



2009 RELEASE OF OFFSHORE AREAS FOR GREENHOUSE GAS STORAGE ASSESSMENT

**AREAS PTRL-01 AND PTRL-02
PETREL SUB-BASIN, BONAPARTE BASIN
NORTHERN TERRITORY AND WESTERN AUSTRALIA**

BIDS CLOSE: The later of the 6 months after the release of the acreage or 2 months after the regulations under the Act have been promulgated

Shallow water depths
Storage potential in faulted anticlines and stratigraphic traps, as well as, long distance dissolution/residual trapping
Moderate seismic and well coverage

Special Notices apply, refer to **Guidance Notes for Applicants**.

GREENHOUSE GAS (GHG) ACREAGE RELEASE – 2009

PETREL SUB-BASIN, BONAPARTE BASIN, NORTHERN TERRITORY

The Petrel Sub-basin is a northwest-trending Paleozoic rift within the southern Bonaparte Basin, located offshore northwestern Australia in the Joseph Bonaparte Gulf. Water depths are generally less than 100 m. The Petrel Sub-basin is an emerging hydrocarbon province with limited existing infrastructure in place. Release areas on the eastern side of the sub-basin are under-explored with limited petroleum well and seismic coverage. However, areas that are proximal to the gas discoveries have good petroleum well and seismic distribution.

Reservoir: Plover Formation of the Troughton Group and the Sandpiper Sandstone (Flamingo Group).

Seal: Frigate Formation of the Flamingo Group and Bathurst Island Group regional seals.

Trap: Faulted anticlines, stratigraphic traps, salt diapirs, and migration dissolution/residual trapping.

Refer to Gibson-Poole et al., 2002 for stratigraphic information.

PTRL-01 AND PTRL-02, Petrel Sub-basin, Bonaparte Basin

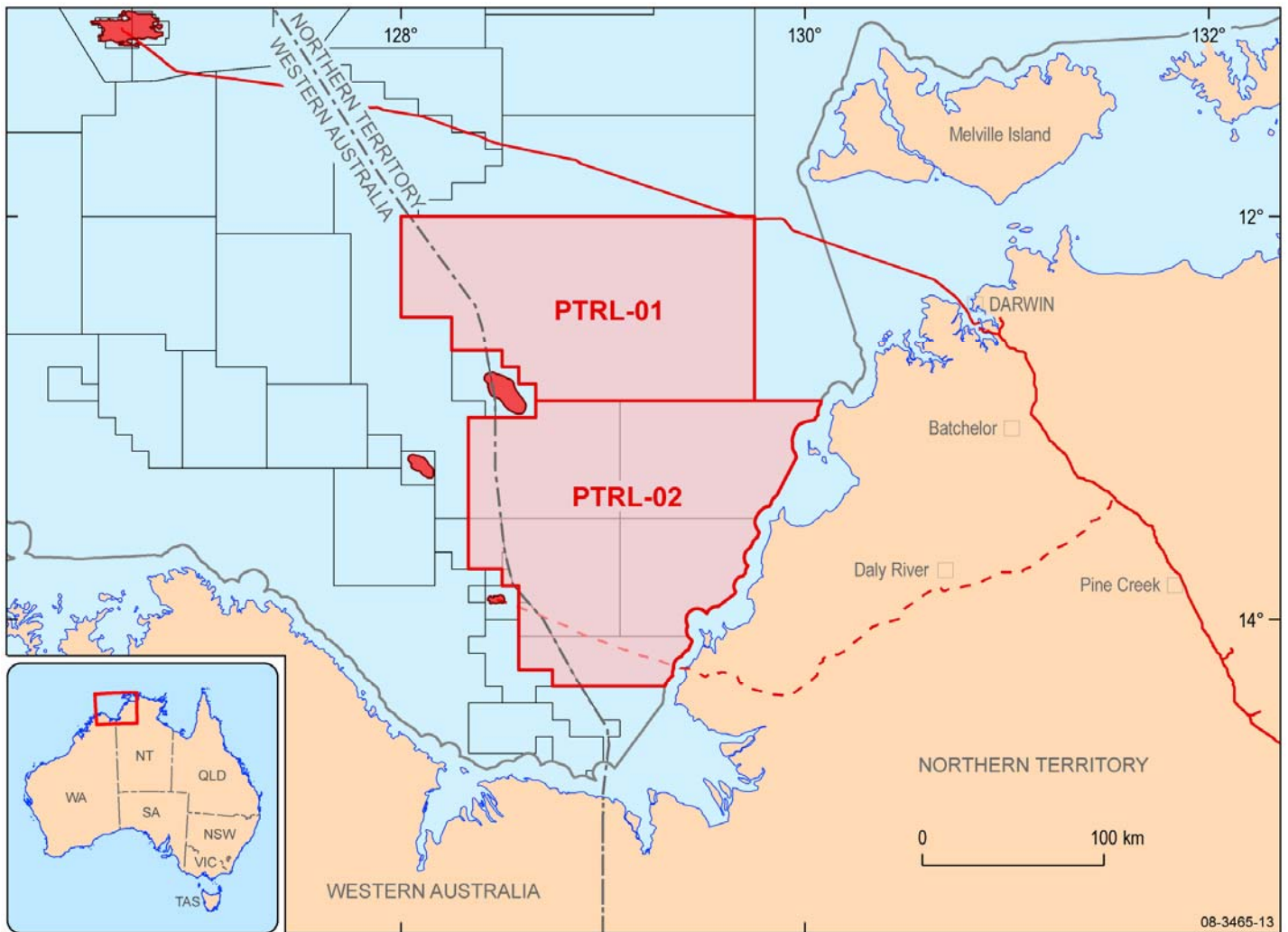
PTRL-01 and PTRL-02 are located along the eastern margin of the sub-basin and are approximately 200 km west of Darwin within the Joseph Bonaparte Gulf (Figure 1). The western edge extends into Western Australia.

Release area PTRL-01 comprises of 204 graticular blocks and covers an area of approximately 17025 square kilometres (Figure 2). Release area PTRL-02 covers an area of approximately 21160 square kilometres and 270 graticular blocks or parts thereof (Figure 2).

Overlapping Petroleum Exploration Titles

Release Areas	Overlapping Petroleum Titles	Petroleum Title Holders
PTRL-01**		
PTRL-02	NT/P66	Nexus Energy Ltd
	NT/P77	Essar Exploration and Production Ltd
	NT/P78	Essar Exploration and Production Ltd
	WA-279-P	ENI Australia Ltd
	WA-313-P	ENI Australia Ltd

** There are no overlapping petroleum titles over Release area PTRL-01. However, PTRL-01 overlaps petroleum release areas, NT08-01, NT08-02 and NT08-03, which were released in the 2008 Petroleum Acreage Release process. Bids for these three petroleum blocks areas will close on 9 April 2009.



Field outlines supplied by Encom Petroleum Information Pty Ltd. Field outlines in GPinfo are sourced from the operators of the fields only. Outlines are updated at irregular intervals but with at least one major update per year. The Coastal Waters shown on this map are indicative only. A precise determination of the Coastal Waters will be determined at the time of issue and included in the permit boundary as a Metes and Bounds determination.

- | | | | |
|---|--------------------------|--|---------------------------------------|
|  | 2009 GHG release area |  | Gas pipeline |
|  | Existing petroleum title |  | Proposed gas pipeline |
|  | Gas field |  | Coastal waters limit |
| | |  | Scheduled area boundary (OPGGSA 2006) |

Figure 1. Location map of offshore Greenhouse Gas Storage release areas for Assessment PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin.

GRATICULAR BLOCK LISTING

Area PTRL-01, Petrel Sub-basin, Bonaparte Basin

Map Sheet SD 52 (Darwin)

25	26	27	28	29	30	31	32	33	34
35	36	37	38	39	40	41	42	43	44
45	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115
116	117	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186
187	188	189	241	242	243	244	245	246	247
248	249	250	251	252	253	254	255	256	257
258	259	260	261	313	314	315	316	317	318
319	320	321	322	323	324	325	326	327	328
329	330	331	332	333	385	386	387	388	389
390	391	392	393	394	395	396	397	398	399
400	401	402	403	404	405	460	461	462	463
464	465	466	467	468	469	470	471	472	473
474	475	476	477	532	533	534	535	536	537
538	539	540	541	542	543	544	545	546	547
548	549	607	608	609	610	611	612	613	614
615	616	617	618	619	620	621	680	681	682
683	684	685	686	687	688	689	690	691	692
693	753	754	755	756	757	758	759	760	761
762	763	764	765						

Area PTRL-02, Petrel Sub-basin, Bonaparte Basin

Map Sheet SD 52 (Darwin)

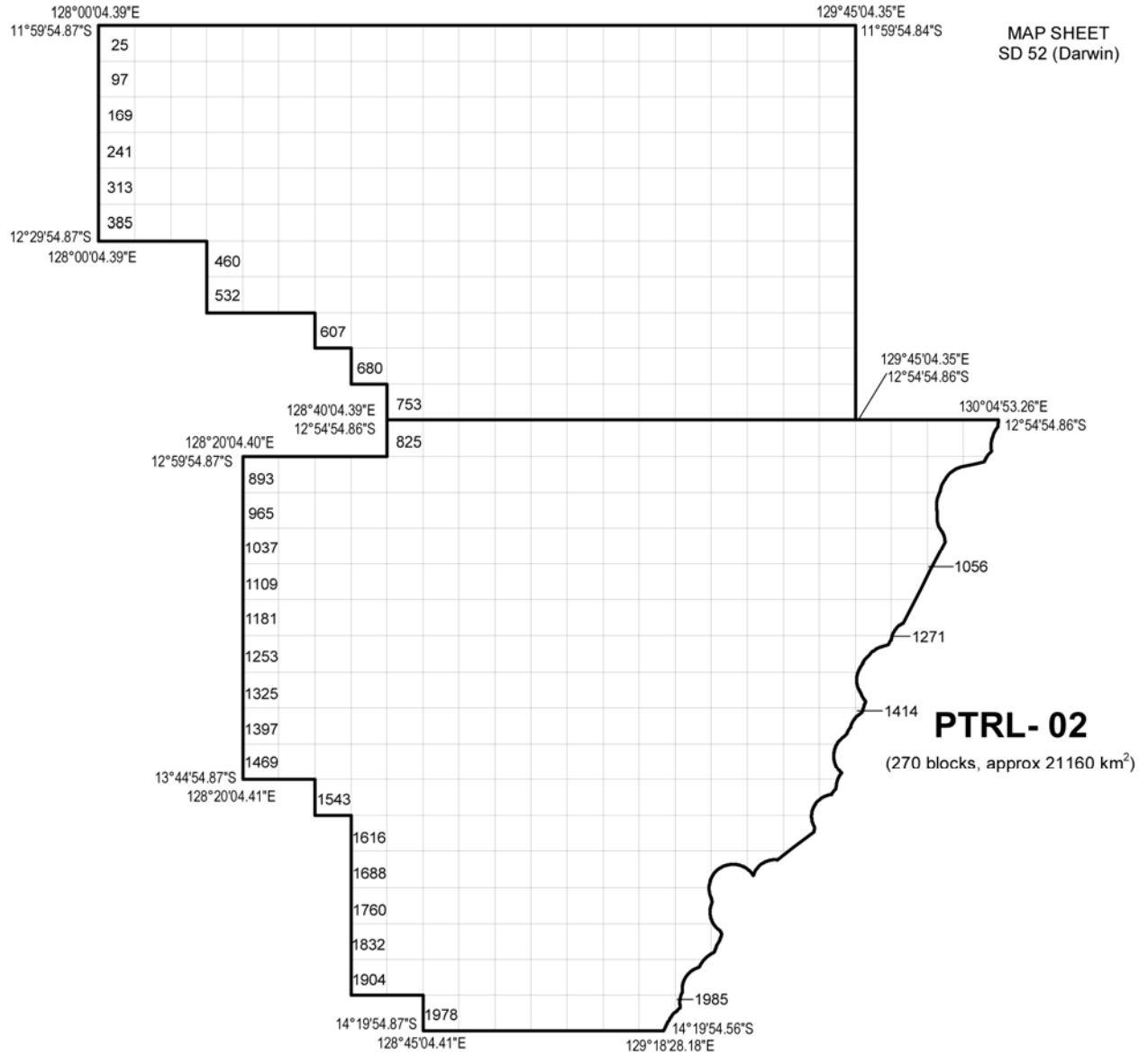
825	826	827	828	829	830	831	832	833	834
835	836	837	838	839	840	841 PART	893	894	895
896	897	898	899	900	901	902	903	904	905
906	907	908	909	910	911	912 PART	913 PART	965	966
967	968	969	970	971	972	973	974	975	976
977	978	979	980	981	982	983	984 PART	1037	1038
1039	1040	1041	1042	1043	1044	1045	1046	1047	1048
1049	1050	1051	1052	1053	1054	1055	1056 PART	1109	1110
1111	1112	1113	1114	1115	1116	1117	1118	1119	1120
1121	1122	1123	1124	1125	1126	1127 PART	1128 PART	1181	1182
1183	1184	1185	1186	1187	1188	1189	1190	1191	1192
1193	1194	1195	1196	1197	1198	1199 PART	1253	1254	1255
1256	1257	1258	1259	1260	1261	1262	1263	1264	1265
1266	1267	1268	1269	1270 PART	1271 PART	1325	1326	1327	1328
1329	1330	1331	1332	1333	1334	1335	1336	1337	1338
1339	1340	1341	1342 PART	1397	1398	1399	1400	1401	1402
1403	1404	1405	1406	1407	1408	1409	1410	1411	1412
1413 PART	1414 PART	1469	1470	1471	1472	1473	1474	1475	1476
1477	1478	1479	1480	1481	1482	1483	1484	1485 PART	1543
1544	1545	1546	1547	1548	1549	1550	1551	1552	1553
1554	1555	1556	1557	1616	1617	1618	1619	1620	1621

		PART	PART						
1622	1623	1624	1625	1626	1627	1628 PART	1688	1689	1690
1691	1692	1693	1694	1695	1696	1697 PART	1698 PART	1699 PART	1700 PART
1760	1761	1762	1763	1764	1765	1766	1767	1768	1769 PART
1770 PART	1832	1833	1834	1835	1836	1837	1838	1839	1840
1841 PART	1842 PART	1904	1905	1906	1907	1908	1909	1910	1911
1912	1913 PART	1978	1979	1980	1981	1982	1983	1984 PART	1985 PART

2009 Release Areas Bonaparte Basin, Northern Territory and Western Australia

PTRL- 01

(204 blocks, approx 17025 km²)



Geographical coordinates on this map are presented with reference to the Geocentric Datum of Australia (GDA94). Permit areas are based on the same grid, Australian Geodetic Datum (AGD66), that has defined areas since the Petroleum (Submerged Lands) Act was proclaimed in 1967. However, with the adoption of GDA94, the graticules are no longer referred to in whole multiples of 5 minutes as they were under AGD66. Parts of the outer limit of Release Area PTRL-02 are defined by the outer limit of the Coastal Waters. The Coastal Waters shown on this map are indicative only. A precise determination of the Coastal Waters will be determined at the time of issue and included in the permit boundary as a Metes and Bounds determination.

IDEAS 9016-2

Figure 2. Graticular block map of offshore Greenhouse Gas Storage release areas for Assessment PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin.

WELL DATA

Well Completion reports – PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin

Well	Operator	Year	Total Depth (m)
Barnett 1	Aust Aquitaine Petroleum	1985	2350
Barnett 2	Elf Aquitaine	1989	2818
Barnett 3	Santos Ltd	1990	1700
Billawock 1	BHP Petroleum	1992	1734
Blacktip 1	Woodside Energy Ltd	2001	3181
Bougainville 1	Aust Aquitaine Petroleum	1972	2676
Cambridge 1	Western Mining Corp Ltd	1984	2228
Cape Ford 1	Cultus Timor Sea Ltd	1997	3022
Curlew 1	Arco Australia Ltd	1975	2036
Flat Top 1	Aust Aquitaine Petroleum	1970	2174
Frigate 1	Arco Australia Ltd	1978	1585
Gull 1	Arco Australia Ltd	1971	3421
Kingfisher 1	Teikoku Oil (Bonaparte Gulf)	1994	3257
Kinmore 1	Aust Aquitaine Petroleum	1974	3250
Kulshill 1	Aust Aquitaine Petroleum	1966	4394
Kulshill 2	Aust Aquitaine Petroleum	1966	1961
Lacrosse 1	Arco Australia Ltd	1969	3054
Lesueur 1	Aust Aquitaine Petroleum	1980	3589
Marsi 1	MIM Petroleum Explor Ltd	1996	3062
Marsi 1 ST1	MIM Petroleum Explor Ltd	1996	2759
Matilda 1	Western Mining Corp Ltd	1985	2313
Moyle 1	Aust Aquitaine Petroleum	1966	539
Newby 1	Aust Aquitaine Petroleum	1969	1149
Penguin 1	Arco Australia Ltd	1972	2757
Petrel 1	Arco Australia Ltd	1969	3980
Petrel 1A	Arco Australia Ltd	1970	4090
Petrel 2	Arco Australia Ltd	1971	4725
Petrel 3	Aust Aquitaine Petroleum	1982	3970
Petrel 4	Elf Aquitaine	1988	3975
Petrel 5	Santos Ltd	1994	3935
Petrel 6	Santos Ltd	1996	3915
Sandbar 1	Woodside Energy Ltd	2001	2950
Sandpiper 1	Arco Australia Ltd	1971	1892
Shakespeare 1	Woodside Petroleum of Australia Ltd	2003	2182
Sunbird 1	Teikoku Oil (Bonaparte Gulf)	1994	3324
Tern 1	Arco Australia Ltd	1971	4352
Tern 2	Aust Aquitaine Petroleum	1982	3140
Tern 3	Aust Aquitaine Petroleum	1982	2683
Tern 4	Santos Ltd	1994	2700
Tern 5	Santos Ltd	1998	2702
Turtle 1	Western Mining Corp Ltd	1984	2700
Turtle 2	Western Mining Corp Ltd	1989	2760
Weasel 1	Woodside Petroleum Ltd	2003	1776

Analysis reports – PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin

Well	State	Year	Test	Title
Bougainville 1	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Bougainville 1	NT	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Bougainville 1	NT	1985	Lithology	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Bougainville 1	NT	1986	Vitrinite reflectance	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Bougainville 1	NT	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Bougainville 1	NT	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Curlew 1	NT	1991	Palynology	New palynology on cuttings for Curlew 1 well.
Kinmore 1	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Kinmore 1	NT	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Kinmore 1	NT	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Kinmore 1	NT	2001	Fluid Inclusion	Fluid Inclusion Data
Kulshill 1	NT	1977	Palynostratigraphy	Carboniferous and Permian Palynostratigraphy in Aust.& Antartica:Review.
Kulshill 1	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Kulshill 1	NT	1993	Core logs	Core observation report for six wells in the S.Bonaparte & Browse basins
Kulshill 1	NT	1993	Petrography	Petrographic study on conventional cores from eight wells, Australia.
Kulshill 1	NT	1994	Biostratigraphy	Late Triassic Conodont & Palynomorph Biostratigraphy
Kulshill 2	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Kulshill 2	NT	1993	Core logs	Core observation report for six wells in the S.Bonaparte & Browse basins
Kulshill 2	NT	1993	Petrography	Petrographic study on conventional cores from eight wells, Australia.
Petrel 1	NT	1974	Palaeotemperature	Source rock potential and max palaeotemp study of 10 wells, offshore WA.
Petrel 1	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Petrel 1	NT	1985	Petrography	Comparison of sandstones from NW shelf Aust. & Kekeno area Indonesia.
Petrel 1	NT	1991	Palynology	New palynology on cuttings for Petrel 1.
Petrel 1	NT	2000	MICP	Petrography, Mercury Injection Capillary Pressure Analyses
Petrel 1A	NT	1991	Palynology	New Palynology from Petrel 1A well.
Petrel 2	NT	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Petrel 2	NT	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Petrel 2	NT	1985	Lithology	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept

				1564
Petrel 2	NT	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Petrel 2	NT	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Petrel 2	NT	1988	Micropalaeontology	Biostratigraphic (micropaleo) of the Bathurst Island group, WA.
Frigate 1	WA	1987	Palynology (Mesozoic)	Studies in Australian Mesozoic Palynology
Frigate 1	WA	1991	Palynology	New palynology on cuttings for Frigate 1.
Gull 1	WA	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Gull 1	WA	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Gull 1	WA	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Gull 1	WA	1988	Micropalaeontology	Biostratigraphic (micropaleo) analysis of the Bathurst Island group, WA.
Gull 1	WA	1987	Palynology (Mesozoic)	Studies in Australian Mesozoic Palynology
Gull 1	WA	1989	Petrography	Petrographic report on conventional core data from geo. Survey of WA.
Gull 1	WA	1991	Palynology	New palynology on cuttings for Gull 1 well.
Gull 1	WA	1991	Palynology	New Palynology from Gull 1 well.
Gull 1	WA	1993	Clay Mineralogy	Geochemical Analysis of One Sample Flamingo#1 (PART-1)
Gull 1	WA	1993	Clay Mineralogy	Clay Mineralogy Results Gull#1 and Flamingo#1 (PART-2)
Gull 1	WA	1989	Petrography	Petrographic Report on Conventional Core Data
Lacrosse 1	WA	1974	Petrology	Petrological and Mineralogical investigations on Co & Cuttings, NW shelf
Lacrosse 1	WA	1974	Mineralogy	Petrological and Mineralogical investigations on Co & Cuttings, NW shelf
Lacrosse 1	WA	1969	Palynology	Palynology of Arco Lacrosse No.1. well. (Core 4).
Lacrosse 1	WA	1977	Palynostratigraphy	Carboniferous and Permian Palynostratigraphy in Aust.& Antartica:Review.
Lacrosse 1	WA	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Lacrosse 1	WA	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Lacrosse 1	WA	1985	Lithology	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Lacrosse 1	WA	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Lacrosse 1	WA	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Lesueur 1	WA	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Penguin 1	WA	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.

Penguin 1	WA	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Penguin 1	WA	1985	Lithology	Petroleum Geochemistry of the Australian NW shelf. Preliminary rept 1564
Penguin 1	WA	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Penguin 1	WA	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Tern 1	WA	1982	Diagenesis	Diagenesis of sandstones from the Bonaparte Bsn Nth Aust - a pilot study
Tern 1	WA	1985	Sedimentology	The Permian sediments of the NW shelf of Australia and Timor Indonesia.
Tern 1	WA	1985	Spore colour index	Petroleum Geochemistry of the Australian NW shelf. Progress report No.5
Tern 1	WA	1985	Lithology	Petroleum Geochemistry of the Australian NW shelf. Progress report No.5
Tern 1	WA	1986	Spore colour index	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Tern 1	WA	1986	Lithology	Petroleum Geology & Geochem - NW shelf WA - Phase 2 Vol 3 Part 6c.
Tern 1	WA	1987	Palynology (Mesozoic)	Studies in Australian Mesozoic Palynology
Tern 1	WA	1989	Petrography	Petrographic report on conventional core data from Geo. Survey of WA.
Tern 1	WA	1991	Palynology	New palynology on cuttings for Tern 1.
Tern 1	WA	1991	Palynology	New Palynology data from Tern 1 well.
Tern 1	WA	1989	Petrography	Petrographic Report on Conventional Core Data
Tern 1	WA	1998	Sedimentology/ Petrography	Sedimentological & Petrographical Descriptions
Tern 1	WA	2003	Palynology	palynology review of Tern-1
Tern 2	WA	1987	Palynology (Mesozoic)	Studies in Australian Mesozoic Palynology
Tern 2	WA	1998	Sedimentology/ Petrography	Sedimentological & Petrographical Descriptions
Tern 3	WA	1998	Sedimentology/ Petrography	Sedimentological & Petrographical Descriptions
Tern 3	WA	2003	Palynology	Palynology review of Tern-3
Turtle 1	WA	1992	Palynology	Palynological report No. 1992/21, Turtle 1 core samples.
Turtle 1	WA	1993	Core logs	Core observation report for six wells in the S.Bonaparte & Browse basins
Turtle 1	WA	1993	Petrography	Petrographic study on conventional cores from eight wells, Australia.

Geoscience Australia's geological databases provide detailed biostratigraphic (STRATDAT), geochemical (ORGCHEM) and interpreted depositional environment information (RESFACS) from open file exploration wells.

<http://dbforms.ga.gov.au/www/npm.well.search>

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

PHYSICAL DATA

Cores and Cuttings – PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin

Well	Type	Top (m)	Bottom (m)	Remark
Barnett 1	Core	833.5	1561.5	Continuous core
Barnett 1	Cuttings	290	2350	
Barnett 2	Core	2415	2558.8	
Barnett 2	Cuttings	110	2817	Washed and dried samples: Average weight 106.0gm
Barnett 3	Core	1496	1531.7	
Barnett 3	Cuttings	350	913	
Barnett 3	Cuttings	350	1699	
Billawock 1	Core	1277	1278.96	
Blacktip 1	Cuttings	390	3181	
Bougainville 1	Cuttings	48.78	2676.82	
Bougainville 1	Core	2380.94	2389.93	Continuous core.
Cambridge 1	Cuttings	140	2228	Washed samples.
Cambridge 1	Core	2227	2227.79	Continuous core.
Cambridge 1	Cuttings	145	2228	Donated samples
Cape Ford 1	Cuttings	310	3022	
Curlew 1	Cuttings	249.94	2035.45	Donated samples
Curlew 1	Cuttings	249.94	2035.45	Original depths in feet
Flat Top 1	Cuttings	67.06	2170.18	Original depths in feet
Flat Top 1	Core	989.38	1716.02	Continuous core
Frigate 1	Cuttings	251.46	1584.96	Donated samples
Frigate 1	Cuttings	251.46	1584.96	
Gull 1	Core	1525.22	3421.38	Continuous core
Gull 1	Cuttings	396.24	3416.81	Donated samples
Gull 1	Cuttings	307.85	3416.81	
Kingfisher 1	Cuttings	350	3257	
Kinmore 1	Cuttings	200	3250	
Kulshill 1	Cuttings	3526.54	4389.12	Donated samples
Kulshill 1	Core	186.58	4395.12	Continuous core.
Kulshill 1	Cuttings	7.62	4390.24	
Kulshill 2	Cuttings	6.4	1956.82	Donated samples
Kulshill 2	Core	1141.76	1961.12	Continuous core.
Kulshill 2	Cuttings	0	1957.31	
Lacrosse 1	Sidewall core	60.36	2929.87	3 runs: 198'-2445', 3330'-7502', 7982'-9610'.
Lacrosse 1	Core	835.36	3054.87	Continuous core.
Lacrosse 1	Cuttings	268.29	3048.78	
Lacrosse 1	Cuttings	210.31	3048	
Lesueur 1	Cuttings	0	3558	Washed samples
Lesueur 1	Core	3111	3395.2	Continuous core.
Lesueur 1	Cuttings	0	3385	Unwashed samples, P597.
Marsi 1	Cuttings	1240	3460	Including Side Track - 1
Matilda 1	Cuttings	280	2313	Donated samples
Matilda 1	Cuttings	280	2313	Washed samples
Moyle 1	Cuttings	0	536.58	
Moyle 1	Core	132.01	539	Continuous core.

Newby 1	Cuttings	259.14	1094.51	
Newby 1	Core	1136.28	1140.85	Continuous core.
Penguin 1	Core	2548.13	2566.42	Continuous core
Penguin 1	Cuttings	262.13	2758.44	Donated samples
Penguin 1	Cuttings	254.51	2758.47	
Petrel 1	Cuttings	283.46	3895.34	Original depths in feet
Petrel 1	Cuttings	1295.4	3892.3	Original depths in feet
Petrel 1	Cuttings	295.66	3678.94	Donated samples
Petrel 1	Core	755.9	3586.28	Continuous core
Petrel 1A	Cuttings	286.51	4090.11	Donated samples in feet
Petrel 1A	Cuttings	3657.6	3733.8	Original depths in feet
Petrel 1A	Cuttings	3657.6	4087.37	Original depths in feet
Petrel 2	Cuttings	1231.39	3938.02	Donated samples
Petrel 2	Core	2222.3	4204.41	Continuous core
Petrel 2	Cuttings	283.46	4724.4	Original depths in feet
Petrel 3	Cuttings	300	3970	Washed and dried samples.
Petrel 3	Core	3588.5	3851.3	
Petrel 4	Cuttings	340	3975	Average sample underweight by 16.5gm on receipt.
Petrel 4	Core	3563.6	3813.32	Continuous core
Petrel 5	Cuttings	290	3935	
Petrel 5	Core	3759	3794	
Petrel 6	Cuttings	320	3915	
Petrel 6	Core	3562	3680.5	
Sandbar 1	Cuttings	200	2950	
Sandpiper 1	Cuttings	249.94	1889.76	Donated samples
Sandpiper 1	Cuttings	243.84	1889.76	
Sandpiper 1	Core	733.96	1220.11	Continuous core.
Shakespeare 1	Cuttings	207	2182	
Sunbird 1	Cuttings	110	3324	
Tern 1	Cuttings	243.84	4340.35	Original depths in feet
Tern 1	Cuttings	246.89	4340.35	Donated samples
Tern 1	Core	999.74	4351.63	Continuous core
Tern 2	Cuttings	310	3141	Washed and dried samples.
Tern 2	Core	2550.3	3058.7	Continuous core.
Tern 3	Cuttings	265	2683.2	Washed samples.
Tern 3	Core	2450	2477.73	Continuous core.
Tern 4	Cuttings	320	2700	Second set 320-1515 other location
Tern 4	Core	2540	2584.32	
Tern 5	Cuttings	324	2702	Second set
Tern 5	Core	2539	2589	
Tern 5	Cuttings	324	2702	
Turtle 1	Cuttings	315	2700	Donated samples
Turtle 1	Cuttings	315	2700	Washed samples
Turtle 1	Core	951.2	2463.7	Continuous core
Turtle 2	Cuttings	310	2760	Donated samples
Turtle 2	Cuttings	310	2760	Washed and dried samples
Turtle 2	Core	922	2495.15	Continuous core

Weasel 1	Cuttings	248	1776	
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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 – PTRL-01 and PTRL-02, Petrel Sub-basin, Bonaparte Basin

Survey Name	UNO	Year	Type	Processed	Field	Navigation
Darwinia 84	not known	1984	2D	No	No	Yes
NT/P33 TS	S8840010	1984	2D	Yes	Yes	Yes
Jacaranda	S8980006	1998	2D	Yes	Yes	Yes
Hyland	S8670087	1967	2D	Yes	Yes	Yes
B88	S6880008	1988	2D	No	No	Yes
B86	S6860014	1986	2D	Yes	Yes	Yes
Howland	S8800007	1980	2D	Yes	Yes	Yes
Cape Ford and Dooley Point	S8900020	1990	2D	No	No	Yes
1991 Bonaparte Gulf Marine Seismic	S0910001	1991	2D	Yes	Yes	Yes
1990 Bonaparte Gulf Marine Seismic	S0900003	1990	2D	Yes	Yes	Yes
Peron Island	S0720003	1972	2D	Yes	Yes	Yes
Barnett	S8840001	1984	2D	Yes	Yes	Yes
Bobbie	S6900011	1990	2D	No	Yes	Yes
Gale Bank	S0710004	1971	2D	No	Yes	Yes
Londonderry Rise	S0680063	1968	2D	No	Yes	Yes
Tree Point	S0740002	1974	2D	No	Yes	Yes
SPA 5SL/1992-93	not known	1993	2D	No	No	Yes
Dussejour	S8830001	1983	2D	Yes	Yes	Yes
TEA84 (NT/P33 Marine Seismic)	S8840010	1984	2D	Yes	Yes	Yes
Cartier	S0730003	1973	2D	Yes	Yes	Yes
AGSO 100R, Petrel Sub-Basin	S8910010	1991	2D	Yes	Yes	Yes
BO	not known	not known	2D	No	No	Yes
B87	S6880042	1988	2D	Yes	No	Yes
Knob Peak	S0730002	1973	2D	No	Yes	Yes
QC	not known	not known	2D	No	No	Yes
BNT81 Seismic	S8810015	1981	2D	No	No	Yes
SPA East Petrel 1997 Marine Seismic Survey	S8980005	1997	2D	No	No	Yes
Baal Bone	S0980001	1999	2D	Yes	Yes	Yes
Blacktip 3D	S6200016	2000	3D	No	No	Yes
NTP/54 2000	S8200001	2000	2D	Yes	Yes	Yes

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

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