

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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TAKE NOTE!

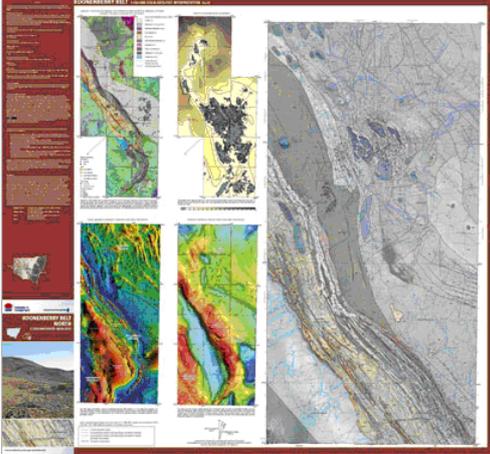
Update your maps — download the latest version of your GSNSW map on-line

PRIMARY INDUSTRIES
Minerals and Petroleum

 Trade & Investment Resources & Energy

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Koonenberry Belt 1:250 000 Solid Geology – North & South Maps – 3 & 6

Map name: Koonenberry Belt 1:250 000 Solid Geology – North & South Maps – 3 & 6	
Map Sheet Code:	
Scale: 1:250 000	
Year published: 2011	
Edition: First edition	
Download	
Scanned map - North  9.1 MB	
Scanned map - South  9.6 MB	
Georeferenced image (ECW) - North  6.6 MB	
Georeferenced image (ECW) - South  7.5 MB	
ESRI Shapefile - North  807.3 KB	
ESRI Shapefile - South  1.2 MB	
MapInfo Table - North  583.9 KB	
MapInfo Table - South  828.1 KB	
View online:	<p>Koonenberry 250K Solid - South Google Earth (requires Google Earth™ software) Google Maps (Google Maps User Guide)</p> <p>Koonenberry 250K Solid - North Google Earth (requires Google Earth™ software) Google Maps (Google Maps User Guide)</p>
Comments:	These maps have separate north and south sheets. Please specify which map sheet you require when ordering. Also specify flat or folded format. Printed on synthetic paper. Contact Geospatial for further information.
Reference:	Gilmore, P.J., Greenfield, J.E., Mills, K., Musgrave, R.E., and Reid, W.J. 2011 Koonenberry Belt 1:250 000 Solid Geology , Geological Survey of NSW, Maitland.
Price:	\$19.80 each (GST incl. specify which hard copy map when ordering)

For map and GIS data downloads of the latest version of GSNSW maps, go to the [Geoscience Product Catalogue](#) and follow the links to the maps you want. The GIS data and images of published maps (and other maps where data is available) can be downloaded to your own computer free of charge.

Download formats include JPEG, ECW, ESRI shapefiles and MapInfo tables. See Product Catalogue: <http://www.dpi.nsw.gov.au/minerals/geological/publications/ordering/geoscience-products-catalogue>

Changes to the GSNSW and Minerals and Petroleum website address

The website for the Geological Survey of NSW, Mineral Resources, Division of Resources and Energy will be moved shortly from the Department of Primary Industries website domain to its own site.

Some of the links in this newsletter may be affected due to the impending changes. When in doubt please use <http://www.dpi.nsw.gov.au/minerals/geological> to locate Geological Survey data and information during this site migration

UPCOMING EVENTS

Sydney Basin Symposium, 10–11 May, 2012, Hunter Valley Gardens, Pokolbin

Information on the general program, field excursion and registration for the [Geology of the Sydney Basin Symposium 2012](#) is available on-line.

34th International Geological Congress, 5–10 August, 2012, Brisbane

The [International Geological Congress](#) (IGC) will showcase the Oceania region's geoscience strengths, innovations and natural wonders under the theme 'Unearthing our Past and Future'. Registration is still open.

Exploration in the House, Parliament House Theatre, Sydney, June 2012

The GSNSW seminar will be held in mid June 2012. Watch the [GSNSW website](#) for confirmation of dates and program.

NEW PRODUCTS AND SERVICES

Interpretation of geochemical data for Tritton area

Report number **GS2012/0264** by Gary Burton interprets the whole rock geochemical data for samples of mafic schists from the Tritton area, central New South Wales. It is available in [DIGS](#).

Contact: Gary Burton, Senior Geologist, gary.burton@industry.nsw.gov.au, 02 6360 5330

Surface and drillhole geochemistry database to aid mineral exploration

GSNSW is [compiling geochemistry and drillhole data, sourced from company exploration and mining reports to the department](#), into a single relational database that will be accessible from the department's website. Industry will benefit from having direct access to pre-competitive, validated exploration data. Only non-confidential data will be made available to the public through the new database.

This compilation depends on mineral exploration companies submitting their data in the correct [template format](#) (txt or csv formats) so that they can be uploaded into the new database. Data such as stream sediment, soil and rockchip geochemistry as well as drilling data undergo a rigorous quality assessment process at the point of submission to ensure they meet the requirements stipulated in the [exploration reporting guidelines](#). These centralised, standardised and easily accessed data, when released, should result in considerable savings in time and money for exploration companies researching the Department's data stores.

The first phase of the program is focussing on data capture from reports held in the [DIGS report database](#) from 2000 onwards. The second phase will extract pre-2000 data that is held only in raster format in DIGS. The new assay database is being developed under the [COGENT II](#) project.

Contact: Trisha Moriarty, Team Leader, trisha.moriarty@industry.nsw.gov.au, 02 4931 6598

Grafton–Tenterfield airborne geophysical survey

GSNSW has acquired 100 000 line kilometres of airborne geophysical data in the far northeast of the state covering the New England Orogen and the Clarence–Moreton Basin.

Preliminary gridded and imagery data from this survey was released at the [ASEG Conference 2012](#). It is available for \$110 incl GST. Final data (including located data) will be released in mid 2012.

Contact: David Robson, Chief Geophysicist, david.robson@industry.nsw.gov.au, 02 4931 6717

2011 DIGS Open File Report List

The 2011 [Open File Report List](#) is available on-line. It contains 293 mineral, 6 coal and 48 petroleum reports.

Contact: Wenlong Qian, Senior Geoscientist, digs.info@industry.nsw.gov.au

2011 DIGS coal and petroleum open file reports packages update

Geoscience Information has facilitated access to statewide open file coal and 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 2010 packages have been updated with 2011 information. The coal package is 16.7 Gb and the petroleum package is 56.7 Gb.

Contact: Wenlong Qian, Senior Geoscientist, digs.info@industry.nsw.gov.au

PROJECT HIGHLIGHTS

Captains Flat–Michelago Geological Mapping Project update

The [Captains Flat–Michelago Geological Mapping Project](#) aims to complete the 2nd edition mapping of the VHMS-prospective middle Silurian to Early Devonian rift basins of the southeastern Lachlan Orogen following the acquisition of detailed airborne geophysics over the southeastern part of NSW.

Fieldwork and sample collection has commenced. Four felsic igneous samples were zircon-dated on the SHRIMP II machine at Geoscience Australia, and Late Ordovician graptolites were identified in rocks previously mapped as Silurian.

Contact: Joel Fitzherbert, Project Leader, regional.mapping@industry.nsw.gov.au, 02 4931 6734

Mount Oxley and Coolabah Geological Mapping Project update

See [update details](#) of the project. [This 3 year mapping project](#) commenced in April 2011 and initially focussed on the stratigraphy and structures of the Coolabah 1:100 000 map sheet area, and their relationships to copper mineralisation. Mapping will now be extended to the Mount Oxley 1:100 000 map sheet area east of Bourke. Other work has included core analysis at the W B Clarke Geoscience Centre, Londonderry, whole rock geochemistry, and geochronology in conjunction with Geoscience Australia.

Contact: Phil Gilmore, Project Leader, regional.mapping@industry.nsw.gov.au, 02 4931 6533

RECENT EVENTS

GSNSW at the 22nd ASEG Conference & Exhibition, 26–29 February 2012, Brisbane

GSNSW geophysicists presented talks and posters, attended pre-conference workshops and participated in professional meetings. David Robson coordinated and chaired the ASEG Technical Standards Committee Meeting and contributed to the Government Gravity Meeting on issues of community awareness and data format standards. The conference provided an opportunity for a brief training workshop to create geological models based on geophysical data using SKUA and GOCAD software.

Talks at ASEG Conference:

David Robson: ***‘Increased mineral prospectivity in the southeast of New South Wales’*** – analysed the solutions of automated depth to magnetic source programs (Euler deconvolution) for the Michelago area.

Rosemary Hegarty: ***‘Interpretation of aeromagnetic and gravity data from western New South Wales – identifying basin and basement geology’*** – highlighted basement intrusions in the Thomson Orogen, subtle magnetic features in the Darling Basin, and basement volcanic rocks under thin cover in the Manara region.

Posters at ASEG Conference:

Bob Musgrave and Emma Johnson (PhD student from University of Newcastle) – ***‘Potential-field interpretation of the Kars Belt, western NSW’*** – presented image analysis and constrained modelling of magnetic and gravity data which showed great complexity for the structure of the Kars Belt and inferred a major detachment fault.

Astrid Carlton – **'Potential field modelling of the Tingha Monzogranite and tin-mineralised Gilgai Granite, Inverell, NSW'** – presented the results of modelling for eleven TMI cross-sections which show the morphology, zonation and relationships of these plutons at depth.

Contact: David Robson, Chief Geophysicist, david.robson@industry.nsw.gov.au, 02 4931 6717

PRODUCTS AND ENQUIRIES

Internet product catalogue

The online [Geoscience Products Catalogue](#) lists 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

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/>

General enquiries about products and services

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

SUBSCRIPTIONS

ontheoutcrop is a newsletter from the Geological Survey of New South Wales.

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