



Geoscience Australia Minerals Alert November 2002

NOTE two important seminars in November - see the [flyer](#) and [program](#)

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1: Geoscience Australia Mineral Seminars

The latest results from Geoscience Australia's minerals program will be presented at one day seminars in Perth and Canberra in November. Seminars will have presentations, demonstrations and poster displays of new results from: Norseman-Wiluna region, WA, Gawler Craton, SA, Tanami-Arunta, NT, Broken Hill Exploration Initiative, North Australian basins and the National Geoscience Databases and Maps program For more information see the [flyer](#) and [program](#).

2: Gawler Craton 2002: State of Play

This two-day workshop in Adelaide on 5-6 December will examine recent developments in regional concepts and data for targeting ore systems in the Gawler Craton. The workshop will include seminars and displays of core. for additional information visit www.ga.gov.au/rural/projects/gaw_events.html

3: Komatiite-related Ni-Cu-PGE potential - Gawler Craton

Geoscience Australia in collaboration with Minerals and Energy Resources South Australia has released a new 1:250 000 colour map (pdf format) of the Archaean Harris Greenstone Belt in the central Gawler Craton, South Australia. The preliminary map of the Precambrian basement geology is based on high-resolution aeromagnetics, gravity, and diamond drilling. It highlights the extensive distribution of poorly exposed komatiites (>300 km strike extent) and associated rocks that have potential for Archaean Ni-Cu-PGE sulphide and Archaean-Proterozoic lode-Au mineralising systems. (http://www.ga.gov.au/rural/projects/gaw_mapgis.html#maps) Contact: Roger.Skirrow@ga.gov.au

4: Batten trough Seismic Survey - 2002

The predictive mineral discovery Cooperative Research Centre (pmd*CRC; <http://www.pmdcrc.com.au>) in collaboration with GA, NTGS and AngloAmerican will be conducting a seismic survey in the Batten Trough region of the McArthur Basin in late October-early November. The seismic survey will examine the fundamental basin architecture of the Batten Trough and nature of the underlying basement. The program is designed to test geometric models for the McArthur Basin, specifically to examine the sequence stratigraphy of the Palaeo- and Mesoproterozoic basins, their bounding faults and relevant basement structures. The data should be publicly available by the middle of 2003. Contact Russell.Korsch@ga.gov.au

5: Geoscience Australia participates in new Eastern Yilgarn AMIRA project

A new 3 year AMIRA project P763 (Tectonostratigraphic and Structural Architecture of the Eastern Yilgarn Craton) has just begun with the support of 6 industry sponsors, the Predictive Mineral Discovery CRC (pmd*CRC) and the Geological Survey of Western Australia. Research members of the AMIRA project involves personnel from GA, University of Western Australia, and Monash University. The AMIRA project incorporates the pmd*CRC Y1 project (with the same name), and focuses on increasing our geological understanding of the lithospheric- to crustal-scale architecture of the Yilgarn Craton and related controls on world-class mineral deposits. The project is open for further industry sponsorship. Contact: kevin.cassidy@mpr.wa.gov.au.

6: Australia's Identified Mineral Resources

Geoscience Australia's annual review of Australia's Identified Mineral Resources has been released in pdf format and is available for downloading. The report notes that economic demonstrated resources (EDR) of gold, nickel and mineral sands registered significant growth to reach record levels in 2001. EDR of bauxite, copper, lead, magnesite, nickel, phosphate, PGM, tantalum, silver, vanadium and zinc also rose but those of black coal, diamonds, iron ore, lithium, manganese ore and uranium fell. The report also provides an overview of exploration activity in 2001. www.ga.gov.au/rural/projects/20010917_46.jsp

7: Australian Mineral Deposits CDROM

A new CDROM Australian Mineral Deposits 2002 has been released by Geoscience Australia. The CD allows the user to interactively display the location of selected Australian mineral deposits according to their size, age and deposit type on background maps of elevation, magnetics or georegions. Commodities covered are: copper, zinc, nickel, gold, iron ore, diamonds, coal and mineral sands. Copies of the CD will be available for distribution after 15 November 2002. For further information or to request a copy of the CD contact mike.huleatt@ga.gov.au.

For additional information contact Mike Huleatt by phone on +61 (0)2 6249 9087 or by email at mike.huleatt@ga.gov.au

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