



Australian Government

Department of Industry
Tourism and Resources

2007 RELEASE OF AUSTRALIAN OFFSHORE PETROLEUM EXPLORATION AREAS

DATA – AREAS V07-1 TO V07-3 GIPPSLAND BASIN RELEASE AREAS

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.

Geophysical Data is available from GeoScience Victoria. Contact GeoScience Victoria's Customer Service Centre for more information on how to access these data, phone 136 186 or email customer.service@dpi.vic.gov.au

Information on GeoScience Victoria's petroleum data holdings can also be queried via the online mapping tool, **GeoVic**.

Data held by Geoscience Australia's Data that is relevant to the 2007 release areas in the Gippsland Basin are listed below.

WELL DATA

Well Completion Reports – V07-1 to V07-3, Gippsland Basin

Well	Operator	Year	Total Depth (m)	Hydrocarbons
Admiral 1	Esso Australia Resources Limited	1989	2162	Oil & gas indications
Basker 1	Shell Development (Australia) Pty Ltd	1983	3991	Proven oil & gas zones
Basker 2	Anzon Australia Limited	2005	3414	N/A
Bignose 1	Shell Development (Australia) Pty Ltd	1983	3995	Proven gas zone, oil indications
Blackback 1	Esso Exploration and Production Australia Inc.	1989	3400	Proven oil zone
Blackback 1 ST1	Esso Exploration and Production Australia Inc.	1989	3047	Oil & gas indications
Blackback 1 ST2	Esso Exploration and Production Australia Inc.	1989	4401	Oil & gas indications
Blackback 2	Esso Australia Resources Ltd.	1992	3160	Proven oil & gas zones
Blackback 3	Esso Australia Resources Ltd.	1994	3125	Oil indication
Culverin 1	Nexus Energy Services Pty Ltd	2006	3758	N/A
Dart 1	Esso Exploration and Production Australia Inc.	1973	1219	
Grunter 1	Esso Exploration and Production Australia Inc.	1984	3809	Proven oil & gas zones
Gummy 1	The Shell Company of Australia Limited	1990	3563	Potential oil zone, oil indications
Hammerhead 1	Shell Development (Australia) Pty Ltd	1982	2130	Oil & gas indications
Hapuku 1	Esso Exploration and Production Australia Inc.	1975	3649.7	Proven oil & gas zones
Judith 1	The Shell Company of Australia Limited	1989	2958	Oil & gas indications
Leatherjacket 1	Esso Exploration and Production Aust. Inc.	1986	951	Proven oil & gas zones
Maclean 1	Bass Strait Oil Company Pty Ltd	2005	766	N/A
Manta 1	Shell Development (Australia) Pty. Ltd.	1984	3572	Proven oil & gas zones
Manta 2	Anzon Australia Limited	2006	971	N/A
Scallop 1	Esso Australia Resources Pty Ltd.	2003	3174	Potential oil & gas zones
Shark 1	Shell Company of Australia Ltd	1989	3518	
Sole 1	Shell Development (Australia) Pty. Ltd.	1973	1128.7	Oil & gas indications
Sole 2	Basin Oil Pty. Ltd.	2002	1005	Proven gas zone, oil indications
Stonefish 1	Esso Australia Ltd.	1973	3183.6	Oil recovered, gas indication
Sweep 1	Esso Exploration and Production Australia Inc.	1978	900	
Terakihi 1	Esso Australia Resources Ltd	1990	3040	Proven oil zone
Volador 1	Shell Development (Australia) Pty Ltd	1983	1417	

Volador 1 ST1	Shell Dev (Aust) P/L	1983	4611	Proven oil & gas zones
Wahoo 1	Esso Exploration and Production Australia Inc	1969	745.5	
Whale 1	Hudbay Oil (Australia) Ltd	1981	810	Strong oil indication
Whaleshark 1	Esso Australia Resources Ltd	1992	2870	

Analysis Reports – V07-1 to V07-3, Gippsland Basin

Well	Report No	Report Title	Company	Year
Basker 1	DAR0680	Rock-Eval pyrolysis on samples from seven wells in the Gippsland basin.	BMR	1987
Blackback 2	DAR1060	A Core Analysis Report For Blackback#2	Esso Australia Limited	1994
Hapuku 1	DAR0618	Petrography and diagenesis of core samples from Gippsland basin Victoria	BP Australia Ltd	1986
Hapuku 1	DAR0669	Sample and core descriptions of five wells in Vic/P20 and Hapuku 1 well.	Petrofina Explor	1987
Volador 1	DAR0680	Rock-Eval pyrolysis on samples from seven wells in the Gippsland basin.	BMR	1987
Wahoo 1	DAR0730	Studies in Australian Mesozoic Palynology	Assoc of Aust Palynology	1987

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 – V07-1 to V07-3, Gippsland Basin

Well	Type	Top (m)	Bottom (m)	Comment
Admiral 1	Cuttings	840	2162	
Basker 1	Core	3108	3126.47	Continuous core
Basker 1	Cuttings	510	3991	
Bignose 1	Cuttings	690	3995	
Blackback 1	Core	2903	2924.5	
Blackback 1 ST 1	Core	2908.6	2924.5	
Blackback 1	Cuttings	1470	4400	
Blackback 2	Core	2797	2869.1	Core-1 not recovered
Blackback 2	Cuttings	1180	3160	
Blackback 3	Core	2835	2870.43	
Dart 1	Cuttings	271.27	1219.2	
Great White 1	Cuttings	1480	3470	
Grunter 1	Core	3389	3451	Continuous core
Grunter 1	Cuttings	270	3809	
Gummy 1	Cuttings	570	3536	
Hammerhead 1	Cuttings	210	2130	
Hapuku 1	Core	2817.88	2850.18	Continuous core
Hapuku 1	Cuttings	530.35	3649.68	
Judith 1	Cuttings	255	2958	
Leatherjacket 1	Cuttings	270	951	
Manta 1	Core	3300	3308	Continuous core
Manta 1	Cuttings	670	3572	
Northright 1	Cuttings	250	391	
Scallop 1	Cuttings	917	3174	
Shark 1	Cuttings	696	3518	
Sole 1	Cuttings	295.66	1127.76	
Sole 2	Cuttings	657	1005	
Stonefish 1	Cuttings	265.18	3182.11	
Sweep 1	Cuttings	238	900	
Terakihi 1	Core	2844	2872.48	
Volador 1	Cuttings	560	4611	
Wahoo 1	Core	438.91	623.93	Continuous core
Wahoo 1	Cuttings	243.84	743.71	
Whale 1	Cuttings	220	810	
Whaleshark 1	Cuttings	1510	2870	

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.

PRODUCTS

GeoScience Victoria Reports/Products – V07-1 to V07-3, Gippsland Basin

- VIMP Report 92: Hydrocarbon Prospectivity of Areas V07-1, V07-2 and V07-3, northeastern offshore Gippsland Basin, Victoria, Australia
- GeoVic Online Mapping Tool.

Contact GeoScience Victoria's Customer Service Centre for more information or to order this product, phone 136 186 or email [**customer.service@dpi.vic.gov.au**](mailto:customer.service@dpi.vic.gov.au)

Geoscience Australia Reports/Products – V07-1 to V07-3, Gippsland Basin

- AGSO regional deep-seismic surveys 82 & 90, reprocessed by GA and NOPEC, November 2001.
- Gravity, Magnetic and Bathymetry grids from levelled data for Southern and Southeast Australia.
- Oils of Eastern Australia: Regional Petroleum Geochemistry and correlation of crude oils (AGSO and GeoMark Research).
- Regional Deep structure of the Gippsland Basin (AGSO Record 1993/13).

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)

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. **Gippsland Basin.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**