

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



Government of Western Australia
Department of Mines, Industry Regulation and Safety

dmirs.wa.gov.au

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 opencut mine, showing chromite lenses
(Image courtesy Consolidated Minerals)

For more information



Geological Survey of
Western Australia

www.dmirs.wa.gov.au/gswa

MINEDEX

www.dmirs.wa.gov.au/minedex

GeoVIEW.WA

www.dmirs.wa.gov.au/geoview

Contact us

Sarah Sargent

Geological Survey and Resource Strategy Division

Email: minerals.investors@dmirs.wa.gov.au

Tel: +61 8 9222 3890



Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

December 2021

Geological Survey of
Western Australia

