OFFSHORE

REPORTS, RECORDS, JOURNAL ARTICLES, ABSTRACTS AND AUSGEO NEWS ITEMS


Heap, A.D., Nichol, S.L. and Hughes, M.D., 2009. High spatial resolution geomorphic map of an Australian seamount and

Helby, R., 2009. Esso Batavia-1 well (2057.5–2854.7m)—Palynology Review. Consultant report prepared for Geoscience Australia.


Morse, M.P. and Nayak, G.N., in prep. Results of an integrated geophysical study of the deep water Otway and Sorell basins. Geoscience Australia Record.


SURVEY DATASETS


ONSHORE
REPORTS, RECORDS, JOURNAL ARTICLES, ABSTRACTS AND AUSEGEO NEWS ITEMS


Chopping, R., Williams, N.C., Meixner, A.J. and Roy, I.G., 2010. *3D potential-field inversions and alteration mapping in*


Jaireth, S., Meixner, T., Milligan, P., Lambert, I. and Miezitis, Y., 2007. Unconformity-related uranium systems—regional-


Neumann, N.L., Hore, S. and Fraser, G., 2010. New Geochronology from the Mount Painter Province, SA—linking the


Skirrow, R.G. (editor), 2011. Uranium mineralisation event in Australia: geochronology of the Nolans Bore, Oasis, Kintyre,
Mt Gee-Armchair and Maureen uranium deposits. Geoscience Australia Record 2011/12, 89pp.


Creek AEM Survey area, Northern Territory, 2008. Geoscience Australia data package.


ACCESS AND HERITAGE

Adnyamanthanha Peoples
Australian Archaeological Survey Consultants
Australian Cultural Heritage Management Pty Ltd
Barrgarla Claimants
Beiko Transport, South Australia
Carpentaria Land Council Aboriginal Corporation
Carrathool Shire Council
Central Queensland Land Council Aboriginal Corporation
Cultural Heritage Management Australia
CJ Martin Pty Ltd
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Iga Warta
Kokatha Mula Nation Land Council
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Northern Land Council
Numery Station/TRT Pastoral Group PA
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Nukunu Peoples Council Incorporated
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Weir Pty Ltd
Western Desert Lands Aboriginal Corporation
Yadlamalka Proprietors

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Daishsat Pty Ltd
Dynamic Satellite Surveys Pty Ltd
Empress Marine Pty Limited
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Environmental Isotopes Pty Ltd
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Fugro Airborne Surveys
Fugro Robertson Inc (USA)
Fugro Seismic Imaging Pty Ltd
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Geotechnical Services Pty Ltd
GRAVIONIC german geo services GbR (Germany)
Image Analysis and Mapping Pty Ltd
Intrepid Geophysics Ltd (Canada)
MG Kailis Pty Ltd
Nautilus Marine Service GmbH (Germany)
Newman Energy Research Ltd
National Institute of Water and Atmospheric Research (New Zealand)
RF Forschungsschifffahrt GmbH (Germany)
SGS Australia Pty Ltd
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Geotech Airborne Pty Ltd
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Resubi Exploration Services
Terrex Pty Ltd
Thompson Aviation Pty Ltd
Velseis Processing Pty Ltd
Veritas DGC Australia Pty Ltd

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ANSIR—National facility for Earth Imaging
AuScope Ltd
Australian National University
Australian Institute of Marine Sciences
Australian Museum
Biostrata Pty Ltd
Christian-Albrechts University of Kiel (Germany)
Comenius University (Slovakia)
Deep crustal seismic data, acquired as part of the Onshore Energy Security Program, were released to the public in a series of workshops located in centres near the area where the seismic data were collected. A total of five workshops were held.

2006 Mount Isa Deep Crustal Seismic survey
The seismic data acquired in 2006 by Geoscience Australia, Geological Survey of Queensland, Predictive Mineral Discovery Cooperative Research Centre and Zinifex were released in a full day workshop in Mount Isa on 24 June 2008. The workshop provided interpretations of the seismic traverses and re-interpretation of seismic data collected previously as well as 3D models of the Mount Isa region.

2007 Isa-Georgetown-Charters Towers Seismic and Magnetotelluric survey
The seismic data acquired by Geoscience Australia, Geological Survey of Queensland and AuScope were released in a full day workshop in Townsville on 5 June 2009. The workshop provided interpretations of the seismic traverses and presented a 3D model of north Queensland and a geodynamic model for the region's evolution. There was a discussion also on the implications of the results for energy and mineral systems.

2008–2009 South Australian Seismic and Magnetotelluric survey
These surveys were acquired jointly by Geoscience Australia and Primary Industries and Resources SA and the results were released at a public workshop in Adelaide on 6 May 2010. The workshop discussed the data acquisition, processing and interpretation, as well as the geology in the vicinity of the seismic lines and initial results of 3D geophysical modelling and alteration mapping of the study area as well as geodynamic implications of a transect from the western Gawler Craton to the Darling Basin. The workshop also discussed the implications of the results for regional energy systems.
2009 Gawler Officer-Mugaue Amadeus Seismic and Magnetotelluric survey

On 25 November 2010, a public workshop was held in Adelaide to present the results from a single traverse carried out along the Port Augusta to Alice Springs rail corridor by Geoscience Australia, Primary Industries and Resources SA, AusScope and the Northern Territory Geological Survey. The workshop discussed the acquisition and processing of the seismic and magnetotelluric data, the geology in the vicinity of the seismic line and interpretations of the sedimentary basins and basement components of the seismic line as well as a geodynamic model for the evolution central Australia and the implications of the results for regional energy and mineral systems.

2009 Georgina Arunta Seismic and Magnetotelluric survey

The results of seismic data acquired by Geoscience Australia and the Northern Territory Geological Survey were released in a half-day workshop in Alice Springs on 23 March 2011. The workshop provided an overview of the geological history of the Arunta region and surrounding basins, interpretations of the seismic traverse, initial results of 3D and forward geophysical modelling of the study area and discussed the implications of the results for energy and mineral systems.

ONSHORE AIRBORNE ELECTROMAGNETIC WORKSHOPS

Airborne electromagnetic data, acquired as part of the Onshore Energy Security Program, were released to the public via Geoscience Australia’s web site and at three public workshops.

2010 Paterson Airborne Electromagnetic survey

The survey data were acquired between 10 September 2007 and 28 October 2009 as a joint public-private venture between Geoscience Australia and five minerals industry subscribers. The contractor-delivered data were made available publicly on 4 March 2009 for the Paterson North survey and 17 April 2009 for the Paterson South survey, while value-added Geoscience Australia layered earth inversion data were made publicly available on 30 April 2010. The release was followed by a one day workshop held at the Geological Survey of Western Australia in Perth on 4 May 2010 which covered the collection, processing, quality assurance and quality control, value-added data inversion and interpretation as well as implications for the minerals industry for locating uranium and other minerals and groundwater resources.

2011 Pine Creek Airborne Electromagnetic survey

The survey data was acquired as a joint public-private venture between Geoscience Australia and nine minerals industry or government subscribers between 7 October 2008 and 24 May 2009 using the aircraft-mounted TEMPEST™ system and the helicopter-mounted VTEM™ system. Because of the complexity of the survey data were made available publicly over a range of dates from 30 September 2009 to December 2010. The data release was followed by two workshops, the first in Alice Springs on 24 March 2011 and the second in Perth on 7 June 2011, both of which included presentations on the collection, processing, quality assurance and quality control, value-added data inversion and interpretation and implications for the minerals industry for locating uranium and other minerals.

2011 Frome Airborne Electromagnetic survey

The survey data was acquired in a joint public-private venture between Geoscience Australia, Primary Industries and Resources SA and a minerals industry company between 22 May 2010 and 2 November 2010. Contractor-delivered data from the survey were released to the public on 31 March 2011 and were demonstrated to industry and government on 4 May 2011. A series of public workshops are scheduled to be held during 2011/12 to describe the data, interpretation products and implications for locating new uranium and other mineral resources.