs	Feasibility	Develop Global	Zn–Cu–Pb–Ag	17.3	1.03	178	02/06/2023
	Thaduna	Exploration	Sandfire Resources	Cu–Ag	8.2	2.09	171	31/12/2016
	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
	Koongie Park	Scoping	Auking Mining	Zn–Cu–Pb–Ag–Au	21.1	0.58	122	01/12/2022
	Parks Reef	Feasibility	Podium Minerals	Pt–Pd–Cr–Cu	143.0	0.07	100	31/10/2022
	Teutonic Bore – Jaguar	Operating	Aeris Resources	Zn–Cu–Ag–Au	8.1	1.21	98	05/07/2023
	Savannah	Operating	Panoramic Resources	Ni–Cu–Co	14.6	0.67	97	05/10/2023
	Mt Sholl [*]	Exploration	Raiden Resources / Welcome Exploration	Ni–Cu–PGE–Au	23.4	0.40	93	03/04/2023
	Mt Mulgine	Pre-feasibility	Tungsten Mining	W–Mo–Au–Ag–Cu	247.0	0.04	92	04/05/2020
	Whundo Base Metals	Exploration	Greentech Metals	Cu–Zn–Ag	6.2	1.12	70	12/04/2023
	Whim Creek – Mons Cupri [#]	Feasibility	Anax Metals / Develop Global	Zn–Cu–Pb–Ag–Au	7.7	0.89	68	17/01/2022
	Jerdacuttup	Exploration	Medallion Metals	Au–Ag–Cu	5.6	1.21	68	01/03/2018
	Minyari Dome	Pre-feasibility	Antipa Minerals	Au–Cu–Ag	33.9	0.19	64	02/05/2022
	Carlow Castle / Artemis	Exploration	Artemis Resources	Au–Cu–Co	8.7	0.73	64	13/10/2022
	Pardoo–Highway ^a	Exploration	Mantle Minerals	Ni–Cu–Co	50.0	0.13	63	31/03/2010
	Eastern Lefroy	Exploration	Lefroy Exploration	Au–Cu	43.0	0.14	60	04/05/2023
	Ravensthorpe Gold	Feasibility	Medallion Metals	Au–Cu	19.5	0.29	56	13/02/2023

Resource estimates have been rounded

^a Mineral Resources are not JORC 2012, but are CRIRSCO compliant

^{*} Resource is across two projects – Mt Sholl and Mt Sholl Ni–Cu–PGE

[#] Forms part of the larger Whim Creek Project by Anax Metals and Develop Global

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 and MVT

Vein and hydrothermal

Skarn

For more information

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

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

GeoVIEW.WA is a free GIS-based spatial viewer

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

Contact us

Investment Specialist
Geological Survey and Resource Strategy Division
Email: minerals.investors@dmirs.wa.gov.au
Tel: +61 8 9222 3890

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



Department of Energy, Mines,
Industry Regulation and Safety

December 2023

Geological Survey of
Western Australia

