AUSTRALIAN PROTEROZOIC MINERALISING EVENTS: GOLD (Map 1)

GOLD MINERALISATION BY EVENT, STATUS AND TYPE

Event

- MinEv10 (~ 660 to 640 Ma)
- MinEv9 (~ 860 to 840 Ma)
- MinEv8 (~ 1080 to 1060 Ma) – not recorded for gold
- MinEv7 (~ 1540 to 1500 Ma)
- MinEv6 (~ 1600 to 1550 Ma)
- MinEv5 (~ 1630 to 1600 Ma)
- MinEv4 (~ 1700 to 1640 Ma)
- MinEv3 (~ 1740 to 1720 Ma)
- MinEv2 (~ 1810 to 1760 Ma)
- MinEv1 (~ 1860 to 1840 Ma)

Age: Determined	Age: Inferred	Deposit type
■	□	*Intrusive-related gold*
♦	◊	*Iron-oxide copper-gold±uranium*
⬟	⬠	*Kuroko-type volcanic-associated massive sulphide zinc-lead-copper±gold*
⛊	⛉	*Mt Isa-type zinc-lead-silver±gold±copper*
●	○	*Orogenic lode gold*
▲	△	*Unconformity-related uranium-gold*
	⊙	*Undefined*
	•	*Gold occurrence (only within regions of Proterozoic age)*

GEOLOGICAL REGIONS BY GOLD RESOURCES* (Regions of Proterozoic age gold only)

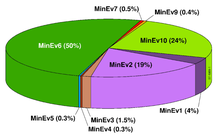
- *Geological regions with undefined resources of gold*
- *Geological regions with 1 to 10 tonnes of gold*
- *Geological regions with 10 to 100 tonnes of gold*
- *Geological regions with 100 to 1000 tonnes of gold*
- *Geological regions with 1000 to 5000 tonnes of gold*

* Global resources = production + remaining resources.

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.

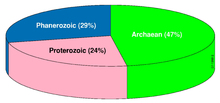
Out of the 10 major Proterozoic mineralising events (Gold, Uranium and Base metals) only 9 are identified as gold. MinEv 8 (1080 Ma to 1060 Ma) is not recorded.

Australian Gold Resources* by Proterozoic Mineralising Events



* Global resources = production + remaining resources.

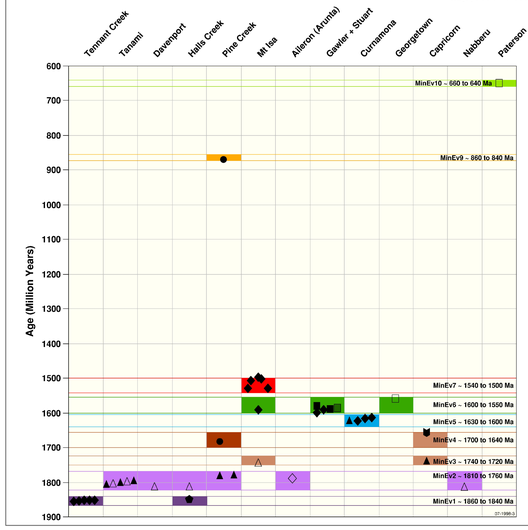
Australian Gold Resources* by Age



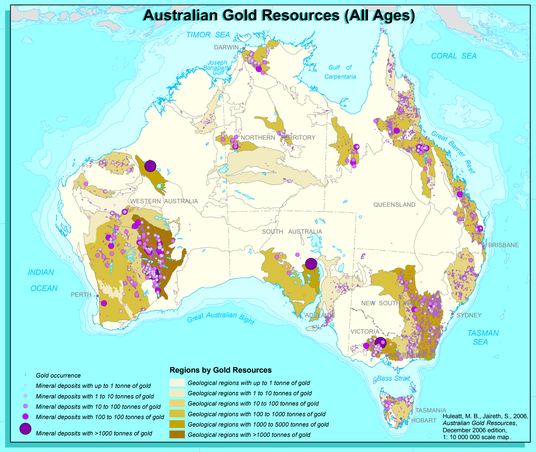
* Global resources = production + remaining resources.

Time-Space Chart of Gold Mineralising Events*

* Not all deposits of "inferred" category are shown on the chart.



Australian Gold Resources (All Ages)



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 Industry, Tourism & Resources
Minister for Industry, Tourism & Resources: The Hon. Ian Macfarlane, MP
Parliamentary Secretary: The Hon. Bob Baldwin, MP
Secretary: Mr Mark Paterson

Geoscience Australia
Chief Executive Officer: Dr Neil Williams

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Data references used:
Geological regions with gold resources:
Huleatt, M. B., Jaireth, S., 2006. *Australian Gold Resources*, December 2006 edition, 1: 10 000 000 scale map. Geoscience Australia, Canberra, Australia, Geocat No: 65144 ISBN: 9781921236242

Information Sources:
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