DPIE
PETROLEUM PRODUCTS

Seismic
Reports
Maps & Wall Charts
National Databases
Petroleum Statistics
Potential Fields
& Remote Sensing
Prospectivity
Packages

Seismic data

- Regional deep- and conventional-seismic surveys ***(relevant to all release areas except Gulf of Carpentaria Q98-1 to 3).***
- Northern Carnarvon Basin high-resolution seismic survey CTT–136 ***(areas W98-25 to 30).***
- Vulcan Sub-basin high-resolution seismic survey VTT–163 and 165 ***(areas AC98-1 to 5; W98-1 & 2).***
- Yampi Shelf high-resolution seismic survey YST–165 ***(areas W98-1, 2, 3, 7, 8 & 9).***
- Browse Basin high-resolution seismic survey BBHR–175 ***(area W98-2).***

Enquiries about AGSO seismic data (inc. price) should be directed to Chris Johnston at Nopec International (tel. +61 8 9321 5295, fax +61 8 9321 5312, e-mail chrisj@nopec.com.au).

Potential-fields and other remotely sensed data

- High-resolution aeromagnetic surveys in the Petrel Sub-basin ***(areas NT98-5 & 6),*** southern Vulcan Sub-basin ***(areas AC98-4 & 5),*** Otway Basin ***(areas S98-1; V98-2 to 5),*** and King Island and Sorell Sub-basins ***(areas T98-1 & 2***)[1].
- In collaboration with Desmond Fitzgerald & Associates, AGSO has enhanced ship-track gravity, magnetic and bathymetric datasets acquired in the Timor Sea region (lat. 9–18°S, long. 120–132°E) since 1963. These data have been gridded in conjunction with onshore data, and will be available for purchase in the second quarter of 1998 ***(relevant to all Timor Sea areas)*** [2].
- Airborne laser fluorescence (ALF) data in the southern Vulcan Sub-basin ***(areas AC98-4 & 5)***[3].

Geological/geophysical/geochemical reports

- Interpretation study reports for the northern Carnarvon Basin (CTT; *AGSO Record 1996/36*), Yampi Shelf (YST; *AGSO Record 1996/60*), Vulcan Sub-basin (VTT; *AGSO Record 1996/61*), and Browse Basin (BBHR; *AGSO Record 1997/38*) high-resolution seismic surveys (prices depend upon purchases of seismic data) ***(see above Seismic Data for list of relevant release areas)***[3, 4].
- Western Australian Oils Study: regional petroleum geochemistry and correlation of crude oils (US$ 42,500) ***(relevant to all WA release areas)***[18]
- Australian Petroleum Systems studies including Dampier Sub-basin module, Barrow-Exmouth Sub-basins module ***(areas W98-25 to 30),*** Roebuck-Offshore Canning-Beagle Sub-basin module ***(areas W98-10 to 24***), Exmouth Plateau and Outer Rankin Platform module ***(areas W98-25 to 30),*** and Browse Basin module ***(areas W98-4, 7, 8 & 9)*** (prices on application)[16.]
- 'Vulcan Sub-basin, Timor Sea: an integrated structural study of image processed aeromagnetic and selected seismic data' (*BMR Folio 6*, 1992, $12 000) ***(areas AC98-1 to 5; W98-1 & 2)***[3].
- 'Interpretation of aeromagnetic data over the southern Joseph Bonaparte Gulf in the context of petroleum prospectivity' (*AGSO Record 1995/40*, $300) ***(areas NT 98-3 to 6)***[1].
- Petrel Sub-basin 1995-1996 study — comprising summary report (*AGSO Record 1996/40*); well folio; map and seismic folio; stratigraphic chart; gravity-modelling report (*AGSO Record 1996/41*); organic geochemistry report, inc. databases (*AGSO Record 1996/42*); and geohistory-modelling report (*AGSO Record 1996/43*): total package, $4000 ***(areas NT98-3 to 6)***[5].
- 'Browse Basin organic geochemistry study, North West Shelf, Australia: interpretation report' (*AGSO Record 1997/57*, $30 000; discounts apply to clients purchasing other products of the Browse Basin project) ***(areas***
- ***W98-2, 3, 7, 8 and 9)***[6].
- North West Shelf project — palaeomagnetic framework: 1, 'Review of reconstruction models' (*AGSO Record 1996/51*, $35); 2, 'Palaeomagnetic and geologic constraints on reconstructions' (*AGSO Record 1996/52*, $25) ***(relevant to all NW Shelf areas)***[7].
- 'North West Shelf project: A lineament tectonic study of the basement architecture of northwestern Australia' (*AGSO Record 1996/50, $500*) ***(relevant to all NW Shelf areas)***[8].
- 'The tectonic framework of the Canning Basin, WA' (*AGSO Record 1994/48*, $95) ***(areas W98-10 to 24)***[9].
- 'North Perth Basin study' (*BMR Folio 3*, 1989, $95) ***(area W98-31)***[10].
- 'Offshore Otway Basin study' (*BMR Folio 2*, 1988, $95) ***(S98-1 & 2, V98-2 to 5)***[11].
- 'Western Otway Basin aeromagnetic dataset: images and interpretations' (*AGSO Record 1993/14*, $25) ***(S98-1 & 2).***[1]
- 'Offshore Otway Basin aeromagnetic interpretation' (*AGSO Record 1997/24*, $300) ***(areas S98-1, V98-2 to 5)***[1].
- 'Correlation of marine seismic and high-resolution airborne magnetic data: a case study in the western Otway Basin, offshore Victoria' (*AGSO Record 1995/52*, $100) ***(areas S98-1, V98-2 to 5)***[1].
- 'Western Tasmanian margin — seismic interpretation and mapping' (*BMR Record 1991/70*, $150) ***(areas T98-1 & 2)***[12].

Maps and wall charts

- ‘Basins of Australia’ 1:6 000 000-scale map ($70) ***(relevant to all areas)***[17].
- ‘Transects of the Australian continental margin’ poster: 1:1 000 000 cross-sections based on interpreted seismic profiles ($65) ***(relevant to all areas except Gulf of Carpentaria)***[13].
- ‘Tectonic elements of the North West Shelf, Australia’ 1:2 500 000-scale map ($95); also available as a digital database ***(relevant to all NW Shelf areas)***[13].
- ‘Atlas of the offshore Tasmanian region: swath-mapping and geophysical maps from AGSO’s 1994 Tasmante survey’ ($250) ***(areas T98-1 & 2)***[14].
- ‘Arafura Sea seismic structure maps’ (*AGSO Record 1995/64*, $150) ***(areas NT98-7 to 10)***[12].
- *Basin Biozonation and Stratigraphy Charts* for the Arafura ***(areas NT98-7 to 10)***; Petrel ***(areas NT 98-3 to 6)***; northern Bonaparte ***(areas NT98-1 to 6, AC98-1 to 5, W98-1 to 6)***; Browse ***(areas W98-7 to 9)***; Canning, offshore Canning/Roebuck ***(areas W98-10 to 24)***; northern and southern Carnarvon ***(areas W98-25 to 30)***; Perth ***(area W98-31)***; Otway ***(areas S98-1 & 2, V98-2 to 5)***; and Sorell Basins ***(areas T98-1 & 2)*** ($150 each)[15].

National Databases

- ‘Oils of Australia’: regional petroleum geochemistry and correlation of crude oils from Australia’s sedimentary basins (includes final report)(US $52,500) ***(relevant to most areas)***[18].
- ‘Stratdat’: interpretative biostratigraphic database (price on application) ***(relevant to most areas)***[16].
- ‘Refacs’: interpretative reservoir/facies database (price on application) ***(relevant to most areas)***[16].

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General enquiries about AGSO's contribution to the 1998 acreage release program should be directed to:
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Jim Colwell (tel. +61 2 6249 9346, e-mail jcolwell@agso.gov.au, fax +61 2 6249 9980).

Petroleum Prospectivity Bulletins and Data Packages

- ‘Southern Timor Sea, Bonaparte Basin’. The bulletin and data package undertaken for the 1997 Release, contains geological and geophysical data useful in the evaluation of this region and is directly relevant to 1998 Release Areas abutting it to the south. (Single purchase price A$5000*)
- ‘Arafura Sea, Northern Territory’. The bulletin and database includes the topics of Exploration History, Regional Setting, Hydrocarbon Shows, Dry Hole Analysis, Reservoir and Seal Evaluation, Source Rock Evaluation, Biostratigraphic Evaluation, Fluid Inclusions Analysis, Seismic Interpretation, Play Concepts, Prospects and Leads, Digital Database (analytical well data), Various regional maps (scale 1: 500,000), 660 line-km full scale regional seismic sections. (Purchase price A$5000 *)
- ‘Sunrise-Troubadour Region, Northern Territory’. The bulletin includes the text related to Regional Geology, Stratigraphic and Palaeography, Exploration History, Geophysical Interpretation, Reservoirs, Seals and Source Rocks, and Traps. Seismic Interpretation and well-tie data are provided on exabyte media in Landmark format. Uninterpreted seismic data is provided on an exabyte media, in SEGY format. (Purchase price A$5000 *)
- ‘Sorell Basin, Offshore Tasmania’. The study is available on CD ROM (4-6 week delivery) and includes Regional Geology, Stratigraphy, Exploration History, 1998 Geophysical Interpretation, Reservoirs, Seals and Source Rocks, Leads and Prospects, and TWT maps. Available on 8mm tape is the 1990 MAXUS seismic survey in SEGY format (stacked, migrated and RPF migration). Available on 8mm, Interpretation project in Landmark format. Purchase price A$5000 *)

Orders for any of these products should be directed to the Director of Petroleum Resources Branch, Bureau of Resource Sciences (tel. +61 2 6272 5342, fax +61 2 6272 4696). Please note that postage and handling charges are extra and group discounts may apply.*

Australian Petroleum Statistics POISE Database

The data set covers the supply/demand chain:
Production of oil, condensate and gas
refinery production of petroleum products from LPG to bitumen
demand for products and analysis of end-use (such as leaded/unleaded petrol split)
trade in petroleum
stock levels of refinery feedstocks and essential petroleum products including road and air transport fuels.

Prices of petroleum products in other countries, and various economic indicators (eg CPI petrol price movements) are also available.

Prices. Annual Subscription (A$250), Renewal (A$200) Issue (A$25).

Orders for any of this product should be directed to the Peter Luke, Petroleum and Fisheries Division, Department of Primary Industries and Energy (tel. +61 2 6272 4495, fax +61 2 6272 4137, e-mail peter.luke@dpie.gov.au).