

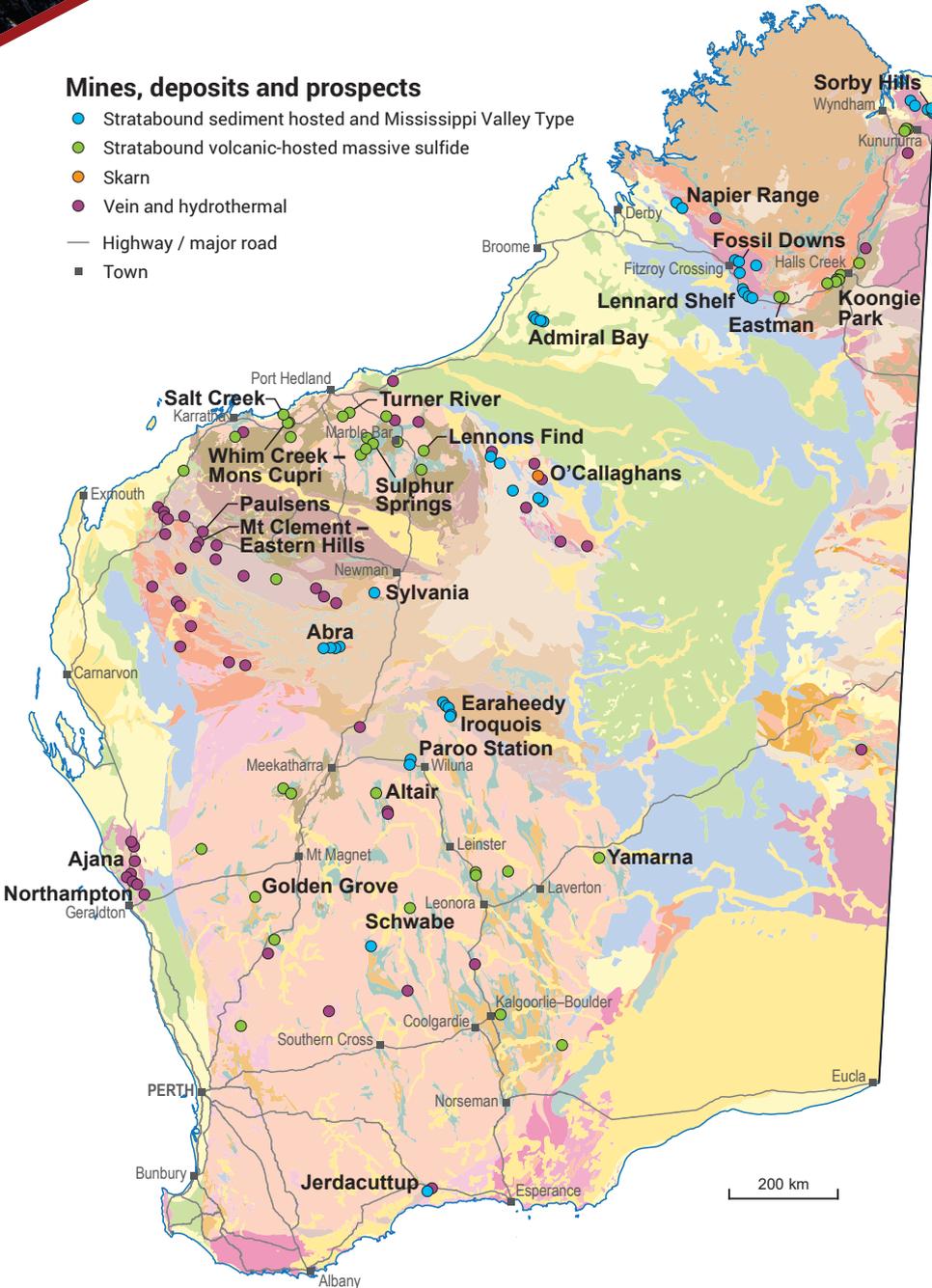
# LEAD

## INVESTMENT OPPORTUNITIES

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

### Mines, deposits and prospects

- Stratabound sediment hosted and Mississippi Valley Type
- Stratabound volcanic-hosted massive sulfide
- Skarn
- Vein and hydrothermal
- Highway / major road
- Town



### Current resources for Western Australia are over 12 Mt of contained lead

- The four largest deposits together contain more than 10 Mt of lead: Admiral Bay, Abra, Paroo Station and Sorby Hills
- Lead production in 2022–23 was from the Golden Grove and Abra mines
- Lead is associated with volcanic-hosted and sediment-hosted massive sulfides, skarn, and vein and hydrothermal mineralization styles

### Recent activity at Abra and Sorby Hills

- First concentrate was produced from Abra in January 2023
- A Definitive Feasibility Study completed at Sorby Hills in January 2023 and drilling results of up to 35% lead were intersected. Boab Metals also announced the potential discovery of a new zone of mineralization at the project

### Resources

- Maiden Mineral Resource Estimates were announced for Altair (Gum Creek Project; Panoramic and Horizon Gold), Earaheedy (Chinook–Navajoh–Tonka deposits; Rumble Resources) and Schwabe (Perrinvale VHMS Project; Cobre Limited)
- Updated Mineral Resources for Abra (Galena Mining), Sulphur Springs
- 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 drilling results

- Recent zinc–lead–silver discoveries have been made at several projects including Yamarna (Minjina prospect), Ajana (Perseverant prospect) and Earaheedy (Mato prospect)
- Significant drilling results announced for the Earaheedy (Navajoh–Tonka–Chinook prospects), Northampton Polymetallic area (Caprice Resources) and Iroquois (Strickland Metals)
- Drilling at Tonka–Navajoh has extended the mineralization to over 11 km and up to 3 km in strike, and remains open in all directions

**\$39.8 m**  
Sales value



**12,776 t**  
Tonnes sold



**1,994\***  
Full-time employees



**\$4,309 m<sup>†</sup>**  
Investment projects



**5%<sup>‡</sup>**  
**2.5%**  
Royalty rate



(2022–23 financial year)

\* Combined values for copper, lead and zinc

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

‡ 5% – concentrate, 2.5% – metal



Department of Mines,  
Petroleum and Exploration

[dmp.wa.gov.au](http://dmp.wa.gov.au)



Geological Survey of  
Western Australia

## Projects with lead resources – ranked by contained lead >10 kt

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

Project	Status	Owner	Commodity	Resources (Mt)	Av. grade Pb (%)	Contained Pb (kt)	Resource date
Admiral Bay	Pre-feasibility	Metalicity / Kimberley Mining	Zn-Pb-Ag	170.0	2.70	4 590	04/07/2016
Abra	Feasibility	Galena Mining / Toho	Pb-Cu-Zn-Ag-Au	33.4	7.10	2 370	31/07/2023
Paroo Station	Feasibility	LeadFX / Rosslyn Hill Mining	Pb	51.4	3.74	1 920	05/04/2019
Sorby Hills	Feasibility	Boab Metals / Henan Yuguang Gold and Lead Co.	Pb-Zn-Ag	47.3	3.12	1 475	17/12/2021
Lennard Shelf*	Feasibility	Northwest Nonferrous International Investment Co.	Zn-Pb	19.2	4.93	945	19/03/2015
Earaheedy Base Metals	Exploration	Rumble Resources / Zenith Minerals	Pb-Zn-Ag	94.0	0.70	659	19/04/2023
O'Callaghans	Pre-feasibility	Newmont	Cu-Zn-Pb	69.5	0.27	186	30/06/2023
Golden Grove	Operating	29Metals	Zn-Cu-Pb-Ag-Au	61.3	0.25	153	31/12/2022
Jerdacuttup	Exploration	Medallion Metals	Au-Cu-Ag-Zn-Pb	5.1	2.60	134	01/03/2018
Koongie Park	Scoping	Auking Mining	Zn-Cu-Pb-Ag-Au	21.1	0.38	80	01/12/2022
Sulphur Springs	Feasibility	Develop Global	Zn-Cu-Pb-Ag	17.3	0.32	56	02/06/2023
Napier Range	Exploration	Northwest Nonferrous International Investment Co.	Pb-Zn-Ag	0.8	7.20	54	01/11/2016
Sylvania	Exploration	Discover Resources / Crest Investment	Zn-Pb-Ag	3.0	1.59	47	08/06/2010
Turner River – Orchard Well	Exploration	De Grey Mining	Zn-Cu-Pb-Ag-Au	3.5	1.32	46	28/09/2017
Fossil Downs^	Exploration	Northwest Nonferrous International Investment Co.	Zn-Pb	2.2	2.10	45	24/03/2011
Salt Creek#	Feasibility	Anax Metals / Develop Global	Zn-Cu-Pb-Ag-Au	2.7	1.03	28	12/09/2022
Lennons Find	Exploration	Musketeer Mining / Orange Minerals / Individuals	Zn-Cu-Pb-Ag-Au	1.6	1.60	25	30/05/2019
Ajana – Mary Springs	Exploration	Anson Resources	Pb	0.4	6.44	25	15/07/2010
Whim Creek – Mons Cupri#	Operating	Anax Metals / Develop Global	Zn-Cu-Pb-Ag-Au	7.7	0.32	24	17/01/2022
Paulsens	Scoping	Black Cat Syndicate Ltd (100%)	Au-Cu-Ag-Sb-Pb	0.8	2.40	19	24/11/2022
Eastman^	Exploration	Peako	Zn-Cu-Pb-Ag-Au	1.5	0.70	11	24/01/2007

Resource estimates have been rounded

\* Resources are both JORC 2004 and JORC 2012

^ Resource estimate is JORC 2004 compliant

# 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

 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.dmpe.wa.gov.au/minedex](http://www.dmpe.wa.gov.au/minedex)

GeoVIEW.WA is a free GIS-based spatial viewer

**GeoVIEW.WA**

[www.dmpe.wa.gov.au/geoview](http://www.dmpe.wa.gov.au/geoview)

DMPE'S MINEDEX, Statistics, and Title and Geoscience Services teams have contributed to the production of this flyer

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