AUSTRALIAN PROTEROZOIC MINERALISING EVENTS: LEAD-ZINC (Map 2)

LEAD-ZINC MINERALISATION BY EVENT, STATUS AND TYPE

Event

- MinEv10 (~ 660 to 640 Ma) – not recorded for lead-zinc
- MinEv9 (~ 860 to 840 Ma) – not recorded for lead-zinc
- MinEv8 (~ 1080 to 1060 Ma) – not recorded for lead-zinc
- 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) – not recorded for lead-zinc
- MinEv2 (~ 1810 to 1760 Ma)
- MinEv1 (~ 1860 to 1840 Ma)

Age: Determined	Age: Inferred	Deposit type
●	○	*Broken Hill-type lead-zinc-silver*
♦	◊	*Iron-oxide copper-gold±uranium*
⬟	⬠	*Kuroko-type volcanic-associated massive sulphide zinc-lead-copper±gold*
✦	✧	*Lead-zinc±copper polymetallic vein*
◥	◥	*Mt Isa-type zinc-lead-silver±gold±copper*
▲	△	*Sediment-hosted copper±lead±zinc±uranium*
♥	▽	*Skarn lead-zinc*
	◦	*Undefined*
	·	*Lead-zinc occurrence (only within regions of Proterozoic age)*

MAIN MINERALISED REGIONS BY PREDOMINANT GEOLOGICAL AGE

- *Proterozoic to Palaeozoic*
- *Proterozoic*
- *Archaean to Proterozoic*

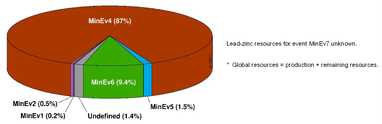
Mineralising events are defined based on the age of a mineral deposit.

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.

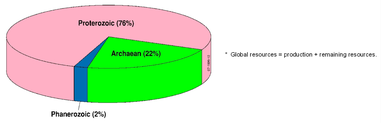
Australian Lead-Zinc Resources* by Proterozoic Mineralising Events



Lead-zinc resources for event MinEv7 unknown.

* Global resources = production + remaining resources.

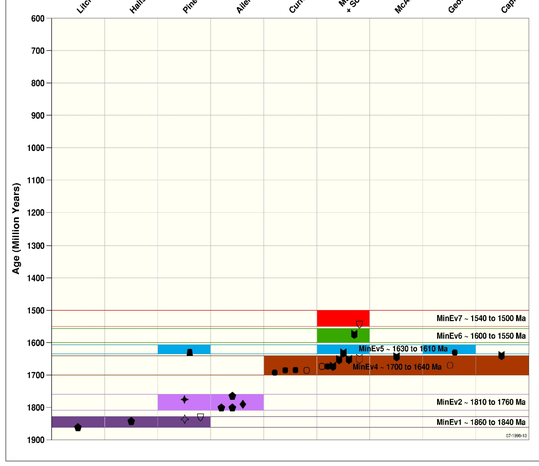
Australian Lead-Zinc Resources* by Age



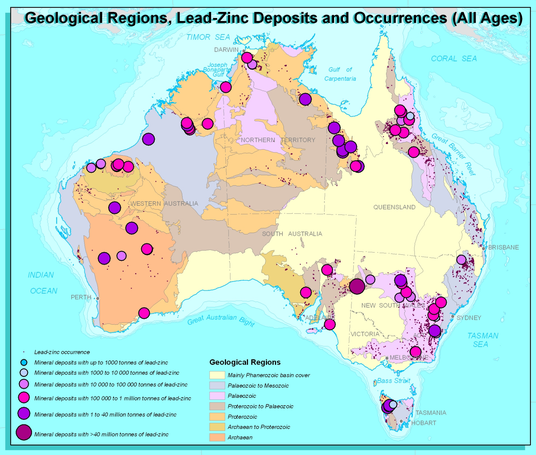
* Global resources = production + remaining resources.

Time-Space Chart of Lead-Zinc Mineralising Events*

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



Geological Regions, Lead-Zinc Deposits and Occurrences (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 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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Information Sources:
This map is compiled from Geoscience Australia's Georegions feature class, lead-zinc resource data in the Ozmin database, and published ages of deposits.

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