NICKEL-COBALT

INVESTMENT OPPORTUNITIES

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

Mines and deposits Sulfide ore >100 Kt Laterite ore >100 Kt Significant amounts of both sulfide and laterite ore >100 Kt Savannah O Mines and deposits <100 Kt Broome Highway / major road Fitzrov Crossing Halls Cre Town Port Hedland Pardoo Exphouth Wingellina West Musgraveo Meekatharra Wiluna Wilconi Weld Range Honeymoon Well Jericho 👌 **Mount Keith** Cosmos Leinster Mt Magnet Windarra Geraldto Murrin Murrin Julia Goongarrie anegrass Cawse Silver Swan Avalon **Black Hills** Julimar Kambalda Nova-Bollinger PERTH Forrestania **Mount Thirsty** Bunbur Ravensthorpe 200 km

Western Australia hosts worldclass nickel deposits

- The Yilgarn Craton is Australia's premier nickel-producing region containing some of the world's largest nickel resources which are equivalent to 33 Mt of contained nickel
- Western Australia also ranked among the top global producers for cobalt in 2020, with all cobalt produced as a byproduct from operating nickel mines
- Production in 2020-21 reached 158 710 t of nickel (metal and concentrate) from eight operating projects
- The Murrin Murrin, Nova-Bollinger and Ravensthorpe mines also produced cobalt as a byproduct from their nickel operations
- Anticipated demand for battery minerals has encouraged the reopening and development of new nickel mines, such as Cosmos (Western Areas), Ravensthorpe (First Quantum), Mt Keith Satellite project (Nickel West), Cassini and the reopening of the Savannah underground mine
- Exploration continues across the State, with new discoveries made in the Pilbara region at the Andover prospect (Azure Minerals), Bryah Basin at the Mount Labouchere prospect (Bryah Resources) and within the Goldfields at the Mt Alexander prospect (St George Mining)
- A Tier-1 scale maiden Mineral Resource estimate has been announced for the Julimar PGE-Ni-Cu-Co-Au project, located ~70 km north of Perth with 330 Mt at 0.94 g/t palladium+platinum+gold, 0.22% nickel, 0.21% copper and 0.021% cobalt reported

\$3480 m Sales value

158 710 t Tonnes sold \$2750 m* **Exports**

7553 Full-time employees \$2747 m* Investment projects



5th Production world ranking



(2020-21 financial year)

Includes projects planned, possible, committed or under construction as of September 2021



Nickel projects with resources >100 Kt contained nickel

Resources estimated according to JORC 2012

Project	Status	Owner	Resources (Mt)	Av. grade (% Ni)	Contained Ni (kt)	Av. grade (% Co)	Contained Co (t)	Resource date
Kalgoorlie Nickel Project*	Pre-feasibility	Ardea Resources	830.0	0.71	5879	0.05	384 000	16/06/202
Mt Keith ¹	Operating	BHP Group (Nickel West)	643.7	0.58	3730			30/06/202
Weld Range*	Exploration	EV Metals	385.3	0.64	2466	0.04	154 120	29/10/201
Murrin Murrin	Operating	Glencore	235.7	0.99	2340	0.08	181 198	31/12/202
Leinster ²	Operating	BHP Group (Nickel West)	194.8	1.04	2024			30/06/202
Wingellina	Feasibility	Metals X	215.8	0.91	1952	0.07	151 087	30/06/201
Ravensthorpe	Operating	First Quantum / Pohang Iron and Steel Co.	331.8	0.57	1904	0.03	87 270	31/12/202
Avalon*	Exploration	Wingstar Investments	169.8	0.83	1403			31/12/201
West Musgrave	Pre-feasibility	Oz Minerals	393.3	0.31	1227	0.01	48 236	09/12/202
Cawse*	Exploration	Wingstar Investments	176.5	0.69	1220			31/12/201
Honeymoon Well*	Exploration	BHP Group (Nickel West)	176.8	0.69	1218			30/06/202
NiWest	Pre-feasibility	GME Resources	85.1	1.03	878	0.07	55 320	30/06/201
Cosmos	Under development	Western Areas	64.4	0.97	625			30/09/202
Wilconi	Exploration	A-Cap Resources / Blackham Resources	78.8	0.74	583	0.07	55 160	17/09/201
Julimar	Exploration	Chalice Mining	330.0	0.16	523	0.02	53 000	09/11/20
Jericho³	Exploration	BHP Group (Nickel West)	74.0	0.55	407			30/06/202
Forrestania	Operating	Western Areas / Great Western Exploration	17.9	1.61	287			30/06/20
Savannah	Operating	Panoramic Resources	13.5	1.56	210	0.10	13 328	07/05/202
Canegrass*	Exploration	Huntsman Exploration	29.6	0.71	209	0.06	17 760	27/11/200
Nova-Bollinger	Operating	IGO	11.8	1.76	208	0.06	6 694	31/12/202
Kambalda	Operating	Mincor Resources	5.3	3.80	199			30/06/20
Silver Swan – Black Swan	Feasibility	Poseidon	30.9	0.63	195			30/06/20
Julia*	Exploration	Wingstar Investments	25.9	0.74	193			31/10/20
Black Hills*	Exploration	Zetek Resources / Western Resources	30.0	0.64	192	0.03	9 000	18/09/200
Quicksilver	Exploration	Golden Mile Resources	26.3	0.65	170	0.04	11 354	19/11/20
Mt Edwards	Exploration	Neometals	10.2	1.60	164	0.05	1 387	30/06/20
Pardoo	Exploration	Caeneus Minerals	50.0	0.30	152	0.03	15 000	31/03/20
Windarra	Exploration	Poseidon	9.7	1.53	148			16/07/20
Mt Thirsty	Pre-feasibility	Conico / Barra Resources	26.8	0.52	140	0.12	31 543	09/09/20
Norseman	Exploration	Galileo	25.1	0.49	122	0.11	27 386	11/12/20
Grey Dam	Exploration	Carnavale Resources	14.6	0.75	110	0.05	7 174	26/02/20
Pyke Hill	Exploration	Cougar Metals	10.5	0.99	104	0.09	9 030	30/06/20
Sherlock Bay	Exploration	Sabre Resources / International Exploration	24.7	0.40	100	0.02	5 420	31/05/20

For more information





Contact us

Sarah Sargent

Geological Survey and Resource Strategy Division Email: minerals.investors@dmirs.wa.gov.au

Tel: +61 8 9222 3890





^{*} Includes the JORC 2004 resource for Lake Rebecca

^{*} Resource estimates are not JORC 2012 compliant

¹ Includes Yakabindie resources

² Includes Cliffs and Venus resources

³ Includes West Jordan resources