

COPPER MINERALISATION BY EVENT, STATUS AND TYPE

Event

- MinEv10 (~ 660 to 640 Ma)
- MinEv9 (~ 860 to 840 Ma)
- MinEv8 (~ 1080 to 1060 Ma)
- MinEv7 (~ 1540 to 1500 Ma)
- MinEv6 (~ 1600 to 1550 Ma)
- MinEv5 (~ 1630 to 1610 Ma)
- MinEv4 (~ 1700 to 1640 Ma)
- MinEv3 (~ 1740 to 1720 Ma)
- MinEv2 (~ 1810 to 1760 Ma)
- MinEv1 (~ 1860 to 1840 Ma)

Age

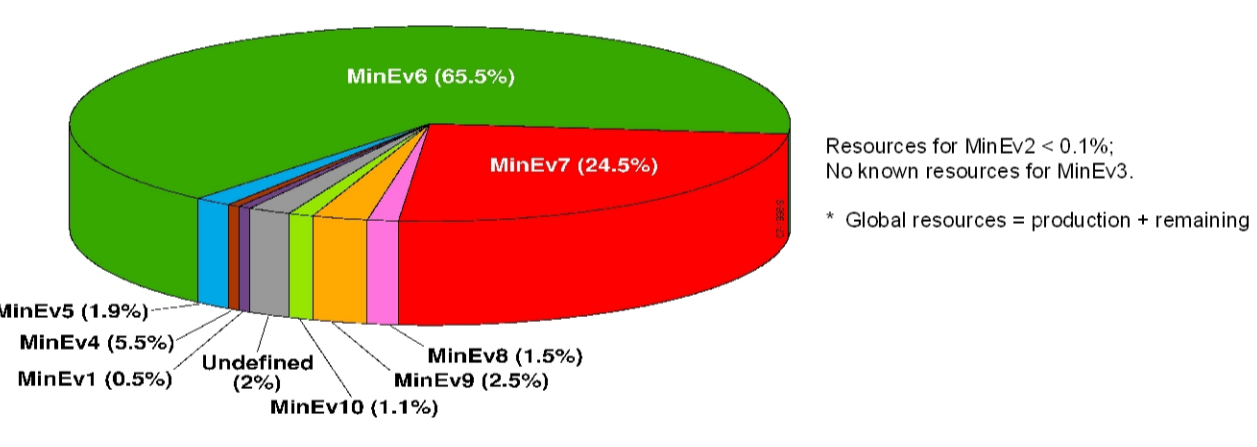
Determined	Inferred	Deposit type
●	○	Broken Hill-type lead-zinc-silver-copper
◆	◇	Copper-lead-zinc polymetallic vein
◆	◇	Iron-oxide copper-gold-uranium
●	○	Intrusive-related nickel-copper-PGE
●	○	Intrusive-related gold-copper
●	○	Kuroko-type volcanic-associated massive sulphide zinc-lead-copper-gold
▲	△	Lode gold-copper
▲	△	Mt Isa-type copper
▲	△	Mt Isa-type zinc-lead-silver-gold-copper
●	○	Porphyry copper-gold-molybdenum
●	○	Sediment-hosted copper-lead-zinc-uranium
○	○	Undefined
●	●	Copper occurrence (only within regions of Proterozoic age)

MAIN MINERALISED REGIONS BY PREDOMINANT GEOLOGICAL AGE

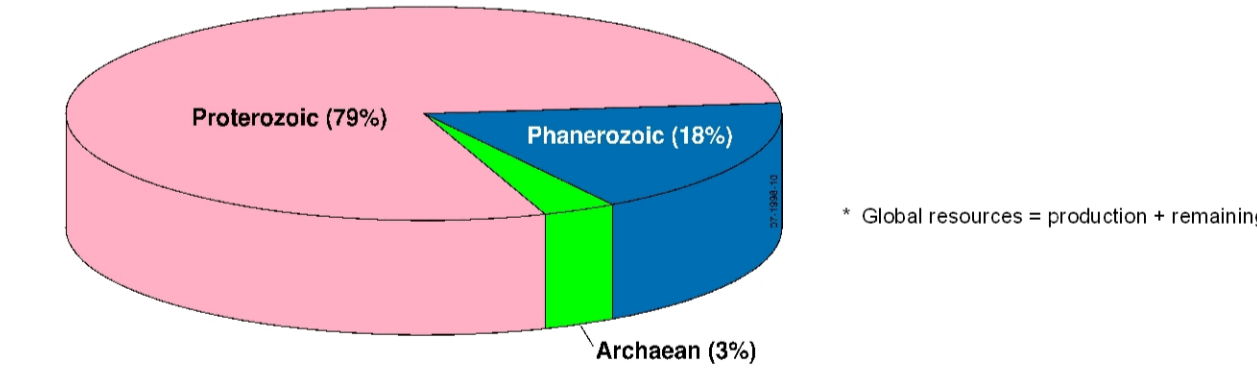
- Proterozoic to Palaeozoic
- Proterozoic
- Archaean to Proterozoic

Mineralising events are defined based on the age of a mineral deposit.
Determined: deposits/events for which mineralisation, alteration, or host rocks (for syngenetic deposits) have been directly dated (including Pb/Pb model age).
Inferred: deposits for which the age is inferred based on the age of similar deposits of the dated category.
Undefined: Proterozoic deposits of undetermined age.
 Copper deposits and occurrences in the Charters Towers, Coen, Rocky Cape and Tyennan regions are of Phanerozoic age.

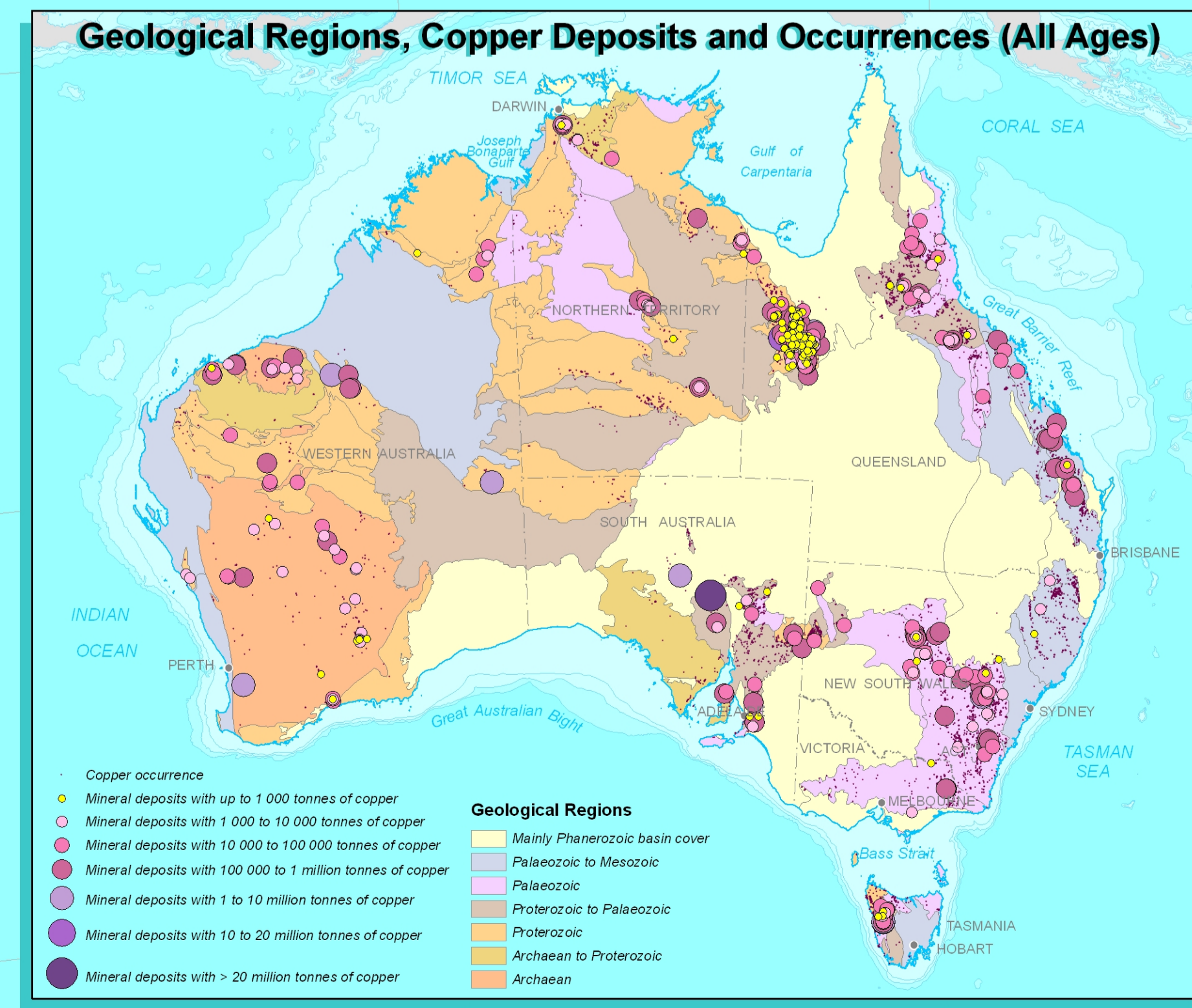
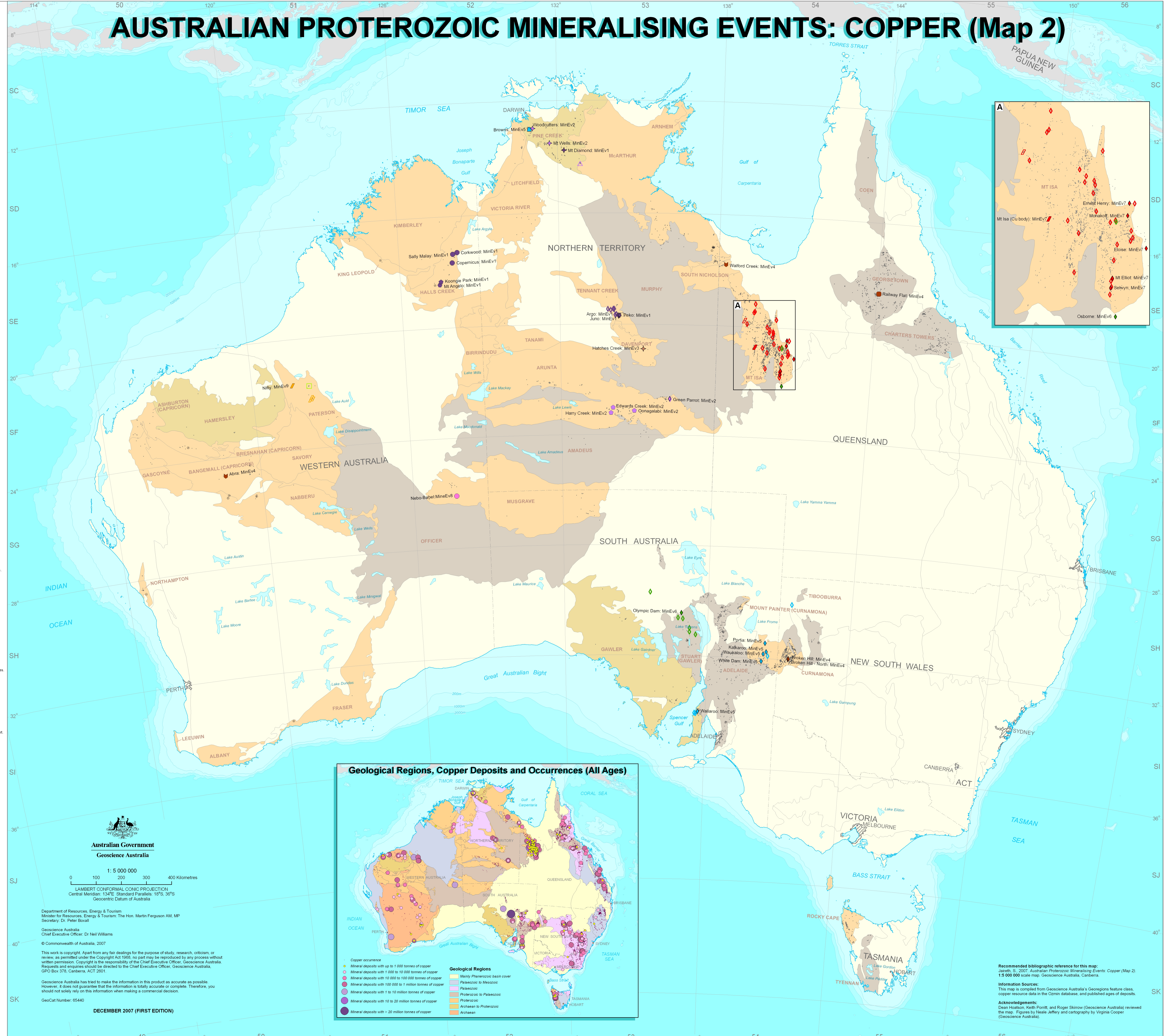
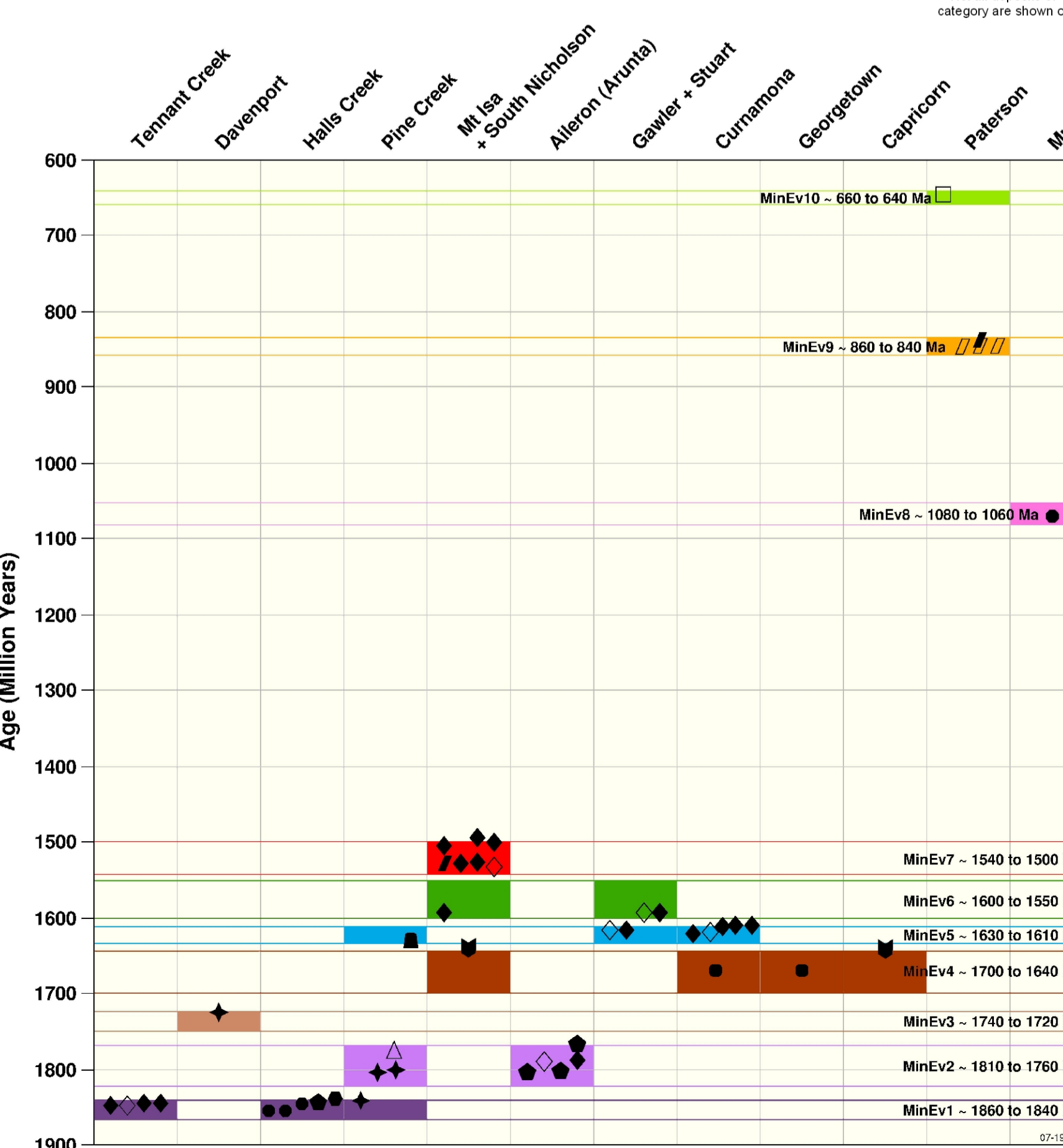
Australian Copper Resources by Proterozoic Mineralising Events



Australian Copper Resources by Age



Time-Space Chart of Copper Mineralising Events



Australian Government
Geoscience Australia

1:5 000 000
 0 100 200 300 400 Kilometres

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

Department of Resources, Energy & Tourism
 Minister for Resources, Energy & Tourism: The Hon. Martin Ferguson AM, MP
 Secretary: Dr. Peter Boxall

Geoscience Australia
 Chief Executive Officer: Dr. Neil Williams

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 Jaxby, S., 2007. Australian Proterozoic Mineralising Events: Copper (Map 2). 1:5 000 000 scale map. Geoscience Australia, Canberra.

Information Sources:
 This map is compiled from Geoscience Australia's Georegions feature class, copper resource data in the Ozmin database, and published ages of deposits.

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 Dean Houston, Keith Powell, and Roger Skirrow (Geoscience Australia) reviewed the map. Figures by Heale, Jeffrey and cartography by Virginia Cooper (Geoscience Australia).