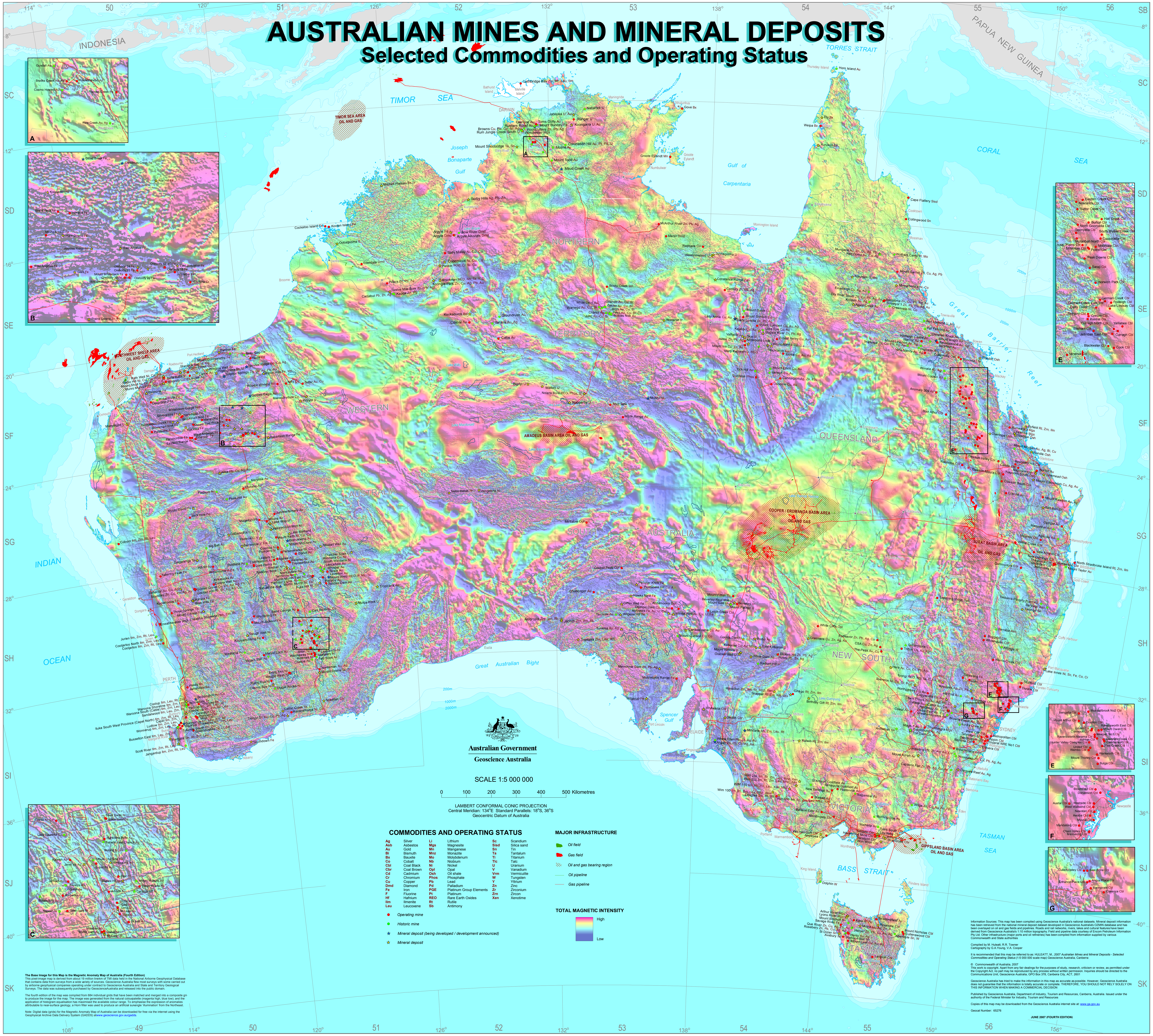
AUSTRALIAN MINES AND MINERAL DEPOSITS

Selected Commodities and Operating Status



Australian Government
Geoscience Australia

SCALE 1:5 000 000

0 100 200 300 400 500 Kilometres

LAMBERT CONFORMAL CONIC PROJECTION
Central Meridian: 134°E Standard Parallels: 18°S, 36°S
Geocentric Datum of Australia

COMMODITIES AND OPERATING STATUS

Ag	Silver	Li	Lithium	Sc	Scandium
Asb	Asbestos	Mgs	Magnesite	Sisd	Silica sand
Au	Gold	Mn	Manganese	Sn	Tin
Bi	Bismuth	Mnz	Monazite	Ta	Tantalum
Bx	Bauxite	Mo	Molybdenum	Ti	Titanium
Co	Cobalt	Nb	Niobium	Tlc	Talc
Cbl	Coal Black	Ni	Nickel	U	Uranium
Cbr	Coal Brown	Opl	Opal	V	Vanadium
Cd	Cadmium	Osh	Oil shale	Vrm	Vermiculite
Cr	Chromium	Phos	Phosphate	W	Tungsten
Cu	Copper	Pb	Lead	Y	Yttrium
Dmd	Diamond	Pd	Palladium	Zn	Zinc
Fe	Iron	PGE	Platinum Group Elements	Zr	Zirconium
F	Fluorine	Pt	Platinum	Zrn	Zircon
Hf	Hafnium	REO	Rare Earth Oxides	Xen	Xenotime
Ilm	Ilmenite	Rt	Rutile		
Leu	Leucoxene	Sb	Antimony		

- Operating mine
- Historic mine
- Mineral deposit (being developed / development announced)
- Mineral deposit

MAJOR INFRASTRUCTURE

- Oil field
- Gas field
- Oil and gas bearing region
- Oil pipeline
- Gas pipeline

TOTAL MAGNETIC INTENSITY

High

Low

The Base Image for this Map is the Magnetic Anomaly Map of Australia (Fourth Edition)
This pixel-image map is derived from about 19 million line-km of TMI data held in the National Airborne Geophysical Database that contains data from surveys from a wide variety of sources. Geoscience Australia flew most surveys with some carried out by airborne geophysical companies operating under contract to Geoscience Australia and State and Territory Geological Surveys. The data was subsequently purchased by GeoscienceAustralia and released into the public domain.

The fourth edition of the map was compiled from 684 individual grids that have been matched and merged into a composite grid to produce the image for the map. The image was generated from the natural colourpalette (magenta high, blue low); and the application of histogram equalisation has maximised the available colour range. To emphasise the expression of anomalies attributable to near-surface geology, a Horn filter was used to produce an artificial sun-angle ‘illumination’ from the Northeast.

Note: Digital data (grids) for the Magnetic Anomaly Map of Australia can be downloaded for free via the internet using the Geophysical Archive Data Delivery System (GADDS) at www.geoscience.gov.au/gadds.

Information Sources: This map has been compiled using Geoscience Australia's national datasets. Mineral deposit information has been retrieved from the national mineral deposit dataset developed in Geoscience Australia's OZMIN database and has been overlayed on oil and gas fields and pipelines. Roads and rail networks, rivers, lakes and cultural features have been derived from Geoscience Australia's 1:10 million topography. Field and pipeline data courtesy of Encom Petroleum Information Pty Ltd. Other infrastructure (major ports and oil refineries) has been compiled from information supplied by various Commonwealth and State authorities

Compiled by M. Huleatt, R.R. Towner
Cartography by G.A.Young, V.A. Cooper

It is recommended that this map be referred to as: HULEATT, M., *2007 Australian Mines and Mineral Deposits - Selected Commodities and Operating Status* (1:5 000 000 scale map) Geoscience Australia, Canberra

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Geoscience Australia has tried to make the information in this map as accurate as possible. However, Geoscience Australia does not guarantee that the information is totally accurate or complete. THEREFORE, YOU SHOULD NOT RELY SOLELY ON THIS INFORMATION WHEN MAKING A COMMERCIAL DECISION

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