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ontheoutcrop is a Geological Survey of New South Wales (GSNSW) e-newsletter. For more information about newsletter items go to: <http://www.dpi.nsw.gov.au/minerals/geological>

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UPCOMING EVENTS

Geodiversity, Geological Heritage and Geotourism Symposium, Port Macquarie, NSW, 6–10 September 2010

The [Symposium](#) will be held at the Sea Acres Nature Reserve, Port Macquarie and will comprise three days of talks and two days of field excursions. The symposium will cover geodiversity and its relationship to industry and conservation; NSW geotourism potential; the extent and significance of NSW geoheritage sites; geoconservation initiatives; and geobotany using plant communities to assist mineral exploration.

Contact: Ian Percival, Principal Research Scientist, ian.percival@industry.nsw.gov.au, 02 4777 0315

Mines and Wines 2010, Mudgee, 23–24 September

The [conference](#) will be held at the Quality Parklands Resort and Conference centre at Mudgee. The event is a premier technical gathering for mineral explorers working in the Tasmanides in eastern Australia. Events planned include technical sessions, industry booths, dinner, excursions and a wine tour. On-line registration is available on the [Geological Survey events page](#).

Contact: Maggie Moffat, Executive Assistant, maggie.moffat@industry.nsw.gov.au, 02 4931 6592

EROL training at Mines & Wines, September 2010

Expressions of interest are called for regarding the provision of training in the application of EROL (Exploration & environmental Reports Online Lodgement) for mineral exploration reporting at the Mines & Wines Conference in Mudgee in September.

Contact: Trisha Moriarty, Team Leader, trisha.moriarty@industry.nsw.gov.au

NEO2010 – Tectonics, Resources and Mineral Prospectivity, Armidale, 16–19th November

[New England Orogen 2010](#) is a celebration of more than seventy years of geology at New England University College of the University of Sydney (1939) and the University of New England (1954) plus the launch of the New England Granites database. The symposium will cover tectonics, resources and mineral prospectivity of the New England region and feature keynote addresses by John Dewey, Richard Stanton and Phil Blevin. There are fieldtrips before, during and after the symposium.

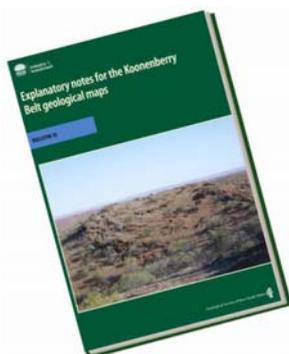
Contact: Peter Flood, committee member, UNE, pflood@une.edu.au or any of the committee members listed at the [NEO2010 website](#).



Industry &
Investment

NEW PRODUCTS AND SERVICES

Explanatory Notes for the Koonenberry Geological Mapping Project



Bulletin 35: Explanatory Notes for the Koonenberry Belt geological maps accompanies a series of twenty-two geological maps in the Koonenberry Belt (twelve 1:100 000, four 1:25 000 geological maps, two 1:250 000 solid geology interpretation maps and four 1:100 000 regolith maps). The 528-page [Bulletin 35](#) covers stratigraphy, geophysics, geochemistry, mineral systems, structural interpretations, age dating and palaeontology. It represents a new approach to the presentation of information, which complies with client requests for more use of tables, stratigraphic columns and upfront summaries.

Bulletin 35 is the culmination of 15 years work on the [Koonenberry Geological Mapping Project](#) and involved the input of 90 geoscientists, cartographers/GIS analysts and technical staff. In addition, 58 station owners and managers in the

Koonenberry region of far north-western NSW cooperated with the field teams to facilitate their mapping.

Bulletin 35 costs \$150 and is available through '[Ordering Geological Survey products](#)'

1:25 000 Koonenberry Belt geological maps

The first of the Koonenberry maps available are the four 1:25 000 maps that cover the:

- [Tibooburra Inlier](#)
- [Warratta Inlier](#)
- [Mount Arrowsmith Inlier](#)
- [Mount Browne, Mount Poole and The Gorge Inliers](#)

These printed maps represent a first for the Geological Survey of NSW. They are printed on UltraYupo® synthetic paper which is virtually waterproof, tear resistant, resistant to chemicals and allows printing with a high degree of sharpness. It is intended that all future geological series maps will be printed on synthetic paper.

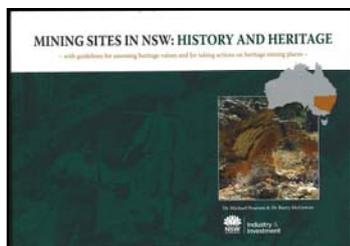
Both *Bulletin 35* and the maps are available through '[Ordering Geological Survey products](#)'

2010 DIGS petroleum open file reports packages

Geoscience Information has facilitated access to statewide open file Petroleum reports by packaging them and enabling clients to download the packages onto their own computers rather than downloading each report individually through the internet via DIGS. The combined packages are approximately 80 Gb. They are also available on DVD.

Contact: Wenlong Qian, Senior Geoscientist, wenlong.qian@industry.nsw.gov.au, 02 4931 6556

Mining history and heritage book — a rich photographic and written record



[Mining Sites in NSW: History and Heritage](#) presents the history of mining in NSW from the 1850s to the early 1900s by profiling the exploitation of different mineral groups. It provides an assessment of the heritage significance of mine sites and gives guidelines for actions associated with abandoned mine sites. It is illustrated with 124 outstanding historic photos from the Department's archives. The book was produced by I&I NSW — Mineral Resources, Environmental Sustainability Unit. It costs \$60 and can be purchased over the counter at the Maitland Office or online at: <http://www.dpi.nsw.gov.au/aboutus/resources/bookshop/mining-sites>.

Contact: Scott Brooks, Derelict Mines Coordinator, scott.brooks@industry.nsw.gov.au, 02 4931 6604

PROJECT HIGHLIGHTS

Metallogenic Map of NSW

The Mineral Systems (MinSys) team is developing a metallogenic map of NSW under the Mineral Systems and Processes of NSW project. It will use the recently released 1:3 million scale geological map as a base and will show the distribution of major mineral deposits as key mineral systems identified in the [Mineral Systems Classification](#). This scheme was proposed by the MinSys team in 2008 and has since incorporated input from industry and other researchers. Mineral deposits will be grouped according to

commodity and size criteria. This map will synthesize much of the dating work carried out by the MinSys team and is the initial step in an investigation of the timing of metallogenic events in NSW. This should allow the targeting of individual deposit types for further studies.

Contact: Peter Downes, Senior Geoscientist, peter.downes@industry.nsw.gov.au, 02 4931 6708

Southeast Lachlan airborne geophysical survey progress report

The Southeast Lachlan airborne geophysical survey is now over 80% completed. The survey aircraft that was based in Merimbula is now based at Canberra airport for the acquisition of the remaining northern part of the survey. It is anticipated that a preliminary release of data will take place at the Mines & Wines Conference, 23–24 September 2010, in Mudgee.

Rationalisation of NSW Stratigraphic Units

A team of consultants and GSNSW geologists have rationalised over 12 000 NSW current and obsolete stratigraphic units down to approximately 3200 current units. This project builds on work performed by Helena Basden and Geoscience Australia. The work is also being integrated with biostratigraphy by Ian Percival and zircon geochronology by Geoscience Australia and GEMOC at Macquarie University. It contributes to a standard framework not only for NSW but other states as well and provides a single point of truth for all geological data related to lithostratigraphic units.

Contact: John Greenfield, Team Leader, john.greenfield@dpi.nsw.gov.au, 02 4931 6728

RECENT EVENTS

‘Exploration in the House’

The geoscientific activities of the GSNSW, highlighting projects funded under the New Frontiers exploration initiative, were recently showcased at the Exploration in the House seminar at the Parliament House Theatre, Macquarie Street, Sydney on June 9. The event was opened by the Minister for Mineral and Forest Resources. Over 100 delegates from the mineral industry, academic institutions and government agencies attended and were presented with the latest geological models and new mineral exploration opportunities in frontier regions of NSW.

IMTA cartographic awards for GSNSW map products

The GSNSW received two International Map Traders Association (IMTA) awards at the IMTA Conference in Melbourne in June. They were the 2010 Gold Award for the Advanced Mineral Projects & Exploration Highlight map in the Best Tourist/Free publication category and the 2010 Silver Award for the annually produced interactive Explorers Directory 2010 DVD in the Best Computer Based Product category.

STAFF MOVEMENTS

Elaine Power has left her position as accounts clerk in Regional Mapping and Exploration Geoscience.

Trevor Barlin has commenced as Project Manager for COGENT II Geoscience Data Management Project.

Marianne Bonnay has transferred to the Environmental Sustainability Unit for five months.

Malcolm Osborn has been appointed on a short term secondment to the Mineral Exploration Assessment team to assist with clearing the exploration report processing backlog.

PRODUCTS AND ENQUIRIES

Internet product catalogue

The online [Geoscience Products Catalogue](#) includes over 240 hard copy maps and over 70 geoscience data packages (including geophysical data) on CD or DVD ROM.

Enquiries about purchasing products

Maps and data packages: geoscience.products@industry.nsw.gov.au: Tel: 02 4931 6503

Geophysical images and data: geophysics.products@industry.nsw.gov.au: Tel: 02 4931 6717

Counter sales: mineralpublication.orders@industry.nsw.gov.au Free call: 1300 736 122 Tel: 02 4931 6666

Online sales: <http://www.shop.nsw.gov.au/index.jsp>

General enquiries about products and services

Contact: Michael Hallett, michael.hallett@industry.nsw.gov.au: Tel: 02 4931 6724

SUBSCRIPTIONS

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Compilation: Joan Henley, Geoscientist, Knowledge Management and Michael Hallett, Executive Officer

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