

CATALOGUE OF GEOSCIENCE PRODUCTS 1980–2009



Updated to April 2009



Government of **Western Australia**
Department of **Mines and Petroleum**

Geological Survey of
Western Australia





GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

CATALOGUE
of
GEOSCIENCE PRODUCTS
1980–2009
— updated to April 2009

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Download electronic products free via the Web

www.dmp.wa.gov.au/GSWApublications

- PDFs of maps and documents
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Download statewide spatial datasets and various spatial application software, including GeoVIEWER.WA and the Mineral Exploration Reporting Templates Software. Datasets are provided as ESRI Shapefiles, MapInfo TAB files, or ESRI SDE Export formats. Datasets available include airborne geophysics, geochronology, geochemistry, geology, graticular blocks, indices, mineral and petroleum information, and special category lands.

Download final geophysical survey datasets from the Geoscience Australia Data Delivery System

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Atlases of geochemical data
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Other catalogues and indexes

1. *Catalogue of Geological Publications pre-1980* has details of books released by GSWA prior to 1980. All are available in PDF form from our website.
2. *GSWA Bulletin 60* provides an index of geological and mining reports produced between 1870 and 1910.
3. An *Index* similar to that in Bulletin 60, but covering the period 1910–1970, has been published by Hesperian Press (Rear, 65 Oats Street, Carlisle, W.A. 6101, Ph: +61 8 9362 5955; Fax: +61 8 9361 2333). A copy is also available in the Departmental Library on 1st Floor, Mineral House, East Perth.

Over the years, GSWA publications have been distributed widely to major libraries in Australia and overseas. In particular, most of our collection is available in the libraries of the Geological Surveys of other States and at Geoscience Australia (Federal) in Canberra.

Free publications on the web

GSWA publishes virtually all its reports, maps and digital datasets via the Web, allowing users to download publications free of charge. Go to www.dmp.wa.gov.au/GSWA for information on:

- Geoscience reports and maps
- Regional geophysical surveys
- Data and Software Centre
- *Fieldnotes* quarterly newsletter (showcases GSWA events and publications, download via web or subscribe to hardcopy newsletter)
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For Department of Mines and Petroleum databases including MAGIX, Geochemistry, WAMEX, MINEDEX, WAPIMS, and TENGRAPH go to: www.dmp.wa.gov.au > *Online Systems*

For the more-advanced GIS user, try our new Image Web Service (IWS) and Web Map Service (WMS), which allows you to stream GIS data from our website to your desktop. Go to <http://mapserver.dmp.wa.gov.au/datacentre>. For more information see *Fieldnotes no. 49*.

All GSWA publications can also be viewed in the Departmental Library, on 1st Floor, Mineral House, East Perth. The Library is open to the public from 8.30 a.m. to 4.30 p.m. on weekdays. The Library has the most comprehensive collection of geological published and unpublished information covering the whole of Western Australia.



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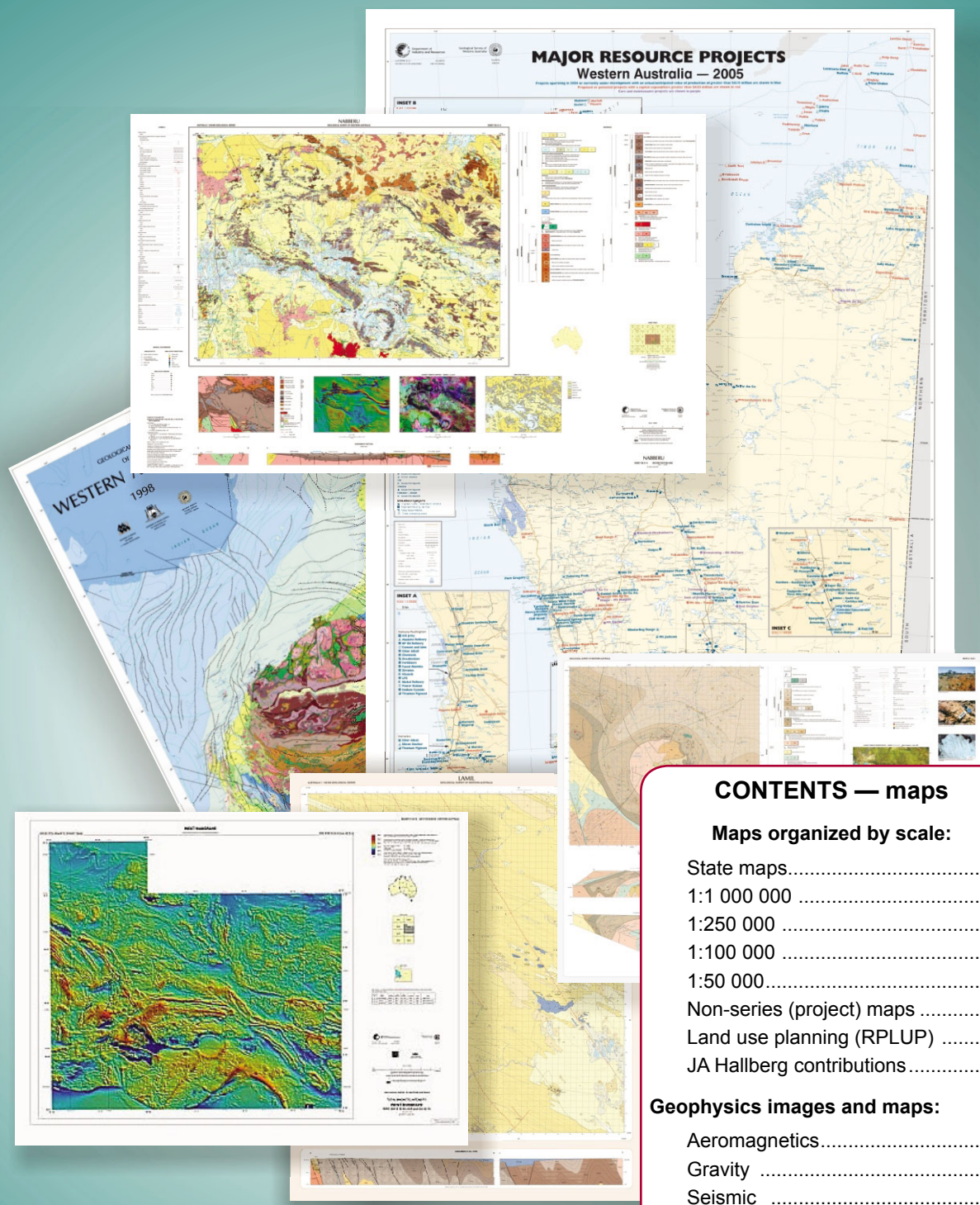
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MAPS and IMAGES on the GEOLOGY of WESTERN AUSTRALIA



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Atlas of maps in book (not a single map);
Atlas \$11.00 incl. GST **new edition 2009**
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also free on web as PDF file

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(purchase via Digital Data Administrator, see
page 3 for details)



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Map and notes \$12.10 incl. GST **centennial edition 1988**
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MAJOR RESOURCE PROJECTS, WESTERN AUSTRALIA — 2009 (1:3 000 000)

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REGIONS WITH THE POTENTIAL FOR ASBESTIFORM MINERAL OCCURRENCE, WESTERN AUSTRALIA

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WESTERN AUSTRALIA — ESTABLISHED AND PROPOSED ABORIGINAL LAND, CONSERVATION ESTATE, MINERAL AND PETROLEUM TITLES, AND GEOLOGY WESTERN AUSTRALIA 2008

(a Resource potential for land use planning map, see map index)

Scale 1:2 500 000; compiled by GSWA (now superseded) **2008**

ESTABLISHED AND PROPOSED ABORIGINAL LAND, CONSERVATION ESTATE, MINERAL AND PETROLEUM TITLES, AND GEOLOGY, WESTERN AUSTRALIA — 2009

(a Resource potential for land use planning map, see map index)

Scale 1:2 500 000; compiled by I Roberts

Map \$11.00 incl. GST

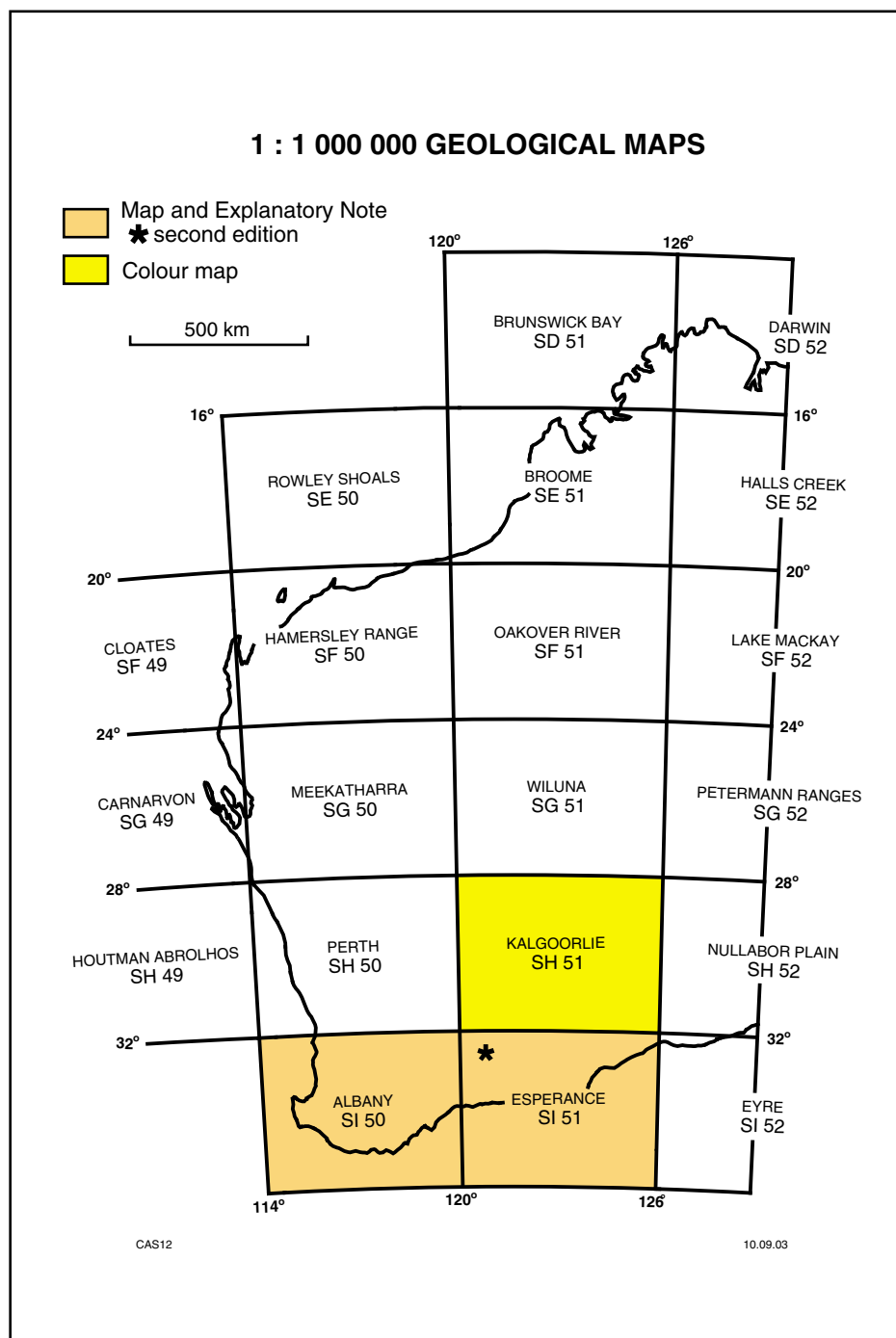
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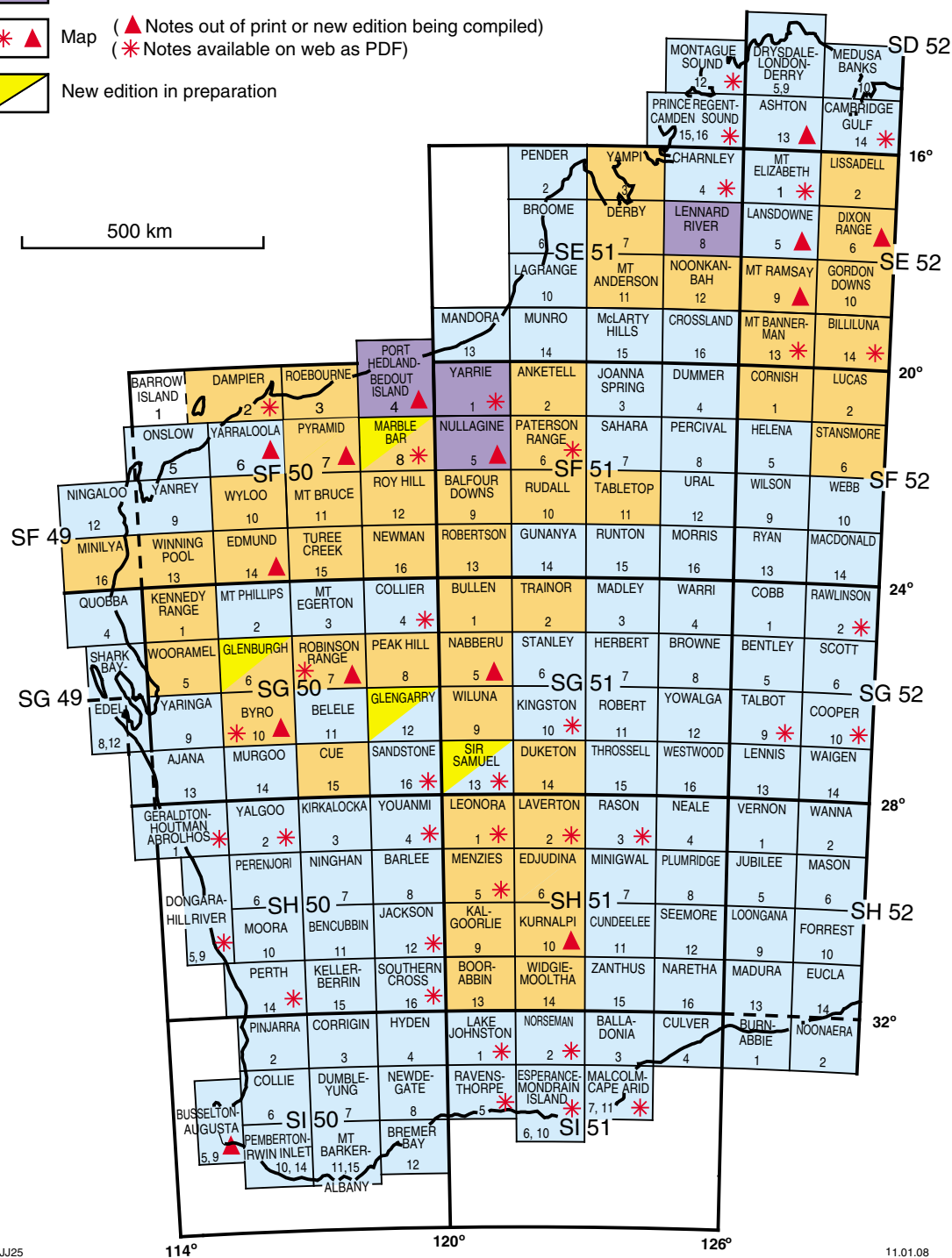
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BROWNE SG51-8	M/N	1976	HYDEN SI50-4	M/N	1984
BULLEN SG51-1 (second edition)	M/N	1995	IRWIN INLET (<i>see</i> PEMBERTON)		
BURNABBIE (<i>see</i> MADURA)			JACKSON SH50-12	(*) C	1983
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CULVER SI51-4	M/N	1969	LISSADELL SE52-2 (second edition)	M/N	1999
CUNDEELEE SH51-11	M/N	1977	LONDONDERRY (<i>see</i> DRYSDALE)		
DAMPIER AND BARROW ISLAND SF50-2, -1			LOONGANA SH52-9	M/N	1969
(second edition)	(*) M/N	2003	LUCAS SF52-2 (second edition)	M/N	1977
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			new edition		in prep.
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			McLARTY HILLS SE51-15	M/N	1982
			MEDUSA BANKS SD52-10	M/N	1971
			MENZIES SH51-5 (second edition)	(*) M/N	2003
			MINIGWAL SH51-7	M/N	1977

(continued on page 11)

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 Second edition map and Explanatory Notes
 Third edition map and Explanatory Notes
 Map (▲ Notes out of print or new edition being compiled)
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1:250 000 geological mapping

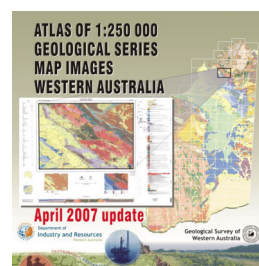
MINILYA (see WINNING POOL)					
MONTAGUE SOUND SD51-12	(*) C	1971	SOUTHERN CROSS SH50-16	(*) C	1981
MOORA SH50-10	M/N	1982	STANLEY SG51-6	M/N	1981
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PERCIVAL SF51-8	M/N	1978	ZANTHUS SH51-15	M/N	1970
PERENJORI SH50-6	M/N	1985			
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RAWLINSON SG52-2	(*) C	1968			
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ROBINSON RANGE SG50-7 (second edition)	(▲) C	2002			
ROEBOURNE SF50-3 (second edition)	M/N	2001			
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RUDALL SF51-10 (second edition)	M/N	2000			
RUNTON SF51-15	M/N	1979			
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SAHARA SF51-7	M/N	1978			
SANDSTONE SG50-16 (laser reprint)	(*) C	1984			
SCOTT SG52-6	M/N	1971			
SEEMORE SH51-12	M/N	1974			
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- georeferenced images to allow you to plot your own data
- MGA grid added to older maps with imperial grids

Note: Not certified for Windows VISTA, but can be made compatible, see instructions at: www.dmp.wa.gov.au/datacentre >Manuals



1:250 000 regolith and other geochemistry

1:250 000 regolith geochemistry

The 1:250 000 Regolith Geochemistry Series commenced in 1994. Sheets of particular interest for regolith geochemistry and deemed to have high exploration potential have been mapped and sampled. The data package for each sheet is a combination of: Explanatory Notes (including a regolith materials map; maps showing outlines of company surface-geochemistry projects; and sample locations); plus the various element-distribution maps or plates at 1:250 000 scale. The packages vary. In addition, some maps in this Series form part of the Regolith Geochemistry GIS (Geographical Information System). Various themes are available, see listing under **Digital packages**. GIS datasets may be sold as ESRI Shapefiles, ESRI SDE Export format, or MapInfo TAB file format. For further information contact the **GSWA Digital Data Administrator** (see page 3 for contact details). An index map for regolith geochemistry mapping is on page 13.

GSWA is also developing the WACHEM (geochemistry) database, which will store not only all GSWA-generated geochemical data, but also geochemistry now supplied to GSWA in a digital format by exploration companies under the Mining Act Regulations, as well as analyses of Western Australian samples published in university theses and scientific papers. See *Fieldnotes* no. 27 for an outline of WACHEM. Geochemical data is also being made available through our website. Check GSWA Data and Software Centre (www.dmp.wa.gov.au/datacentre) to download available geochemistry datasets. See also **Digital packages** section of this Catalogue.

Prices for each 1:250 000 sheet are as follows:

Total package Varies*
Explanatory Notes (incl. maps and disk) \$110 incl. GST
Individual element-distribution maps each \$11 incl. GST

* Package price = total number of element-distribution maps (at \$11.00 each) plus Explanatory Notes.

Geochemical mapping of the AJANA 1:250 000 sheet

by AJ Sanders and SA McGuinness
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **2000**
(47 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

Geochemical mapping of the BYRO 1:250 000 sheet

by PA Morris and AL Verren
Book, 3 plates and CD containing digital
sample data \$110.00 incl. GST **2001**
(47 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

Geochemical mapping of the COLLIER 1:250 000 sheet

by J Coker and JA Faulkner
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1999**
(47 element-distribution maps make up total package)

Geochemical mapping of the EDMUND 1:250 000 sheet

by KJ Pye, J Coker, JA Faulkner, and AJ Sanders
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1998**
(52 element-distribution maps make up total package)

Geochemical mapping of the Fraser Range region

by PA Morris, AJ Sanders, SA McGuinness,
J Coker, and JD King
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **2000**
(44 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

Geochemical mapping of the GLENBURGH 1:250 000 sheet

by AJ Sanders, JA Faulkner, J Coker, and PA Morris
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1998**
(47 element-distribution maps make up total package)

Geochemical mapping of the GLENGARRY 1:250 000 sheet

by RA Crawford, JA Faulkner, AJ Sanders,
JD Lewis, and JR Gozzard
Book and 5 plates and a disk containing
digital sample data \$110.00 incl. GST **1996**
(41 element-distribution maps make up total package)

Geochemical mapping of the KINGSTON 1:250 000 sheet

by KJ Pye, PA Morris, and SA McGuinness
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **2000**
(47 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

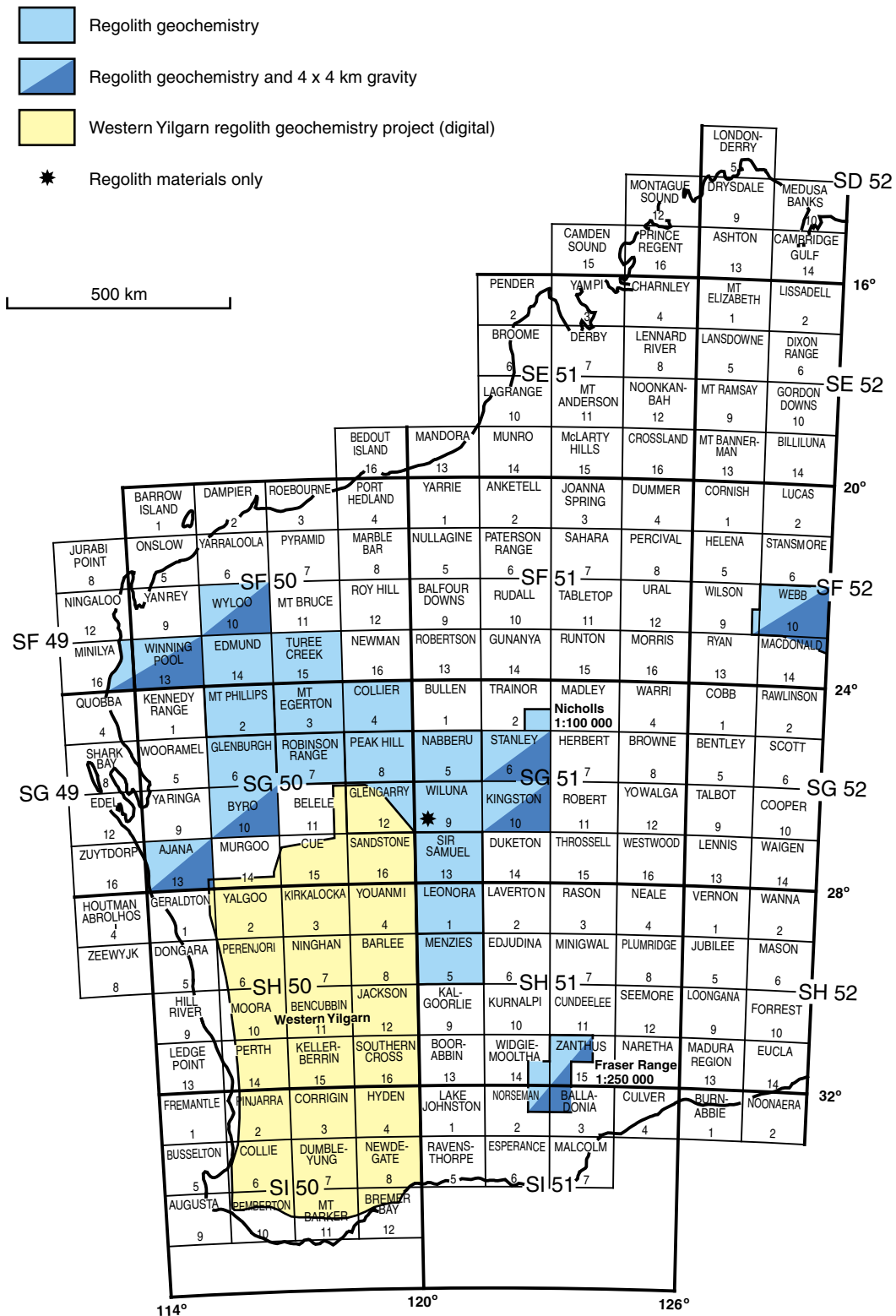
Geochemical mapping of the LEONORA 1:250 000 sheet

by JJ Bradley, AJ Sanders, ZS Varga, and JM Storey
Book and 7 plates and a disk containing
digital sample data \$110.00 incl. GST **1995**
(37 element-distribution maps make up total package)

Geochemical mapping of the MENZIES 1:250 000 sheet

by CJ Kojan and JA Faulkner
Book and 5 plates and a disk containing
digital sample data \$110.00 incl. GST **1994**
(33 element-distribution maps make up total package)

REGOLITH GEOCHEMISTRY MAPS



JJ30a

15.04.09

1:250 000 regolith and other geochemistry

1:250 000 regolith geochemistry

Geochemical mapping of the MOUNT EGERTON

1:250 000 sheet

by PA Morris, J Coker, and JA Faulkner
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1998**
(46 element-distribution maps make up total package)

Geochemical mapping of the MOUNT PHILLIPS

1:250 000 sheet

by AJ Sanders, PA Morris, A Subramanya, and
JA Faulkner
Book and 4 plates and a disk containing
digital sample data \$110.00 incl. GST **1997**
(54 element-distribution maps make up total package)

Geochemical mapping of the NABBERU 1:250 000 sheet

by PA Morris and JA Faulkner
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1997**
(54 element-distribution maps make up total package)

Geochemical mapping of the PEAK HILL 1:250 000 sheet

by A Subramanya, AJ Sanders, and JA Faulkner
Book and 8 plates and a disk containing
digital sample data **1995**
(plus 42 element-distribution maps = total package)
All free on web as PDF files

Geochemical mapping of the ROBINSON RANGE

1:250 000 sheet

by JJ Bradley and JA Faulkner
Book and 5 plates and a disk containing
digital sample data \$110.00 incl. GST **1997**
(41 element-distribution maps make up total package)

Geochemical mapping of Sir SAMUEL 1:250 000 sheet

by CJ Kojan and JA Faulkner
Book and 5 plates and a disk containing
digital sample data \$110.00 incl. GST **1996**
(48 element-distribution maps make up total package)

Geochemical mapping of the STANLEY 1:250 000 sheet

by PA Morris, SA McGuinness, AJ Sanders, and J
Coker
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **2000**
(48 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

Geochemical mapping of the TUREE CREEK 1:250 000 sheet

by J Coker, JA Faulkner, and AJ Sanders
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **1998**
(46 element-distribution maps make up total package)

Wiluna regolith materials map (1:250 000)

by PA Morris
One plate \$11.00 incl. GST **2002**

Geochemical mapping of the WINNING POOL – MINILYA 1:250 000 sheets

by AJ Sanders and SA McGuinness
Book and 3 plates and a disk containing
digital sample data \$110.00 incl. GST **2001**
(47 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

Geochemical mapping of the WYLOO 1:250 000 sheet

by KJ Pye, AJ Sanders, and JA Faulkner
Book and 4 plates and a disk containing
digital sample data \$110.00 incl. GST **1999**
(46 element-distribution maps make up total package)
Gravity survey data (4 × 4 km) accompany this sheet

1:100 000 regolith geochemistry

Geochemical mapping of the NICHOLLS 1:100 000 sheet (SG51-02-3448)

by AJ Sanders
Book, 2 plates and CD **2002**
Package \$55.00 incl. GST
Two plates available separately \$11.00 incl. GST each

Other geochemistry

Data for all of the following geochemistry projects are available free online from GSWA. Access the data from GSWA Data and Software Centre at:
<http://www.dmp.wa.gov.au/datacentre>.

Warakurna Large Igneous Province (LIP) analytical data

Major element chemistry, up to 32 trace elements, REE (La-Lu) for most samples, PGE data for several samples, and a compilation of analytical conditions. Also 21 analyses of an in-house reference material.
see also Digital packages and Report 99

Pickands-Mather Kimberley geochemistry

Stream sediment geochemical data for 21 282 samples from a regional sampling program in the Kimberley region of Western Australia in digital form. Samples were collected and analysed in 1964.

BHP Billiton geochemistry

Stream sediment geochemistry for 19 646 samples from part of the Capricorn Orogen have been supplied to GSWA by BHP Billiton.

JA Hallberg data

See **JA Hallberg contributions** and/or **Digital packages** for more details

Yamarna geochemistry

Soil chemistry for 15 199 samples from the Yamarna area of the northeast Yilgarn Craton have been acquired from WMC Exploration.

1:250 000 hydrogeological mapping (go to Department of Water)

GSWA's 1:250 000 Hydrogeological Series was commenced in 1989 to map areas where an understanding of the groundwater regime is particularly important. Hydrogeological features such as aquifer geometry, watertable contours, and bore, well, and spring locations are shown on the maps. Explanatory Notes also accompany the maps. The index map overleaf shows the 1:250 000 Hydrogeological Series maps that GSWA published, as well as other hydrogeological maps and data produced by us.








Since 1996 all hydrogeological maps and information have been sourced from the Department of Water (formerly Water and Rivers Commission), Level 4, The Atrium, 168 St Georges Terrace, Perth 6000 Western Australia (visit their homepage at www.water.wa.gov.au or telephone: +61 8 6364 7600 or fax: +61 8 6364 7601).

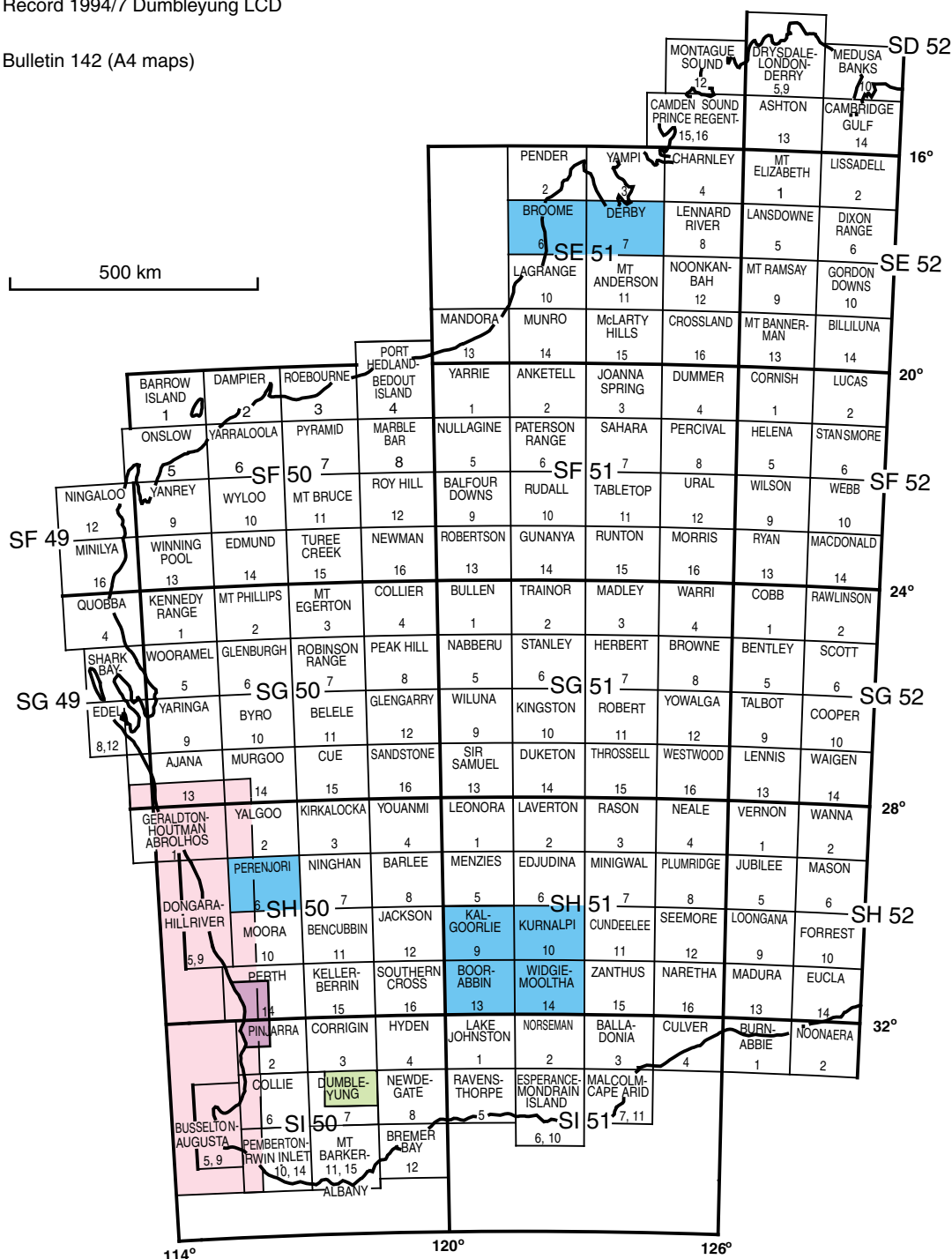
The following GSWA 1:250 000 Hydrogeological Series publications are now only available (in PDF format) for download from the web. Check our website at: www.dmp.wa.gov.au/GSWApublications:

BOORABBIN SH51-13*	1995
BROOME SE51-6*	1991
DERBY SE51-7*	1992
KALGOORLIE SH51-9*	1995
KURNALPI SH51-10*	1996
PERENJORI SH50-6*	1988
WIDGIEMOOLTHA SH51-14)*	1996

* = Map and Notes in PDF, free on web

HYDROGEOLOGICAL MAPS

-  Map and Explanatory Note published by GSWA (now only online)
 Record 1988/4 Groundwater contamination (Perth)
 Record 1991/7 Groundwater contamination (Perth Basin)
 Record 1993/6 Groundwater vulnerability
 Record 1996/2 Non-point source groundwater contamination
 Record 1994/7 Dumbleyung LCD
 Bulletin 142 (A4 maps)



1:100 000 geological mapping

GSWA commenced the 1:100 000 Geological Series mapping in 1988. The aim of the series is to provide more detail than is available at 1:250 000 scale for areas that are active for mineral exploration (see index maps on p. 20–21). The Explanatory Notes Series to accompany these maps commenced in 1994 — in hardcopy format. From 2004 onward, the Explanatory Notes are being published in PDF format on the web. Go to www.dmp.wa.gov.au/GSWApublications.

Also in 2004 there was a further refinement to the Series, with the release on DVD of digital maps and data packages in GeoVIEWER.WA GIS format covering the 1:100 000-mapping project areas — named the **1:100 000 Geological Information Series** (see **Digital packages** for products available in this Series).

Map and notes availability is shown as follows:

Geological Information Series (on DVD/CD) **\$55.00 incl. GST**

(See **Data Packages** for availability)

One map and Explanatory Notes (E/N)* **\$22.00 incl. GST**

(E/N may be free on web in PDF format. Check our website!)

Colour map (edition number and version (v.) are noted)

\$11.00 incl. GST

* \$11.00 incl. GST for each additional map with Explanatory Notes

** E/N for these sheets published as a GSWA Report

ANGELO SE52-9-4361 **1994**
Explanatory Notes **1998**

ARROWSMITH-BEAGLE ISLANDS SH50-5-1938, **1994**
SH50-5-1838 **1994**
Explanatory Notes **1994**

ATLEY SH50-4-2741 **2003**
Explanatory Notes (with RAYS ROCKS and SANDSTONE)
(free PDF on web) **2005**

BALWINA SE52-14-4558 **in prep.**

BANJAWARN SG51-14-3242 **1997**

BARDOC SH51-9-3137 **1989**

Explanatory Notes **1994**

BARLEE SH50-8-2739 **2001**

Explanatory Notes **2002**

BATES SG52-6-10-4646 **2006**

BELL ROCK SG52-10-4645 **2007**

BLACKSTONE SG52-10-4545 **in prep.**

BLANCHE-CRONIN SF51-11-3552; SF51-15-3551 **1998**

Explanatory Notes **1999**

BLAXLAND SG51-15-3643 **in prep.**

BOW SE52-2-4564 **1997**

Explanatory Notes **1999**

BOYCE SH51-6-3238 (v. 2.0) **2002**

BRAESIDE SF51-5-3155 **1996**

Explanatory Notes **1998**

BROADHURST SF-51-10-3353 **1993**

Explanatory Notes **1994**

BRYAH SG50-8-2646 **1996**

Explanatory Notes **1998**

BULDANIA SI51-2-3333 **2008**

BUNGALBIN SH50-12-2837 **2001**

Explanatory Notes **2003**

CANDOLLE SG50-3-2348 **in prep.**

CAPRICORN SF50-14-2251 **2004**

Explanatory Notes (free PDF on web) **2005**

CARANDIBBY SG50-6-2046 **in prep.**

CARLINDIE SF50-4-2756 **2004**

Explanatory Notes (free PDF on web) **2004**

CARNEGIE SG51-10-3445 **in prep.**

CHERITONS FIND SH50-16-2834 **1991**

Explanatory Notes **1994**

COCANARUP SI50-8-2830 **1996**

Explanatory Notes (with RAVENSTHORPE) ***1997**

COLLURABBIE SG51-10-3344 **2006**

CONNAUGHTON SF51-10-3452 **1996**

Explanatory Notes **1998**

COONGAN SF50-4-2856 **2004**

COORAGOORA SF51-1-2957 **1999**

Explanatory Notes **2000**

COOYA POOYA SF50-7-2355 **2002**

Explanatory Notes (free PDF on web) **2004**

COSMO NEWBERY SG51-14-3442 **1998**

COWALINYA SI51-2-3332 **2008**

COWAN** SH51-14-3234 **1988**

Report 32 and 2 maps \$35.20 incl. GST **1990**

CUE SG50-15-2443 **in prep.**

CUNYU SG51-9-2945 **1998**

Explanatory Notes **1999**

DAMPIER SF50-2-2256 **1997**

Explanatory Notes **2001**

DARLOT SG51-13-3142 **1996**

Explanatory Notes **1998**

DAURIE CREEK SG50-6-2047 **in prep.**

DAVYHURST SH51-9-3037 **1992**

Explanatory Notes **1994**

DE GREY SF50-4-2757 (v. 2.0) **2004**

Explanatory Notes (with PARDOO) (free PDF on web) **2004**

DEPOT SPRINGS SG51-13-2942 **1998**

DIXON SE52-6-4562 **1998**

Explanatory Notes (free PDF on web) **2004**

DOCKRELL SE52-9-4360 **1994**

Explanatory Notes **1998**

DOOLGUNNA SG50-8-2746 **1996**

Explanatory Notes **1998**

DOROTHY HILLS SH51-3-3641 **in prep.**

DUKETON SG51-14-3342 **1996**

Explanatory Notes **1998**

DUNDAS SI51-2-3232 **2008**

DUNNSVILLE SH51-9-3036 **1989**

Explanatory Notes **1994**

EARAHEEDY SG51-6-3246 **2000**

Explanatory Notes **2001**

EASTERN CREEK SF51-5-3054 (v. 2.0) **2005**

Explanatory Notes (free PDF on web) **2006**

EDJUDINA SH51-6-3338 **1995**

Explanatory Notes (with YABBOO) ***1995**

EDMUND SF50-14-2150 (v. 2.0) **2004**

Explanatory Notes (free PDF on web) **2005**

ELLIOTT CREEK SF50-14-2250 **2004**

Explanatory Notes (free PDF on web) **2005**

ERAYINIA SH51-14-3435 **2006**

Explanatory Notes **2006**

ERONG SG50-6-2246 **in prep.**



1:100 000 geological mapping

ERRABIDY SG50-7-2347	2000	MARMION SH50-8-2839	2001
Explanatory Notes (with LANDOR)	*2000	Explanatory Notes (with RICHARDSON)	(free PDF on web) 2004
EUDAMULLAH SG50-2-2049 (2nd edition)	2008	MARONAH SF50-14-2051	2004
EVERETT CREEK SF50-4-2841	2002	Explanatory Notes	(free PDF on web) 2005
Explanatory Notes	2003	MARQUIS SG50-7-2447	1999
FAIRBAIRN SG51-5-2947	1999	Explanatory Notes	1999
Explanatory Notes	2000	MARYMIA SG50-8-2847	1998
FINLAYSON SG52-6-4446	in prep.	Explanatory Notes	1998
FRASER RANGE SI51-2-3433	in prep.	McINTOSH SE52-6-4462	1997
GABANINTHA SG50-12-2644	in prep.	MEEKATHARRA SG50-11-2544	in prep.
GINDALBIE SH51-10-3237	1995	MELITA SH51-5-3139	1992
GLENAYLE SG51-6-3347	2002	Explanatory Notes	1994
GLENBURGH SG50-6-2147	2000	MENZIES SH51-5-3138 and part of RIVERINA SH51-5-3038	1990
Explanatory Notes	2001	Explanatory Notes	1994
GLENGARRY SG50-12-2645	1997	MEREWETHER SG50-12-2844	2000
Explanatory Notes	1998	Explanatory Notes	2002
GOULD SG50-7-2346	2003	MERRIE SG51-5-2946	1999
GRANITE PEAK SG51-5-3146	2000	Explanatory Notes	2000
Explanatory Notes (with NABBERU)	(free PDF on web) 2004	METHWIN SG51-5-3047	1999
GUNANYA SF51-14-3451	1997	Explanatory Notes	2002
Explanatory Notes	1998	MILGUN SG50-7-2547	1997
HALLS CREEK SE52-10-4461	1996	Explanatory Notes	1999
Explanatory Notes	1996	MILLROSE SG51-9-3045	1997
HILL RIVER – GREEN HEAD SH50-9-1937, SH50-9-1837	1994	Explanatory Notes	1999
Explanatory Notes	1994	MINERIE SH51-2-3240 (2nd edition)	2008
HOLT SG52-6-4546	in prep.	MINGEN – DONGARA SH50-5-1939, 1839	1995
HOOLEY SF50-7-2554	2002	Explanatory Notes	1995
Explanatory Notes	2003	MONTAGU SG50-16-2843	2007
ISABELLA SF51-1-3156	1996	MOOLOOGUOL SG50-12-2745	1997
Explanatory Notes	1998	Explanatory Notes	1998
JACKSON SH50-12-2737	2000	MOORARIE SG50-7-2446	1999
Explanatory Notes	2002	Explanatory Notes	1999
JOHNSTON RANGE SH50-8-2738	2000	MOUNT ANDREW SI51-2-3432	in prep.
Explanatory Notes	2001	MOUNT AUGUSTUS SG50-2-2249 (2nd edition)	2008
JUTSON SG51-15-3542	in prep.	MOUNT BARTLE SG50-12-2845	1996
KALGOORLIE** SH51-9-3136	1988	Explanatory Notes	1998
Report 35 and 2 maps \$44.00 incl. GST	1993	MOUNT BELCHES SH51-14-3335	2001
KANOWNA SH51-10-3236	1995	Explanatory Notes	2001
Explanatory Notes hardcopy out of print, (free PDF on web)	1995	MOUNT EDGAR SF51-5-2955	(v.2) 2007
KEARNEY SF52-2-4557	in prep.	Explanatory Notes	(free PDF on web) 2007
KENNETH RANGE SF50-15-2350	(v.1.1) 2005	MOUNT KEITH SG51-13-3043	2009
KOONMARRA SG50-11-2445	in prep.	MOUNT MARSH SF50-12-2753	2005
KURNALPI SH51-10-3336	1993	MOUNT MASON SH51-5-2939	2003
Explanatory Notes	1994	MOUNT PHILLIPS SG50-2-2149 (2nd edition)	2008
LAKE GILES SH50-8-2838	2000	MOUNT REMARKABLE SE52-6-4463	1996
Explanatory Notes	2001	Explanatory Notes	1997
LAKE LEFROY** SH51-14-3235	1988	MOUNT WOHLER SF50-7-2455	1998
Report 32 and 2 maps \$35.20 incl. GST	1990	Explanatory Notes	1998
LAKE MASON SG50-16-2842	2004	MUCCAN SF51-1-2956	1998
LAKE VIOLET SG51-9-3044	2009	Explanatory Notes	1999
LAMIL SF51-6-3254	(v.1.1) 2004	MUDAN SG51-6-3247	2001
Explanatory Notes	(free PDF on web) 2005	MULGABBIE SH51-10-3337	1994
LANDOR SG50-6-2247	2000	Explanatory Notes	1994
Explanatory Notes (with ERRABIDY)	*2000	MULGABIDY CREEK SH51-3-3541	in prep.
LEE STEERE SG51-6-3346	(v.1.1) 2004	MULLINE SH51-5-2938	1995
LEGENDRE SF50-2-2257	in prep.	Explanatory Notes (with RIVERINA)	*1999
LEWIS SF52-2-4657	in prep.	NABBERU SG51-5-3046	1999
LIGHTFOOT SH51-7-3539	in prep.	Explanatory Notes (with GRANITE PEAK)	(free PDF on web) 2004
MADOONGA SG50-11-2444	in prep.	NEARANGING SH51-9-2937	2008
MANGAROON SF50-14-2050	2004	NEWMAN SF50-16-2851	1989
Explanatory Notes	(free PDF on web) 2005	Explanatory Notes	1994
MARBLE BAR SF50-8-2855	2008	NOREENA DOWNS SF51-9-2953	2005
		NORSEMAN SI51-2-3233	1993
		NORTH SHAW SF50-8-2755	1999
		Explanatory Notes	2000

1:100 000 geological mapping

NULLAGINE SF51-5-2954	2004	ULLAWARRA SF50-14-2151	2004
Explanatory Notes	(free PDF on web) 2005	Explanatory Notes	(free PDF on web) 2005
PADBURY SG50-7-2546	1997	VON TREUER SG51-10-3444	2006
Explanatory Notes	1998	WALLARINGA SF50-4-2656	2001
PARABURDOO SF50-15-2451	1993	Explanatory Notes	2002
Explanatory Notes	1994	WARRAWAGINE SF51-1-3056	1999
PARDOO SF50-4-2857	(v. 2.0) 2004	Explanatory Notes	2001
Explanatory Notes (with DE GREY)	(free PDF on web) 2004	WARRIE SF50-12-2853	2005
PATERSON SF51-6-3354	2000	WATTS SE52-14-4658	2007
Explanatory Notes	2000	WEDGE ISLAND SH50-9-1936	1995
PEARANA SF51-5-3154	1996	Explanatory Notes	1995
Explanatory Notes	1998	WHITE SPRINGS SF50-8-2654	2002
PEEDAWARRA SG50-3-2349	2007	Explanatory Notes	2003
PINDERI HILLS SF50-6-2255	2000	WILUNA SG51-9-2944	(amended 1st ed.) 1998
Explanatory Notes	2003	Explanatory Notes	2000
PINJIN SH51-10-3437	1994	WINDIDDA SG51-10-3345	in prep.
Explanatory Notes	1994	WODGINA SF50-8-2655	2001
PINK HILLS SG50-2-2248	in prep.	Explanatory Notes	(free PDF on web) 2005
POISONBUSH SF51-10-3252	1998	WONGAWOL SG51-10-3245	2002
Explanatory Notes	2000	Explanatory Notes	(free PDF on web) 2004
PRESTON SF50-2-2156	2001	YABBOO SH51-6-3438	1994
Explanatory Notes	in prep.	Explanatory Notes (with EDJUDINA)	*1995
RAVENSTHORPE SI51-5-2930	1996	YAGANOO SG50-12-2744	in prep.
Explanatory Notes (with COCANARUP)	*1997	YAMARNA SG51-15-3642	in prep.
RAYS ROCKS SH50-4-2740	2004	YARDILLA SH51-14-3434	2005
Explanatory Notes (with ATLEY, SANDSTONE)	(free PDF on web) 2005	Explanatory Notes	(free PDF on web) 2005
RHODES SG51-5-3147	2000	YARDINA SH51-14-3334	2006
RICHARDSON SH50-4-2840	2002	Explanatory Notes	(free PDF on web) 2008
Explanatory Notes (with MARMION)	(free PDF on web) 2004	MOUNT MARSH SF50-12-2753	2005
RIVERINA SH51-5-3038	1996	YEELIRRIE SG51-13-2943	2009
Explanatory Notes (with MULLINE)	*1994	YILGALONG SF51-5-3055	2005
ROCKLEA SF50-11-2352	1995	Explanatory Notes	(free PDF on web) 2007
Explanatory Notes	1996	YILMIA** SH51-13-3135	1988
ROE SH51-10-3436	1994	Report 35 and 2 maps \$44.00 incl. GST	1993
Explanatory Notes	1994	YINNETHARRA SG50-2-2148	2008
ROEBOURNE SF50-3-2356	2000	YOUNO DOWNS SG50-16-2743	2006
Explanatory Notes	2002	YULE SF50-3-2556	1998
RUDALL SF51-10-3352	1996	Explanatory Notes	1999
Explanatory Notes	1998		
SANDSTONE SG50-16-2742	2005		
Explanatory Notes (with ATLEY and RAY ROCKS)	2005		
SATIRIST SF50-7-2555	2000		
Explanatory Notes	2000		
SHERLOCK SF50-3-2456	1997		
Explanatory Notes	1998		
SIR SAMUEL SG51-13-3042	1996		
Explanatory Notes	1998		
SLATEY CREEK SE52-14-4659	in prep.		
SPLIT ROCK SF50-8-2854	(v. 2.0) 2003		
Explanatory Notes	(free PDF on web) 2004		
STRAWBRIDGE SG51-15-3543	in prep.		
TAMBOURAH SF50-8-2754	2002		
Explanatory Notes	2003		
TANGADEE SG50-4-2549	in prep.		
THADUNA SG50-8-2846	1996		
Explanatory Notes	1998		
TIERACO SG50-11-2545	in prep.		
THROSSELL SF51-10-3253	1996		
Explanatory Notes	2000		
TURKEY CREEK SE52-6-4563	1997		





Geoscience Australia 1:100 000 geological mapping

The following Western Australian 1:100 000 sheets have been mapped by Geoscience Australia (formerly AGSO) under the National Geoscience Agreement. Colour maps are available from the Information Centre at Mineral House, or online through the ebookshop. Digital data is available from the **Digital Data Administrator** (see page 3 for details). The maps and accompanying Explanatory Notes are also available for perusal in the Departmental library at Mineral House.

R = Revision of map, with new date annotated

***** = An accompanying Explanatory Note (E/N) or Record (Rec)

Map = \$11.00 incl. GST

Digital data = \$55.00 incl. GST

Geoscience Australia (GA) maps covering the North Eastern Goldfields have been incorporated into GSWA's digital series **1:100 000 Geological Information Series** — East Yilgarn (see **Digital packages** for details) as shown on the index map on the previous page.

ANTRIM SE52-10-4561	1996	MOUNT MASON SH51-5-2939 (new GSWA edition, 2003)	R1995
BALLARD SH51-5-3039 (GA Record 1999/46)	*R1995	MOUNT VARDON SH51-2-3341	1996
BALLIMORE SG51-9-3145 (GA Record 2000/02)	*1996	MUNJEROO SH51-1-2941	R1996
BATES SG52-6-4646 (east of index maps)	1996	NAMBI SH51-2-3241	1996
BURTVILLE SH51-2-3440	1995	NICHOLSON SE52-10-4661	1996
COW CREEK SE52-10-4560	1996	RUBY PLAINS SE52-10-4460 (E/N)	*R1997
DE LA POER SG51-14-3443 (GA Record 1999/33)	*R1996	SANDALWOOD SG51-13-3144 (GA Record 2000/02)	*1996
GORDON DOWNS SE52-10-4660	1996	TATE SG51-14-3243	1996
HALLS CREEK SE52-10-4461 (E/N available from GSWA)	*1996	URAREY SG51-14-3343 (GA Record 1999/33)	*1996
LAKE CAREY SH51-6-3339	R1994	WANGGANNOO SG51-13-3143	1996
LAKE VIOLET SG51-9-3044	1997	WEEBO SH51-1-3141	R1996
(see GSWA Record 2007/21 for Explanatory Notes, and see new GSWA edition, 2009)	2009	WILBAH SH51-1-3040	R1996
LAKE VIOLET SG51-9-3044 (solid geology)	1997	WILDARA SH51-1-3041	R1996
LAVERTON SH51-2-3340	R1997	YEELIRRIE SG51-13-2943 (see new GSWA edition, 2009)	R1998
LEONORA SH51-1-3140 (GA Record 1998/9)	*R1993	YERILLA SH51-6-3239	R1995
McMILLAN SH51-2-3441	1995		
MINERIE SH51-2-3240 (new GSWA edition, 2008)	R1995		
MOUNT ALEXANDER SH51-1-2940	R1996		
MOUNT CELIA SH51-6-3439	1995		
MOUNT KEITH SG51-13-3043 (GA Record 1999/37, and see new GSWA edition, 2009)	*1997		
MOUNT KEITH SG51-13-3043 (solid geology at same scale)	1997		

NEW

NEW

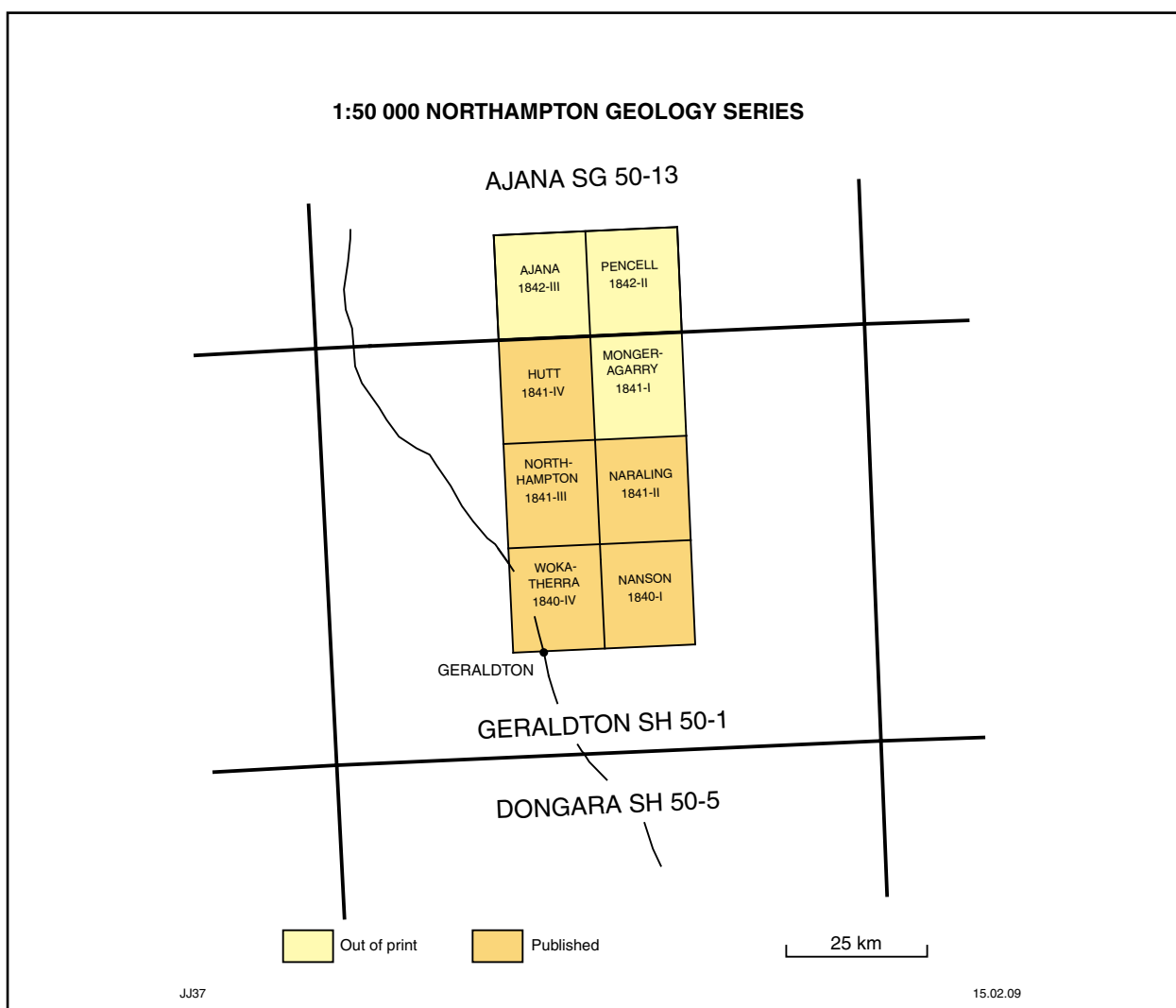
NEW

1:50 000 Northampton geological mapping

The Northampton 1:50 000 geological sheets resulted from a specific project, and no systematic bedrock mapping at this scale is proposed for the near future. See **1: 50 000 urban, environmental, and resource mapping** listing for other maps in this area.

Coloured maps \$2.75 (incl. GST) each, *also free on web as PDF files*

AJANA SG50-13-1842-III	(out of print) 1968	NARALING SH50-1-1841-II	1968
HUTT SH50-1-1841-IV	1968	NORTHAMPTON SH50-1-1841-III	1968
MONGERAGARRY SH50-1-1841-I	(out of print) 1968	PENCELL SG50-13-1842-II	(out of print) 1968
NANSON SH50-1-1840-I	1964	WOKATHERRA SH50-1-1840-IV	1964



1:50 000 urban, environmental, and resource mapping

The urban, environmental, and resource maps and digital data focus on unravelling the regolith stratigraphy, landform processes, and mineral resources of certain areas of the State, and the use of this information to help identify basic raw materials. These maps are of particular interest to land use planners, Shires, and the extractive industry. There are three separate series listed below. *Fieldnotes* no. 20 has an article of interest on this mapping.

Urban series maps	\$8.80 incl. GST
Environmental series maps	\$8.80 incl. GST
Resource mapping and assessment	variable pricing
(may include digital data)	

Urban series (1977–1982):

BAYNTON SF50-2-2256-III	1980
BOODARRIE SF50-3-2557-II	1983
BUNBURY–BUREKUP SI50-6-2031-III, -II	1982
DAMPIER – EAGLEHAWK ISLAND – ROSEMARY SF50-2-2256-IV, -2156-I, -2257-III	1982
DE WITT – PICARD SF50-3-2356-II, -I	1981
GINGIN SH50-14-2035-II	1976
HARVEY – LAKE PRESTON SI50-6-2031-I, -IV	1982
KARRATHA SF50-2-2256-II	1980
MANDURAH SI50-2-2032-IV	1977
MOORE RIVER – CAPE LESCHENAULT SH50-13-1935-II, -14-2035-III	1977
NICKOL BAY – LEGENDRE SF50-2-2256-I, -2257-II	1979
PINJARRA SI50-2-2032-I	1978
POINT SAMSON – DELAMBRE ISLAND SF50-3-2356-IV, -2357-III	1979
PORT HEDLAND SF50-4-2657-III	1983
ROEBOURNE SF50-3-2356-III	1979

Environmental series (1984–1991):

ALBANY SI50-15-2427-I, -2428-II, -2527-IV, -2528-III	1989
ARMADALE SI50-2-2033-I, -2133-IV	1986
BROOME – ROEBUCK PLAINS SE51-6-3361-IV, SE51-6-3362-II, -3362-III	1988
BUSSELTON SI50-5-1930-I	1987
CAPEL SI50-6-2030-IV	1987
COLLIE SI50-6-2131-III	1987
FREMANTLE SI50-2-2033-I, -2033-IV	1986
GLENEAGLE SI50-2-2133-II, -III	1989
LAKE CLIFTON – HAMEL SI50-2-2032-II, -2032-III	1987
MUCHEA SH50-14-2034-I, -2134-IV	1984
MUJA SI50-6-2131-II	1987
MUNDARING SH50-14-2134-II, -2134-III	1987
PERTH SH50-14-2034-II, -2034-III, -2134-III	1986
ROCKINGHAM SI50-2-2033-II, -2033-III	1985
ROTTNEST ISLAND* SH50-13-1934-II, SH50-14-2034-III, SI50-1-1933-I, SI50-2033-IV	1990
SERPENTINE SI50-2-2033-II, -2133-III	1986
TORBAY SI50-15-2427-IV, -2428-III	1989
YALLINGUP SI50-5-1930-IV, -1830-I	1991
YANCHEP SH50-14-2034-IV	1985

*1:25 000-scale map

Resource mapping and assessment (1998 onward):

The Geological Survey recommenced fieldwork in 1998 for a new series of maps to complement the existing environmental series, and the first environmental geology maps to be released since 1991 were published in 2000.

The new Resource mapping and assessment program (also known as Urban and development areas mapping) has produced packages comprising a 1:50 000-scale hardcopy map modelled on the discontinued environmental series maps, a Report, and a CD-ROM containing GIS-based digital datasets. The new program has focused initially on growth-pressure areas in the Southwest, the Geraldton region, and around Kalgoorlie.

Prices are as follows:

Full package (book, map, CD-ROM)	\$77.00 incl. GST
GIS dataset on CD-ROM	\$55.00 incl. GST
Map and Explanatory Note	\$22.00 incl. GST
Map only	\$11.00 incl. GST

Sheets in this series are:

GERALDTON SH50-1-1840-III (Record 2000/17)	2000
HOWATHARRA SH50-1-1840-IV (Record 2001/7)	2001
COWARAMUP–MENTELLE SI50-5-1930-III, -1830-II (Record 2000/18)	2000
KARRIDALE–TOOKER SI50-9-1929-IV, part 1829-I (Record 2002/10)	2002
LEEUEWIN SI50-9-1929-III (Record 2002/10)	2002

KALGOORLIE REGION

Regolith–landform resources of the Kalgoorlie–Kalgoorlie–Kalgoorlie region, 1:50 000 mapping

Digital data and other information on DVD with GeoVIEWER.WA

software (Record 2004/12). Covers the following 1:50 000 sheets:

BOULDER SH51-9-3136-II, **GOLDEN RIDGE** SH51-10-3236-III, **KALGOORLIE** SH51-9-3136-I, **KANOWNA** SH51-10-3236-IV

DVD Record 2004/12 \$22.00 incl. GST **2004**

Regolith–landform mapping and hyperspectral data for the Kalgoorlie–Kalgoorlie–Kalgoorlie area

Covers the following 1:50 000 sheets: **BOULDER** SH51-9-3136-II,

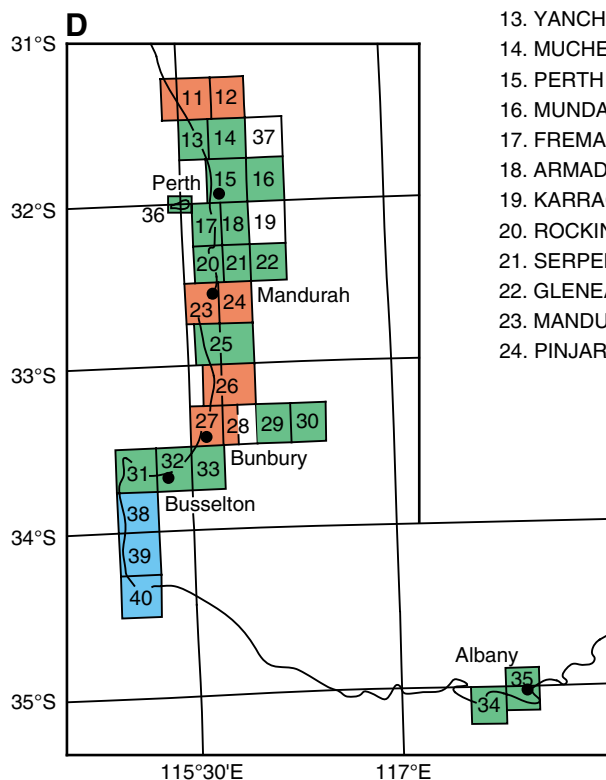
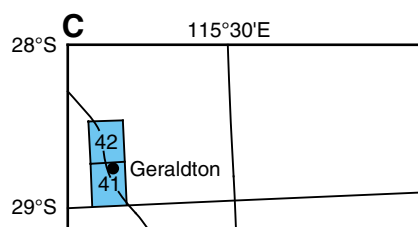
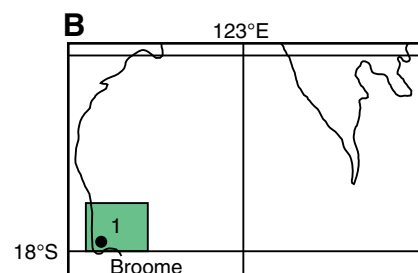
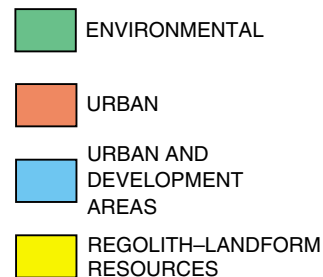
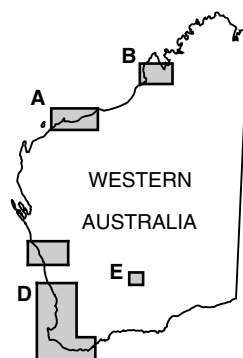
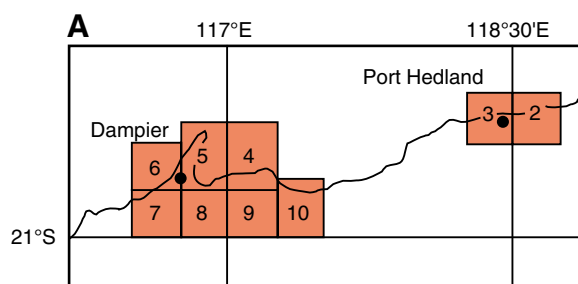
GOLDEN RIDGE SH51-10-3236-III, **KALGOORLIE**

SH51-9-3136-I, **KANOWNA** SH51-10-3236-IV

DVD Record 2005/7 \$55.00 incl. GST **2005**

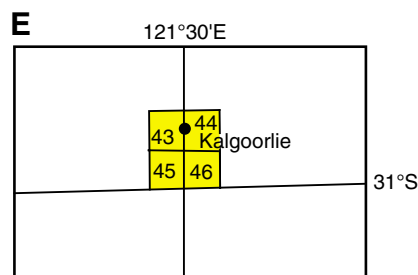
See also *Digital packages*

1:50 000 ENVIRONMENTAL/URBAN GEOLOGY/DEVELOPMENT AREAS/REGOLITH-LANDFORM MAPS



KEY TO NUMBERS

- | | |
|--------------------------------------|-----------------------------|
| 1. BROOME – ROEBUCK PLAINS | 25. LAKE CLIFTON – HAMEL |
| 2. PORT HEDLAND | 26. HARVEY – LAKE PRESTON |
| 3. BOODARRIE | 27. BUNBURY – BUREKUP |
| 4. POINT SAMSON – DELAMBRE ISLAND | 28. BUREKUP (CANCELLED) |
| 5. NICKOL BAY – LEGENDRE | 29. COLLIE |
| 6. DAMPIER – EAGLEHAWK IS – ROSEMARY | 30. MUJA |
| 7. BAYNTON | 31. YALLINGUP |
| 8. KARRATHA | 32. BUSSELTON |
| 9. ROEBOURNE | 33. CAPEL |
| 10. DEWITT – PICARD | 34. TORBAY |
| 11. MOORE – CAPE LESCHENAUT | 35. ALBANY |
| 12. GINGIN | 36. ROTTNEST IS. (1:25 000) |
| 13. YANCHEP | 37. JUMPERKINE (CANCELLED) |
| 14. MUCHEA | 38. COWARAMUP-MENTELLE |
| 15. PERTH | 39. KARRIDALE-TOOKER |
| 16. MUNDARING | 40. LEEUWIN |
| 17. FREMANTLE | 41. GERALDTON |
| 18. ARMADALE | 42. HOWATHARRA |
| 19. KARRAGULLEN (CANCELLED) | 43. KALGOORLIE |
| 20. ROCKINGHAM | 44. KANOWNA |
| 21. SERPENTINE | 45. BOULDER |
| 22. GLENEAGLE | 46. GOLDEN RIDGE |
| 23. MANDURAH | |
| 24. PINJARRA | |



JJ41

13.03.06

Non-series (project) maps — various scales

Most of the maps covered in this section (and listed in alphabetical order) have been produced to accompany a Bulletin, a Mineral Resources Bulletin, a Report, or a Record published by GSWA since 1970. However, there are also some stand-alone maps. Colour maps are generally priced at \$11.00 incl. GST, and black and white maps at \$6.60 incl. GST, sets of maps vary in price. Six index maps show coverage chronologically. The listing gives the actual title of each map (or plate), its scale, and its compiler. Maps that accompany a publication have traditionally been termed 'plates' by GSWA.

All non-series (project) maps published since 1992 are available in digital form. Contact the **GSWA Digital Data Administrator**, see page 3 for details. Prices for digital data are \$55.00 incl. GST per sheet, except where marked otherwise. From 2003 onward, new maps are available on the web for free download as PDF files as well. Check our website at www.dmp.wa.gov.au/GSWApublications

ALBANY MINERAL RESOURCES (Record 1993/4) Mineral resources of the Albany 1:1 000 000 sheet; compiled by DB Townsend. Plate only \$8.80 incl. GST (paper); \$27.50 incl. GST (digital package)	1994	DEPTH TO BASE PHANEROZOIC (Record 1994/9) Depth to base Phanerozoic map of Western Australia, scale 1:2 500 000; compiled by IA Copp. Plate only \$11.00 (paper); \$27.50 (digital package) incl. GST	1994
ASHBURTON BASIN AND SOUTHWESTERN HAMERSLEY BASIN (Bulletin 139, Plates 1–2) Geological map, scale 1:500 000; Structural interpretation, scale 1:500 000; compiled by AM Thorne, DB Seymour, IM Tyler, and WM Hunter. Plates only \$14.30 incl. GST	1991	DIMENSION STONE IN SOUTHWEST WESTERN AUSTRALIA (Mineral Resources Bulletin 23, Plate 1) Scale 1:2 000 000; compiled by JM Fetherston. Plate only \$11.00 incl. GST	2007
BANGEMALL BASIN (Bulletin 128, Plates 1–4) Geological map, scale 1:1 000 000; Structural map, scale 1:1 000 000; Cross-section, scale 1:250 000; Edmund Fold Belt structural map; compiled by PC Muhling and AT Brakel. Plates only \$16.50 incl. GST	1985	DUMBLEYUNG HYDROGEOLOGY (Record 1994/7; see hydrogeological mapping index) Hydrogeology of the Dumbleyung Land Conservation District, scale 1:200 000; Merilup Catchment, scale 1:100 000; compiled by SJ Cody. Plates only \$16.50 incl. GST	1994
BANGEMALL BASIN MINERALIZATION (Report 64, Plate 1) Mineralization and geology of Bangemall Basin, scale 1:500 000; compiled by RW Cooper, L Bagas, AM Thorne, IM Tyler, IM Copp, and RL Langford. Plate only \$11.00 incl. GST	1998	EARAHEEDY MINERALIZATION (Report 96, Plate 1) Mineralization and geology of the Earaheedy area, scale 1:500 000; compiled by PB Abeysinghe and RM Hocking. Plate only \$11.00 incl. GST	2005
BONAPARTE – ORD BASINS (Bulletin 134, Plates 1–3) Geological maps (northern sheet and southern sheet) scale 1:250 000; Ningbing Range geology, scale 1:100 000; compiled by GM Beere and AJ Mory. Plates only \$24.75 incl. GST	1987	EAST KIMBERLEY MINERALIZATION (Report 74, Plate 1) Mineralization and geology of the east Kimberley, scale 1:500 000; compiled by IM Tyler, R Flint and LY Hassan. Plate not sold separately \$44.00 incl. GST for book and Plate 1	2000
BROWSE BASIN AND KIMBERLEY Location of Browse Basin and Kimberley resource projects, scale 1:1 000 000; compiled by Department of Industry and Resources. <i>download free from web as PDF file</i>	2006	EAST PILBARA MINERALIZATION (Report 81, Plate 1) Mineralization and geology of the east Pilbara, scale 1:500 000; compiled by IM Tyler, R Flint and LY Hassan. Plate not sold separately \$44.00 incl. GST for book and Plate 1	2001
BRYAH AND PADBURY BASINS (Report 59, Plate 1) Interpreted geology of the Palaeoproterozoic Bryah and Padbury Basins, scale 1:250 000; compiled by CP Swager, SA Occhipinti, and F Pirajno. Plate \$11.00 incl. GST	1998	EAST YILGARN (Reports 78, 83, 84) Superseded by 1:100 000 Geological Information Series, East Yilgarn, see Digital packages	
BULLFINCH – PARKER RANGE (Report 28, Plates 1–3) Geology and gold mines, north and south sheets, scale 1:100 000; Archaeal geology and gold deposits, scale 1:250 000; compiled by W Keats. Plates only \$29.70 incl. GST	1989	EASTERN GOLDFIELDS GRANITOIDS (Report 49, Plate 1) Granitoid geology of the southwest Eastern Goldfields, scale 1:500 000; compiled by WK Witt. Plate \$11.00 incl. GST	1996
CANNING BASIN (see Lennard Shelf)		FORTESCUE GROUP (Bulletin 144, Plates 1A–1C) Geology of the Fortescue Group, Pilbara Craton — two plates (West, East) and legend, scale 1:500 000; compiled by AM Thorne and AH Hickman. Plates and legend \$22.00 incl. GST	1998
CENTRAL CANNING BASIN (Record 2003/14, Plate 1) Wells, leads, and prospects of the central Canning Basin, Western Australia, 2003, scale 1:500 000; compiled by C D'Ercole and L Gibbons. Plate 1 <i>download free from web as PDF file</i>	2003	GASCOYNE MINERALS STUDY (Record 2000/7, Plate 1) Mineral deposits and interpreted pre-Cainozoic geology of the Gascoyne region, scale 1:1 000 000; compiled by F Vanderhor. Plate only \$11.00 incl. GST	2000
CARNARVON BASIN (Bulletin 133, Plates 1–3) Geological map, scale 1:1 000 000; Pre-Cretaceous geology, scale 1:1 000 000; Cross sections and palaeogeographic reconstructions; compiled by M Hocking, HT Moors, and WJE van de Graaff. Plates only \$24.75 incl. GST	1986	GASCOYNE PROVINCE (Report 15, Plates 1–2) Geological map, scale 1:1 000 000; Structure of southwestern Gascoyne, scale 1:250 000; compiled by SJ Williams. Plates only \$22.00 incl. GST	1985

Non-series (project) maps — various scales

GROUNDWATER VULNERABILITY TO CONTAMINATION

(Record 1993/6, 2 Plates; see hydrogeological mapping index)
Southern and Northern part of Perth Basin, scale 1:500 000;
compiled by S J Appleyard. Plates only \$22.00 incl. GST

1993

HALLS CREEK OROGEN (Bulletin 143, Plates 3–5)

Geological map of the Halls Creek Orogen, East Kimberley region, scale 1:500 000 (Plate 3); Simplified geology of the Halls Creek Orogen, East Kimberley region, scale 1:500 000 (Plate 4); Reference for Plates 3 and 4, Halls Creek Orogen, East Kimberley region (Plate 5); compiled by I M Tyler.
Plates 3–5 \$22.00 incl. GST (see also: King Leopold Orogen)

2000

HALLS CREEK OROGEN MINERALIZATION

(Report 66, Plate 1)

Mineral occurrences of the Halls Creek Orogen, Western Australia, scale 1:1000 000; by T S Sanders and L Y Hassan.
Plate only \$11.00 incl. GST

1999

HAMERSLEY BASIN (see also Sylvania Inlier)

INDUSTRIAL MINERALS (Record 2008/16, Plates 1 & 2)

Industrial minerals in Western Australia, scale 1:5 000 000;
compiled by J M Fetherston.

free on web as PDF files

updated 2008

IRWIN RIVER COALFIELD (Report 44, Plate 1)

Geology of the Irwin River Coalfield area, scale 1:100 000;
compiled by A J Mory and R P Iasky. Plate 1 \$11.00 incl. GST

1995

JILLAWARRA (Report 40, Plates 1–2)

Geological map of the Jillawarra area, scale 1:50 000;
Solid geology of the Jillawarra area, scale 1:100 000;
compiled by J Vogt. Plates only \$19.80 incl. GST

1993

KALGOORLIE (see also Record 2005/7)

Kalgoorlie–Kanowna kaolin disorder, part sheets 3136 and 3236, scale 1:100 000; compiled by T Cudahy, M Caccetta, A Cornelius, R Hewson, M Wells, M Skwarnecki, S Halley and P Hausknecht (CRC LEME). Map only \$11.00 incl. GST

2005

KALGOORLIE–BOULDER (Report 21, Plates 1–3)

Precambrian geology, scale 1:50 000; Outcrop geology, scale 1:50 000; Mining area geology, scale 1:25 000;
compiled by W Keats. Plates only \$33.00 incl. GST

1986

KALGOORLIE TERRANE (Report 48, 2 Maps)

Archaean geology map, north and south sheets, scale 1:250 000;
compiled by C P Swager and T J Griffin.

Maps only \$22.00 incl. GST

1990

KIMBERLEY (see Browse Basin)

Location of Browse Basin petroleum and Kimberley resource projects, scale 1:1 000 000; compiled by Department of Industry and Resources.
download free from web as PDF file

2006

KING LEOPOLD OROGEN (Bulletin 143, Plates 1–2)

Geological map of the King Leopold Orogen, West Kimberley region, scale 1:500 000 (Plate 1); Structural and metamorphic interpretation of the King Leopold Orogen, West Kimberley region, scale 1:500 000 (Plate 2);
compiled by T J Griffin and I M Tyler.

Plates only \$22.00 incl. GST (see also: Halls Creek Orogen)

1995

KURNALPI–EDJUDINA TERRANES (Report 47, Plate 1)

Geology of the Kurnalpi–Edjudina Greenstone Terranes, southeastern Yilgarn Craton, scale 1:250 000; compiled by C P Swager. Plate only \$11.00 incl. GST

1996

LAKE LEFROY AND COWAN (Report 32, Plates 1–2)

Precambrian geology maps, scale 1:100 000; compiled by T J Griffin. Plates only \$17.60 incl. GST

1990

LALLA ROOKH – WESTERN SHAW (see Pilbara)

LEAD–ZINC–SILVER (Mineral Resources Bulletin 15, Plate 1)

Lead–zinc–silver — mines, deposits, prospects, and major occurrences of Western Australia, scale 1:5 000 000;
compiled by K M Ferguson.

Plate \$11.00 incl. GST

1998

LENNARD SHELF (Bulletin 145, Plates 1–8)

Napier Range area, scale 1:100 000; Oscar Range area, scale 1:100 000; Fossil Downs area, scale 1:100 000; Pillara Range – Emanuel Range and Sparke Range area, scale 1:100 000; Bugle Gap area, scale 1:50 000; Windjana Gorge, scale 1:25 000; Lennard Shelf, scale 1:250 000;
compiled by P E Playford and R M Hocking.

1998–

Plates 1–7 \$11.00 each, set Plates 1–7 \$66.00 all incl. GST

2000

Plate 8

in prep.

LEONORA–NEALE

Leonora–Neale Transect, solid geology map, scale 1:500 000; compiled by A J Whitaker and R S Blewett (Geoscience Australia). Plotted map \$11.00 incl. GST

2002

LIMESTONE AND LIMESAND (Mineral Resources Bulletin 18, Plates 1, 2)

Limestone and limesand distribution in the Perth Metropolitan Area, scale 1:100 000 (in two sheets, north and south); compiled by P B Abeyinghe. Plates only \$22.00 incl. GST

1998

MALLINA BASIN (see Pilbara)

MENZIES–KAMBALDA REGION (Report 39, Plates 1A, 1B, 2)

Gold deposits of the Menzies–Kambalda belt, in two sheets, scale 1:100 000; Geological map of selected portions of the Menzies–Boorara Shear Zone, scale 1:25 000;
compiled by W K Witt. Plates only \$27.50 incl. GST

1993

MID WEST MINERALS STUDY (Record 2000/14, Plate 1)

Geology and mineral resources of the Mid West Region, scale 1:1 000 000; compiled by F Vanderhor. Plate \$11.00 incl. GST

2000

MOUNT MONGER (Report 16, Plates 1, 2)

Geological map of the Mt Monger area, scale 1:50 000; Interpretive geological map of the Mt Monger area, scale 1:100 000; compiled by A H Hickman. Plates \$11.00 incl. GST set

1985

MOUNT NARRYER (Report 22, Plate 1)

Geological map, scale 1:250 000; compiled by I R Williams and J S Myers. Plate \$11.00 incl. GST

1987

MURCHISON PROVINCE (Bulletin 137, Plates 1–3)

Precambrian geology and mineral deposits, scale 1:500 000; Stratigraphy, structure, and mineralization, scale 1:500 000; Metamorphic facies, scale 1:500 000; compiled by K P Watkins, A H Hickman, and A L Ahmat.

Plates only \$29.70 incl. GST

1988

NEALE (see Leonora–Neale)

NABBERU BASIN (Bulletin 131, Plate 1)

Geological map, scale 1:1 000 000; compiled by J A Bunting. Plate \$8.25 incl. GST

1985

NON-POINT SOURCE GROUNDWATER CONTAMINATION IN THE PERTH BASIN (Record 1996/2, Plates 1–4; see hydrogeological mapping index)

Non-point groundwater contamination sample sites, Perth Basin, northern and southern sheets, scale 1:500 000; Inferred areas of nitrogen and sulphate non-point contamination, Perth Basin, northern and southern sheets, scale 1:500 000;

compiled by K-J Hirschberg. Plates only \$16.50 incl. GST

1995

Non-series (project) maps — various scales

NORTH EASTERN GOLDFIELDS MINERALIZATION

(Report 63, Plate 1)

Mineralization and geology of the north Eastern Goldfields, scale 1:500 000; compiled by KM Ferguson, TR Farrell, and AH Hickman. Plate only \$11.00 incl. GST

1998

NORTH KIMBERLEY MINERALIZATION (Report 85, Plate 1)

Mineralization and geology of the north Kimberley, scale 1:500 000; compiled by I Ruddock, IM Tyler, and DJ Flint. Plate not sold separately \$44.00 incl. GST book and Plate 1

2003

PADBURY BASIN (see Bryah Basin)

PATERSON MINERALIZATION (Report 97, Plate 1)

Mineralization and geology of the Paterson area, scale 1:500 000; compiled by KM Ferguson and L Bagas. Plate only \$11.00 incl. GST

2005

PEEDAMULLAH SHELF (Report 73, Plate 1)

Location map, Peedamullah Shelf and Onslow Terrace, scale 1:500 000; compiled by R Iasky and K Blundell. Plate only \$11.00 incl. GST

2000

PERTH AND ENVIRONS GEOLOGICAL MAPS

1st edition: Geology; limestone resources; clay, loam and shale resources; dimension stone and aggregate resources; land utilisation; water resources; silica resources; scale 1 mile to 1 inch (from Yanchep to Rockingham); compiled by NH Gray, J Soufoulis, L de la Hunty, and G Low. 3 Maps (out of print)

1951

2nd edition: Geology (from Yanchep to Rockingham), scale 1:50 000; compiled by GH Low, RW Lake, JL Baxter, and JJG Doepel. 4 maps (out of print)

1970

PERTH BASIN AND PERTH REGION GROUNDWATER

CONTAMINATION MAPS (Record 1991/7; see hydrogeological mapping index)

Perth North and Perth South, scale 1:100 000; Perth Basin North and Perth Basin South, scale 1:500 000; compiled by K-J Hirschberg. Maps only \$22.00 incl. GST

1991

PHANEROZOIC CORRELATION CHART

Chart \$6.05 incl. GST

1989

PILBARA IRON ORE (part of GIS package, see **Digital packages**)

Iron ore deposits of the Pilbara region, October 2007

Map at 1:500 000 scale; compiled by RW Cooper and DF Flint

Map only \$11.00 incl. GST

latest edition 2007

or download free from web as PDF file

PILBARA

Lalla Rookh – Western Shaw Structural Corridor (sheets 2755–2754), scale 1:50 000; compiled by MJ Van Kranendonk

Plates 1, 1A of Report 103

Map only \$11.00 incl. GST

2006

PILBARA

Archaean geology of the Mallina and Whim Creek Basins, scale 1:250 000 scale; compiled by RH Smithies.

Map only \$11.00 incl. GST

2003

PILBARA (Report 101, Plates 1, 2)

Geology of areas within the Whim Creek greenstone belt, Pilbara Craton, WA: Mons Cupri, scale 1:10 000; Geology of areas within the Whim Creek greenstone belt, Pilbara Craton, WA: Good Luck Well, Red Hill, and Salt Creek, scale 1:10 000; compiled by RH Smithies and G Pike.

Plates 1 and 2 to accompany Report 101 (unpublished)

Plates 1 and 2 \$11.00 incl. GST

2005

PILBARA (Report 102, Plate 1)

Asteroid impact signatures of the Pilbara Craton, Western Australia, scale 1:1 000 000; compiled by AY Glickson and AH Hickman. Plate 1 to accompany Report 102 (unpublished)

Plate only \$11.00 incl. GST

2005

PILBARA (see also west Pilbara and east Pilbara)

PILBARA BLOCK (Bulletin 127, Plate 1)

Lithological map and stratigraphic interpretation, scale 1:1 000 000; compiled by AH Hickman. Map \$7.15 incl. GST

1980

PILBARA CRATON MINERALIZATION

Geology and mineralization of the Pilbara Craton, scale 1:500 000; compiled by I Ruddock.

Map only \$11.00 incl. GST

2002

RAVENSTHORPE (Report 54, Plate 1)

Interpreted geology and mineralization of the Ravensthorpe region, scale 1:100 000;

compiled by WK Witt. Plate \$11.00 incl. GST

1998

REGIONAL INTERPRETATION MAP OF THE ARCHAEOAN GEOLOGY OF THE SOUTHEAST PART OF THE YILGARN BLOCK

Parts of SH51 and SI51, scale 1:1 000 000; compiled by IR Williams. Map \$7.15 incl. GST

1976

ROTTNEST ISLAND (Report 6, Plate 1)

Geological map of Rottne Island, scale 1:25 000; compiled by PE Playford. Map \$11.00 incl. GST

1976

SAVORY BASIN (Bulletin 141, Plates 1–2)

Geology of the Savory Basin, scale 1:500 000; Structural interpretation of the Savory Basin, scale 1:1 000 000; compiled by IR Williams. Plates only \$22.00 incl. GST

1992

SHARK BAY BASIC RAW MATERIALS (Record 1996/9, Plate 1)

Basic raw materials of the Shark Bay Heritage Area, scale 1:500 000; compiled by DB Townsend.

Plate only \$8.80 incl. GST

1996

SHOEMAKER IMPACT STRUCTURE (Report 82, Plate 1)

Geology of the Shoemaker impact structure, scale 1:100 000; compiled by F Pirajno. Plate only \$11.00 incl. GST

2001

SOUTHERN CROSS – ESPERANCE (Record 2002/3, Plate 1)

Geology and mineral resources of the Southern Cross – Esperance region, scale 1:1000 000; compiled by F Vanderhor.

Plate only \$11.00 incl. GST

2002

SOUTHWEST DIMENSION STONE (see **Dimension stone**)

SOUTHWEST MINERALIZATION (Report 65, Plate 1)

Mineralization and geology of southwest Western Australia, scale 1:500 000; compiled by LY Hassan, KM Ferguson, RW Cooper, EPW Peiris, and R Rogerson.

Plate only \$11.00 incl. GST

1998

SUBDIVISIONS OF WESTERN AUSTRALIAN NEOPROTEROZOIC AND PHANEROZOIC

SEDIMENTARY BASINS (Record 1994/4, Plate 1)

Scale nominally 1:5 000 000; compiled by RM Hocking.

Plate only \$11.00 (paper); \$27.50 (digital package) incl. GST

1994

SYLVANIA INLIER AND SOUTHEAST HAMERSLEY BASIN

(Bulletin 138, Plates 1–3)

Geological map, eastern and western sheets, scale 1:250 000; structural interpretation, scale 1: 500 000; Jimblebar greenstone belt, scale 1:50 000; compiled by IM Tyler.

Plates only \$24.75 incl. GST

1991

Non-series (project) maps — various scales

TANTALUM OCCURRENCES IN WESTERN AUSTRALIA

(Mineral Resources Bulletin 22, Plate 1)

Scale 1:5 000 000; compiled by JM Fetherston

Plate only \$11.00 incl. GST

2004

or download free from web as PDF file

TECTONIC MAP OF WESTERN AUSTRALIA

(GENERALIZED) (Mineral Resources Bulletin 13, Plate 1)

Tectonic map of WA showing the location of copper mines, prospects, and occurrences, scale 1:5 000 000;

compiled by RJ Marston. Map \$6.05 incl. GST

1979

(but see p. 6, **State maps**, for up-to-date tectonic maps)

WARRIEDAR FOLD BELT

Geology of the Warriedar Fold Belt, scale 1:100 000;

compiled by JL Baxter. Map \$11.00 incl. GST

1991

WEST KIMBERLEY MINERALIZATION (Report 88, Plate 1)

Mineralization and geology of the west Kimberley, scale 1:500 000; compiled by LY Hassan, TJ Griffin, IM Tyler, RM Hocking, and DJ Flint.

Plate (and Appendix 1) \$11.00 incl. GST

2003

WEST PILBARA (Report 92, Plate 1)

Interpreted bedrock geology of the northwestern Pilbara Craton, scale 1:250 000; compiled by AH Hickman, RH Smithies, and CA Strong.

Plate 1 to accompany (unpublished) report.

Plate only \$11.00 incl. GST

2006

WEST PILBARA MINERALIZATION (Report 70, Plate 1)

Mineralization and geology of the west Pilbara, scale 1:500 000;

compiled by LY Hassan, I Ruddock, RW Cooper, EP Peiris,

AH Hickman, CA Strong, and RH Smithies.

Plate only \$11.00 incl. GST

1999

WESTERN SHAW (see Pilbara)

WHIM CREEK BASIN (see Pilbara)

YERRIDA BASIN (Report 60, Plates 1, 2)

Interpreted geology of the Palaeoproterozoic Yerrida Basin, scale 1:250 000; compiled by F Pirajno.

Two plates \$16.50 set incl. GST

1999

YILGARN IRON ORE

Iron ore deposits of the Yilgarn Craton — 2009, scale 1:1 500 000; compiled by RW Cooper and DJ Flint.

Map only \$11.00 incl. GST

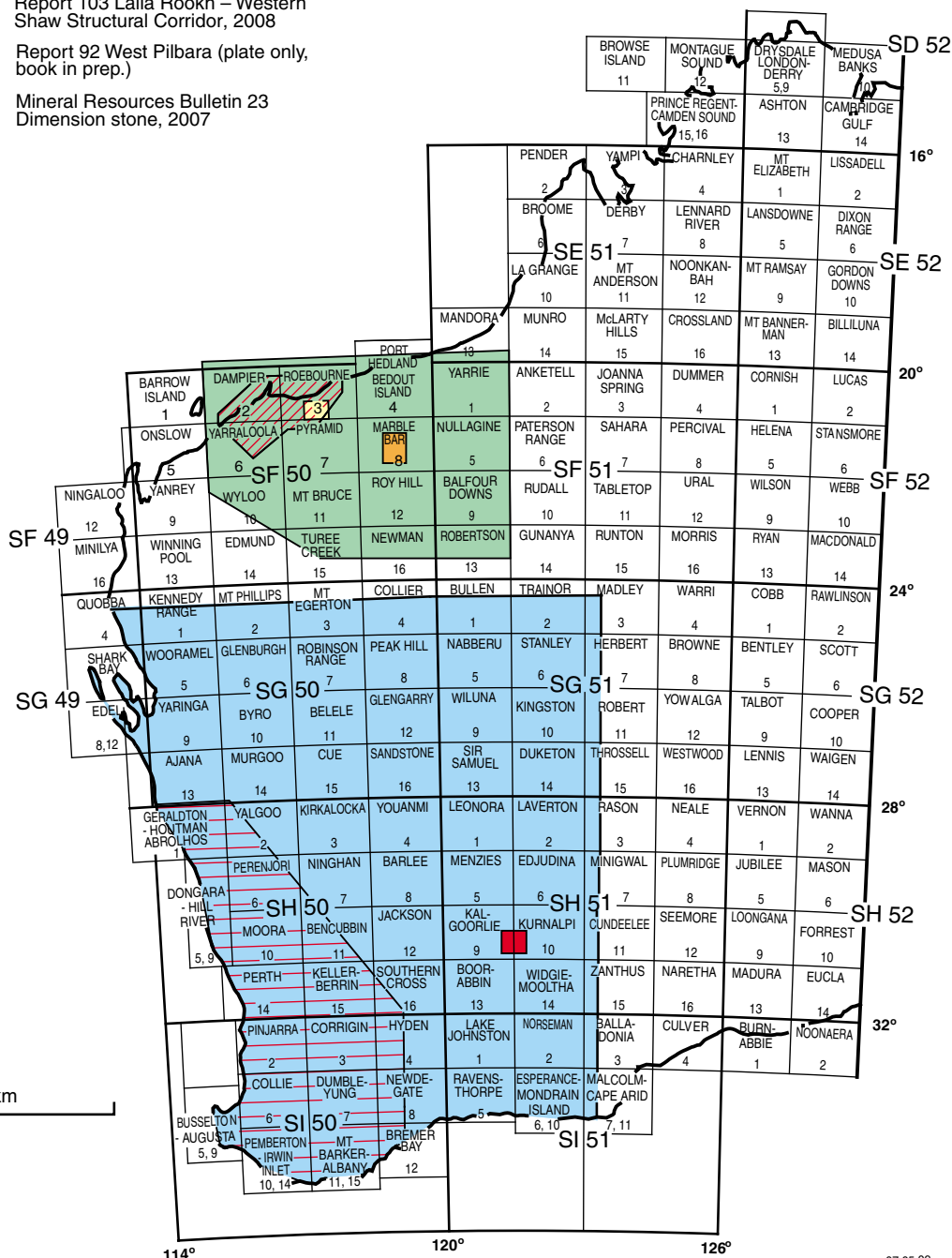
2009

or download free from web as PDF file



NON-SERIES MAPS 2005 ONWARD (Sheet 1 of 6)



















- Kalgoorlie-Kanowna kaolin disorder, 2005
- Yilgarn iron ore, 2009
- Report 101 Whim Creek, 2005
- Report 102 Asteroid impact structures, 2005 (plate only, book in prep.)
- Report 103 Lalla Rookh – Western Shaw Structural Corridor, 2008
- Report 92 West Pilbara (plate only, book in prep.)
- Mineral Resources Bulletin 23 Dimension stone, 2007

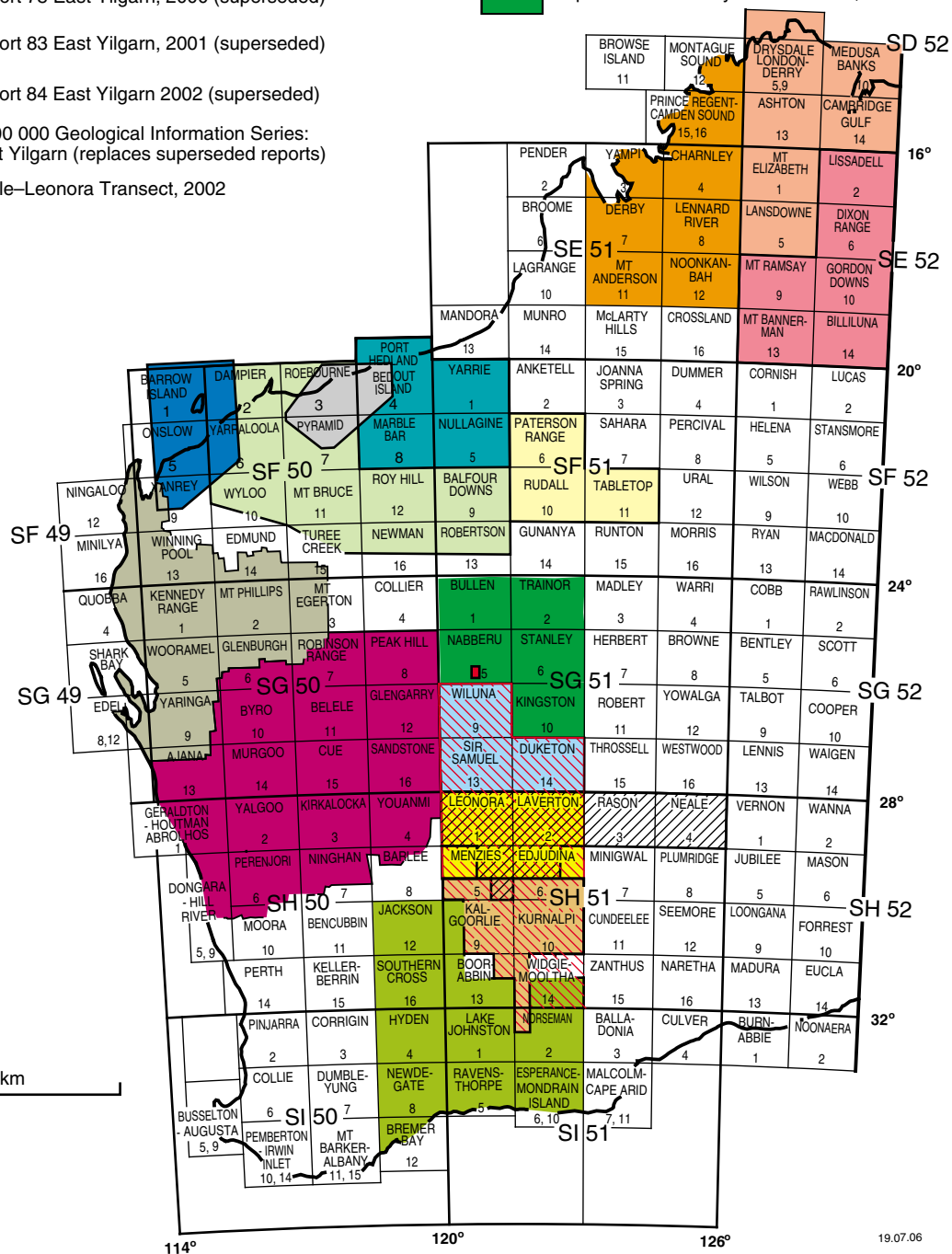


JJS3














07.05.09

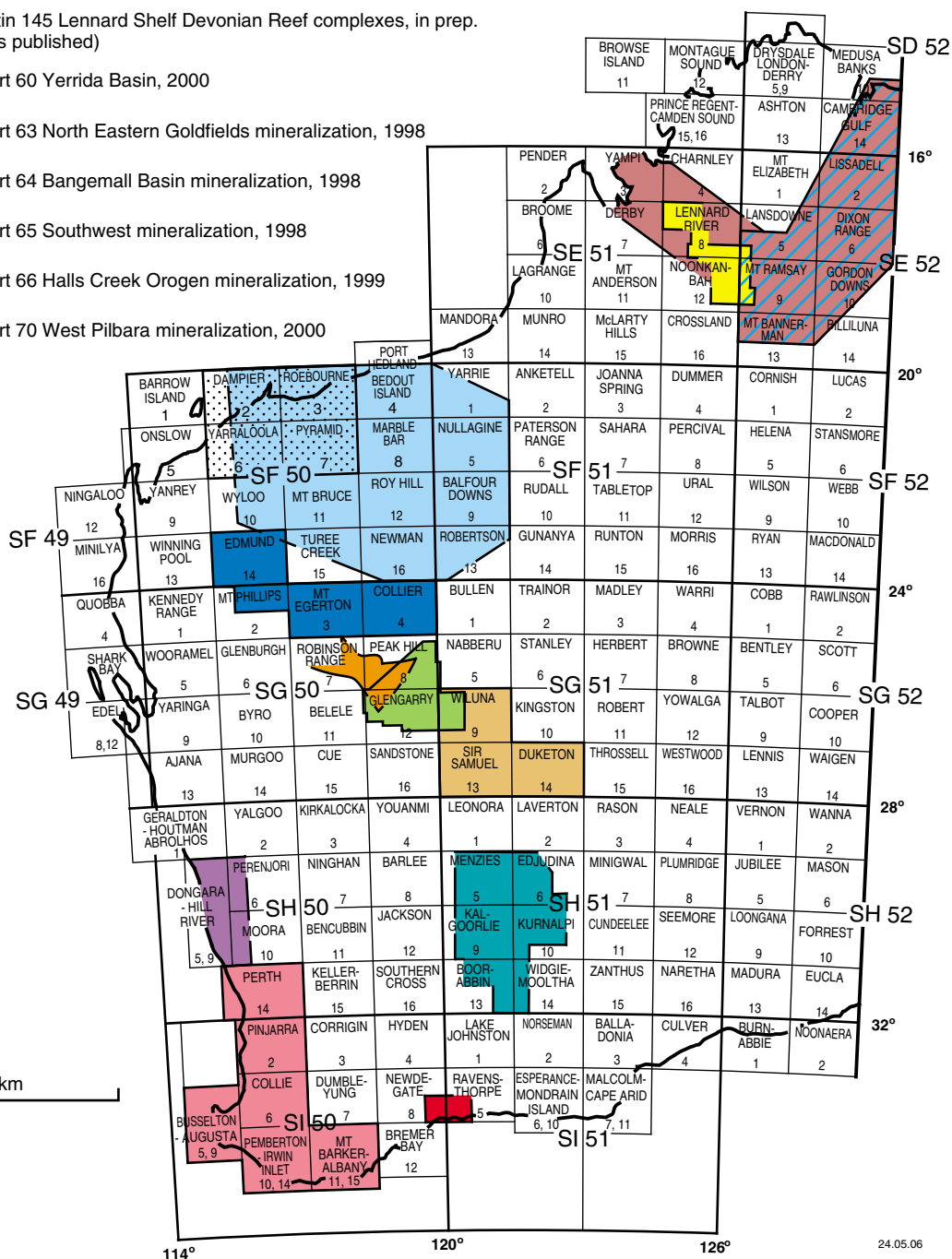
NON-SERIES MAPS 2000–2005 (Sheet 2 of 6)

- | | | | |
|---|--|---|---|
|  | Report 85 North Kimberley mineralization, 2002 |  | Record 2002/3 Southern Cross – Esperance minerals study, 2002 |
|  | Report 74 East Kimberley mineralization, 2000 |  | Record 2000/7 Gascoyne minerals study |
|  | Report 73 Peedamullah Shelf, 2000 |  | Record 2000/14 Mid West minerals study |
|  | Mallina and Whim Creek Basins, 2003 |  | Report 88 West Kimberley mineralization, 2004 |
|  | Report 81 East Pilbara mineralization, 2001 |  | Geology and mineralization Pilbara Craton, 2002 |
|  | Report 82 Shoemaker impact structure, 2002 |  | Report 97 Paterson mineralization, 2005 |
|  | Report 78 East Yilgarn, 2000 (superseded) |  | Report 96 Earaheedy mineralization, 2005 |
|  | Report 83 East Yilgarn, 2001 (superseded) | | |
|  | Report 84 East Yilgarn 2002 (superseded) | | |
|  | 1:100 000 Geological Information Series:
East Yilgarn (replaces superseded reports) | | |
|  | Neale–Leonora Transect, 2002 | | |




















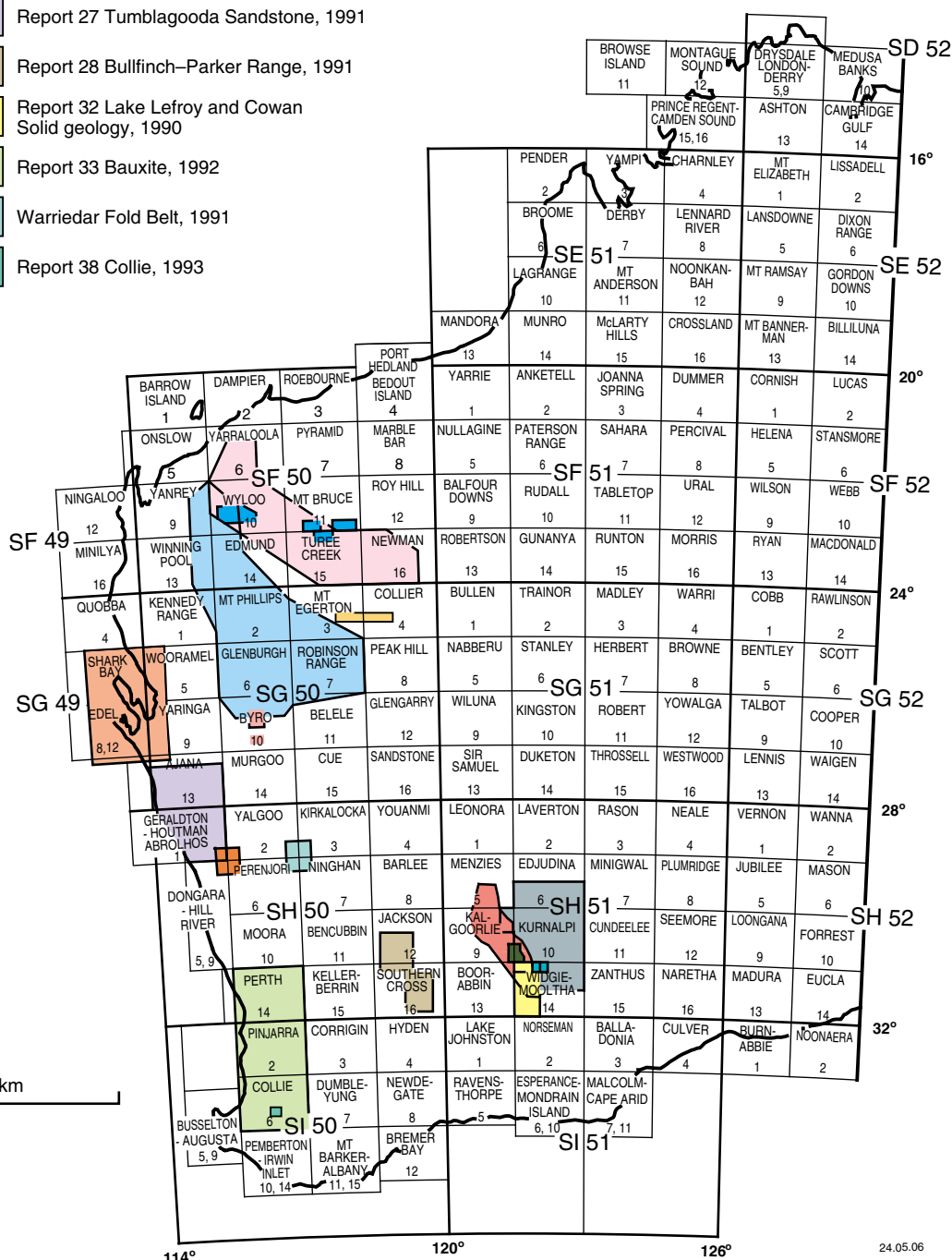
NON-SERIES MAPS 1996–2000 (Sheet 3 of 6)

-  Bulletin 143 Halls Creek and King Leopold Orogens, in prep. (maps published)
-  Report 46 Onshore northern Perth Basin, 1996
-  Report 49 Eastern Goldfields granitoids, 1997
-  Bulletin 144 Fortescue Group (maps 1998; book 2001)
-  Report 54 Ravensthorpe mineralization, 1998
-  Report 59 Bryah–Padbury Basins, 2000
-  Bulletin 145 Lennard Shelf Devonian Reef complexes, in prep. (maps published)
-  Report 60 Yerrida Basin, 2000
-  Report 63 North Eastern Goldfields mineralization, 1998
-  Report 64 Bangemall Basin mineralization, 1998
-  Report 65 Southwest mineralization, 1998
-  Report 66 Halls Creek Orogen mineralization, 1999
-  Report 70 West Pilbara mineralization, 2000

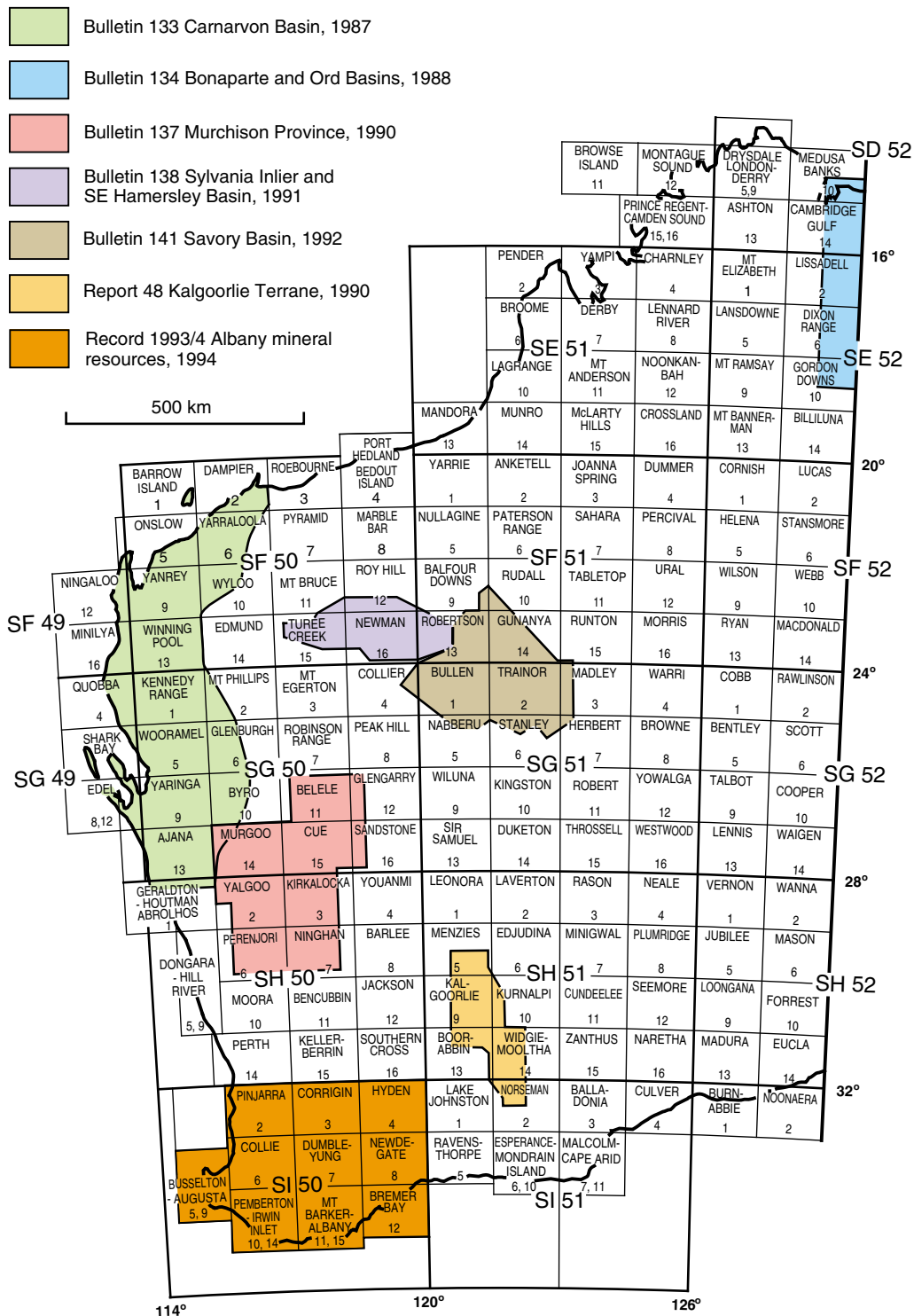


NON-SERIES MAPS 1985–96 (Sheet 4 of 6)

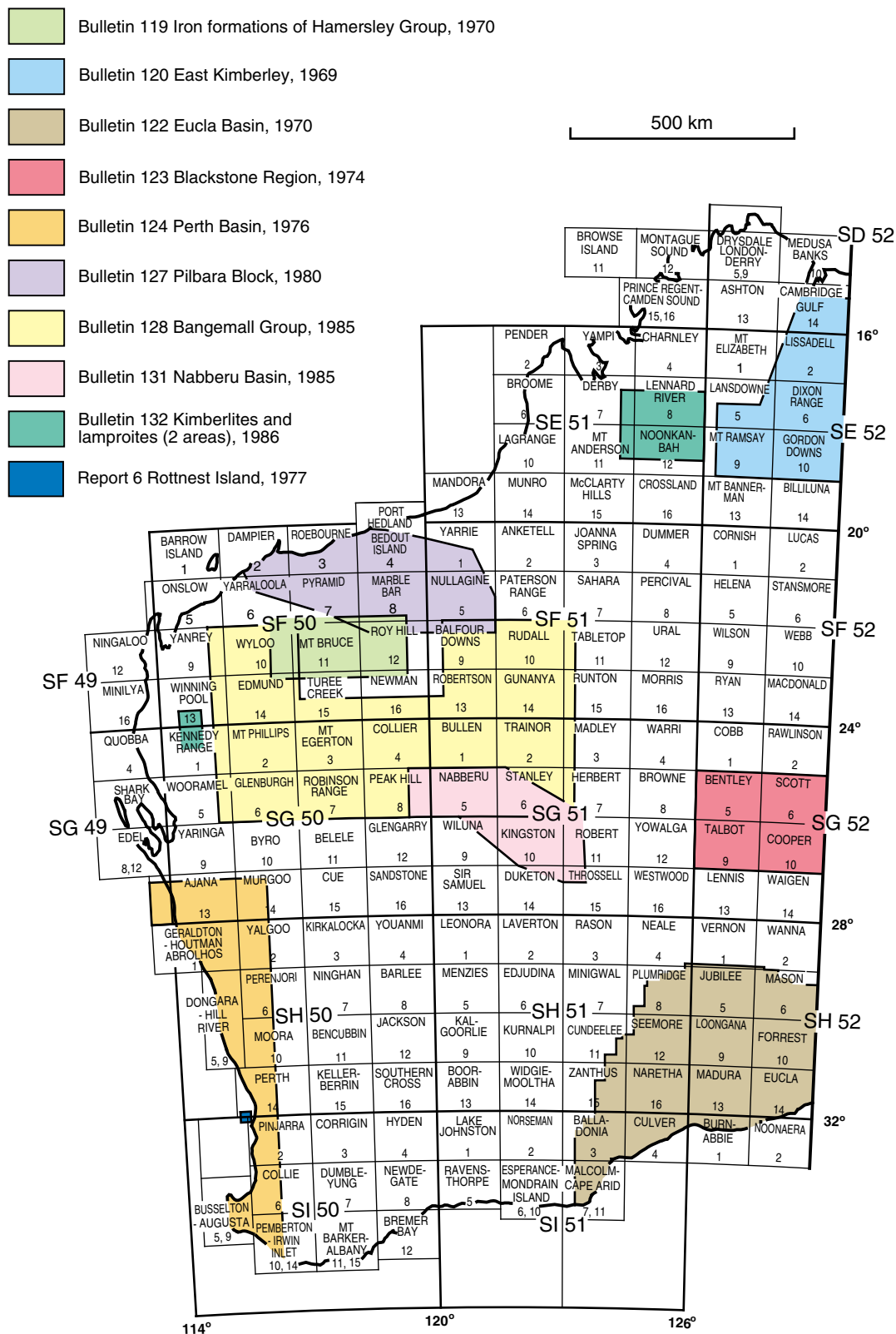
- | | | | |
|---|---|---|---|
|  | Bulletin 139 Ashburton Basin, 1991 |  | Report 39 Menzies–Kambalda, 1993 |
|  | Report 13 Fortescue Group (4 areas), 1985 |  | Report 40 Jillawarra, 1995 |
|  | Report 15 Gascoyne Province, 1986 |  | Report 44 Irwin Terrace coal, 1995 |
|  | Report 16 Mt Monger, 1986 |  | Report 47 Kurnalpi–Edjudina Terranes, 1996 |
|  | Report 21 Kalgoorlie–Boulder, 1987 |  | Record 1996/9 Shark Bay basic raw materials, 1996 |
|  | Report 22 Mt Narryer, 1987 | | |
|  | Report 27 Tumblagooda Sandstone, 1991 | | |
|  | Report 28 Bullfinch–Parker Range, 1991 | | |
|  | Report 32 Lake Lefroy and Cowan Solid geology, 1990 | | |
|  | Report 33 Bauxite, 1992 | | |
|  | Warriedar Fold Belt, 1991 | | |
|  | Report 38 Collie, 1993 | | |



NON-SERIES MAPS 1987-94 (Sheet 5 of 6)



NON-SERIES MAPS 1969–86 (Sheet 6 of 6)



JJ58

24.05.06

Resource potential for land use planning series

This series of maps is published to assist land use planning for various areas around the State, where resources are in the process of being developed or are likely to be developed in the future. The maps are at varying scales and show differing activities, but usually include geology, mineral occurrences (non-confidential data), mineral or petroleum titles or agreement acts, conservation reserves, and topographic information. These maps are available online from www.dmp.wa.gov.au/GSWApublications, or can be ordered from the Information Centre for the cost of printing.

CAPE PRESTON — Resource potential for land use planning

Scale 1:500 000; being compiled by FI Roberts **in prep.**

CAPE RANGE – NINGALOO AREA — Resource potential for land use planning

Scale 1:500 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2004**

CAPE RANGE REGION — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2004**

DAMPIER ARCHIPELAGO — Resource potential for land use planning (version 1.2)

Scale 1:100 000; compiled by CJ Kojan
Plate only, *download free from web as PDF* **2004**

EASTERN GOLDFIELDS — Resource potential for land use planning

Scale 1:600 000; compiled by FI Roberts
Plate only, *download free from web as PDF* **2005**

GINGIN AREA — Resource potential for land use planning

Scale 1:200 000; compiled by G Trench
Plate only, *download free from web as PDF* **2004**

HOPE DOWNS RAILWAY — Resource potential for land use planning

Scale 1:50 000; compiled by CJ Kojan
Plate only, *download free from web as PDF* **2004**

KALGOORLIE REGION SAND RESOURCE SURVEY— Resource potential for land use planning

Scale 1:250 000; compiled by W Ormsby
Plate only, *download free from web as PDF* **2007**

KALGOORLIE–BOULDER TOWNSITE — Resource potential for land use planning

Scale 1:25 000; compiled by CJ Kojan
Plate only, *download free from web as PDF* **2007**

KWINANA – EAST ROCKINGHAM — Strategic industrial area

Scale 1:25 000; compiled by GSWA
Plate only, *download free from web as PDF* **2005**

LAKE MacLEOD AREA — Resource potential for land use planning

Scale 1:500 000; compiled by FI Roberts
Plate only, *download free from web as PDF* **2004**

MID WEST REGION — Resource potential for land use planning

Scale 1:1 000 000; compiled by CJ Kojan
Plate only, *download free from web as PDF* **2005**

MOUNT MANNING RANGE REGION — Resource potential for land use planning

Scale 1:500 000; compiled by MJ Freeman and CJ Kojan
Plate only, *download free from web as PDF* **2005**

NORTHWEST KIMBERLEY BAUXITE PROVINCE — Resource potential for land use planning

Scale 1:500 000; compiled by FI Roberts
Plate \$11.00 incl. GST
or download free from web as PDF **2009**



RAVENSTHORPE DISTRICT — Resource potential for land use planning

Scale 1:15 000; compiled by LY Hassan
Plate only, *download free from web as PDF* **2004**

SHIRE OF RAVENSTHORPE — Resource potential for land use planning

Scale 1:250 000; compiled by CJ Kojan
Plate only, *download free from web as PDF* **2008**



TITANIUM–ZIRCON MINERALIZATION BUNBURY, Sheet 2031 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

TITANIUM–ZIRCON MINERALIZATION BUSSELTON–CLAIRAUT, Sheet 1930, part Sheet 1830 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

TITANIUM–ZIRCON MINERALIZATION DONNELLY–MEERUP Part Sheets 2029, 2028 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

TITANIUM–ZIRCON MINERALIZATION DONNYBROOK, Sheet 2030 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

TITANIUM–ZIRCON MINERALIZATION FREMANTLE–JARRAHDALE, Sheet 2033, part Sheet 2133 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

TITANIUM–ZIRCON MINERALIZATION LEEUWIN–TOOKER Sheet 1929, part Sheet 1829 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman
Plate only, *download free from web as PDF* **2007**

Resource potential for land use planning series

TITANIUM–ZIRCON MINERALIZATION PINJARRA, Sheet 2032 — Resource potential for land use planning

Scale 1:100 000; compiled by MJ Freeman

Plate only, *download free from web as PDF* **2007**

TOODYAY AREA — Resource potential for land use planning

Scale 1:200 000; compiled by M J Freeman

Plate only, *download free from web as PDF* **2004**



WESTERN AUSTRALIA

**Established and proposed Aboriginal land, conservation
estate, mineral and petroleum titles, and geology —
Western Australia**

Scale 1:2 500 000; compiled by I Roberts

Map \$11.00 incl. GST **2009**
or download free from web as PDF file

JA Hallberg contributions

Dr Jack Hallberg (formerly with CSIRO) undertook geological mapping in the Yilgarn Craton in the 1980s and 1990s and has subsequently made available to GSWA the results of his mapping, including geological maps at 1:50 000 and 1:25 000 scale, geochemical data, digital data, and his geological mapping notes. The data for several projects are listed below.

GSWA has purchased the joint copyright to the Hallberg Murchison geology dataset from Hallberg Mapping Services Proprietary Limited to make it more widely available to the exploration industry at a nominal cost. This geology dataset at 1:25 000 scale presents the results of Dr Hallberg's regional geological field mapping of the northern part of the Murchison Province of the Yilgarn Craton. Historically, the Murchison region has been a substantial producer of gold and remains highly prospective for further major discoveries. The Murchison dataset includes 78 detailed 1:25 000 maps, available as TIFF and PDF images, showing the outcrop geology, together with much subcrop and subsurface information, and includes all the major mining centres in the Murchison region, except Mount Magnet. Six reports accompany the maps, reproduced in the dataset in PDF format as GSWA Record 2000/20 (now superseded, see below). Coloured 1:100 000 interpreted geology maps are provided in GIS, EPS plotfile, and PDF formats. See *Fieldnotes* no. 19 for more information.

Geology and mineral deposits of the Leonora–Laverton area, northeastern Yilgarn Block, Western Australia

by JA Hallberg (published by Hesperian Press)

Hardback \$38.50 incl. GST

Paperback \$27.50 incl. GST

1985

Set of 16 geological maps, 1:50 000 scale, to accompany the above book:

Paper copies \$121.00 incl. GST

Polyester copies \$302.50 incl. GST

1985

Digital information available from B Fehlberg

(mobile phone 0419 900 132 or email barry@stratmin.com.au)

Geochemical data for greenstones and related rocks of the Yilgarn Craton, compiled from various sources

by JA Hallberg

Excel spreadsheet of geochemical data on CD in .csv format

Disk only \$55.00 incl. GST

1999

Notes to accompany the Hallberg Murchison geology dataset 1989–94 (GSWA Record 2000/20, now superseded)

by JA Hallberg

Covers parts of the following 1:250 000 sheets: BELELE,

GLENGARRY, CUE, and SANDSTONE

This information (formerly published separately on CD) is now available as part of the Murchison Geological Exploration Package and Geological Information Series (see **Digital packages**, above)

DVD (Record 2004/19)

superseded

DVD (Record 2006/2)

superseded

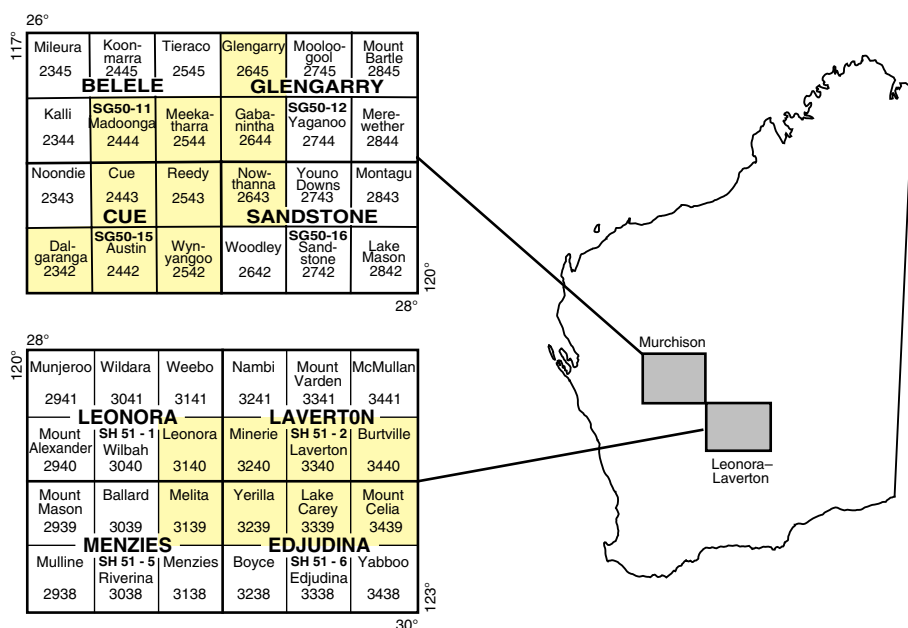
DVD (1:100 000 Geological Information Series) **June 2007**

DVD update Feb 2009

in prep.

(The Hallberg dataset consists of 78 geological maps, 6 reports, 10 interpreted geology maps and a GIS dataset. Hardcopy of the reports and maps may be ordered and will be printed as required)

MAPPING BY J.A.HALLBERG: LEONORA–LAVERTON AND MURCHISON AREAS



JJ43

03.11.06

Aeromagnetic data, maps, and images

Airborne geophysical data have been acquired by the GSWA in its own right and in conjunction with Geoscience Australia (GA). Outputs, scales and prices vary. **Hardcopy** maps and images for the projects listed may be ordered from DMP's Information Centre. Index maps of the various projects are shown on the adjoining pages.

Digital data for all airborne surveys flown by GSWA, GA, or GSWA–GA may be downloaded free of charge as GA now provides free online access to geophysical data from their Geophysical Archive Data Delivery System at www.ga.gov.au/gadds. This is in line with the Australian Government's spatial data access and pricing policy. **Digital data** may also be purchased from the GA Sales Centre, phone: +61 2 6249 9519; or fax: +61 26249 9982; email: sales@ga.gov.au; website: www.ga.gov.au/sales; or contact Murray Richardson +61 2 6249 9229, murray.richardson@ga.gov.au for specific enquiries. Some **digital data** may also be purchased from GSWA. Contact the GSWA **Digital Data Administrator** (see page 3 for details). Prices are: \$99.00 per disk of digital data.

Airborne surveys undertaken over Western Australia are registered in the MAGIX database (Minerals Airborne Geophysics Information eXchange). MAGIX is at: www.dmp.wa.gov.au/magix. Also go to: www.dmp.wa.gov.au >Geological Survey WA >Prospectivity >Regional Geophysical Surveys for information on geophysical surveys.

Prices are as follows (except where marked otherwise):

Free data: download from www.ga.gov.au/gadds
or access **MAGIX** (as above)
Data on disk from GA: \$99.00 incl. GST per disk
Open-file data on disk from MAGIX:
\$55.00 incl. GST per disk
Image: \$11.00 incl. GST per image

Note that the magnetic data are listed in the following order:

- State magnetics
- 1:500 000 series
- Projects at other scales
- 1:250 000 sheets
- .ecw images

STATE MAGNETICS



Magnetic anomaly grids (80 m) of Western Australia, Version 1
2008

Magnetic anomaly map of Western Australia (1:2 500 000)
by TE Mackey, AJ Meixner and PR Milligan (GA) **2005**

Per image \$11.00 incl. GST

Download digital data from gadds (see above) free
Digital data, disk from Geoscience Australia \$99.00 incl. GST

1:500 000 SERIES

Total Magnetic Intensity (TMI) images in colour and, where available, First Vertical Derivative (FVD) images in grey scale, are available at 1:500 000 scale for the following regions. For details of each project see the adjacent listings:

BANGEMALL–GASCOYNE REGION

EARAHEEDY BASIN

EAST MURCHISON

EAST YILGARN

NORTH GASCOYNE

PEAK HILL – GLENGARRY

WEST PILBARA

WEST TANAMI

YANDAL GREENSTONE BELT

Bangemall–Gascoyne region

Total Magnetic Intensity image (1:500 000)
(parts of SF50-14, SG50-1, 2, 3, 4, 5, 6, 7, 8) **2000**

Earaheedy Basin

Total Magnetic Intensity image (1:500 000)
(SG51-5, -6, -9, -10, -11, -15, part of SG51-14) **2000**

East Murchison

TMI (colour) of ten 1:250 000 sheets to form a composite 1:500 000 image. Project covers the following sheets:

ROBINSON RANGE, PEAK HILL, BELELE, GLENGARRY, CUE, SANDSTONE, KIRKALOCKA, YOUANMI, NINGHAN, and BARLEE (sheets SG50-7, -8, -11, -12, -15, -16, and SH50-3, -4, -7, -8) **2005**

East Yilgarn

Total Magnetic Intensity (TMI) image in colour of seven 1:250 000 sheets stitched together to make a composite 1:500 000 image. Also see DMP website for .ecw images (including radiometrics) to download. Fieldnotes nos 37 and 39 have more details and release dates. Project covers the following sheets:

RASON, NEALE, MINIGWAL, PLUMRIDGE, CUNDEELEE, SEEMORE AND ZANTHUS (sheets SH51-7, SH51-11, and part sheets SH51-3, SH51-4, SH51-8, SH51-12, SH51-15)

First edition released June **2006**

Radiometrics released **2007**

North Gascoyne

Total Magnetic Intensity (TMI) image in colour of six 1:250 000 sheets stitched together to make a composite 1:500 000 image. Fieldnotes no. 37 and no. 39 have more details and release dates. Project covers the following sheets:

ONSLow, YARRALOOA, YANREY, WYLOO, WINNING POOL, EDMUND (part sheets SF50-5, SF50-6, SF50-9, SF50-10, SF50-13, SF50-14)

First edition released June **2006**

Radiometrics released **2007**

Aeromagnetic data, maps, and images

Peak Hill – Glengarry

Total Magnetic Intensity (TMI) (colour) and First Vertical Derivative (FVD) (grey scale) images of each sheet at 1:250 000, or a composite at 1:500 000 scale. This project covers the following sheets:

PEAK HILL SG50-8, (and parts of **ROBINSON RANGE** SG50-7 and **NABBERU** SG51-5) **1995**
GLENGARRY SG50-12 **1995**

West Pilbara — images

TMI (colour), total count radiometrics, ternary RGB radiometrics (Potassium, Thorium, Uranium) — three separate images of the project area at two scales 1:250 000 and 1:500 000. Project covers parts of the following 1:250 000 sheets:

DAMPIER, ROEBOURNE, YARRALOOLA, and PYRAMID
 (parts of sheets SF50-2, -3, -6, -7) **1996**

West Tanami

Total Magnetic Intensity image (1:500 000)
 Composite image covering the following 1:250 000 sheets:

BILLILUNA, PART GORDON DOWNS, PART LUCAS
 SE52-14, SE52-10, SF52-2 **2003**

Yandal greenstone belt

Total Magnetic Intensity image (1:500 000)
 (SG51-5, -6, -9, -10, -13, -14, SH51-1, -2) **2000**

PROJECTS AT OTHER SCALES

Aeromagnetic features maps (North Eastern Goldfields)

Interpreted aeromagnetic features maps at 1:250 000 and 1:100 000 scale are available as polyester overlays (no digital data available). Project covers the following sheets:

DUKETON SG51-14 **1995**
SIR SAMUEL SG51-13 **1994**
WILUNA SG51-9 **1996**

Burakin region

Airborne geophysical data over the Burakin area comprising magnetic, gamma-ray, and elevation located data and grids (parts of SH-50-7, -10, -11, -14, -15) **released Feb 2004**

Eastern Goldfields

Aeromagnetic data surveyed and compiled by World Geoscience Corporation have been released as 1:100 000 scale TMI contour maps. Digital data are available only from Fugro Airborne Surveys. Project covers the following sheets:

BARDOC SH51-9-3137 **1992/1996**
CAVE HILL–COWAN–YARDINA area SH51-14-3234;
 parts of SH51-13-3134, and SH51-14-3334 **1992**
DAVYHURST SH51-9-3037 **1992**
DUNNSVILLE–WOOLGANGIE area SH51-9-3036,
 part of SH51-13-3035 **1992**

GINDALBIE SH51-10-3237 **1996**
KALGOORLIE SH51-9-3136 **1992**
KANOWNA SH51-10-3236 **1992/1996**
KURNALPI SH51-10-3336 **1996**
LAKE LEFROY SH51-14-3235 **1992**
LEONORA area parts of SH51-1-3140, SH51-2-3240,
 SH51-5-3139, SH51-6-3239 **1992**
MELITA SH51-5-3139 **1996**
MENZIES SH51-5-3138 **1992/1996**
MULGABBIE SH51-10-3337 **1996**
MULLINE–RIVERINA area parts of SH51-5-3038, -2938 **1992**
NORSEMAN–BULDANIA area SI51-2-3233, part of -3333 **1992**
PINJIN SH51-10-3437 **1996**
ROE SH51-10-3436 **1996**
YILMIA part SH51-13-3135 **1992**

\$495.00 incl. GST per set of 18 sheets

For digital data, contact Fugro Airborne Surveys
 phone +61 8 9273 6400, fax +61 8 9273 6466,
 email: info@fugroairborne.com.au

Merlinleigh Sub-basin

TMI (colour), FVD of TMI (colour), radiometrics, and ternary radiometrics with digital terrain — four separate images at 1:250 000 scale. Project covers parts of the following 1:250 000 sheets:

WINNING POOL, KENNEDY RANGE, MOUNT PHILLIPS, WOORAMEL, and GLENBURGH
 (part sheets SF50-13, SG50-1, -2, -5, -6) **1996**

Murchison

Aeromagnetic data surveyed and compiled at 1:50 000 scale by World Geoscience Corporation have been released as 1:100 000 scale TMI contour maps. Digital data are available only from Fugro Airborne Surveys. Project covers the following sheets:

AUSTIN–WYNYANGOO parts of SG50-15-2442, -2542 **1992**
CUE part of SG50-15-2443 **1992**
MADOONGA–KOONMARRA parts of SG50-11-2444, -2445 **1992**
MEEKATHARRA–GABANINTHA–TIERACO–GLENGARRY
 SG50-11-2544, parts of SG50-11-2545, SG50-12-2644, -2645 **1992**
MOUNT MAGNET–CHALLA–KIRKALOCKA
 SH50-3-2441, parts of SH50-3-2440, -2541 **1992**
REEDY part of SG50-15-2543 **1992**

\$165.00 incl. GST per set of 6 sheets

For digital data, contact Fugro Airborne Surveys
 phone +61 8 9273 6400, fax +61 8 9273 6466,
 email: info@fugroairborne.com.au

North Eastern Goldfields

TMI (colour) hardcopy images are available as composites at 1:250 000 scale, or as individual 1:100 000 sheets. FVD (grey scale) hardcopy images are only available as composites at 1:250 000 scale. Project covers the following sheets:

DUKETON SG51-14 **1995**
SIR SAMUEL SG51-13 **1996**
WILUNA SG51-9 **1996**

Aeromagnetic data, maps, and images

Paterson (North and South)

High-resolution airborne magnetic, gamma-ray spectrometric, and elevation data from the northern block (400-m line spacing) were released in October 2005. Survey data from the southern block was released in August 2006.

TMI, DEM, and ternary radiometric images in .ecw format may be downloaded from the web at: [www.dmp.wa.gov.au/GSWA/Maps and Images](http://www.dmp.wa.gov.au/GSWA/Maps%20and%20Images). Project covers parts of SF51-5, -6, -10, -11). See *Fieldnotes* no. 37 for more details and final release dates.

Northern block released December 2005

Southern block released August 2006

Pilbara (east Pilbara)

Under the NGA, GSWA and GA have jointly acquired airborne data for the eastern Pilbara. TMI images (in colour) are available from GA at 1:250 000 and 1:100 000 scale. Project covers the following 1:250 000 sheets:

MARBLE BAR SF50-4	GA 1997
NULLAGINE part only of sheet SF51-5	GA 1997
YARRIE part sheet SF51-1	GA 1997
PORT HEDLAND SF50-4	GA 1997

TMI at 1:100 000 scale for each of the following sheets (parts of YARRIE and NULLAGINE 1:250 000 sheets) are available from DMP; also a composite at 1:250 000 scale of these four:

EASTERN CREEK SF51-5-3054	1997
MOUNT EDGAR SF51-5-2955	1997
MUCCAN SF51-1-2956	1997
NULLAGINE SF51-5-2954	1997

Pilbara (north Pilbara)

Atlas of North Pilbara Geology and Geophysics. A2-size Atlas of images and maps of the north Pilbara at a scale of 1:1 500 000, published by Geoscience Australia as GA Record 2000/04, \$55.00 inc. GST from GA (and available for perusal in DMP library) **2000**

Pilbara (west Pilbara) — contour maps

TMI contour maps of eight 1:100 000 sheets in the west Pilbara project are available. Project covers the following sheets:

COOYA POOYA SF50-7-2355	1997
DAMPIER SF50-2-2256	1997
FORTESCUE SF50-6-2155	1997
MOUNT WOHLER SF50-7-2455	1997
PINDERI HILLS SF50-6-2255	1997
PRESTON SF50-2-2156	1997
ROEBOURNE SF50-3-2356	1997
SHERLOCK SF50-3-2456	1997

South Yilgarn

High-resolution airborne magnetic, gamma-ray spectrometric, elevation data, and located grids for Blocks A, B, C and D. See *Fieldnotes* no. 34 for more details. Includes part of:

KELLERBERRIN (SH50-15), and whole of SOUTHERN CROSS (SH50-16), HYDEN (SI50-4), NEWDEGATE (SI50-8), BREMER BAY (SI50-12), BOORABBIN (SH51-13), LAKE JOHNSTON (SI51-1) and RAVENSTHORPE (SI51-5) **2005**

West Kalgoorlie

High-resolution airborne magnetic, gamma-ray spectrometric, and elevation data. See *Fieldnotes* no. 34 for more details (western part of SH51-9) **2005**

West Musgrave

Total Magnetic Intensity image (1:250 000)
Ternary Radiometric image — Potassium, Uranium, Thorium as red, green, blue (1:250 000)
SG52-6, -10 **2003**

West Tanami

Total Magnetic Intensity image (1:250 000)
Ternary Radiometric image — Potassium, Uranium, Thorium as red, green, blue (1:250 000)
SE52-14, parts of SE52-10, SF52-2 **2003**

Wolfe Creek Crater

Wolfe Creek Crater airborne magnetic and radiometric data (located within BILLILUNA SE52-14-4459) (detailed 50-m line spacing, point located and gridded) **2003**

Yarragadee survey

The Yarragadee Airborne Survey was flown in January 2003 for the Water Corporation. Some 18 714 line km of magnetic, radiometric, and digital elevation data were collected along east/west flight lines at 200-m line spacing. Digital data released December 2003. **2003**

1:250 000 SHEETS

Barlee 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium as red, green, blue
Sheet SH50-8 **2000**

Belele 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium as red, green, blue
Sheet SG50-11 **2004**

Boorabbin 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34 for more details
Sheet SH51-13 **2005**

Aeromagnetic data, maps, and images

Bremer Bay 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SI50-12

2005

Cue 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SG50-15

2005

Dumbleyung 1:250 000 sheet (Nyabing)

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of Block E of South Yilgarn region data release. See
Fieldnotes no. 34 for more details
Part sheet SI50-7

2005

Hyden 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SI50-4

2005

Jackson 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SH50-12

2003

Kalgoorlie 1:250 000 sheet

(see West Kalgoorlie project)

Kellerberrin 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SH50-15

2005

Kirkalocka 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SH50-3

2005

Lake Johnston 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SI51-1

2005

Laverton 1:250 000 sheet

Total Magnetic Intensity image (available from GA)
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SH51-2

2000

Leonora 1:250 000 sheet

Total Magnetic Intensity image (available from GA)
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SH51-1

2000

Mount Phillips 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SG50-2

2000

Newdegate 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SI50-8

2005

Ninghan 1:250 000 sheet

High-resolution airborne magnetic, gamma-ray spectrometric
and elevation data
Sheet SH50-7

2005

Ravensthorpe 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet SI51-5

2005

Robinson Range 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SG50-7

2004

Sandstone 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SG50-16

2001

Southern Cross 1:250 000 sheet

High-resolution airborne magnetic, gamma-ray spectrometric
and elevation data
Part of South Yilgarn region data release. See *Fieldnotes* no. 34
for more details
Sheet: part SH50-16, western part SH50-15

2005

Aeromagnetic data, maps, and images

Stanley 1:250 000 sheet

Total Magnetic Intensity image
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SG51-6

2001

Youanmi 1:250 000 sheet

Total Magnetic Intensity image (1:250 000)
Ternary Radiometric image — Potassium, Uranium, Thorium
as red, green, blue
Sheet SH50-4

2001

ECW IMAGES ON WEBSITE

From 2006 on, geophysical maps and images are available on DMP's website as .ecw images at: www.dmp.wa.gov.au/GSWA >Prospectivity >Regional Geological Surveys. Purchase or download of data from Geoscience Australia or gadds is available in the usual manner (as noted above). DMP's GIS-based register and index of geophysics is accessible via: www.dmp.wa.gov.au/magix. The following images are available:

Ashburton Basin

This release combines grids and images of the new data merged with previously flown data from government and non-confidential company surveys. The DEM image is from new data merged with SRTM data. There are also total magnetic intensity (TMI) and ternary radiometric images.

Sheets: parts of WYLOO SF50-10; EDMUND SF50-14; TUREE CREEK SF50-15; ROY HILL SF50-12; NEWMAN SF50-16; MT EGERTON SG50-3; COLLIER SG50-4

Images (ecw) available online (and details of the survey)

2007

Byro

Grids and images of data from the Byro 2008 survey (line spacing: 400 m; height: 60 m; direction: E-W) merged with previously flown data from government and non-confidential company surveys. TMI, DEM, and Ternary radiometrics of K, Th, U.

Sheets: BYRO SG50-10; and parts of GLENBURGH SG50-6; WOORAMEL SG50-5; AND YARINGA SG50-9

Images (ecw) available online (and details of the survey)

2008

Dumbleyung

See information online on two separate surveys merged with previously released company data.

Sheet: DUMBLEYUNG SI50-7

Images (ecw) available online (and details of the survey)

2009

Esperance and Balladonia

Final images and grids acquired between January and October 2008 (400-m line spacing) merged with previously available data.

Sheets: ESPERANCE-MONDRAIN ISLAND SI51-6,10; MALCOLM-CAPE ARID SI51-7, 11; parts of BALLADONIA SI51-3; NORSEMAN SI51-2; ZANTHUS SH51-15; WIDGIEMOOLTHA SH51-14

Images (ecw) available online (and details of the survey)

2009

South Kimberley

Final images and grids of data acquired between January and October 2008 (400 m line spacing) merged with previously flown company data.

Sheets: MOUNT RAMSAY SE52-9; LANSDOWNE SE52-5; and parts of LENNARD RIVER SE51-8; NOONKANBAH SE51-12; MOUNT BANNERMAN SE52-13

Images (ecw) available online (and details of the survey)

2008

HARDCOPY AEROMAGNETIC AND RADIOMETRIC DATA

1:100 000 scale

Aeromagnetic contour maps (1:100 000)

Peak Hill–
Glengarry

500 km

1:250 000 scale

TMI and Radiometrics

West
Tanami

In preparation

East Yilgarn

1:500 000 scale

Yandal belt and regions

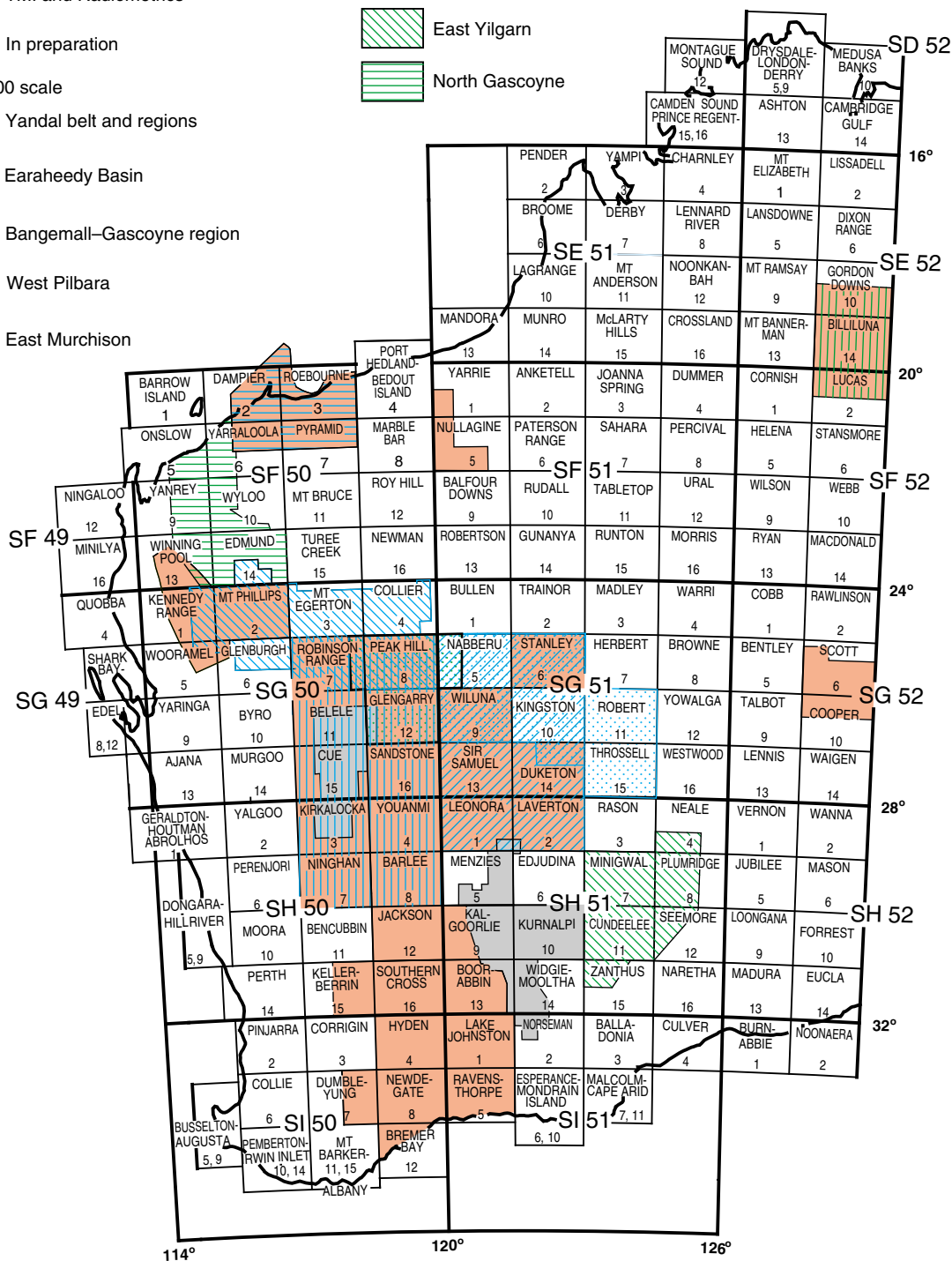
North Gascoyne

Earaheedy Basin

Bangemall–Gascoyne region

West Pilbara

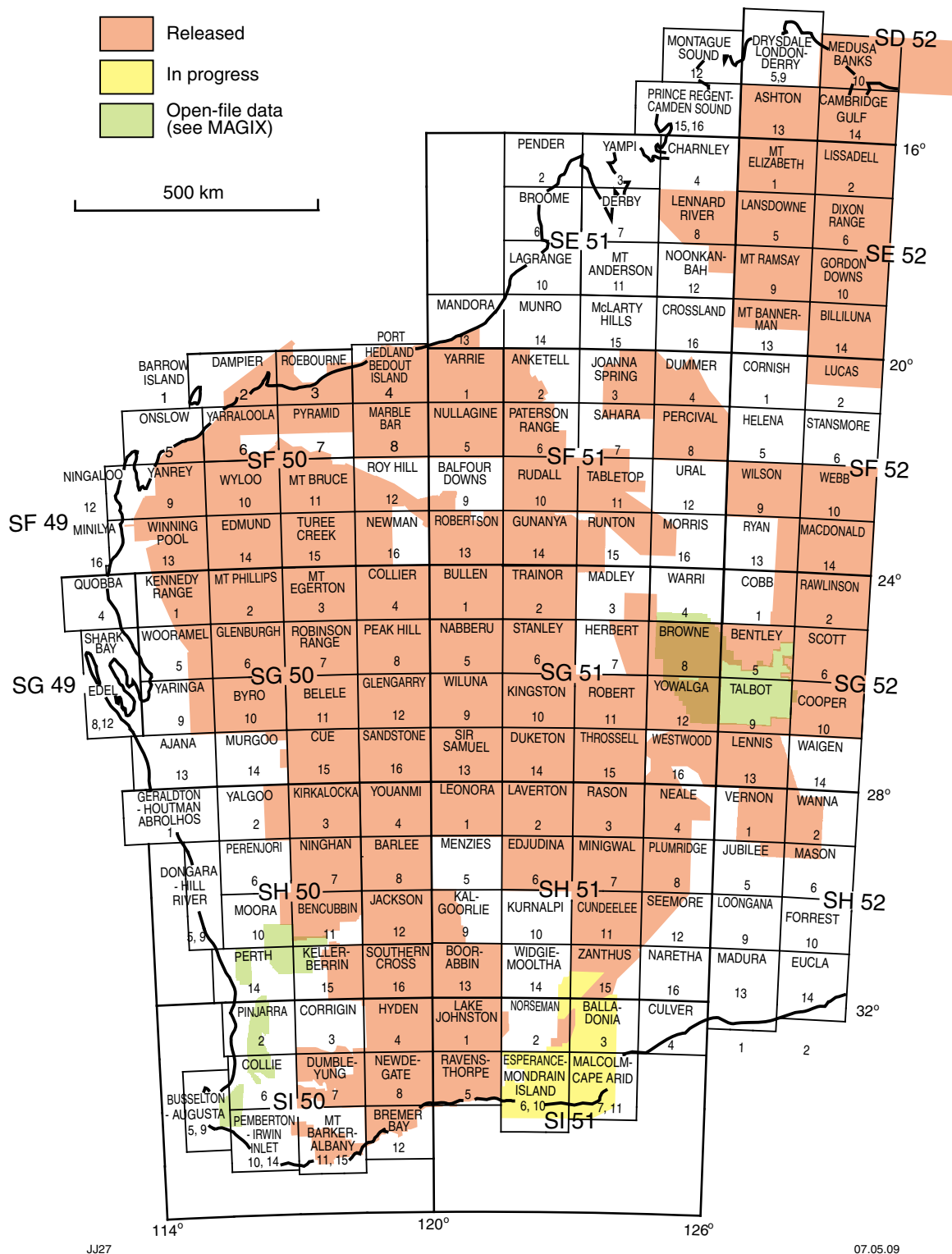
East Murchison



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21.09.06

DIGITAL AEROMAGNETIC DATA ≤ 500 m LINE SPACING



Gravity data, maps, and images

Bouguer anomaly contour maps and Bouguer anomaly images at 1:250 000 scale are available in hardcopy and/or digital format for the areas listed below. Station locations are available as separate sheets. An index map of the various projects is shown overleaf.

Digital data availability for each of the products is listed. Contact the GSWA **Digital Data Administrator** (details on page 3) for GSWA data. For Geoscience Australia (GA) data, contact GA Sales Centre, phone: +61 2 6249 9519; or fax: +61 26249 9982; email: sales@ga.gov.au; website: www.ga.gov.au/sales, or Murray Richardson +61 2 6249 9229 for specific enquiries. GA charges \$99.00 incl. GST per CD of data, which covers the gravity data for the whole of Australia. GA now provides free online access to geophysical data, in line with the Australian Government's spatial data access and pricing policy, from their Geophysical Archive Data Delivery System at www.ga.gov.au/gadds.

Prices are as follows (except where marked otherwise):

Free data: download from www.ga.gov.au/gadds
 Data on disk (from GA): \$99.00 incl. GST per disk
 Image (from GSWA): \$11.00 incl. GST per image

Note that the gravity data are listed in the following order:

- State gravity
- Projects at various scales
- 1:250 000 sheets.

STATE GRAVITY

Bouguer gravity anomaly image of Western Australia as .ecw file December 2005.

Image (.ecw) available online, together with explanatory information about grids and data quality. Data and grids from GA, or download free from gadds

2005

Gravity anomaly map of Western Australia (1:2 500 000) by AS Murray and PR Milligan (Geoscience Australia)

Map \$55.00 incl. GST (now superseded)

2001

*Digital image is available for public viewing as
 ER mapper grids in DMP library*

PROJECTS AT VARIOUS SCALES

North Eastern Goldfields

DUKETON 1:250 000 Bouguer anomaly map/station locations map SG51-14. Paper copy \$11.00 incl. GST

1994

LAVERTON 1:250 000 Bouguer anomaly map/station locations map SH51-2. Paper copy \$11.00 incl. GST

1993

LEONORA 1:250 000 Bouguer anomaly map/station locations map SH51-1. Paper copy \$11.00 incl. GST

1993

SIR SAMUEL 1:250 000 Bouguer anomaly map/station locations map SG51-13. Paper copy \$11.00 incl. GST

1994

WILUNA 1:250 000 Bouguer anomaly map/station locations map SG51-9. Paper copy \$11.00 incl. GST

1994

Carnarvon/Perth Basins

Giralia

Bouguer gravity image and FVD of Bouguer gravity image. Two separate images in colour at 1:250 000 scale cover the following sheet areas.

NINGALOO, YANREY, MINILYA, WINNING POOL
 part sheets SF49-12, -16, SF50-9, -13

1997

Merlinleigh Sub-basin

Bouguer gravity image and FVD of Bouguer gravity image. Two separate images in colour at 1:250 000 cover the following sheet areas.

WINNING POOL, KENNEDY RANGE, MOUNT PHILLIPS, WOORAMEL, GLENBURGH

part sheets SF50-13, SG50-1, -2, -5, -6

1996

Onshore central Southern Carnarvon Basin

Bouguer gravity image and FVD of Bouguer gravity image. Two separate images in colour at 1:500 000 cover the following sheet areas.

MINILYA, WINNING POOL, EDMUND, QUOBBA, KENNEDY RANGE, MOUNT PHILLIPS, SHARK BAY, WOORAMEL, GLENBURGH, EDEL YARINGA, BYRO part sheets SF49-16, SF50-13, -14, SG49-4, -8, -12, SG50-1, -2, -5, -6, -9, -10

second edition 1998

Southern Carnarvon and northern Perth Basins

Bouguer gravity image and FVD of Bouguer gravity image. Two separate images in colour at 1:500 000 cover the following sheet areas.

EDEL, YARINGA, BYRO, ZUYTDORP, AJANA, MURGOO, HOUTMAN ABROLHOS, GERALDTON, YALGOO, ZEEWYJK, DONGARA, PERENJORI part sheets SG49-12, -16, SG50-9, -10, -13, -14, SH49-4, -8, SH50-1, -2, -5, -6

second edition 1998

Eastern Savory Basin

Bouguer gravity image and FVD of Bouguer gravity image. Two separate images in colour at 1:250 000.

RUNTON, GUNANYA, TRAINOR, MADLEY, STANLEY part sheets SF51-14, -15, SG51-2, -3, -6

1996

Southwest

Bouguer anomaly maps at 1:100 000 scale (with accompanying Record) are available for the following areas and at prices listed. See location map adjacent.

BRIDGETOWN 1:100 000 Bouguer anomaly map SI50-6-2130
 Record 1988/2 \$7.15 incl. GST

1988

COLLIE BASIN and adjoining areas 1:100 000 Bouguer anomaly map SI50-6-2131

Record 1990/9 \$9.90 incl. GST

1990

DARKAN 1:100 000 Bouguer anomaly map SI50-6-2231

Record 1992/16 \$8.80 incl. GST

1992

DINNINUP 1:100 000 Bouguer anomaly map SI50-6-2230

Record 1991/4 \$8.80 incl. GST

1991

QUONGERING gravity low 1:100 000 Bouguer anomaly map
 Parts of SI50-6-2230, SI50-7-2330

Record 1992/2 \$8.80 incl. GST

1992

(continued)

Gravity data, maps, and images

A located-point dataset for these surveys is available on disk, containing latitude, longitude, elevation, and gravity value for each station.

Price

\$99.00 incl. GST

Fraser Range

In 2000, gravity measurements were compiled into a Bouguer gravity image at 1:250 000 scale for six 1:100 000 sheets forming part of the Albany–Fraser Orogen. The geophysical work was undertaken in conjunction with helicopter-supported regolith sampling. The Bouguer gravity image covers the following 1:100 000 sheets:

ZANTHUS SH51-15-3635; **COONANA** SH51-15-3535; **SYMONS HILL** SH51-15-3534; **YARDILLA** SH51-14-3434; **HARMS** SI51-3-3533; **FRASER RANGE** SI51-2-3433 **2000**
See also Record 2000/15

Paterson gravity survey

New release of point-located data and grids for the Paterson region. Dataset includes 4544 stations (2.5 km × 2.5 km) and 308 stations (2 km × 2 km). Bouguer gravity and First Vertical Derivative data. Images in .ecw format are available for download through the Geological Survey's Maps and Images page at: www.dmp.wa.gov.au/gswa > **Maps and Images**. See *Fieldnotes* no. 37 for more details. The survey is of the following 1:250 000 sheets:

YARRIE SF51-1; **ANKETELL** SF51-2; **NULLAGINE** SF51-5; **PATERSON RANGE** SF51-6; **BALFOUR DOWNS** SF51-9; **RUDALL** SF51-10 **2005**

South Dongara (1:100 000)

Gravity measurements have been compiled into a Bouguer gravity image, and a residual of the Bouguer gravity at 1:100 000 scale. Sheets: **ARROWSMITH** SH50-5-1938 and **MINGENEW** SH50-5-1939
Two images **2002**


Waigen survey

Gravity measurements have been compiled onto a floppy disk of point-located data covering the Waigen Sub-basin.
Sheets: **COOPER** SG52-10; **WAIGEN** SG52-14
Point-located data and Record 1999/8, \$22.00 incl. GST **1999**

Windimurra (extension of Murchison survey)

Final images and grids of data from regional ground gravity survey (2.5 km regular grid of stations) completed in September 2008, and merged with data from the Murchison 2006 regional survey.
Sheets: **BELELE** SG50-11; **GLENGARRY** SG50-12; **CUE** SG50-15; **SANDSTONE** SG50-16; **KIRKALOCKA** SH50-3; **YOUANMI** SH50-4; **NINGHAN** SH50-7; and **BARLEE** SH50-8
Images (ecw) available online, or data and grids from GA, or download free from gadds **2008**

Musgrave

The data were acquired in May and June 2008 (at a 2.5 km regular grid of stations), released August. 
Sheets: parts of **BENTLEY** SG52-5; **SCOTT** SG52-6; **TALBOT** SG52-9; **COOPER** SG52-10; **WAIGEN** SG52-14
Images (ecw) available online, or data and grids from GA, or download free from gadds **2008**

1:250 000 SHEETS

Ajana 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SG50-13 **2000**

Record 2000/12 and image, \$22.00 incl. GST

Byro 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SG50-10 **2000**

Record 2001/19 and image, \$22.00 incl. GST

Kingston 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SG51-10 **1999**

Record 2000/19 and image, \$22.00 incl. GST

Stanley 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SG50-6 **1999**

Record 2000/19 and image, \$22.00 incl. GST

Winning Pool – Minilya 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SF50-13, part of SF49-16 **1999**




Record 2001/3 and image, \$22.00 incl. GST

Wyloo 1:250 000 sheet

Gravity measurements have been compiled into a Bouguer gravity image at 1:250 000 scale (work undertaken in conjunction with helicopter-supported regolith sampling).
Sheet SF50-10 **2000**

Record 1999/9 and image, \$22.00 incl. GST

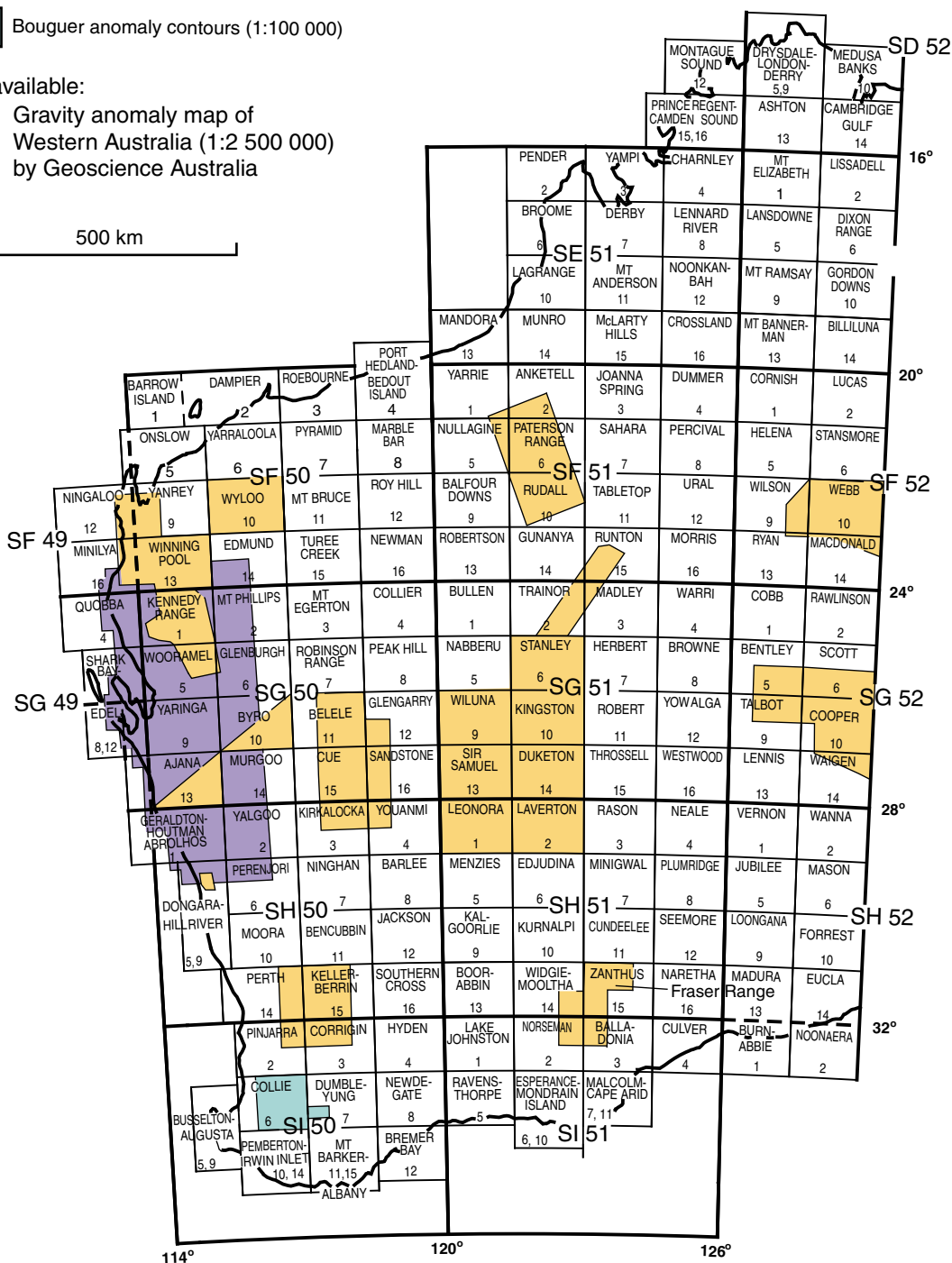
INDEX TO GRAVITY MAPS AND IMAGES (various scales) (Hardcopy and digital)

-  Bouguer anomaly images (1:500 000)
-  Bouguer anomaly images (1:100 000 and 1:250 000)
-  Bouguer anomaly contours (1:100 000)

Also available:

Gravity anomaly map of
Western Australia (1:2 500 000)
by Geoscience Australia

500 km



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13.02.09

Seismic structure maps

Subsurface time structure maps compiled from open-file seismic data were produced between 1990 and 1994 for the Bonaparte, Browse, Canning, Carnarvon, Perth, Bremer, and Eucla Basins. Seismic information is also available for the Merlinleigh Sub-basin/Gascoyne Platform, and the onshore northern and southern Perth Basin. Maps are available as paper prints. An index map is shown on the following page.

Maps are also available in digital format for all the above basins, with the exception of the Perth Basin. The preferred format for digital sales is as Microstation design (DGN) files. Details and prices for other digital formats can be obtained from the **GSWA Digital Data Administrator** (details on page 3).

Prices (incl. GST) are as follows:

1:1 000 000 sheets:	\$11.00 incl. GST
1:250 000 sheets:	\$11.00 incl. GST
1:250 000 sheets in digital format:	\$55.00 per sheet

Bonaparte Basin offshore (1:250 000)

Valanginian Unconformity

Echo Shoals	Benalla Bank
Barton Shoal	Van Cloon Shoal
Lambert Shelf Valley	Petrel
The Boxers	

Bremer Basin (1:250 000)

Precambrian Basement

Albany	Investigator Island
Amity	Irwin Inlet
Bremer Bay	Mondrain Island
Cape Arid	

Browse Basin (1:250 000)

Top Middle Jurassic

Seringapatam	Browse Island
Heywood Shoal	Roebuck Bank
Scott South	Lynher Bank

Canning Basin onshore (1:1 000 000)

Base Grant Group (one sheet)

Pre-Grant Group geology (one sheet)

Top Ordovician (one sheet)

Canning Basin onshore (1:250 000)

Base Grant Group

Anketell	Mount Ramsay
Billiluna	Munro
Broome	Noonkanbah
Cornish	Paterson Range
Crossland	Pender
Derby	Percival
Dummer	Ryan
Helena	Sahara
Joanna Spring	Stansmore
LaGrange	Tabletop
Lennard River	Ural
Lucas	Webb
Mandora	Wilson

(Canning Basin onshore, continued)

McLarty Hills	Yampi
Morris	Yarrie

Mount Anderson
Mount Bannerman

Top Ordovician

Anketell	Mount Anderson
Cornish	Mount Bannerman
Crossland	Munro
Derby	Noonkanbah
Dummer	Paterson Range
Joanna Spring	Percival
LaGrange	Sahara
Lennard River	Tabletop
Mandora	Ural
McLarty Hills	Yarrie
Morris	

Canning Basin offshore (1:250 000)

Top Lower Carboniferous *Top Upper Triassic*

Broome	Bedout Island
Lacepede	Lacepede
Pender	Phoenix
Tasman	Picard
	Rowley Shoals
	Tasman

Top Upper Permian

Bedout Island
Mandora
Phoenix
Rowley Shoals
Visscher

Top Middle Jurassic

Bedout Island
Broome
Lacepede
Mandora
Phoenix
Picard
Rowley Shoals
Tasman
Visscher

Eucla Basin offshore (1:250 000)

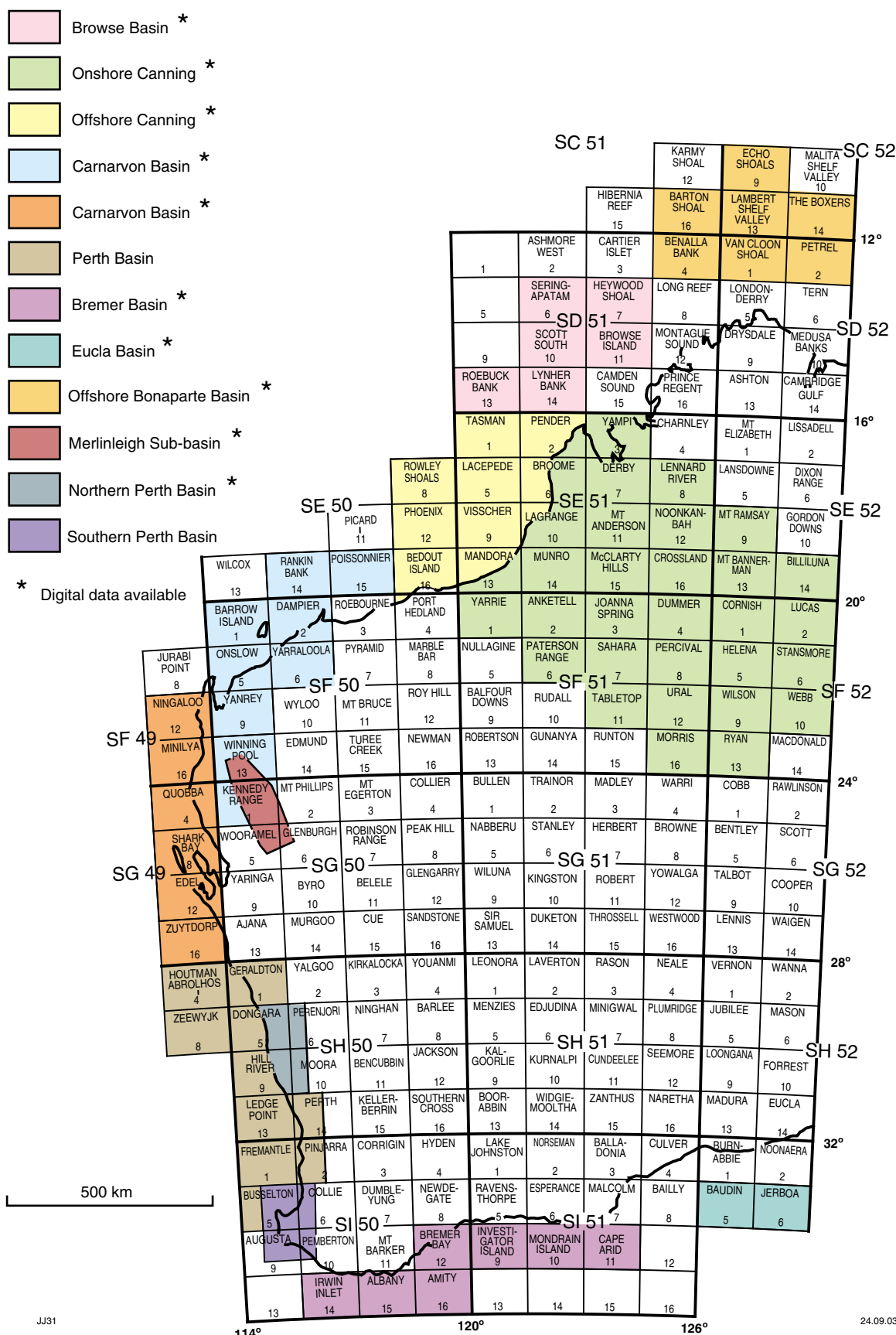
Precambrian Basement

Baudin
Jerboa

Top Neocomian

Baudin
Jerboa

1:250 000 SEISMIC STRUCTURE MAPS



Seismic structure maps

Carnarvon Basin (1:250 000)

<i>Top Carboniferous</i> (base Lyons Group)	<i>Oxfordian Unconformity</i>
Kennedy Range	Dampier
Winning Pool	Poissonnier
	Rankin Bank
<i>Pre-Permian</i>	<i>Oxfordian Unconformity/</i>
Shark Bay	<i>Upper Tithonian</i>
	Barrow Island
<i>Lower Permian</i> (top Wooramel Group)	Onslow
Kennedy Range	<i>Near Top Neocomian</i>
Winning Pool	(base Muderong Shale)
	Ningaloo
<i>Near Top Permian/</i>	Onslow
<i>Pre-Permian</i>	Yanrey
Edel	Yarraloola
Zuytdorp	
<i>Near Top Neocomian</i> (top Birdrong Sandstone)	
Minilya	
Quobba	

Perth Basin (1:250 000)

The onshore and offshore sheets for the Perth Basin are sold together as a set (\$27.50 incl. GST). The maps do not have boundaries corresponding to the conventional 1:250 000 geological map sheets but include portions of those indicated below:

Offshore

Near Top Permian/Pre-Permian

Edel, Zuytdorp (sheet 10)

Near Top Permian

Geraldton, Houtman Abrolhos (sheet 9)

Dongara (sheet 8)

Hill River (sheet 7)

Near Top Jurassic

Ledge Point, Perth, Fremantle, Pinjarra (sheet 6)

Neocomian Unconformity

Ledge Point, Perth, Fremantle, Pinjarra (sheet 5)

Onshore

Top Permian

Busselton, Augusta (sheet 1)

Pinjarra (sheet 2)

Top Lower Jurassic

Perth (sheet 3)

Dongara, Hill River (sheet 4)

Other seismic data available

Seismic data are available from many of the reports published by GSWA (see listing under **Books**). A brief listing is given below:

Report 31, *southern Perth Basin*, including parts of BUSSELTON, COLLIE, AUGUSTA, PEMBERTON 1:250 000 sheets **1993**

Report 45, *Merlinleigh and Byro Sub-basins, Carnarvon Basin*, including parts of WINNING POOL, KENNEDY RANGE, MOUNT PHILLIPS, WOORAMEL, and GLENBURGH 1:250 000 sheets **1995**

Report 46, *onshore northern Perth Basin*, including parts of DONGARA, PERENJORI, HILL RIVER, and MOORA sheets **1996**

Report 52, *Giralia area, Carnarvon Basin*, including parts of NINGALOO, YANREY, MINILYA, WINNING POOL **1997**

Report 61, *southern Merlinleigh Sub-basin, Carnarvon Basin*, including parts of WINNING POOL, KENNEDY RANGE, MOUNT PHILLIPS, WOORAMEL, and GLENBURGH 1:250 000 sheets **1998**

Report 73, *Peedamullah Shelf and Onslow Terrace, Northern Carnarvon Basin*, including parts of ONSLOW, YARRALOOLA, YANREY 1:250 000 sheets **2000**

Report 76, *Yowalga area, Officer Basin* **2000**

Report 87, *Gascoyne Platform, Southern Carnarvon Basin*, including parts of MINILYA, WINNING POOL, QUOBBA, KENNEDY RANGE, SHARK BAY, WOORAMEL, EDEL, YARINGA, ZUYTDORP, and AJANA 1:250 000 sheets **2003**

Report 89, *Bernier Ridge, Southern Carnarvon Basin* **2003**

Report 98, *central western Officer Basin* **2005**

Progressively, this seismic information will become available through GSWA's **Digital Data Administrator** (see page 3 for details).

Northern Yilgarn Seismic Survey

Joint GSWA–GA–pmd*CRC survey

Data release. Paper and digital copies of the seismic sections are available from GA, see their website at www.ga.gov.au. Detailed information and PDF files of the seismic lines are available at DMP's website, see www.dmp.wa.gov/GSWA > *Catalogue of Geoscience Products* > *Map Indexes* > *Seismic survey data*.

Leonora–Neale

Leonora–Neale Transect, solid geology map, scale 1:500 000; compiled by AJ Whitaker and RS Blewett (Geoscience Australia).
Plotted map \$11.00 incl. GST **2002**
(see also **Non-series (project) maps** index for location)

Eastern Canning Basin

SMT Seismic Project

Data release. CD of data supplied as Seismic Micro Technologies' Kingdom Suite project files.
(see also **Digital Packages** elsewhere in this catalogue)

DIGITAL PACKAGES on the GEOLOGY of WESTERN AUSTRALIA



Digital packages

GSWA is increasingly producing multi-themed GIS packages on CD and DVD. These data packages may be based on a specific theme (e.g. geochronology, geochemistry, mineral occurrences) or a specific region (e.g. western Capricorn Orogen), with additional subsidiary themes provided where available. Most packages include viewing software (stand-alone GeoVIEWER.WA software developed inhouse). The packages available are listed below, by series, and may be ordered in the normal way. For enquiries, contact the **GSWA Digital Data Administrator** (see page 3 for details).

Mineral prospectivity packages

MOEP (Mineral occurrences and exploration potential) and **MOEA** (Mineral occurrences and exploration activities) packages are provided on CD incorporating stand-alone or self-loading viewing software. The datasets may be viewed and manipulated using the packaged software, or the purchaser's own GIS software. The packages are updated regularly.

The following themes may be included:

- 1:500 000 solid geology
- 1:500 000 regolith geology
- Databases and spatial indexes, e.g.
EXACT (Mineral EXploration ACTivities database)
WAMIN (WA mineral occurrence database)
MINEDEX (Mines and mineral deposits database)
MAGIX (WA magnetic airborne index)
- Magnetic (TMI and FVD) images
- Gamma ray spectrometric images
- Landsat TM and ASTER images
- Mineral tenements (TENGRAPH)
- Topographic and cultural data

The packages contain differing components, which are listed. Prices are as follows:

MOEP Package (report, map, GIS dataset)	\$88.00 incl. GST
Dataset on CD (from 2004: CD incl. PDF of book)	\$55.00 incl. GST
Book and map (from 2004: no hardcopy book)	\$44.00 incl. GST
Map, each (not always sold separately)	\$11.00 incl. GST
MOEP/MOEA Dataset or update (CD)	\$55.00 incl. GST

Coverage is for the following regions, listed alphabetically (see index map overleaf):

Arunta–Musgrave mineral occurrences and exploration potential (MOEP)

Geological data package covers CORNISH, LUCAS, HELENA, STANMORE, WILSON, WEBB, RYAN, MACDONALD, COBB, RAWLINSON, BENTLEY, SCOTT, TALBOT, and COOPER 1:250 000 sheets.

Record 2002/9 (record and GIS dataset on CD) 2003

Bangemall Basin MOEP

Geological data package covers parts of the COLLIER, EDMUND, MOUNT EGERTON, MOUNT PHILLIPS, NEWMAN, PEAK HILL, ROBINSON RANGE, TUREE CREEK, and WYLOO 1:250 000 sheets.

Report 64 (report, map, GIS dataset) 1998

Update of dataset on CD-ROM 2002

Canning MOEP

Geological data package covers PENDER, BROOME, LAGRANGE, MANDORA, MUNRO, McLARTY HILLS, CROSSLAND, ANKETELL, JOANNA SPRING, DUMMER, SAHARA, PERCIVAL, URAL, MORRIS, and WARRI 1:250 000 sheets.

Record 2004/3 (record and GIS dataset on CD) 2004

Earaheedy MOEP

Geological data package covers BULLEN, TRAINOR, NABBERU, STANLEY, and KINGSTON 1:250 000 sheets.

Report 96 (hardcopy map; report and GIS dataset on CD) 2005

East Kimberley MOEP

Geological data package covers LISSADELL, DIXON RANGE, MOUNT RAMSAY, GORDON DOWNS, MOUNT BANNERMAN, and BILLILUNA 1:250 000 sheets.

Report 74 (report, map, GIS dataset) 2000

Update of dataset on CD-ROM 2004

East Pilbara MOEP

Geological data package covers PORT HEDLAND – BEDOUT ISLAND, MARBLE BAR, YARRIE, and NULLAGINE 1:250 000 sheets.

Report 81 (report*, map, GIS dataset) *report out of print 2001

Plates 1, 1A sold as set 2001

Update of GIS dataset on CD-ROM 2005

Gascoyne mineral occurrences and exploration activities (MOEA)

Geological data package covering ONSLOW, NINGALOO–YANREY, MINILYA – WINNING POOL, QUOBBA, KENNEDY RANGE, MOUNT PHILLIPS, EDEL – SHARK BAY, WOORAMEL, AND GLENBURGH 1:250 000 sheets

Record 2007/17 (GIS dataset on DVD) 2007

Mid West coast MOEA

Geological data package covering MOORA, DONGARA – HILL RIVER, GERALDTON – HOUTMAN ABROLHOS, AJANA, YARINGA, and SHARK BAY – EDEL 1:250 000 sheets.

Record 2006/5 (GIS dataset on DVD) 2006

North Eastern Goldfields MOEP

Geological data package covers DUKETON, SIR SAMUEL, AND WILUNA 1:250 000 sheets.

Report 63 (report, map, GIS dataset) 1998

Update of dataset on CD-ROM 2001

North Kimberley MOEP

Geological data package covers DRYSDALE–LONDONDERRY, MEDUSA BANKS, ASHTON, CAMBRIDGE GULF, MOUNT ELIZABETH, and LANSDOWNE 1:250 000 sheets.

Report 85 (report, map, GIS dataset) 2003

North Murchison mineral occurrences and exploration activities (MOEA)

Geological data package covering BYRO, BELELE, MURGOO, and CUE 1:250 000 sheets

GIS dataset on DVD 2008

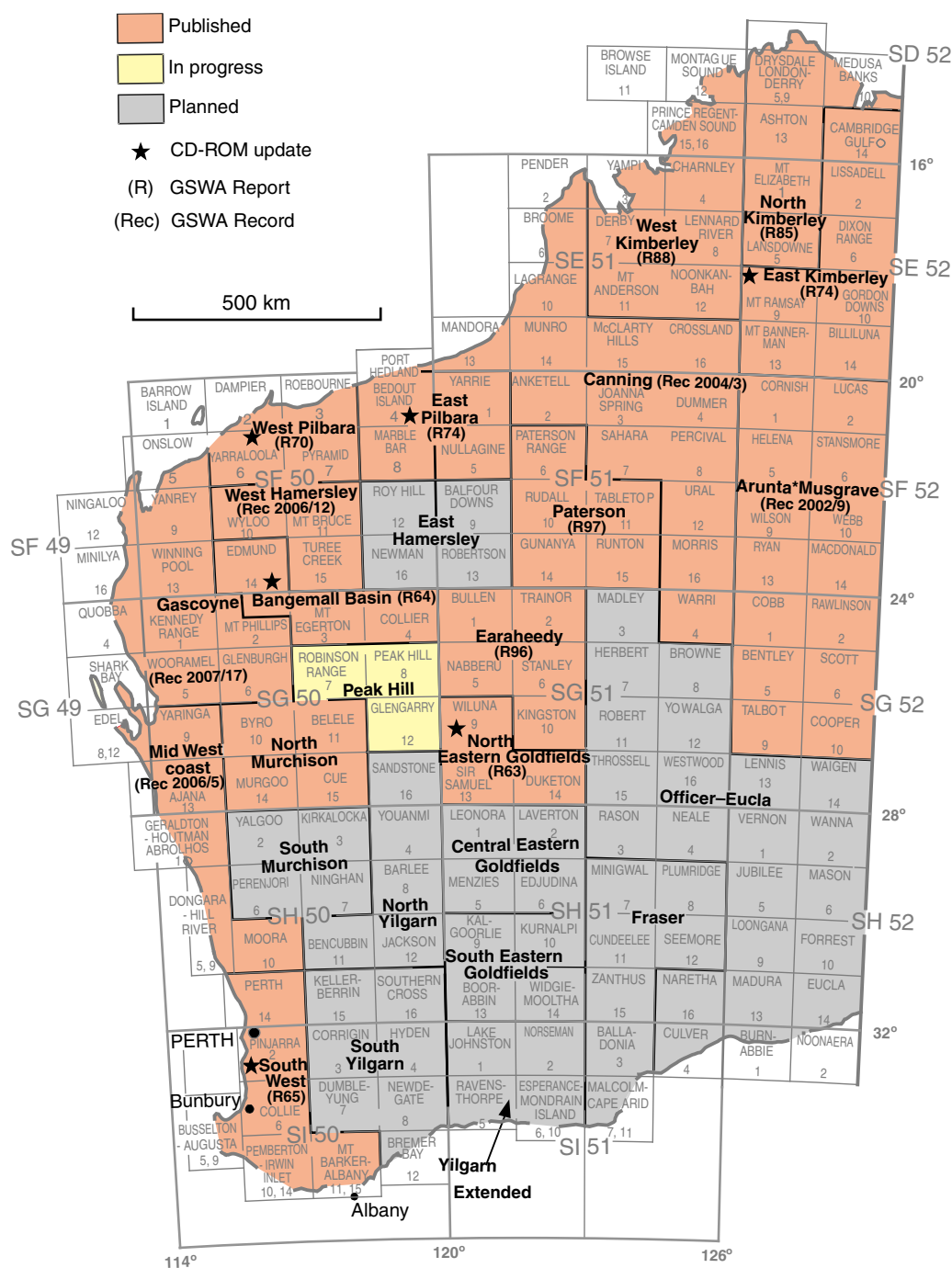
Paterson MOEP

Geological data package covers PATERSON RANGE, RUDALL, TABLETOP, GUNANYA, and RUNTUN 1:250 000 sheets.

Report 97 (hardcopy map; GIS dataset and report on CD) 2005



MINERAL PROSPECTIVITY PACKAGES



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Digital packages

Mineral prospectivity packages (continued)

Southwest MOEP

Geological data package covers PERTH, PINJARRA, COLLIE, BUSSELTON – AUGUSTA, PEMBERTON – IRWIN INLET, and MOUNT BARKER – ALBANY 1:250 000 sheets.

Report 65 (report, map, GIS dataset)

1998

Update of dataset on CD-ROM

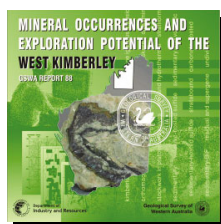
2001

West Hamersley MOEA

Geological data package covering WYLOO, MOUNT BRUCE, and TUREE CREEK 1:250 000 sheets.

Record 2006/12 (GIS dataset on DVD)

2006



West Kimberley MOEP

Geological data package covers MONTAGUE SOUND, PRINCE REGENT – CAMDEN SOUND, YAMPI, CHARNLEY, DERBY, LENNARD RIVER, MOUNT ANDERSON, and NOONKANBAH 1:250 000 sheets.

Report 88 (hardcopy map; GIS dataset and report on CD)

2004

West Pilbara MOEP

Geological data package covers DAMPIER, ROEBOURNE, YARRALLOOLA and PYRAMID 1:250 000 sheets.

Report 70 (report, map, GIS dataset)

1999

Update of dataset on CD-ROM

2002

Regional mineral studies

The Regional Minerals Program was established by the Federal Government in August 1996, with the broad objective of encouraging a coordinated regional approach to mineral resource development and with enhanced consultation and cooperation between industry and all levels of Government. The Geological Survey's work concentrated on compilation of new 1:500 000-scale geological maps (presented at 1:1 000 000 scale) in order to assist analysis of the mineral potential, collation of data on mineral occurrences and deposits, review of the controls to mineralization, and a preliminary assessment of the mineral potential. Extensive digital datasets accompany the Records listed below. See review article in *Fieldnotes* no. 17.

The regional mineral studies are published in Record form and may have an accompanying CD-ROM of digital data. Prices are as follows:

Dataset on CD	\$55.00 incl. GST
Book and map	\$22.00 incl. GST
Map only	\$11.00 incl. GST

Gascoyne (see: Record 2000/7)

2000

Mid west (see: Record 2000/14)

2000

Halls Creek

Southern Cross – Esperance (see: Record 2002/3)

2002

Woolgangie–Yilmia (see: Record 2004/6)

Book free on web as PDF file

2004

Digital data \$55.00 incl. GST

2005

Mines, deposits, and prospects database (MINEDEX)

MINEDEX is DMP's text database that models the Western Australian mining and exploration industry. The database has intelligent links between and contains comprehensive information on projects, project owners, sites, commodities and minerals, site mineralization, mineral resource estimates, historic mineral production, mining proposals, mine operators and their site contact addresses, site spatial attributes, site tenements, notes, etc. The database also contains the *Inventory of abandoned mine sites of Western Australia*.

The new web application, released in mid-2008, provides very extensive free searching, reporting, and data extract facilities.

Mines, deposits, and prospects from MINEDEX are displayed in DMP's online spatial systems too, including TENGRAPH (tenement graphics), GeoVIEW.WA (interactive geological maps), and WAMEX (mineral exploration reports). Data from MINEDEX in GoogleEarth format, ESRI shape files, and MapInfo tab files are available from DMP's Data and Software Centre.

MINEDEX is also used to generate a range of special-series maps, such as: operating mines, major resource projects, iron ore deposits of the Yilgarn and Pilbara regions, and industrial minerals of Western Australia. Selected sites from MINEDEX are also shown on GSWA standard-series 100 000 and 250 000-scale geological maps.

The MINEDEX view of the Western Australian mining industry is also used in other DMP systems so that there is one consistent up-to-date view of the mining industry. These include systems related to collection of royalties, environmental approvals, and correspondence management.

MINEDEX is online and free at www.dmp.wa.gov.au/minedex

Iron ore deposits of the Pilbara region 2007 update

(1:500 000 digital data package)

GIS dataset and map of the numerous iron ore deposits in one of the world's great iron ore provinces. The 1:500 000-scale map and its background digital data on the accompanying CD provide an opportunity to review the ownership of deposits by companies/joint ventures and the location of deposits in relation to State Agreement Acts, as well as providing extensive information on existing infrastructure and tenement details. Information is updated regularly. Self-viewing software is included on the disk. Data include:

- Iron ore geology
- Tectonic units
- Mines and mineral deposits extract from MINEDEX database
- Mineral tenements (TENGRAPH)
- State Agreement Act areas
- Topographic and cultural data
- 1:500 000-scale map (PDF format)

GIS dataset on CD

\$55.00 incl. GST

Hardcopy map

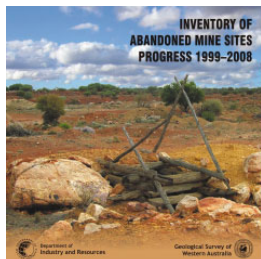
\$11.00 incl. GST

updated October 2007

Digital packages

Inventory of abandoned mine sites (2008 update)

The inventory of abandoned mine sites provides baseline data on historical mining-related features in Western Australia, forming a solid foundation for future independent assessments of hazards, heritage value, and environmental impact. The inventory contains records for more than 189 000 mining-related features, some 54 000 thumbnail photographs, and includes about 82% of the high priority historic mine sites in Western Australia. This is a comprehensive digital database of abandoned mine sites that includes photographs of individual underground and surface excavations, dumps, and rehabilitation and infrastructure features. The database also provides a valuable contribution to the spatial distribution of mineralization in historical mining areas. Record 2003/9 accompanies the first public release of the abandoned mine sites database. See articles of interest in *Fieldnotes* nos 15, 16, 20, and 25. The second release (on DVD) covers data up to 2003. Subsequently the data have been released annually on DVD (see 2008 update) and include additional georeferenced historical maps, and selected 3D pseudocolour drapes of depth over density of workings, portraying bedrock gold mineralization patterns.



Dataset on DVD:	\$55.00 incl. GST
DVD and book:	\$77.00 incl. GST
Inventory of abandoned mine sites: progress 1999–2002	
Update DVD: progress 1999–2003	2004
Update DVD: progress 1999–2005	February 2006
Update DVD: progress 1999–2006	2007
Update DVD: progress 1999–2007	2008

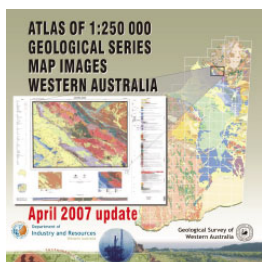
Atlas of 1:250 000 geological series map images

All of WA's 1:250 000 geological maps stitched together. The 2007 edition of the atlas of 1:250 000 georeferenced map images, with stand-alone viewing software, has the following enhancements:

- a georeferenced layer in .ECW format of a 1:250 000 mosaic image of all the maps
- a layer called NATMAP Raster mosaic, a seamless image mosaic of topographic maps
- georeferenced images to allow you to plot your own data
- MGA grid added to older maps with imperial grids

DVD \$22.00 incl. GST

April 2007 update



Note: Not certified for Windows VISTA, but can be made compatible, see instructions at: www.dmp.wa.gov.au/datacentre > Manuals

GSWA promotional CD

CD released annually (to coincide with GSWA Open Day) containing indexes of GIS data, publications, and maps, a PDF of Record 2009/2 (GSWA 2009 seminar — extended abstracts) and links to the DMP and GSWA website. **CD (2009 update) free of charge**



NEW

GSWA products 2003–05 DVD

DVD containing PDF documents of all publications released between July 2003 and June 2005. DVD has a search function for searching on a single field or multiple fields. Many maps in PDF format are also on the disk.

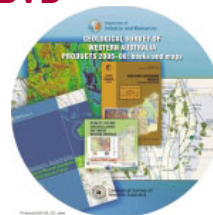
DVD \$22.00 incl. GST



GSWA products 2005–06 DVD

New DVD containing PDF documents of all publications released between July 2005 and June 2006. DVD has a search function for searching on a single field or multiple fields. Many maps in PDF format are also on the disk.

DVD \$22.00 incl. GST



GSWA products 2006–07 CD

New CD containing PDF documents of all publications released between July 2006 and June 2007. CD has a search function for searching on a single field or multiple fields. Many maps in PDF format are also on the disk.

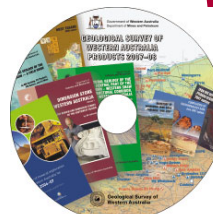
CD \$22.00 incl. GST



GSWA products 2007–08 CD

New DVD containing PDF documents of all publications released between July 2007 and June 2008. DVD has a search function for searching on a single field or multiple fields. Many maps in PDF format are also on the disk.

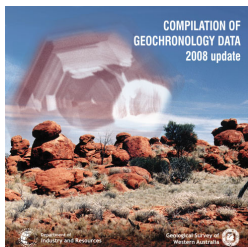
DVD \$22.00 incl. GST



NEW

Digital packages

Compilation of geochronology data (to 2008)



Geochronology data on CD with stand-alone viewing software (incorporates all data previously published in GSWA Records and new data, plus Geoscience Australia data from the OZCHRON database). GeoVIEWER.WA software allows the user to view and access data for more than 650 geochronology points, build queries, and retrieve PDF documents for individual points. See *Fieldnotes* nos 22 and 31 for more details.

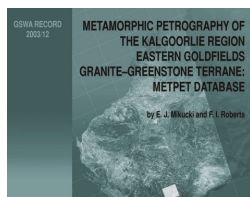
GIS dataset on CD June 2005 update (superseded)
 GIS dataset on CD June 2006 update (superseded)
 GIS dataset on CD June 2007 update (superseded)



NEW GIS dataset on CD \$22.00 incl. GST June 2008 update

N.B. As from 2009, all geochronology data are being released on the web as Geochronology Records — a record for each analysed sample.

METPET database



Record 2003/12: 'Metamorphic petrography of the Kalgoorlie region, Eastern Goldfields Granite-Greenstone Terrane: METPET database' contains an updated metamorphic map and petrographic database for a 20 000 km² area covering much of the auriferous Kalgoorlie region.

The Record is released as a CD-ROM containing the METPET data-base and the files necessary to view the data in a GIS environment, including a stand-alone version of GSWA's GeoVIEWER.WA software package. See *Fieldnotes* no. 31 for more details of this new package.

Digital dataset and PDF on CD \$55.00 incl. GST 2004

East Yilgarn Geoscience Database — 1:100 000 reinterpretation of the Eastern Goldfields regolith

CD (contains reinterpretation of the regolith, and Record 2003/11). See also: **1:100 000 Geological Information Series**.
 CD \$22.00 incl. GST 2003

Northern Yilgarn seismic survey

GSWA-GA-pmd*CRC joint project. Data release. Paper and digital copies of the seismic sections are available from GA (www.ga.gov.au). Detailed information and PDF files of the seismic lines are available from DMP's website at www.dmp.wa.gov.au/GSWA >Catalogue of Geoscience Products >Map Indexes >Seismic survey data.

Paleontology Reports 1962–96

CD containing Adobe Acrobat (PDF) versions of Paleontology Reports by the Geological Survey between 1962 and 1996, as well as an index of the reports. Tectonic units of WA are included for reference.

CD \$22.00 incl. GST

2005

Titanium mineral resources of the Swan Coastal Plain

CD containing data for Resource Potential for Land Use Planning series maps showing titanium mineral resources of the Swan Coastal Plain. Maps are in PDF form

CD

in prep.

1:100 000 Geological Information Series

This 1:100 000-scale digital map and data package comes with GSWA's GeoVIEWER.WA software that allows the user to select and customize layers for viewing. DVD contains the 1:100 000 geological maps in digital form as well as the field observations and measurements underpinning the mapping (WAROX database); geochronology; petrography; mineral exploration information (WAMIN) and mineral deposits information (MINEDEX). Other data are provided where available, such as Landsat TM and Aster satellite images, aeromagnetic and radiometric images, gravity data, exploration activity summaries, and a snapshot of mining tenements (extract from Departmental database TENGGRAPH).

DVD or CD with digital data

\$55.00 incl. GST

Individual plotted map (hardcopy)

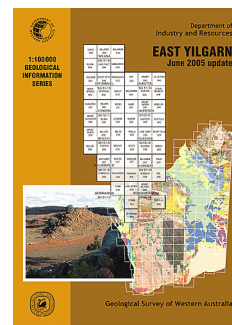
\$11.00 each incl. GST

Coverage is for the following regions. See adjacent index map for the extent of the data packages.

East Yilgarn (January 2007 update)

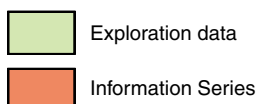
Geological data package covers 60 × 1:100 000-scale geological sheets of the Eastern Goldfields Granite-Greenstone Terrane as shown on the index map on pages 20–21. This DVD updates previous information released as Combined East Yilgarn Geoscience Database, Eastern Goldfields and includes:

- Record 2004/13 (updated rock codes)
- Record 2003/11 (reinterpretation of the EGF regolith)
- Report 95 (an explanatory note to the new series)
- Report 84 (Leonora-Laverton region)
- Report 83 (North Eastern Goldfields)
- Report 78 (Menzies to Norseman)

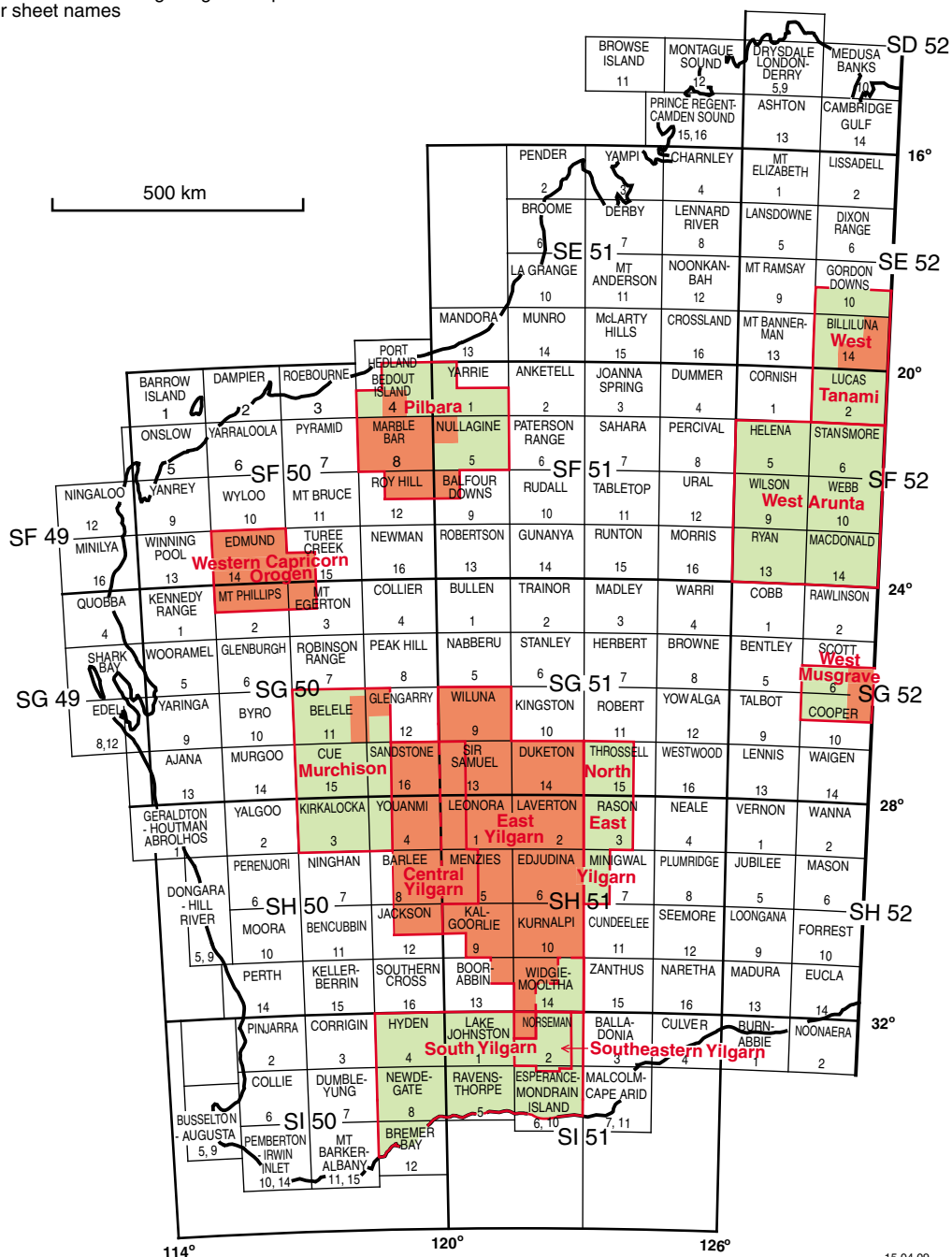


New update includes ERAYINIA and YARDINA 1:100 000 sheets.

1:100 000 GEOLOGICAL INFORMATION SERIES (released in CD or DVD format)



See also 1:100 000 geological map index
for sheet names



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15.04.09

Digital packages

Western Capricorn Orogen (2007 update)

Updated Geological Information Series data package now includes seven $\times 1:100\ 000$ sheets that comprise the Edmund (SF50-14) and Turee Creek (SF50-15) $1:250\ 000$ sheets:

MAROONAH, ULLAWARRA, CAPRICORN, MANGAROO, EDMUND, ELLIOTT CREEK, KENNETH RANGE, EUDAMULLAH, MOUNT AUGUSTUS, MOUNT PHILLIPS, and PEEDAWARRA,

West Musgrave (2007 update)

This Geological Information Series data package covers two $\times 1:100\ 000$ -scale geological sheet over the Paterson Orogen. The DVD has $1:100\ 000$ geology; interpreted bedrock geology at $1:500\ 000$; geochronology; $1:250\ 000$ geology mosaic image; GSWA field observation sites (from WAROX database); mineral exploration information (WAMIN) and mineral deposits information (MINEDEX); gravity radiometric, Landsat and Aster images; ortho-rectified aerial photography.

DVD covers: BATES, BELL ROCK, and limited coverage for BLACKSTONE

Murchison (2007 update)

This Geological Information Series data package covers $3 \times 1:100\ 000$ geological sheets of the Murchison Domain.

The DVD has $1:100\ 000$ geology; interpreted bedrock geology at $1:500\ 000$; geochronology; $1:250\ 000$ geology mosaic image; GSWA field observation sites (from WAROX database); Jack Hallberg's Murchison geology dataset 1989–94 and report; geophysics; mineralization and exploration information; and remotely sensed information.

DVD covers: part sheets GLENGARRY, MEEKATHARRA, TIERACO

West Tanami (2008 update)

This Geological Information Series data package covers $3 \times 1:100\ 000$ geological sheets of the Granites–Tanami Orogen.

The DVD has $1:100\ 000$ geology; interpreted bedrock geology at $1:500\ 000$; geochronology; $1:250\ 000$ geology mosaic image; GSWA field observation sites (from WAROX database); geophysics; mineralization and exploration information; and remotely sensed information.

DVD covers: BALWINA, KEARNEY, LEWIS, SLATEY CREEK, STURT CREEK, WATTS, and WOLFE CREEK (parts of BILLILUNA and LUCAS $1:250\ 000$ sheets), with coverage at $1:100\ 000$ for WATTS, BALWINA, and SLATEY CREEK

NEW

Central Yilgarn (2008 update, released 2009)

The Central Yilgarn Geological Information Series data package covers $15 \times 1:100\ 000$ -scale geological sheets in the Youanmi Terrane and the Eastern Goldfields Superterrane. The DVD contains outcrop geology and interpreted bedrock geology at $1:100\ 000$ scale; aeromagnetic, gravity, radiometric, and Landsat images; aeromagnetic interpretation; regolith and bedrock geochemistry; geochronology; mining and mineral information; and selected publications.

Includes the following $1:100\ 000$ sheets:

ATLEY, EVERETT CREEK, MUNJEROO, RAYS ROCKS, RICHARDSON, MOUNT ALEXANDER, BARLEE, MARMION, MOUNT MASON, BALLARD, JOHNSTON RANGE, LAKE GILES, MULLINE–RIVERINA, JACKSON, BUNGALBIN, DEPOT SPRINGS, LAKE MASON, MONTAGU, SANDSTONE, YEELIRRIE, and YOUNG DOWNS

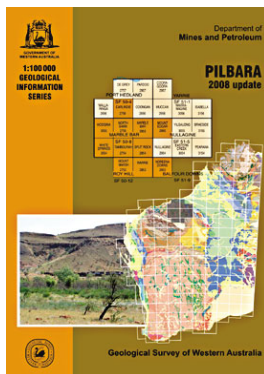
NEW

Pilbara (2008 update)

This Geological Information Series data package covers $11 \times 1:100\ 000$ -scale geological sheets in the East Pilbara Granite–Greenstone Terrane. The DVD has $1:100\ 000$ geology; interpreted bedrock geology at $1:500\ 000$ scale; geochronology; GSWA field observation sites (from WAROX database); mineral exploration information (WAMIN) and mineral deposits information (MINEDEX); $1:250\ 000$ State geology and structure; indexes of aeromagnetic data (MAGIX); gravity, radiometric, Landsat and Aster images. See *Fieldnotes* no. 39 for more details of this package.

DVD now covers 11 sheets:

CARLINDIE, WODGINA, NORTH SHAW, MARBLE BAR, MOUNT EDGAR, WHITE SPRINGS, TAMBOURAH, SPLIT ROCK, MOUNT MARSH, WARRIE, and NOREENA DOWNS



NEW

Digital packages

Geological exploration packages (GEP)

These are new packages incorporating topographic, geophysical, and geological legacy data for districts where GSWA is about to commence, or is currently undertaking, new field mapping. The packages include data such as aeromagnetic and radiometric images, satellite imagery, high-resolution digital orthophotography, and geological interpretations of the available data. The packages will be updated with new information as the GSWA field mapping progresses. As a group of 1:100 000 sheets are completed, data are released to the 1:100 000 Geological Information Series. Data are released on DVD.

Price: \$55.00 incl. GST, unless annotated otherwise. Packages are listed below and are shown on the adjacent index map.

West Musgrave geological exploration package

West Musgrave geological exploration package — release 1: Jameson–Wingellina

Includes high-resolution digital orthophotography, aeromagnetic and radiometric images, and detailed aeromagnetic interpretation, plus Landsat TM and Aster satellite images, and other data. Covers six 1:100 000 sheets: FINLAYSON, HOLT, BATES, COOPER, BLACKSTONE, and BELL ROCK (SG52-6-4446, -4546, -4646, and SG52-10-4445, -4545, -4645).

Record 2004/9 (DVD, superseded) 2004
see 1:100 000 Geological Information Series

West Musgrave geological exploration package — release 2: digital elevation model data

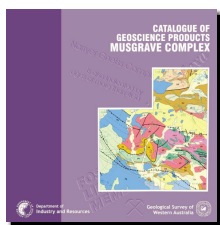
Covers the same six sheets as release 1 (above). DEM data in ASCII format.

DVD (Record 2004/11) 2004

Catalogue of geoscience products Musgrave Complex

CD containing bibliographic information and PDF files for the available books, articles, maps, and digital data released by GSWA for the Musgrave Complex since 1917. You can search for information about the publications using the CATALOGUE software included on the CD, and access the PDF files using the View Reports menu by opening your file manager and navigating the CD.

CD \$22.00 incl. GST 2004



Murchison geological exploration package

The Murchison GEP update embraces an area that includes all or parts of the BELELE, GLENGARRY, CUE, SANDSTONE, KIRKALOCKA, YOUANMI, NINGHAN, and BARLEE 1:250 000 sheets. The updated package contains a new regional geological interpretation based on newly acquired geophysical data and published geology; an expanded set of geophysical and satellite imagery including aeromagnetics, radiometrics, gravity, Landsat, and ASTER; more geochemistry; and an expanded set of selected geological publications. It will also include the previously released orthophotography over five × 1:100 000 sheets in the Meekatharra area, and the Hallberg Murchison geology dataset (1989–94).

Record 2004/19 (DVD, superseded) 2005

Record 2006/2 February 2006 update (DVD, superseded) 2006
see 1:100 000 Geological Information Series

Northeastern Yilgarn geological exploration package

The Northeastern Yilgarn GEP (2006 update) covers parts of the THROSSELL, RASON, and MINIGWAL 1:250 000 sheets. The package contains newly interpreted bedrock geology; orthophotography and DEM images over eight 1:100 000 sheets; aeromagnetic, gravity, radiometric, Landsat and ASTER images; published geological mapping; and selected geological publications.

Record 2005/8 (DVD, now superseded) 2005

Record 2006/4 April 2006 update (DVD) 2006

South Yilgarn geological exploration package

Record 2007/13 (2 DVDs) includes a range of data, such as geology, geophysical and satellite imagery, orthophotos, and selected publications covering BREMER BAY, ESPERANCE, HYDEN, INVESTIGATOR ISLAND, LAKE JOHNSTON, MONDRAIN ISLAND, NEWDEGATE, NORSEMAN, and RAVENSTHORPE, 1:250 000 sheets.

Record 2007/13 (DVDs) 2007

Southeastern Yilgarn geological exploration package

The Southeastern Yilgarn GEP covers parts of the WIDGIEMOOLTHA and NORSEMAN 1:250 000 sheets, with a minor incursion onto the ESPERANCE sheet. The package contains interpreted bedrock geology; aeromagnetic, gravity, and Landsat images; published geological mapping; mineral and mining data; and selected geological publications.

Record 2005/2 (DVD) 2005

West Tanami geological exploration package

Record 2005/6 (DVD) includes a range of data, such as geology, geophysical and satellite imagery, orthophotos, and selected publications covering BILLILUNA, LUCAS, and part of and GORDON DOWNS 1:250 000 sheets.

Record 2005/6 (DVD, superseded) 2005

see 1:100 000 Geological Information Series

Digital packages

Geochemistry

Geochemical data from various projects and various sources are available in digital form. Geochemical data are also available on the web through the GSWA Data and Software Centre at: www.dmp.wa.gov.au/datacentre.

Regolith geochemistry mapping packages

Some of these packages contain, in GIS format, the data presented in the 1:250 000 Regolith Geochemistry Series (see **Maps and Images** section of the Catalogue for details). Individual sheets are available in ESRI shapefile format, and MapInfo TAB file format for the following primary datasets:

regolith materials, generalized regolith, simplified geology, mineral occurrences (from WAMIN database), M-Series open-file reports of exploration, sample locations, element analyses.

CD \$110.00 incl. GST per data package.

The following 1:250 000 sheets (and one 1:100 000 sheet) are available:

Byro

Fraser Range region

Winning Pool

Nicholls (1:100 000)

Other sheets will be available on request. Contact GSWA Digital Data Administrator (see details on page 3).

Warakurna Large Igneous Province (LIP) data

Whole-rock lithogeochemical data for 1465 Ma and 1070 Ma dolerites from the Bangemall Supergroup in Western Australia are available for download from our website. Many of the dolerites comprise part of the Warakurna Large Igneous Province (defined by Wingate et al., 2004, in *Geology*, v. 32, p. 105–108). Analytical data comprise major element chemistry, up to 32 trace elements, REE (La–Lu) for most samples, PGE data for several samples, and a compilation of analytical conditions. An accompanying file contains 21 analyses of an inhouse reference material. Sampling, preparation, and analytical methodologies are contained in a text file. See **Reports**, for further details of Report 99: Mesoproterozoic sill complexes in the Bangemall Supergroup. Access the data from GSWA Data and Software Centre at: www.dmp.wa.gov.au/datacentre.

Pickands-Mather Kimberley geochemistry

Stream sediment geochemical data for 21 282 samples from a regional sampling program in the Kimberley region of Western Australia are available in digital form. Samples were collected and analysed in 1964. Access the data from GSWA Data and Software Centre at: www.dmp.wa.gov.au/datacentre.

BHP Billiton geochemistry

Stream sediment geochemistry for 19 646 samples from part of the Capricorn Orogen have been supplied to GSWA by BHP Billiton. Access the data from GSWA Data and Software Centre at: www.dmp.wa.gov.au/datacentre.

Hallberg Murchison dataset

Results from Dr Jack Hallberg's regional mapping in the Yilgarn Craton. See **JA Hallberg contributions** or **Geological Exploration packages** for more details.

Hallberg geochemistry for greenstones of the Yilgarn Craton

Geochemical data for greenstones and related rocks of the Yilgarn Craton, compiled from various sources

by JA Hallberg

Excel spreadsheet of whole rock geochemistry for

1821 samples of greenstone from the Yilgarn Craton compiled from a variety of sources by JA Hallberg. Data are available on CD in .csv format

Disk only \$55.00 incl. GST

1999

Or for free download access the data from GSWA Data and Software Centre at:

www.dmp.wa.gov.au/datacentre.

2006

Yamarna soil chemistry

Soil chemistry for 15 199 samples from a mineral exploration program in the Yamarna area of the northeast Yilgarn Craton have been acquired in digital form. The samples were collected and analysed by WMC Exploration.

For free download access the data from GSWA Data and Software Centre at:

www.dmp.wa.gov.au/datacentre.

2006

Laterite geochemistry — western Yilgarn Craton

Record 2007/9 is the final release of a 53-element dataset for 3150 laterite samples from the western Yilgarn Craton. The Record is published as a pdf file available online free from: www.dmp.wa.gov.au/GSWApublications. The analytical database is available as 2 DVDs or as free download.

For free download access the data from GSWA Data and Software Centre at:

www.dmp.wa.gov.au/datacentre.

2007

Archean mafic and ultramafic volcanics, Eastern Yilgarn Craton, WA



csv files for download at www.dmp.wa.gov.au >online systems >geochemistry

Distribution and chemistry of a 500 Ma igneous event within and beyond Western Australia



Regional geochemical survey of WEBB 2008



Stream-sediment geochemistry from southwest of Western Australia



Digital packages

Petroleum data

Well completion reports

Datasets on CD or DVD for stratigraphic wells drilled by GSWA. CD or DVD includes book as PDF file, well logs, data, and photographs of core.

Individual CDs and DVDs as follows:	\$22.00 incl. GST.
Booloogooro 1 basic data (Record 2002/7)	2002
Booloogooro 1 interpretive data (Record 2004/4)	2004
Edaggee 1 basic data (Record 2002/8)	2002
Edaggee 1 interpretive data (Record 2003/8)	2003
Lancer 1 basic data (Record 2004/10, DVD)	2004
Lancer 1 interpretive papers (Record 2005/4)	2005
Yinni 1 basic data (Record 2002/6)	2002
Yinni 1 interpretive data (Record 2003/7)	2003

Canning Basin workstation-ready data

Available on CD 2006

Eastern Canning Basin SMT Seismic Project, June 2007

Digital data supplied in Seismic Micro Technologies' Kingdom Suite project files. Included in the CD are:

- Navigation and SEG Y data for lines from 7 seismic surveys
- Specific horizon picks in the project area
- Well log data and formation tops
- Some fault picks.

Data cover the following 1:250 000 sheets:

LUCAS, CORNISH, HELENA, and STANSMORE in eastern Canning Basin
CD \$22.00 incl. GST **June 2007**

Gazette of onshore seismic surveys

by JH Haworth

CD \$55.00 incl. GST **update to 2007**

Merged well logs for Canning Basin

by JH Haworth

DVD (2) \$110 incl. GST **2008**

Eastern Canning Basin SMT project

by JH Haworth

DVD \$55.00 incl. GST **2008**

Schedule of petroleum exploration wells, Western Australia — 2001

by JH Haworth

CD with summary sheets of open-file data for wells drilled in Merlinleigh and Byro Sub-basins, and Gascoyne Platform (Carnarvon Basin); Lambert and Peedamullah Shelves, and Exmouth Sub-basin (Carnarvon Basin); Bonaparte and Browse Basins; Canning, Officer, Bremer and Eucla Basins; and Perth Basin

CD \$55.00 incl. GST **update 2001**

(now superseded, see www.dmp.wa.gov.au/WAPIMS)

Petroleum acreage releases (current applications)

On CD, free of charge

Western Australia

release September, 2008

Geothermal acreage release 2, Western Australia **August, 2008**

Western Australia **April 2009, in prep.**

areas L08-8 to L08-10, Canning Basin **2008**

see also: www.dmp.wa.gov.au >Petroleum and Geothermal



Digital packages

OZ SEEBASE

The OZ SEEBASE (Structurally Enhanced View of Economic Basement) GIS compilation is a model of the geological evolution of Australia's onshore and offshore Phanerozoic Basins. The structural framework and architecture of these basins is controlled by repeated reactivation of long-lived basement structures. In understanding the genesis and geometry of these structures a testable model has been developed, which is consistent with a wide range of datasets including airborne and satellite remote sensing, seismic, well and outcrop observations. The project provides:

- An integrated regional interpretation (nominally at 1:500 000 scale) of basement composition, structure, and depth to basement SEEBASE image (grid) for the whole of onshore Australia and its offshore margin
- The first consistent structural model for the evolution of Australia's sedimentary basins
- A base for a new set of maps of paleogeography, crustal heat flow and thickness, and hydrocarbon generation volumes.

The OZ SEEBASE GIS compilation can aid in understanding petroleum systems, and has applications for mineral and groundwater studies. The report and GIS compilation are available from FrOG Tech (details supplied below). The GIS dataset is also available on DVD for \$77.00 (inc. GST) from GSWA and the report can be downloaded from our new Digital Paper web delivery system by going to:

www.dmp.wa.gov.au/GSWApublications

For more details on OZ SEEBASE contact:

FrOG Tech Pty Ltd
Telephone: +61 2 6283 4800
Fax: +61 2 6283 4801
email: tloutit@frogtech.com.au
website: www.frogtech.com.au

Books on the GEOLOGY of WESTERN AUSTRALIA published 1980 onward



Memoir 3

Geology and mineral resources of Western Australia by Geological Survey of Western Australia.

An atlas that accompanies Memoir 3, which contains three State maps (1:2 500 000 scale) showing geology, mineral deposits, and principal gold deposits respectively, and a Phanerozoic correlation chart for Western Australia.

Book (2.8 kg) \$94.60 incl. GST

Book and atlas (3.4 kg) \$110.00 incl. GST **1990**
or download free from web as PDF files

Bulletins

Bulletins cover major topics or tectonic units in Western Australia. The Series began in 1898 with the publication by AG Maitland of the Bibliography of the geology of Western Australia. For all previous bulletins see Catalogue of Pre-1980 Publications.

- | | |
|---|---|
| <p>126. The Meckering and Calingiri earthquakes October 1968 and March 1970
by FR Gordon and JD Lewis
Book \$34.10 or <i>download free from web as PDF file</i> 1980</p> <p>127. Geology of the Pilbara Block and its environs
by AH Hickman
Book \$55.00 or <i>download free from web as PDF file</i> 1983</p> <p>128. Geology of the Bangemall Group; the evolution of a Proterozoic intra-cratonic sedimentary basin
by PC Muhling and AT Brakel (includes Appendix A Stromatolites and other organic remains in the Bangemall Basin, by K Grey)
Book \$55.00 1985
<i>or download free from web as PDF file</i></p> <p>129. Stromatoporoids from the Devonian reef complexes, Canning Basin, Western Australia
by AE Cockbain
Book \$55.00 incl. GST 1984
<i>or download free from web as PDF file</i></p> <p>130. Biostratigraphic studies of stromatolites from the Proterozoic Earaheedy Group, Nabberu Basin, Western Australia
by K Grey
Book \$55.00 incl. GST 1984
<i>or download free from web as PDF file</i></p> <p>131. Geology of the eastern part of the Nabberu Basin, Western Australia
by JA Bunting, with an appendix by K Grey
Book \$59.40 incl. GST 1986
<i>or download free from web as PDF file</i></p> <p>132. The kimberlites and lamproites of Western Australia
by AL Jaques, JD Lewis, and CB Smith
Book \$51.70 incl. GST 1986
<i>or download free from web as PDF file</i></p> | <p>133. Geology of the Carnarvon Basin, Western Australia
by RM Hocking, HT Moors, and WJE van de Graaff
Book \$59.40 incl. GST 1987
<i>or download free from web as PDF file</i></p> <p>134. Geology of the onshore Bonaparte and Ord Basins
by AJ Mory and GM Beere
Book \$59.40 incl. GST 1988
<i>or download free from web as PDF file</i></p> <p>135. Late Jurassic and Early Cretaceous palynology of the Perth Basin, Western Australia
by J Backhouse
Book \$59.40 incl. GST 1988
<i>or download free from web as PDF file</i></p> <p>136. Palaeontology of the Permian of Western Australia
edited by SK Skwarko
Book \$66.00 incl. GST 1993
<i>or download free from web as PDF file</i></p> <p>137. Geological evolution and mineralization of the Murchison Province, Western Australia
by KP Watkins and AH Hickman
Book \$70.40 incl. GST 1990
<i>or download free from web as PDF file</i></p> <p>138. The geology of the Sylvania Inlier and southeast Hamersley Basin
by IM Tyler
Book \$59.40 incl. GST 1991
<i>or download free from web as PDF file</i></p> <p>139. Geology of the Ashburton Basin, Western Australia
by AM Thorne and DB Seymour
Book (out of print) 1991
<i>download free from web as PDF file</i>
Plates 1–2 still available, see Non-series (project) maps for details</p> |
|---|---|

Bulletins

- 140. Miospore assemblages from the Devonian Reef Complexes, Canning Basin, Western Australia**
 by Kathleen Grey
 Book \$48.40 incl. GST **1992**
or download free from web as PDF file
- 141. Geology of the Savory Basin, Western Australia**
 by IR Williams
 Book \$59.40 incl. GST **1992**
or download free from web as PDF file
- 142. Hydrogeology and groundwater resources of the Perth Region, Western Australia**
 by WA Davidson
 Book \$55.00 incl. GST **1995**
or download free from web as PDF file
- 143. The geology of the Halls Creek and King Leopold Orogens**
 by TJ Griffin, IM Tyler et al. **book in prep.**
 (Maps already published, see **Non-series (project) maps**
 above for details of Plates 1–5) **maps 2000**
or download free from web as PDF file
- 144. Geology of the Fortescue Group, Pilbara Craton, Western Australia**
 by AM Thorne and AF Trendall
 Book and set of plates \$66.00 incl. GST
 Set plates \$22.00 incl. GST **2001**
or download free from web as PDF file
- 145. Devonian Reef Complexes of the Canning Basin, Western Australia**
 by PE Playford et al. **coming soon**
 (Maps already published, see **Non-series (project) maps**
 above for details of Plates 1–7) **maps 1998–2007**
or download free from web as PDF file



COMING
SOON

Mineral Resources Bulletins

This list of Mineral Resource Bulletins includes several titles that were published before 1980. They have been included so that descriptions of minerals of significance to the economy of Western Australia are gathered together for ease of reference. Many Mineral Resources Bulletins incorporate a map of the State showing localities of the various deposits and mineral occurrences (also available in digital form). See section **Non-series (project) maps** or check our website for PDF files of various titles.

- | | |
|--|---|
| <p>6. The gypsum deposits of Western Australia
by LE De La Hunty and GH Low
(See also Record 1993/5)
<i>download free from web as PDF file</i></p> <p>7. Iron ores in Western Australia
collated by RR Connolly
<i>download free from web as PDF file</i></p> <p>8. Copper deposits of Western Australia
by GH Low
<i>download free from web as PDF file</i></p> <p>9. The lead, zinc and silver deposits of Western Australia
by JG Blockley
<i>download free from web as PDF file</i></p> <p>10. Heavy mineral sand deposits of Western Australia
by JL Baxter
Book \$25.30, <i>or download free from web as PDF file</i></p> <p>11. Molybdenum, tungsten, vanadium and chromium in Western Australia
by JL Baxter
Book \$14.30, <i>or download free from web as PDF file</i></p> <p>12. The tin deposits of Western Australia, with special reference to associated granites
by JG Blockley
Book \$55.00, <i>or download free from web as PDF file</i></p> <p>13. Copper mineralization in Western Australia
by RJ Marston
Book \$55.00, <i>or download free from web as PDF file</i></p> <p>14. Nickel mineralization in Western Australia
by RJ Marston
Book \$55.00, <i>or download free from web as PDF file</i></p> <p>15. Lead, zinc and silver deposits of Western Australia
by KM Ferguson
Book and map \$55.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>16. Talc, pyrophyllite and magnesite in Western Australia
by PB Abeysinghe
Book \$44.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>17. Barite and fluorite in Western Australia
by PB Abeysinghe and JM Fetherston
Book \$44.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>18. Limestone and limesand resources of Western Australia
by PB Abeysinghe
Book and 2 plates \$55.00 incl. GST
<i>or download free from web as PDF file</i></p> | <p>19. Kaolin in Western Australia
by PB Abeysinghe and JM Fetherston
Book \$44.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>20. Bentonite, attapulgite, and common clays in Western Australia
by PB Abeysinghe
Book \$44.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>21. Silica resources of Western Australia
by PB Abeysinghe
Book \$44.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>22. Tantalum in Western Australia
by JM Fetherston
Book and map \$49.50 incl. GST
<i>or download free from web as PDF file</i></p> <p>23. Dimension stone in Western Australia Volume 1 Industry review and dimension stones of the southwest
by JM Fetherston
Book and map \$55.00 incl. GST
<i>or download free from web as PDF file</i></p> <p>24. Dimension stone in Western Australia Volume 2. The north, central west, and central south
by JM Fetherston
coming soon</p> |
|--|---|



Reports

10. **A chemical and mineralogical study of low-grade zinc mineralization at three localities in the Proterozoic Bangemall Basin of W.A.**
by R Davy 1980
Book \$13.20 incl. GST, or download free from web as PDF file
11. **The Cadoux earthquake, 2 June 1979**
by JD Lewis, NA Daetwyler, JA Bunting, and JS Moncrieff 1981
Book \$13.20 incl. GST, or download free from web as PDF file
12. **Professional papers 1982**
 - (1) Revised Late Jurassic and Early Cretaceous stratigraphy in the Perth Basin;
 - (2) The Waggon Creek Formation — an Early Carboniferous submarine fan deposit in the Bonaparte Gulf Basin;
 - (3) Geochemistry of Archaean metabasaltic lavas, Diemals, Western Australia;
 - (4) Mortimer Hills pegmatite uranium prospect — a Rossing-type uranium deposit in the Gascoyne Province;
 - (5) Bunbury shallow drilling groundwater investigation;
 - (6) Petroleum exploration in Western Australia in 1981;
 - (7) Proterozoic mass-transported breccias — Neereno Hill, Western Australia;
 - (8) Geology and hydrogeology of the Boyanup bore line;
 - (9) A 2557 m.y. banded gneiss at Barret Well near Edjudina, Eastern Goldfields Province;
 - (10) Groundwater in the Blackstone region.
Book \$26.40 incl. GST 1984
or download free from web as PDF file
13. **Economic potential of the Lower Fortescue Group and adjacent units in the southern Hamersley Basin: a study of depositional environments**
by DF Blight 1985
Book and 2 plates \$26.40 incl. GST, or download free from web as PDF file
14. **Professional Papers for 1983**
 - (1) The hydrogeology of Lake Maranginiup, Perth, WA;
 - (2) Carboniferous of Western Australia — a review;
 - (3) Palaeozoic stratigraphy of the Ord Basin, Western Australia and Northern Territory;
 - (4) Structural and stratigraphic relationships in the Archaean granite–greenstone terrains around Cue, WA;
 - (5) The Fraser Complex — a major layered intrusion in Western Australia;
 - (6) A rubidium–strontium date from felsic volcanics within the Mount Roe Basalt of the Wyloo Dome;
 - (7) Rubidium–strontium dates in the Gascoyne Province, WA;
 - (8) Upward-shallowing sequences in the Precambrian Duck Creek Dolomite, WA;
- (9) Stromatolites in the Proterozoic Duck Creek Dolomite, WA;
- (10) Stratabound axinite in the Weeli Wolli Formation and its occurrence in related dolerites.
Book \$26.40 incl. GST 1985
or download free from web as PDF file
15. **Geology of the Gascoyne Province, Western Australia**
by SJ Williams 1986
Book \$44.00 incl. GST
or download free from web as PDF file
16. **Stratigraphy, structure, and economic geology of the Mount Monger area, Eastern Goldfields Province**
by AH Hickman 1986
Book \$24.20 incl. GST
or download free from web as PDF file
17. **The Mount Edgar Batholith, Pilbara area, Western Australia: geochemistry and petrography**
by R Davy and JD Lewis 1986
Book \$22.00 incl. GST
or download free from web as PDF file
18. **Late Devonian sponges of Western Australia**
by J Keith Rigby 1986
Book \$42.90 incl. GST
or download free from web as PDF file
19. **Professional Papers for 1984**
 - (1) Metamorphic patterns in the greenstone belts of the Southern Cross Province, WA;
 - (2) Problematic microstructures in the Proterozoic Discovery Chert, Bangemall Group, WA — Ambient grains or microfossils?;
 - (3) Stromatolite evidence supporting a correlation of the Proterozoic Uaroo and Bangemall Group, WA;
 - (4) The mineral potential of layered igneous complexes within the Western Gneiss Terrain;
 - (5) Liquid-waste disposal in Perth. A hydrogeological assessment;
 - (6) Occurrence, distribution, and origin of smithsonite in the No. 2 lead–zinc deposit at Narlarla, WA;
 - (7) The sedimentology of a tide-influenced fan–delta system in the Early Proterozoic Wyloo Group on the southern margin of the Pilbara Craton, WA;
 - (8) Age and stratigraphy of a sequence of metavolcanic and metasedimentary rocks in the Prairie Downs – Deadman Hill area, southwestern margin of the Sylvania Dome.
Book \$28.60 incl. GST 1986
or download free from web as PDF file
20. **Geochronology of the Gascoyne Province**
by WG Libby, JR de Laeter, and JS Myers 1986
Book \$19.80 incl. GST
or download free from web as PDF file
21. **Regional geology of the Kalgoorlie–Boulder gold-mining district**
by W Keats 1987
Book \$35.20 incl. GST
or download free from web as PDF file

Reports

- 22. Archaean geology of the Mount Narryer region, Western Australia**
by IR Williams and JS Myers
Book \$29.70 incl. GST **1987**
or download free from web as PDF file
- 23. Professional Papers**
- (1) Brachiopods and bivalves of the Kungurian (late Early Permian) age from the top of the Coolkilya Sandstone, Carnarvon Basin, Western Australia;
 - (2) Geology and exploration history of uraniferous and auriferous pyritic conglomerates, Western Australia;
 - (3) Geology and hydrogeology of the superficial formations and coastal lakes between Harvey and Leschenault Inlets (Lake Clifton Project);
 - (4) Geochemical patterns in granitoids of the Corunna Downs Batholith, Western Australia;
 - (5) The transition between the Hamersley and Fortescue Groups as evidenced in a drill core.
- Book \$24.20 incl. GST **1988**
or download free from web as PDF file
- 24. Studies of selected carbonate-hosted lead–zinc deposits in the Kimberley region**
by CR Ringrose
Book \$33.00 incl. GST **1989**
or download free from web as PDF file
- 25. Professional Papers**
- (1) New records of Permian and Cretaceous sediments from the southwestern part of the Yilgarn Block;
 - (2) Hydrogeology of the Binningup borehole line, Perth Basin;
 - (3) Busselton shallow-drilling groundwater investigation;
 - (4) Geology and groundwater resources of the superficial formations between Lancelin and Guilderton, Perth Basin;
 - (5) Structure of the Kalgoorlie greenstones — regional deformation history and implications for the structural setting of gold deposits within the Golden Mile;
 - (6) Palaeocurrent patterns in the Collie Coal Measures — the implications for sedimentation and basin models.
- Book \$24.20 incl. GST **1989**
or download free from web as PDF file
- 26. Professional Papers**
- (1) Geochemical study of inorganic components of the Collie Coal Measures;
 - (2) Geology and groundwater resources of the superficial formations between Pinjarra and Bunbury, Perth Basin;
 - (3) Hydrogeology of the Harvey Borehole Line, Perth Basin;
 - (4) A major thrust in the King Leopold Orogen, West Kimberley Region;
 - (5) Chemistry of plutonic felsic alkaline rocks in the Eastern Goldfields Province;
- (6) Hydrogeology of the Gillingarra Borehole Line, Perth Basin;
 - (7) Thrust sheets on the southern foreland of the Capricorn Orogen, Robinson Range, Western Australia.
- Book \$29.70 incl. GST **1989**
or download free from web as PDF file
- 27. The Silurian Tumblagooda Sandstone, Western Australia**
by RM Hocking
Book \$35.20 incl. GST **1991**
or download free from web as PDF file
- 28. Geology and gold mines of the Bullfinch – Parker Range region, Southern Cross Province, Western Australia**
by W Keats
Book \$52.80 incl. GST **1991**
or download free from web as PDF file
- 29. Geology of the offshore Bonaparte Basin northwestern Australia**
by AJ Mory
Book \$33.00 incl. GST **1991**
or download free from web as PDF file
- 30. Professional Papers**
- (1) Geology and hydrogeology of the Cowaramup borehole line, Perth Basin, Western Australia;
 - (2) Gold-bearing lateritic profiles at Mount Gibson, Murchison Province, Western Australia;
 - (3) Geology, mineralization, and origin of the Mount Clement gold and lead prospects, Ashburton Basin;
 - (4) LAMPNORM — a scheme for calculating the normative minerals of lamproites;
 - (5) The Mount Pleasant Sill, Eastern Goldfields, Western Australia — iron-rich granophyre in a layered high-Mg intrusion.
- Book \$29.70 incl. GST **1991**
or download free from web as PDF file
- 31. A structural study of the southern Perth Basin, Western Australia**
by RP Iasky
Book \$44.00 incl. GST **1993**
or download free from web as PDF file
- 32. Geology of the granite–greenstone terrane of the Lake Lefroy and Cowan 1:100 000 sheets, Western Australia**
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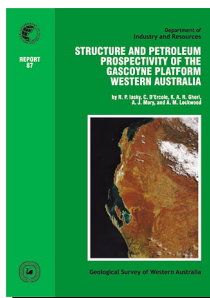
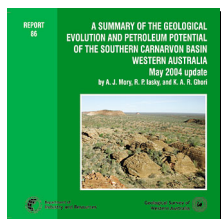
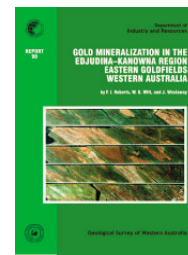
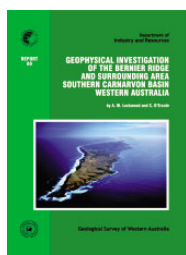
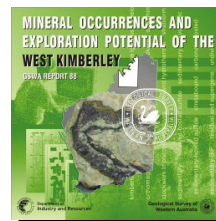
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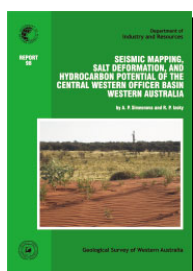
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1983 (cont.)

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by L Kevi
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10. **A practical guide for interpreting the Environmental Geology Map Series**
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11. **Reported resources of West Australian gold deposits as at May 1989**
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12. **The Derby regional groundwater investigation 1987**
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18. **Gold-bearing lateritic profiles at Mount Gibson, Murchison Province — analytical and mineralogical data**
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1. **Summary of progress of the Geological Survey of Western Australia during 1989 and plans for 1990 to 1994/95**
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11. **Permo-Carboniferous petroleum reservoir data, selected wells, Canning Basin, Western Australia**
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12. **GSWA Trainor 1 well completion report, Savory Sub-basin, Officer Basin, Western Australia, with notes on petroleum and mineral potential**
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13. **Mineral resources and locations, Western Australia: digital dataset from MINEDEX**
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(superseded and updated by Record 2002/19, or visit the MINEDEX site at: www.dmp.wa.gov.au/online_databases, or click on the hotlink below; see also **Digital packages**)

1997

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5. **A review of data pertaining to the hydrocarbon prospectivity of the Savory Sub-basin, Officer Basin, Western Australia**
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| <p>7. Geology and Permian coal resources of the Vasse River Coalfield, Perth Basin, Western Australia
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1999

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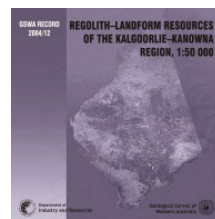
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- 2009/3 Geology and petroleum prospectivity of State acreage release areas L09-1 and L09-2, Broome Platform, Canning Basin**
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Annual Review 1993–94

prepared by Geological Survey of Western Australia **1995**

Technical papers:

- Are there terranes within the Lamboo Complex of the Halls Creek Orogen?
- Investigation of corrosion behaviour of friction rock stabilizers used in underground mines in Western Australia
- The Collie Coalfield: a starting point for Permian Gondwana correlation in a transtension extensional basin
- Base-metal deposits in the Early Proterozoic Glengarry terrane, Western Australia
- Pillow lavas in the Peak Hill and Glengarry terranes
- Tectonic evolution and economic geology of the Paterson Orogen — a major reinterpretation based on detailed geological mapping
- Radon-222 content of groundwater in Western Australia
- Newly recognized Eocene sediments in the Beaufort River Palaeochannel
- U–Pb zircon dating of Archaean greenstones from the Eastern Goldfields
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Annual Review 1994–95

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- Terrane accretion and Cu–Au mineralization at a province boundary: the Ravensthorpe greenstone belt, Western Australia
- Cretaceous fossil wood from Collie
- Reappraisal of the Paterson Orogen and Savory Basin
- Developing a GIS-based exploration-activity spatial index for the WAMEX open-file system
- Geology and tectonic evolution of the Early Proterozoic Glengarry Basin, Western Australia
- Stratigraphic correlations in the Wiluna greenstone belt
- Structural geology of the Duketon area, northeastern Goldfields
- Geology of the southern part of the Yandal greenstone belt, Eastern Goldfields
- Metamorphosed Archaean spherulitic felsic lavas on Mason Hill, Duketon, Eastern Goldfields
- Rb–Sr dating of granite at Windarra and Mount Boreas, near Laverton, Western Australia

Annual Review 1995–96

prepared by Geological Survey of Western Australia **1996**

Technical papers:

- The Gindalbie Terrane as a target for VMS-style mineralization in the Eastern Goldfields Province of the Yilgarn Craton
- The Cadjebut Formation: a Givetian evaporitic precursor to Devonian reef complexes of the Lennard Shelf, Canning Basin, Western Australia

Mafic–felsic magma mingling in the Bow River batholith of the Hall Creek Orogen

The effectiveness of potential-field data in the structural interpretation of a sedimentary basin

Palynology in the search for Proterozoic hydrocarbons

A reappraisal of the stratigraphy of the Glengarry Basin, Western Australia

Structural and stratigraphic relations of the Padbury Group, Western Australia — implications for tectonic history

Models for the geodynamic evolution of the Palaeoproterozoic Glengarry Basin, Western Australia

Magmatic–hydrothermal breccia dykes and hydrothermal alteration in McHale Granodiorite, Halls Creek Orogen: a possible porphyry system

Annual Review 1996–97

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Technical papers:

- Neoproterozoic palynomorphs of the Savory Sub-basin, Western Australia, and their relevance to petroleum exploration
- Skates Hills Formation and Tarcunyah Group, Officer Basin — carbonate cycles, stratigraphic position, and hydrocarbon prospectivity
- Triassic correlations on the Peedamulla Shelf, Carnarvon Basin
- Calculating depth to basement from magnetic and gravity data, with an example from the western Officer Basin
- A revision of the stratigraphy of Archaean greenstone successions in the Roebourne–Whundo area, west Pilbara
- The Mallina Formation, Constantine Sandstone and Whim Creek Group: a new stratigraphic and tectonic interpretation for part of the western Pilbara Craton
- The Tabletop Terrane of the Proterozoic Rudall Complex: preliminary notes on the geology, granitoid geochemistry and tectonic implications
- Prediction of sandstone porosity and permeability — an example from the Southern Carnarvon Basin
- The Earth's pre-4000 Ma history: evidence from trace element and microstructural investigation of 4000 to 4190 Ma zircons from granitic gneisses, northwest Yilgarn Craton
- Provenance studies in the Yerrida Basin: initial report
- Palaeoproterozoic tectonic evolution of the Rudall Complex, and comparison with the Arunta Inlier and Capricorn Orogen
- A Palaeoproterozoic hot spring environment for the Bartle Member cherts of the Yerrida Basin, Western Australia

Annual Reviews

Annual Review 1997–98

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Technical papers:

- Late Archaean volcanism in the Kylene and Maddina Formations, Fortescue Group, west Pilbara
- Revised Archaean stratigraphy of the North Shaw 1:100 000 sheet, Pilbara Craton
- Litho-tectonic and structural components of the North Shaw 1:100 000 sheet, Archaean Pilbara Craton
- Secular compositional changes in Archaean granitoid rocks of the west Pilbara
- Structures in the Cape Preston area, northwest Pilbara Craton — new evidence for a convergent margin
- The Archaean Marymia Inlier — a review of its tectonic history and relationships to the Yilgarn Craton
- The Mesoproterozoic Irregularly Formation, Bangemall Basin: a preliminary interpretation of the type section
- Local compressional structures induced by strike-slip movement in the Edjudina–Laverton area, eastern Yilgarn Craton
- Regolith geochemical mapping as an adjunct to geological mapping and mineral exploration
- Mount Gould micaceous iron oxide
- GSWA Empress 1A and the petroleum evaluation of the western Officer Basin

Annual Review 1998–99

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Technical papers:

- Neoproterozoic successions of the northwestern Officer Basin: a reappraisal
- High-Mg diorite from the Archaean Pilbara Craton; anorogenic magmas derived from a subduction-modified mantle
- A provisional revised stratigraphy for the Bangemall Group on the Edmund 1:250 000 sheet
- The nature of c. 2.0 Ga crust along the southern margin of the Gascoyne Complex
- Geology and alteration of the Merrie greenstone belt
- Structural evolution of the Marda–Diemals area, Southern Cross Province
- Neoproterozoic glaciogene successions, western Officer Basin, Western Australia

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Technical papers:

- Another Jilawarra-style sub-basin in the Bangemall Supergroup — implications for mineral prospectivity
- Copper and associated polymetallic mineralization along the Camel–Tabletop Fault Zone in the Paterson Orogen, Western Australia
- The geochemistry of the Yule Granitoid Complex, East Pilbara Granite–Greenstone Terrane; evidence for early felsic crust
- Mesoproterozoic stratigraphy in the Oldham Inlier, Little Sandy Desert, central Western Australia
- Revised stratigraphy for the Earraheedy Group: implications for the tectonic evolution and mineral potential of the Earraheedy Basin
- Iron–manganese oxides and glauconite-bearing rocks of the Earraheedy Group: implications for the base metal potential of the Earraheedy Basin

Barium–gold mineralization at Quadrio Lake, Oldham Inlier, Little Sandy Desert, Western Australia

Annual Review 2000–2001

prepared by Geological Survey of Western Australia **2002**

Technical papers:

- A revision of the tectonic units of Western Australia
- Are the Neoproterozoic Lamil and Throssell Groups of the Paterson Orogen allochthonous?
- Foraminiferal assemblages in the Fossil Cliff Member of the Holmwood Shale, northern Perth Basin
- High-quality oil-prone source rocks within carbonates of the Silurian Dirk Hartog Group, Gascoyne Platform, Western Australia
- Assembly of a composite granite intrusion at a releasing bend in an active Archaean shear zone
- New occurrences of ‘string of beads’ in the Bangemall Supergroup: a potential biostratigraphic marker horizon
- Cycle types in carbonate platform facies, Devonian reef complexes, Canning Basin, Western Australia

Annual Review 2001–02

prepared by Geological Survey of Western Australia **2003**

Technical papers:

- Stratigraphic revision of the Warrawoona and Gorge Creek Groups in the Kelly greenstone belt, Pilbara Craton, Western Australia
- Geochemistry of the Corunna Downs Granitoid Complex, East Pilbara Granite–Greenstone Terrane, Western Australia
- Stratigraphic and tectonic significance of eight local unconformities in the Fortescue Group, Pear Creek Centrocline, Pilbara Craton, Western Australia
- Seismic stratigraphic framework of the Neoproterozoic successions, Officer Basin, Western Australia

Annual Review 2002–03

prepared by Geological Survey of Western Australia **2003**

Technical papers:

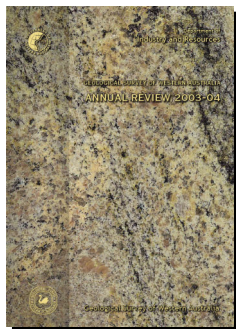
- A seamless digital regolith map of Western Australia: a potential resource for mineral exploration and environmental management
- Kimberley Basin gold
- Zircon provenance in the basal part of the northwestern Officer Basin, Western Australia
- Peperite in the Backdoor Formation and its significance to the age and tectonic evolution of the Bangemall Supergroup
- The effects of the Mesoproterozoic Albany–Fraser Orogeny on the southeastern margin of the Yilgarn Craton

Annual Reviews

Annual Review 2003–04

prepared by Geological Survey of Western Australia **2004**

Technical papers:



Event stratigraphy applied to 700 million years of Archaean crustal evolution, Pilbara Craton, Western Australia

The age and provenance of the Mosquito Creek Formation

The tectonic history of the Waigen area, western Officer Basin, interpreted from geophysical data

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The revised GSWA rock classification scheme

GeoVIEWER.WA — adding value to geological mapping

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Feature articles and technical papers:

Overview of mineral exploration in Western Australia for 2004–05

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The Kimberley gold rush of 1885–86

Aegerine–augite bearing meta-leucogabbros in the Gascoyne Complex

The origin of tourmaline nodules in granites; preliminary findings from the Paleoproterozoic Scrubber Granite

The Bald Hill gold deposits in the Paleoproterozoic Tanami Group, Western Australia

Spatial analysis of gold mineralization information from GSWA's abandoned mine sites database

Mining GSWA's databases — production of exploration leads and targets

Some unusual gold and bismuth mineralization at Mardoonga Hill, Murchison mineral field



Annual Review 2005–06

prepared by Geological Survey of Western Australia **2007**

Feature articles and technical papers:

Overview of mineral exploration in Western Australia for 2005–06

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Impact of regional airborne geophysical surveys on exploration sentiment: GSWA south Yilgarn magnetic and radiometric surveys, 2004–05

Archean tectonics in the Pilbara and Yilgarn Cratons

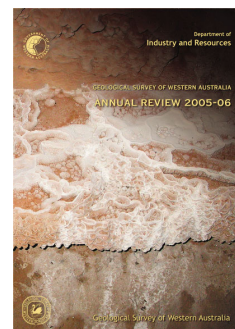
Fingerprinting reservoir sandstone provenance in the Canning Basin using detrital zircons

Geochemical and Nd isotopic signatures of mafic dykes in the western Musgrave Complex

A new lithostructural framework for the central Yilgarn Craton

The Mount Belches Formation — Black Flag Group, a late basin, or something else?

Coyote gold deposit, Granites–Tanami Orogen, Western Australia



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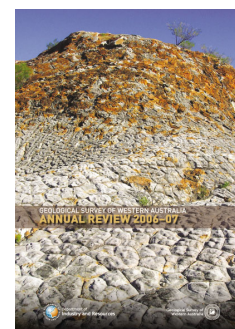
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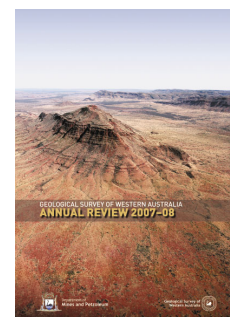
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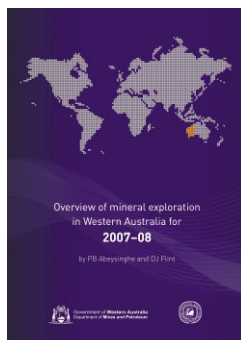


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Canning Stock Route historical maps
by former Surveys and Mapping Division
Historical maps (2) compiled from Alfred Canning's notebooks of his survey expedition of the Canning Stock Route in 1907
Two maps (sheets 1 and 2) \$3.30 each incl. GST **1993**

Armour-stone investigation north of King Bay, Burrup Peninsula, Western Australia
by SJ Brice and PB Abeysinghe
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Free of charge (please subscribe, see page 4) **Quarterly**
PDF versions available at:
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Geology and mineralization of the Chencai – Suichang Uplift, Zhejiang Province, southeast China
by F Pirajno, L Bagas, and AH Hickman
Free on web as PDF file 1996

GSWA catalogue of publications pre-1980
Free on web as PDF file 1997

Memoir 1 (Chapter II Economic Geology, Part III, Section I) Gold deposits of Western Australia
by AG Maitland (1919) (Hesperian Press reprint 1984)
Book out of reprint 1984
Free on web as PDF file

Mineral resources of Western Australia
compiled by RR Connolly
Book \$6.05 incl. GST 1980

Minerals of Western Australia (3 volumes)
by ES Simpson (1948 to 1952)
(Hesperian Press reprint, contact them direct, phone: (08) 9362 5955)
Hardback set of 3 volumes 1984

Palaeontology Reports 1962–1996
Compilation of GSWA Palaeontology Reports (in PDF format) available on CD with browser and simple searching software
CD \$22.00 incl. GST 1999

Phanerozoic correlation chart (superseded) (Western Australia) \$6.05 incl. GST 1988

Technical guidelines relating to groundwater contamination issues (3 separate titles):

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- Stromatolites
- Commodity Fact Sheets
- Earthquakes
- Field Guide to Perth Region
- Geothermal energy
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GSWA Record 2008/11 *free on web as PDF file*

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Structural and metamorphic controls on gold through time and space in the central Eastern Goldfields Superterrane — a field guide (AESC field guide)

by K Czarnota, RS Blewett, and B Goscombe
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Mines and wines of southwestern Western Australia — a field guide (AESC field guide)

by MJ Freeman and MJ Donaldson
GSWA Record 2008/10 *free on web as PDF file*



Kalgoorlie, Youanmi, and Narryer Terranes of the Yilgarn Craton — a field guide (AESC field guide)

compiled by S Wyche, with contributions from S Wyche, CV Spaggiari, CJ Forbes, JA Bunting, N Thébaud, D Hollingsworth, N Culpan, and J Vearncombe
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by AH Hickman and MJ Van Kranendonk
GSWA Record 2008/13 *free on web as PDF file*



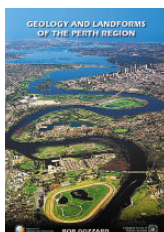
Paleozoic geology of the Canning Basin — a field guide (AESC field guide)

by RM Hocking, PE Playford, PW Haines, and AJ Mory
GSWA Record 2008/18 *free on web as PDF file*

2007

Geology and landforms of the Perth Region (a field guide) 2007

by Bob Gozzard
Book \$22.00 incl. GST
(special price for purchases of 10+ books = \$13.20 incl. GST)



The following three field guides were produced for the Kalgoorlie '07 Conference: *Old Ground New Knowledge*, presented by Geoconferences (WA) Inc, 25–27 September 2007

Stratigraphy and structure of the Kalgoorlie Terrane at Hannan Lake and Mount Hunt — a field guide

compiled by S Wyche
GSWA Record 2007/15 *free on web as PDF file*

Diversity of structurally controlled gold through time and space of the central Eastern Goldfields Superterrane — a field guide

by RS Blewett and K Czarnota
GSWA Record 2007/19 *free on web as PDF file*

A geological traverse across the northern Yilgarn Craton — a field guide

compiled by S Wyche (with contributions from CV Spaggiari, CJ Forbes, JA Bunting, N Thébaud, D Hollingsworth, N Culpan, and J Vearncombe)
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2006

Stratigraphy and physical volcanology of the Archean Kurnalpi Terrane, Yilgarn Craton, Western Australia — a field guide

by PB Groenewald, MG Doyle, SJA Brown, and SJ Barnes
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Geology and mineralization of the east Pilbara — a field guide

by MJ Van Kranendonk, AH Hickman, and DL Huston
(Field Guide for a GSWA excursion in the northern Pilbara Craton 21–26 August 2006)
GSWA Record 2006/16 *free on web as PDF file*

Geology and mineralization of the west Pilbara — a field guide

by AH Hickman, DL Huston, MJ Van Kranendonk, and RH Smithies
(Field Guide for a GSWA excursion in the northern Pilbara Craton 27–30 August 2006)
GSWA Record 2006/17 *free on web as PDF file*

Proterozoic geology of the northwestern Capricorn Orogen — a field guide

by DMcB Martin, S Sheppard, AM Thorne, TR Farrell, and PB Groenewald
GSWA Record 2006/18 *free on web as PDF file*

Geology of the Kalbarri area — a field guide

by RM Hocking and AJ Mory
(Field Guide no. 4 for AAPG International Conference and Exhibition, Perth, November 2006)
GSWA Record 2006/19 *free on web as PDF file*

Geology of the southern Perth Basin and Margaret River wine district, southwestern Western Australia — a field guide

by MJ Freeman and MJ Donaldson
(Field Guide no. 7 for AAPG International Conference and Exhibition, Perth, November 2006)
GSWA Record 2006/20 *free on web as PDF file*

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Geology of the northern Perth Basin, Western Australia — a field guide

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 GSWA Record 2005/9 \$22.00 incl. GST
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Geology of the western Albany–Fraser Orogen, Western Australia — a field guide

by ICW Fitzsimons and C Buchan
 GSWA Record 2005/11 \$22.00 incl. GST
also free on web as PDF file

This field guide was published to accompany the Supercontinents and Earth Evolution Symposium (hosted by the Tectonics Special Research Centre), Fremantle, September 2005.

2004

The Neoproterozoic Throssell Range and Lamil Groups, northwest Paterson Orogen, Western Australia — a field guide

by L Bagas
 GSWA Record 2004/15 \$22.00 incl. GST
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Gold and nickel deposits in the Archaean Norseman–Wiluna greenstone belt, Yilgarn Craton, Western Australia — a field guide

by P Neumayr, M Harris, and S Beresford
 (Field guide for excursion forming part of SEG 2004 Conference, Perth)
 GSWA Record 2004/16 \$22.00 incl. GST
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Major mineral deposits of southwestern Western Australia — a field guide

compiled by MJ Freeman and MJ Donaldson
 (Field guide for excursion forming part of SEG 2004 Conference, Perth)
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Archaean and Proterozoic geology of the southeastern margin of the Yilgarn Craton — a field guide

SA Jones and CE Hall
 (Field guide to accompany GSWA excursion to southeast part of the Eastern Goldfields, 26–28 October 2004)
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2003

Structure and tectonics of the Leeuwin Complex and Darling Fault Zone, Southern Pinjarra Orogen, Western Australia — a field guide

by DP Janssen, AS Collins, and ICW Fitzsimons
 (Field Guide no 12 for Geological Society of Australia Specialist Group in Tectonics and Structural Geology field conference, Kalbarri September 2003)
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