

# CHROMIUM

## INVESTMENT OPPORTUNITIES

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

### Deposits, prospects and occurrences

#### Mineralization type

- Cr in orthomagmatic mafic-ultramafic layered intrusions
- Vein and hydrothermal
- Cr-rich gravel
- Ni-Cr in laterite
- Ni-Cr in clay
- Highway / major road
- Town



### Western Australia is highly prospective for the critical mineral and battery metal Chromium

- Chromium (Cr) is found in economic quantities in the mineral chromite, which occurs as four different deposit types: stratiform chromite, podiform chromite, placer chromite and laterite deposits
- Western Australia has produced over 1.3 Mt of chromite between 1996 and 2014
- The Coobina mine was the sole producer since it reopened in 1973, and has been on care and maintenance since 2013
- The Weld Range Project, located northwest of Geraldton, has a Ni-Co laterite mineral resource of 385 Mt at 0.78% Cr, which partially overlaps a high-grade chromium Mineral Resource estimated at 63.5 Mt at 5.22% Cr



Department of Mines,  
Petroleum and Exploration

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Geological Survey of  
Western Australia

# Chromium mineral resource estimates by contained Cr (Mt)

Resources estimated according to pre-2012 JORC

Project	Status	Owner	Resources (Mt)	Av. grade Cr (%)	Contained Cr (kt)	Resource date
Weld Range: high-grade chromium*	Exploration	Ausinox	63.5	5.22	3.315	24/09/2013
Weld Range: nickel-cobalt laterite*	Pre-feasibility	Ausinox	385.3	0.78	3.005	29/10/2013
Coobina	Care and maintenance	Mineral Resources	1.5	29.40	0.441	30/06/2011

\* Mineral resource estimates partially overlap, and chromium resource is associated with a nickel-cobalt resource

## Properties and uses

- Is an abundant element which occurs mostly in the mineral chromite
- Uses include in the production of highly resistant metal alloys and manufacturing of cutlery, fuel hoses and car parts
- Is considered a critical mineral by many countries



Coobina open-cut mine, showing chromite lenses  
(Image courtesy Consolidated Minerals)

### 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

### Contact us

Mineral Investment Specialist  
Geological Survey and Resource Strategy Division  
Email: [minerals.investors@dmpe.wa.gov.au](mailto:minerals.investors@dmpe.wa.gov.au)  
Tel: +61 8 9222 3890



Department of **Mines,  
Petroleum and Exploration**

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



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