



Australian Government

Department of Industry
Tourism and Resources

2007 RELEASE OF AUSTRALIAN OFFSHORE PETROLEUM EXPLORATION AREAS

DATA – AREAS AC07-1 TO AC07-5 ASHMORE PLATFORM SUB-BASIN, BONAPARTE BASIN

Public access to exploration data in Australia, including digital seismic tapes, well reports and core and cuttings samples is a result of legislation that initially subsidised exploration in return for lodgement and public availability of the data. When the subsidy was removed the requirement that data be lodged with government and made available for future exploration continued.

These open-file reports, data and down-hole samples are available from Geoscience Australia (GA), Canberra and the Northern Territory Department of Primary Industries, Fisheries and Mines (DPIFM), Darwin.

Geoscience Australia, Australia's national geoscientific information agency, also undertakes regional basin studies, assessments of hydrocarbon resources and provides geoscientific data and reports in support of acreage release rounds.

Geoscience Australia is currently establishing a Data Room where specific seismic and well data relevant to current acreage release rounds can be viewed. Appointments to visit this Data Room or to meet with Geoscience Australia officers can be made by contacting Jenny Maher, Petroleum Promotion Co-ordinator, phone 61(0) 2 62499111, e-mail jenny.maher@ga.gov.au

Additional information on the Data Room or Geoscience Australia products that support the 2007 release areas can also be obtained from the Geoscience Australia Acreage Release webpage, http://www.ga.gov.au/oceans/ss_Acreage.jsp

Packages of specific seismic data relevant to the 2007 acreage release area are available in either Geoquest, Kingdom or Landmark format. Digital Well Completion Reports and digital Well Logs (in original format) for specific wells are also available in packages relevant to the 2007 acreage release areas. These data can be ordered through the Geophysical and Geological Data Repository, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au

Available data relevant to the 2007 release areas in the Ashmore Platform, Bonaparte Basin are listed below.

WELL DATA

Well Completion Reports– AC07-1 to AC07-5, Ashmore Platform

Well	Operator	Year	Total Depth (m)	Hydrocarbons
Cartier 1	Santos Limited	1988	2635	
Caversham 1	TCPL Resources Ltd	1992	3080	Oil indication
Delta 1	Elf Aquitaine Exploration Australia Pty Limited	1988	2900	Gas indications
Great Eastern 1	TCPL Resources Ltd	1991	2800	
Gryphaea 1	BHP Petroleum Pty Ltd	1987	3950	Oil & gas indications
Langhorne 1	TCPL Resources Ltd	1991	2600	
Lucas 1	Santos Ltd	1990	2800	No shows
Maple 1	BHP Petroleum	1990	4230	Proven gas zone, oil shows
Mount Ashmore 1	Woodside/Burmah Oil NL	1980	664	
Mount Ashmore 1A	Woodside/Burmah Oil NL	1980	1058	
Paqualin 1	BHP Petroleum	1989	4242	Oil & gas indications
Parry 1	BHP Petroleum	1988	2469	Oil indication
Pituri 1	BHP Petroleum Pty. Ltd.	1994	2124	Proven oil zone, gas indication
Pollard 1	BHP Petroleum Pty. Ltd.	1984	2702	Oil & gas indications
Prion 1	Arco Australia Limited	1974	2960.5	Gas indications
Puffin 1	Arco Australia Limited	1972	2961.1	Potential oil & gas zones
Puffin 2	Arco Australia Limited	1974	2560	Proven oil & gas zones
Puffin 4	BHP Petroleum	1988	2456	Strong oil indication
Puffin 5	AEC International (Australia) Pty Ltd	2000	2414	Gas flowed on test, oil shows
Puffin 6	AEC International (Australia) Pty Ltd	2001	2326	Oil indication
Rainbow 1	BHP Petroleum Pty. Ltd.	1985	2700	
Rothbury 1	TCPL Resources Pty Ltd	1991	3027	Oil indication
Sahul Shoals 1	B.O.C. of Australia Limited	1970	3802.4	Oil & gas indications
Swan 1	Arco Australia Limited	1973	3284.2	Proven gas zone
Swan 2	Citco Australia Petroleum Limited	1980	4063.6	Oil & gas indications
Swan 3 ST1	BHP Petroleum	1991	2530	Proven gas zone, oil shows
Turbo 1	Japex AC Ltd	2000	3900	
Warb 1	Western Mining Corporation Limited	1992	627	
Warb 1A	Western Mining Corporation Limited	1992	2583	Oil recovered
Yarra 1	TCPL Resources Ltd	1990	3248	No shows

Analysis Reports – AC07-1 to AC07-5, Ashmore Platform

Well	Report No	Report Title	Company	Year
Delta 1	DAR0902	Bulk fluid inclusion mass spectrometry of samples from Delta 2.	Amoco Aust Pet Co	1992
Gryphaea 1	DAR0911	Bulk fluid inclusion mass spectrometry of samples from Gryphaea 1.	Amoco Aust Pet Co	1992
Gryphaea 1	DAR1212	Apatite Fission Track Analysis and Vitrinite Reflectance-Browse Basin.	Geotrack International	1999
Lucas 1	DAR0990	Fluid inclusion mass spectrometry on samples from Lucas 1 well.	Amoco Aust Pet Co	1993
Mount Ashmore 1	DAR0926	Bulk fluid inclusion mass spectrometry of samples from Mount Ashmore 1.	Amoco Aust Pet Co	1992
Mount Ashmore 1B	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy.	AGSO	1994
Paqualin 1	DAR1198	Palynological review of wells in Browse Basin.	Coastal Oil and Gas	1997
Pascal 1	DAR0992	Fluid inclusion Mass spectrometry on samples from Pascal 1 well.	Amoco Aust Pet Co	1993
Pokolbin 1	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy.	AGSO	1994
Pollard 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources Ltd	1990
Pollard 1	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Prion 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Not available	1983
Prion 1	DAR0526	Palynology report on the Northern Browse basin, Australia.	Not available	1984
Prion 1	DAR0993	Fluid inclusion mass spectrometry of samples from Prion 1 well.	Amoco Aust Pet Co	
Puffin 1	DAR0340	Geochemistry and significance of coastal bitumen from South and North Aust.	Dept of Nat Dev	1976
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Not available	1983
Puffin 1	DAR0526	Palynology report on the Northern Browse basin, Australia.	Not available	1984
Puffin 1	DAR0650	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.	Robertson Research (Aust) Pty	1986
Puffin 1	DAR0730	Studies in Australian Mesozoic Palynology.	Assoc of Aust Palynology	1987
Puffin 1	DAR0747	Petrography, mineralogy of samples from North West shelf wells, Aust.	IEDS, London	1990

Puffin 1	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Puffin 1	DAR0994	Fluid inclusion mass spectrometry on samples from PUFFin 1 well.	Amoco Aust Pet Co	1993
Puffin 2	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Puffin 3	DAR0254	Preliminary analyses of Australian crude oils for Geochemical studies.	Dept Minerals and Energy	1974
Puffin 3	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Rainbow 1	DAR0650	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.	Robertson Research (Aust) Pty	1986
Rainbow 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources Ltd	1990
Rainbow 1	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Sahul Shoals 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Not available	1983
Sahul Shoals 1	DAR0526	Palynology report on the Northern Browse basin, Australia.	Not available	1984
Sahul Shoals 1	DAR0529	The Permian sediments of the NW shelf of Australia and Timor Indonesia.	University of London	1985
Sahul Shoals 1	DAR0530	Comparison of sandstones from NW shelf Aust. & Kerkenno area Indonesia.	University of London	1985
Sahul Shoals 1	DAR0612	Source rock evaluation of core samples from three wells - NW shelf WA.	Amoco Aust Pet Co	1985
Sahul Shoals 1	DAR0613	XRD mineralogy and TS description of samples from 6 wells on NW shelf.	Amoco Aust Pet Co	1992
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.	Robertson Research (Aust) Pty	1986
Sahul Shoals 1	DAR0730	Studies in Australian Mesozoic Palynology.	Assoc of Aust Palynology	1987
Sahul Shoals 1	DAR0735	Source potential of samples from cores from three WA offshore wells.	BMR	1990
Sahul Shoals 1	DAR0744	Rock-Eval pyrolysis of samples from Sahul Shoals 1 well.	BMR	1990
Sahul Shoals 1	DAR0745	Similarities of the Permian limestones of the NWS and W. Timor.	Uni College of London	1987
Sahul Shoals 1	DAR0747	Petrography, mineralogy of samples from North West shelf wells, Aust.	IEDS, London	1990
Sahul Shoals 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources Ltd	1990

Sahul Shoals 1	DAR0862	New Palynology from Sahul Shoals 1 well.	BP Australia Ltd	1991
Sahul Shoals 1	DAR0995	Fluid inclusion mass spectrometry on samples from Sahul Shoals 1 well.	Amoco Aust Pet Co	1993
Sahul Shoals 1	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy.	AGSO	1994
Sahul Shoals 1	DAR1108	New Palynology Data from Sahul Shoals-1.	BP Australia Ltd	1991
Swan 1	DAR0254	Preliminary analyses of Australian crude oils for Geochemical studies.	Dept Minerals and Energy	1974
Swan 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Not available	1983
Swan 1	DAR0526	Palynology report on the Northern Browse basin, Australia.	Not available	1984
Swan 1	DAR0598	Vitrinite reflectance analyses on samples. from Swan 1.	Esso Australia Limited	1987
Swan 1	DAR0650	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.	Robertson Research (Aust) Pty	1986
Swan 1	DAR0661	Geochemical data for Northwest shelf wells, offshore WA/NT.	BP Australia Ltd	1987
Swan 1	DAR0730	Studies in Australian Mesozoic Palynology.	Assoc of Aust Palynology	1987
Swan 1	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990
Swan 2	DAR0677	Geochemical Data for Swan 2, NW shelf, Australia.	BP Australia Ltd	1988
Swan 2	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources Ltd	1990

Contact Geoscience Australia's Repository for more information regarding access to well completion and analysis reports, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au

SAMPLES

Cores and Cuttings – AC07-1 to AC07-5, Ashmore Platform

Well	Type	Top (m)	Bottom (m)	Comment
Cartier 1	Cuttings	310	2631	
Cash 1	Cuttings	615	2170	
Caversham 1	Cuttings	570	3080	
Cromwell 1A	Cuttings	1642	2032	
Delta 1	Cuttings	450	2900	
Great Eastern 1	Cuttings	545	2800	
Gryphaea 1	Cuttings	470	3948	
Langhorne 1	Cuttings	560	2600	No samples 1378-1892m
Lucas 1	Cuttings	330	2796	
Maple 1	Core	3681	3699.4	Continuous core
Maple 1	Cuttings	610	4230	Unwashed samples
Mount Ashmore 1	Cuttings	1040	2655	
Mount Ashmore 1A	Cuttings	1040	2655	
Paqualin 1	Cuttings	410	4239	Washed and dried samples
Parry 1	Cuttings	390	2469	Washed and dried samples
Pascal 1	Cuttings	450	2850	
Pituri 1	Core	1018	1026.8	
Pituri 1	Cuttings	943	2124	
Pollard 1	Cuttings	480	2703	
Prion 1	Core	2171.4	2180.54	Continuous core
Prion 1	Cuttings	205.13	2959.61	Original depths in feet
Puffin 1	Core	1021.08	1033.27	Continuous core
Puffin 1	Cuttings	1237.49	2961.13	Original depths in feet
Puffin 2	Core	2035.15	2045.51	Continuous core
Puffin 2	Cuttings	807.72	2560.32	Original depths in feet
Puffin 3	Cuttings	249.94	2469.79	Original depths in feet
Puffin 4	Cuttings	372	2456	
Puffin 5	Drill core	2047.3	2061.95	
Puffin 5	Drill cuttings	935	2414	
Puffin 6	Cuttings	948	2326	
Rainbow 1	Cuttings	297	2700	
Rothbury 1	Cuttings	560	3027	
Sahul Shoals 1	Core	780.48	3803.65	Continuous core.
Sahul Shoals 1	Cuttings	317.07	3798.78	
Swan 1	Core	2830.07	2836.47	Continuous core
Swan 1	Cuttings	296.57	3282.7	Original depths in feet
Swan 2	Cuttings	440	4062	
Swan 3	Core	2312	2367.1	Further core see ST - 1
Swan 3	Core	2464	2470.47	Side Track - 1
Swan 3	Cuttings	450	2461	further samples see ST-1
Swan 3	Cuttings	1875	2526	ST-1
Tenacious 1	Cuttings	1724	3205	Including Side Track - 1
Tenacious West 1	Core	2801	2854.3	
Tenacious West 1	Cuttings	1753	2430	

Tenacious West 1	Cuttings	2100	3030	
Turbo 1	Cuttings	640	3900	No samples at intervals 1360 - 1545m, 2019 - 2620m.
Warb 1A	Cuttings	630	2583	
Yarra 1	Cuttings	542	3247	

Contact Geoscience Australia's Repository for more information or to arrange access to core and cuttings, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au.

GEOPHYSICAL DATA

Seismic Surveys – AC07-1 and AC07-2, Ashmore Platform

Vintage	Survey	Operator	Uno	Processed	Field
1965	Montello-Mermaid Shoal Seismic	Burmah Oil Co of Australia	S0650069	No	No
1966	Rankin-Troubadour Seismic	Burmah Oil Co of Australia	S0660090	No	No
1966	Sahul Shelf Seismic	Arco Australia	S0660096	No	Yes
1967	Sahul Rise Seismic	Arco Australia	S0670082	No	Yes
1967	Scott-Cartier Marine Seismic	Burmah Oil Co of Australia	S0670078	No	Yes
1968	Londonderry Rise Seismic	Arco Australia	S0680063	No	Yes
1969	Legendre-Marie M.S.S.	Burmah Oil Co of Australia	S0690066	Yes	Yes
1970	Trimouille-Dillon Seismic	Woodside Oil	S0700120	Yes	yes
1971	Sahul-Ashmore Seismic	Burmah Oil Co of Australia	S8710055	No	Yes
1972	Baldwin Bank Marine Seismic	Arco Australia	S0720001	No	Yes
1973	Dillon Shoals Marine Seismic	Burmah Oil Co of Australia	S0730004	No	Yes
1973	Hat Point Marine Seismic and Magnetic	Arco Australia	S0730001	Yes	Yes
1975	Tessa-Troubadour Seismic	Barkley Oil Co	S0750001	Yes	Yes
1981	NT/P26 1981 Marine Seismic	Citco Australian Petroleum	S8810003	Yes	Yes
1983	H2683A Marine Seismic	BHP Petroleum	S8840012	Yes	Yes
1984	Scientific Investigation 16SL Marine Seismic	GSI	S6810005	Yes	Yes
1986	HB1 Marine Seismic	BHP Petroleum	S8860005	No	Yes
1987	HJ9 Marine Seismic	BHP Petroleum	S8870009	Yes	Yes
1988	HJ10 Marine Seismic	BHP Petroleum	S8890004	Yes	Yes
1989	Eva Marine Seismic	Western Mining Corporation	S8890005	Yes	Yes
1989	HB2 Marine Seismic	BHP Petroleum	S8880001	Yes	Yes
1989	T89A Marine Seismic	TCPL Resources	S8890008	Yes	Yes
1990	AGSO Survey 97; Vulcan Graben 1 M.S.S.	AGSO	S6900041	Yes	Yes
1990	AGSO Survey 98; Vulcan Graben 2 M.S.S.	AGSO	S6900042	Yes	Yes
1990	Coonawarra Marine Seismic	TCPL Resources	S8900010	Yes	Yes
1990	Kym Marine Seismic (3D)	Western Mining Corporation	S8900021	Yes	Yes
1991	1991 Margaret River Marine Seismic	TCPL Resources	S8910004	Yes	Yes
1992	HJ13 Marine Seismic	BHP Petroleum	S8920003	Yes	Yes
1993	AGSO Survey 122 Sahul Shoals M.S.S.	AGSO	S6930023	Yes	Yes
1994	AGSO Survey 130; Browse Basin Infill M.S.S.	AGSO	S6940031	Yes	Yes
1995	AGSO Survey 163; Vulcan Tertiary Tie M.S.S.	AGSO	S6950037	Yes	Yes
1998	SPA BR 98 Marine Seismic (BR97/BR98)	Australian Seismic Brokers	S6980002	Yes	Yes (BR98)

Seismic Surveys – AC07-3, Ashmore Platform

Vintage	Survey	Operator	Uno	Processed	Field
1966	Sahul Shelf Seismic	Arco Australia	S0660096	No	Yes
1967	Sahul Rise Seismic	Arco Australia	S0670082	No	Yes
1968	Londonderry Rise Seismic	Arco Australia	S0680063	No	Yes
1969	Van Dieman Rise Seismic	Arco Australia	S0690097	No	Yes
1971	Gale Bank Seismic	Arco Australia	S0710004	Yes	Yes
1972	Baldwin Bank Marine	Arco Australia	S0720001	No	Yes
1972	Pago Marine Seismic	Arco Australia	S0720002	Yes	Yes
1972	Gulfrefx SI 2SL Reco Marine Seismic	Australian Gulf Oil Co	S8720037	No	Yes
1973	Cartier Marine Seismic	Arco Australia	S0730003	Yes	Yes
1973	Hat Point Marine Seismic and Magnetic	Arco Australia	S0730001	Yes	Yes
1974	Cape Talbot Marine Seismic	Arco Australia	S0740001	Yes	Yes
1976	Van Cloon Marine Seismic	Arco Australia	S0760002	Yes	Yes
1976	York Sound Marine Seismic	Arco Australia	S8760001	Yes	Yes
1979	Woodbine Bank Marine Seismic	Arco Australia	S8790003	No	Yes
1980	NT/P02 Marine Seismic	Citco Australia	S8800006	No	Yes
1983	H2683A Marine seismic	BHP Petroleum	S8840012	Yes	Yes
1984	Vulcan Basin Scientific Investigation Marine	Marathon Petroleum Australia	S8840009	Yes	Yes
1985	HV2 Marine Seismic	BHP Petroleum	S8850001	No	Yes
1987	HV4 Experimental Marine Seismic	BHP Petroleum	S8860007	Yes	Yes
1987	HV5 Marine Seismic	BHP Petroleum	S8870010	No	Yes
1987	Johnson Bank Marine Seismic	Santos Ltd	S8870002	Yes	Yes
1987	XV5 Experimental Marine Seismic	BHP Petroleum	S8870005	No	Yes
1988	Bishop Rock Marine Seismic	Santos Ltd	S8880007	Yes	Yes
1989	HV7 Marine Seismic	BHP Petroleum	S8880006	No	Yes
1989	HV9 Marine Seismic	BHP Petroleum	S8890016	No	Yes
1989	Osborn Marine Seismic	Santos Ltd	S8890020	Yes	Yes
1989	T89A Marine Seismic	TCPL Resources	S8890008	Yes	Yes
1990	AGSO Survey 98;Vulcan Graben 2 M.S.S.	AGSO	S6900042	Yes	Yes
1990	Coonawarra Marine Seismic	TCPL Resources	S8900010	Yes	Yes
1991	HV12 Marine (Puffin 3D)	BHP Petroleum	S8910003	Yes	Yes
1991	1991 Margaret River Marine Seismic	TCPL Resources	S8910004	Yes	Yes
1995	AGSO Survey 163;Vulcan Tertiary Tie M.S.S.	AGSO	S8950037	Yes	Yes
1998	SPA BR 98 Marine Seismic (BR97/BR98)	Australian Seismic Brokers	S6980002	Yes	Yes (BR98)

Seismic Surveys – AC07-4, Ashmore Platform

Vintage	Survey	Operator	Uno	Processed	Field
1966	Ashmore Reef Seismic	Burmah Oil Co	S8670056	No	No
1970	Trimouille-Dillon Seismic	Woodside Oil NL	S0700120	Yes	Yes
1972	Prudhoe-Hibernia Seismic	Burmah Oil Co	S6720085	No	Yes
1973	Mermaid Cartier Marine Seismic	Burmah Oil Co	S6730011	Yes	Yes
1974	Kendrew-Cootundra Marine Seismic	Barkley Oil Co	S6730010	Yes	Yes
1976	Tessa-Troubadour Marine Seismic	Barkley Oil Co	S0750001	Yes	Yes
1978	Hermite-Barton Marine Seismic	Woodside Oil NL	S0780015	No	Yes
1979	Woodbine-Victoria Project 79A	Woodside Oil NL	S6790006	No	Yes
1980	F80 SERIES	To check with map	?????		
1983	Scientific Investigation 17SL Marine Seismic	GSI	S6840031	No	Yes
1984	Vulcan Basin Scientific Investigation Marine	Marathon Petroleum Australia	S8840009	Yes	Yes
1986	86.01 Marine Seismic	Elf Acquitaine	S8860002	No	Yes
1986	HH1 Marine Seismic	BHP Petroleum	S8850006	No	Yes
1993	AGSO Marine Survey 119;Browse Basin M.S.S.	AGSO	S6930071	Yes	Yes
1993	AGSO Marine Survey 119;Browse Basin	AGSO	S6930071	Yes	Yes
1994	AGSO Marine Survey 130;Browse Basin Infill M.S.S.	AGSO	S6940031	Yes	Yes
1996	AGSO Marine Survey 175, Browse Basin	AGSO	S6960034	Yes	Yes
1997	SPA BR 98 Marine Seismic (BR97/BR98)	Australian Seismic Brokers	S6980002	Yes	Yes

Contact Geoscience Australia's Repository for more information regarding access to seismic data, phone 61 (0)2 6249 9222, e-mail ausgeodata@ga.gov.au.

PRODUCTS

Geoscience Australia Reports/Products – AC07-1 to AC07-5, Ashmore Platform

New Reports/Products

- Source rock time-slice maps (TOC, HI, VR), offshore Northwest Australia - 1:3,000,000 scale (GA Catalog No. 61179).
- Oils of Western Australia II: Regional Petroleum Geochemistry and correlation of crude oils and condensates from Western Australia and Papua New Guinea (GA and GeoMark Research, 2005).

Other Reports/Products

- Interpretations of Geoscience Australia's regional seismic data, Survey 98, 100, 116, 118, 119 and 130 (2001) – digital horizon and fault data in ASCII format. GA Catalog No's. 35237, 35239, 35249, 35243, 35244, 35248.
- Line drawings of Geoscience Australia's regional seismic profiles, offshore northern and northwestern Australia. GA Catalog No. 36353.
- Vulcan Sub-basin high-resolution seismic survey VTT-163 and 165, and Interpretation Report. GA Record 1996/61.
- Hydrocarbon Migration and Seepage in the Timor Sea and Northern Browse Basin, North West Shelf, Australia (2001). An integrated SAR, geological and geochemical study; GIS (ArcView) format. GA Record 2001/11. GA Catalog No. 35246.
- Characterisation of Natural Gases from West Australian Basins: Bonaparte Basin Module. GA and Geotechnical Services Non-exclusive Study, 2000.
- Oils of Western Australia: Regional Petroleum Geochemistry and correlation of crude oils. GA and GeoMark Research, 1996.
- Vulcan Sub-basin Geohistory Modelling CD. GA Record 1999/40. GA Catalog No. 31483.
- Vulcan Sub-basin Composite Well Folio CD, 1999. GA Catalog No. 25307.
- Northwestern and Northern Australian margins stratigraphic chart showing GA's interpreted regional seismic horizons, 2001. GA Catalog No. 36454.
- Basin Biozonation and Stratigraphy charts for the Northern Bonaparte Basin, Chart 15, 1998.

Contact Geoscience Australia's Sales Centre for more information or to order these reports or products, phone 61 (0)2 6249 9966, e-mail sales@ga.gov.au

Industry Products

- Australian North West Shelf Digital Atlas, www.nwsda.com

OTHER DIGITAL DATA

AMSIS

The Australian Marine Spatial Information System (AMSIS), a recent release from Geoscience Australia, is an on-line mapping and decision support tool that presents a vast array of Commonwealth interests in Australia's marine jurisdiction. With the cooperation of other Government and private sector agencies, this system integrates administrative boundary information including petroleum leases with scientific data against other background data such as bathymetry.

AMSIS is easy to use and provides access to data via a web browser for those interested in the marine environment without the need for specialised software or mapping skills. AMSIS not only displays 'what's out there', but also allows users to query the information, view metadata, and conduct more advanced functions such as return the nearest distance from a point to a nominated boundary.

AMSIS can be found on the web at: www.ga.gov.au/amsis

AUSTRALIAN GEOLOGICAL PROVINCES DATABASE

The Australian Geological Provinces Database provides interpretive data on Australia's sedimentary, igneous, metallogenic, structural and metamorphic provinces. The database has been jointly developed and populated by the Onshore Energy and Minerals Division of Geoscience Australia, which is concentrating on onshore geological provinces, and the Petroleum and Marine Division, which is capturing data for offshore sedimentary basins. The database provides the mapped extent of Australia's geological provinces, and includes attributes such as size, water depth, tectonic setting, age, sediment thickness, main rock types, depositional environments, main resources, key references, and relations to other geological provinces. It also includes an overview of the geology, exploration status, and petroleum system elements of each province.

The Australian Geological Provinces Database is available online. Access to the database is provided through the Geoscience Australia website using an interactive mapping system, at www.ga.gov.au/oracle/provinces/

The interface allows users to view and select provinces of interest based on their key attributes, and to add key map layers (exploration data, surface geology, images, bathymetry). Database extracts are provided as an html report, and include links to key images (structural element maps, regional cross-sections, stratigraphic and petroleum system charts).

This database interface provides explorers with basic geological information on all offshore sedimentary basins, and many of their component sub-basins, along Australia's continental margin.

NATIONAL PETROLUUM WELLS DATABASE

Geoscience Australia's geological databases provide detailed open file header data, biostratigraphic data, organic geochemical data, reservoir and facies data, interpreted depositional environment information and directional survey data. These data have been extracted from open file Well Completion Reports or are the results of Geoscience Australia studies. These data can be accessed via the following paths:

- Download data for wells relevant to the 2007 Acreage Release areas directly from Geoscience Australia's databases.
http://www.ga.gov.au/oracle/apcrc/ar_list.jsp

- Search page allowing access to all open file wells for the above datasets.
<http://dbforms.ga.gov.au/www/npm.well.search>

- Static file compiled from the Geoscience Australia databases in December 2006. This file is intended for clients without facility to download web data. Data may have been added to the databases after this file was compiled. Clients are encouraged to use the above web download sites in preference to this static file. **Ashmore Platform.zip**

Please contact **sales@ga.gov.au** with any technical problems using the web pages listed above. For technical information on these data contact David Rowland, Petroleum Database Manager, phone 61 (0)2 62499111, e-mail **David.Rowland@ga.gov.au**