



## Western Australia's principal mining projects (2014-15)

Western Australia's 113 principal mining projects each produced minerals valued at over \$5 million (or more than 2500oz of gold) in 2014-15.

Collectively, these projects produced over 99 per cent of the industry's total production, by value, of \$76.2 billion. Projects on private land, for which production values are not required to be reported, are included where employee numbers were greater than 50.

The State's mining industry also comprises hundreds of quarries and small mines that largely produced the basic raw materials required for the local construction industry. This includes clays, construction materials (aggregate, gravel, rock and sand), dimension stone, gypsum, limestone, limesand and spongolite.

The attached tables provide details of the principal mining projects, as well as the principal producers of basic raw materials and the State's major mineral processing operations.

Company	Project	Comments
<b>MINING PROJECTS</b>		
<b>Base metals</b>		
Aditya Birla Minerals Limited	Nifty	
Independence Group NL	Jaguar	
MMG Limited	Golden Grove	
Rossllyn Hill Mining Pty Ltd	Paroo Station	Mining operations suspended in February 2015.
Sandfire Resources NL	DeGrussa	
Venturex Resources Limited	Whim Creek	While mining operations have been suspended since 2009, Blackrock Metals produced copper from heap leach ore valued at over \$5 million during 2014-15.
<b>Bauxite</b>		
Alcoa of Australia Ltd	Huntly	
Alcoa of Australia Ltd	Willowdale	
South32 Worsley Alumina Pty Ltd	Boddington	
<b>Coal</b>		
Lanco Infratech Ltd	Griffin Coal	
Premier Coal Limited	Premier Coal	
<b>Diamonds</b>		
Kimberley Diamond Company NL	Ellendale	Mining operations suspended in June 2014. Kimberley Diamond Company has since been placed into administration.
Rio Tinto Ltd	Argyle	

Company	Project	Comments
<b>Gold</b>		
AngloGold Ashanti Australia Limited	Sunrise Dam	
AngloGold Ashanti Australia Limited	Tropicana Joint Venture	Joint venture between AngloGold Ashanti (70%) and Independence Group NL (30%).
Beacon Minerals Limited	Barlee	Mining operations completed in April 2015.
Blue Tiger Mining Pty Ltd	Burbanks	Mining operations suspended in February 2015. An 80 per cent share of the project was sold to Kidman Resources in April 2015.
Central Norseman Gold Corporation Ltd	Central Norseman	Mining operations suspended on 1 July 2014.
Doray Minerals Limited	Andy Well	
Evolution Mining Limited	Edna May	
Gold Fields Limited	Agnew/Lawlers	
Gold Fields Limited	Darlot	
Gold Fields Limited	Granny Smith	
Gold Fields Limited	St Ives	
Hanking Gold Mining Pty Ltd	Southern Cross	
Kalgoorlie Consolidated Gold Mines Pty Ltd	Kalgoorlie Super Pit/ Mt Charlotte	
La Mancha Resources Australia Pty Ltd	Frog's Leg/White Foil	Acquired by Evolution Mining in August 2015 (then part of the Mungari project).
Metals X Ltd	Higginsville	
Millennium Minerals Limited	Nullagine	
Minjar Gold Pty Ltd	Minjar	
Newcrest Mining Limited	Telfer	
Newmont Australia Pty Ltd	Boddington	
Northern Star Resources Ltd	Jundee	
Northern Star Resources Ltd	Kanowna Belle	
Northern Star Resources Ltd	Kundana	Joint venture between Northern Star Resources (51%) and Rand and Tribune (49%).
Northern Star Resources Ltd	Paulsens	
Northern Star Resources Ltd	Plutonic	
Norton Gold Fields Limited	Paddington	
Phoenix Gold Limited	Castle Hill	Mining operations suspended in February 2015.
Ramelius Resources Ltd	Coogee	Mining operations suspended in June 2014.
Ramelius Resources Ltd	Mt Magnet	
Regis Resources Limited	Duketon	
Saracen Mineral Holdings Ltd	Carosue Dam	
Silver Lake Resources Ltd	Mt Monger	
St Barbara Mines Limited	Gwalia	
St Barbara Mines Limited	King of the Hills	Mining operations suspended in April 2015. Project sold to Saracen Minerals Holdings in August 2015.

<b>Company</b>	<b>Project</b>	<b>Comments</b>
<b>Iron ore</b>		
Atlas Iron Limited	Abydos	
Atlas Iron Limited	Mt Dove	Project closed in February 2014.
Atlas Iron Limited	Mt Webber	
Atlas Iron Limited	Wodgina	
BC Iron Limited	Iron Valley	
BC Iron Limited	Nullagine JV	
BHP Billiton Ltd	Eastern Ridge (Orebody 23/24/25)	
BHP Billiton Ltd	Jimblebar/Wheelara	
BHP Billiton Ltd	Mining Area C	
BHP Billiton Ltd	Mt Whaleback/ Orebody 29/30/35	
BHP Billiton Ltd	Orebody 18	
BHP Billiton Ltd	Yandi	
CITIC Pacific Mining Management Pty Ltd	Sino Iron	
Cliffs Natural Resources Pty Ltd	Koolyanobbing	
Fortescue Metals Group Ltd	Chichester Hub	Comprises the Christmas Creek and Cloudbreak mines.
Fortescue Metals Group Ltd	Solomon Hub	Comprises the Firetail and Kings mines.
Karara Mining Limited	Karara - Blue Hills	
Kimberley Metals Group Pty Ltd	Ridges	Mining operations suspended in February 2015.
Moly Metals Australia Pty Ltd	Spinifex Ridge	Mining operations suspended in December 2014.
Mount Gibson Iron Limited	Extension Hill	
Mount Gibson Iron Limited	Koolan Island	Mining operations suspended in November 2014 following seawall failure.
Mount Gibson Iron Limited	Tallering Peak	Mining operations suspended mid- 2014, with sales of remnant materials occurred in 2014-15.
Pluton Resources Ltd	Cockatoo Island	Mining operations suspended in July 2015 as Pluton Resources entered administration.
Polaris Metals Pty Ltd	Carina	
Process Minerals International Pty Ltd	Phil's Creek	Mining operations suspended in the December quarter 2014.
Rio Tinto Ltd	Brockman 2 – Nammuldi	
Rio Tinto Ltd	Brockman 4	
Rio Tinto Ltd	Greater Paraburdoo	Comprises the Paraburdoo, Channar and Eastern Range mines.
Rio Tinto Ltd	Hope Downs 1	
Rio Tinto Ltd	Hope Downs 4	
Rio Tinto Ltd	Marandoo	
Rio Tinto Ltd	Mt Tom Price	
Rio Tinto Ltd	Robe Valley (Mesa A & Mesa J)	
Rio Tinto Ltd	West Angelas	

<b>Company</b>	<b>Project</b>	<b>Comments</b>
<b>Iron ore (cont)</b>		
Rio Tinto Ltd	Yandicoogina	
Sinosteel Midwest Corporation Ltd	Koolanooka – Blue Hills	Mining operations suspended May 2015.
<b>Manganese</b>		
Consolidated Minerals Pty Ltd	Woodie Woodie	
Hancock Prospecting Pty Ltd	Nicholas Downs	While mining operations have been suspended since late 2011, the sale of manganese ore stockpiles occurred on an <i>ad hoc</i> basis during 2014-15.
<b>Mineral sands</b>		
Cristal Mining Australia Ltd	Wonnerup mine/ Bunbury separation plant	
Doral Mineral Sands Pty Ltd	Dardanup	
GMA Garnet Pty Ltd	Port Gregory	
Iluka Resources Ltd	Capel operations	Comprises the Tutunup South mine, North Capel mineral separation plant and North Capel synthetic rutile kiln.
Iluka Resources Ltd	Eneabba operations	Comprises the Eneabba mine, Narngulu synthetic rutile plant, and Narngulu mineral separation plant.
Tronox Management Pty Ltd	Cooljarloo mine/ Chandala separation plant	
<b>Nickel</b>		
BHP Billiton Pty Ltd (Nickel West)	Cliffs	
BHP Billiton Pty Ltd (Nickel West)	Leinster	
BHP Billiton Pty Ltd (Nickel West)	Mt Keith	
First Quantum Minerals Ltd	Ravensthorpe	
Independence Group NL	Long	
Minara Resources Pty Ltd	Murrin Murrin	
Mincor Resources NL	Mariners/Miitel	
Panoramic Resources Ltd	Lanfranchi	Mining operations suspended in August 2015.
Panoramic Resources Ltd	Savannah	
Salt Lake Mining Pty Ltd	Beta-Hunt	
Western Areas Ltd	Forrestania	
<b>Rare earths</b>		
Lynas Corporation Ltd	Mt Weld	
<b>Salt</b>		
Dampier Salt Ltd	Dampier	
Dampier Salt Ltd	Lake MacLeod	
Dampier Salt Ltd	Port Hedland	
Onslow Salt Pty Ltd	Onslow	
Shark Bay Salt Pty Ltd	Shark Bay	
WA Salt Koolyanobbing Pty Ltd	Lake Deborah East	
<b>Silica sand</b>		
Rocla Pty Ltd	Gnangara	
Simcoa Operations Pty Ltd	Moora	

<b>Company</b>	<b>Project</b>	<b>Comments</b>
<b>Silica sand (cont)</b>		
TT Sand Pty Ltd	Mindijup	
<b>Talc</b>		
Imerys Talc Australia Pty Ltd	Three Springs	
<b>Tin-tantalum-lithium</b>		
Talison Lithium Australia Pty Ltd	Greenbushes Lithium	

<b>PRODUCERS OF BASIC RAW MATERIALS</b>	
<b>Company</b>	<b>Project names/locations</b>
BGC Contracting Pty Ltd	The Lakes, Port Hedland
Boral Resources (WA) Ltd	Kalgoorlie, Orange Grove, Mt Regal, Pilbara (Tabba Tabba), Red Hill
Cockburn Cement Ltd	Cockburn, Dongara, Swan, Parkeston, Woodman Point
Hanson Construction Materials Pty Ltd	Bunbury, Byford, Learmonth, Mt Barker, Mt Regal, Red Hill
Holcim (Australia) Pty Ltd	Albany, Baldivis, Bunbury, Esperance, Geraldton, Gosnells, Kalgoorlie-Boulder, Newman, Nickol Bay, Port Hedland, Turner River
Lunard Pty Ltd	Hope Valley
Mobile Concreting Solutions Pty Ltd	Indee, Tom Price
Pilbara Sands Pty Ltd	Port Hedland
Westdeen Holdings Pty Ltd	Cowcowing, Dongara, Jurien Bay, Lancelin

<b>MINERAL PROCESSING OPERATIONS</b>	
<b>Company</b>	<b>Project</b>
<b>Alumina</b>	
Alcoa of Australia Ltd	Kwinana Alumina Refinery
Alcoa of Australia Ltd	Pinjarra Alumina Refinery
Alcoa of Australia Ltd	Wagerup Alumina Refinery
South32 Worsley Alumina Pty Ltd	Worsley Alumina Refinery
<b>Gold</b>	
Gold Corporation	Perth Mint
<b>Nickel</b>	
BHP Billiton Nickel West Pty Ltd	Kalgoorlie Nickel Smelter
BHP Billiton Nickel West Pty Ltd	Kambalda Nickel Concentrator
BHP Billiton Nickel West Pty Ltd	Kwinana Nickel Refinery
<b>Silicon metal</b>	
Simcoa Operations Pty Ltd	Kemerton Silicon Smelter
<b>Titanium dioxide</b>	
Tronox Limited	Kwinana Pigment Plant