



**Australian Government**

**Department of Resources, Energy and Tourism**

## **2008 RELEASE OF AUSTRALIAN OFFSHORE PETROLEUM EXPLORATION AREAS**

### **DATA – RELEASE AREAS AC08-1 TO AC08-3 ASHMORE PLATFORM, 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 has 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 visiting [http://www.ga.gov.au/oceans/oar\\_DataRoom.jsp](http://www.ga.gov.au/oceans/oar_DataRoom.jsp), or emailing [biu@ga.gov.au](mailto:biu@ga.gov.au)

Additional information Geoscience Australia products that support the 2008 release areas can also be obtained from the Geoscience Australia Acreage Release webpage, <http://www.ga.gov.au/oceans/Acreage2008.jsp>

Packages of specific seismic data relevant to the 2008 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 2008 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](mailto:ausgeodata@ga.gov.au)

Available data relevant to the 2008 release areas in the Ashmore Platform, Bonaparte Basin are listed below.

## WELL DATA

### Well Completion Reports– AC08-1 TO AC08-3 , Ashmore Platform

Well	Year <sup>s</sup>	Data Avail <sup>t</sup>	Basic	Interpretive	Well Logs	Additional Data
Ashmore Reef 1	1968	A	Yes	Yes	Yes	
Brown Gannet 1	1972	A	Yes	Yes	Yes	
Cartier 1	1988	A	Yes	Yes	Yes	
Cromwell 1	2001	A	Yes	Yes	Yes	
Cromwell 1A	2001	A	Yes	Yes	Yes	
Great Eastern 1	1991	A	Yes	Yes	Yes	
Langhorne 1	1991	A	Yes	Yes	Yes	
Lucas 1	1990	A	Yes	Yes	Yes	
North Hibernia 1	1974	A	Yes	Yes	Yes	
Pascal 1	1990	A	Yes	Yes	Yes	
Pituri 1	1994	A		Yes	Yes	
Pokolbin 1	1990	A	Yes	Yes	Yes	
Pollard 1	1984	A	Yes	Yes	Yes	
Prion 1	1974	A	Yes	Yes	Yes	
Puffin 1	1972	A	Yes	Yes	Yes	
Puffin 2	1974	A	Yes	Yes	Yes	
Puffin 3	1975	A	Yes	Yes	Yes	
Puffin 4	1988	A	Yes	Yes	Yes	
Puffin 5	2000	A	Yes	Yes	Yes	
Puffin 6	2001	A	Yes			
<b>Puffin 7</b>	<b>2006</b>	<b>C</b>				
<b>Puffin 8</b>	<b>2007</b>	<b>C</b>				
<b>Puffin 9</b>	<b>2006</b>	<b>C</b>				
Rainbow 1	1985	A	Yes	Yes	Yes	
Sahul Shoals 1	1970	A	Yes	Yes	Yes	
Warb 1	1992	A	Yes	Yes	Yes	
Warb 1A	1992	A	Yes	Yes	Yes	
Yarra 1	1990	A	Yes	Yes	Yes	

<sup>s</sup>Year is based on Rig-release date, \* A = All data (Basic and Interpretive) are available, B = Basic data only available, C = Basic and Interpretive data are confidential. NB: Confidential data are unavailable. Data is accurate as at 18 January 2008.

**Analysis Reports – AC08-1 to AC08-3, Ashmore Platform**

Well	Report #	Report Title	Company	Test	Year
Ashmore Reef 1	DR1013	Examination of Triassic samples from Ashmore Reef 1 for Conodonts.	AGSO	Conodonts	NA
Ashmore Reef 1	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy	AGSO	Biostratigraphy	1994
Ashmore Reef 1	DAR0730	Studies in Australian Mesozoic Palynology	Assoc of Aust Palynology	Palynology(Mesozoic)	1987
Ashmore Reef 1	DAR0108	Sidewall core descriptions from Ashmore Reef 1 well.	Dept Nat Dev	Lithology	NA
Ashmore Reef 1	DAR0396	Palaeoecology of Oligo - Miocene larger foraminifera, Australia.	Dept Nat Dev	Palynology	1975
Ashmore Reef 1	DAR0397	Nannofossil and planktic foraminiferal biostratigraphy Indo - Pacific reg.	Dept Nat Dev	Biostratigraphy	1978
Ashmore Reef 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
Ashmore Reef 1	DAR0960	Report on the thermal conductivity of core samples from Ashmore Reef 1.	Monash University	Thermal conductivity	1992
Ashmore Reef 1	DAR1087	Vitrinite Reflectance and Apatite Fission Track Analysis	Monash University	Vitrinite Reflectance	1994
Ashmore Reef 1	DAR1087	Vitrinite Reflectance and Apatite Fission Track Analysis	Monash University	Apatite Fission track	1994
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Lithology	NA
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
Ashmore Reef 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
Ashmore Reef 1	DAR0218	Palynological zonations in Ashmore Reef 1 well.	Robin Helby	Palynology	NA
Ashmore Reef 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources	Petrography	1990
Ashmore Reef 1	DAR1189	Petrography of samples from selected wells in Browse Basin	Texaco Pet Co	Petrography	1998

Ashmore Reef 1	DAR0530	Comparison of sandstones from NW shelf Aust. & Kekneno area Indonesia.	University of London	Petrography	1985
Ashmore Reef 1	DAR0530	Comparison of sandstones from NW shelf Aust. & Kekneno area Indonesia.	University of London	Heavy minerals analysis	1985
Brown Gannet 1	DAR0730	Studies in Australian Mesozoic Palynology	Assoc of Aust Palynology	Palynology(Mesozoic)	1987
Brown Gannet 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Lithology	NA
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
Brown Gannet 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
Langhorne 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003
Lucas 1	DAR0990	Fluid inclusion mass spectrometry on samples from Lucas 1 well.	Amoco Aust Pet Co	Bulk fluid inclusion MS	1993
Lucas 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
North Hibernia 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Lithology	NA
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
North Hibernia 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA

Pascal 1	DAR0992	Fluid inclusion Mass spectrometry on samples from Pascal 1 well.	Amoco Aust Pet Co	Bulk fluid inclusion MS	1993
Pituri 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003
Pokolbin 1	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy	AGSO	Biostratigraphy	1994
Pollard 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003
Pollard 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources	Petrography	1990
Pollard 1	DAR0756	Cretaceous Micropalaeo from sel. Ashmore platform and Swan Graben wells.	TCPL Resources	Micropalaeontology	1990
Prion 1	DAR0993	Fluid inclusion mass spectrometry of samples from Prion 1 well.	Amoco Aust Pet Co	Bulk fluid inclusion MS	1993
Prion 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
Prion 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	Exinite fluorescence	1984
Prion 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	Lithology	1984
Prion 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Bureau of Mineral Resources	TAI and visual Kerogen	1984
Prion 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Bureau of Mineral Resources	Rock - Eval pyrolysis	1984
Prion 1	DAR0526	Palynology report on the Northern Browse Basin, Australia.	Bureau of Mineral Resources	Palynology	1984
Puffin 1	DAR0994	Fluid inclusion mass spectrometry on samples from Puffin 1 well.	Amoco Aust Pet Co	Bulk fluid inclusion MS	1993
Puffin 1	DAR0730	Studies in Australian Mesozoic Palynology	Assoc of Aust Palynology	Palynology(Mesozoic)	1987
Puffin 1	DAR0340	Geochemistry and significance of coastal bitumen from Sth and Nth Aust.	Dept Nat Dev	Organic geochemistry	1976
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Bureau of Mineral Resources	Lithology	1984
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	TAI and visual Kerogen	1984
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	Gas chromatography	1984

Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	Rock - Eval pyrolysis	1984
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	Soluble extract	1984
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	Liquid chromatography	1984
Puffin 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	NA	Exinite fluorescence	1984
Puffin 1	DAR0526	Palynology report on the Northern Browse Basin, Australia.	Bureau of Mineral Resources	Palynology	1984
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Lithology	NA
Puffin 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
Puffin 1	DAR0756	Cretaceous Micropalaeo from selected Ashmore platform and Swan Graben wells.	TCPL Resources	Micropalaeontology	1990
Puffin 2	DAR0756	Cretaceous Micropalaeo from selected Ashmore platform and Swan Graben wells.	TCPL Resources	Micropalaeontology	1990
Puffin 3	DAR0254	Preliminary analyses of Australian crude oils for geochemical studies	Dept Minerals and Energy	Preliminary Oil analyses	1974
Puffin 3	DAR0756	Cretaceous Micropalaeo from selected Ashmore platform and Swan Graben wells.	TCPL Resources	Micropalaeontology	1990
Rainbow 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003
Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Lithology	NA

Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
Rainbow 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA
Rainbow 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources	Petrography	1990
Rainbow 1	DAR0756	Cretaceous Micropalaeo from selected Ashmore platform and Swan Graben wells.	TCPL Resources	Micropalaeontology	1990
Sahul Shoals 1	DAR1076	Late Triassic Conodont & Palynomorph Biostratigraphy	AGSO	Biostratigraphy	1994
Sahul Shoals 1	DAR0612	Source rock evaluation of core samples from three wells - NW shelf WA.	Amoco Aust Pet Co	Source rock geochemistry	1985
Sahul Shoals 1	DAR0613	XRD mineralogy and TS description of samples from 6 wells on NW shelf.	Amoco Aust Pet Co	Mineralogy	1985
Sahul Shoals 1	DAR0995	Fluid inclusion mass spectrometry on samples from Sahul Shoals 1 well.	Amoco Aust Pet Co	Bulk fluid inclusion MS	1993
Sahul Shoals 1	DAR0730	Studies in Australian Mesozoic Palynology	Assoc of Aust Palynology	Palynology(Mesozoic)	1987
Sahul Shoals 1	DAR0735	Source potential of samples from cores from three WA offshore wells.	BMR Geology and Geophysics	Rock - Eval pyrolysis	1990
Sahul Shoals 1	DAR0735	Source potential of samples from cores from three WA offshore wells.	BMR Geology and Geophysics	TOC	1990
Sahul Shoals 1	DAR0744	Rock - Eval pyrolysis of samples from Sahul Shoals 1 well.	BMR Geology and Geophysics	Rock - Eval pyrolysis	1990
Sahul Shoals 1	DAR0744	Rock - Eval pyrolysis of samples from Sahul Shoals 1 well.	BMR Geology and Geophysics	Palynology	1990
Sahul Shoals 1	DAR0744	Rock - Eval pyrolysis of samples from Sahul Shoals 1 well.	BMR Geology and Geophysics	TOC - EOM	1990
Sahul Shoals 1	DAR0862	New Palynology from Sahul Shoals 1 well.	BP Australia Ltd	Palynology	1991
Sahul Shoals 1	DAR1108	New Palynology Data from Sahul Shoals - 1	BP Australia Ltd	Palynology	1991
Sahul Shoals 1	DAR1311	GOI Analysis - Ashmore Platform	Geoscience Australia	GOI Analysis	2003
Sahul Shoals 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	Rock - Eval pyrolysis	1984

Sahul Shoals 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	Exinite fluorescence	1984
Sahul Shoals 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	TAI and visual Kerogen	1984
Sahul Shoals 1	DAR0522	Results of geochemical evaluation of eleven wells, Browse Basin, WA.	Morgan and Associates	Lithology	1984
Sahul Shoals 1	DAR0526	Palynology report on the Northern Browse Basin, Australia.	Morgan and Associates	Palynology	1984
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Kerogen composition	NA
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Spore colour index	NA
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	TOC - EOM	NA
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Vitrinite reflectance	NA
Sahul Shoals 1	DAR0650	Petroleum Geology & Geochemistry, NW shelf WA - Phase 2, Vol 3, Part 6c.	Robertson Research (Aust) Pty	Rock - Eval pyrolysis	NA
Sahul Shoals 1	DAR0753	Petrography of Triassic Reservoir sandstones from four Timor sea wells.	TCPL Resources	Petrography	1990
Sahul Shoals 1	DAR0529	The Permian sediments of the NW shelf of Australia and Timor Indonesia.	University of London	Sedimentology	1985
Sahul Shoals 1	DAR0530	Comparison of sandstones from NW shelf Aust. & Kekneno area Indonesia.	University of London	Petrography	1985
Sahul Shoals 1	DAR0530	Comparison of sandstones from NW shelf Aust. & Kekneno area Indonesia.	University of London	Heavy minerals analysis	1985
Sahul Shoals 1	DAR0745	Similarities of the Permian limestones of the NW. shelf and W. Timor.	University of London	Palaeogeography	1987
Warb 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003
Yarra 1	DAR1339	Hydrocarbon Petrography of Vulcan Sub-basin, WA & NT, Exmouth & Barrow Sub-basin	CSIRO	Fluid Inclusion	2003

Data is accurate as at 17 December 2007.

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](mailto:ausgeodata@ga.gov.au)

## PHYSICAL DATA

### Cores and Cuttings – AC08-1 TO AC08-3, Ashmore Platform

Confid*	Area	Well	Test Type	Top (m)	Bottom (m)
OF	AC08-1	Ashmore Reef 1	Cuttings	103.65	3914.63
OF	AC08-1	Ashmore Reef 1	Core	342.98	3790.54
OF	AC08-3	Brown Gannet 1	Cuttings	1082.04	2743.2
OF	AC08-3	Cartier 1	Cuttings	310	2631
OF	AC08-2	Cromwell 1	No Samples submitted to date		
OF	AC08-2	Cromwell 1A	Cuttings	1642	2032
OF	AC08-2	Great Eastern 1	Cuttings	545	2800
OF	AC08-2	Langhorne 1	Cuttings	560	2600
OF	AC08-3	Lucas 1	Cuttings	330	2796
OF	AC08-1	North Hibernia 1	Cuttings	315	4000
OF	AC08-3	Pascal 1	Cuttings	450	2850
OF	AC08-3	Pituri 1	Core	1018	1026.8
OF	AC08-3	Pituri 1	Cuttings	943	2124
OF	AC08-2	Pokolbin 1	No Samples submitted to date		
OF	AC08-2	Pollard 1	Cuttings	480	2703
OF	AC08-3	Prion 1	Core	2171.4	2180.54
OF	AC08-3	Prion 1	Cuttings	1310.64	2394.2
OF	AC08-3	Prion 1	Cuttings	205.13	2959.61
OF	AC08-3	Puffin 1	Core	1021.08	1033.27
OF	AC08-3	Puffin 1	Cuttings	1237.49	2961.13
OF	AC08-3	Puffin 2	Core	2035.15	2045.51
OF	AC08-3	Puffin 2	Cuttings	807.72	2560.32
OF	AC08-3	Puffin 3	Cuttings	249.94	2469.79
OF	AC08-3	Puffin 4	Cuttings	372	2456
OF	AC08-3	Puffin 5	Core	2047.3	2061.95
OF	AC08-3	Puffin 5	Cuttings	935	2414
OF	AC08-3	Puffin 6	Cuttings	948	2326
OF	AC08-2	Rainbow 1	Cuttings	297	2700
OF	AC08-2	Sahul Shoals 1	Core	780.48	3803.65
OF	AC08-2	Sahul Shoals 1	Cuttings	317.07	3798.78
OF	AC08-2	Warb 1	Cuttings	630	895
OF	AC08-2	Warb 1A	Cuttings	630	2583
OF	AC08-2	Yarra 1	Cuttings	542	3247

\* Confidentiality denotes whether 1) interpretive and basic data is open file (OF) or 2) only basic data is open file (B). Data is accurate as at 19 December 2007.

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](mailto:ausgeodata@ga.gov.au).

## GEOPHYSICAL DATA

### SEISMIC SURVEYS – AC08-1, ASHMORE PLATFORM

Survey Name	Client	Line km's	Snip ID	Year	PIMS ID	Processed data	Field data
Van Dieman Rise	Arco	1388	340	1969	S0690097	No	Yes
Prudhoe-Hibernia	Burmah Oil	2561	596	1972	S6720085	Yes	Yes
86.01 Marine Seismic & Magnetic	Elf Aquitaine Petroleum	2026	630	1986	S8860002	No	Yes
T89A	TCPL Resources	2465	250	1989	S8890008	Yes	Yes
AGSO Marine Survey 98, Vulcan Graben 2	Geoscience Australia	1909	2404	1990	S6900042	Yes	Yes
AGSO Marine Survey 130, Browse Basin	AGSO	3692	741	1994	S6940031	Yes	Yes
Timor Sea Spec Marine Seismic	Digicon	2403	661	1996	S0950001	tba	tba
Browse 98	Veritas	23892	2851	1998	S8980012	No	No

Data is accurate as at 17 December 2007

### SEISMIC SURVEYS – AC08-2, ASHMORE PLATFORM

Survey Name	Client	Line km's	Snip ID	Year	PIMS ID	Processed data	Field data
Sahul Rise	Arco	15178	339	1967	S0670082	No	Yes
Van Dieman Rise	Arco	1388	340	1969	S0690097	No	Yes
Baldwin Bank	Arco	3261	332	1972	S0720001	No	Yes
Hat Point	Arco	2460	334	1973	S0730001	No	Yes
H2683A	BHPP	1678	2499	1984	S8840012	Yes	Yes
HV2	BHP	413	247	1985	S8850001	No	Yes
Johnson Bank	Santos Ltd	1529	222	1987	S8870002	Yes	Yes
Eva	Western Mining	1162	236	1989	S8890005	Yes	Yes
T89A	TCPL Resources	2465	250	1989	S8890008	Yes	Yes
TR89A	TCPL Resources	5537	260	1989	S8890009	Yes	Yes
TS89A	TCPL Resources	1347	217	1989	S8890010	Yes	Yes
AGSO Marine Survey 97, Vulcan Graben 1	Geoscience Australia	1101	2403	1990	S6900041	Yes	Yes
AGSO Marine Survey 98, Vulcan Graben 2	Geoscience Australia	1909	2404	1990	S6900042	Yes	Yes
Osborn	Santos Ltd	325	216	1990	S8890020	Yes	Yes
1991 Margaret River	TCPL Resources	1607	203	1991	S8910004	Yes	Yes
AGSO Marine Survey 122, Sahul Shoals	Geoscience Australia	897	2412	1993	S6930023	Yes	Yes
AGSO Marine Survey 130, Browse Basin	AGSO	3692	741	1994	S6940031	Yes	Yes
AGSO Marine Survey 163, Vulcan Tertiary Tie	not known	3856	1830	1995	S6950037	Yes	Yes
2D Coastal 1998	Coastal Oil & Gas Corporation	1693	1504	1998	S8980009	Yes	No
Browse 98	Veritas	23892	2851	1998	S8980012	No	No

Data is accurate as at 17 December 2007

## SEISMIC SURVEYS – AC08-3, ASHMORE PLATFORM

Survey Name	Client	Line km's	Snip ID	Year	PIMS ID	Processed data	Field data
Van Dieman Rise	Arco	1388	340	1969	S0690097	No	Yes
Baldwin Bank	Arco	3261	332	1972	S0720001	No	Yes
Prudhoe-Hibernia	Burmah Oil	2561	596	1972	S6720085	Yes	Yes
Cartier	Arco	4099	588	1973	S0730003	No	Yes
Hat Point	Arco	2460	334	1973	S0730001	No	Yes
Van Cloon	Arco	1299	2525	1976	S0760002	No	Yes
H283A	BHP	1472	2501	1983	S8830004	No	Yes
H283A	BHP	1472	2501	1983	S8830004	No	Yes
86.01 Marine Seismic & Magnetic	Elf Aquitaine Petroleum	2026	630	1986	S8860002	No	Yes
Johnson Bank	Santos Ltd	1529	222	1987	S8870002	Yes	Yes
Bishop Rocks	Santos Ltd	287	234	1988	S8880007	Yes	Yes
HV7	BHP	936	210	1989	S8880006	Yes	Yes
T89A	TCPL Resources	2465	250	1989	S8890008	Yes	Yes
AGSO Marine Survey 98, Vulcan Graben 2	Geoscience Australia	1909	2404	1990	S6900042	Yes	Yes
Osborn	Santos Ltd	325	216	1990	S8890020	Yes	Yes
1993 Ammonite Marine Seismic	MIM Petroleum	547	190	1993	S8930005	Yes	Yes
AGSO Marine Survey 130, Browse Basin	AGSO	3692	741	1994	S6940031	Yes	Yes
AGSO Marine Survey 163, Vulcan Tertiary Tie	not known	3856	1830	1995	S6950037	Yes	Yes
Browse 98	Veritas	23892	2851	1998	S8980012	No	No

Data is accurate as at 17 December 2007

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](mailto:ausgeodata@ga.gov.au).

## PRODUCTS

### Geoscience Australia Reports/Products

- Oils of Western Australia II: Regional petroleum geochemistry and correlation of crude oils and condensates from Western Australia and Papua New Guinea. Geoscience Australia and GeoMark Research. (2005)
- Source rock time-slice maps (TOC, HI, VR), offshore northwest Australia — 1:3,000,000 scale. (2004) GeoCat # 61179.
- Northwestern and northern Australia margins stratigraphic chart showing Geoscience Australia's interpreted regional seismic horizons. (2001). GeoCat # 36454.
- Line drawings of Geoscience Australia's regional seismic profiles, offshore northern and northwestern Australia. (2001) GeoCat # 36353.
- 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. (2001) AGSO Record 2001/011. GeoCat # 35246.
- 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. (2001) GeoCat # 35237, 35239, 35249, 35243, 35244, 35248 respectively.
- Characterisation of natural gases from West Australian Basins: Bonaparte Basin module. AGSO and Geotechnical Services Non-exclusive Study. (2000)
- Vulcan Sub-basin geohistory modelling CD. (1999) AGSO Record 1999/040. GeoCat # 31483.
- Vulcan Sub-basin composite well folio CD. (1999) GeoCat # 25307.
- Northern Bonaparte biozonation and stratigraphy chart 15. (1998)
- Vulcan Tertiary Tie (VTT) basin study, Vulcan Sub-basin, Timor Sea, northwestern Australia. (1996) AGSO Record 1996/061. GeoCat # 25189.

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](mailto:sales@ga.gov.au)

### Industry Products

- Australian North West Shelf Digital Atlas, [www.nwsda.com](http://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](http://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/](http://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 PETROLEUM 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 2008 Acreage Release areas directly from Geoscience Australia's databases.  
[http://www.ga.gov.au/oracle/apcrc/ar\\_list.jsp](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 January 2008. 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. [AR08\\_Ashmore.zip](#)

Please contact [sales@ga.gov.au](mailto: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 6249 9111, e-mail [David.Rowland@ga.gov.au](mailto:David.Rowland@ga.gov.au)