



Australian Government  
Geoscience Australia

# AUSTRALIAN COPPER RESOURCES

SCALE 1:10 000 000



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

Copper occurrences

- Mineral deposits with up to 1 000 tonnes of copper (107)
- Mineral deposits with 1 000 to 10 000 tonnes of copper (82)
- Mineral deposits with 10 000 to 100 000 tonnes of copper (97)
- Mineral deposits with 100 000 to 250 000 tonnes of copper (123)
- Mineral deposits with 250 000 to 1 million tonnes of copper (80)
- Mineral deposits with 1 million to 10 million tonnes of copper (9)
- Mineral deposits with 10 million to 50 million tonnes of copper (1)
- Mineral deposits with more than 50 million tonnes of copper (1)

Number of deposits shown in brackets

- Geological regions with up to 1 000 tonnes of copper
- Geological regions with 1 000 to 10 000 tonnes of copper
- Geological regions with 10 000 to 100 000 tonnes of copper
- Geological regions with 100 000 to 1 million tonnes of copper
- Geological regions with 1 to 10 million tonnes of copper
- Geological regions with 10 to 40 million tonnes of copper
- Geological regions with more than 40 million tonnes of copper
- Geological regions boundary, broken where subdivided

Compiled by S. Jaireth, K. Porritt

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Copies of this map may be downloaded from the Geoscience Australia website at: <http://www.ga.gov.au>

This map is based on information compiled from publicly available sources on some 500 Australian deposits with copper resources, including world-class deposits. Compilation of data is ongoing

Deposit size is the total tonnage of copper that is or was in a deposit as estimated by Geoscience Australia. It was derived by summing the aggregate production from a deposit and the current or remaining resources in that deposit

Regional resources are the aggregate of resources in deposits occurring in the region. Regions defined here are based on Geoscience Australia's Georegions arcinfo coverage. Subdivisions of the Lachlan Orogen and Yilgarn Craton are based on data from published sources

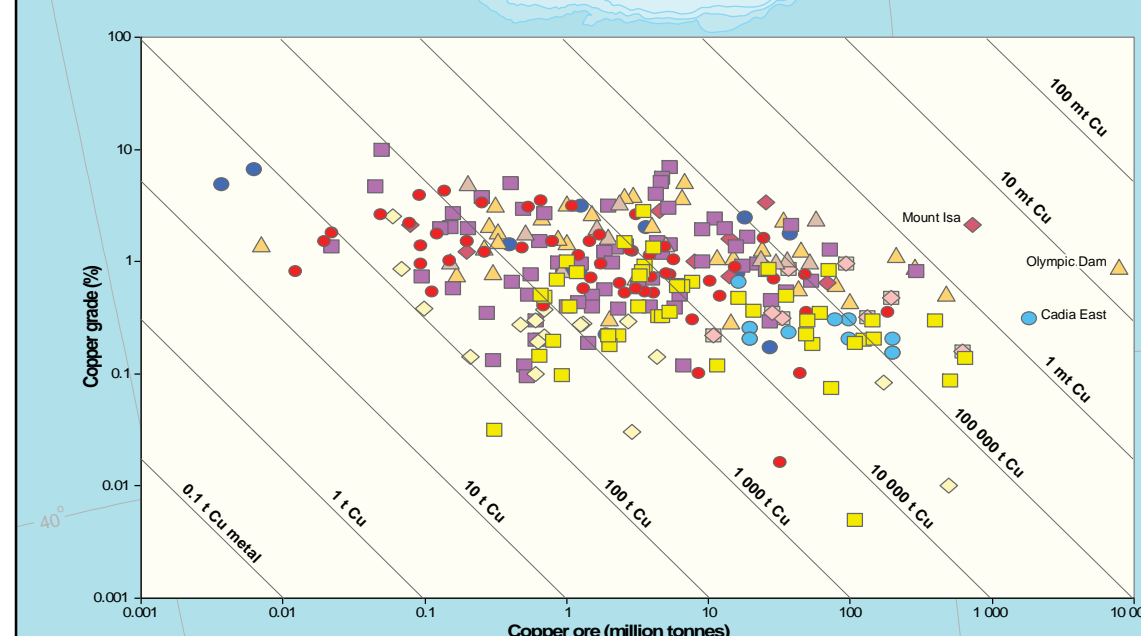
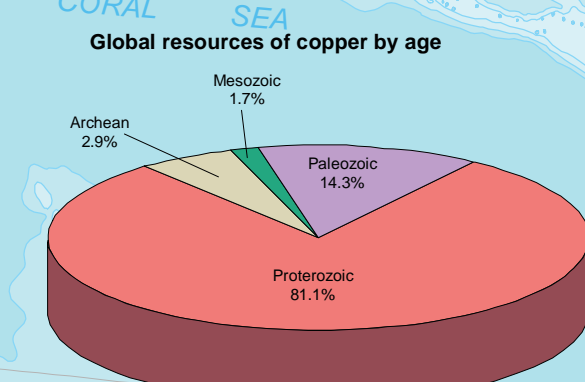
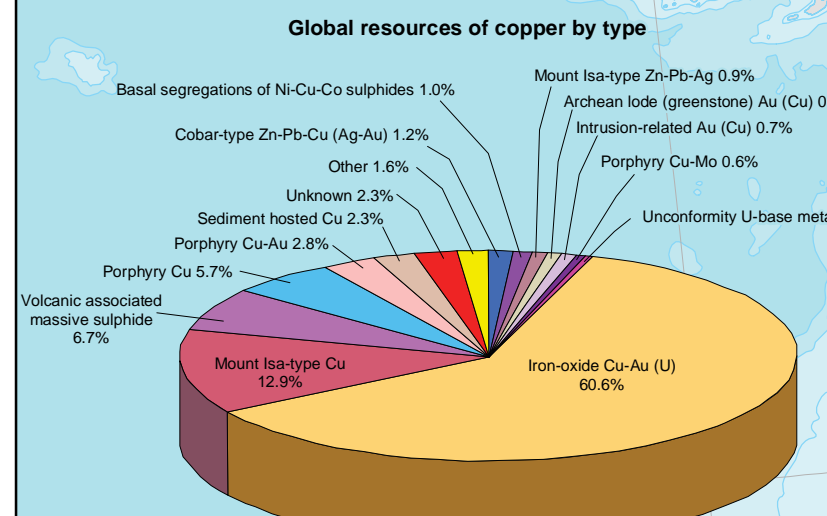
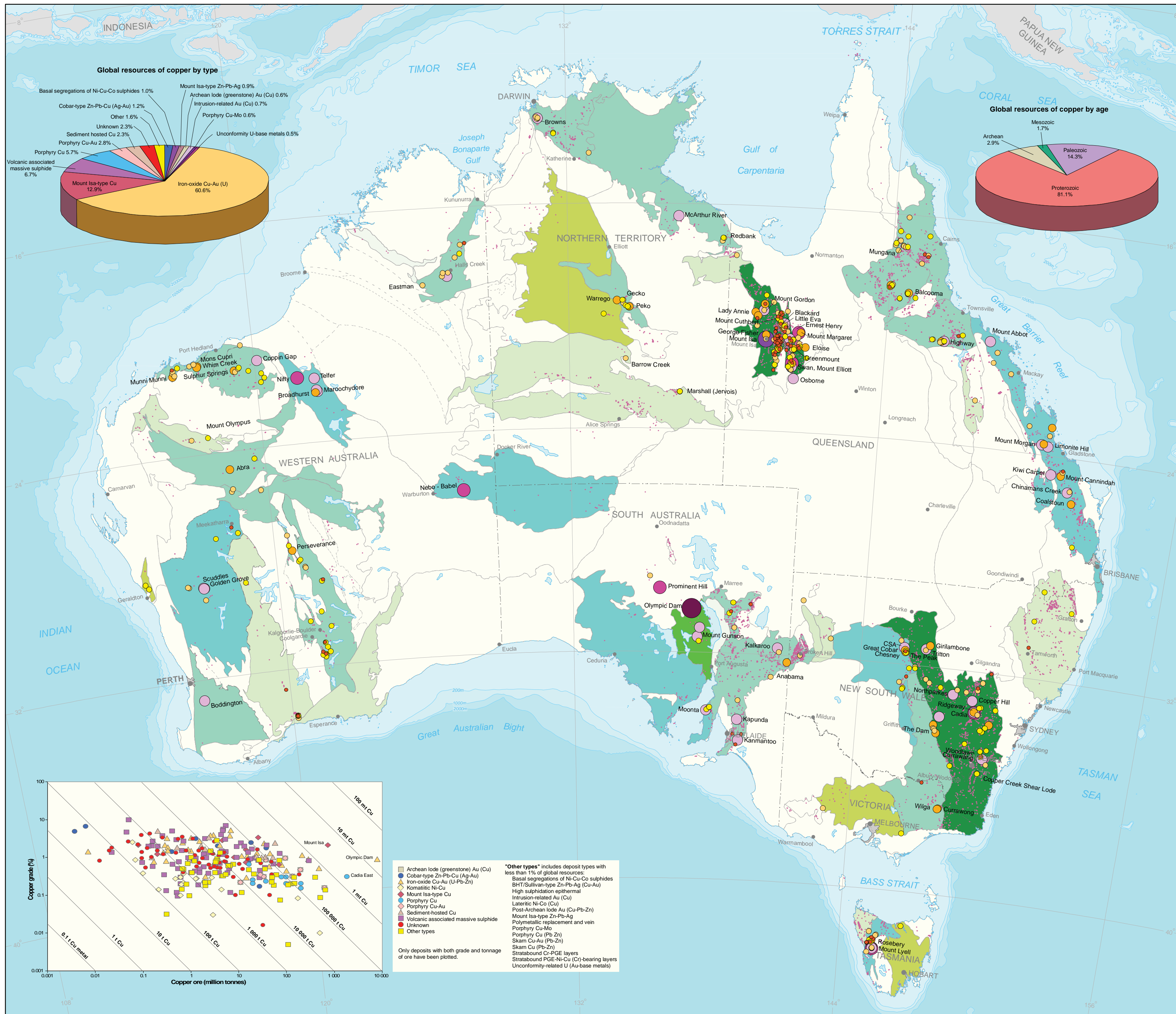
Location information used in this map is derived from Geoscience Australia's Ozmin database for deposits. Ozmin data for each deposit, including resources, can be accessed at: <http://www.australianminerals.gov.au>

It is recommended that this map be referred to as: Jaireth, S., Porritt, K., 2009, Australian Copper Resources, March 2009 Edition, 1:10 000 000 scale map, Geoscience Australia, Canberra, Australia

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Archaean lode (greenstone) Au (Cu)  
 Cobalt-type Zn-Pb-Cu (Ag-Au)  
 Iron-oxide Cu-Au (U-Pb-Zn)  
 Komatiitic Ni-Cu  
 Mount Isa-type Cu  
 Porphyry Cu  
 Porphyry Cu-Au  
 Sediment-hosted Cu  
 Volcanic associated massive sulphide  
 Unknown  
 Other types

Other types\* includes deposit types with less than 1% of global resources:  
 Basal segregations of Ni-Cu-Co sulphides  
 BHT/Sullivan-type Zn-Pb-Ag (Cu-Au)  
 High sulphidation epithermal  
 Intrusion-related Au (Cu)  
 Lateritic Ni-Co (Cu)  
 Post-Archaean lode Au (Cu-Pb-Zn)  
 Mount Isa-type Zn-Pb-Ag  
 Polymetallic replacement and vein  
 Porphyry Cu-Mo  
 Porphyry Cu (Pb Zn)  
 Skarn Cu-Au (Pb-Zn)  
 Skarn Cu (Pb-Zn)  
 Stratabound Cr-PGE layers  
 Stratabound PGE-Ni-Cu (Cr)-bearing layers  
 Unconformity-related U (Au-base metals)

Only deposits with both grade and tonnage of ore have been plotted.