



APIRA
AUSTRALIAN PETROLEUM SYSTEMS

ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

Volume 2

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APPENDICES

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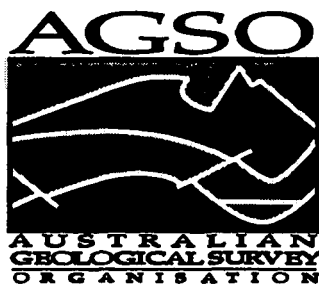
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NB: THESE APPENDICES HAVE BEEN COMPILED INTO VOLUME 2 - AND ARE AVAILABLE AS DIGITAL DATABASES IN BOTH SPREADSHEET AND RELATIONAL (ORACLE) FORMAT IN THE STRATDAT AND RESFACS DATABASES.





APIRA
AUSTRALIAN PETROLEUM SYSTEMS

ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

APPENDIX 1

STRATDAT DATABASE

Bedout 1

-18.244444 119.389611 Bedout Sub-basin
 PEDIN/File numbers: W6710010 71/435

Canning Basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
** = non-active record								
141.70	QT107	H	0.00 Time Slice Cainozoic 7	TIMESLICE	P	H2	O	6
495.30	P1126	H	11.70 N14	MIN AGE	P	B5	O	2
536.00	P1130	H	12.10 N12/13	PALAEO	P	B4	E	*
618.74	P1160	L	26.30 N4	MAX AGE	P	B5	O	2
640.00	P1150	L	18.75 N6	PALAEO	P	B4	E	*
642.50	QT202	H	38.07 Time Slice Cainozoic 2	TIMESLICE	P	H5	O	6
649.00	P2120	H	37.10 P15/16	PALAEO	P	B4	E	*
668.00	QT202	L	50.50 Time Slice Cainozoic 2	TIMESLICE	P	H2	O	6
668.00	QT201	H	50.50 Time Slice Cainozoic 1	TIMESLICE	P	H2	O	6
677.00	P2150	L	56.20 P7/8	PALAEO	P	B3	E	*
677.27	P2225	H	51.50 T9	MIN AGE	P	B5	O	2
697.99	P2245	H	55.90 T5	MIN AGE	P	B3	O	2
713.00	P2165	H	55.90 P4	PALAEO	P	B1	E	*
713.23	P2255	H	57.10 T4	PALAEO	P	B3	O	2
758.95	P2255	H	57.10 T4	PALAEO	P	B5	O	2
759.00	P2165	L	58.30 P4	PALAEO	P	B1	E	*
783.00	P2180	H	61.00 P1	PALAEO	P	B1	E	*
783.34	P2270	H	60.80 T1	PALAEO	P	B3	O	2
789.43	P2270	L	61.73 T1	PALAEO	P	D5	O	1
794.00	QT201	L	65.00 Time Slice Cainozoic 1	TIMESLICE	P	H3	O	6
794.00	QT311	H	65.00 Time Slice Cretaceous 11	TIMESLICE	P	H3	O	6
798.58	P3100	H	65.00 C13	PALAEO	P	B2	O	1
799.00	P3200	H	65.00 A.mayaroensis	PALAEO	P	B1	E	*
816.86	P3100	L	66.00 C13	PALAEO	P	B3	O	1
817.00	P3200	L	68.00 A.mayaroensis	PALAEO	P	B1	E	*
1015.00	QT311	L	70.00 Time Slice Cretaceous 11	TIMESLICE	P	H2	O	6
1015.00	QT310	H	70.00 Time Slice Cretaceous 10	TIMESLICE	P	H3	O	6
1018.00	P3210	H	70.50 G.cuvillieri	PALAEO	P	B3	E	*
1018.03	P3110	H	70.00 C11	PALAEO	P	B3	O	1
1027.00	P3215	H	73.70 H.semicostatae	PALAEO	P	B3	E	*
1027.48	P3110	L	73.00 C11	PALAEO	P	B4	O	1
1044.85	P3115	H	73.00 C10	PALAEO	P	B2	O	1
1045.00	P3210	L	72.00 G.cuvillieri	PALAEO	P	B3	E	*
1061.62	P3120	L	83.00 C9	PALAEO	P	B3	O	1
1062.00	P3225	L	82.30 G.arca	PALAEO	P	B3	E	*
1064.00	QT310	L	83.00 Time Slice Cretaceous 10	TIMESLICE	P	H3	O	6
1064.00	QT309	H	83.00 Time Slice Cretaceous 9	TIMESLICE	P	H3	O	6
1069.00	P3230	H	82.30 P.plummerae	PALAEO	P	B3	E	*
1069.24	P3125	M	84.00 C8	PALAEO	P	B2	O	1
1078.99	P3130	M	86.25 C7	PALAEO	P	B2	O	1
1090.57	P3135	M	88.00 C6	PALAEO	P	B2	O	1
1112.00	P3245	L	89.30 D.imbricata	PALAEO	P	B3	E	*
1113.00	P3250	H	89.50 P.stephani	PALAEO	P	B3	E	*
1113.00	P3255	L	89.80 P.helvetica	PALAEO	P	B3	E	*
1113.43	P3140	H	88.50 C5	PALAEO	P	B4	O	1
1113.43	M3185	M	88.00 C.striatoconus oe	PALAEO	P	B3	O	3
1121.66	P3140	L	90.00 C5	PALAEO	P	D5	O	1
1123.00	P3270	H	97.50 P.buxtorfi	PALAEO	P	B1	E	*
1123.19	M3200	L	97.50 D.multispinum laii	MAX AGE	P	B5	O	3
1123.19	P3155	H	96.50 C2	PALAEO	P	B3	O	1
1125.00	QT309	L	91.00 Time Slice Cretaceous 9	TIMESLICE	P	H2	O	6
1125.00	QT308	H	91.00 Time Slice Cretaceous 8	TIMESLICE	P	H2	O	6
1131.00	P3270	L	98.70 P.buxtorfi	PALAEO	P	B1	E	*
1131.42	P3155	L	99.00 C2	PALAEO	P	B3	O	1
1145.00	QT308	L	99.00 Time Slice Cretaceous 8	TIMESLICE	P	H3	O	6
1145.00	QT307	H	99.00 Time Slice Cretaceous 7	TIMESLICE	P	H3	O	6
1146.00	P3160	H	99.00 C1	PALAEO	P	B1	E	*
1146.35	P3160	H	99.00 C1	PALAEO	P	B3	O	1
1180.00	QT307	L	104.00 Time Slice Cretaceous 7	TIMESLICE	P	H3	O	6
1180.00	QT306	H	104.00 Time Slice Cretaceous 6	TIMESLICE	P	H3	O	6
1197.00	QT306	L	110.00 Time Slice Cretaceous 6	TIMESLICE	P	H3	O	6
1197.00	QT305	H	110.00 Time Slice Cretaceous 5	TIMESLICE	P	H3	O	6
1206.00	QT305	L	114.00 Time Slice Cretaceous 5	TIMESLICE	P	H3	O	6
1206.00	QT304	H	114.00 Time Slice Cretaceous 4	TIMESLICE	P	H3	O	6
1207.00	P3160	L	108.70 C1	PALAEO	P	B4	E	*
1207.01	M3225	H	109.00 M.tetracantha 2bi/ii	MIN AGE	P	B3	O	5
1207.01	P3160	L	108.70 C1	PALAEO	P	B5	O	1
1210.06	M3235	H	113.00 D.davidii 2biii	PALAEO	P	B3	O	5
1243.58	M3235	L	115.00 D.davidii 2biii	PALAEO	P	B3	O	5
1259.00	QT304	L	119.00 Time Slice Cretaceous 4	TIMESLICE	P	H3	O	6
1259.00	QT303	H	119.00 Time Slice Cretaceous 3	TIMESLICE	P	H3	O	6
1280.16	M3252	H	119.50 M.australis 2dii/iii	PALAEO	P	B3	O	5
1376.17	M3252	L	126.00 M.australis 2dii/iii	PALAEO	P	B3	O	5

1390.00	QT303	L	125.00	Time Slice	Cretaceous 3	TIMESLICE	P	H3	O	6
1390.00	QT302	H	125.00	Time Slice	Cretaceous 2	TIMESLICE	P	H3	O	6
1405.13	M3265	L	132.00	P.burgerii	3a	MAX AGE	P	B3	O	5
1420.00	QT302	L	137.00	Time Slice	Cretaceous 2	TIMESLICE	P	H3	O	6
1420.00	QT301	H	137.00	Time Slice	Cretaceous 1	TIMESLICE	P	H3	O	6
1441.70	M3290	H	137.00	E.torynum	4ai/ii	MIN AGE	P	B4	O	5
1557.53	M3310	H	139.50	D.lobispinosum	4bi	PALAEO	P	B2	O	5
1703.83	M3310	L	140.50	D.lobispinosum	4bi	PALAEO	P	B2	O	5
1738.88	M3315	H	140.50	C.delicata	4bii	PALAEO	P	B2	O	5
1767.84	M3315	L	142.00	C.delicata	4bii	PALAEO	P	B2	O	5
1792.22	M3320	L	143.00	K.wisemaniae	4biii	MAX AGE	P	B3	O	5
1798.00	QT301	L	144.00	Time Slice	Cretaceous 1	TIMESLICE	P	H1	O	6
1798.00	QT406	H	167.00	Time Slice	Jurassic 6	TIMESLICE	P	H3	O	6
1801.37	M4180	H	167.00	W.indotata	7BII	MIN AGE	P	B4	O	5
2056.00	QT406	L	177.00	Time Slice	Jurassic 6	TIMESLICE	P	H4	O	6
2056.00	QT405	H	177.00	Time Slice	Jurassic 5	TIMESLICE	P	H4	O	6
2057.40	M4195	H	177.00	D.caddaensis	7D	PALAEO	P	B5	O	5
2200.66	M4195	L	180.00	D.caddaensis	7D	PALAEO	P	B5	O	5
2262.00	QT405	L	180.00	Time Slice	Jurassic 5	TIMESLICE	P	H4	O	6
2262.00	QT404	H	180.00	Time Slice	Jurassic 4	TIMESLICE	P	H4	O	6
2264.66	S4145	H	179.00	I.turbatus		PALAEO	P	B3	O	5
2418.00	QT404	L	189.00	Time Slice	Jurassic 4	TIMESLICE	P	H4	O	6
2418.00	QT403	H	189.00	Time Slice	Jurassic 3	TIMESLICE	P	H4	O	6
2476.00	QT403	L	190.50	Time Slice	Jurassic 3	TIMESLICE	P	H4	O	6
2476.00	QT402	H	190.50	Time Slice	Jurassic 2	TIMESLICE	P	H4	O	6
2500.88	S4145	L	193.50	I.turbatus		PALAEO	P	B3	O	5
2522.22	S4150	H	193.50	C.torosa		PALAEO	P	B3	O	5
2671.00	QT401	H	200.00	Time Slice	Jurassic 1	TIMESLICE	P	H4	O	6
2671.00	QT402	L	200.00	Time Slice	Jurassic 2	TIMESLICE	P	H4	O	6
2887.98	S4150	L	210.00	C.torosa		PALAEO	P	B4	O	5
2888.00	QT401	L	213.00	Time Slice	Jurassic 1	TIMESLICE	P	H4	O	6
2888.00	QT503	H	235.00	Time Slice	Triassic 3	TIMESLICE	P	H4	O	6
2907.79	S5140	H	235.00	S.quadrifidus	(NWS)	MIN AGE	P	D5	O	5
2980.00	QT503	L	239.00	Time Slice	Triassic 3	TIMESLICE	P	H4	O	6
2980.00	QT502	H	239.00	Time Slice	Triassic 2	TIMESLICE	P	H4	O	6
3012.34	S5145	H	240.50	T.playfordii		PALAEO	P	B2	O	5
3020.26	S5145	L	244.50	T.playfordii		PALAEO	P	B2	O	5
3021.00	L2000	H		Volcanics		FORMATION	P	H1	O	6
3021.00	QT502	L	245.00	Time Slice	Triassic 2	TIMESLICE	P	H3	O	6
3073.00	L2000	L		Volcanics		FORMATION	P	H1	O	6

Foraminiferal analysis based on 78 SWCs and 33 cuttings samples between 1390-9840ft (423-3000m).

Palynology based on 94 SWCs and 25 cuttings samples between 2130-10050ft (649-3063m).

Tertiary sequence unusual in that faunas almost entirely benthonic precluding reliable age dating (see Apthorpe 1975).

Cuttings more than 10m too low relative to SWCs below 1110m confusing recognition of Cenomanian foraminiferal faunas.

Ingram (1990) reports palynological preparations poor with many samples very lean and cuttings dominated by cavings. Further revision of well would therefore require new sample preparations.

Palynology of Mid-Jurassic interval 1800-2260m is particularly weak and needs revision.

SWC at 8275ft (2522m) given as top of C.torosa Zone by Ingram (1990) not listed by Lister (1971).

Jurassic/Triassic boundary poorly defined on palynology.

Timeslice Cz2 interpreted from seismic

- 1 Wall, D.R., 1971. Micropalaeontological report on the BOC et al Bedout-1 WA. 13p. (Nov.).
- 2 Apthorpe, M., 1975. Palaeontological report on the Tertiary section of Bedout-1 WA. BOCAL Rept. 11p. (July).
- 3 Lister, T.R., 1971. Palynology report BOC et al. Bedout-1 well. 12p. (Nov.).
- 4 Macphail, M.K., 1989. Palynology Data Sheet. 9p. No supporting species lists.
- 5 Ingram, B., 1990. Palynological Data Sheet. 2p. (Dec.). No supporting species lists.
- 6 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Bruce 1
 -19.375407 117.92825 Beagle Sub-basin
 PEDIN/File numbers: W6790009 79/536

Carnarvon Basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
						Conf		
***** = non-active record								
97.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	1
350.00	P1136 H	13.10	N10	MIN AGE	P	D5	O	1
410.00	P1142 H	14.40	N8	MIN AGE	P	D5	O	1
445.00	P2114 H	38.64	P16	MIN AGE	P	D5	O	2
470.00	P2117 H	42.75	P13	MIN AGE	P	D5	O	1
585.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H5	O	1
787.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H5	O	1
787.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H5	O	1
892.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H5	O	1
892.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H5	O	1
950.00	P3130 H	85.00	C7	MIN AGE	P	D3	O	1
950.00	M3160 H	82.00	N.aceras ocii	MIN AGE	P	B5	O	3
960.00	P3135 H	87.50	C6	PALAEO	P	B3	O	1
995.00	P3135 L	88.50	C6	MAX AGE	P	D4	O	1
995.00	M3185 L	89.00	C.striatoconus oe	MAX AGE	P	B5	O	3
998.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	1
998.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H3	O	1
1000.00	M3240 H	115.00	O.operculata 2c	MIN AGE	P	B5	O	3
1020.00	QT304 L	119.00	Time Slice Cretaceous 4	TIMESLICE	P	H3	O	1
1020.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	1
1035.00	M3252 L	126.00	M.australis 2dii/iii	MAX AGE	P	B5	O	3
1039.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	1
1039.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	1
1045.00	S3165 L	144.00	C.australiensis	MAX AGE	P	B3	O	3
1048.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	1
1048.00	QT505 H	222.00	Time Slice Triassic 5	TIMESLICE	P	H4	O	1
1138.00	S5130 H	225.00	S.speciosus (NWS)	PALAEO	P	B5	O	3
1503.00	QT505 L	231.00	Time Slice Triassic 5	TIMESLICE	P	H4	O	1
1503.00	QT504 H	231.00	Time Slice Triassic 4	TIMESLICE	P	H4	O	1
1690.50	S5130 L	235.00	S.speciosus (NWS)	PALAEO	P	B5	O	3
1692.00	S5140 H	235.00	S.quadrifidus (NWS)	PALAEO	P	B5	O	3
1807.00	QT504 L	235.00	Time Slice Triassic 4	TIMESLICE	P	H4	O	1
1807.00	QT503 H	235.00	Time Slice Triassic 3	TIMESLICE	P	H4	O	1
2053.00	S5140 L	240.50	S.quadrifidus (NWS)	PALAEO	P	B5	O	3
2086.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H4	O	1
2086.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H4	O	1
2090.00	S5145 H	240.50	T.playfordii	PALAEO	P	B5	O	3
2169.00	QT502 L	245.00	Time Slice Triassic 2	TIMESLICE	P	H4	O	1
2169.00	S5145 L	244.50	T.playfordii	PALAEO	P	B5	O	3

Foraminiferal analysis based on 6 SWCs and 20 cuttings samples from two reports over interval 340-995m.

Palynological results based on 51 SWCs and 2 cuttings samples between 950-2169m.

Foraminiferal assemblages limited resulting in low confidence ratings on zone picks.

Only amalgamated assemblage lists for 7 composite intervals provided by Ingram (1979); resulting in overall very poor confidence.

- 1 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Depuch 1
 -18.835178 117.921931 Beagle Sub-basin
 PEDIN/File numbers: W6740002 73/283

Carnarvon Basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----- Conf Sec Ref

" " = non-active record						
153.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2 O 6
175.00	W2025 L		30" Casing shoe	WELL		E
477.00	W2000 L		20" Casing shoe	WELL		E
492.00	P1110 H	2.92	N18/19	PALAEO	P	B1 E *
492.00	P1109 M	4.95	N18	PALAEO	P	B3 O 1
505.00	P1125 H		N14/15	PALAEO	P	D4 E *
1158.00	W2005 L		13-3/8" Casing shoe	WELL		E
1205.00	P1150 L	18.75	N6	MAX AGE	P	D5 O 1
1210.00	P1150 L	18.75	N6	PALAEO	P	D4 E *
1240.00	P1155 H	18.75	N5	PALAEO	P	D3 E *
1240.00	B1150 H	18.00	L.(E)badjiaensis	PALAEO	P	D3 O 1
1270.00	P1155 L	21.78	N5	PALAEO	P	B3 E *
1270.00	B1150 L	22.00	L.(E)badjiaensis	PALAEO	P	B3 O 1
1275.00	P1160 H	21.78	N4	PALAEO	P	D3 O 1
1285.00	P2100 M	27.05	P22	SNGL DEPTH	P	D3 O 1
1300.00	P2105 M	29.20	P21	SNGL DEPTH	P	D3 O 1
1365.00	P2110 H	30.60	P20	PALAEO	P	D3 O 1
1370.00	P2110 L	32.80	P20	PALAEO	P	D4 E *
1371.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H3 O 6
1380.00	P2120 H	37.10	P15/16	PALAEO	P	B1 E *
1380.00	P2200 H	38.34	T14	PALAEO	P	B3 O 1
1410.00	P2125 H	42.00	P14	PALAEO	P	D3 E *
1410.00	P2205 H	42.00	T13	PALAEO	P	B5 O 1
1440.00	P2210 H	42.75	T12	PALAEO	P	B5 O 1
1525.00	P2215 L	58.30	T11	PALAEO	P	B3 O 1
1540.00	P2135 L	47.60	P11	PALAEO	P	D3 E *
1548.00	P2145 H	50.50	P9	PALAEO	P	B1 E *
1548.00	P2220 H	46.70	T10	PALAEO	P	B4 O 1
1570.00	P2225 H	51.50	T9	PALAEO	P	D4 O 1
1572.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3 O 6
1572.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3 O 6
1580.00	P2150 L	56.20	P7/8	PALAEO	P	D3 E *
1585.00	P2160 H	55.40	P5	PALAEO	P	D3 E *
1585.00	P2240 H	55.50	T6	PALAEO	P	D3 O 1
1610.00	P2245 H	55.90	T5	PALAEO	P	D3 O 1
1615.00	P2255 H	57.10	T4	PALAEO	P	D3 O 1
1630.00	P2265 L	60.80	T2	MAX AGE	P	B3 O 1
1630.00	P2180 H	61.00	P1	PALAEO	P	D3 E *
1630.10	P2270 H	60.80	T1	PALAEO	P	D3 O 1
1636.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3 O 6
1636.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H3 O 6
1636.00	P3200 H	65.00	A.mayaroensis	PALAEO	P	B1 E *
1640.00	P3200 L	68.00	A.mayaroensis	PALAEO	P	B1 E *
1640.00	P3100 M	65.50	C13	PALAEO	P	B3 O 1
1662.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE	P	H3 O 6
1662.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3 O 6
1670.00	P3215 H	73.70	H.semicostatae	PALAEO	P	B1 E *
1670.00	P3115 H	73.00	C10	PALAEO	P	B3 O 1
1885.00	P3115 L	79.50	C10	PALAEO	P	D5 O 1
1895.00	P3120 H	79.50	C9	PALAEO	P	B5 O 1
1900.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3 O 6
1900.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3 O 6
1900.00	P3120 L	83.00	C9	PALAEO	P	D3 O 1
1910.00	P3230 H	82.30	P.plummerae	PALAEO	P	D3 E *
1910.00	P3125 H	83.00	C8	PALAEO	P	D3 O 1
1915.00	P3125 L	85.00	C8	PALAEO	P	D3 O 1
1930.00	P3130 M	86.25	C7	PALAEO	P	B3 O 1
1960.00	P3245 L	89.30	D.imbricata	PALAEO	P	B4 E *
1960.00	P3135 H	87.50	C6	PALAEO	P	B5 O 1
1980.00	P3135 L	88.50	C6	PALAEO	P	B2 O 1
1985.00	P3250 H	89.50	P.stephani	PALAEO	P	B4 E *
1985.00	P3140 H	88.50	C5	PALAEO	P	B5 O 1
2000.00	P3255 H	89.30	P.helvetica	PALAEO	P	B1 E *
2000.00	P3145 H	90.00	C4	PALAEO	P	B3 O 1
2007.00	P3145 L	91.00	C4	PALAEO	P	B3 O 1
2010.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H2 O 6
2010.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2 O 6
2015.00	P3260 H	91.00	R.cushmani	PALAEO	P	B1 E *
2015.00	P3150 H	91.00	C3	PALAEO	P	B3 O 1
2030.00	P3150 L	96.50	C3	PALAEO	P	D3 O 1
2035.00	P3260 L	93.00	R.cushmani	PALAEO	P	D3 E *
2040.00	P3270 H	97.50	P.buxtorfi	PALAEO	P	B1 E *
2040.00	P3155 M	97.75	C2	PALAEO	P	B2 O 1

2065.00	QT308	L	99.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	6
2065.00	QT307	H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	6
2070.00	P3160	H	99.00	C1	PALAEO	P	B3	O	1
2100.00	QT307	L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	6
2100.00	QT306	H	104.00	Time Slice Cretaceous 6	TIMESLICE	P	H4	O	6
2123.00	M3225	H	109.00	M.tetracantha 2bi/ii	MIN AGE	P	B3	O	2
2123.00	P3160	L	108.70	C1	PALAEO	P	B1	E	*
2123.00	P3160	L	108.70	C1	PALAEO	P	B3	O	1
2133.00	QT306	L	110.00	Time Slice Cretaceous 6	TIMESLICE	P	H4	O	6
2133.00	QT303	H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	6
2143.00	M3252	H	119.50	M.australis 2dii/iii	MIN AGE	P	B5	O	2
2143.00	M3255	H	123.00	lower M.australis 2diii	PALAEO	P	B3	E	*
2182.00	P3165	H	119.50	L.ouachensis	PALAEO	P	B3	O	1
2194.00	QT303	L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H4	O	6
2194.00	QT302	H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H4	O	6
2200.00	P3165	L	130.00	L.ouachensis	PALAEO	P	B4	O	1
2220.00	P3165	L	130.00	L.ouachensis	PALAEO	P	B3	E	*
2325.00	M3265	L	132.00	P.burgerii 3a	MAX AGE	P	B5	O	2
2342.00	M3290	H	137.00	E.torynum 4ai/ii	MIN AGE	P	B5	O	2
2342.00	M3290	H	137.00	E.torynum 4ai/ii	PALAEO	P	B3	E	*
2347.00	QT302	L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	6
2347.00	QT301	H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	6
2505.00	M4100	L	147.00	D.jurassicum 5A/B	MAX AGE	P	B5	O	2
2505.00	M3330	L	144.50	lower P.iehienne 4cii	PALAEO	P	B3	E	*
2525.00	S4125	H	167.00	C.cooksoniae	PALAEO	P	B5	O	2
2534.00	QT301	L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H4	O	6
2534.00	QT406	H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H3	O	6
2550.00	S4130	H	173.00	upper D.complex	PALAEO	P	B4	E	*
2550.00	S4125	H	167.00	C.cooksoniae	PALAEO	A	B1	O	3
2613.00	W2010	L		9-5/8" Casing shoe	WELL			E	
2951.20	S4125	L	173.00	C.cooksoniae	PALAEO	P	B1	O	3
3016.00	S4135	H	173.00	D.complex	PALAEO	P	B1	O	3
3426.00	QT406	L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H4	O	6
3426.00	QT405	H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	6
3567.00	S4135	L	179.00	D.complex	PALAEO	P	B1	O	3
3567.00	M4195	H	177.00	D.caddaensis 7D	PALAEO	P	B1	O	3
3613.00	M4195	L	180.00	D.caddaensis 7D	PALAEO	P	B1	O	3
3613.00	S4145	H	179.00	I.turbatus	PALAEO	P	B1	O	3
3620.00	QT405	L	180.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	6
3620.00	QT404	H	180.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	6
3925.00	QT404	L	189.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	6
3925.00	QT403	H	189.00	Time Slice Jurassic 3	TIMESLICE	P	H4	O	6
4060.00	QT403	L	190.50	Time Slice Jurassic 3	TIMESLICE	P	H4	O	6
4060.00	QT402	H	190.50	Time Slice Jurassic 2	TIMESLICE	P	H4	O	6
4284.00	S4145	L	193.50	I.turbatus	PALAEO	P	B1	O	3
4300.00	QT402	L	200.00	Time Slice Jurassic 2	TIMESLICE	P	H4	O	6

Micropal by Wright & Apthorpe 1974; 111 samples between 492-2525m. Palynology by B.S.Ingram 1974; 90 SWCs & 8 cts spls between 2123-4286.2m. Unfortunately only 4 abridged palynology assemblage lists given in report. Data reviewed by A.D.Partridge, June 1990. Micropalaeontological analysis based on 71 SWCs and 40 cuttings samples between 492-2525m.

Palynology analysis by Ingram (1974) based on 90 SWCs and 8 cuttings samples but only 4 amalgamate assemblages recorded.

Palynomorph range chart by R. Purcell records diverse assemblages and provides good zonation of Mid Jurassic between 2550-4284m.

Palynology samples between 2123-2525m comprising 23 SWCs and 3 cuttings all need re-examination.

- 1 Wright, C.A. & Apthorpe, M., 1974. Micropalaeontological report on the BOCAL et al Depuch-1 WA. BOCAL Rept. 21p. (May).
- 2 Ingram, B.S., 1974. Palynology Report. BOCAL et al. Depuch-1 well. Report BOPAL/61. 5p. (June).
- 3 Purcell, R., Checklist range chart Depuch-1 2550-2484m (not dated).
- 4 Ingram, B.S., 1992. Palynological reinterpretation of the basal section in Depuch-1 well. Palyno Rept. WP12/82. 3p. (April). 3852-4286.8m.
- 5 Islam, A., 1990. Palynological review of sections of Depuch-1, North Turtle-1 & Picard-1, WA. Aust. Palynostrat. Serv. Rept. 5, 7p. (R-877).
- 6 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

East Mermaid 1
 -17.166944 119.822556 Canning Basin
 PEDIN/File numbers: W6730020 73/1003

Rowley Sub-basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
						==	==	==
				** = non-active record				
411.10	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	4
518.00	P1105 H	2.00	N20/21	PALAEO	P	D3	E	*
518.16	P1107 H	2.92	N20	MIN AGE	P	D3	O	1
548.64	P1109 L	5.10	N18	MAX AGE	P	D4	O	1
549.00	P1110 H	2.92	N18/19	PALAEO	P	D3	E	*
563.88	P1115 H	5.10	N17	MIN AGE	P	D4	O	1
824.00	P1135 H	12.80	N10/11	PALAEO	P	B4	E	*
824.18	P1126 H	11.70	N14	MIN AGE	P	B5	O	1
1207.00	P1155 L	21.78	N5	PALAEO	P	B4	E	*
1207.01	B1150 M	20.00	L.(E)badjiaensis	PALAEO	P	B3	O	1
1293.60	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	4
1334.00	P2200 H	38.34	T14	PALAEO	P	B4	E	*
1334.41	P2200 H	38.34	T14	MIN AGE	P	B5	O	1
1482.55	P2215 H	57.10	T11	PALAEO	P	B2	O	1
1483.00	P2215 H	57.10	T11	PALAEO	P	B3	E	*
1524.60	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	4
1524.60	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	4
1533.00	P2215 L	58.30	T11	PALAEO	P	B3	E	*
1554.00	P2220 H	46.70	T10	PALAEO	P	B4	E	*
1554.48	P2225 H	51.50	T9	PALAEO	P	B3	O	1
1594.00	P2225 L	53.13	T9	PALAEO	P	B3	E	*
1594.10	P2230 L	55.30	T8	PALAEO	P	B3	O	1
1599.59	P2245 H	55.90	T5	PALAEO	P	B2	O	1
1600.00	P2250 H	55.90	T4/5	PALAEO	P	B3	E	*
1622.76	P2245 L	57.10	T5	PALAEO	P	B3	O	1
1626.00	P2250 L	58.30	T4/5	PALAEO	P	B3	E	*
1626.10	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H2	O	4
1626.10	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H2	O	4
1626.41	P2255 M	57.70	T4	PALAEO	P	B2	O	1
1630.68	P3105 H	66.00	C12	MIN AGE	P	B4	O	1
1631.00	P3110 H	70.00	C11	PALAEO	P	B3	E	*
1647.14	M3101 M	75.75	Isabelidium Superzone	SNGL DEPTH	P	B3	O	2
1647.14	P3110 H	70.00	C11	PALAEO	P	B3	O	1
1647.80	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	O	4
1647.80	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	4
1675.79	P3110 L	73.00	C11	PALAEO	P	B5	O	1
1683.11	P3115 H	73.00	C10	PALAEO	P	B4	O	1
1702.00	P3115 L	79.50	C10	PALAEO	P	B4	O	1
1726.69	P3120 H	79.50	C9	PALAEO	P	B5	O	1
1734.31	P3120 L	83.00	C9	PALAEO	P	D5	O	1
1736.20	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	4
1736.20	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	4
1737.36	P3125 H	83.00	C8	PALAEO	P	D2	O	1
1742.24	P3125 L	85.00	C8	PALAEO	P	B3	O	1
1749.00	P3130 H	85.00	C7	PALAEO	P	B4	E	*
1749.55	P3130 H	85.00	C7	PALAEO	P	D3	O	1
1761.74	P3135 H	87.50	C6	PALAEO	P	D3	O	1
1764.00	P3135 L	88.50	C6	PALAEO	P	B4	E	*
1765.00	M3185 L	89.00	C.striatoconus oe	PALAEO	P	B4	E	*
1765.10	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	4
1765.10	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	4
1765.40	P3150 H	91.00	C3	PALAEO	P	B2	O	1
1773.00	P3155 H	96.50	C2	PALAEO	P	B4	E	*
1773.94	P3155 H	96.50	C2	PALAEO	P	D2	O	1
1793.80	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	4
1793.80	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	4
1805.64	M3210 H	99.50	P.ludbrookiae 1b	MIN AGE	P	B5	O	3
1805.64	P3160 H	99.00	C1	PALAEO	P	B2	O	1
1897.10	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	4
1897.10	QT306 H	104.00	Time Slice Cretaceous 6	TIMESLICE	P	H3	O	4
1926.34	M3215 L	109.00	C.denticulata 1c/2a	PALAEO	P	B2	O	3
1926.34	P3160 L	108.70	C1	PALAEO	P	B3	O	1
1932.00	QT306 L	110.00	Time Slice Cretaceous 6	TIMESLICE	P	H3	O	4
1932.00	QT305 H	110.00	Time Slice Cretaceous 5	TIMESLICE	P	H3	O	4
1943.10	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H3	O	4
1943.10	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H3	O	4
1950.11	M3235 H	113.00	D.davidii 2biii	MIN AGE	P	B5	O	3
1997.66	M3240 L	119.50	O.operculata 2c	MAX AGE	P	B3	O	3
1997.80	QT304 L	119.00	Time Slice Cretaceous 4	TIMESLICE	P	H3	O	4
1997.80	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	4
2019.00	M3252 H	119.50	M.australis 2dii/iii	PALAEO	P	B4	O	3
2041.86	P3165 M	124.75	L.ouachensis	PALAEO	P	B3	O	1
2149.14	M3252 L	126.00	M.australis 2dii/iii	PALAEO	P	B4	O	3

2172.90	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	4
2172.90	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	4
2225.65	M3260 M	128.00	M.testudinaria 2div	PALAEO P	B2	O	3
2296.97	M3265 M	131.00	P.burgerii 3a	PALAEO P	B3	O	3
2325.62	M3270 M	133.50	S.tabulata 3b	PALAEO P	B3	O	3
2378.10	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	4
2378.10	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H3	O	4
2485.00	M3290 H	137.00	E.torynum 4ai/ii	PALAEO P	B4	E	*
2514.60	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE P	B4	O	3
2599.33	M3298 H	138.00	B.reticulatum 4aiii/iv	PALAEO P	B2	O	3
2623.11	M3298 L	139.50	B.reticulatum 4aiii/iv	PALAEO P	B2	O	3
2813.91	M3310 H	139.50	D.lobispinosum 4bi	PALAEO P	B4	O	3
2855.98	M3310 L	140.50	D.lobispinosum 4bi	PALAEO P	B2	O	3
2862.70	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H5	O	4
2862.70	QT408 H	150.00	Time Slice Jurassic 8	TIMESLICE P	H5	O	4
2883.00	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO P	B4	E	*
2883.41	M4141 M	156.00	Pyxidiella superzone	PALAEO P	B4	O	2
2886.80	QT408 L	162.00	Time Slice Jurassic 8	TIMESLICE P	H5	O	4
2886.80	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H5	O	4
2902.00	S4125 H	167.00	C.cooksoniae	MIN AGE P	B5	O	2
2962.00	S4125 H	167.00	C.cooksoniae	PALAEO P	B4	E	*
3159.90	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H5	O	4
3159.90	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	4
3374.14	S4135 L	179.00	D.complex	PALAEO P	B5	O	3
3396.69	S4145 H	179.00	I.turbatus	PALAEO P	B5	O	3
3443.70	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	4
3443.70	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	4
3470.00	S4125 L	173.00	C.cooksoniae	PALAEO P	B3	E	*
3638.00	S4145 H	179.00	I.turbatus	PALAEO P	B4	E	*
3738.40	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	4
3738.40	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	4
3820.10	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	4
3820.10	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	4
3842.00	S4145 L	193.50	I.turbatus	PALAEO P	B4	O	3
3895.34	S4150 H	193.50	C.torosa	PALAEO P	B3	O	3
3917.00	S4150 H	193.50	C.torosa	PALAEO P	D4	E	*
3960.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	4
3960.00	QT401 H	200.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	4
4068.00	S4150 L	210.00	C.torosa	PALAEO P	B4	E	*
4068.60	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	4
4069.08	S4150 L	210.00	C.torosa	PALAEO P	B5	O	3

Foraminiferal analysis based on 125 SWCs and 32+ cuttings samples between 1700-13,340ft (518-4066m).

Palynology based on 91 SWCs, 1 junk basket and 2 cuttings samples between 2870-13,350ft (875-4069m).

Palynological zone picks by Morgan (1990) accepted with little confidence due to rapid analysis of poor preparations.

Identification of Contignisporites cooksoniae as deep as 11385ft (3470m) by Wilschut (1973) if correct creates major conflict with Morgan's picks.

Late Jurassic Pyxidiella Superzone sample at 2883.4m was missing from relinquishment slide set (see Morgan 1990).

Wilschut (1973) records only 11 amalgamated assemblages mostly over broad sample intervals.

Data sheet by Morgan (1990) is estimated to be based on recording workable assemblages from less than 40% of samples.

- 1 Apthorpe, M., 1973. Micropalaeontological report on well East Mermaid-1, Permit WA-30P, Rowley Shoals Basin, WA. 113-131. (Nov.).
- 2 Wilschut, J.G., 1973. Palynological report on well East Mermaid-1, Permit WA-30-P, Rowley Basin, WA. 12p. (Dec.).
- 3 Morgan, R., 1978. Palynological Data Sheet. 4p. (no supporting species lists.)
- 4 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Jarman 1
 -19.122111 117.344869 Beagle Sub-basin Carnarvon Basin
 PEDIN/File numbers: W6780002 77/1810

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	==	==	==	==
				** = non-active record				
134.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	5
435.00	P1110 H	2.92	N18/19	PALAEO	P	D2	E	*
435.00	P1108 H	2.92	N19	PALAEO	P	D1	O	1
472.00	QT105 H	5.10	Time Slice Cainozoic 5	TIMESLICE	P	H5	O	5
480.00	P1110 L	5.10	N18/19	PALAEO	P	D2	E	*
490.00	P1115 L	7.14	N17	PALAEO	P	D3	O	1
970.00	P1126 H	11.70	N14	MIN AGE	P	D5	O	1
990.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H5	O	5
990.00	QT104 H	11.90	Time Slice Cainozoic 4	TIMESLICE	P	H5	O	5
1230.00	P1155 H	18.75	N5	PALAEO	P	D3	E	*
1230.00	B1150 H	18.00	L.(E)badjiaensis	PALAEO	P	D3	O	1
1290.00	B1150 L	22.00	L.(E)badjiaensis	PALAEO	P	D3	O	1
1340.00	P1160 L	26.30	N4	PALAEO	P	D4	E	*
1347.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H5	O	5
1347.00	QT203 H	29.20	Time Slice Cainozoic 3	TIMESLICE	P	H4	O	5
1350.00	P2110 H	30.60	P20	PALAEO	P	D4	E	*
1355.00	P1107 H	2.92	N20	MIN AGE	P	D2	O	1
1390.00	P2112 L	37.50	P18	MAX AGE	P	D2	O	1
1403.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H4	O	5
1403.00	QT203 L	38.07	Time Slice Cainozoic 3	TIMESLICE	P	H4	O	5
1560.00	P2210 H	42.75	T12	PALAEO	P	D3	O	1
1582.00	P2210 L	43.18	T12	PALAEO	P	F3	O	1
1590.00	P2215 H	57.10	T11	PALAEO	P	D3	O	1
1620.00	P2215 L	58.30	T11	PALAEO	P	D3	O	1
1630.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	5
1630.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	5
1635.00	P2220 H	46.70	T10	MIN AGE	P	D4	O	1
1635.00	P2225 H	51.50	T9	PALAEO	P	D3	E	*
1655.00	P2225 L	53.13	T9	MAX AGE	P	D4	O	1
1660.00	P2230 H	53.13	T8	PALAEO	P	D3	O	1
1665.00	P2230 L	55.30	T8	PALAEO	P	D3	O	1
1675.00	P2235 H	55.30	T7	MIN AGE	P	D3	O	1
1675.00	P2235 H	55.30	T7	PALAEO	P	D4	E	*
1685.00	P2240 L	55.90	T6	MAX AGE	P	D3	O	1
1685.00	P2250 H	55.90	T4/5	PALAEO	P	D3	E	*
1695.00	P2245 M	56.50	T5	PALAEO	P	D3	O	1
1700.00	P2255 H	57.10	T4	PALAEO	P	D3	O	1
1710.00	P2255 L	58.30	T4	PALAEO	P	D3	O	1
1715.00	P2250 L	58.30	T4/5	PALAEO	P	D4	E	*
1720.00	P2260 H	58.30	T3	PALAEO	P	D5	O	1
1730.00	P2265 L	60.80	T2	PALAEO	P	D3	O	1
1734.00	P2270 M	61.27	T1	SNGL DEPTH	P	B2	O	1
1744.00	P2270 L	61.73	T1	PALAEO	P	D3	E	*
1745.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	5
1745.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	O	5
1745.00	P3200 H	65.00	A.mayaroensis	PALAEO	P	D3	E	*
1748.00	P3100 H	65.00	C13	PALAEO	P	B2	O	1
1785.00	P3200 L	68.00	A.mayaroensis	PALAEO	P	D3	E	*
1785.00	P3105 L	67.00	C12	PALAEO	P	D4	O	1
1787.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	O	5
1787.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	5
1787.00	P3210 H	70.50	G.cuvillieri	PALAEO	P	D3	E	*
1790.00	P3110 H	70.00	C11	PALAEO	P	D3	O	1
1920.00	P3110 L	73.00	C11	PALAEO	P	D5	O	1
1935.00	P3210 L	72.00	G.cuvillieri	PALAEO	P	D3	E	*
1950.00	P3215 H	73.70	H.semicostatae	PALAEO	P	D3	E	*
1950.00	P3115 H	73.00	C10	PALAEO	P	D3	O	1
2010.00	P3115 L	79.50	C10	PALAEO	P	D5	O	1
2025.00	P3225 H	79.80	G.arca	PALAEO	P	D4	E	*
2025.00	P3120 H	79.50	C9	PALAEO	P	D2	O	1
2035.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	5
2035.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	5
2035.00	P3120 L	83.00	C9	PALAEO	P	D5	O	1
2040.00	P3125 H	83.00	C8	PALAEO	P	D2	O	1
2055.00	P3125 L	85.00	C8	PALAEO	P	D5	O	1
2070.00	P3130 H	85.00	C7	PALAEO	P	D2	O	1
2090.00	P3130 L	87.50	C7	PALAEO	P	D3	O	1
2100.00	P3135 H	87.50	C6	PALAEO	P	D2	O	1
2115.00	P3250 L	90.50	P.stephani	PALAEO	P	D4	E	*
2115.00	P3135 L	88.50	C6	PALAEO	P	D2	O	1
2120.00	P3255 H	89.30	P.helvetica	PALAEO	P	D3	E	*
2120.00	P3140 H	88.50	C5	PALAEO	P	D3	O	1
2130.00	P3145 H	90.00	C4	PALAEO	P	D3	O	1
2135.00	P3255 L	89.80	P.helvetica	PALAEO	P	B3	E	*
2138.00	P3260 H	91.00	R.cushmani	PALAEO	P	D3	E	*
2138.00	M3195 M	90.50	P.infusorioides lai	PALAEO	P	B3	O	3
2138.00	P3150 H	91.00	C3	PALAEO	P	B2	O	1
2140.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	5
2140.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	5

2145.00	P3150 L	96.50	C3	PALAEO	P	B3	O	1
2150.00	P3270 H	97.50	P.buxtorfi	PALAEO	P	D3	E	*
2150.00	P3155 H	96.50	C2	PALAEO	P	B3	O	1
2162.00	P3160 H	99.00	C1	PALAEO	P	B5	O	1
2167.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	5
2167.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	5
2182.00	M3215 L	109.00	C.denticulata 1c/2a	MAX AGE	P	B4	O	3
2204.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	5
2204.00	QT306 H	104.00	Time Slice Cretaceous 6	TIMESLICE	P	H3	O	5
2215.00	P3160 L	108.70	C1	PALAEO	P	B5	O	1
2220.00	P3160 L	108.70	C1	PALAEO	P	D4	E	*
2225.00	QT306 L	110.00	Time Slice Cretaceous 6	TIMESLICE	P	H3	O	5
2225.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	5
2250.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	5
2250.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	5
2265.00	M3260 H	126.00	M.testudinaria 2div	PALAEO	P	D3	O	3
2290.00	M3265 L	132.00	P.burgerii 3a	PALAEO	A	B3	O	3
2340.00	M3265 L	132.00	P.burgerii 3a	PALAEO	P	B5	O	3
2400.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	5
2400.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	5
2415.00	M3300 H	138.00	upper B.reticulatum 4aiii	PALAEO	P	B3	O	3
2460.00	M3300 L	139.00	upper B.reticulatum 4aiii	PALAEO	P	D3	O	3
2465.00	M3305 L	139.50	lower B.reticulatum 4aiv	PALAEO	P	B3	O	3
2480.00	M3310 H	139.50	D.lobisporosum 4bi	PALAEO	P	B3	O	3
2540.00	M3310 L	140.50	D.lobisporosum 4bi	PALAEO	P	B3	O	3
2570.00	M3330 L	144.50	lower P.iehense 4cii	MAX AGE	P	B5	O	3
2576.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	5
2576.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE	P	H3	O	5
2589.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE	P	H3	O	5
2589.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE	P	H3	O	5
2595.00	M4120 H	147.00	O.montgomeryi 5CI-III	PALAEO	P	D5	O	3
2610.00	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO	P	D5	O	3
2630.00	M4135 H	148.50	C.perforans 5D	PALAEO	P	D3	O	3
2645.00	M4135 L	150.00	C.perforans 5D	PALAEO	P	D5	O	3
2658.00	QT409 L	150.00	Time Slice Jurassic 9	TIMESLICE	P	H3	O	5
2658.00	QT408 H	150.00	Time Slice Jurassic 8	TIMESLICE	P	H3	O	5
2662.00	M4150 M	160.00	W.spectabilis 6CI/II	PALAEO	P	B3	O	3
2675.00	QT408 L	162.00	Time Slice Jurassic 8	TIMESLICE	P	H3	O	5
2675.00	QT407 H	162.00	Time Slice Jurassic 7	TIMESLICE	P	H3	O	5
2704.00	M4170 H	164.00	upper W.digitata 7AII	PALAEO	P	B3	E	*
2704.00	M4171 H	164.00	W.digitata 7AII/BI	PALAEO	P	B3	O	3
2738.00	M4175 L	167.00	lower W.digitata 7BI	PALAEO	P	B3	E	*
2738.00	M4171 L	167.00	W.digitata 7AII/BI	PALAEO	P	B3	O	3
2789.50	S4120 L	167.00	M.florida	MAX AGE	P	B5	O	3
2793.00	QT407 L	167.00	Time Slice Jurassic 7	TIMESLICE	P	H4	O	5
2793.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H5	O	5
2906.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H5	O	5

Original data in 1978 WCR by Apthorpe & Ingram. Update by Hos (1988), not supported by assemblage lists. Revised by J. Rexilius in 1983, and A.D.Partridge in 1988.

Micropalaeontology analysis based on 122 cuttings, 9 SWC and 1 grab sample between 435-2220m.

Palynology by Ingram (1978) based on 24 SWCs and 9 cuttings samples between 2138-2902m.

Hos (1988) palynology study examined same samples as Ingram (1978) but reports 10 as barren, indeterminate or not studied.

Age of section below 2738m poorly controlled with majority of SWCs barren and cuttings severely caved. More analysis recommended.

- 1 Apthorpe, M., 1978. Micropalaeontological report on the Tertiary-Upper Cretaceous sequence of the Union Well Jarman-1, WA. 21p. (May).
- 2 Ingram, B.S., 1978. Palynology report Union Oil Development Corporation, Jarman-1 Well. Rept. BOPAL/90. 8p. (May).
- 3 Hos, D.P.C., 1988. Reconnaissance palynological breakdown of Jarman-1. ECL Aust. P/L Rept. 2p. (Dec.).
- 4 Partridge, A.D., 1988. Selected formation tops from Well Completion log.
- 5 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Kambara 1

-16.743011 122.437578 Canning Basin

Lennard Shelf

PEDIN/File numbers: W6820015 82/1282

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
*** = non-active record								
47.60	QT302	H	125.00	Time Slice	Cretaceous 2	TIMESLICE	P	H4 O 3
265.00	QT302	L	137.00	Time Slice	Cretaceous 2	TIMESLICE	P	H5 O 3
265.00	QT301	H	137.00	Time Slice	Cretaceous 1	TIMESLICE	P	H5 O 3
323.00	QT301	L	144.00	Time Slice	Cretaceous 1	TIMESLICE	P	H5 O 3
323.00	QT410	H	144.00	Time Slice	Jurassic 10	TIMESLICE	P	H5 O 3
452.00	QT410	L	147.50	Time Slice	Jurassic 10	TIMESLICE	P	H5 O 3
452.00	QT409	H	147.50	Time Slice	Jurassic 9	TIMESLICE	P	H5 O 3
491.00	QT409	L	150.00	Time Slice	Jurassic 9	TIMESLICE	P	H5 O 3
491.00	QT406	H	167.00	Time Slice	Jurassic 6	TIMESLICE	P	H5 O 3
655.00	QT406	L	177.00	Time Slice	Jurassic 6	TIMESLICE	P	H5 O 3
655.00	QT603	H	268.00	Time Slice	Permian 3	TIMESLICE	P	H3 O 3
728.00	M3325	M	143.50	upper P.iehniense	4ci	PALAEO	P	E1 O 1
756.00	S6140	H	265.00	P.cicatricosa		MIN AGE	P	B4 O 1 *
756.00	S6240	H	265.00	lower Stage 4		MIN AGE	P	B4 O 1
756.00	S7120	H	322.00	G.maculosa		PALAEO	P	B3 E *
802.80	S6245	L	274.00	Stage 3b		PALAEO	A	B2 O 1
803.00	S6145	L	274.00	M.trisina (= G. trisinus)		PALAEO	P	B3 E *
810.00	S6245	L	274.00	Stage 3b		PALAEO	P	D2 O 1
831.00	S6150	H	273.00	D.townrowii (Powis/Esso use)		PALAEO	P	B3 E *
831.20	S6150	M	275.00	D.townrowii (Powis/Esso use)		PALAEO	P	B2 O 1
831.20	S6250	H	274.00	Stage 3a		PALAEO	P	B4 O 1
852.00	QT603	L	274.00	Time Slice	Permian 3	TIMESLICE	P	H3 O 3
852.00	QT602	H	274.00	Time Slice	Permian 2	TIMESLICE	P	H3 O 3
881.00	S7100	H	277.00	M.tentula		PALAEO	P	B2 E *
881.00	S7100	H	277.00	M.tentula		PALAEO	P	B2 O 1
894.40	S6250	L	277.00	Stage 3a		PALAEO	P	B4 O 1
916.50	QT602	L	277.00	Time Slice	Permian 2	TIMESLICE	P	H3 O 3
916.50	QT601	H	277.00	Time Slice	Permian 1	TIMESLICE	P	H3 O 3
919.20	S7255	H	277.00	Stage 2		PALAEO	P	B2 O 1
1188.40	S7255	L	286.00	Stage 2		PALAEO	A	B2 O 1
1198.00	S7100	L	286.00	M.tentula		PALAEO	P	B2 E *
1198.00	S7255	L	286.00	Stage 2		PALAEO	P	B4 O 1
1198.00	S7100	L	286.00	M.tentula		PALAEO	P	B2 O 1 *
1570.00	QT601	L	286.00	Time Slice	Permian 1	TIMESLICE	P	H5 O 3
1570.00	QT702	H	350.00	Time Slice	Carboniferous 2	TIMESLICE	P	H4 O 3
1590.00	S7135	H	352.00	Grandispora	spiculifera	PALAEO	P	B3 E *
1590.50	S7135	H	352.00	Grandispora	spiculifera	PALAEO	P	B2 O 1
1713.00	QT702	L	352.00	Time Slice	Carboniferous 2	TIMESLICE	P	H4 O 3
1713.00	QT701	H	352.00	Time Slice	Carboniferous 1	TIMESLICE	P	H5 O 3
1753.00	S7135	L	360.00	Grandispora	spiculifera	PALAEO	A	B2 E *
1753.70	S7135	L	360.00	Grandispora	spiculifera	PALAEO	A	B2 O 1
1805.00	QT701	L	360.00	Time Slice	Carboniferous 1	TIMESLICE	P	H5 O 3
1805.00	QT808	H	367.50	Time Slice	Devonian 8	TIMESLICE	P	H5 O 3
2065.00	S7135	L	360.00	Grandispora	spiculifera	PALAEO	P	D3 O 1
2070.00	S7135	L	360.00	Grandispora	spiculifera	PALAEO	P	B3 E *
2097.80	S8135	H	376.50	Ancyrospora	parva (PD4.2)	PALAEO	P	B4 O 1
2098.00	QT808	L	370.50	Time Slice	Devonian 8	TIMESLICE	P	H5 O 3
2098.00	QT806	H	374.00	Time Slice	Devonian 6	TIMESLICE	P	H5 O 3
2098.00	S8135	H	376.50	Ancyrospora	parva (PD4.2)	PALAEO	P	B3 E *
2646.00	QT806	L	378.50	Time Slice	Devonian 6	TIMESLICE	P	H3 O 3
2646.00	QT805	H	378.50	Time Slice	Devonian 5	TIMESLICE	P	H4 O 3
2697.70	S8135	L	380.00	Ancyrospora	parva (PD4.2)	PALAEO	P	B4 O 2
2698.00	S8135	L	380.00	Ancyrospora	parva (PD4.2)	PALAEO	P	B3 E *
2820.70	S8140	H	380.00	Aratrisporites	sp 572 (PD4.	PALAEO	P	A3 O 2
2821.00	S8145	H	387.00	Dibolisporites		PALAEO	P	B2 E *
3056.60	S8140	L	383.50	Aratrisporites	sp 572 (PD4.	PALAEO	P	B5 O 2
3150.00	QT805	L	387.00	Time Slice	Devonian 5	TIMESLICE	P	H4 O 3

Palynological results based on 36 SWCs, 1 core, 18 cuttings and 5 junk basket samples between 756-3056.6m.

Junk basket sample collected at 728m interpreted as caved from Jarlemai Siltstone between 397-452m.

Permo-Carboniferous interval coded in dual nomenclature of Stages and informal named zones.

Lower portion of Grant Formation between 1200-1570m was not sampled.

- 1 Helby, R., 1983. Palynological analysis of Kambara-1, Canning Basin, WA. Esso Aust. Ltd Palaeo. Rept. 1983/18? 17p. (April).
- 2 Powis, G.D., 1983. Modification of palynological data sheet. (Oct.).
- 3 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Keraudren 1
-18.907592 119.15423 Bedout Sub-basin
PEDIN/File numbers: W6730014 73/240

Canning Basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
						** = non-active record		
125.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	5	
544.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE P	H4	O	5	
569.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE P	H4	O	5	
569.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE P	H4	O	5	
594.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE P	H4	O	5	
594.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	5	
599.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	5	
599.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE P	H4	O	5	
620.00	P3110 H	70.00	C11	MIN AGE	P	D3	O	2
714.00	P3115 H	73.00	C10	PALAEO	P	B4	O	1
790.00	P3120 L	83.00	C9	PALAEO	P	D5	O	1
801.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE P	H3	O	5	
801.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE P	H3	O	5	
807.00	P3125 M	84.00	C8	PALAEO	P	B2	O	1
836.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE P	H3	O	5	
836.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE P	H3	O	5	
847.00	M3200 M	94.75	D.multispinum laii	PALAEO	P	B3	O	3
877.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE P	H3	O	5	
877.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE P	H3	O	5	
898.00	M3210 H	99.50	P.ludbrookiaie 1b	PALAEO	P	B3	O	4
1049.50	M3210 L	104.00	P.ludbrookiaie 1b	PALAEO	P	B2	O	4
1065.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE P	H3	O	5	
1065.00	QT306 H	104.00	Time Slice Cretaceous 6	TIMESLICE P	H5	O	5	
1099.00	M3250 H	119.50	upper M.australis 2dii	PALAEO	P	B4	E	*
1120.00	QT306 L	110.00	Time Slice Cretaceous 6	TIMESLICE P	H5	O	5	
1120.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE P	H4	O	5	
1149.00	M3240 H	115.00	O.operculata 2c	MIN AGE	P	B5	O	4
1178.00	QT304 L	119.00	Time Slice Cretaceous 4	TIMESLICE P	H4	O	5	
1178.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE P	H4	O	5	
1200.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H4	O	5	
1200.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	5	
1212.50	M3280 L	137.00	S.areolata 3c	MAX AGE	P	B3	O	4
1213.00	M3260 L	130.00	M.testudinaria 2div	PALAEO	P	B4	E	*
1215.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H4	O	5	
1215.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H4	O	5	
1302.00	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE	P	B5	O	3
1400.00	M3320 L	143.00	K.wisemaniae 4biii	PALAEO	P	B4	E	*
1438.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H4	O	5	
1438.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE P	H3	O	5	
1448.00	M3327 M	143.75	P.iehense 4ci/ii	PALAEO	P	B2	O	4
1510.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE P	H3	O	5	
1510.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE P	H3	O	5	
1535.00	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	P	B4	E	*
1535.00	M4120 M	147.75	O.montgomeryi 5CI-III	PALAEO	P	B2	O	4
1542.00	M4145 H	154.50	W.clathrata 6B	PALAEO	P	B4	E	*
1542.00	M4150 M	160.00	W.spectabilis 6CI/II	PALAEO	P	B3	O	4
1545.00	QT409 L	150.00	Time Slice Jurassic 9	TIMESLICE P	H3	O	5	
1545.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H3	O	5	
1574.00	S4125 H	167.00	C.cooksoniae	MIN AGE	P	B5	O	3
1648.00	S4135 L	179.00	D.complex	MAX AGE	P	B5	O	4
1780.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	5	
1780.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	5	
1956.00	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	5	
1956.00	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	5	
2010.00	S4145 H	179.00	I.turbatus	MIN AGE	P	B3	O	4
2076.00	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	5	
2076.00	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	5	
2100.00	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	5	
2100.00	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	5	
2122.00	S4150 H	193.50	C.torosa	PALAEO	P	B2	O	4
2181.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	5	
2181.00	QT401 H	200.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	5	
2226.00	S4150 L	210.00	C.torosa	PALAEO	P	B2	O	4
2301.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	5	
2301.00	QT505 H	222.00	Time Slice Triassic 5	TIMESLICE P	H4	O	5	
2462.00	S5100 H	210.00	Falcisporites Superzone	MIN AGE	P	B5	O	3
2625.00	QT505 L	231.00	Time Slice Triassic 5	TIMESLICE P	H4	O	5	
2625.00	QT504 H	231.00	Time Slice Triassic 4	TIMESLICE P	H4	O	5	
2810.00	S5125 H	225.00	upper S.speciosus (NWS)	PALAEO	P	B4	E	*
2953.00	S5140 H	235.00	S.quadrifidus (NWS)	PALAEO	P	B4	O	4
2960.00	QT504 L	235.00	Time Slice Triassic 4	TIMESLICE P	H4	O	5	
2960.00	QT503 H	235.00	Time Slice Triassic 3	TIMESLICE P	H4	O	5	
3126.00	S5140 L	240.50	S.quadrifidus (NWS)	PALAEO	P	B4	O	4

3200.00	QT503	L	239.00	Time Slice Triassic 3	TIMESLICE	P	H4	O	5
3200.00	QT502	H	239.00	Time Slice Triassic 2	TIMESLICE	P	H4	O	5
3221.00	S5145	H	240.50	T.playfordii	PALAEO	P	B4	O	4
3565.00	S5140	L	240.50	S.quadrifidus (NWS)	PALAEO	P	B4	E	*
3633.00	S5145	H	240.50	T.playfordii	PALAEO	P	B4	E	*
3807.00	S5145	L	244.50	T.playfordii	PALAEO	P	B4	O	4
3839.00	S5145	L	244.50	T.playfordii	PALAEO	P	B4	E	*
3844.00	QT502	L	245.00	Time Slice Triassic 2	TIMESLICE	P	H4	O	5

Micropalaeontological analysis based on 15 SWCs and 11+ cuttings samples between 520-1535m.

Palynology results based on 54 SWCs, 1 cuttings and 1 junk basket sample between 529-3839m.

Timeslice Cz2, Cz1, K11 interpreted from seismic

- 1 Apthorpe, M., 1973. Micropalaeontological report Keraudren-1 well on behalf of Hematite Petroleum P/L. BOCAL rept. 5p. (Dec.).
- 2 Apthorpe, M., 1974. Supplementary Palaeontology Report, Hematite Petroleum Keraudren-1 well. BOC of Australia Ltd. 2p. (April).
- 3 Ingram, B.S., 1974. Palynology report Hematite Petroleum Keraudren-1 well. BOCAL Rept. 10p. (March).
- 4 Morgan, R., 1990. Palynology Data Sheet. 4p. (Dec.). No supporting species lists.
- 5 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Lacepede 1A
-17.088439 121.444822 Canning Basin Fitzroy Trough
PEDIN/File numbers: W6700002 70/426

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
						'*'	= non-active record	
68.00	QT107	H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O 7
97.54	P1107	H	2.92	N20	MIN AGE	P	D5	O 1
219.46	P1120	L	10.05	N16	MAX AGE	P	D5	O 1
302.70	QT309	H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H4	O 7
317.30	M3185	M	88.00	C.striatoconus oe	PALAEO	P	B3	O 2
335.28	P3110	H	70.00	C11	MIN AGE	P	D5	O 1 *
336.80	QT309	L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H4	O 7
336.80	QT304	H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H4	O 7
343.00	M3180	L	87.00	O.porifera odii	PALAEO	P	B4	E *
371.00	M3185	H	87.00	C.striatoconus oe	PALAEO	P	D4	E *
373.40	QT304	L	119.00	Time Slice Cretaceous 4	TIMESLICE	P	H4	O 7
373.40	QT303	H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H4	O 7
384.05	M3240	H	115.00	O.operculata 2c	MIN AGE	P	B3	O 5
542.54	M3252	H	119.50	M.australis 2dii/iii	PALAEO	P	B3	O 5
640.08	M3252	L	126.00	M.australis 2dii/iii	PALAEO	P	D5	O 6
685.19	M3260	H	126.00	M.testudinaria 2div	MIN AGE	P	B4	O 6
685.80	QT303	L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H4	O 7
685.80	QT302	H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H4	O 7
746.76	M3265	L	132.00	P.burgerii 3a	MAX AGE	P	B5	O 6
899.16	M3290	H	137.00	E.torynum 4ai/ii	MIN AGE	P	B3	O 5
903.70	QT302	L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O 7
903.70	QT301	H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H4	O 7
914.40	M3305	H	139.00	lower B.reticulatum 4aiv	PALAEO	P	B3	O 2
1071.86	M3310	H	139.50	D.lobispinosum 4bi	PALAEO	P	A1	O 3
1075.49	M3310	L	140.50	D.lobispinosum 4bi	PALAEO	A	A1	O 3
1081.00	M3315	H	140.50	C.delicata 4bii	PALAEO	P	B2	E *
1081.43	M3310	L	140.50	D.lobispinosum 4bi	PALAEO	P	B3	O 6
1127.76	M3315	M	141.25	C.delicata 4bii	PALAEO	P	B5	O 5
1158.24	M3320	H	142.00	K.wisemaniae 4biii	PALAEO	P	B2	O 5
1188.72	M3320	L	143.00	K.wisemaniae 4biii	PALAEO	P	B2	O 5
1207.00	QT301	L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O 7
1207.00	QT410	H	144.00	Time Slice Jurassic 10	TIMESLICE	P	H3	O 7
1219.20	M4100	H	144.50	D.jurassicum 5A/B	PALAEO	P	B3	O 5
1266.44	M4100	L	147.00	D.jurassicum 5A/B	PALAEO	P	B3	O 5
1272.50	QT410	L	147.50	Time Slice Jurassic 10	TIMESLICE	P	H4	O 7
1272.50	QT409	H	147.50	Time Slice Jurassic 9	TIMESLICE	P	H4	O 7
1312.16	M4141	L	162.00	Pyxidiella superzone	MAX AGE	P	B4	O 2
1319.80	QT409	L	150.00	Time Slice Jurassic 9	TIMESLICE	P	H4	O 7
1319.80	QT406	H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H3	O 7
1327.40	S4125	H	167.00	C.cooksoniae	PALAEO	P	B3	O 5
1342.64	S4125	L	173.00	C.cooksoniae	PALAEO	P	B3	O 6
1343.00	S4130	H	173.00	upper D.complex	PALAEO	P	B4	E *
1382.27	S4135	H	173.00	D.complex	PALAEO	P	B3	O 5
1485.90	S4135	L	179.00	D.complex	PALAEO	A	B3	O 6
1486.00	S4140	L	179.00	lower D.complex	PALAEO	P	B4	E *
1492.00	S4145	H	179.00	I.turbatus	PALAEO	P	B2	E *
1516.38	S4135	L	179.00	D.complex	PALAEO	P	B5	O 5
1562.10	QT406	L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H3	O 7
1562.10	QT405	H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H3	O 7
1568.20	S4145	H	179.00	I.turbatus	PALAEO	P	B3	O 6
1804.40	QT405	L	180.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O 7
1804.40	QT404	H	180.00	Time Slice Jurassic 4	TIMESLICE	P	H5	O 7
1906.52	S4145	L	193.50	I.turbatus	PALAEO	A	B2	O 6
1928.00	S4145	L	193.50	I.turbatus	PALAEO	P	B2	E *
1982.72	S4145	L	193.50	I.turbatus	PALAEO	P	B5	O 2
1998.00	QT404	L	189.00	Time Slice Jurassic 4	TIMESLICE	P	H3	O 7
1998.00	QT706	H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H3	O 7
2001.01	S7260H		286.00	Stage 1	MIN AGE	P	B5	O 4
2286.00	S7110L		308.50	D.birkheadensis	MAX AGE	P	B5	O 4
2286.00	QT706	L	308.50	Time Slice Carboniferous 6	TIMESLICE	P	H3	O 7

Foraminiferal analysis based on 54 cuttings, 14 SWCs and 2 core samples. Foraminifera analysed in Lacedpede-1 between 320-720ft (97-219m) and in Lacedpede-1A between 900-7180ft (274-2188m). Palynology results based on 87 SWCs, 4 cores and 61 cuttings samples between 1004-7500ft (306-2286m). Results from foraminiferal analysis very poor. Faunas dominated by benthonics. Only latest Tertiary and top of Late Cretaceous identified with low confidence. Palynology of Late Cretaceous confused with both Helby (1984) and Ingram (1990) reporting contamination or reworking of Neocomian index dinoflagellates in SWCs between 341-378m.

Lister (1970) records *Conosphaeridium tubulosum* in SWC at 317.3m and *C. striatoconus* in cuttings at 371.9m. If correct these occurrences suggest older Cretaceous ages than foraminifera.

P. ludbrookiae-*D. multispinum* Zones present in well based on caved index species recorded by Lister (1970) in cuttings.

In situ palynomorph assemblages below 2000m all carbonised making age dating unreliable.

Identification of key Late Permian index species *Didectritiletes ericianus* by Lister (1970) is SWC at 2000m and C-5 at 2286m could not be confirmed.

Consensus of opinions by Helby & Partridge (1981) and Ingram (1990) is that carbonised section is Late Carboniferous.

- 1 Wall, D.R., 1970. Micropalaeontological report on the Lacepede-1 & 1A wells, WA. 24p. (Sept.).
- 2 Lister, T.R., 1970. Palynology report on BOC well, Lacepede-1A. 65p. (July).
- 3 Helby, R., 1981. Report on Palynological Investigation of Samples from Lacepede-1A, Core-2. Esso Aust. Ltd Palaeo. Rept 1981/7. 4p. (Feb.).
- 4 Helby, R. & Partridge, A.D., 1982. Palynological review selected stratigraphic intervals in Lacepede-1A, Meda-1, Tappers Inlet-1 & Wamac-1. EAL rept. 1981/25. (Completed 27/4/82)
- 5 Helby, R., 1984. A palynological reconnaissance of selected sequences from Barrow Deep-1, Brigadier-1, Delambre-1 and Lacepede-1A offshore WA. EAL Rpt. 84/12. (Oct.).
- 6 Ingram, B.S., 1990. Palynology Data Sheet. 3p. No supporting species lists.
- 7 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Lagrange 1

-18.274278 119.302 Bedout Sub-basin Broome Arch Canning Basin

PEDIN/File numbers: W6820022 82/1623

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
*** = non-active record								
154.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	3	
686.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE P	H5	O	3	
753.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE P	H5	O	3	
753.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE P	H5	O	3	
880.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE P	H5	O	3	
880.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE P	H5	O	3	
1038.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE P	H5	O	3	
1038.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE P	H5	O	3	
1092.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE P	H5	O	3	
1092.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE P	H5	O	3	
1137.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE P	H5	O	3	
1137.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE P	H5	O	3	
1151.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE P	H5	O	3	
1151.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE P	H5	O	3	
1183.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE P	H5	O	3	
1183.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE P	H5	O	3	
1232.00	QT304 L	119.00	Time Slice Cretaceous 4	TIMESLICE P	H5	O	3	
1232.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE P	H5	O	3	
1384.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H5	O	3	
1384.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	3	
1400.00	M3260 H	126.00	M.testudinaria 2div	PALAEO P	D3	O	2	
1416.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	3	
1416.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H4	O	3	
1600.00	M3265 L	132.00	P.burgerii 3a	PALAEO P	D3	O	2	
1650.00	M3310 H	139.50	D.lobispinosum 4bi	PALAEO P	D3	O	2	
1710.00	M3310 L	140.50	D.lobispinosum 4bi	PALAEO P	D3	O	2	
1723.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H2	O	3	
1723.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	3	
1740.00	M3315 L	142.00	C.delicata 4bii	MAX AGE P	D5	O	2	
1967.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	3	
1967.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	3	
2177.00	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	3	
2177.00	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	3	
2306.00	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	3	
2306.00	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	3	
2323.50	S4145 H	179.00	I.turbatus	PALAEO P	B3	O	2	
2353.00	S4145 L	193.50	I.turbatus	PALAEO P	B3	O	2	
2370.00	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	3	
2370.00	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	3	
2383.00	S4150 H	193.50	C.torosa	PALAEO P	B2	O	2	
2557.00	S4150 L	210.00	C.torosa	PALAEO A	B2	O	2	
2563.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	3	
2563.00	QT401 H	200.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	3	
2661.50	S4150 L	210.00	C.torosa	MAX AGE P	B2	O	2	
2835.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	3	
2835.00	QT503 H	235.00	Time Slice Triassic 3	TIMESLICE P	H4	O	3	
2869.00	L2000 H		Volcanics	FORMATION P	H1	O	3	
2869.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE P	H4	O	3	
2870.00	S5130 M	230.00	S.speciosus (NWS)	MAX AGE P	D5	O	2	
3260.00	L2000 L		Volcanics	FORMATION P	H1	O	3	

Palynological results based on 16 SWCs and 16 cuttings samples between 1400-2870m.

Datums taken from data sheet of Ingram (1990) as original report provides only amalgamated assemblages over 5 composite intervals.

Most samples below 2557m appear barren or contain few insitu palynomorphs.

Age reliability of section very poor.

No palynology samples analysed between 1740m to 2323.5m.

Timeslice Cz2, Cz1, K11, K10, K9, K8, K7, K4 & K3 interpreted from seismic and the adjacent Bedout 1 well.

- Ingram, B.S., 1983. Palynology Report WP07/83, Lagrange-1. 38-48p.
- Ingram, B.S., 1990. Palynological Data Sheet. 2p. (Nov.). No species lists available.
- Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Minilya 1

-18.32465 118.732426 Bedout Sub-basin

Canning Basin

PEDIN/File numbers: W6740013 74/116

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
** = non-active record								
176.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	4	
820.00	P1250 H	13.60	D2	PALAEO P	B4	E		
982.00	P1265 L	16.60	F	PALAEO P	D4	E		
1035.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE P	H3	O	4	
1205.00	P2210 H	42.75	T12	PALAEO P	B4	E		
1250.00	P2210 L	43.18	T12	PALAEO P	B4	E		
1290.00	P2215 H	57.10	T11	PALAEO P	D4	E		
1320.00	P2215 L	58.30	T11	PALAEO P	B4	E		
1332.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE P	H3	O	4	
1332.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE P	H2	O	4	
1355.00	P2225 H	51.50	T9	PALAEO P	B4	E		
1595.00	P2225 L	53.13	T9	PALAEO P	B4	E		
1605.00	P2240 H	55.50	T6	PALAEO P	B4	E		
1620.00	P2240 L	55.90	T6	PALAEO P	D4	E		
1640.00	P2250 H	55.90	T4/5	PALAEO P	B4	E		
1656.00	P2250 L	58.30	T4/5	PALAEO P	B4	E		
1665.00	P2260 H	58.30	T3	PALAEO P	B4	E		
1673.00	P2265 H	58.87	T2	PALAEO P	B4	E		
1678.00	P2270 L	61.73	T1	PALAEO P	B4	E		
1681.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE P	H3	O	4	
1681.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE P	H3	O	4	
1686.00	P3100 H	65.00	C13	PALAEO P	B2	O	1	
1698.00	P3105 L	67.00	C12	MAX AGE P	B4	O	1	
1698.00	P3110 H	70.00	C11	PALAEO P	B4	E	*	
1703.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE P	H3	O	4	
1703.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE P	H2	O	4	
1720.00	P3110 L	73.00	C11	PALAEO P	B4	E	*	
1720.00	P3115 H	73.00	C10	PALAEO P	B4	O	1	
1749.00	P3115 H	73.00	C10	PALAEO A	B3	O	1	
1779.00	P3115 L	79.50	C10	PALAEO P	B3	O	1	
1810.00	P3120 H	79.50	C9	PALAEO P	B3	O	1	
1865.00	P3120 L	83.00	C9	PALAEO P	D4	O	1	
1868.00	P3115 L	79.50	C10	PALAEO P	B4	E	*	
1870.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE P	H2	O	4	
1870.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE P	H2	O	4	
1873.00	P3125 M	84.00	C8	SNGL DEPTH P	B3	O	1	
1883.50	P3135 M	88.00	C6	SNGL DEPTH P	B3	O	1	
1893.00	P3140 M	89.25	C5	SNGL DEPTH P	B3	O	1	
1895.00	P3150 H	91.00	C3	PALAEO P	D3	O	1	
1896.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE P	H2	O	4	
1896.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE P	H2	O	4	
1897.00	P3150 H	91.00	C3	PALAEO P	D4	E	*	
1900.00	P3155 H	96.50	C2	PALAEO P	D3	O	1	
1903.00	P3150 L	96.50	C3	PALAEO P	D4	E	*	
1905.00	P3155 H	96.50	C2	PALAEO P	B4	E	*	
1905.00	P3155 L	99.00	C2	PALAEO P	B3	O	1	
1912.50	P3160 H	99.00	C1	PALAEO P	B3	O	1	
1914.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE P	H2	O	4	
1914.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE P	H3	O	4	
1961.00	P3160 L	108.70	C1	PALAEO P	B3	O	1	
1967.00	M3225 H	109.00	M.tetracantha 2bi/ii	MIN AGE P	B3	O	3	
1968.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE P	H3	O	4	
1968.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	4	
1986.00	M3252 H	119.50	M.australis 2dii/iii	PALAEO P	B3	O	3	
1989.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	4	
1989.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	4	
1991.50	M3260 L	130.00	M.testudinaria 2div	PALAEO P	B3	O	3	
1992.00	M3260 H	126.00	M.testudinaria 2div	PALAEO P	B4	E	*	
2010.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	4	
2010.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H2	O	4	
2012.50	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE P	B2	O	3	
2013.00	M3290 H	137.00	E.torynum 4ai/ii	PALAEO P	B4	E	*	
2083.00	M3310 H	139.50	D.lobispinosum 4bi	PALAEO P	B3	O	3	
2099.00	M3310 L	140.50	D.lobispinosum 4bi	PALAEO P	B2	O	3	
2105.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H3	O	4	
2105.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE P	H3	O	4	
2110.50	M3315 L	142.00	C.delicata 4bii	MAX AGE P	B4	O	3	
2117.50	M4100 H	144.50	D.jurassicum 5A/B	PALAEO P	B2	O	3	
2123.00	M4100 L	147.00	D.jurassicum 5A/B	PALAEO P	B2	O	3	
2127.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE P	H3	O	4	
2127.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE P	H3	O	4	
2137.00	M4100 L	147.00	D.jurassicum 5A/B	PALAEO P	B4	E	*	
2144.00	S4130 H	173.00	upper D.complex	PALAEO P	B4	E	*	

2144.00	M4171	H	164.00	W.digitata	7AII/BI	PALAEO	P	B5	O	3
2146.00	QT409	L	150.00	Time Slice	Jurassic 9	TIMESLICE	P	H2	O	4
2146.00	QT407	H	162.00	Time Slice	Jurassic 7	TIMESLICE	P	H2	O	4
2169.50	M4171	H	164.00	W.digitata	7AII/BI	PALAEO	A	B2	O	3
2188.00	QT407	L	167.00	Time Slice	Jurassic 7	TIMESLICE	P	H3	O	4
2188.00	QT406	H	167.00	Time Slice	Jurassic 6	TIMESLICE	P	H4	O	4
2189.00	M4171	L	167.00	W.digitata	7AII/BI	PALAEO	P	B2	O	3
2193.00	S4125	H	167.00	C.cooksoniae		PALAEO	P	B4	O	3
2229.00	S4125	L	173.00	C.cooksoniae		PALAEO	P	B3	O	3
2241.50	S4135	H	173.00	D.complex		PALAEO	P	B4	O	3
2300.00	QT406	L	177.00	Time Slice	Jurassic 6	TIMESLICE	P	H4	O	4
2300.00	QT405	H	177.00	Time Slice	Jurassic 5	TIMESLICE	P	H4	O	4
2333.00	S4135	L	179.00	D.complex		PALAEO	P	B4	O	3
2388.00	S4145	L	193.50	I.turbatus		PALAEO	P	B4	E	*
2400.00	QT405	L	180.00	Time Slice	Jurassic 5	TIMESLICE	P	H4	O	4

Micropalaeontological analysis based on 75 SWCs and 40 cuttings samples between 486-2205m.

Foraminiferal dating good but some Late Cretaceous zones are very thin.

Lister (1974) records 54 SWCs prepared for palynology but Morgan (1990) reports on additional samples.

The six amalgamated assemblages recorded by Lister (1974) are only species lists available. Zonation therefore follows Morgan (1990) data sheet.

Half of SWCs processed for palynology come from Tertiary and Late Cretaceous section but none are reliably age dated.

- 1 Apthorpe, M., 1974. Palaeontological report on the BOC et al. Minilya-1 WA. BOCAL Rept. 22p. (Nov.1974).
- 2 Lister, T.R., 1974. Palynology report BOCAL et al. Minilya-1 well. BOPAL/66, 8p. (Oct.).
- 3 Morgan, R., 1990. Palynological Data Sheet. 2p. (Dec.). No supporting species lists.
- 4 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Minjin 1
 -16.802153 122.379091 Canning Basin Pender Terrace
 PEDIN/File numbers: W6840002 84/101

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	==	==	==	==
** = non-active record								
54.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	2	
268.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	2	
268.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H5	O	2	
385.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H5	O	2	
385.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE P	H5	O	2	
479.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE P	H5	O	2	
479.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE P	H5	O	2	
518.00	QT409 L	150.00	Time Slice Jurassic 9	TIMESLICE P	H5	O	2	
518.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H5	O	2	
745.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H5	O	2	
745.00	QT603 H	268.00	Time Slice Permian 3	TIMESLICE P	H3	O	2	
750.00	S6245 H	268.00	Stage 3b	PALAEO P	B1	O	1	
766.00	S6245 L	274.00	Stage 3b	PALAEO P	B1	O	1	
816.00	S6150 M	275.00	D.townrowii (Powis/Esso use)	PALAEO P	B1	O	1	*
816.00	S6250 H	274.00	Stage 3a	PALAEO P	B3	O	1	
827.00	QT603 L	274.00	Time Slice Permian 3	TIMESLICE P	H2	O	2	
827.00	QT602 H	274.00	Time Slice Permian 2	TIMESLICE P	H2	O	2	
828.30	S6250 H	274.00	Stage 3a	PALAEO A	B1	O	1	
963.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE P	H3	O	2	
963.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE P	H3	O	2	
1226.70	S6250 L	277.00	Stage 3a	PALAEO A	B1	O	1	
1266.00	S6250 L	277.00	Stage 3a	PALAEO P	B3	O	1	
1391.00	L2000 H		Volcanics	FORMATION P	H1	O	2	
1391.00	L2000 H		Volcanics	LOG PICK P	F1	O	1	
1476.00	L2000 L		Volcanics	FORMATION P	H1	O	2	
1476.00	L2000 L		Volcanics	LOG PICK P	F1	O	1	
1485.50	S7255 L	286.00	Stage 2	MAX AGE P	B5	O	1	
1549.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE P	H3	O	2	
1549.00	QT806 H	374.00	Time Slice Devonian 6	TIMESLICE P	H3	O	2	
1564.50	S8135 H	376.50	Ancyrospora parva (PD4.2)	PALAEO P	B3	O	1	
1722.50	S8135 L	380.00	Ancyrospora parva (PD4.2)	PALAEO P	B1	O	1	
1724.00	QT806 L	378.50	Time Slice Devonian 6	TIMESLICE P	H3	O	2	
1724.00	QT805 H	378.50	Time Slice Devonian 5	TIMESLICE P	H3	O	2	
1850.00	QT805 L	387.00	Time Slice Devonian 5	TIMESLICE P	H3	O	2	

Palynology results based on 31 SWC samples between 750-1722.5m.
 Consistent reworking of pre-glacial S.ybertii Zone palynomorphs recorded
 between 977-1549m in all productive samples from Grant Formation.
 Cretaceous-Jurassic above 745m not sampled.
 Intrusive volcanics- fission track ages 255 +or - 13Ma used to estimate Tr2
 age of intrusives

- 1 Powis, G.D., 1984. Palynological analysis of Minjin-1, Canning Basin, WA. Esso Aust. Ltd Palaeo. Rept. 1984/18. 15p. (July).
- 2 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

North Turtle 1
 -18.909806 118.088222 Beagle Sub-basin Carnarvon Basin
 PEDIN/File numbers: W6820007 82/960

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
				** = non-active record				
152.80	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	9
229.00	W2025 L		30" Casing shoe	WELL			O	8
795.00	W2000 L		20" Casing shoe	WELL			O	8
881.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H5	O	9
912.01	FW235 H		Walcott Formation	FORMATION			O	8
930.00	P2200 H	38.34	T14	MIN AGE	P	D5	O	2
1035.00	P2215 H	57.10	T11	PALAEO	P	D3	O	1
1094.00	FW240 H		Wilcox Formation	FORMATION			O	8
1094.50	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H4	O	9
1094.50	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H4	O	9
1095.00	P2230 H	53.13	T8	PALAEO	P	D3	O	1
1245.00	P2245 H	55.90	T5	PALAEO	P	D3	O	1
1295.00	P2255 H	57.10	T4	PALAEO	P	D3	O	2
1360.00	P2265 H	58.87	T2	PALAEO	P	D3	O	2
1445.00	P2270 H	60.80	T1	PALAEO	P	D3	O	1
1453.50	FW245 H		Dockrell Formation	FORMATION			O	8
1453.50	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	9
1453.50	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	9
1453.51	FW280 H		Withnell Formation	FORMATION			O	8
1455.00	P3110 H	70.00	C11	PALAEO	P	D5	O	1
1495.00	P3115 H	73.00	C10	PALAEO	P	D5	O	1
1522.50	FW135 H		Toolonga Calcilutite	FORMATION			O	8
1545.00	P3120 H	79.50	C9	PALAEO	P	D3	O	1
1585.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	9
1585.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	9
1645.00	P3125 H	83.00	C8	PALAEO	P	D5	O	1
1695.00	P3130 L	87.50	C7	PALAEO	P	D5	O	1
1706.00	FW250 H		Haycock Marl	FORMATION			O	8
1706.00	FW290 H		Nelson Rocks	FORMATION			O	8
1706.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	9
1706.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	9
1710.00	P3135 H	87.50	C6	MIN AGE	P	D5	O	1
1715.00	P3155 L	99.00	C2	MAX AGE	P	D5	O	1
1720.00	M3200 M	94.75	D.multispinum 1aii	MIN AGE			E	*
1720.00	M3210 H	99.50	P.ludbrookiaie 1b	PALAEO	P	D3	O	3
1760.00	M3210 M	101.75	P.ludbrookiaie 1b	MAX AGE			E	*
1760.00	M3210 L	104.00	P.ludbrookiaie 1b	PALAEO	P	D3	O	5
1767.00	FW115 H		Muderong Shale	FORMATION			O	8
1767.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H3	O	9
1767.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	9
1770.00	M3240 H	115.00	O.operculata 2c	MIN AGE	P	D4	O	5
1786.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	9
1786.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	9
1810.00	M3252 L	126.00	M.australis 2dii/iii	MAX AGE	P	D4	O	5
1822.40	FW115 L		Muderong Shale	FORMATION			O	8
1822.50	FW295 H		Mermaid Formation	FORMATION			O	8
1840.00	M3260 H	126.00	M.testudinaria 2div	PALAEO	P	D3	O	5
1841.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	9
1841.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	9
1845.00	M3265 L	132.00	P.burgerii 3a	PALAEO	P	D5	O	5
1880.00	FW300 H		Barrow Group	FORMATION			O	8
1945.00	M3300 M	138.50	upper B.reticulatum 4aiii	MIN AGE			E	*
1945.00	M3298 H	138.00	B.reticulatum 4aiii/iv	PALAEO	P	D3	O	5
2075.00	W2005 L		13-3/8" Casing shoe	WELL			O	8
2100.20	M3305 L	139.50	lower B.reticulatum 4aii	PALAEO	P	B2	E	*
2100.20	M3298 L	139.50	B.reticulatum 4aiii/iv	PALAEO	P	B3	O	3
2199.90	M3310 M	140.00	D.lobisporosum 4bi	PALAEO	P	B3	O	3
2202.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H5	O	9
2202.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE	P	H5	O	9
2217.01	FW305 H		Depuch Formation	FORMATION			O	8
2223.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE	P	H5	O	9
2223.00	QT407 H	162.00	Time Slice Jurassic 7	TIMESLICE	P	H3	O	9
2240.30	S4115 M	165.75	M.florida C (informal)	MIN AGE			E	*
2240.30	M4165 H	162.00	R.aemula 7AI	MIN AGE	P	B3	O	7
2240.30	M4170 H	164.00	upper W.digitata 7AII	PALAEO	P	B2	E	*
2310.40	M4171 H	164.00	W.digitata 7AII/BI	PALAEO	P	B2	O	5
2348.50	M4180 H	167.00	W.indotata 7BII	PALAEO	P	B2	E	*
2348.50	M4171 L	167.00	W.digitata 7AII/BI	PALAEO	P	B4	O	7
2365.00	QT407 L	167.00	Time Slice Jurassic 7	TIMESLICE	P	H4	O	9
2365.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H4	O	9
2508.10	M4180 H	167.00	W.indotata 7BII	PALAEO	P	B2	O	5
2574.50	M4180 L	171.50	W.indotata 7BII	PALAEO	P	B4	O	3
2799.60	S4125 L	173.00	C.cooksoniae	PALAEO	P	B2	O	7

3203.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	9
3203.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	9
3207.70	S4130 L	176.00	upper D.complex	PALAEO P	B1	E	*
3207.70	S4135 H	173.00	D.complex	PALAEO P	B3	O	7
3301.00	S4135 L	179.00	D.complex	PALAEO P	B3	O	7
3383.00	S4145 H	179.00	I.turbatus	PALAEO P	B2	O	7
3385.00	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	9
3385.00	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	9
3735.00	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	9
3735.00	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	9
3836.00	W2010 L		9-5/8" Casing shoe	WELL		O	8
3903.00	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	9
3903.00	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	9
3959.00	S4145 L	193.50	I.turbatus	PALAEO P	B2	O	7
3993.60	S4150 H	193.50	C.torosa	PALAEO P	B2	O	7
4219.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	9
4219.00	QT401 H	200.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	9
4388.00	L3000 H		Red Beds	LOG PICK		O	8
4415.00	S4150 L	210.00	C.torosa	PALAEO A	B2	O	3
4420.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	9
4420.00	S4150 L	210.00	C.torosa	PALAEO P	B3	O	7

Basic data available consists of palynological range charts for 47 SWCs between 2100.2-4420m examined by D.Hos. Cuttings samples from 1720-2050 m reported on in EAL palaeo rept 19/90/18. Data last reviewed by A.D.Partridge, 1990.

Micropalaeontological analysis based on 29 cuttings by Paltech (1982) and 13 cuttings by Apthorpe (1988).

Micropalaeontology not supported by detailed assemblage lists and therefore difficult to interpret.

In general good agreement on palynological zone picks between palynological reports except from base of C.cooksoniae Zone to top of I.turbatus Zone interval.

C.cooksoniae is recorded as deep as SWC at 3301m by both Islam (1990) and Purcell but in SWC at 3769m by Ingram & Hos (1982).

- 1 Paltech Pty Ltd. 1982. The foraminiferal sequence in North Turtle-1. Paltech Rept. 1982/32. 5p. (Nov.).
- 2 Apthorpe, M., 1988. Micropalaeontological report on the North Turtle-1 well offshore Canning Basin, WA. 4p. (Dec.).
- 3 Ingram, B.S. & Hos, D.C.P., 1982. Palynology report WP40/82, BP's North Turtle-1 well. 14p. (Dec.).
- 4 Purcell, R., Checklist range chart for interval 2442.6 to 2488.0m. (Not dated)
- 5 Partridge, A.D., 1990. Reconnaissance palynological analysis of the interval 1720m to 2348.5m in North Turtle-1, Carnarvon Basin. Esso Aust. Ltd Palaeo. Rept. 1990/18. 6p. (Aug.).
- 6 Islam, A., 1990. Palynological review of sections of Depuch-1, North Turtle-1 & Picard-1, WA. Aust. Palynostrat. Serv. Rept. 5, 7p. (R-877).
- 7 Morgan, R., 1990. Palynology restudy of Picard-1 & North Turtle-1, Beagle sub-basin of Carnarvon Basin. WA. Rept. for Minora Res. 8p. (Sept.).
- 8 Partridge, A.D., 1990. Formation tops interpreted from Well Completion report and logs as Stratdat file.
- 9 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Pearl 1 (Home Energy)
 -17.851139 122.0278 Canning Basin Fitzroy Trough
 PEDIN/File numbers: W6830068 83/584

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
				** = non-active record				
50.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	3	
86.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	3	
309.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H5	O	3	
309.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H5	O	3	
342.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H5	O	3	
342.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE P	H5	O	3	
501.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE P	H3	O	3	
501.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE P	H3	O	3	
584.00	QT409 L	150.00	Time Slice Jurassic 9	TIMESLICE P	H3	O	3	
584.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H3	O	3	
705.00	S4125 M	170.00	C.cooksoniae	PALAEO P	B3	O	1	
712.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H3	O	3	
712.00	QT603 H	268.00	Time Slice Permian 3	TIMESLICE P	H3	O	3	
770.00	S6245 H	268.00	Stage 3b	PALAEO P	D3	O	2	
850.00	S6245 L	274.00	Stage 3b	PALAEO P	D3	O	2	
902.00	QT603 L	274.00	Time Slice Permian 3	TIMESLICE P	H3	O	3	
902.00	QT602 H	274.00	Time Slice Permian 2	TIMESLICE P	H3	O	3	
940.00	S6250 H	274.00	Stage 3a	MIN AGE P	D5	O	2	*
940.00	S7100 H	277.00	M.tentula	PALAEO P	B3	E		*
940.00	S7100 H	277.00	M.tentula	PALAEO P	D3	O	1	
952.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE P	H3	O	3	
952.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE P	H3	O	3	
1100.00	S7255 L	286.00	Stage 2	MAX AGE P	B5	O	2	
1100.00	S7100 L	286.00	M.tentula	PALAEO P	B3	E		*
1100.00	S7100 L	286.00	M.tentula	PALAEO P	B3	O	1	
1153.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE P	H3	O	3	
1153.00	QT705 H	308.50	Time Slice Carboniferous 5	TIMESLICE P	H2	O	3	
1173.00	S7115 H	308.50	S.ybertii	PALAEO P	B4	O	2	
1205.00	S7115 H	308.50	S.ybertii	PALAEO A	B2	O	2	
1625.00	S7115 L	322.00	S.ybertii	PALAEO A	B2	O	2	
1680.00	S7115 L	322.00	S.ybertii	PALAEO P	D5	O	2	
1827.00	S7125 H	340.00	A.largus	PALAEO P	D5	O	2	
1853.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE P	H3	O	3	
1853.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE P	H3	O	3	
1905.00	S7125 H	340.00	A.largus	PALAEO A	B2	O	2	
1982.00	S7125 L	352.00	A.largus	PALAEO P	B2	O	2	
2032.00	L2000 H		Volcanics	FORMATION P	H1	O	3	
2032.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE P	H3	O	3	
2052.00	L2000 L		Volcanics	FORMATION P	H1	O	3	
2052.00	QT702 H	350.00	Time Slice Carboniferous 2	TIMESLICE P	H3	O	3	
2135.00	S7135 L	360.00	Grandispora spiculifera	MAX AGE P	D5	O	2	
2140.00	L2000 H		Volcanics	FORMATION P	H1	O	3	
2140.00	QT702 L	352.00	Time Slice Carboniferous 2	TIMESLICE P	H3	O	3	
2140.00	S7135 L	360.00	Grandispora spiculifera	PALAEO P	B4	E		*
2203.00	L2000 L		Volcanics	FORMATION P	H1	O	3	

Palynology results based on 18 SWCs and 20 cuttings samples between 550-2135m.

Palynomorph range chart only gives data from SWC samples.

Volcanics ages inferred from radiometrics in Perindi 1

- 1 Purcell, R.R. & Milne, L., 1983. Palynostratigraphy and source rock assessment of Pearl-1. 11p. (Nov.).
- 2 Partridge, A.D., 1994. Reinterpretation of data in Purcell & Milne (1983).
- 3 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Perindi 1
 -16.828386 122.263148 Canning Basin Lennard Shelf
 PEDIN/File numbers: W6830012 83/586

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
** = non-active record								
44.00	QT302	H	125.00	Time Slice	Cretaceous 2	TIMESLICE P	H5	O 2
309.00	QT302	L	137.00	Time Slice	Cretaceous 2	TIMESLICE P	H5	O 2
309.00	QT301	H	137.00	Time Slice	Cretaceous 1	TIMESLICE P	H5	O 2
425.00	M3320	M	142.50	K.wisemanianae	4biii	SNGL DEPTH	B2	O 1
437.00	QT301	L	144.00	Time Slice	Cretaceous 1	TIMESLICE P	H4	O 2
437.00	QT410	H	144.00	Time Slice	Jurassic 10	TIMESLICE P	H3	O 2
500.00	M4100	M	145.75	D.jurassicum	5A/B	SNGL DEPTH	B2	O 1
522.00	QT410	L	147.50	Time Slice	Jurassic 10	TIMESLICE P	H3	O 2
522.00	QT409	H	147.50	Time Slice	Jurassic 9	TIMESLICE P	H5	O 2
538.00	QT409	L	150.00	Time Slice	Jurassic 9	TIMESLICE P	H5	O 2
538.00	QT406	H	167.00	Time Slice	Jurassic 6	TIMESLICE P	H5	O 2
751.00	QT406	L	177.00	Time Slice	Jurassic 6	TIMESLICE P	H5	O 2
751.00	QT405	H	177.00	Time Slice	Jurassic 5	TIMESLICE P	H5	O 2
824.00	S4125	H	167.00	C.cooksoniae		MIN AGE	P	B5 O 1
827.30	S4150	L	210.00	C.torosa		MAX AGE	P	B5 O 1
828.00	QT405	L	180.00	Time Slice	Jurassic 5	TIMESLICE P	H5	O 2
828.00	QT603	H	268.00	Time Slice	Permian 3	TIMESLICE P	H4	O 2
830.00	S7100	H	277.00	M.tentula		PALAEO	P	B4 E *
830.30	S6245	H	268.00	Stage 3b		MIN AGE	P	B4 O 1
877.00	QT602	H	274.00	Time Slice	Permian 2	TIMESLICE P	H3	O 2
877.00	QT603	L	274.00	Time Slice	Permian 3	TIMESLICE P	H4	O 2
877.00	S7100	H	277.00	M.tentula		PALAEO	A	B2 E *
877.30	S6250	H	274.00	Stage 3a		PALAEO	P	A1 O 1
1022.00	QT602	L	277.00	Time Slice	Permian 2	TIMESLICE P	H3	O 2
1022.00	QT601	H	277.00	Time Slice	Permian 1	TIMESLICE P	H3	O 2
1371.20	S6250	L	277.00	Stage 3a		PALAEO	A	B2 O 1
1379.00	L2000	H		Volcanics		FORMATION	P	H1 O 2
1535.00	L2000	L		Volcanics		FORMATION	P	H1 O 2
1594.00	S7100	L	286.00	M.tentula		PALAEO	P	B3 E *
1594.00	S6250	L	277.00	Stage 3a		PALAEO	P	B3 O 1
1670.00	QT601	L	286.00	Time Slice	Permian 1	TIMESLICE P	H3	O 2
1670.00	QT706	H	286.00	Time Slice	Carboniferous 6	TIMESLICE P	H3	O 2
1735.00	S7260	H	286.00	Stage 1		MIN AGE	P	D5 O 1
1735.00	S7105	H	286.00	P.novicus		PALAEO	P	D4 E *
1770.00	S7115	L	322.00	S.ybertii		MAX AGE	P	D5 O 1
1770.00	S7115	L	322.00	S.ybertii		PALAEO	P	D3 E *
1772.00	QT706	L	308.50	Time Slice	Carboniferous 6	TIMESLICE P	H3	O 2
1772.00	QT702	H	350.00	Time Slice	Carboniferous 2	TIMESLICE P	H3	O 2
1772.00	S7125	H	340.00	A.largus		MIN AGE	P	B3 O 1
1772.00	S7135	H	352.00	Grandispora	spiculifera	PALAEO	P	B3 E *
1775.00	S7135	L	360.00	Grandispora	spiculifera	MAX AGE	P	B3 O 1
1778.00	QT702	L	352.00	Time Slice	Carboniferous 2	TIMESLICE P	H3	O 2
1778.00	QT805	H	378.50	Time Slice	Devonian 5	TIMESLICE P	H3	O 2
1780.00	S7135	L	360.00	Grandispora	spiculifera	PALAEO	A	D3 E *
1795.00	S7135	L	360.00	Grandispora	spiculifera	PALAEO	P	D4 E *
1867.00	QT805	L	387.00	Time Slice	Devonian 5	TIMESLICE P	H3	O 2

Palynology results based on 59 SWCs, 3 core and 11 cuttings samples between 425-1854.2m.

Zone picks by Powis (1983) accepted with some modifications to confidence ratings.

Palynomorphs recovered below 1778m are mixed Permian and Early Carboniferous assemblages which are interpreted to be drilling mud contaminants.

No Devonian palynomorphs recorded from Pillara Formation identified below 1778m.

Intrusive volcanics- fission track ages 255 +or - 13Ma used to estimate Tr2 age of intrusives

- 1 Powis, G.D., 1983. Palynological analysis of Perindi-1, Canning Basin, WA. Esso Aust. Ltd Palaeo. Rept. 1983/32. 31p. (Aug.).
- 2 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Phoenix 1
 -18.635292 118.7854 Bedout Sub-basin Canning Basin
 PEDIN/File numbers: W6800002 80/491

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
				** = non-active record				
169.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	0	9
717.50	P1136 H	13.10	N10	MIN AGE	P	B5	0	8
791.50	P1155 L	21.78	N5	MAX AGE	P	B5	0	8
822.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H2	0	9
823.50	P2114 H	38.64	P16	MIN AGE	P	B5	0	8
901.00	P2116 L	42.00	P15	MAX AGE	P	B4	0	8
915.00	P2125 H	42.00	P14	MIN AGE	P	D4	0	8
925.00	P2125 H	42.00	P14	PALAEO	A	D3	0	8
935.00	P2118 L	45.50	P12	MAX AGE	P	D3	0	8
960.00	P2145 H	50.50	P9	MIN AGE	P	D5	0	8
970.00	P2119 H	51.50	P8	MIN AGE	P	D4	0	8
970.00	P2225 H	51.50	T9	PALAEO	P	D3	0	8
978.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3	0	9
978.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3	0	9
1000.00	P2121 H	52.40	P7	MIN AGE	P	D4	0	8
1005.00	P2230 H	53.13	T8	PALAEO	P	D3	0	3
1015.00	P2155 H	53.13	P6	PALAEO	P	D3	0	1
1025.00	P2235 L	55.50	T7	PALAEO	P	D4	0	8
1050.00	P2155 L	55.40	P6	PALAEO	P	D5	0	1
1055.00	P2240 H	55.50	T6	PALAEO	P	D3	0	3
1060.00	P2245 H	55.90	T5	PALAEO	P	D3	0	3
1075.00	P2245 L	57.10	T5	PALAEO	P	D4	0	8
1085.00	P2255 H	57.10	T4	PALAEO	P	D3	0	8
1095.00	P2255 L	58.30	T4	PALAEO	P	D4	0	8
1113.00	P2260 H	58.30	T3	PALAEO	P	B3	0	8
1145.00	P2260 L	58.87	T3	PALAEO	P	D5	0	8
1150.00	P2265 H	58.87	T2	PALAEO	P	D3	0	8
1154.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3	0	9
1154.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	0	9
1155.00	P2270 H	60.80	T1	PALAEO	P	D3	0	3
1160.00	P3100 H	65.00	C13	PALAEO	P	D2	0	8
1169.00	P3100 L	66.00	C13	PALAEO	P	B2	0	8
1180.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	0	9
1180.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	0	9
1180.00	P3110 H	70.00	C11	PALAEO	P	D3	0	8
1237.50	P3110 L	73.00	C11	PALAEO	P	B2	0	8
1323.00	P3115 H	73.00	C10	PALAEO	P	B2	0	8
1370.00	P3115 L	79.50	C10	PALAEO	P	D5	0	8
1390.00	P3120 H	79.50	C9	PALAEO	P	D3	0	8
1407.50	P3120 H	79.50	C9	PALAEO	A	B4	0	8
1430.00	M3165 L	86.00	I.cretaceum odi	MAX AGE	P	B3	0	4
1432.50	P3120 L	83.00	C9	PALAEO	P	B2	0	8
1435.00	P3125 H	83.00	C8	PALAEO	P	D3	0	8
1440.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	0	9
1440.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	0	9
1450.00	P3125 L	85.00	C8	PALAEO	P	D3	0	8
1460.00	M3195 H	89.00	P.infusorioides lai	MIN AGE	P	B5	0	4
1485.00	P3135 H	87.50	C6	PALAEO	P	D3	0	8
1490.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	0	9
1490.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	0	9
1490.00	P3140 H	88.50	C5	PALAEO	P	D4	0	8
1505.00	P3150 H	91.00	C3	PALAEO	P	D5	0	8
1510.00	P3150 H	91.00	C3	PALAEO	A	D3	0	8
1520.00	M3200 L	97.50	D.multispinum laii	MAX AGE	P	B5	0	4
1523.50	P3150 L	96.50	C3	MAX AGE	P	B5	0	8
1526.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	0	9
1526.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H2	0	9
1547.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H2	0	9
1547.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	0	9
1577.00	M3252 H	119.50	M.australis 2dii/iii	PALAEO	P	B3	0	7
1588.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	0	9
1588.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	0	9
1595.00	M3260 H	126.00	M.testudinaria 2div	PALAEO	P	B3	0	7
1633.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	0	9
1633.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	0	9
1682.00	M3310 H	139.50	D.lobispinosum 4bi	PALAEO	P	B3	0	7
1734.00	M3310 L	140.50	D.lobispinosum 4bi	PALAEO	P	B3	0	7
1862.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H4	0	9
1862.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE	P	H3	0	9
1875.00	M4100 H	144.50	D.jurassicum 5A/B	PALAEO	P	B3	0	7
1882.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE	P	H4	0	9
1882.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE	P	H4	0	9
1901.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H2	0	9

1901.00	QT409	L	150.00	Time Slice Jurassic 9	TIMESLICE	P	H4	O	9
1953.50	S4125	H	167.00	C.cooksoniae	PALAEO	P	B5	O	7
2073.00	S4125	L	173.00	C.cooksoniae	PALAEO	P	B3	O	7
2079.00	QT406	L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H4	O	9
2079.00	QT405	H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	9
2237.00	QT405	L	180.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	9
2237.00	QT404	H	180.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	9
2296.00	S4145	H	179.00	I.turbatus	PALAEO	P	B4	O	7
2452.00	S4145	L	193.50	I.turbatus	PALAEO	P	B4	O	7
2454.00	QT404	L	189.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	9
2454.00	QT403	H	189.00	Time Slice Jurassic 3	TIMESLICE	P	H4	O	9
2523.00	QT403	L	190.50	Time Slice Jurassic 3	TIMESLICE	P	H4	O	9
2523.00	QT402	H	190.50	Time Slice Jurassic 2	TIMESLICE	P	H4	O	9
2536.00	S4150	H	193.50	C.torosa	PALAEO	P	B2	O	7
2711.00	QT402	L	200.00	Time Slice Jurassic 2	TIMESLICE	P	H4	O	9
2711.00	QT401	H	200.00	Time Slice Jurassic 1	TIMESLICE	P	H4	O	9
2831.50	S4150	L	210.00	C.torosa	PALAEO	P	B2	O	7
2913.50	QT401	L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H4	O	9
2913.50	QT505	H	222.00	Time Slice Triassic 5	TIMESLICE	P	H4	O	9
3298.00	QT505	L	231.00	Time Slice Triassic 5	TIMESLICE	P	H4	O	9
3298.00	QT504	H	231.00	Time Slice Triassic 4	TIMESLICE	P	H4	O	9
3336.50	S5130	H	225.00	S.speciosus (NWS)	PALAEO	P	B3	O	7
3550.00	S5130	L	235.00	S.speciosus (NWS)	PALAEO	P	D5	O	7
3643.00	QT504	L	235.00	Time Slice Triassic 4	TIMESLICE	P	H3	O	9
3643.00	QT503	H	235.00	Time Slice Triassic 3	TIMESLICE	P	H3	O	9
3670.00	S5140	H	235.00	S.quadrifidus (NWS)	PALAEO	P	D4	O	7
3839.00	QT503	L	239.00	Time Slice Triassic 3	TIMESLICE	P	H3	O	9
3839.00	QT502	H	239.00	Time Slice Triassic 2	TIMESLICE	P	H3	O	9
3900.00	S5140	L	240.50	S.quadrifidus (NWS)	PALAEO	P	D5	O	7
4000.00	S5145	H	240.50	T.playfordii	PALAEO	P	D4	O	7
4880.00	QT502	L	245.00	Time Slice Triassic 2	TIMESLICE	P	H3	O	9
4880.00	S5145	L	244.50	T.playfordii	PALAEO	P	D5	O	7

Foraminiferal analysis by Paltech based on 15 SWCs and 52 cuttings samples.
Foraminiferal analysis by Apthorpe based on 15 cuttings samples between 740-1160m.

Tropical N & P foraminiferal zonation used for Miocene to Mid Eocene, but results poor as key planktonics not always present.

Woodside foraminiferal zonation T & C zones used for Early Eocene to Cretaceous. Results fair to good.

Palynological analysis by Ingram (1980) based on 37 SWCs, 5 core & 28 cuttings samples but species list provided for only 11 amalgamated assemblages.

Palynology by Harris (1980) based on 6 cuttings samples for which no depths were given by operator.

Harris (1980) samples all interpreted as Tertiary with Cretaceous reworking. Samples A-C suspected derived from ?Oligocene lignitic sequence between 802-822m.

No significant changes made to data sheet datums of Ingram (1990) as there are no supporting species lists to challenge picks.

- 1 Paltech Pty Ltd, 1980. Phoenix-1 foraminiferal sequence - Albion to Pliocene for BP Pet. Dev. Aust. Ltd. Rept. 1980/8. 33p. (Revised 19 Aug.).
- 2 Paltech Pty Ltd, 1980. Foraminiferal biostratigraphy-Phoenix-1, Paltech Rept. 1980/13 (only partial copy reviewed).
- 3 Apthorpe, M., 1988. Micropalaeontological report on Tertiary section of Phoenix-1 well, WA. 5p. (Dec.).
- 4 Ingram, B.S., 1980. Palynological report on BP's Phoenix-1 well. 12p. (July).
- 5 Harris, W.K., 1980. Palynology of six samples Phoenix-1 well, North West shelf, WA. 4p. (July).
- 6 Macphail, M.K., 1989. Phoenix-1, Bedout sub-basin, offshore Canning Basin, Micropal. & Palynology review. 10p. (Sept.).
- 7 Ingram, B.S., 1990. Palynology Data Sheet. 2p. (June). No species lists available.
- 8 Partridge, A.D., 1994. Interpretation of references 1 to 6.
- 9 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Phoenix 2

-18.602194 118.842526 Bedout Sub-basin

Canning Basin

PEDIN/File numbers: W6820100 82/819

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
** = non-active record								
154.30	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	2	
805.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE P	H4	O	2	
950.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE P	H4	O	2	
950.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE P	H4	O	2	
1127.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE P	H4	O	2	
1127.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	2	
1160.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	2	
1160.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE P	H4	O	2	
1400.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE P	H4	O	2	
1400.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE P	H4	O	2	
1465.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE P	H4	O	2	
1465.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE P	H4	O	2	
1504.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE P	H4	O	2	
1504.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE P	H4	O	2	
1543.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE P	H4	O	2	
1543.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	2	
1548.00	M3260 L	130.00	M.testudinaria 2div	MAX AGE P	B3	O	1	
1588.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	2	
1588.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	2	
1667.00	M3310 H	139.50	D.lobispinosum 4bi	PALAEO P	B5	O	1	
1682.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H3	O	2	
1682.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H3	O	2	
1824.00	M3310 L	140.50	D.lobispinosum 4bi	PALAEO P	B5	O	1	
1844.00	S3165 L	144.00	C.australiensis	MAX AGE P	B3	O	1	
1852.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H3	O	2	
1852.00	QT409 H	147.50	Time Slice Jurassic 9	TIMESLICE P	H3	O	2	
1859.00	M4120 H	147.00	O.montgomeryi 5CI-III	PALAEO P	B3	O	1	
1866.50	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO P	B3	O	1	
1867.00	QT409 L	150.00	Time Slice Jurassic 9	TIMESLICE P	H3	O	2	
1867.00	QT406 H	167.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	2	
1965.50	S4125 H	167.00	C.cooksoniae	PALAEO P	B3	O	1	
2011.00	S4125 L	173.00	C.cooksoniae	PALAEO P	B4	E		
2024.00	S4135 M	176.00	D.complex	MIN AGE		E		*
2053.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE P	H4	O	2	
2053.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	2	
2145.00	S4125 L	173.00	C.cooksoniae	MAX AGE P	B4	O	1	
2205.50	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE P	H4	O	2	
2205.50	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	2	
2393.50	S4145 L	193.50	I.turbatus	PALAEO P	B3	E		*
2423.50	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	2	
2423.50	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	2	
2426.00	S4135 L	179.00	D.complex	MAX AGE P	B3	O	1	
2426.00	S4150 H	193.50	C.torosa	PALAEO P	B3	E		*
2493.00	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	2	
2493.00	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	2	
2563.50	S4150 M	201.75	C.torosa	PALAEO P	B4	O	1	
2662.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	2	
2662.00	QT401 H	200.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	2	
2886.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE P	H4	O	2	
2886.00	QT505 H	222.00	Time Slice Triassic 5	TIMESLICE P	H4	O	2	
2897.00	S5110 H	210.00	A.reducta	MIN AGE P	B5	O	1	
3245.00	QT505 L	231.00	Time Slice Triassic 5	TIMESLICE P	H4	O	2	
3245.00	QT504 H	231.00	Time Slice Triassic 4	TIMESLICE P	H4	O	2	
3329.00	S5120 H	219.00	M.crenulatus	MIN AGE P	B5	O	1	
3575.00	QT504 L	235.00	Time Slice Triassic 4	TIMESLICE P	H4	O	2	
3575.00	QT503 H	235.00	Time Slice Triassic 3	TIMESLICE P	H4	O	2	
3677.00	S5140 H	235.00	S.quadrifidus (NWS)	PALAEO P	B1	O	1	
3704.90	S5140 L	240.50	S.quadrifidus (NWS)	PALAEO P	B1	O	1	
3741.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE P	H4	O	2	
3741.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE P	H4	O	2	
3759.50	S5145 H	240.50	T.playfordii	PALAEO P	B2	O	1	
4940.20	S5145 L	244.50	T.playfordii	PALAEO P	B4	O	1	
4970.00	QT502 L	245.00	Time Slice Triassic 2	TIMESLICE P	H4	O	2	

Original palynology by B.S.Ingram & L.A.Milne, Aug 1982. Reviewed by

A.D.Partridge, May 1991.

Palynological analysis based on 56 SWCs, 2 core, 2 cuttings and 1 junk sample between 1548-4967m.

Palynological species lists provided, but many zone index species not recorded in this early vintage report.

Early-Mid Triassic T.playfordii Zone relatively thick (>1200m) but evidence for older ages at TD not convincing.

Palynological evidence for Late Triassic section between 2800-3677m very poor but supported by base of red beds in SWC at 2793m.
Cretaceous zonation hampered by low recorded microplankton diversity of <7 species/sample between 1548-1844m.
Recorded spore-diversity over same Cretaceous interval >15 species/sample suggesting sequence is not particularly rich in microplankton.

- 1 Ingram, B.S. & Milne, L.A., 1982. Palynology Report WP28/82, BP's Phoenix-2 well. 25p. (Aug.).
- 2 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Picard 1
 -18.966581 117.62233 Beagle Sub-basin
 PEDIN/File numbers: W6720015 72/2710

Carnarvon Basin

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
				** = non-active record				
150.30	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	8
175.26	W2025 L		30" Casing shoe	WELL			E	
430.07	W2000 L		20" Casing shoe	WELL			E	
440.13	P1107 H	2.92	N20	MIN AGE	P	B4	O	1
518.77	P1109 L	5.10	N18	MAX AGE	P	B4	O	1
543.76	P1115 H	5.10	N17	PALAEO	P	B3	O	1
623.01	P1115 L	7.14	N17	PALAEO	P	B5	O	1
989.00	P1130 L	12.80	N12/13	PALAEO	P	D3	E	*
1002.79	P1126 H	11.70	N14	MIN AGE	P	B5	O	1
1233.00	P1145 L	17.58	N7	PALAEO	P	D3	E	*
1246.63	B1150 H	18.00	L.(E)badjiaensis	PALAEO	P	D2	O	1
1247.00	P1150 H	17.58	N6	PALAEO	P	D3	E	*
1277.11	B1150 L	22.00	L.(E)badjiaensis	PALAEO	P	D3	O	1
1280.00	P1160 L	26.30	N4	PALAEO	P	D3	E	*
1338.10	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	8
1339.60	P2200 H	38.34	T14	PALAEO	P	B3	O	1
1340.00	P2120 H	37.10	P15/16	PALAEO	P	B3	E	*
1365.50	P2200 L	42.00	T14	PALAEO	P	D3	O	1
1369.00	P2120 L	40.70	P15/16	PALAEO	P	D3	E	*
1378.92	P2205 H	42.00	T13	PALAEO	P	B2	O	1
1379.00	P2125 H	42.00	P14	PALAEO	P	B4	E	*
1611.00	P2135 L	47.60	P11	PALAEO	P	B4	E	*
1620.62	P2145 H	50.50	P9	PALAEO	P	B4	O	1
1621.00	P2145 H	50.50	P9	PALAEO	P	B3	E	*
1622.10	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	8
1622.10	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	8
1638.60	P2145 L	51.50	P9	PALAEO	P	B4	O	1
1672.44	W2005 L		13-3/8" Casing shoe	WELL			E	
1749.55	P2230 H	53.13	T8	PALAEO	P	D3	O	1
1753.00	P2155 L	55.40	P6	PALAEO	P	D4	E	*
1764.79	P2240 H	55.50	T6	PALAEO	P	D2	O	1
1765.00	P2160 H	55.40	P5	PALAEO	P	D3	E	*
1768.00	P2160 L	55.90	P5	PALAEO	P	D3	E	*
1787.65	P2245 H	55.90	T5	PALAEO	P	B2	O	1
1788.00	P2165 H	55.90	P4	PALAEO	P	B3	E	*
1819.96	P2245 L	57.10	T5	PALAEO	P	B2	O	1
1820.00	P2165 L	58.30	P4	PALAEO	P	B3	E	*
1868.00	P2170 H	58.30	P3	PALAEO	P	B3	E	*
1868.42	P2255 H	57.10	T4	PALAEO	P	B2	O	1
1886.71	P2260 L	58.87	T3	PALAEO	P	D3	O	1
1890.00	P2170 L	60.20	P3	PALAEO	P	D3	E	*
1890.40	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	8
1890.40	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	8
1901.95	P3110 H	70.00	C11	PALAEO	P	D2	O	1
1902.00	P3110 H	70.00	C11	PALAEO	P	D4	E	*
1978.15	P3110 L	73.00	C11	PALAEO	P	D3	O	1
1981.00	P3110 L	73.00	C11	PALAEO	P	D3	E	*
1987.00	P3115 H	73.00	C10	PALAEO	P	B3	E	*
1987.30	P3115 H	73.00	C10	PALAEO	P	B2	O	1
2008.63	P3120 L	83.00	C9	PALAEO	P	D3	O	1
2012.00	P3120 L	83.00	C9	PALAEO	P	D3	E	*
2017.78	P3125 H	83.00	C8	PALAEO	P	D3	O	1
2018.00	P3125 H	83.00	C8	PALAEO	P	D3	E	*
2019.30	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	8
2019.30	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	8
2026.92	P3125 L	85.00	C8	PALAEO	P	D3	O	1
2029.97	P3130 H	85.00	C7	PALAEO	P	D3	O	1
2030.00	P3130 H	85.00	C7	PALAEO	P	D3	E	*
2033.02	P3135 H	87.50	C6	PALAEO	P	D3	O	1
2036.00	P3135 L	88.50	C6	PALAEO	P	D3	E	*
2036.06	P3140 H	88.50	C5	PALAEO	P	D3	O	1
2038.00	P3140 H	88.50	C5	PALAEO	P	D3	E	*
2045.00	P3145 L	91.00	C4	PALAEO	P	B3	E	*
2045.21	P3140 L	90.00	C5	PALAEO	P	D5	O	1
2049.78	P3145 M	90.50	C4	SNGL DEPTH		D3	O	1
2049.80	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	8
2049.80	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H3	O	8
2051.00	P3150 H	91.00	C3	PALAEO	P	D3	E	*
2051.30	P3150 H	91.00	C3	PALAEO	P	D3	O	1
2062.89	P3160 H	99.00	C1	PALAEO	P	B5	O	1
2063.00	P3160 H	99.00	C1	PALAEO	P	B1	E	*
2063.00	P3160 L	108.70	C1	PALAEO	P	B3	E	*
2074.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H5	O	8

2074.00	QT308	L	99.00	Time Slice Cretaceous 8	TIMESLICE	P	H5	O	8
2075.70	QT307	L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H5	O	8
2075.70	QT303	H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	O	8
2086.00	M3240	H	115.00	O.operculata 2c	PALAEO	P	B2	E	*
2086.05	M3252	H	119.50	M.australis 2dii/iii	PALAEO	P	B3	O	6
2124.46	M3252	L	126.00	M.australis 2dii/iii	PALAEO	P	B5	O	6
2130.55	M3260	H	126.00	M.testudinaria 2div	PALAEO	P	D3	O	6
2133.60	QT303	L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	8
2133.60	QT302	H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	8
2138.48	M3260	H	126.00	M.testudinaria 2div	PALAEO	A	B2	O	6
2161.00	M3255	L	126.00	lower M.australis 2diii	PALAEO	P	B4	E	*
2175.00	M3260	H	126.00	M.testudinaria 2div	PALAEO	P	B2	E	*
2220.47	M3260	L	130.00	M.testudinaria 2div	PALAEO	P	B2	O	6
2240.28	M3265	H	130.00	P.burgerii 3a	PALAEO	P	B4	O	6
2283.87	M3265	L	132.00	P.burgerii 3a	PALAEO	P	B2	O	6
2286.00	QT302	L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H3	O	8
2286.00	QT301	H	137.00	Time Slice Cretaceous 1	TIMESLICE	P	H3	O	8
2295.45	M3298	H	138.00	B.reticulatum 4aiii/iv	PALAEO	P	B2	O	3
2312.52	M3298	L	139.50	B.reticulatum 4aiii/iv	PALAEO	P	B3	O	3
2313.00	M3300	H	138.00	upper B.reticulatum 4aiii	PALAEO	P	B2	E	*
2316.50	QT301	L	144.00	Time Slice Cretaceous 1	TIMESLICE	P	H2	O	8
2316.50	QT406	H	167.00	Time Slice Jurassic 6	TIMESLICE	P	H2	O	8
2325.62	S4125	H	167.00	C.cooksoniae	PALAEO	P	A3	O	3
2327.15	W2010	L		9-5/8" Casing shoe	WELL			E	
2346.66	S4125	L	173.00	C.cooksoniae	PALAEO	P	B2	O	7
2379.27	S4135	H	173.00	D.complex	PALAEO	P	B5	O	6
2432.30	S4135	H	173.00	D.complex	PALAEO	A	B3	O	7
2733.14	M4195	H	177.00	D.caddaensis 7D	PALAEO	P	B3	O	7
2759.00	QT406	L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	O	8
2759.00	QT405	H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	8
2759.96	S4135	L	179.00	D.complex	PALAEO	P	B2	O	7
2759.96	M4195	L	180.00	D.caddaensis 7D	PALAEO	A	B2	O	7
2760.00	S4145	H	179.00	I.turbatus	PALAEO	P	B1	E	*
2788.92	S4145	H	179.00	I.turbatus	PALAEO	P	B4	O	3
2926.08	M4195	L	180.00	D.caddaensis 7D	PALAEO	P	B3	O	7
2966.30	QT405	L	180.00	Time Slice Jurassic 5	TIMESLICE	P	H4	O	8
2966.30	QT404	H	180.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	8
2971.50	S4145	H	179.00	I.turbatus	PALAEO	A	B2	O	7
3316.20	QT404	L	189.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	8
3316.20	QT403	H	189.00	Time Slice Jurassic 3	TIMESLICE	P	H4	O	8
3407.66	S4145	L	193.50	I.turbatus	PALAEO	A	B2	O	7
3447.59	S4145	L	193.50	I.turbatus	PALAEO	P	B4	O	3
3448.00	S4145	L	193.50	I.turbatus	PALAEO	A	B1	E	*
3449.00	QT403	L	190.50	Time Slice Jurassic 3	TIMESLICE	P	H4	O	8
3449.00	QT402	H	190.50	Time Slice Jurassic 2	TIMESLICE	P	H4	O	8
3569.21	S4150	H	193.50	C.torosa	PALAEO	P	B4	O	7
3575.00	S4145	L	193.50	I.turbatus	PALAEO	P	D2	E	*
3578.00	S4150	H	193.50	C.torosa	PALAEO	P	B3	E	*
3645.00	S4150	H	193.50	C.torosa	PALAEO	A	B1	E	*
3731.36	S4150	H	193.50	C.torosa	PALAEO	A	B2	O	7
3880.00	S4150	L	210.00	C.torosa	PALAEO	P	D2	E	*
3883.20	QT402	L	200.00	Time Slice Jurassic 2	TIMESLICE	P	H4	O	8
3883.20	QT401	H	200.00	Time Slice Jurassic 1	TIMESLICE	P	H4	O	8
4211.12	S4150	L	210.00	C.torosa	PALAEO	P	A2	O	7
4216.00	QT401	L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H4	O	8

Micropal by C.A.Wright 1972; 121 samples between 440-2421m. Palynology by T.R.Lister 1972; unfortunately only 11 abridged palynology assemblage lists given in the report 7 cts examined at 3575-3880m by A.D.Partridge in EAL rept 1988/13.

Foraminiferal analysis based on 90 SWCs and 31 cuttings samples between 440-2421m.

Palynology by Lister (1972) based on 98 SWCs, 12 core and 22 cuttings samples between 1692-4212m.

Palynomorph species lists recorded from Tertiary and Late Cretaceous down to 6770ft (2063m) are too poor to confidently assign samples to zones.

Detailed range chart by R.Purcell records diverse assemblages and best data for subdivision of Early-Mid Jurassic.

- 1 Wright, C.A., 1972. Micropalaeontological report on BOC et al. Picard-1 well, WA. 14p. (Oct.).
- 2 Lister, T.R., 1972. Palynology report on BOC et al. well Picard-1. 11p. (Nov.).
- 3 Helby, R. & Partridge, A.D., 1983. A palynological review of 7 petroleum wells in Dampier Sub-basin WA. EAL Palaeo. Rept. 1983/1, 46p. (March).
- 4 Partridge, A.D., 1988. Palynological age and kerogen analysis of seven cuttings samples from Picard-1, Carnarvon Basin. Esso Aust. Ltd Palaeo. Rept. 1988/13. 5p. (June).
- 5 Islam, A., 1990. Palynological review of sections of Depuch-1, North

- Turtle-1 & Picard-1, WA. Aust. Palynostrat. Serv. Rept. 5, 7p. (R-877).
- 6 Morgan, R., 1990. Palynology restudy of Picard-1 & North Turtle-1, Beagle sub-basin of Carnarvon Basin. WA. Rept. for Minora Res. 8p. (Sept.).
- 7 Purcell, R., Checklist range chart for interval 2347-4211m (not dated).
- 8 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Poissonnier 1
 -19.309333 118.155294 Beagle Sub-basin Carnarvon Basin
 PEDIN/File numbers: W6730025 73/1010

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	codes Conf	Sec	Ref
=====	=====	=====	=====	=====	=====	=====	=====	=====
				** = non-active record				
113.00	QT107	H	0.00 Time Slice Cainozoic 7	TIMESLICE	P	H2	O	4
674.50	P3110	H	70.00 C11	MIN AGE	P	B3	O	1
675.00	P3210	H	70.50 G.cuvillieri	PALAEO	P	B3	E	*
714.00	P3115	H	73.00 C10	MIN AGE	P	B3	O	1
723.00	QT310	H	70.00 Time Slice Cretaceous 10	TIMESLICE	P	H4	O	4
735.50	P3120	H	79.50 C9	PALAEO	P	B5	O	1
775.00	P3225	L	82.30 G.arca	PALAEO	P	B3	E	*
775.00	P3120	L	83.00 C9	PALAEO	P	B3	O	1
776.00	QT310	L	83.00 Time Slice Cretaceous 10	TIMESLICE	P	H3	O	4
776.00	QT309	H	83.00 Time Slice Cretaceous 9	TIMESLICE	P	H3	O	4
789.50	P3125	M	84.00 C8	PALAEO	P	B3	O	1
790.00	P3230	H	82.30 P.plummerae	PALAEO	P	B3	E	*
810.00	P3130	H	85.00 C7	PALAEO	P	B3	O	1
835.00	P3130	H	85.00 C7	PALAEO	A	B2	O	1
847.00	P3240	L	87.50 H.papula	PALAEO	P	B4	E	*
847.50	P3130	L	87.50 C7	PALAEO	P	B3	O	1
848.00	P3245	H	87.50 D.imbricata	PALAEO	P	B4	E	*
849.00	P3135	M	88.00 C6	PALAEO	P	B2	O	1
851.50	M3185	H	87.00 C.striatoconus oe	MIN AGE	P	B5	O	2
851.50	P3140	H	88.50 C5	PALAEO	P	B3	O	1
855.00	P3140	H	88.50 C5	PALAEO	A	B2	O	1
865.00	P3140	L	90.00 C5	PALAEO	P	B2	O	1
883.00	QT309	L	91.00 Time Slice Cretaceous 9	TIMESLICE	P	H3	O	4
883.00	QT303	H	119.00 Time Slice Cretaceous 3	TIMESLICE	P	H3	O	4
887.00	M3195	L	92.00 P.infusorioides lai	MAX AGE	P	B5	O	2
887.00	P3255	L	89.80 P.helvetica	PALAEO	P	B3	E	*
887.00	M3185	L	89.00 C.striatoconus oe	PALAEO	P	B3	E	*
887.00	P3145	M	90.50 C4	PALAEO	P	B1	O	1
903.00	M3225	H	109.00 M.tetracantha 2bi/ii	PALAEO	P	B4	E	*
903.00	M3252	M	122.75 M.australis 2dii/iii	PALAEO	P	B2	O	2
904.00	QT303	L	125.00 Time Slice Cretaceous 3	TIMESLICE	P	H3	O	4
904.00	QT302	H	125.00 Time Slice Cretaceous 2	TIMESLICE	P	H3	O	4
905.00	M3260	H	126.00 M.testudinaria 2div	MIN AGE	P	B5	O	2
905.00	M3245	H	118.50 A.cinctum 2di	PALAEO	P	B4	E	*
937.00	M3265	L	132.00 P.burgerii 3a	MAX AGE	P	B5	O	2
937.00	M3260	L	130.00 M.testudinaria 2div	PALAEO	P	B3	E	*
938.00	QT302	L	137.00 Time Slice Cretaceous 2	TIMESLICE	P	H3	O	4
938.00	QT301	H	137.00 Time Slice Cretaceous 1	TIMESLICE	P	H3	O	4
939.00	M3290	H	137.00 E.torynum 4ai/ii	MIN AGE	P	B5	O	2
939.00	M3290	H	137.00 E.torynum 4ai/ii	PALAEO	P	B4	E	*
986.00	M3310	L	140.50 D.lobispinosum 4bi	PALAEO	P	B4	E	*
988.00	M3310	L	140.50 D.lobispinosum 4bi	MAX AGE	P	B5	O	2
991.00	M3320	H	142.00 K.wisemaninae 4biii	PALAEO	P	B4	E	*
1011.00	QT301	L	144.00 Time Slice Cretaceous 1	TIMESLICE	P	H3	O	4
1011.00	QT410	H	144.00 Time Slice Jurassic 10	TIMESLICE	P	H3	O	4
1013.00	M3330	L	144.50 lower P.iehense 4cii	PALAEO	P	B4	E	*
1014.00	M4100	H	144.50 D.jurassicum 5A/B	PALAEO	P	B4	E	*
1030.00	M4100	L	147.00 D.jurassicum 5A/B	MAX AGE	P	B5	O	2
1030.00	M4100	L	147.00 D.jurassicum 5A/B	PALAEO	P	B4	E	*
1031.00	QT410	L	147.50 Time Slice Jurassic 10	TIMESLICE	P	H3	O	4
1031.00	QT404	H	180.00 Time Slice Jurassic 4	TIMESLICE	P	H5	O	4
1032.00	S4145	H	179.00 I.turbatus	MIN AGE	P	B5	O	2
1032.00	S4130	H	173.00 upper D.complex	PALAEO	P	B4	E	*
1106.00	S4150	L	210.00 C.torosa	MAX AGE	P	B5	O	2
1106.00	S4145	L	193.50 I.turbatus	PALAEO	P	B4	E	*
1124.00	QT404	L	189.00 Time Slice Jurassic 4	TIMESLICE	P	H5	O	4
1124.00	QT505	H	222.00 Time Slice Triassic 5	TIMESLICE	P	H4	O	4
1127.00	S5120	H	219.00 M.crenulatus	MIN AGE	P	B5	O	2
1127.00	S5110	H	210.00 A.reducta	PALAEO	P	B4	E	*
1171.00	QT504	H	231.00 Time Slice Triassic 4	TIMESLICE	P	H4	O	4
1171.00	QT505	L	231.00 Time Slice Triassic 5	TIMESLICE	P	H4	O	4
1423.00	QT504	L	235.00 Time Slice Triassic 4	TIMESLICE	P	H4	O	4
1423.00	QT503	H	235.00 Time Slice Triassic 3	TIMESLICE	P	H4	O	4
1616.00	QT503	L	239.00 Time Slice Triassic 3	TIMESLICE	P	H4	O	4
1616.00	QT502	H	239.00 Time Slice Triassic 2	TIMESLICE	P	H4	O	4
1807.00	S5145	L	244.50 T.playfordii	MAX AGE	P	B5	O	2
1807.00	S5145	L	244.50 T.playfordii	PALAEO	P	B4	E	*
1828.00	S5150	H	244.50 P.samoilovichii	MIN AGE	P	B5	O	2
1828.00	S5150	H	244.50 P.samoilovichii	PALAEO	P	B4	E	*
1840.00	QT502	L	245.00 Time Slice Triassic 2	TIMESLICE	P	H4	O	4
1840.00	QT501	H	245.00 Time Slice Triassic 1	TIMESLICE	P	H4	O	4
1856.00	QT501	L	248.00 Time Slice Triassic 1	TIMESLICE	P	H4	O	4
1856.00	QT607	H	246.00 Time Slice Permian 7	TIMESLICE	P	H4	O	4

1946.00	S5155	L	248.00	L.pellucidus	MAX AGE	P	B5	O	2
1946.00	S5155	L	248.00	L.pellucidus	PALAEO	P	B4	E	*
1962.00	QT607	L	248.50	Time Slice Permian 7	TIMESLICE	P	H4	O	4

Foraminiferal analysis based on 54 SWCs between 674.5-1688m.

Palynological analysis based on 79 SWCs between 851.5-1946.6m.

SWC at 884m, a grey-blk claystone, is barren of insitu foraminifera but extremely rich in tooth and bone fragments, suggesting condensed section or unconformity.

Palynology report by Lister (1974) provides only amalgamated species lists for 8 composite intervals.

Palynology urgently needs revision as current data only allows maximum or minimum zone picks with very low confidence.

- 1 Apthorpe, M., 1974. Micropalaeontological report on BOCAL et al. Poissonnier-1 well, WA. BOCAL Rept. 12p. (Feb.).
- 2 Lister, T.R., 1974. Palynology report on BOCAL et al. well Poissonnier-1, BOPAL/55. 12p. (Feb.).
- 3 Macleod, M., 1978. Source rock and palynofacies report on Poissonnier-1 for Western Energy P/L. 11p.
- 4 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Ronsard 1
 -19.141825 117.160738 Beagle Sub-basin Carnarvon Basin
 PEDIN/File numbers: W6730010 72/3330

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	==	==	==	==
				** = non-active record				
170.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H2	O	5
500.00	P1108 H	2.92	N19	PALAEO	P	B2	O	1
535.00	P1108 L	4.79	N19	PALAEO	P	B5	O	1
570.00	P1109 H	4.79	N18	PALAEO	P	B5	O	1
600.00	P1109 L	5.10	N18	PALAEO	P	B3	O	1
638.00	QT105 H	5.10	Time Slice Cainozoic 5	TIMESLICE	P	H4	O	5
700.00	P1120 L	10.05	N16	MAX AGE	P	B5	O	1
1265.00	P1134 H	12.80	N11	MIN AGE	P	B5	O	1
1265.00	P1130 H	12.10	N12/13	PALAEO	P	B4	E	*
1272.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H4	O	5
1272.00	QT104 H	11.90	Time Slice Cainozoic 4	TIMESLICE	P	H4	O	5
1317.00	P1155 L	21.78	N5	PALAEO	P	B4	E	*
1370.00	P1155 H	18.75	N5	MIN AGE	P	B3	O	1
1370.00	P1160 H	21.78	N4	PALAEO	P	B4	E	*
1427.00	B1150 M	20.00	L.(E)badjiaensis	PALAEO	P	B2	O	1
1625.00	P2100 H	26.30	P22	PALAEO	P	D3	O	1
1642.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H4	O	5
1642.00	QT203 H	29.20	Time Slice Cainozoic 3	TIMESLICE	P	H4	O	5
1645.00	P2100 L	27.80	P22	PALAEO	P	D4	E	*
1650.00	P2105 H	27.80	P21	PALAEO	P	D3	E	*
1675.00	P2111 H	32.80	P19	PALAEO	P	D3	O	1
1680.00	P2115 L		P17/19	PALAEO	P	D4	E	*
1680.00	P2112 L	37.50	P18	PALAEO	P	D3	O	1
1684.00	QT203 L	38.07	Time Slice Cainozoic 3	TIMESLICE	P	H2	O	5
1684.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE	P	H2	O	5
1685.00	P2200 H	38.34	T14	PALAEO	P	D2	O	1
1755.00	P2200 L	42.00	T14	PALAEO	P	D3	O	1
1770.00	P2205 H	42.00	T13	PALAEO	P	D3	O	1
1790.00	P2225 H	51.50	T9	PALAEO	P	B5	O	1
1808.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE	P	H3	O	5
1808.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	5
1815.00	P2230 H	53.13	T8	PALAEO	P	B3	O	1
1825.00	P2230 L	55.30	T8	PALAEO	P	D2	O	1
1830.00	P2240 H	55.50	T6	PALAEO	P	D3	O	1
1840.00	P2240 L	55.90	T6	PALAEO	P	D5	O	1
1845.00	P2250 H	55.90	T4/5	PALAEO	P	D3	E	*
1845.00	P2245 H	55.90	T5	PALAEO	P	D3	O	1
1850.00	P2250 L	58.30	T4/5	PALAEO	P	D3	E	*
1850.00	P2255 H	57.10	T4	PALAEO	P	B3	O	1
1875.00	P2260 H	58.30	T3	PALAEO	P	B4	O	1
1900.00	P2265 L	60.80	T2	PALAEO	P	B4	O	1
1920.00	P2270 H	60.80	T1	PALAEO	P	B2	O	1
1935.00	P2270 L	61.73	T1	PALAEO	A	B1	O	1
1950.00	P2270 L	61.73	T1	PALAEO	P	B4	O	1
1959.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE	P	H3	O	5
1959.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	O	5
1965.00	P3200 H	65.00	A.mayaroensis	PALAEO	P	B1	E	*
1965.00	P3100 H	65.00	C13	PALAEO	P	B1	O	1
2005.00	P3200 L	68.00	A.mayaroensis	PALAEO	P	B1	E	*
2005.00	P3100 L	66.00	C13	PALAEO	P	B5	O	1
2009.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE	P	H3	O	5
2009.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	5
2030.00	P3210 H	70.50	G.cuvillieri	PALAEO	P	B4	E	*
2076.50	P3120 H	79.50	C9	PALAEO	P	B3	O	1
2158.00	P3225 L	82.30	G.arca	PALAEO	P	B4	E	*
2158.00	P3120 L	83.00	C9	PALAEO	A	B3	O	1
2168.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE	P	H3	O	5
2168.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	5
2190.00	P3120 L	83.00	C9	PALAEO	P	D3	O	1
2195.00	P3230 H	82.30	P.plummerae	PALAEO	P	D3	E	*
2195.00	P3125 H	83.00	C8	PALAEO	P	D3	O	1
2200.00	P3125 L	85.00	C8	PALAEO	P	B2	O	1
2210.00	P3240 L	87.50	H.papula	PALAEO	P	B3	E	*
2210.00	P3130 M	86.25	C7	PALAEO	P	B2	O	1
2217.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE	P	H3	O	5
2217.00	QT306 H	104.00	Time Slice Cretaceous 6	TIMESLICE	P	H4	O	5
2220.00	P3250 H	89.50	P.stephani	PALAEO	P	B3	E	*
2220.00	P3135 M	88.00	C6	PALAEO	P	B2	O	1
2225.00	P3160 H	99.00	C1	PALAEO	P	D5	O	1
2230.00	P3160 H	99.00	C1	PALAEO	A	B3	O	1
2255.00	P3160 L	108.70	C1	PALAEO	P	B4	O	1
2256.00	QT306 L	110.00	Time Slice Cretaceous 6	TIMESLICE	P	H4	O	5
2256.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	5
2268.00	M3252 M	122.75	M.australis 2dii/iii	PALAEO	P	B4	O	3
2273.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H3	O	5
2273.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	O	5
2275.00	M3260 H	126.00	M.testudinaria 2div	PALAEO	P	B1	O	3
2286.00	M3260 L	130.00	M.testudinaria 2div	PALAEO	P	B1	O	3
2294.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	O	5

2294.00	QT404	H	180.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	5
2295.00	S4145	H	179.00	I.turbatus	PALAEO	P	B3	O	3
2635.00	QT404	L	189.00	Time Slice Jurassic 4	TIMESLICE	P	H4	O	5
2635.00	QT403	H	189.00	Time Slice Jurassic 3	TIMESLICE	P	H4	O	5
2654.00	QT403	L	190.50	Time Slice Jurassic 3	TIMESLICE	P	H4	O	5
2654.00	QT402	H	190.50	Time Slice Jurassic 2	TIMESLICE	P	H4	O	5
2741.00	S4145	L	193.50	I.turbatus	PALAEO	P	B3	O	3
2784.00	S4150	H	193.50	C.torosa	PALAEO	P	B3	O	3
2815.00	S4150	L	210.00	C.torosa	PALAEO	A	B2	O	3
2847.50	S4150	L	210.00	C.torosa	PALAEO	P	B4	O	3
2848.00	QT402	L	200.00	Time Slice Jurassic 2	TIMESLICE	P	H4	O	5

Foraminiferal analysis based on 62 SWCs and 39 cuttings samples between 500-2286m.

Palynological analysis based on 50 SWCs, 1 cuttings and 1 core sample between 1850-2847.5m.

Early Maastrichtian-Late Campanian interval between approx. 2005-2076m cannot be zoned on foraminiferal faunas.

Original palynology report by Ingram (1974) provides only 2 amalgamated species lists over composite sample intervals.

Reconnaissance review by Helby & Partridge (1983) records Tertiary assemblages which could not be zoned and moderate assemblages between 2268-2835m.

Fourteen SWCs between 1950-2255m gave either very meagre palynomorph yields or were essentially barren.

- 1 Apthorpe, M., 1974. Micropalaeontological report on BOC et al. Ronsard-1 well, WA. BOCAL Rept. 17p. (Jan.).
- 2 Ingram, B.S., 1974. Palynology report BOCAL et al. Ronsard-1 well. BOPAL/54 Rept. 4p.
- 3 Helby, R.J. & Partridge, A.D., 1983. A palynological review of seven petroleum wells in the Dampier Sub-basin WA. EAL. Palaeo. Rept. 1983/1 46p. (March).
- 4 Partridge, A.D., 1994. Formation and zone interpretations from Well Completion Report.
- 5 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Samphire Marsh 1
 -19.518778 121.18079 Canning Basin
 Samphire Embayment Willara Sub-basin
 PEDIN/File numbers: W6580001 62/1002

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
749.81	S7255	L	286.00 Stage 2	'*' = non-active record				
807.72	S7260	H	286.00 Stage 1	MAX AGE	P	A3	O	1
1039.37	S7260	H	286.00 Stage 1	MIN AGE	P	D5	O	1
1168.91	S7260	L	322.00 Stage 1	PALAEO	A	A5	O	1
				PALAEO	P	A5	O	1

Palynological analysis very limited based on only 3 core and 1 cuttings sample over interval 2460-3835ft (750-1169m).
 Species diversity in samples very low with only 2 to 6 species in samples below 808m and 11 species in sample at 750m.
 Palynological sampling and analysis is too limited to provide any reliable biostratigraphic correlation.
 Stage-2 sample at 750m contains Protohaploxypinus spp. without younger indicator species.
 Stage-1 assemblages contains monosaccate pollen with common Punctatisporites spp. without younger indicators.

- 1 McMinn, A., 1986. Permo-carboniferous palynology of the Grant Formation in Samphire Marsh-1, Canning Basin. 6p. (sample depths in feet not metres as given).

Trafalgar 1
 -19.166829 117.318954 Beagle Sub-basin Carnarvon Basin
 PEDIN/File numbers: W6880034 88/791

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes----	Sec	Ref
=====	=====	=====	=====	=====	==	==	==	==
				** = non-active record				
138.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE P	H2	O	4	
503.00	QT105 H	5.10	Time Slice Cainozoic 5	TIMESLICE P	H4	O	4	
999.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE P	H4	O	4	
999.00	QT104 H	11.90	Time Slice Cainozoic 4	TIMESLICE P	H4	O	4	
1340.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE P	H4	O	4	
1340.00	QT203 H	29.20	Time Slice Cainozoic 3	TIMESLICE P	H4	O	4	
1390.00	QT203 L	38.07	Time Slice Cainozoic 3	TIMESLICE P	H4	O	4	
1390.00	QT202 H	38.07	Time Slice Cainozoic 2	TIMESLICE P	H4	O	4	
1595.00	QT202 L	50.50	Time Slice Cainozoic 2	TIMESLICE P	H4	O	4	
1595.00	QT201 H	50.50	Time Slice Cainozoic 1	TIMESLICE P	H4	O	4	
1699.00	QT201 L	65.00	Time Slice Cainozoic 1	TIMESLICE P	H4	O	4	
1699.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	4	
1734.00	QT311 L	70.00	Time Slice Cretaceous 11	TIMESLICE P	H4	O	4	
1734.00	QT310 H	70.00	Time Slice Cretaceous 10	TIMESLICE P	H4	O	4	
2003.00	QT310 L	83.00	Time Slice Cretaceous 10	TIMESLICE P	H4	O	4	
2003.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE P	H4	O	4	
2116.00	QT309 L	91.00	Time Slice Cretaceous 9	TIMESLICE P	H4	O	4	
2116.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE P	H4	O	4	
2149.00	QT308 L	99.00	Time Slice Cretaceous 8	TIMESLICE P	H4	O	4	
2149.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE P	H4	O	4	
2181.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE P	H4	O	4	
2181.00	QT306 H	104.00	Time Slice Cretaceous 6	TIMESLICE P	H4	O	4	
2202.00	QT306 L	110.00	Time Slice Cretaceous 6	TIMESLICE P	H4	O	4	
2202.00	QT303 H	119.00	Time Slice Cretaceous 3	TIMESLICE P	H3	O	4	
2203.00	M3252 M	122.75	M.australis 2dii/iii	PALAEO P	B1	O	2	
2227.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE P	H4	O	4	
2227.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE P	H4	O	4	
2260.00	M3260 H	126.00	M.testudinaria 2div	PALAEO P	B1	O	2	
2285.00	M3260 L	130.00	M.testudinaria 2div	PALAEO P	B1	O	2	
2320.90	M3265 H	130.00	P.burgerii 3a	PALAEO P	B1	O	2	
2326.10	M3265 L	132.00	P.burgerii 3a	PALAEO P	B1	O	2	
2329.00	QT302 L	137.00	Time Slice Cretaceous 2	TIMESLICE P	H1	O	4	
2329.00	QT301 H	137.00	Time Slice Cretaceous 1	TIMESLICE P	H1	O	4	
2333.00	M3290 H	137.00	E.torynum 4ai/ii	PALAEO P	B1	O	2	
2339.00	M3290 L	138.00	E.torynum 4ai/ii	PALAEO P	B3	O	2	
2375.00	M3298 M	138.75	B.reticulatum 4aiii/iv	PALAEO P	B4	O	2	
2425.00	M3310 H	139.50	D.lobispinosum 4bi	PALAEO P	B4	O	2	
2469.00	M3310 L	140.50	D.lobispinosum 4bi	PALAEO P	B1	O	2	
2473.00	M3327 M	143.75	P.iehienense 4ci/ii	PALAEO P	B2	O	2	
2473.00	S3165 L	144.00	C.australiensis	PALAEO P	B4	O	2	
2476.00	QT301 L	144.00	Time Slice Cretaceous 1	TIMESLICE P	H1	O	4	
2476.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE P	H1	O	4	
2484.60	M4100 H	144.50	D.jurassicum 5A/B	PALAEO P	B3	O	2	
2489.70	M4100 L	147.00	D.jurassicum 5A/B	PALAEO P	B3	O	2	
2490.00	QT410 L	147.50	Time Slice Jurassic 10	TIMESLICE P	H1	O	4	
2490.00	QT407 H	162.00	Time Slice Jurassic 7	TIMESLICE P	H4	O	4	
2490.50	M4175 M	166.50	lower W.digitata 7BI	PALAEO P	B2	O	2	
2490.50	S4120 L	167.00	M.florida	PALAEO P	B3	O	2	
2491.00	QT407 L	167.00	Time Slice Jurassic 7	TIMESLICE P	H4	O	4	
2491.00	QT404 H	180.00	Time Slice Jurassic 4	TIMESLICE P	H3	O	4	
2551.50	S4145 H	179.00	I.turbatus	PALAEO P	B2	O	2	
2646.00	QT403 H	189.00	Time Slice Jurassic 3	TIMESLICE P	H4	O	4	
2646.00	QT404 L	189.00	Time Slice Jurassic 4	TIMESLICE P	H4	O	4	
2668.00	QT403 L	190.50	Time Slice Jurassic 3	TIMESLICE P	H4	O	4	
2668.00	QT402 H	190.50	Time Slice Jurassic 2	TIMESLICE P	H4	O	4	
2728.00	S4145 L	193.50	I.turbatus	PALAEO P	B2	O	2	
2747.00	QT402 L	200.00	Time Slice Jurassic 2	TIMESLICE P	H4	O	4	

Palynology results based on 20 SWCs and 5 core samples between 2201-2728m.
 Eight palynological samples were barren including 5 shale samples from core-1
 between 2497.3-2499m.

Average depositional rate of <10m/my between 2200-2490m suggests a condensed
 section, with all zones present except S. tabulata-S. areolata Zone interval.
 Sliver of Callovian in well represented by W.digitata Zone in SWC at 2490.5m
 is probably bounded by unconformities.

All zones above K6 are extrapolated from the adjacent Jarman 1 well using
 lithological and seismic correlations

- 1 Rexilius, J.P., 1989. Micropalaeontological analysis of Trafalgar-1, Carnarvon Basin. Internal. Strat. Consul. Rept. for Ampol Expl. Ltd.
- 2 Hos, D.P.C., 1988. Palynological report on trafalgar-1, WA-203-P, Carnarvon Basin. 4p. (Dec.).
- 3 Ampol Exploration Ltd. Trafalgar-1, Appendix 8: Biostratigraphy. 4p. (Extract from WCR).
- 4 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.

Wamac 1
 -17.240517 121.491564 Canning Basin Fitzroy Trough
 PEDIN/File numbers: W6730015 73/246

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
				** = non-active record				
85.00	QT107	H	0.00 Time Slice Cainozoic 7	TIMESLICE	P	H2	O	5
322.90	QT309	H	83.00 Time Slice Cretaceous 9	TIMESLICE	P	H5	O	5
357.00	QT309	L	91.00 Time Slice Cretaceous 9	TIMESLICE	P	H5	O	5
357.00	QT304	H	114.00 Time Slice Cretaceous 4	TIMESLICE	P	H5	O	5
375.00	M3225	H	109.00 M.tetracantha 2bi/ii	MIN AGE	P	D5	O	4
405.00	QT304	L	119.00 Time Slice Cretaceous 4	TIMESLICE	P	H4	O	5
405.00	QT303	H	119.00 Time Slice Cretaceous 3	TIMESLICE	P	H4	O	5
410.00	M3240	L	119.50 O.operculata 2c	MAX AGE	P	D5	O	4
420.00	M3252	H	119.50 M.australis 2dii/iii	PALAEO	P	D3	O	4
500.00	M3240	H	115.00 O.operculata 2c	PALAEO	P	D4	E	*
712.00	QT303	L	125.00 Time Slice Cretaceous 3	TIMESLICE	P	H4	O	5
712.00	QT302	H	125.00 Time Slice Cretaceous 2	TIMESLICE	P	H4	O	5
895.00	QT302	L	137.00 Time Slice Cretaceous 2	TIMESLICE	P	H4	O	5
895.00	QT301	H	137.00 Time Slice Cretaceous 1	TIMESLICE	P	H4	O	5
1100.00	M3252	L	126.00 M.australis 2dii/iii	PALAEO	P	D5	O	4
1105.00	QT301	L	144.00 Time Slice Cretaceous 1	TIMESLICE	P	H4	O	5
1105.00	QT410	H	144.00 Time Slice Jurassic 10	TIMESLICE	P	H4	O	5
1130.00	M3310	M	140.00 D.lobispinosum 4bi	SNGL DEPTH	P	D3	O	4
1160.00	M4100	H	144.50 D.jurassicum 5A/B	PALAEO	P	D3	O	4
1324.00	QT410	L	147.50 Time Slice Jurassic 10	TIMESLICE	P	H4	O	5
1324.00	QT409	H	147.50 Time Slice Jurassic 9	TIMESLICE	P	H4	O	5
1385.00	QT409	L	150.00 Time Slice Jurassic 9	TIMESLICE	P	H4	O	5
1385.00	QT406	H	167.00 Time Slice Jurassic 6	TIMESLICE	P	H4	O	5
1460.00	M4100	L	147.00 D.jurassicum 5A/B	PALAEO	P	D5	O	4
1535.00	S4145	H	179.00 I.turbatus	PALAEO	P	D5	O	3
1590.00	QT406	L	177.00 Time Slice Jurassic 6	TIMESLICE	P	H4	O	5
1590.00	QT405	H	177.00 Time Slice Jurassic 5	TIMESLICE	P	H3	O	5
1592.00	S4145	H	179.00 I.turbatus	PALAEO	A	B2	E	*
1653.00	S4145	H	179.00 I.turbatus	PALAEO	A	B3	O	3
1830.00	S4145	L	193.50 I.turbatus	PALAEO	A	B3	O	3
1840.00	QT405	L	180.00 Time Slice Jurassic 5	TIMESLICE	P	H3	O	5
1840.00	QT505	H	222.00 Time Slice Triassic 5	TIMESLICE	P	H5	O	5
1961.00	S4145	L	193.50 I.turbatus	PALAEO	P	D5	O	3
1964.00	QT505	L	231.00 Time Slice Triassic 5	TIMESLICE	P	H5	O	5
1964.00	QT706	H	286.00 Time Slice Carboniferous 6	TIMESLICE	P	H5	O	5
1970.00	S5100	M	229.50 Falcisporites Superzone	SNGL DEPTH	P	B5	O	3
2167.00	QT706	L	308.50 Time Slice Carboniferous 6	TIMESLICE	P	H5	O	5
2167.00	QT703	H	340.00 Time Slice Carboniferous 3	TIMESLICE	P	H5	O	5
2181.00	S7125	H	340.00 A.largus	MIN AGE	P	B3	O	3
2366.00	QT703	L	350.00 Time Slice Carboniferous 3	TIMESLICE	P	H5	O	5
2366.00	QT702	H	350.00 Time Slice Carboniferous 2	TIMESLICE	P	H5	O	5
2565.00	QT702	L	352.00 Time Slice Carboniferous 2	TIMESLICE	P	H5	O	5
2565.00	QT701	H	352.00 Time Slice Carboniferous 1	TIMESLICE	P	H5	O	5
2645.00	S7135	L	360.00 Grandispora spiculifera	MAX AGE	A	B3	O	3
2760.00	S7135	L	360.00 Grandispora spiculifera	MAX AGE	P	E3	O	3
2764.00	QT701	L	360.00 Time Slice Carboniferous 1	TIMESLICE	P	H5	O	5

Palynology results by Lister (1973) based on 16 SWCs, 44 cuttings and 4 junk samples between 500-2760m.

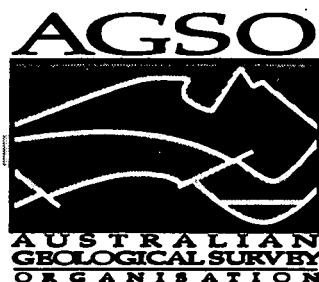
Helby & Partridge (1981) report reconnaissance analysis of interval 1535-2645m.

Helby & Partridge (1982) reports samples 1980-2140m are dominated by Jurassic cavings with very little evidence of any carbonised palynomorphs to support an older age.

Morgan (1990) reports caved evidence for C.striatoconus Zone above 375m.

Morgan (1990) also reports caved evidence of P.iehense Zone index species in D.jurassicum Zone.

- 1 Lister, T.R., 1973. Palynology Report Well Wamac-1. 10p. (Dec.).
- 2 Price, P.L., 1973. Wamac No. 1 Palynology Report No. 169/1. 7p. Mines Admin P/L rept. for Amax Pet. (Aust.) Inc.
- 3 Helby, R. & Partridge, A., 1982. Palynological review of selected stratigraphic intervals in Lacepede-1A, Meda-1, Tappers Inlet-1 & Wamac-1 in Canning Basin. EAL Rept. 1981/25 (completed 27/4/82).
- 4 Morgan, R., 1990. Palynological Data Sheet. 2p. No species lists available.
- 5 Spencer, L.K., et al 1995 Beagle, Bedout, Offshore Canning and Rowley Sub-basins Module. AGSO Record 1995/03.



APIRA
AUSTRALIAN PETROLEUM SYSTEMS

ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

APPENDIX 2

**A.PARTRIDGE PALYNOLOGICAL
REPORT**

**Review of the Palaeontological Data from Twenty-two Wells in
the Roebuck and Offshore Canning Basins and Beagle Sub-
basin Module for the
Australian Petroleum Systems Project.**

by

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Biostrata Report 1994/17

9 November 1994

Introduction

All available palaeontology reports on open file from twenty-two selected wells from the Beagle Sub-basin Offshore Canning Basin have been reviewed for preparation of STRATDAT database files. All wells are offshore except Samphire Marsh-1 (lat. 19° 21' 07.60" long. 121° 10' 50.80") located on the coastline in southeastern corner of the area. Where available both the micropalaeontological (foraminiferal) and palynological reports were reviewed for preparation of the STRATDAT files.

The foraminiferal datings are interpreted in terms of the tropical N and P zones for Pliocene to Oligocene, and in terms of the local T and C zonation schemes for the Eocene-Paleocene and Cretaceous respectively. These local zones were developed by the micropalaeontologists working for BOCAL Pty Ltd (Wright 1973a, b) and have subsequently been used and tested in most wells on the North West Shelf. They are the preferred zones for this review as their limits could be identified with more confidence from the available reports which usually only provide selected species lists rather than comprehensive range charts. Occasionally it was necessary to use the tropical P zones in the Eocene/ Paleocene where the local zones lack resolution. A particular instance of this is the top of Zone P9 which lies within the local T10 Zone. The first and last appearances of the key species which define the T and C zones are given in the Appendix.

The Mesozoic palynological datings follow the synthesis of Helby, Morgan & Partridge (1987). Note, however, that has not been possible to recognise any of the recently developed refinements to this scheme, such as the Bint & Marshall (1994) subdivision of the *P. iehiense* to upper *D. jurassicum* Zones or the still informal subdivisions of the latest Jurassic *D. jurassicum* Zone being independently developed by Dr. R. Morgan and Dr. R. Helby. In the Beagle Sub-basin it has been found that the interval represented by these zones is unusually thin and the sampling interval for the sidewall cores not dense enough. In addition the recorded species lists are not comprehensive.

The Permian to Devonian spore-pollen zones identified in the inshore wells are an amalgam of the Permian to Late Carboniferous stage nomenclature originated by Evans (1969) combined with the newer Carboniferous zonation of Powis (1984) and an informal Devonian zonation also developed by Dr. G. D. Powis.

The major features of the depositional succession drilled in the basin can be summarised by grouping the wells into three provinces to link similarities and highlight anomalies. Remarks on individual wells then follow with emphasis on weaknesses of the data and aspects requiring further work. This is followed by recommendations ranking additional work needed from a biostratigraphic perspective. This of course may not be preferred ranking for further work required for the project once the available palaeontology is synthesised with other geological studies and the seismic interpretations.

Overall confidence ratings given in the STRATDAT files prepared for this module are lower than previous modules. Many of the reports available predate the zonation synthesis of Helby, Morgan & Partridge (1987) and these early species lists lack key species. Where later re-interpretations are available they are mostly only a Data Sheet without supporting species lists. In the absence of extensive or at least adequate species lists many datums are given a "3" confidence rating indicating Fair Confidence based on a low diversity assemblage with key zone species, as this is believed to most adequately reflect the type of assemblage recorded.

Note that when picking palaeontological datums from cuttings the top of the cuttings interval is selected.

Provinces

Outer Shelf to Continental Slope Wells.

Characterised by thickest Tertiary sections (1300-1780m, average 1525m) and all wells reaching T.D. whilst still within Jurassic. The three deepest wells have on average penetrated 1950 metres of Jurassic. The wells in this province are:

East Mermaid 1	Jarman 1
Minilya 1	Trafalgar 1
Depuch 1	North Turtle 1
Picard 1	

Mid Shelf Wells

Characterised by thinner Tertiary section sampled in only half the wells; thinner Jurassic section and all wells reaching T.D. whilst still within the Triassic. The three deepest wells have on average penetrated >2000 metres of Triassic.

The wells in this province are:

Phoenix 1	Bruce 1
Phoenix 2	Poissonier 1
Bedout 1	Keraudren 1
Lagrange 1	

Inner Shelf Wells

Characterised by thin Tertiary and Late Cretaceous sections, which are generally not sampled because they are behind the surface casing string, and all wells reaching T.D. in Permian or older rocks. The wells Lacepede-1A and Wamac-1 are a subset within this province as they both have relatively thick Early Cretaceous sections, thick sections of the Middle Jurassic *I. turbatus*. Wells in this province are:

Lacepede 1	Kambara 1
Wamac 1	Samphire Marsh 1,
Perindi 1	Pearl 1.

Outer Shelf to Continental Slope Wells

Of the westernmost wells East Mermaid-1 located on the continental slope (WD 388m) is distinguished from the others by its thick Early Cretaceous section (>1000 metres). It is probably the only well which penetrates a full compliment of the microplankton zones within

the *F. cylindrica* and *Muderongia* Superzones. However, the basal Cretaceous to latest Jurassic is very thin at East Mermaid-1 and undoubtedly condensed over the interval 2856-2902m. The two sidewall cores in this interval need re-examination and 4 to 10 cuttings samples would be desirable to check for presence or absence of the zones between *C. delicata* to *C. perforans* Zones. Note, however, that Roger Morgan reported in notes accompanying his 1990 Data Sheet that slides from the SWC at 2883.5m (9460ft) were missing from the relinquishment slide set.

The distribution and thickness of the interval between the *C. delicata*-*C. perforans* Zones in this province is quite variable as shown by the following tabulation:

Depuch 1	no reliable data.
East Mermaid 1	<58m
Jarman 1	<220m
Minilya 1	<145m
North Turtle 1	<40m
Picard 1	Not present or <12m
Ronsard 1	Not present or <10m
Trafalgar 1	<20m

Within the Early Cretaceous the intervals representing the *M. australis* to *P. burgerii* Zones and *B. reticulatum* to *D. lobisporosum* Zones are well developed relative to the intervening *S. tabulata*-*E. torynum* Zones and underlying *C. delicata*-*C. perforans* Zone intervals. It is likely that some of these poorly developed or apparently absent units are present as condensed sections as they are occasionally picked up in the better sampled wells (eg. Trafalgar-1).

In the thick Early to Middle Jurassic sections penetrated in this outer province dinoflagellates are rare and difficult to find in the deltaic to coastal plain sequences, even though the apparent maximum deposition rates of <50m/Ma is not particularly high. Similarly the spore-pollen zone boundaries are difficult to confidently pick without a higher effort factor in the work. In this regard the range charts prepared by R. Purcell (report not supplied) for Depuch-1, North Turtle-1 and Picard-1 have been very important as they provide detailed assemblages and abundance data based on counts. They clearly indicate there is considerable potential for further subdivision of the Jurassic sequence using the zonation scheme developed in the Perth Basin by Filatoff (1975) provided of course that sufficient effort is applied.

Mid Shelf Wells

Terrestrial lignite sequences are mentioned in the micropalaeontology reports on Phoenix-1 by Paltech Pty Ltd as occurring at 802-822m (Oligocene?) and 1216-1229m (Mid-Maastrichtian?). In addition foraminiferal poor units are noted between 915-963.5m (basal Mid-Eocene) and 1440-1485m (basal Campanian-latest Santonian).

Lignites of these ages are unknown to the best of my knowledge from elsewhere on the North West Shelf and are therefore likely to reflect unique environments. Could they perhaps represent low stand wedge to transgressive system tracts deposits associated with channels

crossing the shelf? Further, could these postulated channels have acted as conduits for accumulation of offshore lowstand fans containing potential reservoirs and therefore are worthy of further consideration? The palynological report by Harris (1980) on Phoenix-1 obviously concerned samples from these terrestrially influenced intervals but unfortunately no depths were supplied by the operator to the consultant.

It is unfortunate there is no micropalaeontological report from the adjacent Phoenix-2 or from the shelf edge well Minilya-1. Both of these wells have no biostratigraphy or palaeontological control on their palaeoenvironments until well within the Cretaceous.

It would seem to be desirable to have a second look at the lithologies recorded from Phoenix-1 and the adjacent Phoenix-2 and Minilya-1 and to run additional palynology and/or micropalaeontology samples on all three wells.

Of the mid Shelf wells Lagrange-1 has the poorest age control. There is no micropalaeontological data and the palynology is restricted to cuttings in the Early Cretaceous whilst the limited number of sidewall cores examined are restricted to the interval from the basal Middle Jurassic to Triassic. There is thus a gap of about 600 metres with no control in the middle of the well. This well is obviously in need of revision by analysis of a new suite of samples.

In all wells in this middle province there is a palynologically poor to barren interval between the base of the Early Jurassic *C. torosa* Zone to the top of the first reliable Triassic dating. Over the whole region the youngest confidently identified zone is the Middle Triassic *S. quadrifidus* Zone. Evidence for the presence of the younger *S. speciosus* to *A. reducta* Zones is poor. This barren interval is similar to the Lesueur Sandstone in the Perth Basin which is also poorly age constrained in most wells. In the Beagle Sub-basin the dating is not likely to be improved unless more sidewall cores can be taken through this section in future wells. Because of the very lean nature of the section analysis of cuttings in the available wells, based on past experience, is likely to be unproductive as the youngest occurrence of Triassic spore-pollen is usually masked by the downhole caving of Jurassic assemblages. The latter are so rich that less than 5% cavings in the cuttings will entirely overwhelm any in situ Triassic. Identification of top Triassic is further complicated by the frequent but rarely abundant presence of reworked Triassic spore-pollen throughout the Jurassic.

Phoenix-2 has the thickest Triassic section (>2400m) and the thickest *T. playfordii* Zone and, further, it does not appear to have penetrated this zone at T.D. Poissonnier-1 penetrates the oldest rocks in the province reaching the Early Triassic *P. samoilovichii* or *L. pellicidus* Zones at the bottom of the hole. Higher in the well the amalgamated assemblage list provided by Lister (1974) between 1127-1807m contains elements of interval *S. speciosus* to *T. playfordii* Zones. Although Triassic section has been stripped off in Poissonnier-1 at the Jurassic/Triassic unconformity these Triassic ages suggest the section is thinner relative to Phoenix-1 and 2. The Jurassic-Triassic sequence in Poissonnier-1 is also unusual in that there is no *C. torosa* Zone or the upper Triassic barren zone interval in the well. In this there are similarities to the northern wells Lacepede-1A and Wamac-1 where the *I. turbatus* Zone directly overlies the Late Carboniferous. Note there may also be some Triassic in Wamac-1 based on one sample.

Inshore Wells

Comparing Wamac-1 to the nearby Lacepede-1A the Early Cretaceous zone picks in Wamac-1 based only on cuttings appear too deep. The *Muderongia* Superzone is thicker and *F. cylindrica* Superzone is thinner. It is suspected that part of the problem is with the

identification of the *D. jurassicum* Zone in Wamac-1 in cuttings between 1130-1460m (~330m thick) which is three times the maximum possible thickness in Lacepede-1A.

Note also that the index species of the *C. striatoconus* Zone was identified as a caved element in cutting in Wamac-1. The available control indicates it must come from above 375m confirming a correlation to this zone in Lacepede-1A at 317m. With the exception of Samphire Marsh-1 the other inshore wells have relatively good age control and don't require revision. The Jurassic at the top of the section in most of these wells is interesting in terms of regional palaeogeography because it has to correlate with the much thicker Jurassic sections further offshore. Unfortunately, the current age control cannot be improved as the section is mostly behind the surface casing.

Samphire Marsh-1 (T.D. 2071m) is an important control point at the southeastern corner of the Beagle/Canning module but unfortunately the available palynology is restricted to just 3 samples with no datings above 750m. As this is an old well (spudded 1958) it has the potential to provide further data if sampled systematically for modern palynological analysis. It would also be worthwhile investigating available palynology from BMR 4A Wallal borehole (drilled 1958 to T.D. of 679m) located on the coast to the southeast and the shallow offshore well Chirup-1 drilled by Wapet in 1968 to T.D. of 762m. Both these wells could compliment further analysis of Samphire Marsh-1.

General Comments On Wells

BEDOUT-1

Previous foraminiferal datums by J. Rexilius (ca. 1983) using unpublished scheme and originating from old Esso STRATDAT files should be deleted or archived and replaced by new datums expressed in terms of Woodside "T" and "C" zones.

Palynological zonation of Bedout-1 is best described as weak. Comments by B. Ingram accompanying his 1990 Data Sheet on the poor quality of the palynological preparations suggest new samples and preparation would be necessary to gain any substantial improvement.

BRUCE-1

Palynological results in original report by Ingram (1979) are very abridged and cannot confidently be interpreted under modern zonation. Given good sidewall coverage this well is urgently in need of microscopic re-examination.

Poor foraminiferal results suggests Tertiary and Late Cretaceous should also be analysed by palynology. However, new palynological samples would need to be prepared above 950m.

DEPUCH-1

Previous foraminiferal datums in old STRATDAT file need to be deleted or archived whilst all old palynological datums need to be deleted and replaced by new datums. Keep however, datums for casing shoes and provide reference to Well Completion Report.

The section between 2123-2525m is top priority for re-analysis of palynological slides. However, given that the range chart prepared by R. Purcell is not accompanied by report or

reference to a report it needs to be checked whether this section has not already been re-examined.

EAST MERMAID-1

Old foraminiferal and palynological datums need to be deleted and replaced by new interpretations. The foraminiferal datings in this well are reasonable but the palynological datings have the potential to be significantly upgraded. As noted by Morgan in comments accompanying his 1990 Data Sheet the palynological preparations are poor and this has also been my experience of other material from Shell's palynological laboratory of the early 1970s. Additional microscope work on existing slides should yield better results but would require a large time commitment because the under-oxidised slides produced in the Shell laboratory are extremely slow to work. A quicker approach, although probably no less costly, would be to re-examine the sidewall core samples in conjunction with a set of better processed cuttings samples. Some critical intervals warranting further work are given in the preceding discussion section.

JARMAN-1

For foraminiferal datums from original STRATDAT file all the Tertiary picks between 435-1744m should be deleted as they have been revised in new list. For foraminiferal datums in Cretaceous between 1745-2220m these should be either deleted or archived. These early datums originated from work by J. Rexilius ca.1983 and can now be considered to be "out of date". All the formation picks in the old file should be referenced to A. D. Partridge (1988) and were picked off well completion log in well completion report.

The foraminiferal study, although based almost exclusively on cuttings, is fairly detailed so it is unlikely to be substantially improved without a major effort.

Palynology datums in original STRATDAT need to be deleted and replaced by new datums in Excel file. Palynology is only likely to be significantly improved if new samples can be prepared. It would be worth checking if there is any unprocessed sidewall cores and whether they would be available for analysis.

KAMBARA-1

No micropalaeontological analysis conducted on Kambara-1 for well completion report.

Cretaceous and Jurassic units above 655m were not sampled but some evidence of age present obtained from caved junk sample collected at 728m.

KERAUDREN-1

All datums in old Esso STRATDAT file should be deleted and replaced with new datums based on new data.

Morgan in comments accompanying 1990 Data Sheet says palynology slides are well processed. However, he has not assigned all samples to zone so additional work is possible on this well. The following intervals need to be re-examined:

529-817m	10 SWCs	Tertiary-Late Cretaceous
2462-2868m	5 SWCs	Late Triassic

There are also scattered SWCs between 847-2103m which are not zoned and have potential for improving subdivision.

Overall sequence is very condensed and therefore not all zones are likely to be present. Analysis of selected new cuttings samples may also be useful.

LACEPEDE-1A

Lacepede-1A is a very early well by BOCAL and this is reflected in quality of the palaeontological preparations and early reports.

The foraminiferal data is very poor and unlikely to be improved by more analysis. Additional work is, however, warranted using palynology in the Late Cretaceous and Jurassic. Re-examination of existing slides is however only recommended if the work is done in conjunction with the processing of new cuttings samples. Many of the anomalies in the palynology results are speculated in the report by Helby (Esso Aust Ltd Palaeo Rpt 1984/12) and 1990 Data Sheet by Ingram to be due to cross-contamination in the laboratory. This particular difficulty can only be resolved by processing new samples.

LAGRANGE-1

No micropalaeontological report was provided from Lagrange-1. The possibility that a report was done should be checked.

To improve palynological dating new preparations are recommended. it would be worthwhile checking if there are any unprocessed SWCs available first, then to check cuttings for unsampled shaly intervals. Note particularly the sampling gap between 1740m to 2323.5m. Dating across Jurassic/Triassic boundary is also poor, but because this section is always difficult to obtain reliable answers additional sampling below 2550m would not be given a high priority.

MINILYA-1

No micropalaeontological report was provided for Minilya-1 so the possibility that a report was completed should be checked.

Palynological data in well completion report by Lister (1974) is very limited and cannot be referred to modern microplankton zones. Morgan's 1990 Data Sheet is therefore accepted at face value but it is noted that samples from several intervals have not been reported in detail and these could potentially be upgraded.

These intervals are:

1560-1961m	27 SWCs	Eocene-Albian
2026.5-2064	3 SWCs	Neoconian
2137m	1 SWC	At unconformity?
2352.5-TD	3 SWCs	Jurassic?

MINJIN-1

No micropalaeontological analysis conducted on Minjin-1 for well completion report.

NORTH TURTLE-1

The well datums and formation picks from the old Esso STRATDAT file should be retained and coded to reference number 8. Although there are not significant changes to the previous file all palaeo datums have been provided in the new Excel file. Therefore to avoid confusion the old datums are best deleted. As North Turtle-1 has been examined by six palynologists there is now reasonably good control. There is still some uncertainty concerning base of the *C. cooksoniae* and *D. complex* Zones but to improve or resolve this would require very detailed work and could not be justified at this time. Perhaps more useful would be additional work on cuttings across the Cretaceous/Jurassic unconformity between 2100-2400m to check for zones present in a possible condensed section.

PEARL-1

No additional palaeontology reports provide other than palynology report in well completion report.

PERINIDI-1

No micropalaeontology analysis conducted on Perindi-1 for well completion report.

PHOENIX-1

Although comparatively well sampled with 57 core or SWC and >80 cuttings samples analysed the overall palaeontological control is poor.

The foraminiferal sequence suffers from lack of good planktonic faunas. It is noted in Paltech Report 1980/13 that "terrestrial lignitic sequences" are identified between 802-822m and 1216-1229m and foraminiferal poor units between 915-963.5m and 1440-1485m. These units and overall shallow water environment of deposition of Tertiary and Late Cretaceous strongly suggest that age dating through this interval could be substantially improved by a detailed palynological study. The samples analysed by Harris (1980) which appear to contain good palynomorph assemblages were unfortunately not given depths but are probably from these units.

The palynological dating is particularly poor and confusing for marine sequence between Cenomanian and top of Mid Jurassic (approx. 1500-1950m). Ingram in the summary accompanying his 1990 Data Sheet states the original palynological preparations were poor due to lack of experienced palynological processing. Further, the twelve sidewall cores processed in this interval (approx. 40m spacing) are probably insufficient to adequately subdivide the sequence. Any additional sidewall cores available and cuttings would need to be analysed.

PHOENIX-2

No micropalaeontological report provided for review. Availability of report needs to be checked in well completion report.

Palynological report is of early vintage and therefore results could be considerably upgraded by re-examination of palynological slides. However, little improvements likely on low yielding samples between approx. 2500-3600m.

PICARD-1

Old foraminiferal and palynological datums from original Esso STRATDAT files should be deleted and replaced by new datums, keeping only the well datums from old STRATDAT file.

As palynology slides from this well have now been examined by 6 palynologists there would be little to gain by further work on Early-Mid Jurassic or basal Cretaceous section. So far Late Cretaceous and Tertiary have only received cursory examination and may yield additional data.

POISSONIER-1

Original datums on Poissonnier-1 in Esso STRATDAT file date from ca. 1983 and should now be deleted or archived.

Palynological slides from Poissonnier-1 need to be re-examined. Assemblages recorded by Lister (1974) in report in well completion report suggests material is good, and zone species are present, but the way the data is recorded makes it impossible to accurately define zone limits.

When reviewing the foraminiferal data it was noted that the SWC at 884m was unusual in containing abundant tooth and bone fragments but no foraminifera. It would be worthwhile checking the log signature at this depth, particularly in relation to the Turonian spike, the base of which was previously picked at 888m.

RONSARD-1

Old foraminiferal datums from Esso STRATDAT file were picks by J. Rexilius in ca. 1983 and should either be deleted or archived.

Although review by Helby & Partridge in 1982/83 was reconnaissance only, it seems to have recorded the major palynological subdivision achievable in the well. The only outstanding work remaining is a more thorough re-examination of the upper part of *I. turbatus* Zone to see if any younger zones may be present. This is only recommended if seismic or regional data suggests there are anomalies in current age picks.

SAMPHIRE MARSH-1

Four samples from Grant Formation gave predicable limited results. Although datums proposed are consistent with the palynology results I have no confidence that even differentiation between Stages 1 and 2 is necessarily valid because the species lists provided are so poor. Because typically results from the Grant Formation are invariably poor the choice for further work in Samphire Marsh-1 is either to do a very detailed study with intensive sampling or simply to do nothing. The best recommendation is to take the second option.

TRAFALGAR-1

Micropalaeontology report by Rexilius (1989, Micropalaeontology analysis of Trafalgar-1, Camarvon Basin. Unpubl. rept. for Ampol Expl. Ltd) was quoted in the palynology report but was not provided for analysis.

The palynological analysis in Trafalgar-1 is unlikely to be substantially improved unless unprocessed sidewall cores are available in the well. The section between 2200-2490+m is a condensed offshore marine shale. The low depositional rate of this unit would make it difficult to obtain any further refinement using cuttings. The interval between approx. 2491m to TD at 2747m seems to be entirely *I. turbatus* Zone and is unlikely to be further subdividable. The only section worth checking is the barren interval at the top of the section which contains core-1.

WAMAC-1

Because there appears to be extensive cavings in the cuttings it would be very difficult improve on the Middle Jurassic and Early Carboniferous ages unless there are unsampled cores and sidewall cores below 1500m.

The *D. jurassicum* Zone identified between 1160-1460m seems too thick relative to other wells in Beagle Sub-basin. This interval needs to be re-examined but it would be best done by processing new samples to compliment the relinquishment set.

Recommendations

1. Following wells need to be checked for availability of additional palaeontological reports.

Lagrange-1	Micropalaeontology report?
Minilya-1	Micropalaeontology report?
Phoenix-2	Micropalaeontology report?
Samphire Marsh-1	Micropalaeontology report or additional palynology reports?
Trafalgar-1	Micropalaeontology report by Rexilius (1989)

In addition any available palaeontology reports from the following wells need to be reviewed: Chirup-1 & BMR Wallal 4A

2. For the following wells and intervals the relinquished palynological slides should be re-examined:

Poissonnier-1	851-1947m (79 samples)
Bruce-1	950-2169m (53 samples)
Depuch-1	2123-2525m (26 samples)
East Mermaid-1	2870-6320 ft (24 samples)
Minilya-1	(see remarks on wells)

3. The following wells and intervals can only be upgraded by collecting and processing new palynological samples:

East Mermaid-1	9370-9521 ft (2856-2902m)
Depuch-1	2325-2525m
Phoenix-1	802-822m (lignites)
	915-965m
	1216-1230m (lignites)
	1440-1485m
	1700-1900m (unconformities?)
Phoenix-2	Section above 1548m
Samphire Marsh-1	Section above 749m

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- WRIGHT, C.A., 1973b. Planktonic foraminiferal biostratigraphy of the Paleocene to Eocene interval, North West Shelf, Western Australia. BOCAL Pty Ltd, unpublished report.

Appendix

Defining FADs (First Appearance Datums) and LADs (Last Appearance Datums) of key planktonic foraminiferal species for the Tertiary T-zones and Cretaceous C-zones.

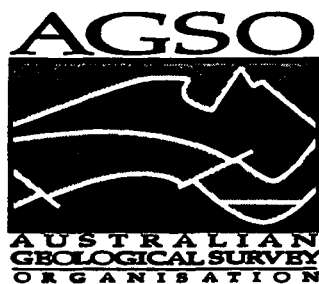
Tertiary Zones

T20	TOP	= LAD	<i>Globigerina binaiensis</i>
T19	TOP BASE	= LAD = FAD	<i>Globorotalia kugleri</i> <i>Globigerinoides quadrilobatus trilobus</i>
T18	TOP BASE	= LAD = FAD	<i>Globigerina sellii</i> <i>Globorotalia kugleri</i> ss.
T17	TOP within BASE	= LAD zone = FAD	<i>Globigerina gortanii</i> FAD <i>Globigerinoides primordius</i> <i>Globigerina angulisuturalis</i>
T16			Defined by overlying and underlying zones.
T15	TOP within	= LADs zone	of three species <i>Subbotina angiporoides</i> <i>Turborotalia increbescens</i> <i>Chiloguembelina cubensis</i> LAD <i>Pseudohastigerina micra</i>
T14	TOP	= LADs	of two species "Globorotalia" <i>cerroazulensis</i> <i>Subbotina linaperta</i>
T13	TOP	= LAD	<i>Globigerinathea kugleri</i>
T12	TOP	= LAD	<i>Morozovella spinulosa</i>
T11b	TOP BASE	= LAD = FAD	<i>Morozovella bullbrooki</i> <i>Hantkenina dumblei</i> and total range of species within zone.
T11a	TOP BASE	= LAD = FAD	<i>Morozovella aragonensis</i> <i>Globigerinathea</i> spp.
T10	TOP BASE	= LAD = FAD FAD	<i>Planorotalites australiformis</i> <i>Morozovella caucasica</i> followed by of <i>Subbotina frontosa</i>
T9	TOP	= LAD	<i>Morozovella formosa formosa</i>
T8	TOP	= LAD	<i>Morozovella aequa</i>
T7	TOP	= LAD	<i>Morozovella velascoensis</i>
T6	TOP	= LAD	<i>Planorotalites simplex</i>
T5	TOP	= LAD FAD	<i>Planorotalites chapmani</i> and <i>Planorotalites pseudomenardii</i> whilst occurring within the zone is the <i>Pseudohastigerina wilcoxensis</i>
T4B	TOP	= LAD	<i>Planorotalites ehrenbergi</i> and <i>Acarinina conicotruncata</i>
T4A	TOP BASE	= LAD = FAD	<i>Subbotina inconstans</i> <i>Planorotalites pseudomenardii</i>
T3	BASE	= FAD	<i>Planorotalites chapmani</i>

T2	TOP	= LAD FAD FAD FAD	<i>Morozovella uncinata</i> occurring within the zone are the following datums: <i>Morozovella pusilla</i> s.l after <i>Morozovella conicotruncata</i> after <i>Morozovella angulata</i>
T1	TOP BASE	= LAD = FADS	<i>Globoconusa daubjergensis</i> <i>G. daubjergensis</i> and <i>Planorotalites compressus</i>

Cretaceous Zones

C13	TOP BASE	= LAD = FAD	<i>Abathomphalus mayaroensis</i> <i>A. mayaroensis</i>
C12	BASE	= FAD FAD	<i>Globotruncana contusa</i> and <i>Athomphalus intermedius</i>
C11	TOP	= LAD	<i>Globotruncana lapparenti</i>
C10	TOP	= LAD LAD	<i>Globotruncana ventricosa</i> and <i>Globotruncana fornicata</i>
C9	TOP	= LAD	<i>Globotruncana elevata</i> and <i>Globotruncana marginata</i>
C8	TOP	= LAD	<i>Globotruncana carinata</i>
C7	TOP	= LAD	<i>Globotruncana renzi</i>
C6	TOP	= LAD	<i>Globotruncana imbricata</i> and <i>Clavhedbergella</i> (al. <i>Hedbergella</i>) <i>simplex</i>
C5	TOP BASE	= LAD = FAD	<i>Globotruncana helvetica</i> <i>Globotruncana lapparenti</i> and <i>Globotruncana renzi</i>
C4	TOP	= LAD	<i>Praeglobotruncana stephani</i> (original definition species now known to range stratigraphically higher)
C3B	TOP	= LAD	<i>Rotalipora</i> species or total range of <i>Rotalipora cushmani</i>
C3A	TOP	= LAD	<i>Rotalipora appenninica</i>
C2	TOP BASE	= LAD = FAD	<i>Planomalina buxtorfi</i> <i>P. buxtorfi</i>
C1	TOP BASE	= FAD = FAD	<i>P. buxtorfi</i> of abundant planktonic fauna comprised mainly of <i>Hedbergella</i>



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APPENDIX 3

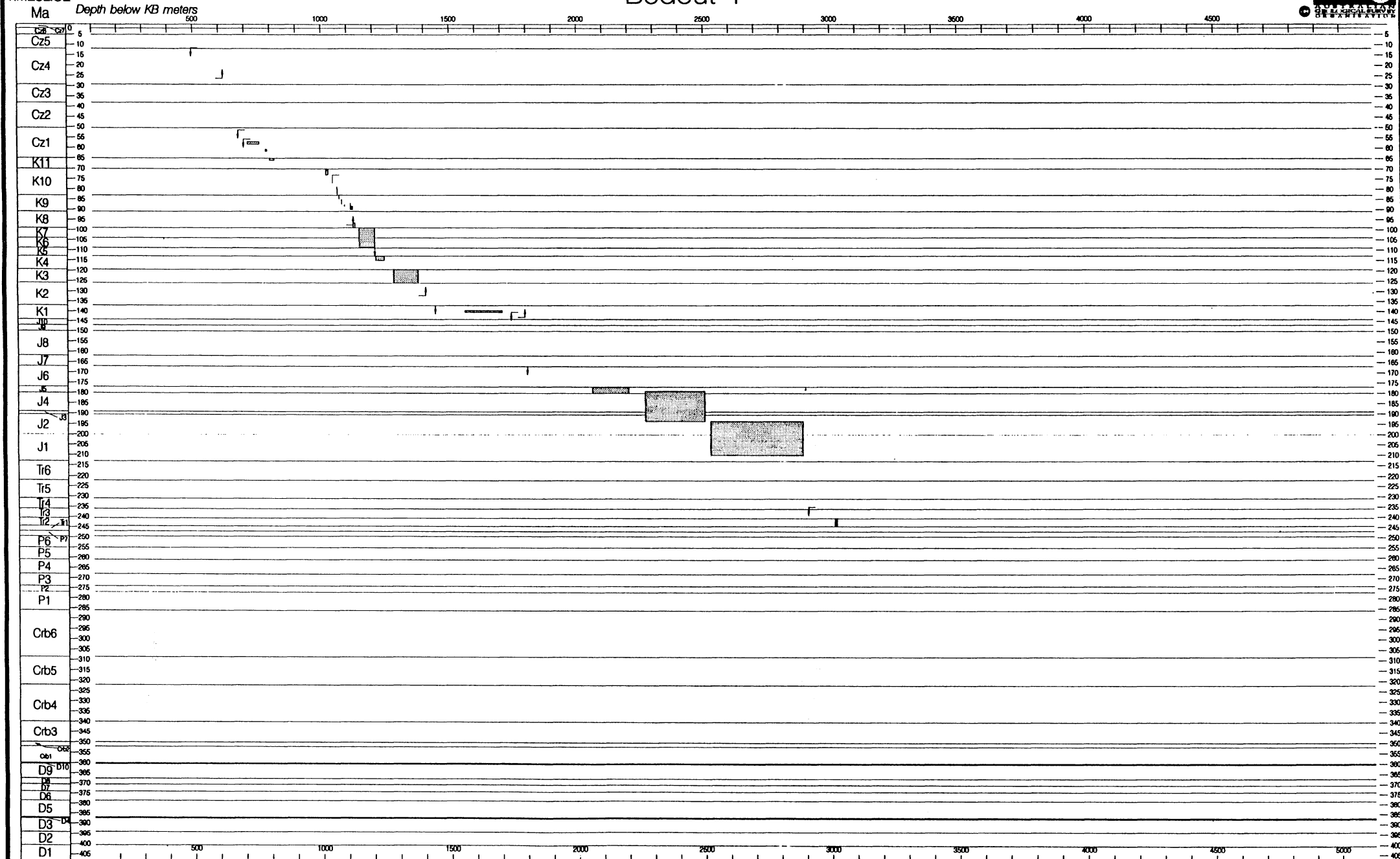
AGE/DEPTH PLOTS

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Bedout 1

TIMESLICE

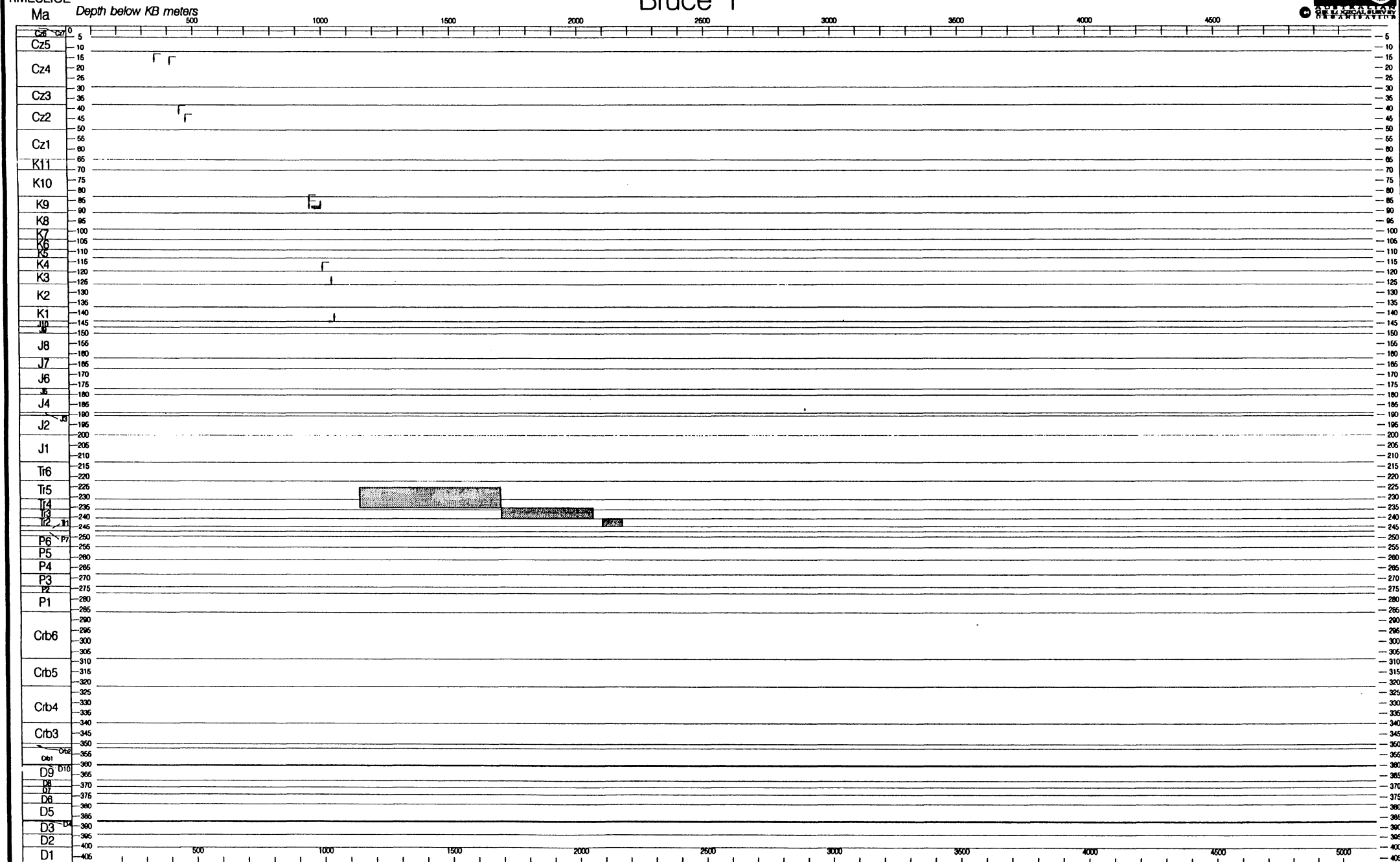


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Bruce 1

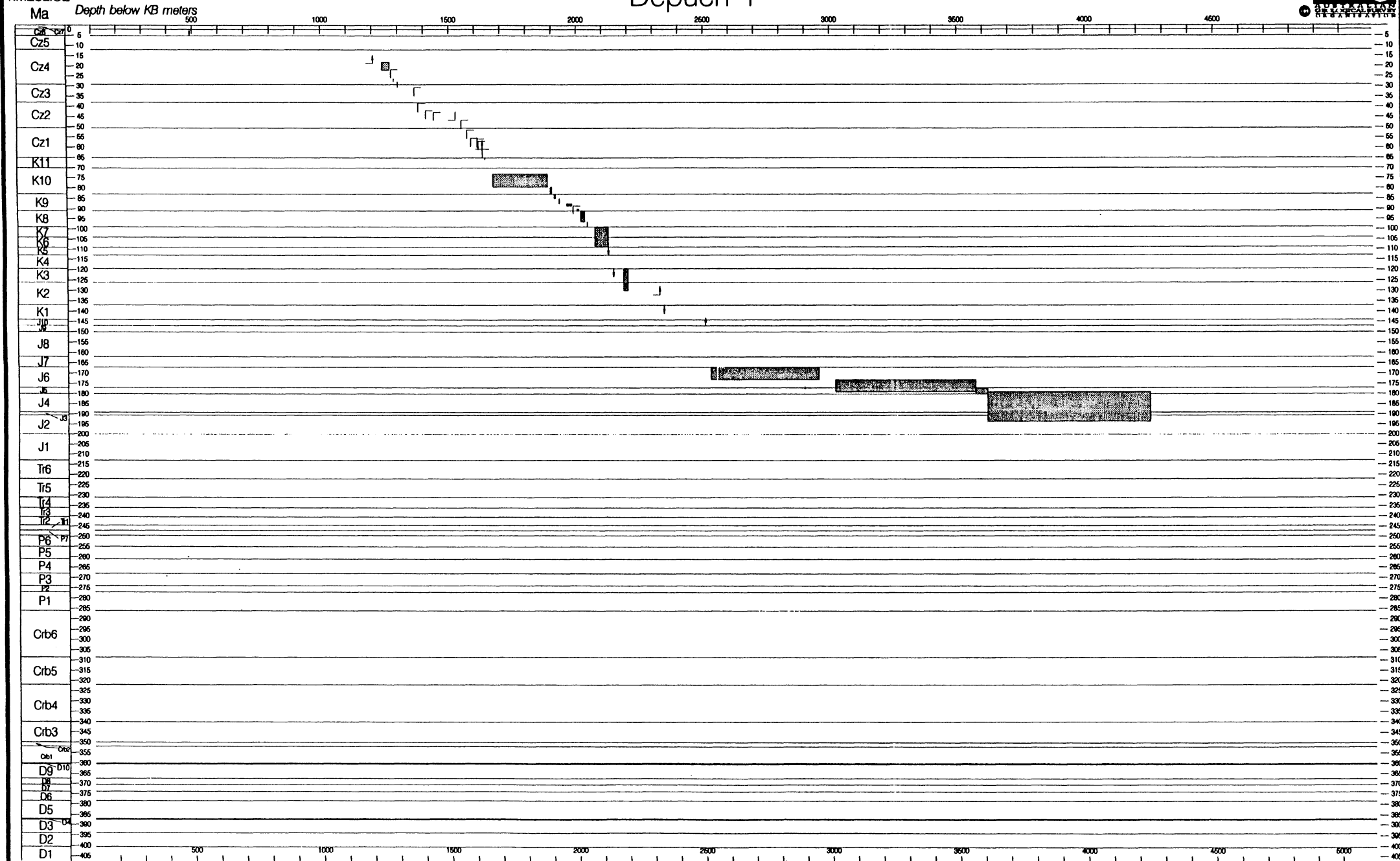


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Depuch 1

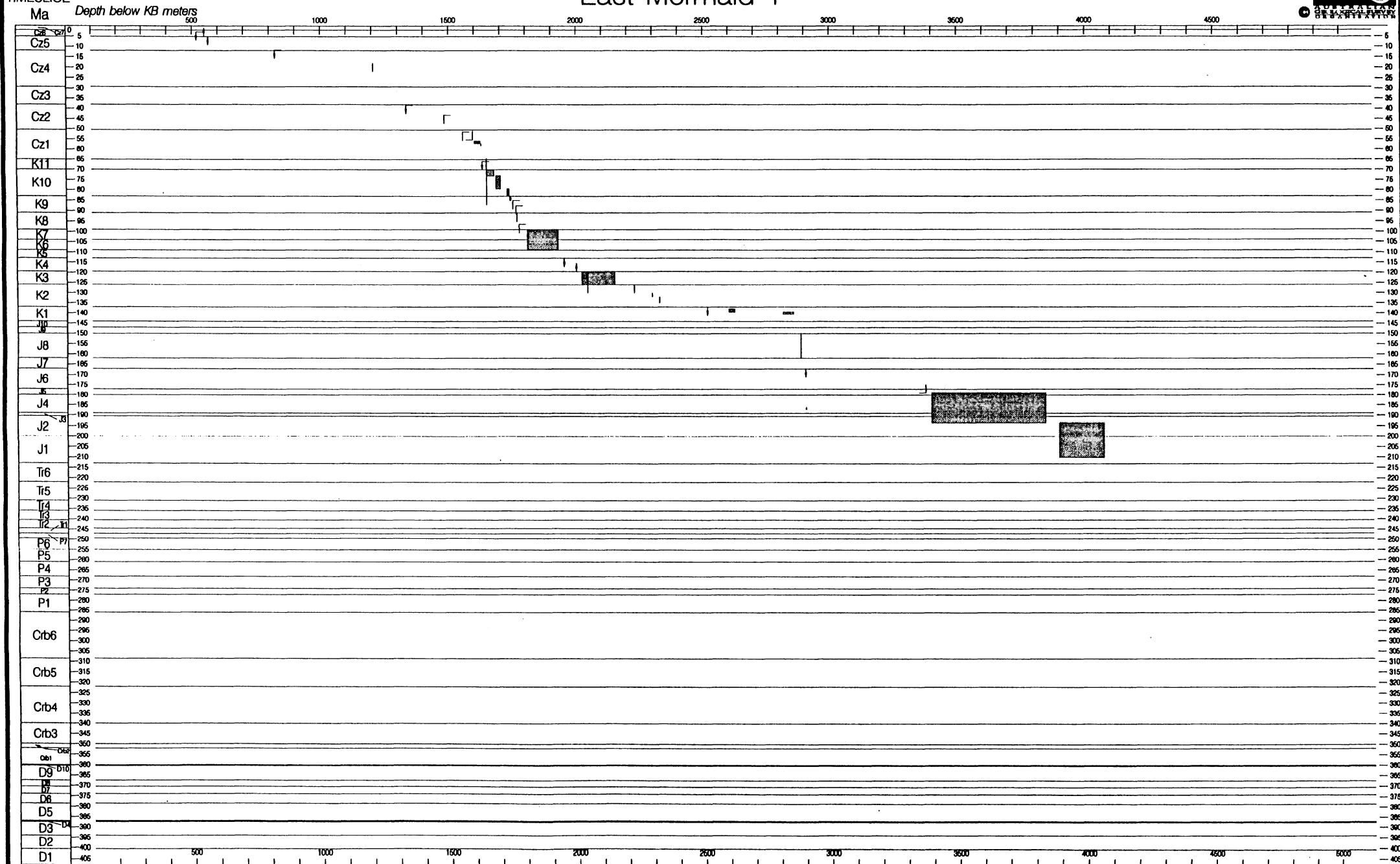


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East Mermaid 1

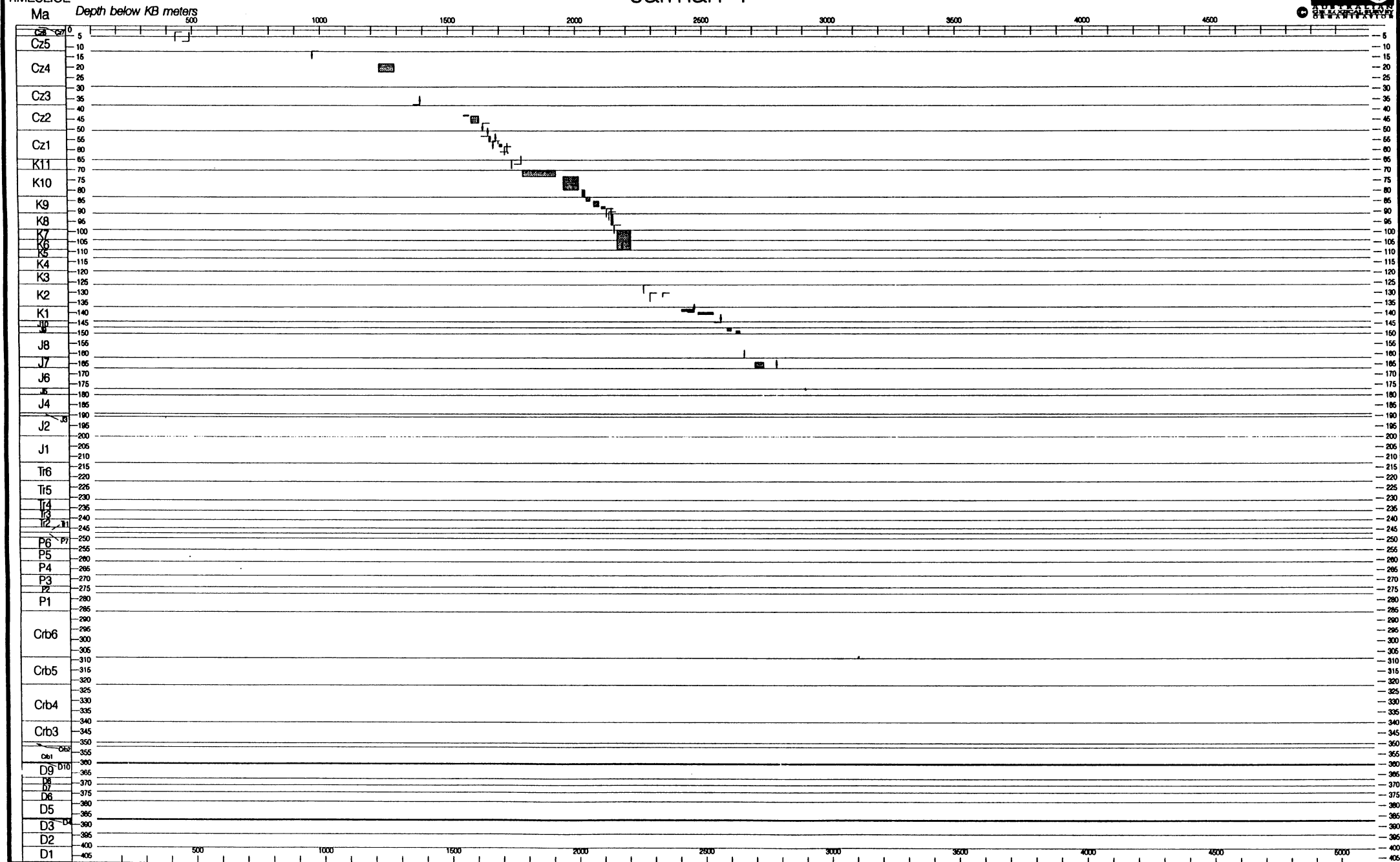


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Jarman 1

TIMESLICE

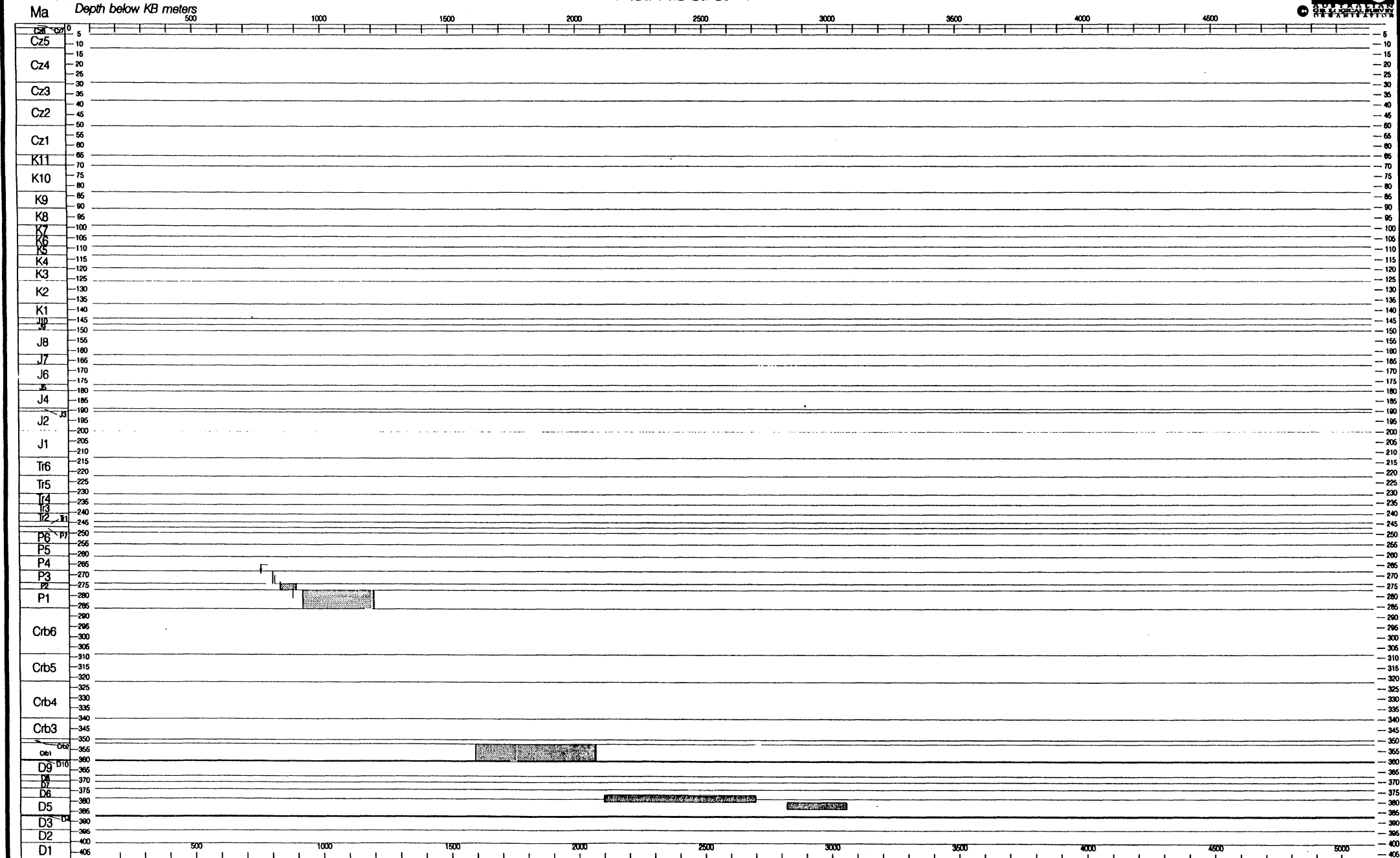


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TIMESLICE

Kambara 1

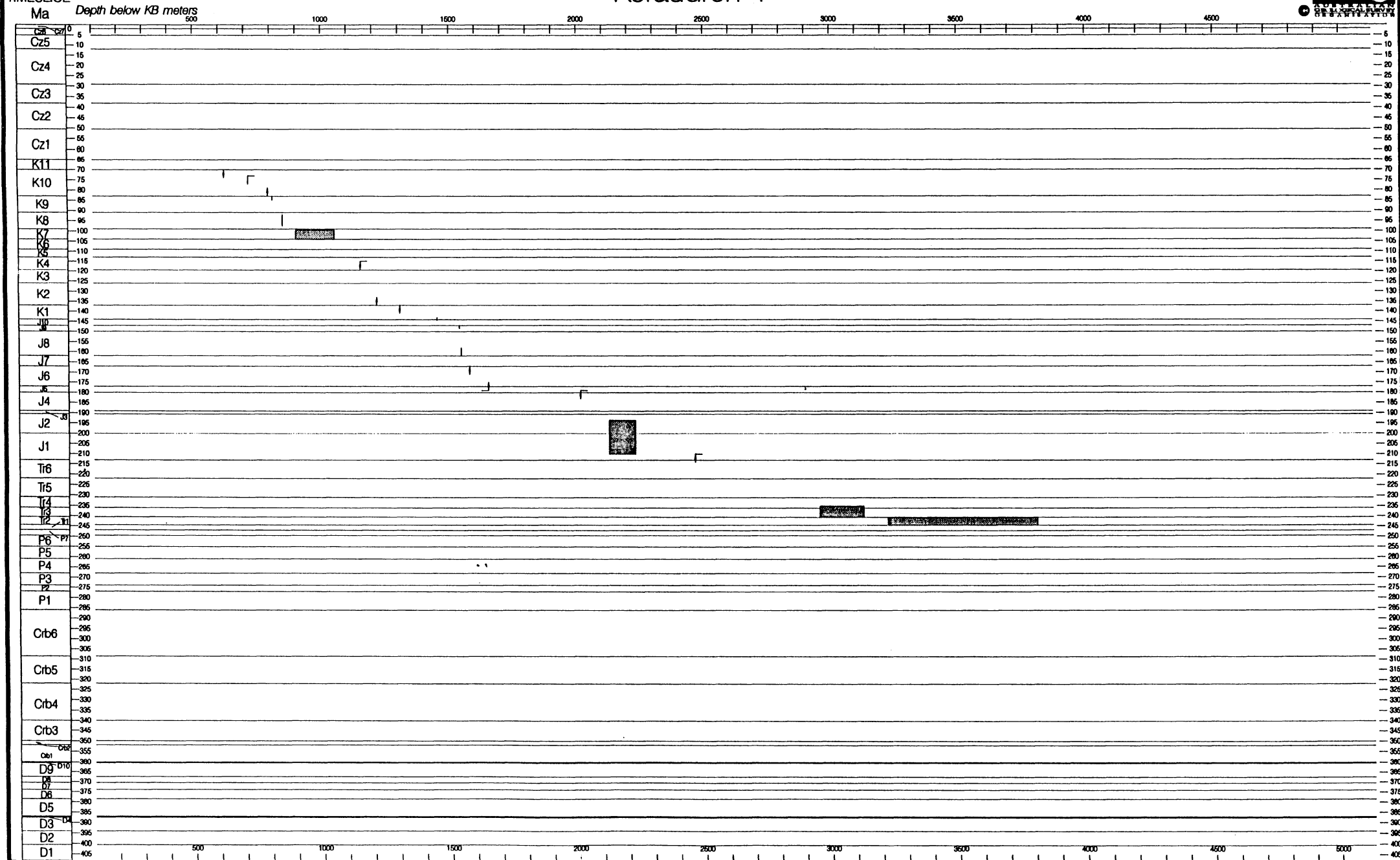


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Keraudren 1



TIMESLICE

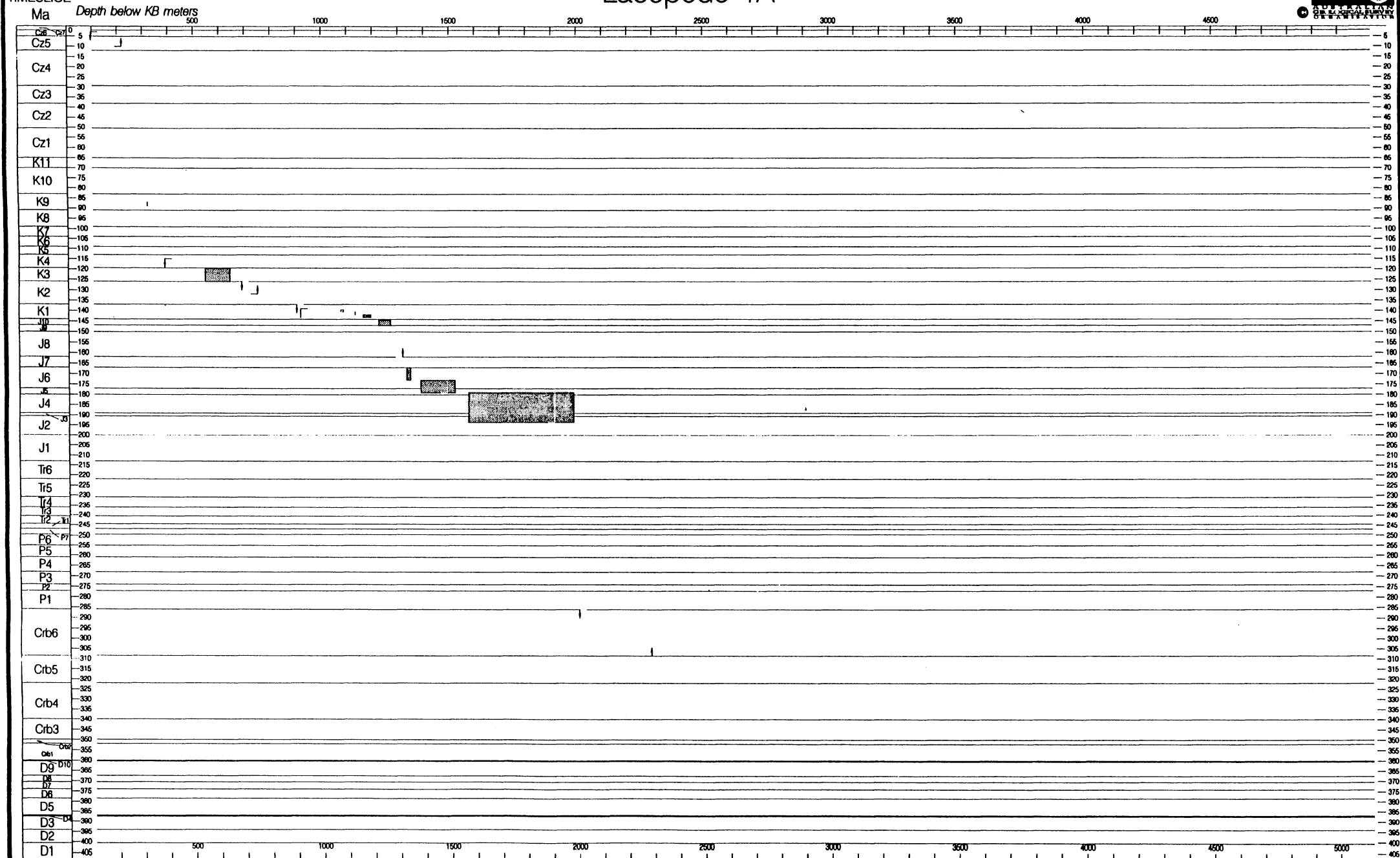


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Lacepede 1A

TIMESLICE



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Lagrange 1



TIMESLICE

Ma

Depth below KB meters

500

1000

1500

2000

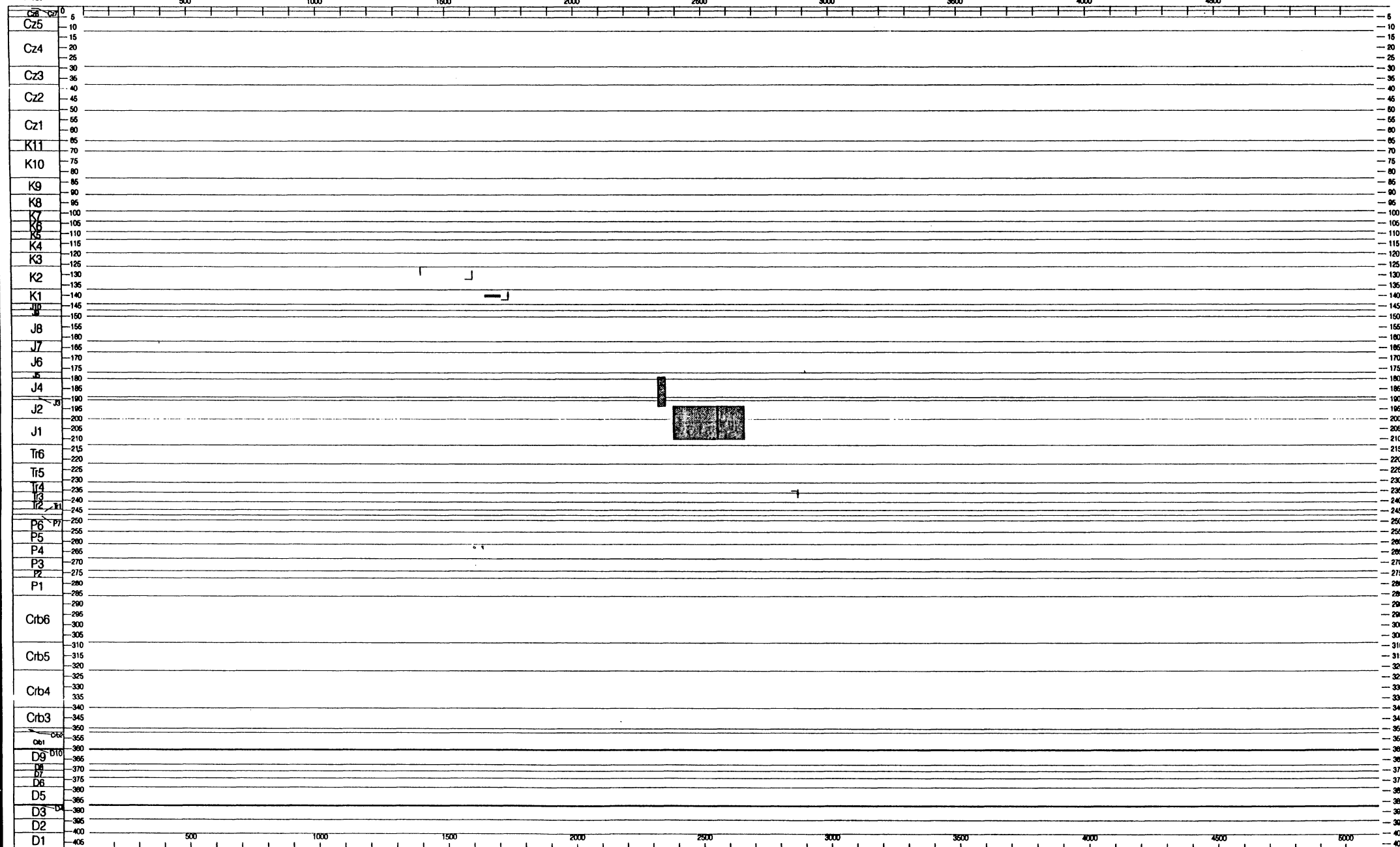
2500

3000

3500

4000

4500

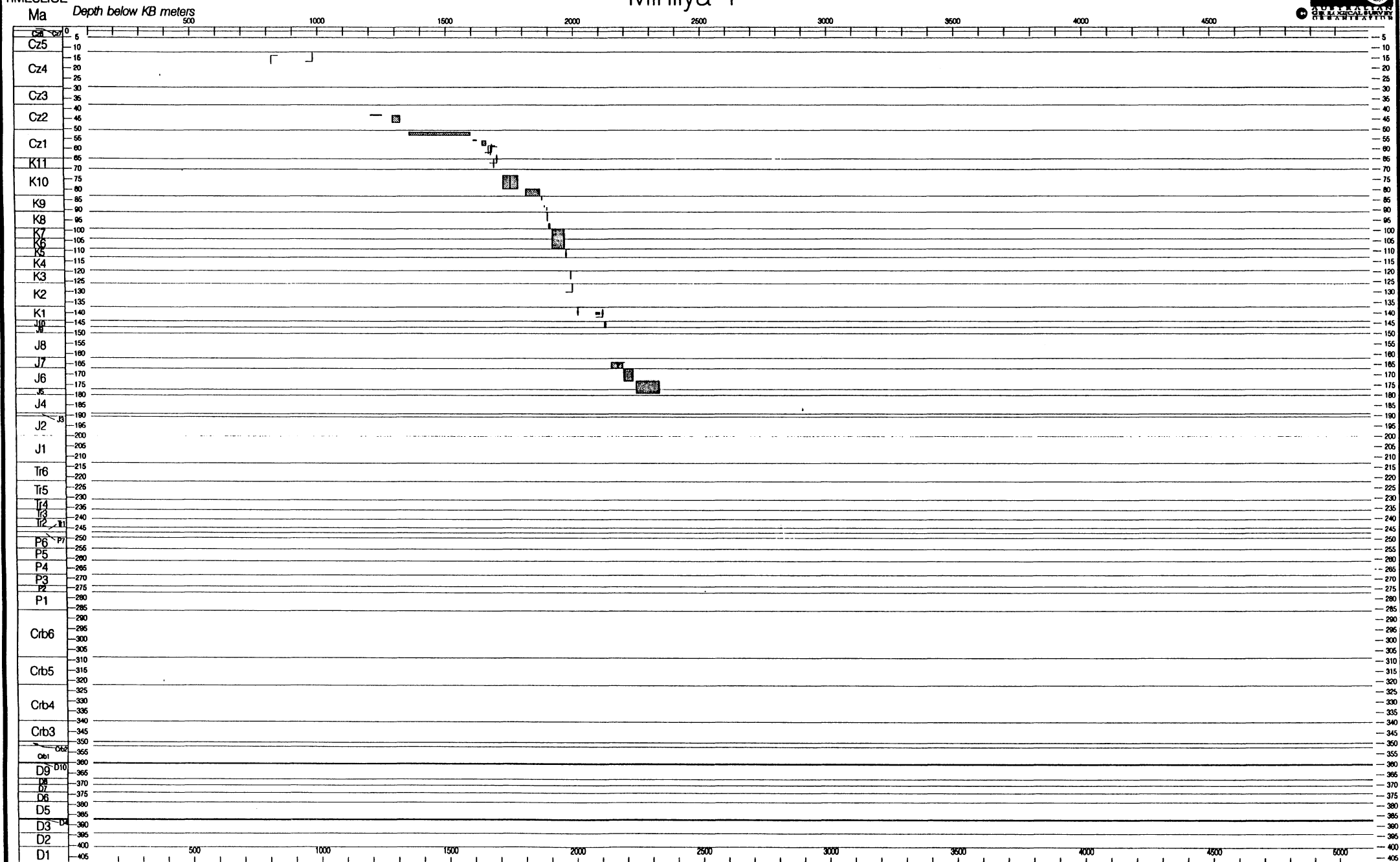


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TIMESLICE

Minilya 1



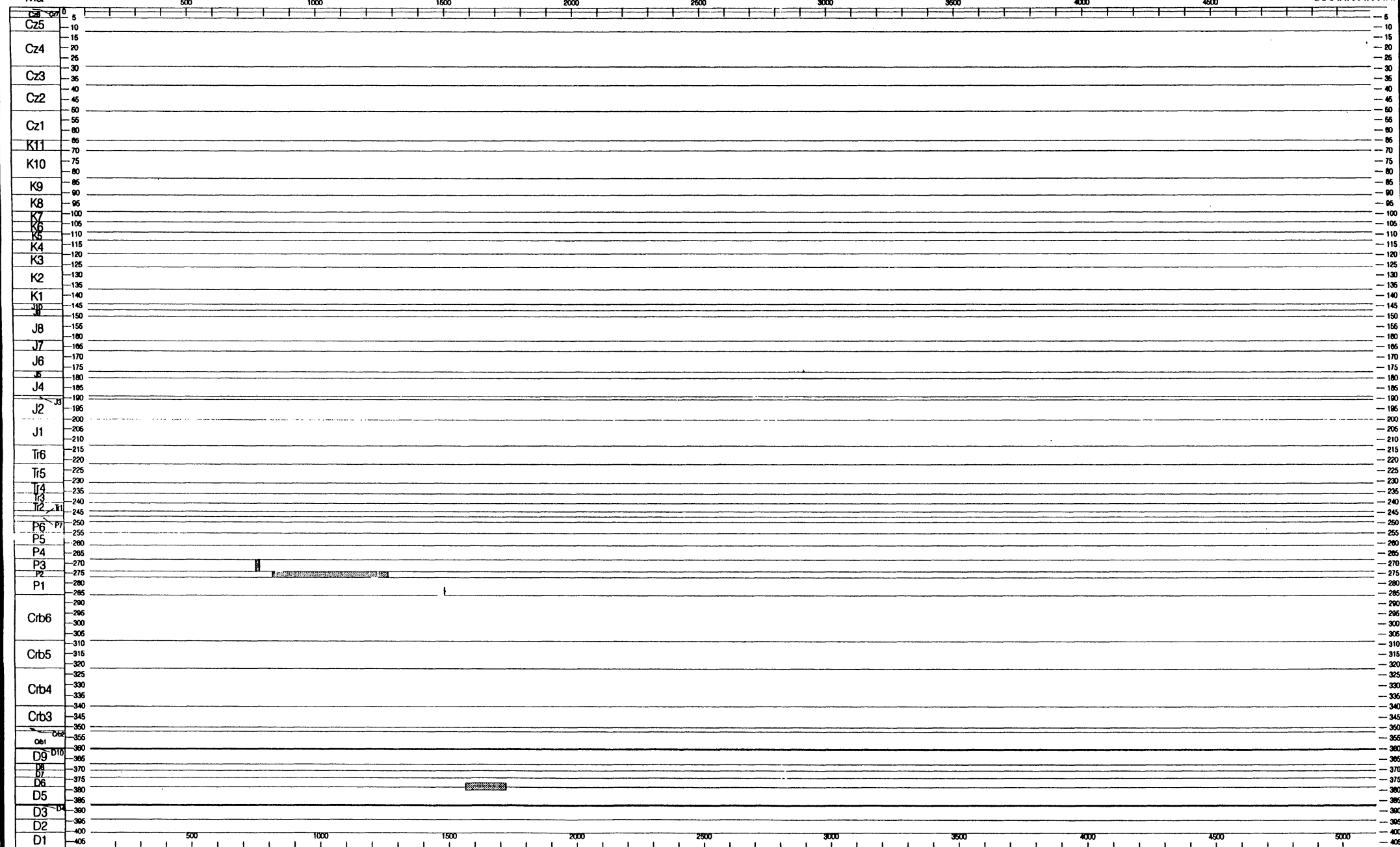
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TIMESLICE

Minjin 1

Ma Depth below KB meters

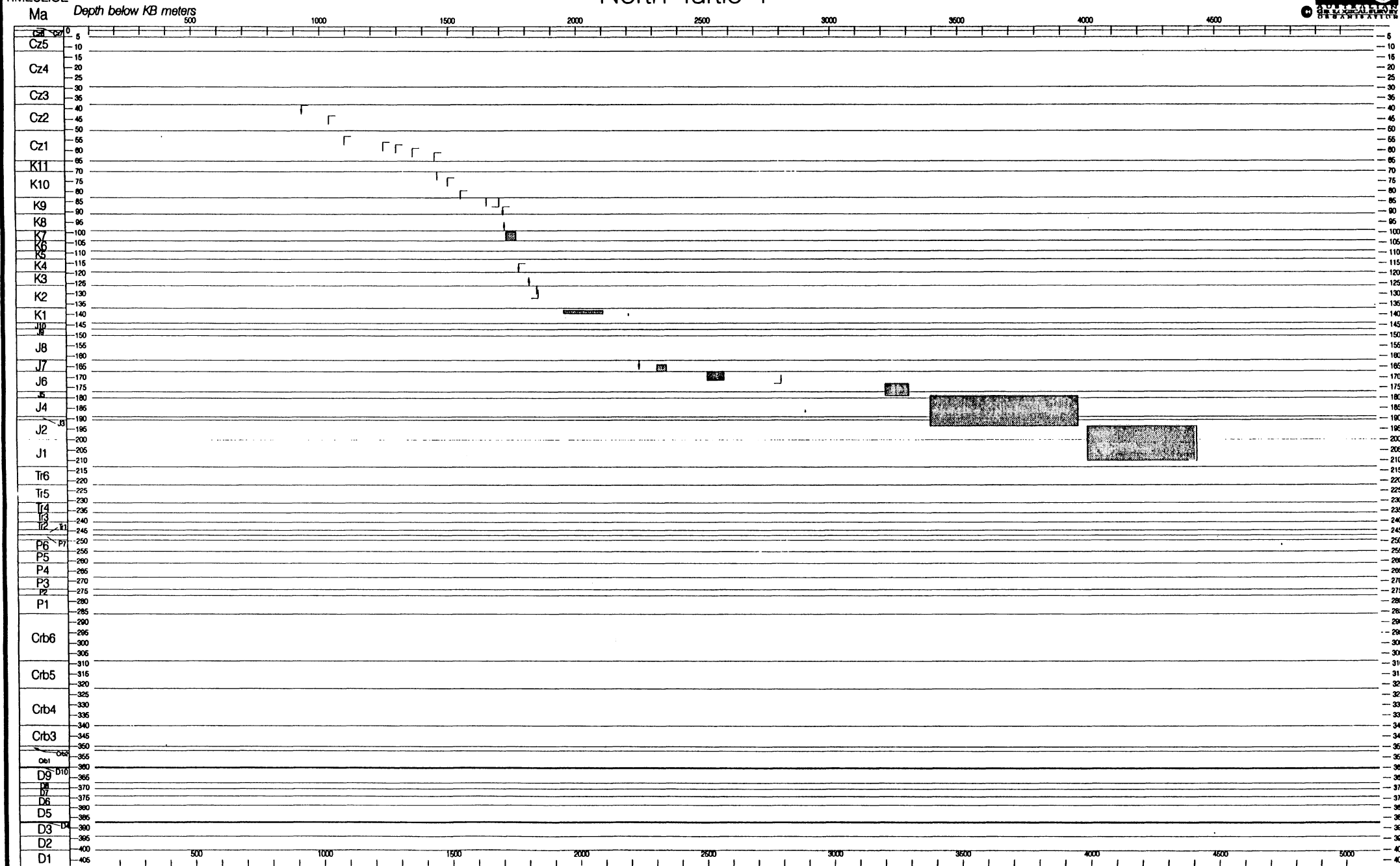


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TIMESLICE

North Turtle 1

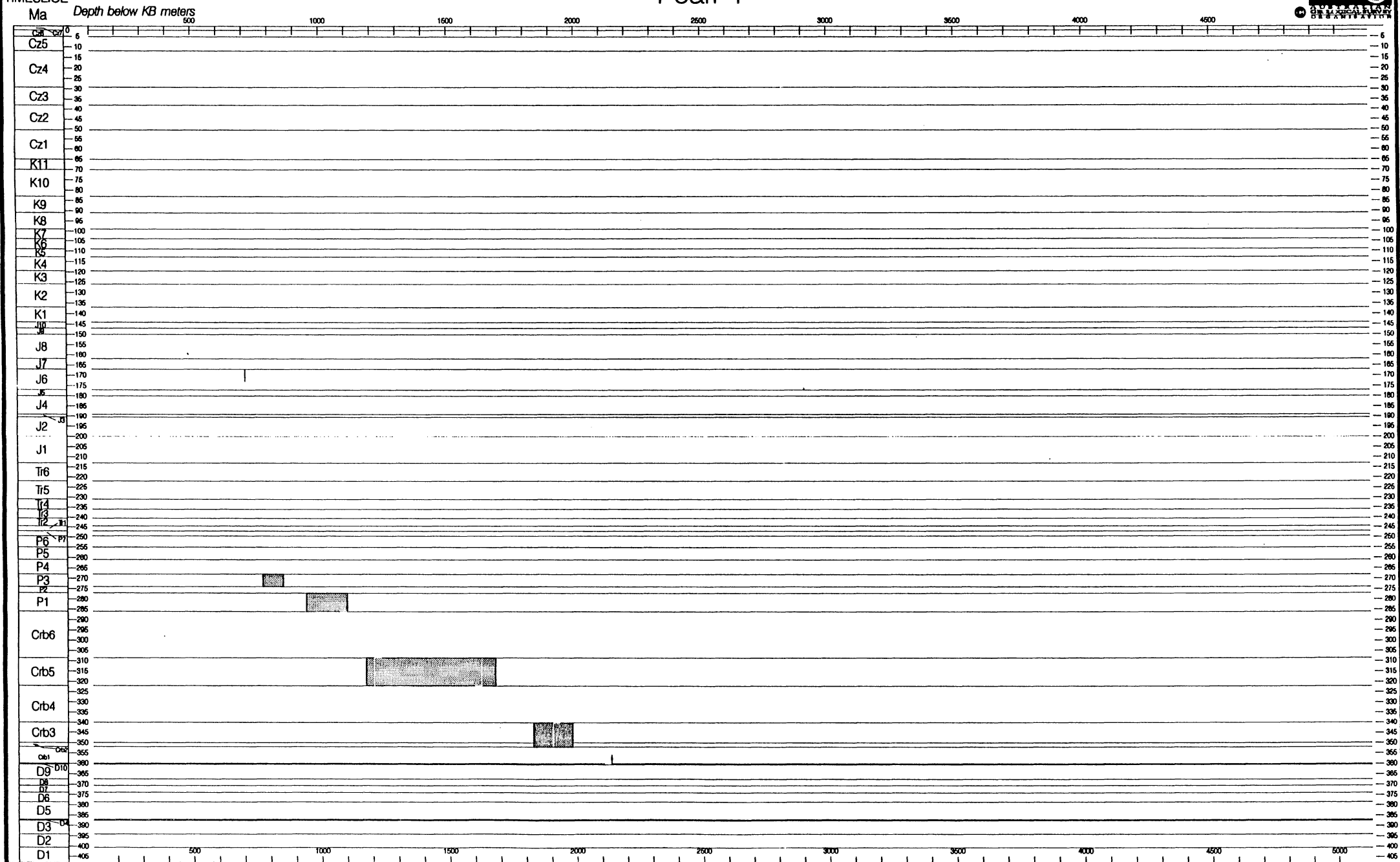


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Pearl 1

TIMESLICE

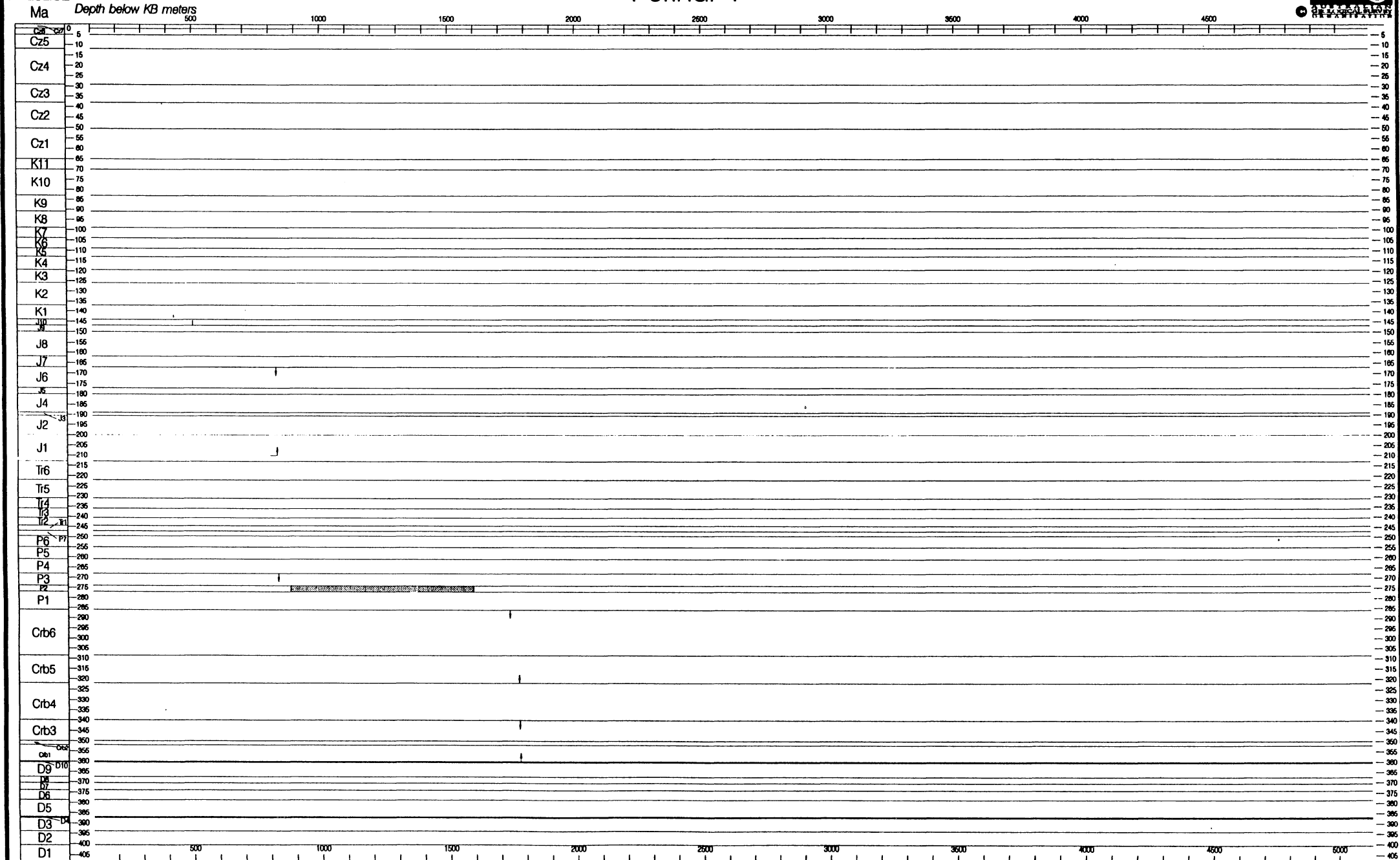


ROEBUCK AND OFFSHORE CANNING BASINS - BEAGLE SUB-BASIN MODULE 1995



Perindi 1

TIMESLICE



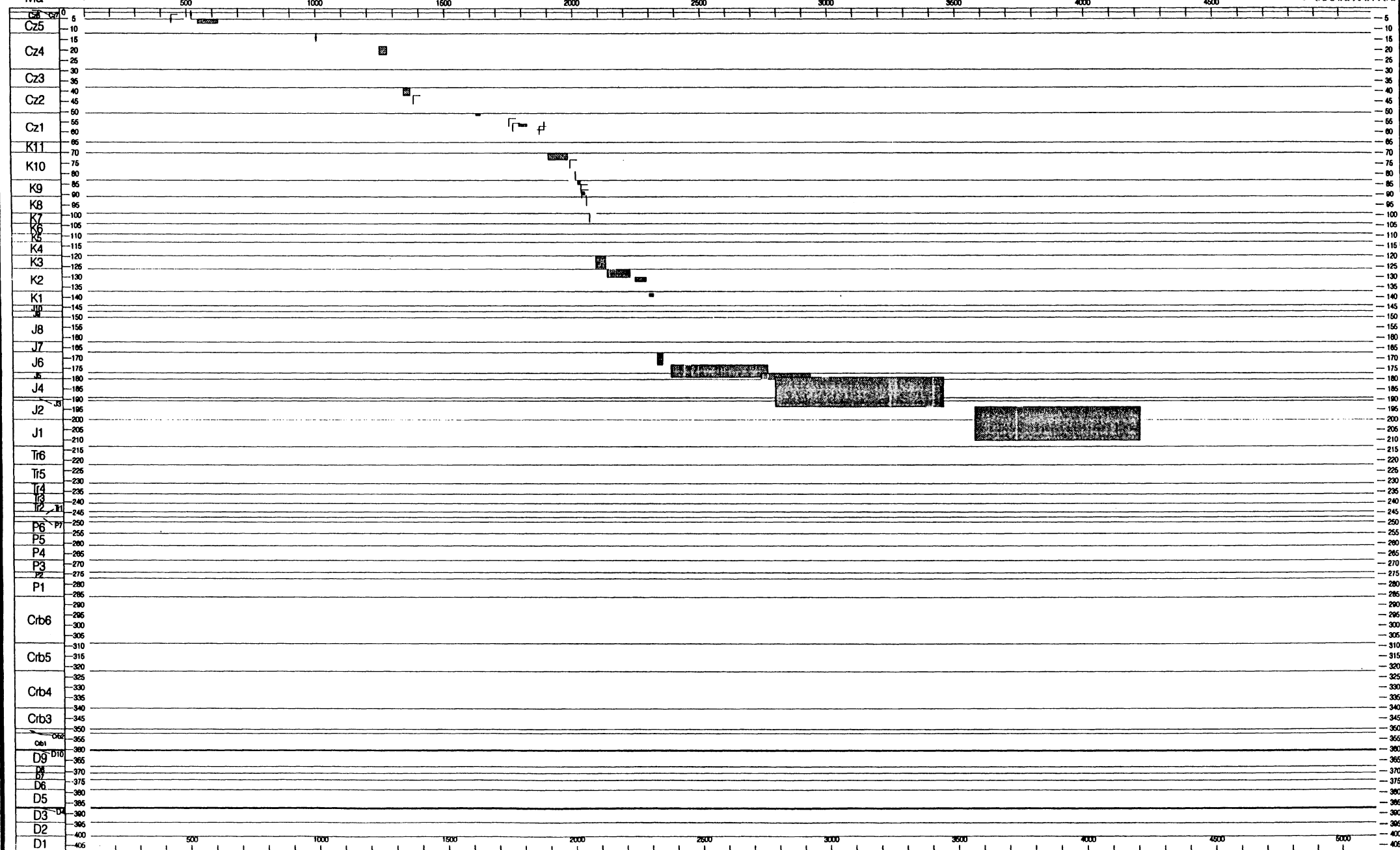
ROEBUCK AND OFFSHORE CANNING BASINS - BEAGLE SUB-BASIN MODULE 1995



TIMESLICE

Picard 1

Ma Depth below KB meters

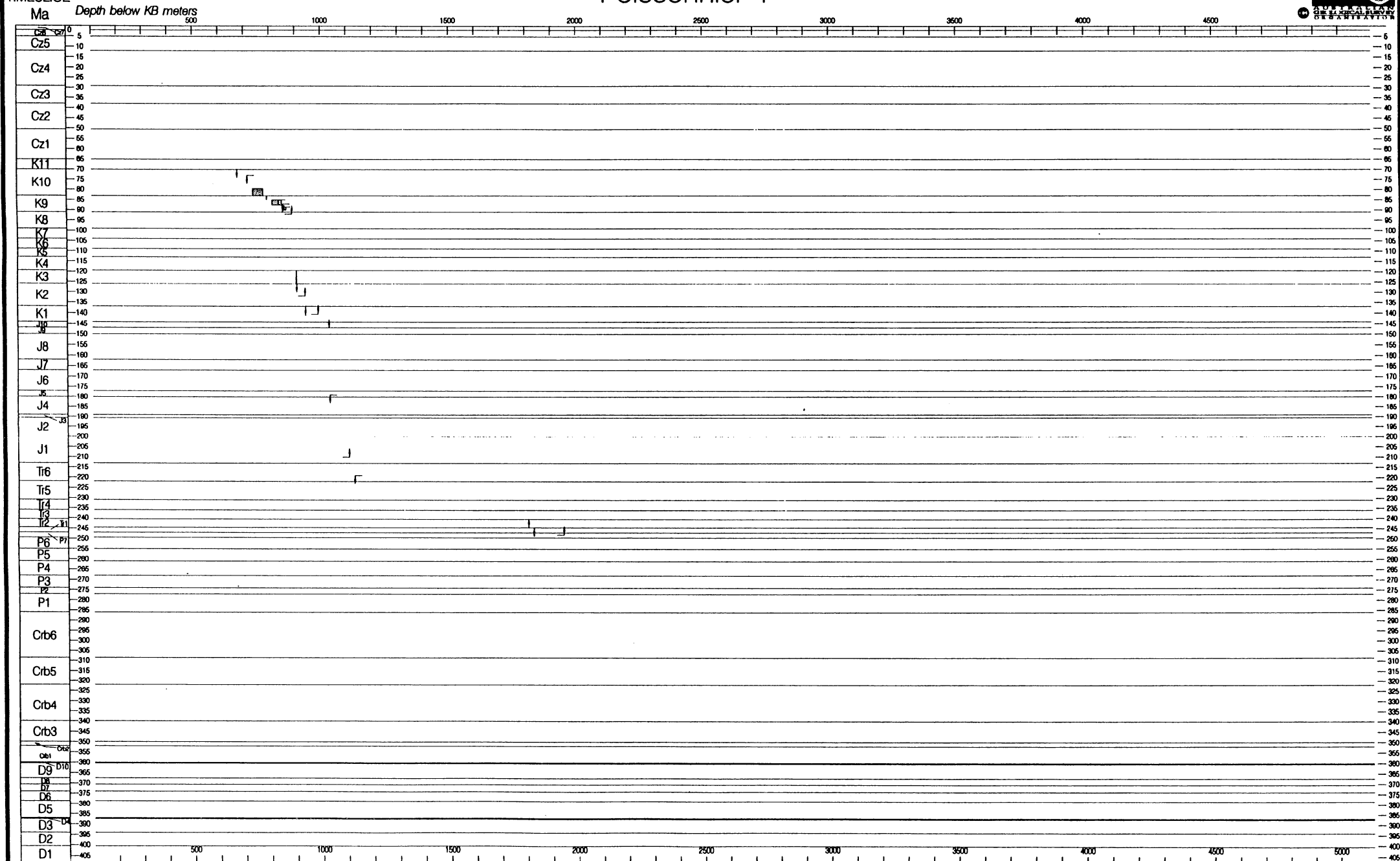


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TIMESLICE

Poissonnier 1

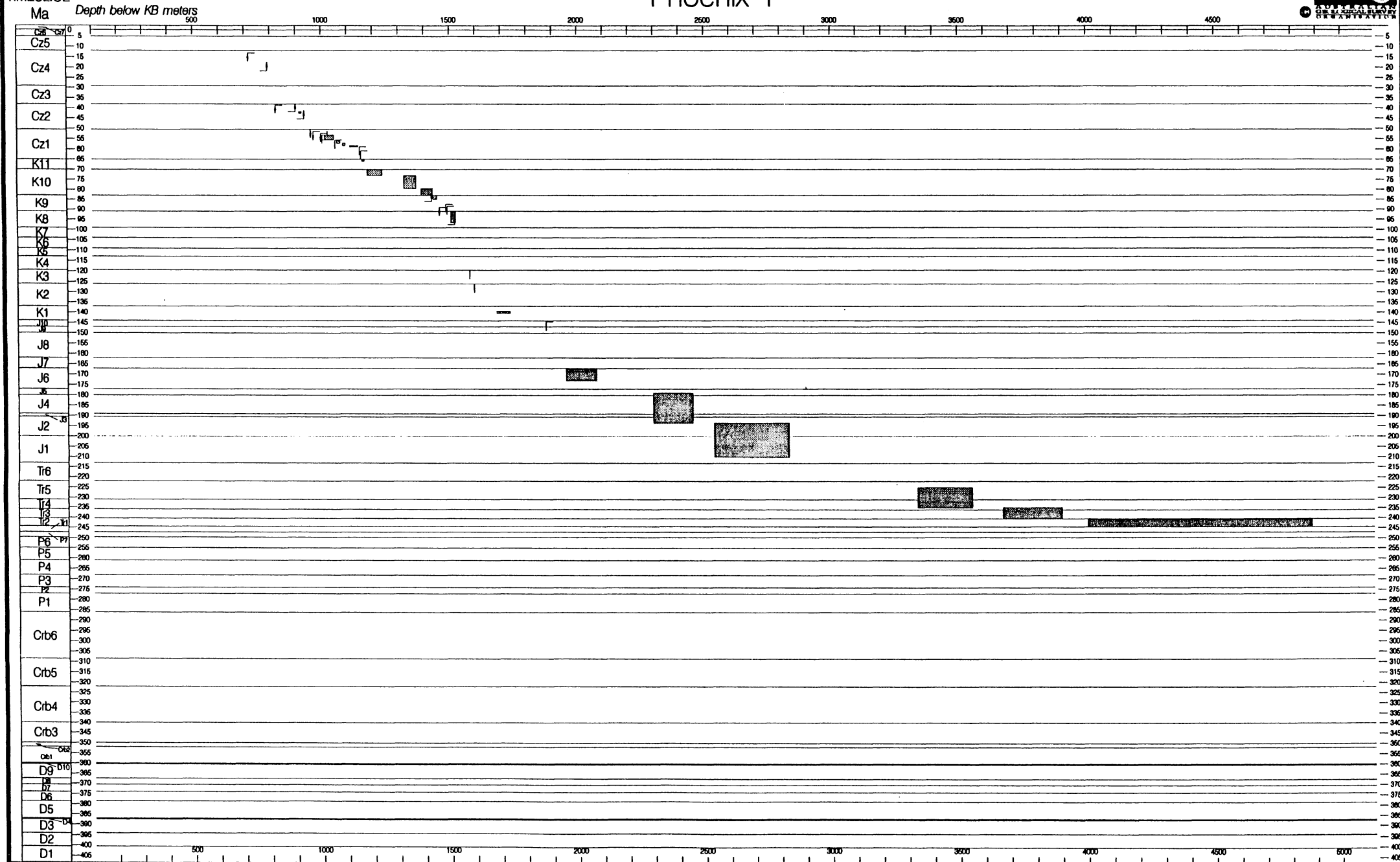


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TIMESLICE

Phoenix 1

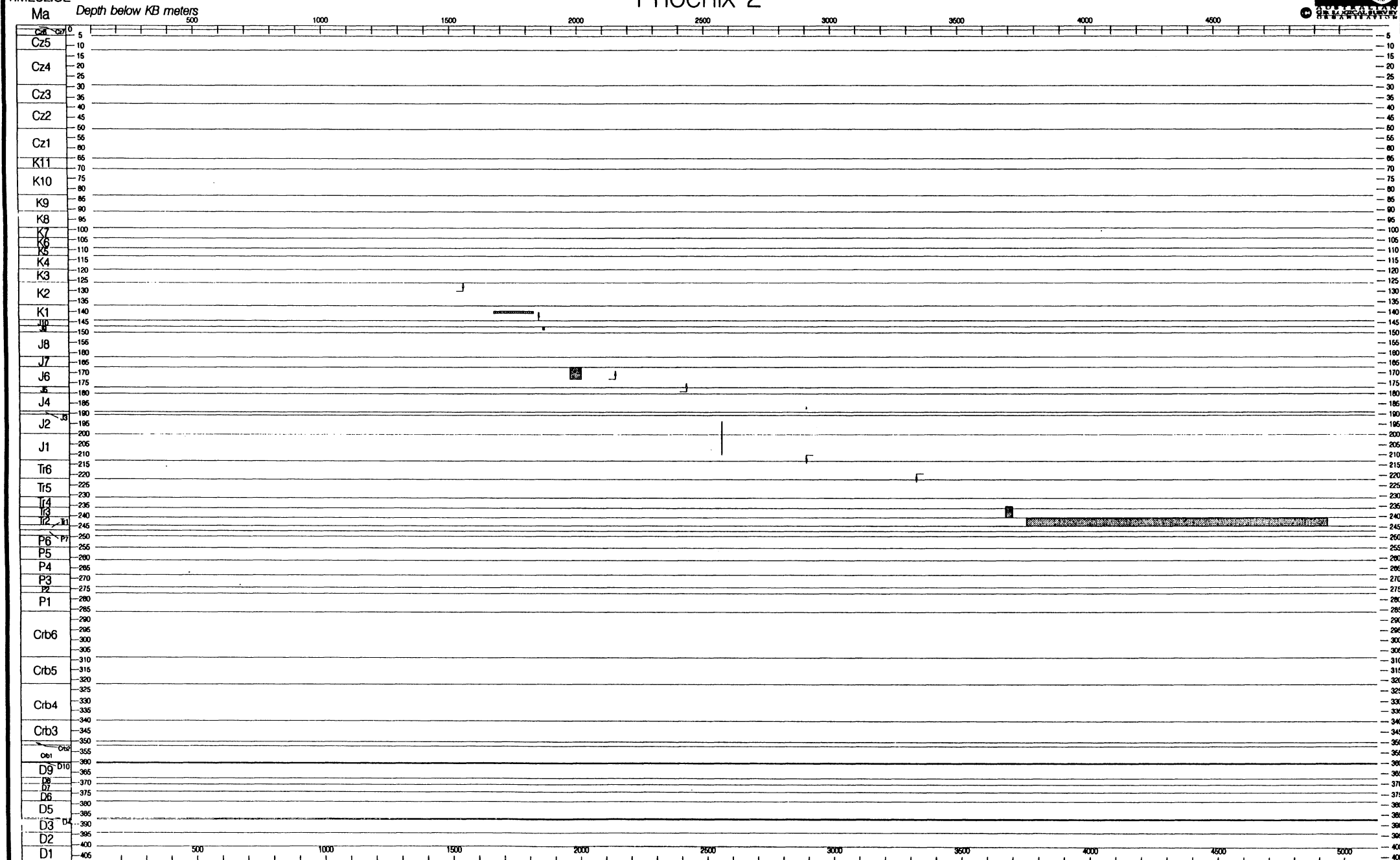


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TIMESLICE

Phoenix 2

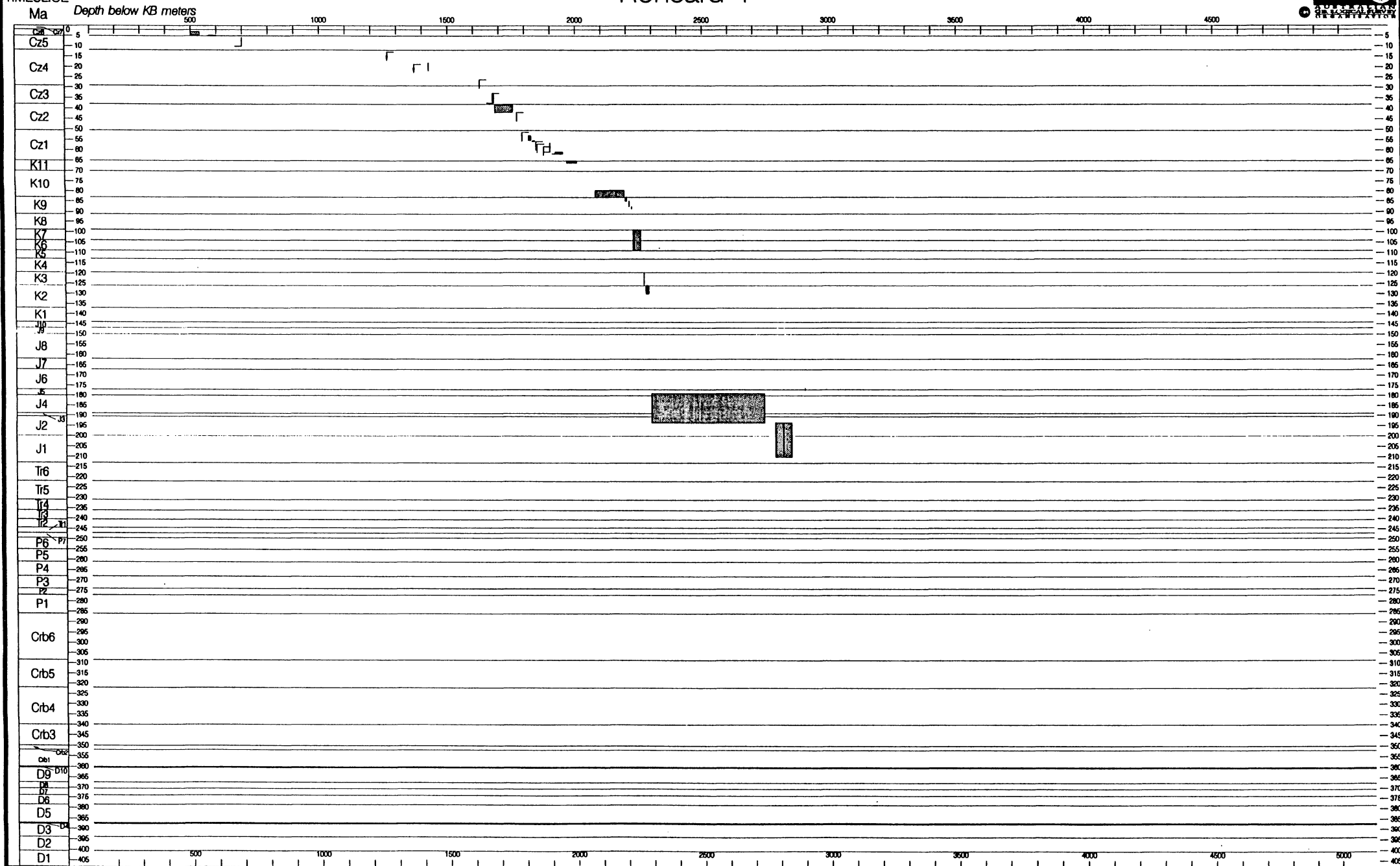


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Ronsard 1

TIMESLICE

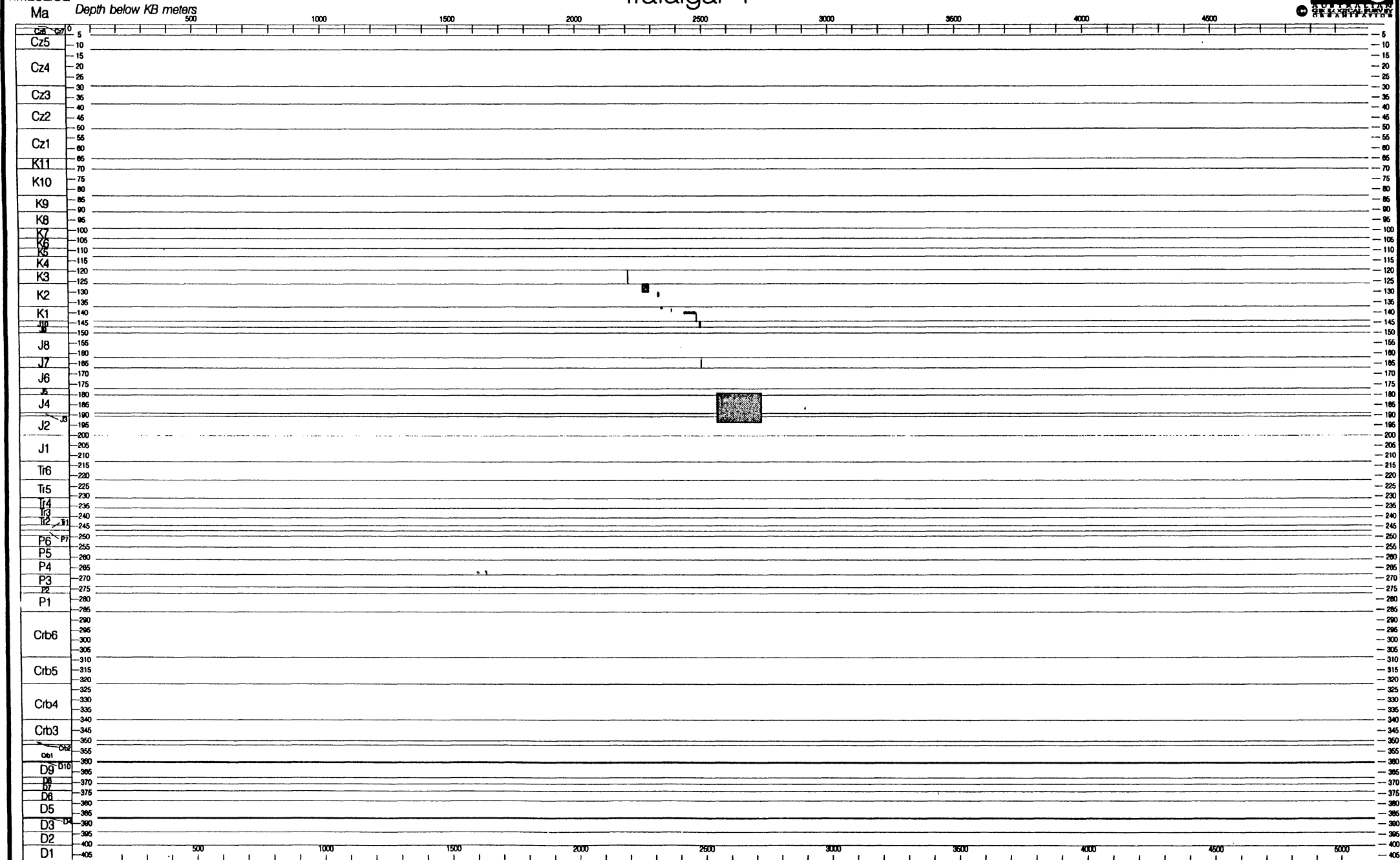


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TIMESLICE

Trafalgar 1

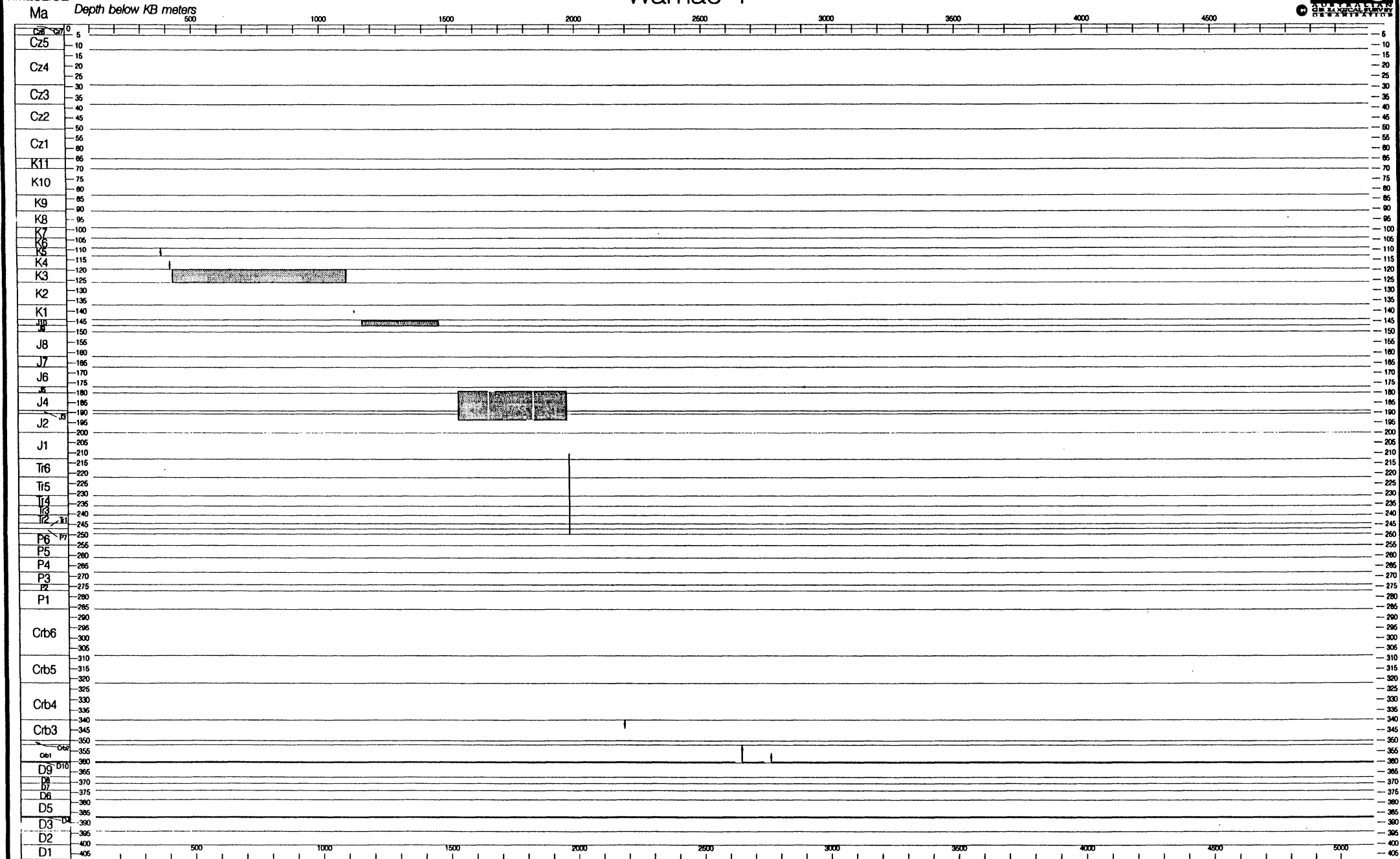


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TIMESLICE

Wamac 1





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BASIN MODULE

APPENDIX 4

RESFACS DATABASE

POROSITY DATA

PERMEABILITY DATA

COMPLETE HYDROCARBON SHOWS DATA

PALAEOENVIRONMENTAL DATA

TABLE OF SHOW CODES

CODE NAME	REMARK
C3	condensate show, condensate flowed on test.
C4	potential condensate zone, condensate show with convincing log anomaly or other indication.
C5	proven condensate zone, sustained condensate flow on test, or RFT & log anomaly or pressure data proving an accumulation (no economic implications).
DHI	direct hydrocarbon indicator seismic shows amplitude anomaly, flat spot, etc over well.
G1	gas indication anomalously high gas reading
G2	strong gas indication anomalously high gas reading and other indication. eg from core, logs, or shakers
G3	gas show gas flowed on test
G4	potential gas zone gas show with convincing log anomaly or other indication
G5	proven gas zone sustained gas flow on test, or RFT & log anomaly proving an accumulation (no economic implications)
L1	oil indication fluorescence or cut
L2	strong oil indication fluorescence or cut & other oil indication. eg log anomaly
L3	oil show oil recovered from core, test, mud
L4	potential oil zone oil show with convincing oil anomaly
L5	proven oil zone oil flow on test, or RFT & log anomaly proving an accumulation (no economic implications)
NR	no returns - lost circulation
NS	no show

TABLE OF AUTHOR, ENVIRONMENT, LANDFORM & DATA SOURCE CODES

Type :

A = Author

E = Environment

L = Landform

S = Data Source

Type	CODE	NAME
A	WCR	well completion report
A	OPER	operator
A	CLAB	Corelab
A	GSER	Geoservices
A	AGSO	Australian Geological Survey Organisation
A	OTR	other (unspecified)
A	BOCL	Bocal
A	XLOG	Exlog
A	WOOD	Woodside
A	SCHL	Schlumberger
A	ACOR	Auscore
A	SNPA	Societe Nationale Des Petroles D'Aquitaine
A	PSI	Petroleum Service Incorporated
A	BPR	BP Research
A	SHEL	Shell
A	KOBE	Kobe Amdel/Woodside
A	OBER	Oberon
A	NORC	Norcon
A	CTEK	Core Teck
A	GEAH	Gearhart
A	ELF	Elf Aquitane
A	CSA	Core Services of Australia
A	BHPP	BHP Petroleum
A	ROBR	Robertson Research
A	BMR	Bureau Mineral Resources (AGSO)
A	AMDL	AMDEL
A	ALAB	Analab
E	LEU	land-unclassified
E	LDP	land-playa
E	LDFL	land-fluvial-lacustrine
E	LDL	land-lacustrine
E	LDFM	land-meandering
E	LDFB	land-braided
E	LDF	land-fluvial
E	LUD	land-unclassified depositional
E	LEE	land-erosional
E	IGN	igneous body
E	UNKN	unknown/no data
E	CDDP	coastal-pro delta
E	CDDL	coastal-lower delta plain
E	CDDU	coastal-upper delta plain
E	CDD	coastal-deltaic
E	CDIS	coastal-intertidal/supratidal

E	CDP	coastal-paralic
E	LDG	land-glacial
E	LDA	land-aeolian
E	CSFM	middle shoreface
E	CSFU	upper shoreface
E	CSFL	lower shoreface
E	CSF	shoreface
E	CDDF	delta front
E	MA	marine-abyssal
E	MBA	marine-bathyal to abyssal (>200m)
E	MVS	marine-very shallow (0-20m)
E	MS	marine-shallow (0-200m)
E	MSS	marine-starved shelf
E	MU	marine-unclassified
E	CDE	coastal-estuarine
L	V	volcano
L	SML	submarine levee
L	IDB	interdistributary bay
L	SMB	stream mouth bar
L	BR	beach ridge
L	B	beach
L	S	swale
L	D	dune
L	P	pond
L	TFD	turbidite fan distal
L	TFM	turbidite fan mid
L	TFP	turbidite fan proximal
L	R	reef
L	RB	reef back
L	RF	reef front
L	RT	reef toe
L	FD	fan distal
L	WOF	wash over fan
L	DFS	delta front sequence
L	TFC	turbidite fan complex
L	OD	overbank deposit
L	MFD	mixed fan distal
L	GD	glacial deposit
L	DC	distributary channel
L	CSHO	continental shelf outer
L	CSHM	continental shelf middle
L	CSHI	continental shelf inner
L	BB	barrier bar
L	AP	abyssal plain
L	TF	turbidite fan
L	CSL	continental slope
L	CSH	continental shelf
L	FM	fan mid
L	FP	fan proximal
L	F	fan
L	BI	barrier island
L	OB	offshore bar
L	LA	lagoon
L	M	marsh

L	CE	chenier
L	MF	mud flat
L	SF	salt flat
L	LD	lacustrine delta
L	BS	backswamp
L	CS	crevasse splay
L	LE	levee
L	AC	abandoned channel
L	PB	point bar
L	C	channel
L	AF	alluvial fan
L	AFT	alluvial fan toe
L	AFS	alluvial fan sheet flow
L	AFD	alluvial fan debris flow
L	VM	volcanics mixed
L	LF	lava field
S	ALL	All data (≥ 3)
S	GSDE	total gas detector
S	GSCR	gas chromatography
S	GSCU	cuttings gas
S	LC	computer generated log analysis
S	LCDN	computer generated from density & neutron logs
S	LDN	density & neutron logs
S	LCS	computer generated from sonic log
S	LCN	computer generated from neutron log
S	LCD	computer generated from density log
S	TSFT	pre-test steady state spherical flow pressure test
S	LOGP	dipmeter log
S	LOGG	gamma ray log
S	PALY	palaeontological
S	LOGD	density log
S	LOG	log (undifferentiated)
S	LOGR	resistivity log
S	WCR	well completion report
S	CORE	core
S	SWC	sidewall core
S	CUTT	cuttings
S	JSS	junk subsample
S	LOGM	mud log
S	LOGE	electric log
S	LOGS	sonic log
S	LOGN	neutron log
S	TEST	test
S	TRFT	repeat formation test
S	TDST	drillstem test
S	TFIT	formation interval test
S	TPRD	production
S	MUDP	mud pit/shakers
S	SEIS	seismic

RESFACS DATABASE

Bedout 1 -18.244444 119.389611 Bedout Sub-basin
 PEDIN/File numbers: W6710010 71/435

Canning Basin

13/05/95

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	ENVIRONMENT Env Lndfm	
172.00	442.10	10.30															MVS	R
442.10	492.40	10.30															MVS	R
492.40	615.90	12.22															MVS	RB
615.90	642.50	17.50															CDIS	MF
642.50	771.30	38.07															MVS	RF
771.30	794.00	59.68															MVS	RB
794.00	1000.00	65.00															MS	CSH
1000.00	1064.00	69.75															MVS	RF
1064.00	1112.20	83.00															MS	CSHM
1112.20	1125.00	89.37															MS	CSHM
1125.00	1259.00	91.00															MSS	CSHM
1259.00	1304.90	119.00															MS	CSHM
1304.90	1390.00	120.92															MS	CSHM
1390.00	1420.00	125.00															MS	CSHM
1420.00	1464.60	137.00															MS	CSHM
1464.60	1525.60	137.81															MS	TF
1525.60	1612.80	138.92															MS	TF
1612.80	1648.20	139.84															MVS	
1648.20	1798.00	140.06															CDDL	C
1798.00	1801.20	155.50															MVS	
1801.20	1807.90	167.12															CDDU	C
1807.90	1828.00	167.38															CDDU	PB
1828.00	1832.90	168.16															CDDU	C
1832.90	1835.40	168.35															CDP	D
1835.40	1850.00	168.45															CDP	D
1850.00	1853.70	169.02															CDIS	BR
1853.70	1857.30	169.16															CDDU	PB
1857.30	1878.70	169.30															CDIS	BR
1878.70	1886.00	170.13															CDDU	C
1886.00	1903.00	170.41															CDDU	AC
1903.00	1914.00	171.07															CDDU	C
1914.00	1920.70	171.50															CDIS	BR
1920.70	1939.60	171.76															CDDU	C
1939.60	1956.70	172.49															CDDU	PB
1956.70	1962.20	173.15															CDIS	BR
1962.20	1966.50	173.36															LDFM	C
1966.50	1972.30	173.53															LDFM	AC
1972.30	1976.80	173.76															LDFM	CS
1976.80	1978.70	173.93															LDFM	PB
1978.70	2006.10	174.00															LDFM	AC
2006.10	2011.00	175.07															LDFM	PB
2011.00	2065.90	175.26															LDFM	C
2065.90	2081.70	177.14															LDFM	PB
																	LDFM	C

RESFACS DATABASE

13/05/95

2081.70	2084.80	177.37	177.42
2084.80	2089.60	177.42	177.49
2089.60	2094.50	177.49	177.56
2094.50	2103.40	177.56	177.69
2103.40	2112.20	177.69	177.82
2112.20	2117.40	177.82	177.89
2117.40	2125.90	177.89	178.02
2125.90	2129.90	178.02	178.08
2129.90	2147.60	178.08	178.33
2147.60	2160.40	178.33	178.52
2160.40	2164.60	178.52	178.58
2164.60	2172.60	178.58	178.70
2172.60	2181.10	178.70	178.82
2181.10	2197.00	178.82	179.05
2197.00	2228.70	179.05	179.52
2228.70	2262.00	179.52	180.00
2232.30	2379.90	179.57	186.80
2262.00	2279.30	180.00	181.00
2279.30	2304.90	181.00	182.48
2304.90	2332.30	182.48	184.06
2379.90	2418.00	186.80	189.00
2418.00	2437.80	189.00	189.51
2437.80	2442.10	189.51	189.62
2442.10	2476.00	189.62	190.50
2476.00	2487.80	190.50	191.60
2487.80	2507.90	191.60	193.17
2507.90	2514.00	193.17	193.49
2514.00	2517.10	193.49	193.65
2517.10	2527.40	193.65	194.12
2527.40	2536.60	194.12	194.50
2536.60	2548.20	194.50	194.97
2548.20	2552.70	194.97	195.16
2552.70	2564.60	195.16	195.64
2564.60	2566.80	195.64	195.73
2566.80	2572.00	195.73	195.95
2572.00	2579.30	195.95	196.25
2579.30	2586.00	196.25	196.52
2586.00	2590.90	196.52	196.72
2590.90	2593.30	196.72	196.82
2593.30	2598.20	196.82	197.02
2598.20	2600.00	197.02	197.09
2600.00	2605.50	197.09	197.32
2605.50	2613.40	197.32	197.64
2613.40	2618.90	197.64	197.87
2618.90	2626.20	197.87	198.17
2626.20	2636.00	198.17	198.57
2636.00	2642.70	198.57	198.84
2642.70	2656.70	198.84	199.41
2656.70	2667.70	199.41	199.86

CDDL	IDB
CDDU	PB
CDDL	IDB
CDDU	PB
CDIS	BR
CDDU	PB
CDIS	BR
CDDU	PB
CDIS	BR
CDDU	PB
LDFM	AC
LDFM	C
LDFM	PB
LDFM	AC
LDFM	PB
LDFB	C
LDFM	C
LDFB	AC
LDFB	C
LDFM	AC
LDFM	PB
LDFM	BS
LDFM	C
LDFM	BS
CDDL	IDB
CDDU	PB
CDDL	DC
CDDL	DC
CDDL	IDB
CDDL	DC
CDDL	DC
CDDL	C
CDDL	IDB
CDDU	BS
CDDU	PB
CDDL	DC
CDDL	C
CDDF	
CDDP	
CDDL	DC
CDDL	C
CDDF	
LDFM	BS
LDFM	BS
LDFM	PB
LDFM	C
LDFM	PB
LDFM	C
LDFM	BS

RESFACS DATABASE

13/05/95

2667.70 2671.00 199.86 200.00
 2671.00 2699.40 200.00 201.31
 2699.40 2704.30 201.31 201.53
 2704.30 2709.80 201.53 201.79
 2709.80 2724.40 201.79 202.46
 2724.40 2737.50 202.46 203.06
 2737.50 2764.00 203.06 204.29
 2764.00 2800.00 204.29 205.95
 2800.00 2812.20 205.95 206.51
 2812.20 2866.50 206.51 209.01
 2866.50 2885.40 209.01 209.88
 2885.40 2888.00 209.88 224.00
 2888.00 2895.10 224.00 235.31
 2895.10 2914.00 235.31 236.13
 2914.00 2919.50 236.13 236.37
 2919.50 2939.60 236.37 237.24
 2939.60 2954.30 237.24 237.88
 2954.30 2958.50 237.88 238.07
 2958.50 2967.70 238.07 238.47
 2967.70 2974.40 238.47 238.76
 2974.40 2980.00 238.76 239.00
 2980.00 2992.10 239.00 240.11
 2992.10 2997.00 240.11 240.56
 2997.00 3012.50 240.56 241.97
 3012.50 3015.20 241.97 242.16
 3015.20 3021.00 242.16 242.75
 3021.00 3073.00 242.75 246.93

LDFM C
 LDFM BS
 LDFM CS
 LDFM C
 LDFM PB
 LDFM BS
 LDFM PB
 LDFM BS
 LDFM BS
 LDFM BS
 LDFM PB
 CDDU CS
 CDDU PB
 CDDL IDB
 CDDL DC
 CDDL IDB
 CDDU PB
 CDDL IDB
 CDDL DC
 CDDL IDB
 CDDL DC
 LDFM PB
 LDFM BS
 LDFM C
 LDFM BS
 LDFM C
 IGN

Statistics		-----Ages-----	--SHOWS--	-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT								
top	base	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	172.00																			
Max	3073.00	246.93																		
No.	119	118																	119	113
Mean																				

RESFACS DATABASE

13/05/95

Bruce 1 -19.375407 117.92825 Beagle Sub-basin
PEDIN/File numbers: W6790009 79/536

Carnarvon Basin

top (m)	base (m)	-----Ages----- (Harland ma)	--SHOWS-- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
97.50	335.00	17.35															MS	
335.00	425.00	17.35															MS	
425.00	935.00	29.09															MVS	
935.00	973.00	84.89															MVS	
973.00	991.00	87.87															MVS	
991.00	1002.00	88.39															MS	CSH
1002.00	1020.00	115.40															MS	CSH
1020.00	1036.00	119.00															MS	CSHM
1036.00	1039.00	124.05															MS	CSHM
1039.00	1048.00	131.00															CDDF	
1048.00	1061.00	183.00															CDE	C
1048.00	1640.00	183.00																
1061.00	1065.00	222.43																
1065.00	1076.00	222.57															CDE	PB
1076.00	1091.00	222.93															CDE	
1091.00	1103.00	223.43															CDIS	MF
1103.00	1130.00	223.83															CDIS	C
1130.00	1139.00	224.73															CDIS	MF
1139.00	1158.00	225.02															CDIS	WOF
1158.00	1177.00	225.33															CDIS	BR
1177.00	1189.00	225.64															CSFU	AC
1189.00	1207.00	225.84															CSFM	
1207.00	1215.00	226.13															CDDL	DC
1215.00	1227.00	226.27															CDDL	IDB
1227.00	1243.00	226.46															CDDL	DC
1243.00	1260.00	226.73															CDDL	IDB
1260.00	1264.00	227.01															CDDU	C
1264.00	1272.00	227.07															CDDU	CS
1272.00	1302.00	227.20															CDDU	LA
1302.00	1309.00	227.70															CDDU	PB
1309.00	1323.00	227.81															CDDL	DC
1323.00	1339.00	228.04															CDDF	
1339.00	1373.00	228.30															CDDL	IDB
1373.00	1384.00	228.86															CDDU	PB
1384.00	1387.00	229.04															CDDU	AC
1387.00	1403.00	229.09															CDDU	PB
1403.00	1411.00	229.36															CDDU	C
1411.00	1433.00	229.49															CDDU	PB
1433.00	1444.00	229.85															CDDU	PB
1441.00	1463.00	229.98															CDDL	C
1444.00	1458.00	230.03																
1458.00	1477.00	230.26															CDDU	BS
1477.00	1503.00	230.57															CDDL	DC
																	CDDL	IDB

20.00 30.00 LOGE OPER

L1 LOGM

RESFACS DATABASE

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1503.00	1544.00	231.00	231.87
1544.00	1548.00	231.87	231.95
1548.00	1554.00	231.95	232.08
1554.00	1571.00	232.08	232.44
1571.00	1577.00	232.44	232.57
1577.00	1590.00	232.57	232.84
1590.00	1603.00	232.84	233.12
1603.00	1616.00	233.12	233.39
1616.00	1624.00	233.39	233.56
1624.00	1640.00	233.56	233.90
1640.00	1677.00	233.90	234.68
1677.00	1705.00	234.68	235.00
1694.00	1700.00	235.00	235.00
1696.50		235.00	
1700.00	1870.00	235.00	235.90
1700.00		235.00	
1705.00	1729.00	235.00	235.00
1707.00		235.00	
1707.50		235.00	
1708.00		235.00	
1708.50		235.00	
1709.00		235.00	
1709.50		235.00	
1710.00		235.00	
1710.50		235.00	
1711.00		235.00	
1711.50		235.00	
1729.00	1761.00	235.00	235.00
1761.00	1766.00	235.00	235.00
1766.00	1784.00	235.00	235.00
1784.00	1807.00	235.00	235.00
1807.00	1817.00	235.00	235.14
1817.00	1829.00	235.14	235.32
1829.00	1843.00	235.32	235.52
1843.00	1847.00	235.52	235.57
1847.00	1855.00	235.57	235.69
1855.00	1862.00	235.69	235.79
1862.00	1865.00	235.79	235.83
1865.00	1869.00	235.83	235.89
1869.00	1875.00	235.89	235.97
1870.00	2169.00	235.90	242.56
1875.00	1899.00	235.97	236.32
1899.00	1901.00	236.32	236.35
1901.00	1908.00	236.35	236.45
1908.00	1912.00	236.45	236.51
1912.00	1925.00	236.51	236.69
1925.00	1934.00	236.69	236.82
1934.00	1939.00	236.82	236.89
1939.00	1947.00	236.89	237.01

L2 SWC 24.50

L2 LOGM

27.90
28.10
27.00
29.90
30.60
31.20
20.80
23.40
18.70
14.80

15.00 20.00 LOGE OPER
CORE CLAB
20.00 30.00 LOGE OPER

CORE CLAB 1000.0
CORE CLAB 1555.0
CORE CLAB 1373.0
CORE CLAB 505.0
CORE CLAB 437.0
CORE CLAB 492.0
CORE CLAB 167.0
CORE CLAB 592.0
CORE CLAB 882.0
CORE CLAB 417.0

15.00 25.00 LOGE OPER

CDDL IDB
CDDF SMB
CDDL DC
CDDU BS
CDDF SMB
LDFM PB
LDFM AC
LDFM PB
LDFM AC
LDFM PB
CDE
CDIS MF

LDFM PB

CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB
CORE CLAB

CDDF SMB
LDFM C
LDFM PB
LDFM C
CDDU AC
CDDU C
CDDF SMB
LDFM C
LDFM PB
LDFM C
LDFM PB
LDFM C
LDFM BS

CDDU BS
LDFM C
LDFM C
LDFM OB
LDFM PB
LDFM PB
LDFM C
LDFM PB

RESFACS DATABASE

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1947.00 1980.00 237.01 237.48
 1980.00 1990.00 237.48 237.62
 1990.00 1993.00 237.62 237.67
 1993.00 2009.00 237.67 237.90
 2009.00 2013.00 237.90 237.95
 2013.00 2021.00 237.95 238.07
 2021.00 2029.00 238.07 238.18
 2029.00 2045.00 238.18 238.41
 2045.00 2051.00 238.41 238.50
 2051.00 2054.00 238.50 238.54
 2054.00 2058.00 238.54 238.60
 2058.00 2064.00 238.60 238.68
 2064.00 2069.00 238.68 238.76
 2069.00 2074.00 238.76 238.83
 2074.00 2082.00 238.83 238.94
 2082.00 2086.00 238.94 239.00
 2086.00 2093.00 239.00 240.58
 2093.00 2117.00 240.58 241.18
 2117.00 2169.00 241.18 242.56

LDFM C
 LDFM PB
 CDDU C
 CDDU CS
 CDDU PB
 CDDL DC
 CDDL IDB
 CDDF SMB
 CDDL DC
 CDDL IDB
 CDDL DC
 CDDF SMB
 CDDU PB
 CDDF SMB
 CDDU PB
 CDDF SMB
 CDDL IDB
 CDDF
 CDDP

Statistics		---Ages---		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----						ENVIRONMENT						
top	base	(m)	(m)	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
Min	97.50							14.80		15.00	20.00			167.0								
Max	2169.00	242.56						31.20		20.00	30.00			1555.0								
No.	111	110				3	3	11		4	4	15	15	10					10	10	94	82
Mean								25.17		17.50	26.25			742.0								

RESFACS DATABASE

13/05/95

Depuch 1 -18.835178 117.921931 Beagle Sub-basin
PEDIN/File numbers: W6740002 73/283

Carnarvon Basin

top (m)	base (m)	--Ages-- (Harland mA)		--SHOWS-- Show Srce		-----POROSITY----- Spot Aver Min Max Srce Authr					-----PERMEABILITY----- Spot Aver Min Max KV Srce Auth					ENVIRONMENT Env Lndfm			
153.00	622.00		7.00															MS	CSHM
622.00	1211.00	7.00	18.47															MS	CSH
1211.00	1371.00	18.47	38.07															MS	CSH
1371.00	1544.00	38.07	49.05															MS	CSHO
1544.00	1580.00	49.05	55.18															MS	CSHO
1580.00	1617.00	55.18	58.60															MS	CSHO
1617.00	1636.00	58.60	65.00															MS	CSHI
1636.00	1790.00	65.00	76.86															MS	CSHM
1790.00	1854.00	76.86	78.55															MS	CSHO
1854.00	1935.00	78.55	85.87															MS	CSHM
1935.00	2010.00	85.87	91.00															MS	CSHO
2010.00	2100.00	91.00	104.00															MS	CSHO
2100.00	2133.00	104.00	114.50															MSS	CSHO
2133.00	2145.00	114.50	123.08															MSS	CSHO
2145.00	2162.00	123.08	123.75															MSS	CSHO
2162.00	2230.00	123.75	128.88															MSS	CSHI
2230.00	2305.00	128.88	131.34															MBA	CSL
2305.00	2347.00	131.34	137.00															MS	CSHI
2347.00	2370.00	137.00	137.86															MS	CSHM
2370.00	2397.00	137.86	138.87															MS	CSHI
2380.00	2385.00	138.24	138.42	L1	WCR														
2380.00	2385.00	138.24	138.42	G1	WCR														
2397.00	2512.00	138.87	143.18																
2512.00	2587.00	143.18	173.00															CSF	
2530.00	2612.00	154.22	173.00			16.00			LOGE	OPER								MVS	BB
2548.00	2575.00	172.52	173.00	L1	WCR														
2548.00	2575.00	172.52	173.00	G1	WCR														
2587.00	2601.00	173.00	173.00																
2601.00	2633.00	173.00	173.00															CDE	C
2612.00	2725.00	173.00	173.00			20.00			LOGE	OPER								CDDP	DFS
2633.00	2660.00	173.00	173.00																
2660.00	2686.00	173.00	173.00															CDP	C
2686.00	2695.00	173.00	173.00															CDP	C
2695.00	2700.00	173.00	173.00															CDDP	DFS
2700.00	2716.00	173.00	173.00															CDDP	DFS
2716.00	2728.00	173.00	173.00															CDE	C
2725.00	3171.00	173.00	174.85			18.00			LOGE	OPER								CDDL	IDB
2728.00	2748.00	173.00	173.00																
2748.00	2785.00	173.00	173.00															CDE	C
2785.00	2811.00	173.00	173.00															CDE	C
2811.00	2818.00	173.00	173.00															CDE	C
2818.00	2828.00	173.00	173.00															CDDP	
2820.00	2865.00	173.00	173.00	L1	WCR													CDIS	C

RESFACS DATABASE

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2820.00	2865.00	173.00	173.00	G1	WCR
2828.00	2840.00	173.00	173.00		
2840.00	2851.00	173.00	173.00		
2851.00	2861.00	173.00	173.00		
2861.00	2873.00	173.00	173.00		
2873.00	2891.00	173.00	173.00		
2875.00	2920.00	173.00	173.00	L1	WCR
2875.00	2920.00	173.00	173.00	G1	WCR
2891.00	2926.00	173.00	173.00		
2926.00	2950.00	173.00	173.00		
2950.00	2958.00	173.00	173.06		
2950.00	3055.00	173.00	173.87	L1	WCR
2950.00	3055.00	173.00	173.87	G1	WCR
2958.00	2988.00	173.06	173.31		
2988.00	3020.00	173.31	173.58		
3020.00	3045.00	173.58	173.79		
3045.00	3050.00	173.79	173.83		
3050.00	3060.00	173.83	173.92		
3060.00	3070.00	173.92	174.00		
3070.00	3075.00	174.00	174.04		
3075.00	3095.00	174.04	174.21		
3095.00	3110.00	174.21	174.34		
3110.00	3135.00	174.34	174.55		
3135.00	3157.00	174.55	174.73		
3157.00	3169.00	174.73	174.83		
3169.00	3203.00	174.83	175.12		
3171.00	3291.00	174.85	175.86		
3203.00	3216.00	175.12	175.23		
3210.00	3230.00	175.18	175.35	L1	WCR
3210.00	3230.00	175.18	175.35	G1	WCR
3216.00	3225.00	175.23	175.31		
3225.00	3240.00	175.31	175.43		
3240.00	3263.00	175.43	175.63		
3263.00	3267.00	175.63	175.66		
3267.00	3290.00	175.66	175.85		
3290.00	3302.00	175.85	175.96		
3291.00	3702.00	175.86	182.42		
3302.00	3342.00	175.96	176.29		
3310.00	3330.00	176.02	176.19	L1	WCR
3310.00	3330.00	176.02	176.19	G1	WCR
3342.00	3358.00	176.29	176.43		
3358.00	3368.00	176.43	176.51		
3368.00	3381.00	176.51	176.62		
3381.00	3393.00	176.62	176.72		
3393.00	3411.00	176.72	176.87		
3410.00	3440.00	176.87	177.17	L1	WCR
3410.00	3440.00	176.87	177.17	G1	WCR
3411.00	3438.00	176.87	177.15		
3438.00	3456.00	177.15	177.37		

16.00

LOGE OPER

15.00

LOGE OPER

CDDP
CDDL PB
CDDL IDB
CDDP DFS
CDDP DFS

CSFU
CDDL C
CDDL C

LDF PB
CDDL IDB
CDDP DFS
CDDL PB
CDDL PB
CDDL PB
CDDL AC
CDDL PB
CDDL PB
CDDP DFS
CDDP DFS
CDDP DFS
CDDL C

CDE MF

CDDL D
CDE MF
CDDL C
CDE MF
CDDL C
CDDL IDB

CSFU

CDDL PB
CDE FM
CDDL C
CDDL CS
CDDL C

CDDL CS
CDDL C

RESFACS DATABASE

13/05/95

3456.00	3478.00	177.37	177.65		
3478.00	3494.00	177.65	177.84		
3494.00	3504.00	177.84	177.97		
3504.00	3515.00	177.97	178.10		
3515.00	3540.00	178.10	178.41		
3540.00	3565.00	178.41	178.73		
3565.00	3575.00	178.73	178.87		
3575.00	3586.00	178.87	179.03		
3586.00	3598.00	179.03	179.21		
3598.00	3608.00	179.21	179.36		
3608.00	3620.00	179.36	180.00		
3610.00	4300.00	179.39	195.25	G1	WCR
3620.00	3635.00	180.00	180.44		
3635.00	3645.00	180.44	180.74		
3645.00	3696.00	180.74	182.24		
3696.00	3708.00	182.24	182.60		
3702.00	3836.00	182.42	186.37		
3708.00	3714.00	182.60	182.77		
3714.00	3721.00	182.77	182.98		
3721.00	3727.00	182.98	183.16		
3727.00	3732.00	183.16	183.30		
3732.00	3759.00	183.30	184.10		
3759.00	3775.00	184.10	184.57		
3775.00	3793.00	184.57	185.10		
3793.00	3801.00	185.10	185.34		
3801.00	3806.00	185.34	185.49		
3806.00	3816.00	185.49	185.78		
3816.00	3824.00	185.78	186.02		
3824.00	3840.00	186.02	186.49		
3836.00	4300.00	186.37	195.25		
3840.00	3856.00	186.49	186.96		
3856.00	3865.00	186.96	187.23		
3865.00	3925.00	187.23	189.00		
3925.00	3943.00	189.00	189.20		
3943.00	3969.00	189.20	189.49		
3969.00	3984.00	189.49	189.66		
3984.00	4001.00	189.66	189.84		
4001.00	4016.00	189.84	190.01		
4016.00	4029.00	190.01	190.16		
4029.00	4051.00	190.16	190.40		
4051.00	4073.00	190.40	190.59		
4073.00	4082.00	190.59	190.65		
4082.00	4093.00	190.65	190.72		
4093.00	4124.00	190.72	190.93		
4105.00	4130.00	190.80	190.97	L1	WCR
4105.00	4130.00	190.80	190.97	G1	WCR
4124.00	4170.00	190.93	191.24		
4170.00	4213.00	191.24	191.52		
4175.00	4225.00	191.27	191.60	L1	WCR

13.00

LOGE OPER

11.00 12.00 LOGE OPER

CDDL CS
CDDL C
LDF CS
LDF PB
LDF BS
LDF C
LDFB AF
LDF CS
LDF PB
LDF PB
CDDU PB

CDDU CS
CDDL C
CDDL IDB
CDDL PB

CDDL C
CDDL C
CDDL C
CDDL C
CDDP DFS
CDDL IDB
CDDL C
CDDL C
CDDL C
CDDL C
CDDL C
CDDP DFS

CDDP DFS
CDDL C
CDDL IDB
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS

CDDL PB
CDDL PB

RESFACS DATABASE

13/05/95

4175.00 4225.00 191.27 191.60 G1 WCR
 4213.00 4233.00 191.52 191.66
 4225.00 4300.00 191.60 195.25 L1 WCR
 4225.00 4300.00 191.60 195.25 G1 WCR
 4233.00 4249.00 191.66 191.77
 4249.00 4268.00 191.77 191.89
 4268.00 4279.00 191.89 191.97
 4279.00 4286.00 191.97 192.41
 4286.00 4300.00 192.41 195.25

CDDL IDB

CDP B
 CDP B
 CDP B
 CDP B
 CDP B

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----						ENVIRONMENT				
top (m)	base (m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	153.00						13.00	11.00	12.00											
Max	4300.00	195.25					20.00	11.00	12.00											
No.	150	149		23	23		6	1	1		7	7							120	115
Mean							16.33	11.00	12.00											

RESFACS DATABASE

East Mermaid 1 -17.166944 119.822556 Canning Basin
PEDIN/File numbers: W6730020 73/1003

Rowley Sub-basin

13/05/95

top (m)	base (m)	---Ages---		--SHOWS--		---POROSITY---					---PERMEABILITY---					ENVIRONMENT				
		(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
411.10	701.20	0.00	9.25																	
701.00	1187.20	9.25	21.32																MVS	
1187.20	1227.40	21.32	25.62																MVS	RB
1227.40	1248.50	25.62	29.59																MVS	R
1248.50	1264.60	29.59	32.61																MVS	RB
1264.60	1447.60	32.61	45.59																MVS	R
1447.60	1536.60	45.59	45.20																MVS	RB
1536.60	1597.60	45.20	57.10																MVS	RB
1597.60	1626.10	57.10	65.00																MVS	RB
1626.10	1661.60	65.00	71.38																MVS	RB
1661.60	1672.60	71.38	72.47																MS	CSH
1672.60	1681.10	72.47	73.60																MBA	CSL
1681.10	1685.40	73.60	74.37																MBA	CSL
1685.40	1689.60	74.37	75.20																MBA	CSL
1689.60	1706.40	75.20	78.21																MBA	CSL
1706.40	1765.10	78.21	91.00																MBA	CSL
1765.10	1897.10	91.00	104.00																MS	CSHO
1897.10	1997.80	104.00	119.00																MS	CSH
1997.80	2278.40	119.00	131.17																MS	CSH
2278.40	2378.10	131.17	137.00																MS	CSHM
2378.10	2500.60	137.00	137.90																MS	CSHM
2500.60	2723.80	137.90	139.40																MS	CSHM
2723.80	2783.50	139.40	139.74																MS	CSHM
2783.50	2814.60	139.74	139.92																MS	CSHM
2814.60	2841.50	139.92	140.30																MS	CSHM
2841.50	2854.90	140.30	140.48																MS	CSHM
2854.90	2886.80	140.48	164.50																MS	CSHM
2886.80	2894.80	164.50	167.08																MS	CSHI
2894.80	2897.60	167.08	167.11																LDFM	C
2897.60	2907.00	167.11	167.21																LDFM	PB
2907.00	2908.50	167.21	167.22																LDFM	BS
2908.50	2923.80	167.22	167.38																LDFM	CS
2923.80	2936.30	167.38	167.51																LDFM	PB
2936.30	2943.90	167.51	167.59																LDFM	C
2943.90	2954.00	167.59	167.69																LDFM	C
2954.00	2964.60	167.69	167.80																LDFM	PB
2964.60	2974.40	167.80	167.90																LDFM	C
2974.40	2988.10	167.90	168.04																CDDF	SMB
2988.10	2997.00	168.04	168.13																CDDL	DC
2997.00	3009.10	168.13	168.26																CDDF	SMB
3009.10	3024.10	168.26	168.41																CDDL	DC
3024.10	3037.50	168.41	168.55																CDDL	IDB
3037.50	3065.20	168.55	168.84																CDDL	DC
																			CDDL	IDB

RESFACS DATABASE

13/05/95

3065.20	3069.20	168.84	168.88
3069.20	3079.30	168.88	168.98
3079.30	3086.00	168.98	169.05
3086.00	3092.70	169.05	169.12
3092.70	3099.40	169.12	169.19
3099.40	3110.10	169.19	169.30
3110.10	3129.90	169.30	169.50
3129.90	3133.50	169.50	169.54
3133.50	3145.40	169.54	169.66
3145.40	3159.90	169.66	177.00
3159.90	3186.30	177.00	176.66
3186.30	3197.30	176.66	176.52
3197.30	3236.60	176.52	176.01
3236.60	3239.60	176.01	175.97
3239.60	3245.70	175.97	175.89
3245.70	3248.20	175.89	175.86
3248.20	3250.60	175.86	175.83
3250.60	3251.50	175.83	175.82
3251.50	3372.60	175.82	174.26
3372.60	3379.60	174.26	174.17
3379.60	3396.60	174.17	173.95
3396.60	3404.90	173.95	178.33
3404.90	3410.70	178.33	177.85
3410.70	3423.20	177.85	176.83
3423.20	3434.50	176.83	175.91
3434.50	3438.40	175.91	175.59
3438.40	3443.70	175.59	180.00
3443.70	3451.20	180.00	178.00
3451.20	3457.90	178.00	176.22
3457.90	3460.40	176.22	175.56
3460.40	3463.10	175.56	174.84
3463.10	3468.00	174.84	173.53
3468.00	3473.20	173.53	180.90
3473.20	3488.40	180.90	181.37
3488.40	3490.20	181.37	181.42
3490.20	3499.10	181.42	181.69
3499.10	3517.40	181.69	182.25
3517.40	3520.10	182.25	182.33
3520.10	3528.00	182.33	182.57
3528.00	3535.40	182.57	182.80
3535.40	3558.50	182.80	183.51
3558.50	3567.70	183.51	183.79
3567.70	3570.70	183.79	183.88
3570.70	3573.80	183.88	183.97
3573.80	3578.40	183.97	184.11
3578.40	3582.00	184.11	184.22
3582.00	3586.00	184.22	184.35
3586.00	3591.20	184.35	184.50
3591.20	3594.20	184.50	184.60

CDDF	SMB
CDDL	IDB
CDDL	DC
CDDF	SMB
CDDL	IDB
CDDL	DC
CDDL	DC
CDDL	PB
CDDL	IDB
CDDL	DC
LDFM	C
LDFM	AC
LDFM	C
LDFM	PB
LDFM	AC
LDFM	PB
LDFM	PB
LDFM	OD
LDFM	C
LDFM	AC
LDFM	C
LDFM	AC
LDFM	PB
LDFM	AC
LDFM	C
LDFM	OD
LDFM	AC
CDDU	
CDDU	C
CDDU	OD
CDDU	C
CDDU	OD
CDDU	OD
LDFM	C
LDFM	CS
LDFM	PB
LDFM	C
CDDU	OD
CDDU	C
CDDU	OD
LDFM	C
CDDU	OD
CDDU	C
CDDU	C
CDDU	C
CDDU	
CDDU	OD
CDDU	
CDDU	OD

RESFACS DATABASE

13/05/95

3594.20 3599.10 184.60 184.75
3599.10 3603.40 184.75 184.88
3603.40 3617.70 184.88 185.31
3617.70 3638.10 185.31 185.94
3638.10 3653.40 185.94 186.40
3653.40 3655.20 186.40 186.46
3655.20 3664.90 186.46 186.76
3664.90 3674.70 186.76 187.05
3674.70 3678.40 187.05 187.17
3678.40 3687.80 187.17 187.45
3687.80 3697.90 187.45 187.76
3697.90 3704.90 187.76 187.98
3704.90 3709.50 187.98 188.12
3709.50 3714.90 188.12 188.28
3714.90 3717.40 188.28 188.36
3717.40 3720.10 188.36 188.44
3720.10 3723.50 188.44 188.54
3723.50 3729.30 188.54 188.72
3729.30 3736.00 188.72 188.93
3736.00 3738.40 188.93 189.00
3738.40 3748.20 189.00 189.18
3748.20 3751.20 189.18 189.24
3751.20 3756.70 189.24 189.34
3756.70 3760.70 189.34 189.41
3760.70 3761.60 189.41 189.43
3761.60 3764.60 189.43 189.48
3764.60 3766.50 189.48 189.52
3766.50 3768.30 189.52 189.55
3768.30 3770.10 189.55 189.58
3770.10 3777.40 189.58 189.72
3777.40 3779.30 189.72 189.75
3779.30 3782.00 189.75 189.80
3782.00 3782.60 189.80 189.81
3782.60 3784.80 189.81 189.85
3784.80 3786.30 189.85 189.88
3786.30 3787.20 189.88 189.90
3787.20 3788.40 189.90 189.92
3788.40 3789.60 189.92 189.94
3789.60 3797.90 189.94 190.09
3797.90 3805.50 190.09 190.23
3805.50 3809.10 190.23 190.30
3809.10 3820.10 190.30 190.50
3820.10 3824.10 190.50 190.85
3824.10 3827.10 190.85 191.12
3827.10 3834.10 191.12 191.74
3834.10 3839.60 191.74 192.23
3839.60 3841.20 192.23 192.37
3841.20 3843.00 192.37 192.49
3843.00 3845.70 192.49 192.62

CDDU C
CDDU C
CDDU OD
LDFM C
CDDU OD
CDDU C
CDDU OD
CDDU C
CDDU C
CDDU C
CDDU C
CDDU OD
CDDU
CDDU OD
CDDU C
CDDU C
CDDU C
CDDU C
CDDU OD
CDDF SMB
CDDP DFS
CDDF SMB
CDDP DFS
CDDL DC
CDDL DC
CDDL DC
CDDL DC
CDDL DC
CDDL DC
CDDU BS
CDDU LE
CDDL CS
CDDL DC
CDDL CS
CDDL DC
CDDL DC
CDDL CS
CDDL DC
CDDL CS
CDDL DC
CDDU BS
CDDL CS
CDDU BS
CDDL CS
LDFM LE
LDFM PB
LDFM CS
LDFM C
LDFM CS
LDFM PB

RESFACS DATABASE

13/05/95

3845.70 3847.60 192.62 192.71
 3847.60 3849.70 192.71 192.81
 3849.70 3857.00 192.81 193.15
 3857.00 3866.20 193.15 193.59
 3866.20 3877.10 193.59 194.10
 3877.10 3883.50 194.10 194.41
 3883.50 3888.70 194.41 194.66
 3888.70 3892.70 194.66 194.84
 3892.70 3896.60 194.84 195.07
 3896.60 3905.50 195.07 195.76
 3905.50 3909.10 195.76 196.04
 3909.10 3911.60 196.04 196.23
 3911.60 3914.60 196.23 196.47
 3914.60 3928.70 196.47 197.57
 3928.70 3935.70 197.57 198.11
 3935.70 3940.90 198.11 198.51
 3940.90 3943.00 198.51 198.68
 3943.00 3944.80 198.68 198.82
 3944.80 3947.30 198.82 199.01
 3947.30 3960.00 199.01 200.00
 3968.60 4068.60 200.39 205.02

LDFM C
 LDFM AC
 LDFM C
 LDFM PB
 LDFM C
 LDFM CS
 LDFM AC
 LDFM PB
 LDFM CS
 LDFM CS
 LDFM PB
 LDFM CS
 LDFM CS
 LDFM PB
 LDFM AC
 LDFM PB
 LDFM PB
 LDFM CS
 LDFM CS
 LDFM PB
 LDFM AC
 UNKN

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT						
top	base			Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
(m)	(m)	(Harland	mA)																	
Min	411.10	0.00																		
Max	4068.60	205.02																		
No.	162	162																	162	156
Mean																				

RESFACS DATABASE

Jarman 1 -19.122111 117.344869 Beagle Sub-basin
PEDIN/File numbers: W6780002 77/1810

Carnarvon Basin

13/05/95

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	-----POROSITY----- Spot Aver Min Max Srce Authr	-----PERMEABILITY----- Spot Aver Min Max KV Srce Auth	ENVIRONMENT Env Lndfm
150.00	500.00	6.35				MS
500.00	1375.00	6.35	34.52			MS
1375.00	1575.00	34.52	43.04			MS CSHI
1575.00	1735.00	43.04	61.13			MS CSHI
1735.00	1745.00	61.13	65.00			MS CSHI
1745.00	1787.00	65.00	70.25			MS CSHI
1787.00	1824.00	70.25	70.88			MS CSH
1824.00	1849.00	70.88	71.13			MS CSH
1849.00	1945.00	71.13	73.13			MS CSH
1945.00	2048.00	73.13	84.02			MS CSH
2048.00	2105.00	84.02	87.97			MS CSHO
2105.00	2140.00	87.97	91.00			MS CSHO
2140.00	2159.00	91.00	98.63			MS CSHO
2159.00	2187.00	98.63	101.70			MS CSHO
2187.00	2225.00	101.70	114.50			MS CSHO
2225.00	2258.00	114.50	125.58			CSF
2258.00	2292.00	125.58	128.21			CSF
2292.00	2325.00	128.21	130.82			CSF
2325.00	2359.00	130.82	133.58			CSF
2359.00	2382.00	133.58	135.50			CSF
2382.00	2400.00	135.50	137.00			CSF
2400.00	2409.00	137.00	137.60			MS CSHI
2409.00	2451.00	137.60	138.80			MS CSHI
2451.00	2506.00	138.80	139.99			MS CSHI
2506.00	2576.00	139.99	144.00			MS CSHI
2576.00	2589.00	144.00	147.50			CDDL DC
2589.00	2617.00	147.50	148.45			CDDL DC
2617.00	2631.00	148.45	148.85			CDDF
2631.00	2643.00	148.85	149.36			CDDU C
2643.00	2658.00	149.36	150.00			CDDU PB
2658.00	2675.00	150.00	162.00			CDDL IDB
2675.00	2697.00	162.00	163.52			CDDF
2697.00	2742.00	163.52	165.28			CDDL IDB
2742.00	2757.00	165.28	165.79			CDDL IDB
2757.00	2775.00	165.79	166.39			LDFL C
2775.00	2793.00	166.39	167.00			LDFL PB
2793.00	2906.00	167.00	172.00			LDFB C

RESFACS DATABASE

13/05/95

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT			
top (m)	base (m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm	
Min	150.00																				
Max	2906.00	172.00																			
No.	37	36																	37	27	
Mean																					

RESFACS DATABASE

Kambara 1 -16.743011 122.437578 Canning Basin
PEDIN/File numbers: W6820015 82/1282

Lennard Shelf

13/05/95

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	-----POROSITY----- Spot Aver Min Max Srce Authr	-----PERMEABILITY----- Spot Aver Min Max KV Srce Authr	ENVIRONMENT Env Lndfm
48.20	323.00	144.00				
323.00	367.00	144.00	145.19			MVS CSHI
350.00	750.00	144.73	270.89			MVS CSHI
367.00	397.00	145.19	146.01			
397.00	452.00	146.01	147.50			MVS CSHI
452.00	484.00	147.50	149.55			MS CSHI
484.00	491.00	149.55	158.50			CDE C
491.00	655.00	158.50	222.50			CDE MF
655.00	809.00	222.50	295.50			CDDL
720.00	809.00	269.98	295.50			MS CSHI
809.00	844.00	295.50	278.00			
844.00	852.00	278.00	274.00			
852.00	864.00	274.00	291.72	11.00	13.00 LOGE OPER	CSF
852.00	887.00	274.00	285.27			CDE C
864.00	881.00	291.72	286.95	22.00	27.00 LOGE OPER	LDG PB
881.00	916.50	286.95	277.00			
887.00	916.00	285.27	277.14			LDG LD
916.00	1111.00	277.14	306.30	25.00	32.00 LOGE OPER	LDG C
916.50	943.00	277.00	313.73	23.00	29.00 LOGE OPER	LDG LD
943.00	958.00	313.73	313.07			LDG C
958.00	980.00	313.07	312.09			LDG LD
980.00	994.00	312.09	311.47			LDG C
994.00	1006.00	311.47	310.94			LDG LD
1006.00	1113.00	310.94	306.21			LDG C
1111.00	1201.00	306.30	302.32	18.00	24.00 LOGE OPER	LDG C
1113.00	1147.00	306.21	304.71			
1147.00	1168.00	304.71	303.78			LDG LD
1168.00	1201.00	303.78	302.32			LDG LD
1201.00	1570.00	302.32	313.00	25.00	10.00 34.00 LOGE OPER	LDG C
1570.00	1592.00	313.00	351.90			LDG AF
1570.00	1660.00	313.00	348.59	18.00	28.00 LOGE OPER	CDDP DFS
1592.00	1608.00	351.90	351.12			
1608.00	1623.00	351.12	350.39			CDDP DFS
1623.00	1643.00	350.39	349.41			CSF
1643.00	1713.00	349.41	346.00			CDDL IDB
1660.00	1712.00	348.59	346.05	.20	9.00 LOGE OPER	
1712.00	1757.00	346.05	353.55	16.00	25.00 LOGE OPER	
1713.00	1805.00	346.00	359.00			
1757.00	1805.00	353.55	359.00	14.00	25.00 LOGE OPER	MVS RB
1805.00	2098.00	359.00	367.00	12.00	15.00 LOGE OPER	
2098.00	2155.00	367.00	376.55	.60	7.00 LOGE OPER	LDFB AF
2098.00	2798.00	367.00	380.29			
2155.00	2196.00	376.55	376.59	1.30	4.00 LOGE OPER	MVS RB

RESFACS DATABASE

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2196.00	2247.00	376.59	376.64			4.40		10.00	LOGE	OPER
2247.00	2264.00	376.64	376.65			2.00	.40	7.00	LOGE	OPER
2264.00	2342.00	376.65	376.72			6.00	.10	12.00	LOGE	OPER
2342.00	2645.00	376.72	377.00			3.00		9.00	LOGE	OPER
2640.00	2740.00	376.99	379.51	G1	LOGM					
2645.00	2760.00	377.00	379.78			.60		3.00	LOGE	OPER
2750.00	2830.00	379.65	375.01	G1	LOGM					
2760.00	2763.00	379.78	379.82			6.70	2.00	8.00	LOGE	OPER
2763.00	2800.00	379.82	380.32			1.60		5.00	LOGE	OPER
2798.00	3150.00	380.29	386.75							
2800.00	3150.00	380.32	386.75			.60		8.00	LOGE	OPER
2970.00	3060.00	380.25	386.75	G1	LOGM					

MVS RF

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT						
top	base	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
Min	48.20						0.20	0.10	3.00											
Max	3150.00	386.75					25.00	10.00	34.00											
No.	55	54		4	4		21	4	23	23	23								32	29
Mean							10.05	3.13	15.30											

RESFACS DATABASE

Keraudren 1 -18.907592 119.15423 Bedout Sub-basin
PEDIN/File numbers: W6730014 73/240

Canning Basin

13/05/95

top (m)	base (m)	---Ages---		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						-----ENVIRONMENT-----			
		(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm	
125.00	527.00		41.12																MVS		
527.00	561.00	41.12	48.06																	CSHI	
561.00	599.00	48.06	70.00																MS	CSHI	
599.00	739.00	739.00	77.44																MVS		
739.00	815.00	77.44	86.20																MVS		
815.00	1065.00	86.20	104.00																MS	CSHI	
1065.00	1159.00	104.00	119.12																MS	CSHI	
1159.00	1190.00	119.12	124.46																MS	CSH	
1190.00	1215.00	124.46	137.00																MVS		
1215.00	1368.00	137.00	141.88																MS	CSH	
1368.00	1400.00	141.88	142.90																MS	CSH	
1400.00	1510.00	142.90	147.50																MS	CSH	
1510.00	1545.00	147.50	158.50																MSS	CSHI	
1545.00	2214.00	158.50	206.70																MSS	CSHI	
2214.00	2241.00	206.70	209.90																LDFM	C	
2241.00	2250.00	209.90	210.37																LDFM	PB	
2250.00	2301.00	210.37	217.50																LDFM	BS	
2301.00	2450.00	217.50	226.14																LDFM	C	
2450.00	2568.00	226.14	229.42																LDL	BS	
2568.00	2593.00	229.42	230.11																LDL	BS	
2593.00	2595.00	230.11	230.17																LDFM	C	
2595.00	2603.00	230.17	230.39																LDFM	AC	
2603.00	2618.00	230.39	230.81																LDFM	PB	
2618.00	2635.00	230.81	231.12																LDFM	C	
2635.00	2734.00	231.12	232.33																LDFM	BS	
2734.00	2737.00	232.33	232.37																LDFM	C	
2737.00	2755.00	232.37	232.59																LDFM	PB	
2755.00	2771.00	232.59	232.78																LDFM	C	
2771.00	2801.00	232.78	233.15																LDFM	BS	
2801.00	2821.00	233.15	233.39																CDDL	DC	
2821.00	2865.00	233.39	233.93																CDDL	IDB	
2865.00	2872.00	233.93	234.01																CDDL	DC	
2872.00	2882.00	234.01	234.13																CDDL	IDB	
2882.00	2887.00	234.13	234.20																CDDL	DC	
2887.00	2895.00	234.20	234.29																CDDL	IDB	
2895.00	2911.00	234.29	234.49																CDDL	DC	
2911.00	2921.00	234.49	234.61																CDDL	IDB	
2921.00	2940.00	234.61	234.84																CDDL	IDB	
2940.00	2960.00	234.84	235.00																CDDL	DC	
2960.00	2987.00	235.00	235.45																CDDL	IDB	
2987.00	2995.00	235.45	235.58																CDDL	DC	
2995.00	3019.00	235.58	235.98																CDDL	IDB	
3019.00	3035.00	235.98	236.25																CDDL	DC	
																			CDDL	IDB	

RESFACS DATABASE

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3035.00 3123.00 236.25 237.72
 3123.00 3200.00 237.72 239.00
 3200.00 3208.00 239.00 239.57
 3208.00 3250.00 239.57 240.50
 3250.00 3279.00 240.50 240.50
 3279.00 3300.00 240.50 240.50
 3300.00 3306.00 240.50 240.50
 3306.00 3320.00 240.50 240.50
 3320.00 3339.00 240.50 240.50
 3339.00 3458.00 240.50 240.50
 3458.00 3462.00 240.50 240.50
 3462.00 3469.00 240.50 240.50
 3469.00 3471.00 240.50 240.50
 3471.00 3473.00 240.50 240.50
 3473.00 3478.00 240.50 240.50
 3478.00 3517.00 240.50 240.50
 3517.00 3523.00 240.50 240.50
 3523.00 3628.00 240.50 240.96
 3628.00 3635.00 240.96 241.01
 3635.00 3642.00 241.01 241.06
 3642.00 3669.00 241.06 241.26
 3669.00 3679.00 241.26 241.33
 3679.00 3692.00 241.33 241.43
 3692.00 3697.00 241.43 241.46
 3697.00 3717.00 241.46 241.61
 3717.00 3731.00 241.61 241.71
 3731.00 3789.00 241.71 242.14
 3789.00 3796.00 242.14 242.19
 3796.00 3801.00 242.19 242.22
 3801.00 3803.00 242.22 242.24
 3803.00 3805.00 242.24 242.25
 3805.00 3808.00 242.25 242.27
 3808.00 3812.00 242.27 242.30
 3812.00 3818.00 242.30 242.35
 3818.00 3822.00 242.35 242.38
 3822.00 3833.00 242.38 242.46
 3833.00 3844.00 242.46 242.75

CDDL C
 CDDL IDB
 CDDL C
 CDDL IDB
 CDDL IDB
 CDDL IDB
 CDDL C
 CDDL PB
 CDDL IDB
 CDDL C
 CDDL LE
 CDDL C
 CDDL LE
 CDDL C
 CDDL LE
 CDDL C
 CDDL PB
 CDDL C
 CDDL IDB
 CDDL AC
 CDDL C
 CDDL LE
 CDDL C
 CDDU PB
 CDDL C
 CDDU PB
 CDDL C
 CDDL LE
 CDDL CS
 CDDL LE
 CDDL CS
 CDDL LE
 CDDL CS
 CDDL CS
 CDDL LE
 CDDL AC
 CDDL C
 CDDL AC

Statistics		----Ages----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT						
top (m)	base (m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	125.00																			
Max	3844.00	242.75																		
No.	80	79																		
Mean																				

80 76

RESFACS DATABASE

Lacepede 1A -17.088439 121.444822 Canning Basin
 PEDIN/File numbers: W6700002 70/426

Fitzroy Trough

13/05/95

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	Spot	-----POROSITY----- Aver Min Max Srce Authr	-----PERMEABILITY----- Spot Aver Min Max KV Srce Authr	ENVIRONMENT Env Lndfm
68.00	302.70	83.00					MS
303.00	336.80	83.03 114.00					MS
337.00	359.80	113.13 117.14					MS
360.00	541.20	117.17 120.86					MS CSHI
541.00	701.80	120.85 127.24					MS CSHI
702.00	903.70	127.25 137.00					MVS
704.39		127.43		29.00	LOGS OPER		
718.11		128.45		28.50	LOGS OPER		
734.57		129.67		33.50	LOGS OPER		
754.99		130.93		29.50	LOGS OPER		
762.00		131.22		33.00	LOGS OPER		
774.19		131.74		34.50	LOGS OPER		
805.89		133.07		34.00	LOGS OPER		
815.04		133.46		33.00	LOGS OPER		
817.17		133.55		30.00	LOGS OPER		
824.18		133.84		26.00	LOGS OPER		
833.93		134.25		33.00	LOGS OPER		
838.20		134.43		36.00	LOGS OPER		
841.25		134.56		40.00	LOGS OPER		
862.58		135.46		40.00	LOGS OPER		
876.30		136.04		34.50	LOGS OPER		
886.97		136.49		33.00	LOGS OPER		
886.97		136.49		39.00	LOGN OPER		
886.97		136.49		42.00	LOGN OPER		
886.97		136.49		31.50	LOGD OPER		
886.97		136.49		28.00	LOGE OPER		
893.98		136.78		30.00	LOGS OPER		
893.98		136.78		32.00	LOGN OPER		
893.98		136.78		35.00	LOGN OPER		
893.98		136.78		30.50	LOGD OPER		
893.98		136.78		31.00	LOGE OPER		
899.16		137.00		27.00	LOGS OPER		
899.16		137.00		31.00	LOGN OPER		
899.16		137.00		34.00	LOGN OPER		
899.16		137.00		27.50	LOGN OPER		
899.16		137.00		27.50	LOGD OPER		
899.16		137.00		27.00	LOGE OPER		
904.00	957.90	137.06 139.25					CDE MF
917.45		139.02		29.00	LOGN OPER		
917.45		139.02		32.00	LOGN OPER		
924.46		139.06		28.00	LOGN OPER		
924.46		139.06		31.00	LOGN OPER		
955.85		139.24		33.00	LOGN OPER		

RESFACS DATABASE

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955.85		139.24		36.00	LOGN OPER	
958.00	963.70	139.25	139.28			CDE C
962.56		139.28		31.50	LOGS OPER	
962.56		139.28		35.00	LOGN OPER	
962.56		139.28		38.00	LOGN OPER	
962.56		139.28		24.00	LOGN OPER	
962.56		139.28		31.50	LOGD OPER	
962.56		139.28		31.00	LOGE OPER	
964.00	986.60	139.29	139.42			CDE C
977.19		139.36		40.00	LOGS OPER	
977.19		139.36		34.00	LOGN OPER	
977.19		139.36		37.00	LOGN OPER	
977.19		139.36		35.00	LOGN OPER	
979.32		139.38		42.00	LOGS OPER	
979.32		139.38		39.00	LOGN OPER	
979.32		139.38		36.00	LOGD OPER	
981.15		139.39		41.00	LOGN OPER	
981.15		139.39		29.50	LOGN OPER	
981.15		139.39		32.00	LOGD OPER	
981.15		139.39		28.00	LOGE OPER	
983.89		139.40		36.00	LOGS OPER	
983.89		139.40		34.00	LOGN OPER	
983.89		139.40		37.00	LOGN OPER	
983.89		139.40		33.00	LOGN OPER	
983.89		139.40		27.50	LOGD OPER	
983.89		139.40		26.00	LOGE OPER	
987.00	995.10	139.42	139.47			CDE C
989.08		139.43		40.00	LOGS OPER	
989.08		139.43		39.00	LOGN OPER	
989.08		139.43		42.00	LOGN OPER	
989.08		139.43		36.50	LOGN OPER	
989.08		139.43		33.00	LOGD OPER	
989.08		139.43		32.00	LOGE OPER	
995.10	1033.50	139.47	139.69			CDE MF
996.70		139.48		39.00	LOGS OPER	
996.70		139.48		34.00	LOGN OPER	
996.70		139.48		37.00	LOGN OPER	
996.70		139.48		30.50	LOGN OPER	
996.70		139.48		31.50	LOGD OPER	
996.70		139.48		31.00	LOGE OPER	
1001.88		139.51		40.00	LOGS OPER	
1001.88		139.51		41.00	LOGN OPER	
1001.88		139.51		44.00	LOGN OPER	
1001.88		139.51		39.00	LOGN OPER	
1001.88		139.51		39.50	LOGD OPER	
1001.88		139.51		39.00	LOGE OPER	
1005.23		139.52		31.50	LOGS OPER	
1005.23		139.52		34.00	LOGN OPER	
1005.23		139.52		37.00	LOGN OPER	

RESFACS DATABASE

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1005.23	139.52	29.50
1005.23	139.52	29.00
1005.23	139.52	27.00
1018.03	139.60	30.00
1018.03	139.60	31.00
1018.03	139.60	34.00
1018.03	139.60	27.50
1018.03	139.60	25.00
1018.03	139.60	23.00
1020.17	139.61	36.00
1020.17	139.61	40.00
1020.17	139.61	43.00
1020.17	139.61	33.00
1020.17	139.61	30.00
1020.17	139.61	25.00
1026.57	139.65	31.50
1026.57	139.65	33.50
1026.57	139.65	32.00
1033.50	1085.40 139.69 140.58	
1033.88	139.69	40.00
1033.88	139.69	40.00
1033.88	139.69	43.00
1033.88	139.69	34.50
1033.88	139.69	37.00
1033.88	139.69	36.00
1046.99	139.77	35.00
1046.99	139.77	31.00
1046.99	139.77	34.00
1046.99	139.77	26.00
1046.99	139.77	26.00
1046.99	139.77	24.00
1057.66	139.83	35.00
1057.66	139.83	35.00
1057.66	139.83	38.00
1057.66	139.83	31.00
1057.66	139.83	28.50
1057.66	139.83	26.00
1066.80	139.88	34.00
1066.80	139.88	33.00
1066.80	139.88	36.00
1066.80	139.88	26.00
1066.80	139.88	24.50
1066.80	139.88	22.00
1072.59	139.96	30.00
1073.51	140.02	28.00
1075.03	140.11	32.00
1075.94	140.17	40.00
1075.94	140.17	42.00
1075.94	140.17	45.00

LOGN	OPER
LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGD	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
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LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
LOGE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER
LOGD	OPER
LOGE	OPER
CORE	OPER
CORE	OPER
CORE	OPER
LOGS	OPER
LOGN	OPER
LOGN	OPER

CDE MF

RESFACS DATABASE

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1075.94	140.17	41.00
1075.94	140.17	36.00
1075.94	140.17	34.00
1085.40	1139.60	140.58
1139.60	1207.00	141.74
1161.90		144.00
1161.90		142.24
1161.90		142.24
1169.82		142.47
1169.82		142.47
1187.50		142.97
1187.50		142.97
1207.00	1229.90	144.00
1229.90	1241.50	145.11
1241.50	1272.50	145.71
1272.50	1276.20	147.50
1276.20	1319.80	147.70
1319.80	1329.30	158.50
1329.30	1371.30	169.47
1371.30	1404.30	173.52
1402.08	2286.00	174.08
1404.30	1482.90	174.12
1482.90	1490.90	175.55
1490.90	1562.10	175.70
1562.10	1576.80	177.00
1576.80	1626.20	179.27
1626.20	1643.90	179.43
1643.90	1667.40	179.49
1667.40	1681.10	179.56
1681.10	1700.00	179.61
1700.00	1703.70	179.67
1703.70	1723.80	179.68
1723.80	1730.50	179.74
1730.50	1738.40	179.76
1738.40	1767.70	179.79
1767.70	1769.50	179.88
1769.50	1777.40	179.89
1777.40	1804.40	179.91
1783.38		179.93
1784.91		179.94
1787.35		179.95
1790.70		179.96
1804.40	1839.30	180.00
1839.30	1848.20	181.62
1848.20	1859.80	182.04
1859.80	1864.00	182.58
1864.00	1876.50	182.77
1876.50	1884.10	183.35
1884.10	1900.60	183.71
1900.60	1922.60	184.47
		185.49

G1 LOGM

LOGN	OPER
LOGD	OPER
LOGE	OPER

LOGN	OPER
LOGN	OPER
LOGN	OPER
LOGN	OPER
LOGN	OPER
LOGN	OPER

CORE	OPER
CORE	OPER
CORE	OPER
CORE	OPER

MS
CDE C

MS
MS
MS
CDDP
CDDU C
LDFM AC
LDFM C
LDFM PB

CDDU C
CDDU PB
CDDU C
CDDU BS
LDFM C
LDFM PB
LDFM C
LDFM OD
LDFM C
LDFM OD
LDFM AC
LDFM C
LDFM AC
LDFM PB
LDFM OD
LDFM PB
LDFM OD

LDFM C
LDFM C
LDFM C
LDFM OD
LDFM C
LDFM C
LDFM C
LDFM C

RESFACS DATABASE

13/05/95

1922.60 1932.30 185.49 185.95
 1932.30 1938.40 185.95 186.23
 1938.40 1969.50 186.23 187.68
 1969.50 1978.00 187.68 188.07
 1978.00 1988.40 188.07 188.55
 1988.40 1998.00 188.55 238.00
 1998.00 2013.40 238.00 287.57
 2013.40 2028.00 287.57 288.12
 2028.00 2039.60 288.12 288.55
 2039.60 2047.60 288.55 288.85
 2047.60 2072.00 288.85 289.76
 2072.00 2087.80 289.76 290.35
 2087.80 2095.10 290.35 290.62
 2095.10 2099.40 290.62 290.78
 2099.40 2104.60 290.78 290.98
 2104.60 2107.60 290.98 291.09
 2107.60 2116.50 291.09 291.42
 2116.50 2122.60 291.42 291.65
 2122.60 2125.00 291.65 291.74
 2125.00 2137.80 291.74 292.22
 2137.80 2142.70 292.22 292.40
 2142.70 2170.70 292.40 293.45
 2170.70 2178.00 293.45 293.72
 2178.00 2200.00 293.72 294.54
 2200.00 2207.30 294.54 294.81
 2207.30 2215.20 294.81 295.11
 2215.20 2221.30 295.11 295.33
 2221.30 2227.40 295.33 295.56
 2227.40 2229.90 295.56 295.66
 2229.90 2240.90 295.66 296.07
 2240.90 2243.90 296.07 296.18
 2243.90 2250.60 296.18 296.43
 2250.60 2251.80 296.43 296.47
 2251.80 2255.50 296.47 296.61
 2255.50 2265.20 296.61 296.97
 2265.20 2286.00 296.97 297.75

LDFM PB
 LDFM PB
 LDFM C
 LDFM AC
 LDFM C
 LDFM PB
 CDDU BS
 CDDU BS
 CDDU PB
 CDDU CS
 CDDU BS
 CDDU BS
 CDDU BS
 CDDU BS
 CDDU PB
 LDFM PB
 LDFM AC
 LDFM PB
 LDFM CS
 LDFM C
 LDFM CS
 LDFM PB
 LDFM PB
 LDFM C
 LDFM AC
 LDFM CS
 LDFM PB
 LDFM C
 LDFM C
 CDDU BS
 CDDU BS
 CDDU C
 CDDU BS
 CDDU PB
 CDDU BS
 CDDU BS
 CDDU BS

Statistics

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	-----POROSITY----- Spot Aver Min Max				-----PERMEABILITY----- Srce Authr Spot Aver Min Max				-----ENVIRONMENT----- KV Srce Auth Env Lndfm				
Min	68.00				3.90											
Max	2286.00	297.75			45.00											
No.	227	226	1	1	143				143	143					83	74
Mean					33.08											

RESFACS DATABASE

13/05/95

Lagrange 1 -18.274278 119.302 Bedout Sub-basin
PEDIN/File numbers: W6820022 82/1623

Broome Arch

Canning Basin

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
154.90	865.00	63.29															MVS	
865.00	910.00	63.29															MS	CSH
910.00	1025.00	65.95															MS	CSH
1025.00	1057.00	69.59															MS	CSH
1057.00	1100.00	74.57															MS	RT
1100.00	1137.00	84.42															MS	CSHM
1137.00	1232.00	91.00															MSS	CSH
1232.00	1287.00	119.00															MS	
1287.00	1322.00	121.17															CDE	C
1322.00	1450.00	122.55															MVS	
1450.00	1595.00	136.08															MS	TF
1595.00	1723.00	132.14															MS	CSH
1723.00	1757.00	167.00															CDDL	IDB
1757.00	1768.00	168.39															CDDU	DC
1768.00	1797.00	168.84															CDDU	DC
1797.00	1806.00	170.03															CDDL	DC
1806.00	1849.00	170.40															CDDL	IDB
1849.00	1865.00	172.16															CDDL	DC
1865.00	1878.00	172.82															CDDL	IDB
1878.00	1898.00	173.35															LDF	
1898.00	1911.00	174.17															LDFM	C
1911.00	1918.00	174.70															CDIS	LA
1918.00	1967.00	174.99															CDIS	BR
1967.00	1974.00	177.00															CDIS	LA
1974.00	2004.00	177.10															CDIS	BR
2004.00	2011.00	177.53															CDIS	LA
2011.00	2051.00	177.63															CDIS	BR
2051.00	2065.00	178.20															CDIS	B
2065.00	2086.00	178.40															CDDU	D
2086.00	2120.00	178.70															LDFM	PB
2120.00	2141.00	179.19															LDFM	BS
2141.00	2146.00	179.49															LDFM	C
2146.00	2177.00	179.56															LDFM	PB
2177.00	2212.00	180.00															LDFM	AC
2212.00	2225.00	182.44															LDFM	PB
2225.00	2240.00	183.35															LDFM	AC
2240.00	2262.00	184.40															LDFM	C
2262.00	2306.00	185.93															LDFM	C
2306.00	2400.00	189.00															CDDU	BS
2400.00	2432.00	194.11															CDDU	C
2432.00	2440.00	195.27															CDDU	C
2440.00	2455.00	195.56															CDDU	
2455.00	2471.00	196.10															CDDU	

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2471.00 2488.00 196.68 197.29
 2488.00 2501.00 197.29 197.76
 2501.00 2516.00 197.76 198.30
 2516.00 2528.00 198.30 198.74
 2528.00 2531.00 198.74 198.84
 2531.00 2545.00 198.84 199.35
 2545.00 2557.00 199.35 199.78
 2557.00 2563.00 199.78 200.00
 2563.00 2580.00 200.00 201.73
 2580.00 2654.00 201.73 209.24
 2654.00 2677.00 209.24 210.27
 2677.00 2697.00 210.27 210.61
 2697.00 2708.00 210.61 210.80
 2708.00 2717.00 210.80 210.96
 2717.00 2742.00 210.96 211.39
 2742.00 2771.00 211.39 211.89
 2771.00 2790.00 211.89 212.22
 2790.00 2813.00 212.22 212.62
 2813.00 2827.00 212.62 212.86
 2827.00 2835.00 212.86 224.00
 2835.00 2850.00 224.00 235.88
 2850.00 2869.00 235.88 237.00
 2869.00 3260.00 237.00 269.30

LDFM BS
 LDFM C
 LDFM BS
 LDFM PB
 LDFM OD
 LDFM PB
 LDFM C
 LDFM PB
 LDFM BS
 LDFB C
 LDFM BS
 LDFM AC
 LDFM BS
 LDFM AC
 LDFM BS
 LDFM BS
 CDDL DC
 CDDL IDB
 CDDL DC
 CDDF
 CDDF
 CDDL IDB
 UNKN

Statistics

Lagrange 1

top	base	-----Ages-----	---SHOWS---	-----POROSITY-----	-----PERMEABILITY-----	ENVIRONMENT
(m)	(m)	(Harland mA)	Show Srce	Spot Aver Min Max Srce Authr	Spot Aver Min Max KV Srce Auth	Env Lndfm
Min	154.90					
Max	3260.00	269.30				
No.	66	65				66 57
Mean						

RESFACS DATABASE

13/05/95

Minilya 1 -18.32465 118.732426 Bedout Sub-basin
PEDIN/File numbers: W6740013 74/116

Canning Basin

top (m)	base (m)	---Ages---		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT		
		(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
176.00	486.00		6.55																MS	CSHI
486.00	615.00	6.55	9.27																MVS	RF
615.00	628.00	9.27	9.55																MVS	R
628.00	1049.00		38.46																MVS	RF
1049.00	1069.00	38.46	39.01																MVS	R
1069.00	1114.00	39.01	40.24																MVS	RF
1114.00	1125.00	40.24	40.55																MVS	R
1125.00	1204.00	40.55	42.72																MVS	RF
1204.00	1265.00	42.72	44.52																MS	CSHI
1265.00	1422.00	44.52	55.38																MS	CSH
1422.00	1600.00	55.38	55.97																MS	CSH
1600.00	1870.00	55.97	83.00																CDE	C
1870.00	1896.00	83.00	91.00																MBA	CSL
1896.00	1914.00	91.00	99.00																MSS	CSH
1914.00	1968.00	99.00	111.50																MSS	CSHO
1968.00	2127.00	111.50	147.50																MSS	CSHM
2127.00	2133.00	147.50	147.20																CDDF	SMB
2133.00	2140.00	147.20	149.21																CDDL	IDB
2140.00	2146.00	149.21	150.00																CDDL	DC
2146.00	2157.00	150.00	162.20																MVS	BB
2157.00	2166.00	162.20	163.55																CDDF	SMB
2166.00	2180.00	163.55	165.65																CDDL	DC
2180.00	2188.00	165.65	166.85																CDDL	IDB
2188.00	2203.00	166.85	173.00																CDDL	DC
2203.00	2210.00	173.00	173.00																CDDL	IDB
2210.00	2212.00	173.00	173.00																CDDP	
2212.00	2224.00	173.00	173.00																CDDL	IDB
2224.00	2235.00	173.00	173.34																CDDU	BS
2235.00	2257.00	173.34	174.58																CDDL	IDB
2257.00	2290.00	174.58	176.44																LDFM	C
2290.00	2296.00	176.44	176.77																LDFM	AC
2296.00	2300.00	176.77	177.00																LDFM	C
2300.00	2318.00	177.00	177.55																LDFM	PB
2318.00	2325.00	177.55	177.76																LDFM	C
2325.00	2335.00	177.76	178.01																LDFM	OD
2335.00	2337.00	178.01	178.03																LDFM	CS
2337.00	2340.00	178.03	178.05																LDFM	PB
2340.00	2352.00	178.05	178.14																LDFM	C
2352.00	2359.00	178.14	178.19																LDFM	PB
2359.00	2364.00	178.19	178.23																LDFM	CS
2364.00	2379.00	178.23	178.34																LDFM	C
2379.00	2387.00	178.34	178.40																LDFM	PB
2387.00	2400.00	178.40	178.50																LDFM	C

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Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT			
top (m)	base (m)	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm	
Min	176.00																				
Max	2400.00	178.50																			
No.	43	42																	43	42	
Mean																					

RESFACS DATABASE

13/05/95

Minjin 1 -16.802153 122.379091 Canning Basin
PEDIN/File numbers: W6840002 84/101

Pender Terrace

top (m)	base (m)	---Ages--- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
54.00	299.00	62.50 138.85															CSF	
299.00	333.00	138.85 140.89															MS	CSHI
333.00	358.00	140.89 142.38															MS	CSHI
358.00	385.00	142.38 144.00															MS	CSHI
385.00	405.00	144.00 144.74															MS	CSH
405.00	412.00	144.74 145.01															MS	CSH
412.00	424.00	145.01 145.45															MS	CSH
424.00	442.00	145.45 146.12															MS	CSH
442.00	479.00	146.12 147.50															MS	CSH
479.00	502.00	147.50 148.97															CSF	
502.00	518.00	148.97 158.50															MS	CSH
518.00	745.00	158.50 222.50															MS	CSH
745.00	762.00	222.50 269.44															MS	CSH
762.00	771.00	269.44 270.20															MS	CSHI
771.00	779.00	270.20 270.87															MS	CSHI
779.00	784.00	270.87 271.30															MS	CSHI
779.75	795.25	270.94 272.25																
784.00	789.00	271.30 271.72															MS	CSHI
789.00	800.00	271.72 272.65															MS	CSHI
800.00	819.00	272.65 274.00															MS	CSHI
819.00	827.00	274.00 274.00															CSF	
827.00	830.00	274.00 274.07															LDG	OD
830.00	835.00	274.07 274.18																
830.00	837.00	274.07 274.22															LDG	C
837.00	868.00	274.22 274.90															LDL	LD
837.25	856.75	274.23 274.66																
868.00	884.00	274.90 275.26															LDL	LD
869.50	876.25	274.94 275.09																
884.00	897.00	275.26 275.54															LDFL	LD
884.50	890.50	275.27 275.40																
897.00	918.00	275.54 276.01															LDFL	LD
905.25	909.00	275.73 275.81																
918.00	943.00	276.01 276.56															LDFL	LD
924.75	934.00	276.16 276.36																
943.00	963.00	276.56 277.00															LDFL	LD
943.25	956.75	276.56 276.86																
963.00	977.00	277.00 277.00															LDFL	LD
963.25	974.00	277.00 277.00																
977.00	1036.00	277.00 277.00															LDG	C
977.00	1052.25	277.00 277.00																
1036.00	1139.00	277.00 277.00															LDG	
1057.50	1069.25	277.00 277.00																
1071.00	1076.50	277.00 277.00																

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1077.50	1078.25	277.00	277.00	13.50	LOGE	OPER	
1079.25	1083.00	277.00	277.00	27.10	LOGE	OPER	
1084.25	1087.25	277.00	277.00	13.70	LOGE	OPER	
1088.00	1090.50	277.00	277.00	24.60	LOGE	OPER	
1095.50	1115.25	277.00	277.00	22.80	LOGE	OPER	
1119.00	1123.00	277.00	277.00	25.70	LOGE	OPER	
1126.25	1130.25	277.00	277.00	14.20	LOGE	OPER	
1132.75	1139.25	277.00	277.00	22.20	LOGE	OPER	
1139.00	1142.00	277.00	277.00				CSF
1141.00	1152.00	277.00	277.00	22.90	LOGE	OPER	
1142.00	1236.00	277.00	277.00				LDG
1155.25	1163.75	277.00	277.00	23.80	LOGE	OPER	
1163.75	1173.50	277.00	277.00	18.40	LOGE	OPER	
1175.50	1193.00	277.00	277.00	20.40	LOGE	OPER	
1199.75	1207.25	277.00	277.00	20.50	LOGE	OPER	
1212.75	1215.75	277.00	277.00	22.20	LOGE	OPER	
1224.25	1226.00	277.00	277.00	25.30	LOGE	OPER	
1235.50	1265.25	277.00	277.00	24.90	LOGE	OPER	
1236.00	1264.00	277.00	277.00				LDG C
1264.00	1288.00	277.00	277.70				LDG AC
1272.00	1281.00	277.19	277.48	15.50	LOGE	OPER	
1288.00	1337.00	277.70	279.26				LDG C
1288.00	1338.00	277.70	279.29	23.20	LOGE	OPER	
1337.00	1346.00	279.26	279.54				LDG OD
1343.75	1389.75	279.47	280.94	22.90	LOGE	OPER	
1346.00	1391.00	279.54	280.98				LDG C
1391.00	1476.00	280.98	283.68				IGN
1476.00	1549.00	283.68	328.00				LDG C
1476.25	1501.00	283.69	284.47	18.50	LOGE	OPER	
1509.50	1549.50	284.74	370.21	22.00	LOGE	OPER	
1549.00	1850.00	328.00	381.75				MVS RB
1549.75	1850.00	370.31	381.75	13.80	LOGE	OPER	
1586.00	1675.00	376.57	376.85	G1	LOGM		
1678.00	1765.00	376.86	378.55	G1	LOGM		
1788.00	1800.00	379.41	379.87	G1	LOGM		
1820.00	1845.00	380.62	381.56	G1	LOGM		

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT			
top	base	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm	
(m)	(m)																				
Min	54.00	62.50					13.50														
Max	1850.00	381.75					28.70														
No.	79	79		4	4		34				34	34							41	34	
Mean							22.35														

RESFACS DATABASE

13/05/95

North Turtle 1 -18.909806 118.088222 Beagle Sub-basin
PEDIN/File numbers: W6820007 82/960

Carnarvon Basin

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	-----POROSITY----- Spot Aver Min Max Srce Authr	-----PERMEABILITY----- Spot Aver Min Max KV Srce Auth	ENVIRONMENT Env Lndfm
152.80	795.00	34.01				MS CSHM
795.00	842.00	34.01				MS CSHM
842.00	862.00	36.49				CDE C
862.00	872.00	37.55				CDE LA
872.00	881.00	38.08				CDE LA
881.00	907.00	38.56				MS CSHI
907.00	962.00	39.33				MS CSHI
962.00	1003.00	42.05				MS CSHI
1003.00	1025.00	44.67				MS CSHM
1025.00	1094.50	46.07				MS CSHI
1094.50	1294.00	50.50				MS CSHI
1294.00	1372.00	59.45				MS CSHI
1372.00	1450.00	60.43				MS CSHI
1450.00	1453.50	64.07				MS CSHI
1453.50	1502.00	67.50				MS CSHO
1502.00	1522.00	73.91				MS CSHM
1522.00	1706.00	76.51				MS CSHO
1700.00	2700.00	89.09	G1 LOGM	171.72		
1706.00	1767.00	91.00		111.50		MS CSHO
1767.00	1786.00	111.50		125.00		MS CSHO
1786.00	1822.00	125.00		126.86		MS CSHI
1822.00	1841.00	126.86		137.00		CDE C
1841.00	1881.00	137.00		137.38		MS CSHM
1881.00	2088.00	137.38		139.38		MS CSHI
2088.00	2096.00	139.38		139.46		CDE C
2096.00	2170.00	139.46		142.59		MS CSHI
2170.00	2188.00	142.59		143.38		MS CSHI
2188.00	2202.00	143.38		144.00		MS CSHI
2202.00	2217.00	144.00		146.50		MS CSHI
2217.00	2223.00	146.50		154.75		CDE C
2223.00	2246.00	154.75		164.16		CDDL IDB
2246.00	2268.00	164.16		164.77		CDP B
2268.00	2295.00	164.77		165.52		CDDL IDB
2295.00	2365.00	165.52		167.00		CDDL IDB
2365.00	2382.00	167.00		167.29		CDP C
2382.00	2393.00	167.29		167.48		CDP C
2393.00	2402.00	167.48		167.63		CDP CS
2402.00	2408.00	167.63		167.73		CDP C
2408.00	2421.00	167.73		167.95		CDP C
2421.00	2427.00	167.95		168.06		CDP C
2427.00	2437.00	168.06		168.23		CDP C
2437.00	2442.00	168.23		168.31		CDP C
2442.00	2456.00	168.31		168.55		CDP PB

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2456.00	2494.00	168.55	169.20
2494.00	2506.00	169.20	169.40
2506.00	2525.00	169.40	169.73
2525.00	2537.00	169.73	169.93
2537.00	2563.00	169.93	170.37
2574.00	2588.00	170.56	170.69
2588.00	2596.00	170.69	170.77
2596.00	2621.00	170.77	171.00
2621.00	2629.00	171.00	171.07
2629.00	2634.00	171.07	171.12
2634.00	2642.00	171.12	171.19
2642.00	2654.00	171.19	171.30
2654.00	2663.00	171.30	171.38
2663.00	2676.00	171.38	171.50
2676.00	2679.00	171.50	171.53
2679.00	2683.00	171.53	171.57
2683.00	2692.00	171.57	171.65
2692.00	2694.00	171.65	171.67
2694.00	2704.00	171.67	171.76
2704.00	2717.00	171.76	171.88
2717.00	2732.00	171.88	172.02
2732.00	2735.00	172.02	172.05
2735.00	2738.00	172.05	172.07
2738.00	2741.00	172.07	172.10
2741.00	2746.00	172.10	172.15
2746.00	2757.00	172.15	172.25
2757.00	2765.00	172.25	172.32
2765.00	2783.00	172.32	172.49
2783.00	2792.00	172.49	172.57
2792.00	2798.00	172.57	172.63
2798.00	2806.00	172.63	172.69
2806.00	2822.00	172.69	172.82
2822.00	2833.00	172.82	172.91
2833.00	2847.00	172.91	173.03
2847.00	2857.00	173.03	173.11
2857.00	2860.00	173.11	173.14
2860.00	2865.00	173.14	173.18
2865.00	2880.00	173.18	173.30
2880.00	2883.00	173.30	173.33
2883.00	2906.00	173.33	173.52
2906.00	2917.00	173.52	173.61
2917.00	2933.00	173.61	173.74
2933.00	2962.00	173.74	173.98
2962.00	2975.00	173.98	174.08
2975.00	2989.00	174.08	174.20
2989.00	3010.00	174.20	174.37
3010.00	3030.00	174.37	174.54
3030.00	3065.00	174.54	174.83
3065.00	3097.00	174.83	175.09

CDP	C
CDP	PB
CDP	PB
CDP	PB
CDP	C
CDP	C
CDP	PB
CDP	C
CDDL	PB
CDDL	PB
CDDL	PB
CDDL	PB
CDDL	IDB
CDDL	PB
CDDL	IDB
CDDL	IDB
CDDL	CS
CDDL	IDB
CDDL	IDB
CDDL	PB
CDDL	C
CDDL	C
CDDU	OD
CDDU	CS
CDDU	OD
CDDU	PB
CDDU	PB
CDDU	C
CDDU	C
LDF	PB
LDF	PB
LDF	PB
LDF	C
LDF	PB
LDF	C
LDF	PB
LDF	AC
LDF	C
LDF	PB
LDF	C
LDF	C
LDF	OD
LDF	PB
LDF	C
LDF	OD
LDF	PB
LDF	PB
LDF	OD
LDF	PB
LDF	PB

RESFACS DATABASE

13/05/95

3097.00	3135.00	175.09	175.40
3135.00	3163.00	175.40	175.63
3163.00	3178.00	175.63	175.76
3178.00	3203.00	175.76	177.00
3203.00	3220.00	177.00	177.27
3220.00	3230.00	177.27	177.42
3230.00	3236.00	177.42	177.52
3236.00	3243.00	177.52	177.63
3243.00	3253.00	177.63	177.79
3253.00	3262.00	177.79	177.93
3262.00	3265.00	177.93	177.97
3265.00	3277.00	177.97	178.16
3277.00	3284.00	178.16	178.27
3284.00	3289.00	178.27	178.35
3289.00	3302.00	178.35	178.55
3302.00	3304.00	178.55	178.57
3304.00	3311.00	178.57	178.66
3311.00	3328.00	178.66	178.85
3328.00	3332.00	178.85	178.90
3332.00	3343.00	178.90	179.03
3343.00	3385.00	179.03	180.00
3385.00	3408.00	180.00	180.59
3393.00		180.21	
3393.00		180.21	
3408.00	3435.00	180.59	181.29
3435.00	3446.00	181.29	181.57
3446.00	3476.00	181.57	182.34
3476.00	3495.00	182.34	182.83
3495.00	3557.00	182.83	184.42
3557.00	3577.00	184.42	184.94
3577.00	3584.00	184.94	185.12
3584.00	3595.00	185.12	185.40
3595.00	3605.00	185.40	185.66
3605.00	3638.00	185.66	186.51
3638.00	3650.00	186.51	186.81
3650.00	3664.00	186.81	187.17
3664.00	3674.00	187.17	187.43
3674.00	3706.00	187.43	188.25
3706.00	3724.00	188.25	188.72
3724.00	3729.00	188.72	188.85
3729.00	3735.00	188.85	189.00
3735.00	3754.00	189.00	189.17
3754.00	3779.00	189.17	189.39
3779.00	3800.00	189.39	189.58
3800.00	3825.00	189.58	189.80
3825.00	3882.00	189.80	190.31
3841.00	4420.00	189.95	205.00
3882.00	3903.00	190.31	190.50
3903.00	3925.00	190.50	191.45

L1 WCR
G1 WCR

13.00 17.00 LOGN OPER

LDF OD
LDF PB
LDF C
LDF C
CDDU PB
CDDU CS
CDDU PB
CDDU PB
CDDU PB
CDDU CS
CDDU PB
CDDU OD
CDDU CS
CDDU OD
CDDU CS
CDDU CS
CDDU CS
LDFM C
LDFB AF
CDDL PB
CDDP DFS
CDE C

CDE C
CDIS MF
CDE C
CDE C
CDDL IDB
CDE D
CDE C
CDIS PB
CDIS MF
CDIS C
CDIS C
CDIS C
CDDL PB
CDDP DFS
CDDP DFS
CDE C
CDDL IDB
CDDL IDB
CDIS CS
CDIS C
CDIS C
CDIS MF

CDIS MF
CDIS MF

RESFACS DATABASE

12/05/95

3925.00	3937.00	191.45	191.98		
3937.00	3950.00	191.98	192.54		
3950.00	3954.00	192.54	192.71		
3954.00	3958.00	192.71	192.89		
3958.00	3964.00	192.89	193.07		
3964.00	3997.00	193.07	194.02		
3997.00	4042.00	194.02	195.23		
4042.00	4085.00	195.23	196.39		
4085.00	4115.00	196.39	197.20		
4115.00	4139.00	197.20	197.85		
4139.00	4162.00	197.85	198.46		
4162.00	4191.00	198.46	199.25		
4191.00	4219.00	199.25	200.00		
4195.00		199.35		L1	WCR
4195.00		199.35		G1	WCR
4219.00	4230.00	200.00	200.27		
4230.00	4270.00	200.27	201.27		
4270.00	4297.00	201.27	201.94		
4297.00	4316.00	201.94	202.41		
4316.00	4330.00	202.41	202.76		
4330.00	4344.00	202.76	203.11		
4344.00	4352.00	203.11	203.31		
4352.00	4372.00	203.31	203.81		
4372.00	4383.00	203.81	204.08		
4383.00	4393.00	204.08	204.33		
4393.00	4412.00	204.33	204.80		
4412.00	4420.00	204.80	205.00		

CDDL PB
CDDL PB
CDDL CS
CDDL C
CDDL CS
CDDP DFS
CDDL IDB
CDDP DFS
CDIS MF
CDDP DFS
CDDP DFS
CDDP DFS
CDDP

CDDP
CDDL IDB
CDDP DFS
CDP BB
CDP BB
CDP BB
CDP LA
CDP BB
CDP BB
CDP LA
CDP BB
CDP LA

Statistics		-----Ages-----	--SHOWS--	-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT								
top	base	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	152.80							13.00	17.00											
Max	4420.00	205.00						13.00	17.00											
No.	168	167		5	5			1	1	1	1							162	160	
Mean								13.00	17.00											

RESFACS DATABASE

12/05/95

Pearl 1 (Home Energy) -17.851139 122.0278 Canning Basin
PEDIN/File numbers: W6830068 83/584

Fitzroy Trough

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48.50	86.00	125.00															MSS	RB
86.00	342.00	125.00															CSF	
342.00	501.00	144.00															MS	CSH
501.00	519.00	147.50															CDDU	BS
519.00	527.00	148.04															CDDF	SMB
527.00	535.00	148.28															CDDU	PB
535.00	561.00	148.52															CDDF	SMB
561.00	584.00	149.31															LDFM	C
584.00	609.00	158.50															LDFM	PB
609.00	705.00	168.95															LDFM	C
705.00	712.00	176.45															CDDL	IDB
712.00	741.00	222.50															CDDL	DC
741.00	757.00	268.92															CDDF	SMB
757.00	763.00	269.42															CDDL	IDB
763.00	781.00	269.61															CDDF	
763.00	873.00	269.61															CDDL	IDB
873.00	902.00	273.08															CDDL	IDB
902.00	928.00	274.00															CDDF	
902.00	1134.00	274.00																
928.00	938.00	276.05															CDDL	DC
938.00	952.00	276.84															CDDL	IDB
952.00	974.00	277.00															CDDL	IDB
974.00	991.00	277.99															CDDL	DC
991.00	1001.00	278.75															CDDL	DC
1001.00	1012.00	279.19															CDDL	IDB
1012.00	1049.00	279.69															CDDF	SMB
1049.00	1059.00	281.34															CDDL	DC
1059.00	1076.00	281.79															CDDF	SMB
1076.00	1083.00	282.55															CDDL	DC
1083.00	1089.00	282.87															CDDL	CS
1089.00	1131.00	283.13															CDDL	DC
1131.00	1153.00	285.01															CDDF	
1153.00	1159.00	298.00															CDDL	DC
1159.00	1201.00	310.09															CDDL	CS
1201.00	1208.00	310.75															CDDL	IDB
1202.00	1382.00	310.77															CDDL	IDB
1208.00	1220.00	310.86																
1220.00	1230.00	311.05															CDDL	CS
1230.00	1237.00	311.21															CDDL	DC
1237.00	1248.00	311.32															CDDL	CS
1248.00	1257.00	311.49															CDDL	DC
1257.00	1264.00	311.63															CDDU	C
1264.00	1267.00	311.74															CDDU	BS
																	CDDU	PB

22.50 30.00 LOGE OPER

20.00 25.00 LOGE OPER

RESFACS DATABASE

12/05/95

1267.00	1276.00	311.79	311.93
1276.00	1294.00	311.93	312.22
1294.00	1334.00	312.22	312.84
1334.00	1344.00	312.84	313.00
1344.00	1360.00	313.00	313.25
1360.00	1363.00	313.25	313.30
1363.00	1375.00	313.30	313.49
1375.00	1381.00	313.49	313.58
1381.00	1390.00	313.58	313.72
1390.00	1443.00	313.72	314.56
1443.00	1479.00	314.56	315.12
1479.00	1491.00	315.12	315.31
1491.00	1528.00	315.31	315.89
1528.00	1567.00	315.89	316.51
1567.00	1575.00	316.51	316.63
1575.00	1580.00	316.63	316.71
1580.00	1635.00	316.71	317.57
1590.00	1680.00	316.87	318.28
1590.00	1853.00	316.87	321.00
1635.00	1641.00	317.57	317.67
1641.00	1678.00	317.67	318.25
1678.00	1693.00	318.25	318.49
1693.00	1699.00	318.49	318.58
1699.00	1708.00	318.58	318.72
1708.00	1725.00	318.72	318.99
1725.00	1741.00	318.99	319.24
1741.00	1754.00	319.24	319.44
1754.00	1768.00	319.44	319.66
1768.00	1793.00	319.66	320.06
1793.00	1853.00	320.06	321.00
1853.00	1869.00	321.00	340.00
1869.00	1891.00	340.00	340.00
1880.00	2030.00	340.00	340.00
1891.00	1903.00	340.00	340.00
1903.00	1918.00	340.00	340.00
1918.00	1935.00	340.00	340.00
1935.00	1945.00	340.00	340.00
1945.00	1955.00	340.00	340.00
1955.00	1970.00	340.00	340.00
1970.00	1975.00	340.00	340.00
1975.00	1983.00	340.00	340.00
1983.00	1990.00	340.00	340.00
1990.00	2001.00	340.00	340.00
2001.00	2009.00	340.00	340.00
2009.00	2026.00	340.00	340.00
2026.00	2032.00	340.00	340.00
2032.00	2052.00	340.00	340.56
2050.00	2200.00	340.50	352.62
2052.00	2081.00	340.56	341.36

G1 LOGM

9.00 20.40 LOGE OPER

G1 LOGM

G1 LOGM

CDDU PB
LDFM PB
LDFB C
LDFM PB
LDFB C
CDDU BS
LDFB C
CDDL DC
CDDL CS
CDDL IDB
CDDL IDB
CDDU PB
CDDU BS
CDDL IDB
CDDL DC
CDDL DC
CDDL DC

CDDL DC
CDDL DC
MVS
MVS
MVS
MVS
MVS
MVS
MVS
MVS
MVS
MS

[illegible]

CDE

RESFACS DATABASE

12/05/95

2081.00	2094.00	341.36	341.72
2094.00	2098.00	341.72	341.83
2098.00	2104.00	341.83	342.00
2104.00	2113.00	342.00	342.25
2113.00	2122.00	342.25	342.50
2122.00	2140.00	342.50	343.00
2140.00	2144.00	343.00	343.64
2144.00	2203.00	343.64	353.10

CDIS	MF
CDE	C
CDE	C
MVS	
MVS	
MVS	
MVS	
IGN	

[illegible]

RESFACS DATABASE

Perindi 1 -16.828386 122.263148 Canning Basin
PEDIN/File numbers: W6830012 83/586

Lennard Shelf

12/05/95

top (m)	base (m)	---Ages--- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
44.00	228.00	62.50	133.33															CSF
228.00	258.00	133.33	134.69															CSFL
258.00	288.00	134.69	136.05															CDE C
288.00	309.00	136.05	137.00															CDE C
309.00	336.00	137.00	138.48															CDDP
336.00	360.00	138.48	139.79															CSFL
360.00	382.00	139.79	140.99															CDDP
382.00	407.00	140.99	142.36															CSFL
407.00	437.00	142.36	144.00															CDDP
437.00	447.00	144.00	144.41															CSFL
447.00	457.00	144.41	144.82															CSFL
457.00	463.00	144.82	145.07															CSFL
463.00	470.00	145.07	145.36															CSFL
470.00	505.00	145.36	146.80															MS CSHI
505.00	522.00	146.80	147.50															CSFL
522.00	538.00	147.50	158.50															MS CSHO
538.00	751.00	158.50	177.00															CDE
538.00	827.00	158.50	179.96		24.90				LOGE OPER									
751.00	828.00	177.00	224.00															CDE
827.00	877.00	179.96	274.00		15.30				LOGE OPER									
828.00	831.00	224.00	273.81															MS CSHI
830.00	865.00	273.80	273.95	L2					LOGM									
831.00	836.00	273.81	273.83															CSFL
836.00	869.00	273.83	273.97															MS CSHI
869.00	877.00	273.97	274.00															CSFL
870.00	872.00	273.97	273.98	L2					LOGM									
872.00	877.00	273.98	274.00	G1					LOGM									
872.00	877.00	273.98	274.00	L2					LOGM									
872.00	877.17	273.98	277.00		5.70	.90	8.10	CORE	AMDL	.1							CORE CLAB	
877.00	894.00	274.00	277.00															CDDL C
877.00	1772.00	274.00	331.00		21.40				LOGE OPER									
894.00	897.00	277.00	277.00															CSFL
897.00	913.00	277.00	277.00															CDDL C
900.00	1130.00	277.00	277.00	L1					LOGM									
900.00	1130.00	277.00	277.00	G1					LOGM									
913.00	917.00	277.00	277.00															CSFL
917.00	930.00	277.00	277.00															CDDL C
930.00	947.00	277.00	277.00															CDDP DFS
947.00	952.00	277.00	277.00															CSFL
952.00	975.00	277.00	277.00															CDDL IDB
975.00	995.00	277.00	277.00															CDDL PB
995.00	1022.00	277.00	277.00															CDDP DFS
1022.00	1113.00	277.00	277.00															LDFM OD

12/05/95

1113.00	1165.00	277.00	277.00		
1165.00	1192.00	277.00	277.00		
1192.00	1225.00	277.00	277.00		
1225.00	1257.00	277.00	277.00		
1257.00	1267.00	277.00	277.00		
1267.00	1294.00	277.00	277.00		
1294.00	1327.00	277.00	277.00		
1327.00	1379.00	277.00	277.00		
1379.00	1533.00	277.00	277.00		
1533.00	1772.00	277.00	331.00		
1620.00	1630.00	280.08	281.26	L3	LOGM
1660.00	1670.00	284.82	286.50	L1	LOGM
1660.00	1670.00	284.82	286.50	G1	LOGM
1771.00	1778.00	309.77	361.50	L3	WCR
1772.00	1778.00	331.00	361.50		
1778.00	1801.00	361.50	378.23	L3	LOGM
1778.00	1801.00	361.50	378.23	G1	LOGM
1778.00	1855.00	361.50	381.11		
1778.00	1867.00	361.50	381.75		
1800.00	1870.00	378.17	382.36	G1	LOGM

LDL
LDF PB
LDLFL
LDLFL LD
LDFB C
LDFB C
LDFB C
LDFB C
IGN
LDFB AF

MS CSH

MVS RB

Statistics																					
top (m)	base (m)	-----Ages----- (Harland mA)		--SHOWS-- Show Srce		-----POROSITY----- Spot Aver Min Max Srce Authr						-----PERMEABILITY----- Spot Aver Min Max KV Srce Auth						----- ENVIRONMENT ----- Env Lndfm			
Min	44.00	62.50				5.70	0.90	8.10				0.1									
Max	1870.00	382.36				24.90	0.90	8.10				0.1									
No.	63	63		13	13		5	1	1		5	5	1					1	1	45	23
Mean						15.40	0.90	8.10				0.1									

RESFACS DATABASE

12/05/95

Phoenix 1 -18.635292 118.7854 Bedout Sub-basin
PEDIN/File numbers: W6800002 80/491

Canning Basin

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	-----POROSITY----- Spot Aver Min Max Srce Authr	-----PERMEABILITY----- Spot Aver Min Max KV Srce Auth	ENVIRONMENT Env Lndfm
169.40	508.00	0.01 9.98				MS CSH
508.00	800.00	9.98 26.32				MS CSHI
800.00	822.00	26.32 38.07				CDE C
822.00	850.00	38.07 39.70				MVS RB
850.00	915.00	39.70 42.72				MS CSHI
915.00	978.00	42.72 52.30				MVS CSHI
978.00	1060.00	52.30 55.99				MS CSHM
1060.00	1072.00	55.99 56.69				MS CSHM
1072.00	1154.00	56.69 65.00				MS CSHM
1154.00	1180.00	65.00 70.00				MS CSHI
1180.00	1216.00	70.00 71.31				MS CSHI
1216.00	1233.00	71.31 71.94				MVS OB
1233.00	1260.00	71.94 72.89				MS CSHI
1260.00	1265.00	72.89 73.06				MVS OB
1265.00	1353.00	73.06 77.29				MS CSHI
1353.00	1440.00	77.29 83.00				MS CSHI
1440.00	1490.00	83.00 91.00				MS CSHI
1490.00	1526.00	91.00 99.00				MS CSHM
1526.00	1547.00	99.00 111.50				CDE C
1547.00	1625.00	111.50 134.77				MS CSHM
1625.00	1633.00	134.77 137.00				CDE C
1633.00	1667.00	137.00 138.73		14.00	LOGE OPER	
1633.00	1667.50	137.00 138.76				
1667.00	1782.00	138.73 141.81		22.00	LOGE OPER	MS CSHI
1667.50	1703.00	138.76 139.90				
1703.00	1723.00	139.90 140.29				MS CSHI
1723.00	1782.00	140.29 141.81				MS CSHI
1782.00	1795.00	141.81 142.17				MS CSHI
1795.00	1803.50	142.17 142.40				CDDP
1795.00	1804.00	142.17 142.41				CDE C
1803.50	1812.00	142.40 142.63		27.00	LOGE OPER	
1812.00	1849.00	142.63 143.64				CDDP
1813.00	1849.00	142.66 143.64				CSF
1849.00	1862.00	143.64 144.00		25.00	LOGE OPER	
1862.00	1882.00	144.00 147.50				CDDP
1862.00	1897.00	144.00 149.47				CSF
1882.00	1901.00	147.50 158.50		23.00	LOGE OPER	
1901.00	1930.00	158.50 168.01				CSF
1901.00	2078.00	158.50 176.33				CDIS C
1930.00	1957.00	168.01 168.95		24.00	LOGE OPER	
1957.00	1987.00	168.95 170.00				CDIS C
1987.00	1996.00	170.00 170.31				CDIS C
1996.00	2009.00	170.31 170.77				CDIS PB

RESFACS DATABASE

12/05/95

2009.00	2039.00	170.77	171.81
2039.00	2056.50	171.81	172.42
2056.50	2079.00	172.42	177.00
2078.00	2523.00	176.33	190.50
2079.00	2118.00	177.00	177.74
2118.00	2142.50	177.74	178.21
2142.50	2189.50	178.21	179.10
2189.50	2227.00	179.10	179.81
2227.00	2237.00	179.81	180.00
2237.00	2277.00	180.00	181.66
2277.00	2302.00	181.66	182.70
2302.00	2351.00	182.70	184.73
2351.00	2387.00	184.73	186.22
2387.00	2400.00	186.22	186.76
2400.00	2425.00	186.76	187.80
2425.00	2429.00	187.80	187.96
2429.00	2433.00	187.96	188.13
2433.00	2436.50	188.13	188.27
2436.50	2454.00	188.27	189.00
2454.00	2510.00	189.00	190.22
2510.00	2523.00	190.22	190.50
2523.00	2553.00	190.50	194.13
2523.00	2881.00	190.50	211.81
2553.00	2557.00	194.13	194.28
2557.00	2586.00	194.28	195.36
2586.00	2616.00	195.36	196.47
2616.00	2640.00	196.47	197.36
2640.00	2664.00	197.36	198.25
2664.00	2700.00	198.25	199.59
2700.00	2711.00	199.59	200.00
2711.00	2724.50	200.00	201.12
2724.50	2739.00	201.12	202.32
2739.00	2767.00	202.32	204.65
2767.00	2780.00	204.65	205.73
2780.00	2797.00	205.73	207.14
2797.00	2825.00	207.14	209.46
2825.00	2850.00	209.46	210.68
2850.00	2881.00	210.68	211.81
2881.00	2898.00	211.81	212.43
2881.00	2900.00	211.81	212.51
2898.00	2913.50	212.43	217.50
2900.00	2913.50	212.51	217.50
2913.50	2950.00	217.50	222.85
2950.00	2964.00	222.85	223.18
2951.00	2958.00	222.88	223.04
2964.00	2985.00	223.18	223.67
2964.50	2968.50	223.19	223.29
2985.00	3002.00	223.67	224.07
3002.00	3055.00	224.07	225.31

22.00

LOGE OPER

21.00

LOGE OPER

17.00

LOGE OPER

12.00

LOGE OPER

20.00

LOGE OPER

18.00

LOGE OPER

CDIS C
CDIS PB
CDIS C

CDIS C
CDIS C
CDIS C
CDIS C
CDIS PB
CDDL C
CDDL C
CDDL C
CDDL C
CDDL CS
CDDL D
CDDL CS
CDDL C
CDDL CS
CDDL PB
CDDL PB
CDDL C
CDP LA

CDP CS
CDP LA
CDP B
MVS BB
MVS BB
CSF
CDP LA
CDDP DFS
CDIS C
CDIS PB
CDIS PB
CDIS PB
CDIS PB
CDDL IDB
CDIS C
CDIS C

CDIS C

CDDP DFS
CDDP DFS

CDDP DFS

CSF
CDIS MF

RESFACS DATABASE

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[illegible]

RESFACS DATABASE

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3420.50	232.42	13.30
3420.75	232.42	13.00
3421.00	232.43	16.20
3421.25	232.43	14.00
3421.50	232.43	16.90
3421.70	232.43	17.30
3421.71	232.43	
3422.00	232.44	15.70
3422.25	232.44	15.60
3422.50	232.44	17.20
3422.75	232.45	15.70
3423.00	232.45	16.80
3423.27	232.45	17.40
3423.50	3432.09	232.46 232.55 L1 CORE
3423.50	3432.09	232.46 232.55 G1 CORE
3423.50	232.46	2.60
3423.75	232.46	2.50
3425.00	232.47	
3428.50	3468.00	232.51 232.97
3460.00	3468.00	232.88 232.97
3468.00	3485.50	232.97 233.17
3470.00	3485.50	232.99 233.17
3485.50	3505.00	233.17 233.40
3485.50	3542.50	233.17 233.83
3505.00	3542.00	233.40 233.83
3542.00	3563.00	233.83 234.07
3563.00	3582.00	234.07 234.29
3567.50	3631.00	234.12 234.86
3582.00	3643.00	234.29 235.00
3632.50	3643.00	234.88 235.00
3643.00	3748.00	235.00 237.14
3748.00	3764.00	237.14 237.47
3764.00	3775.00	237.47 237.69
3775.00	3786.50	237.69 237.93
3785.00	3850.00	237.90 239.19 L2 WCR
3785.00	3850.00	237.90 239.19 G1 WCR
3786.50	3839.00	237.93 239.00
3839.00	3849.00	239.00 239.17
3849.00	3896.00	239.17 239.96
3896.00	3954.50	239.96 240.40
3954.50	4004.00	240.40 240.71
3995.00	4075.00	240.67 240.85 L1 WCR
3995.00	4075.00	240.67 240.85 G1 WCR
4004.00	4061.00	240.71 240.82
4061.00	4091.00	240.82 240.89
4080.00	4095.00	240.86 240.89 L1 WCR
4080.00	4095.00	240.86 240.89 G1 WCR
4091.00	4113.50	240.89 240.93
4113.00	4130.00	240.93 240.97 G1 WCR

CORE	CLAB	315.0
CORE	CLAB	23.0
CORE	CLAB	74.0
CORE	CLAB	.7
CORE	CLAB	29.0
CORE	CLAB	
CORE	CLAB	24.0
CORE	CLAB	30.0
CORE	CLAB	17.0
CORE	CLAB	45.0
CORE	CLAB	84.0
CORE	CLAB	
CORE	CLAB	20.0

CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB
CORE	CLAB

CORE	CLAB	.0
CORE	CLAB	.0
CORE	CLAB	8.6

CORE	CLAB
CORE	CLAB
CORE	CLAB

CDP LA

CDDL PB

CDP B

CDP B
CDP
CSF

CDP B

MVS RB
MVS RF
MVS RF
MVS RF

CDDL IDB
CDDL PB
CDDL IDB
CDDL IDB
CDDL DC

CDDL IDB
CSF

CDDP

RESFACS DATABASE

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[illegible]

RESFACS DATABASE

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4642.00 4667.00 242.01 242.06
 4667.00 4721.50 242.06 242.18
 4675.00 4695.00 242.08 242.12 L1 WCR
 4675.00 4695.00 242.08 242.12 G1 WCR
 4721.50 4744.00 242.18 242.22
 4744.00 4759.50 242.22 242.25
 4745.00 4760.00 242.22 242.25
 4749.00 4760.00 242.23 242.25 L1 WCR
 4749.00 4760.00 242.23 242.25 G1 WCR
 4759.50 4829.00 242.25 242.40
 4829.00 4839.00 242.40 242.42 L1 WCR
 4829.00 4839.00 242.40 242.42 G1 WCR
 4829.00 4849.00 242.40 242.44
 4829.50 4839.00 242.40 242.42
 4849.00 4880.00 242.44 242.50

9.50

LOGE OPER

CDDP
CDDP

CDDP
CDDL PB

CDDL IDB

CDDP DFS

CDDP DFS

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----						ENVIRONMENT				
top (m)	base (m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	169.40	0.01				2.50	6.00					0.0								
Max	4880.00	242.50				20.70	27.00					1682.0								
No.	254	254		36	36	39	32			71	71	29					29	29	146	121
Mean						13.71	15.75					254.0								

RESFACS DATABASE

Phoenix 2 -18.602194 118.842526 Bedout Sub-basin
PEDIN/File numbers: W6820100 82/819

Canning Basin

12/05/95

top (m)	base (m)	-----Ages----- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	ENVIRONMENT Env Lndfm
154.30	805.00	39.68	48.19														MS CSHM
805.00	919.00	39.68	48.19														MS CSHI
919.00	1044.00	48.19	58.20														MS CSHM
1044.00	1100.00	58.20	62.79														MS CSHM
1100.00	1127.00	62.79	65.00														MS CSHM
1127.00	1160.00	65.00	70.00														MS CSHO
1160.00	1187.00	70.00	71.46														MS CSHI
1187.00	1204.00	71.46	72.38														CSFL CSHI
1204.00	1219.00	72.38	73.20														MS CSHI
1219.00	1226.00	73.20	73.58														CSFL
1226.00	1285.00	73.58	76.77														MS CSHI
1285.00	1342.00	76.77	79.86														MS CSHI
1342.00	1356.00	79.86	80.62														MS CSHO
1356.00	1393.00	80.62	82.62														MS CSHM
1393.00	1423.00	82.62	85.83														MS CSHM
1423.00	1504.00	85.83	99.00														MS CSHM
1504.00	1514.00	99.00	100.28														MSS CSHM
1514.00	1538.00	100.28	103.36														MSS CSHI
1538.00	1543.00	103.36	111.50														CDE C
1543.00	1588.00	111.50	125.00														MS CSHM
1588.00	1625.00	125.00	129.72														CSFL
1625.00	1640.00	129.72	131.64														CSFL
1640.00	1653.00	131.64	133.30														CSF
1653.00	1668.00	133.30	139.33														MS CSHI
1668.00	1682.00	139.33	137.00														CDE C
1682.00	1697.00	137.00	139.69														MS CSHI
1697.00	1735.00	139.69	139.93														CSF
1735.00	1764.00	139.93	140.12														CSF
1764.00	1771.00	140.12	140.16														CSF
1771.00	1783.00	140.16	140.24														MS CSHI
1783.00	1795.00	140.24	140.32														CSF
1795.00	1808.00	140.32	140.40														MS CSHI
1808.00	1817.00	140.40	140.46														CDE C
1817.00	1825.00	140.46	140.63														MS CSHM
1825.00	1829.00	140.63	141.13														CSF
1829.00	1839.00	141.13	142.38														CDE C
1839.00	1844.00	142.38	143.00														MS CSHM
1844.00	1852.00	143.00	145.75														MS CSHI
1852.00	1859.00	145.75	147.98														CSF
1859.00	1867.00	147.98	158.50														CSF
1867.00	1878.00	158.50	167.24														LDFB C
1878.00	1924.00	167.24	168.23														LDFB C
1924.00	1947.00	168.23	168.73														LDFB C

RESFACS DATABASE

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1947.00	1964.00	168.73	169.09
1964.00	1974.00	169.09	169.31
1974.00	2010.00	169.31	170.09
2010.00	2023.00	170.09	170.37
2023.00	2053.00	170.37	177.00
2053.00	2087.00	177.00	175.52
2087.00	2112.00	175.52	174.43
2112.00	2144.00	174.43	173.04
2144.00	2167.00	173.04	177.61
2167.00	2182.00	177.61	177.69
2182.00	2187.50	177.69	177.72
2187.50	2205.50	177.72	180.00
2205.50	2222.50	180.00	179.92
2222.50	2265.00	179.92	179.73
2265.00	2277.00	179.73	179.68
2277.00	2279.00	179.68	179.67
2279.00	2288.50	179.67	179.62
2288.50	2318.00	179.62	179.49
2318.00	2330.00	179.49	179.44
2330.00	2335.00	179.44	179.41
2335.00	2343.00	179.41	179.38
2343.00	2352.00	179.38	179.34
2352.00	2360.00	179.34	179.30
2360.00	2382.00	179.30	179.20
2382.00	2405.00	179.20	179.10
2405.00	2423.50	179.10	189.00
2423.50	2446.50	189.00	192.58
2446.50	2463.00	192.58	191.84
2463.00	2480.00	191.84	191.08
2480.00	2493.00	191.08	190.50
2493.00	2523.50	190.50	196.19
2523.50	2535.00	196.19	196.50
2535.00	2541.00	196.50	196.67
2541.00	2544.00	196.67	196.75
2544.00	2549.00	196.75	196.89
2549.00	2555.00	196.89	197.05
2555.00	2559.00	197.05	197.16
2559.00	2564.00	197.16	197.30
2564.00	2572.00	197.30	197.52
2572.00	2591.00	197.52	198.04
2591.00	2603.00	198.04	198.38
2603.00	2624.00	198.38	198.95
2624.00	2632.00	198.95	199.17
2632.00	2648.00	199.17	199.61
2648.00	2662.00	199.61	200.00
2662.00	2671.00	200.00	200.52
2671.00	2693.00	200.52	201.80
2693.00	2700.00	201.80	202.21
2700.00	2719.00	202.21	203.31

LDFM	PB
LDFM	PB
LDFB	C
LDFM	BS
LDF	C
LDF	C
CDDL	C
CDDL	C
CDDL	C
CDDL	C
CDDL	C
CDDL	C
CDDL	PB
CDDL	C
CDDL	C
CDDL	AC
CDDL	CS
CDDL	C
CDDL	CS
CDDL	CS
CDDL	CS
CDDL	CS
CDDL	C
CDDL	C
CDDL	C
LDFM	PB
LDFM	PB
LDFM	PB
CDDU	CS
CDE	MF
CDE	MF
CDE	C
CDDP	
CDE	C
CDDP	
CDE	C
CDDP	
CDDL	DC
CDDP	
CDDL	C
CDDP	
CDDF	SMB
CSFU	
CDDP	
CDP	CS
CDP	D
CDP	LA
CDP	D

RESFACS DATABASE

12/05/95

2719.00	2725.00	203.31	203.66		
2725.00	2761.00	203.66	205.75		
2761.00	2769.00	205.75	206.21		
2769.00	2785.00	206.21	207.14		
2785.00	2795.00	207.14	207.72		
2795.00	2826.00	207.72	209.52		
2826.00	2861.00	209.52	211.55		
2861.00	2870.00	211.55	212.07		
2870.00	2886.00	212.07	217.50		
2886.00	2913.00	217.50	222.68		
2913.00	2937.50	222.68	223.29		
2937.50	3010.00	223.29	225.11		
3009.00	3185.00	225.08	229.50	G1	WCR
3010.00	3025.00	225.11	225.48		
3025.00	3053.00	225.48	226.19		
3053.00	3136.00	226.19	228.27		
3136.00	3213.00	228.27	230.20		
3213.00	3223.00	230.20	230.45		
3223.00	3245.00	230.45	231.00		
3245.00	3281.00	231.00	231.44		
3281.00	3299.00	231.44	231.65		
3299.00	3312.00	231.65	231.81		
3312.00	3354.00	231.81	232.32		
3354.00	3370.00	232.32	232.52		
3370.00	3408.00	232.52	232.98		
3408.00	3414.00	232.98	233.05		
3414.00	3426.00	233.05	233.19		
3426.00	3450.00	233.19	233.48		
3450.00	3465.00	233.48	233.67		
3465.00	3489.00	233.67	233.96		
3489.00	3495.00	233.96	234.03		
3495.00	3506.00	234.03	234.16		
3506.00	3518.00	234.16	234.31		
3516.00	3545.00	234.28	234.64	G1	WCR
3518.00	3529.00	234.31	234.44		
3529.00	3537.00	234.44	234.54		
3537.00	3575.00	234.54	235.00		
3545.00	3550.00	234.64	234.70	L1	WCR
3545.00	3550.00	234.64	234.70	G1	WCR
3575.00	3667.00	235.00	237.22		
3667.00	3701.00	237.22	238.04		
3701.00	3715.00	238.04	238.37		
3715.00	3741.00	238.37	239.00		
3741.00	3760.00	239.00	240.50		
3760.00	3782.00	240.50	240.54		
3782.00	3808.00	240.54	240.58		
3808.00	3814.00	240.58	240.59		
3814.00	3833.00	240.59	240.62		
3833.00	3843.00	240.62	240.64		

CDP LA
CDP D
CDP LA
CDP D
CDP LA
CDP C
LDFB AF
LDFB AF
LDFB AF
LDFB AF
LDFM PB
CDDL IDB

CDDP
LDFB AF
LDFB AF
LDLFL LD
LDFM PB
LDFB C
LDFB OD
LDFB C
LDFM OD
CDD PB
CDDP DFS
CSFU
CDDP
CDDP DFS
CSFU
CSFL
CSFU
CDDL PB
CDDL PB
CDDL PB

CDDL PB
CDDL PB
CSFU

MVS RB
MVS RB
CDDP
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP DFS
CDDP

RESFACS DATABASE

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3843.00	3855.00	240.64	240.66						CDE CS
3855.00	3863.00	240.66	240.68						CDE CS
3863.00	3873.00	240.68	240.69						CDDL IDB
3873.00	3889.00	240.69	240.72						CDDP DFS
3889.00	3896.00	240.72	240.73						CDDP DFS
3896.00	3900.00	240.73	240.74						CDDP DFS
3900.00	3922.00	240.74	240.78						CSFU
3922.00	3937.00	240.78	240.80						CDDP DFS
3937.00	3950.00	240.80	240.82						CDDP DFS
3950.00	3982.00	240.82	240.88						CSF
3958.00	3983.00	240.84	240.88	14.00		LOGS	OPER		
3982.00	4071.00	240.88	241.03						
4071.00	4100.00	241.03	241.08						CDIS MF
4079.00	4092.00	241.04	241.06	13.00		LOGS	OPER		CDIS MF
4100.00	4141.00	241.08	241.15						
4141.00	4152.00	241.15	241.16						CDIS MF
4146.00	4151.00	241.15	241.16	12.00		LOGS	OPER		CDIS MF
4152.00	4165.00	241.16	241.19						
4154.00	4160.00	241.17	241.18	13.00		LC	OPER		CDDP DFS
4154.00	4160.00	241.17	241.18	14.00		LOGS	OPER		
4165.00	4170.00	241.19	241.20	14.00		LOGS	OPER		
4165.00	4180.00	241.19	241.21						
4180.00	4195.00	241.21	241.24						CDDP DFS
4181.00	4194.00	241.21	241.24	13.00		LOGS	OPER		CDDL PB
4181.00	4194.00	241.21	241.24	6.00		LC	OPER		
4188.00	4194.00	241.23	241.24	G1 WCR					
4195.00	4215.00	241.24	241.27						
4197.00	4214.00	241.24	241.27	13.00		LOGS	OPER		CDDL PB
4197.00	4214.00	241.24	241.27	8.00		LC	OPER		
4198.00	4214.50	241.24	241.27	L1 WCR					
4198.00	4214.50	241.24	241.27	G1 WCR					
4210.00		241.26		8.40		CORE	CLAB	.0	CORE CLAB
4210.30		241.26		9.20		CORE	CLAB	.1	CORE CLAB
4210.60		241.26		7.60		CORE	CLAB	.0	CORE CLAB
4211.60		241.27		11.20		CORE	CLAB	.1	CORE CLAB
4212.00		241.27		11.60		CORE	CLAB	.2	CORE CLAB
4215.00	4221.00	241.27	241.28	12.00		LOGS	OPER		
4215.00	4230.00	241.27	241.30						
4215.00		241.27		2.70		CORE	CLAB	.0	CORE CLAB
4215.60		241.27		2.30		CORE	CLAB	.0	CORE CLAB
4217.00		241.27		.80		CORE	CLAB	.0	CORE CLAB
4217.60		241.28		3.30		CORE	CLAB	.0	CORE CLAB
4218.00		241.28		2.80		CORE	CLAB	.0	CORE CLAB
4230.00	4240.00	241.30	241.31						
4231.00	4242.00	241.30	241.32	13.00		LOGS	OPER		LDFM C
4231.00	4242.00	241.30	241.32	9.00		LC	OPER		
4240.00	4298.00	241.31	241.41						
4277.00	4289.00	241.38	241.40	13.00		LOGS	OPER		LDFM BS
4277.50	4290.00	241.38	241.40	L1 WCR					

RESFACS DATABASE

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4289.00	4315.00	241.40	241.44		12.00	LOGS	OPER		
4289.00	4315.00	241.40	241.44		3.00	LC	OPER		
4290.00	4379.00	241.40	241.55	L1					
4298.00	4323.00	241.41	241.45						
4310.60		241.43			8.60	CORE	CLAB	.0	LDFM PB
4311.20		241.43			9.70	CORE	CLAB	.1	CORE CLAB
4311.47		241.43			7.70	CORE	CLAB	.0	CORE CLAB
4311.80		241.44			7.20	CORE	CLAB	.0	CORE CLAB
4315.00	4351.00	241.44	241.50		5.00	CORE	CLAB		
4315.00	4351.00	241.44	241.50		11.00	LOGS	OPER		
4316.35		241.44			1.50	CORE	CLAB	.0	CORE CLAB
4318.70		241.45			5.30	CORE	CLAB	.0	CORE CLAB
4319.90		241.45			3.70	CORE	CLAB	.0	CORE CLAB
4321.99		241.45			2.80	CORE	CLAB	.0	CORE CLAB
4323.00	4345.00	241.45	241.49						LDFM BS
4323.80		241.46			10.10	CORE	CLAB	.0	CORE CLAB
4325.76		241.46			.90	CORE	CLAB	.0	CORE CLAB
4345.00	4360.00	241.49	241.52						LDFM PB
4355.00	4359.00	241.51	241.52		11.00	LOGS	OPER		
4355.00	4359.00	241.51	241.52		11.00	LC	OPER		
4359.00	4363.00	241.52	241.52		14.00	LOGS	OPER		
4360.00	4364.00	241.52	241.52						LDFM AC
4364.00	4379.00	241.52	241.55						LDFM C
4365.00	4378.00	241.53	241.55		10.00	LOGS	OPER		
4365.00	4378.00	241.53	241.55		5.00	LC	OPER		
4379.00	4397.00	241.55	241.58						CDDL IDB
4397.00	4403.00	241.58	241.59						CDDP DFS
4403.00	4418.00	241.59	241.62						CDDP DFS
4408.00	4415.00	241.60	241.61		10.00	LOGS	OPER		
4408.00	4415.00	241.60	241.61		6.00	LC	OPER		
4409.00	4414.00	241.60	241.61	L1					
4418.00	4433.00	241.62	241.64						CDDL IDB
4433.00	4447.00	241.64	241.66						CDDP DFS
4447.00	4459.00	241.66	241.68						CDDP IDB
4459.00	4472.00	241.68	241.71						CDDF SMB
4459.00	4479.00	241.68	241.72	G1					
4461.00	4479.00	241.69	241.72		12.00	LOGS	OPER		
4461.00	4479.00	241.69	241.72		8.00	LC	OPER		
4472.00	4480.00	241.71	241.72						CDDL DC
4480.00	4506.00	241.72	241.76						CDDL IDB
4506.00	4523.00	241.76	241.79						CDDP DFS
4523.00	4547.00	241.79	241.83						CDDL IDB
4547.00	4560.50	241.83	241.86	L1					
4547.00	4560.50	241.83	241.86	G1					
4547.00	4571.00	241.83	241.87						CSFU
4548.00	4570.00	241.84	241.87		12.00	LOGS	OPER		
4548.00	4570.00	241.84	241.87		8.00	LC	OPER		
4571.00	4589.00	241.87	241.91						CDDL IDB
4575.00	4900.00	241.88	242.43	G1					

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4589.00 4598.00 241.91 241.92
4598.00 4610.00 241.92 241.94
4610.00 4625.00 241.94 241.97 L1 WCR
4613.00 4622.00 241.95 241.96
4613.00 4622.00 241.95 241.96
4625.00 4677.00 241.97 242.05
4677.00 4900.00 242.05 242.43
4790.00 4970.00 242.25 242.82 L1 WCR
4860.00 4882.00 242.36 242.40
4860.00 4882.00 242.36 242.40
4900.00 4921.00 242.43 242.47
4900.00 4970.00 242.43 242.82 G1 WCR
4921.00 4941.00 242.47 242.51
4941.00 4970.00 242.51 242.82
    
```

10.00
7.00

LOGS OPER
LC OPER

CDDP DFS
CDDL IDB
CDDP DFS

CDDL IDB
MS CSHI

15.00
4.00

LOGS OPER
LC OPER

CDDL IDB

CDDL IDB
CDDL IDB

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT			
top (m)	base (m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm	
Min	154.30					0.80	3.00					0.0									
Max	4970.00	242.82				11.60	15.00					0.2									
No.	253	252		17	17	20	33			53	53	20					20	20	184	154	
Mean						5.87	10.33					0.0									

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Picard 1 -18.966581 117.62233 Beagle Sub-basin
PEDIN/File numbers: W6720015 72/2710

Carnarvon Basin

top	base	---Ages---		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						ENVIRONMENT			
(m)	(m)	(Harland	mA)	Show	Src	Spot	Aver	Min	Max	Src	Authr	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm	
150.00	542.80		5.32																MS	CSH	
454.15	493.78	3.71	4.40				40.00			LOGE	OPER										
493.78	1082.04	4.40	14.18				25.00			LOGE	OPER										
542.80	1338.10	5.32	38.07																MS	CSH	
1082.04	1426.46	14.18	43.15				23.00			LOGE	OPER								MS	CSH	
1338.10	1524.00	38.07	45.50																		
1426.46	1490.47	43.15	44.69				27.00			LOGE	OPER										
1490.47	1600.20	44.69	47.34				25.00			LOGE	OPER										
1524.00	1530.10	45.50	45.65																CDE	C	
1530.10	1622.10	45.65	50.50																MS	CSH	
1600.20	1627.63	47.34	50.73				25.00			LOGE	OPER										
1622.10	1890.40	50.50	67.50																MS	CSHI	
1828.80	2316.48	57.75	143.98	L1	WCR																
1828.80	2316.48	57.75	143.98	G1	WCR																
1890.40	2040.30	67.50	89.20																MS	CSHO	
2040.30	2049.80	89.20	91.00																MS	CSHO	
2049.80	2074.00	91.00	99.00																MS		
2074.00	2148.80	99.00	126.00																MS	CSHM	
2148.80	2198.50	126.00	128.30																MS	CSHM	
2198.50	2261.00	128.30	131.11																MS	CSHM	
2261.00	2270.80	131.11	131.49																MS	CSHM	
2270.80	2286.00	131.49	137.00																MS	CSHM	
2286.00	2302.50	137.00	138.62																MS	CSHM	
2302.50	2316.50	138.62	155.50																MS	CSHM	
2316.48	2343.00	143.98	170.90				13.00			LOGE	OPER										
2316.50	2334.50	155.50	169.65																LDF	C	
2325.01	2325.09	168.25	168.26									226.0				19.0	CORE	BMR			
2325.01	2325.11	168.25	168.27			9.40				CORE	BMR										
2325.01		168.25				11.40				CORE	XLOG	171.0					CORE	XLOG			
2325.32		168.30				28.20				CORE	XLOG	742.0					CORE	XLOG			
2325.50	2325.62	168.33	168.34			10.70				CORE	BMR	94.0				19.0	CORE	BMR			
2325.62		168.34				16.70				CORE	XLOG	8.1					CORE	XLOG			
2325.93		168.39				16.20				CORE	XLOG	10.5					CORE	XLOG			
2326.23	2326.34	168.43	168.45									14.0				15.0	CORE	BMR			
2326.23	2326.36	168.43	168.45			15.30				CORE	BMR										
2326.23		168.43				18.40				CORE	XLOG	8.4					CORE	XLOG			
2326.54		168.48				11.10				CORE	XLOG	214.0					CORE	XLOG			
2326.84	2326.95	168.52	168.54									43.0				64.0	CORE	BMR			
2326.84	2326.97	168.52	168.54			9.80				CORE	BMR										
2326.84		168.52				13.40				CORE	XLOG	97.0					CORE	XLOG			
2327.15	2327.33	168.57	168.59			10.40				CORE	BMR	39.0				21.0	CORE	BMR			
2327.15		168.57				13.40				CORE	XLOG	21.0					CORE	XLOG			
2327.45		168.61				13.70				CORE	XLOG	25.0					CORE	XLOG			

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2327.76	2327.83	168.66	168.67					62.0		CORE BMR
2327.76	2327.86	168.66	168.67							
2327.76		168.66		9.60			CORE	BMR		
2328.06		168.70		19.80			CORE	XLOG	124.0	
2328.37		168.75		10.40			CORE	XLOG	274.0	
2328.40	2328.55	168.75	168.77	14.70			CORE	XLOG	166.0	
2328.67		168.79		10.70			CORE	BMR	95.0	
2334.50	2344.20	169.65	171.08	14.70			CORE	XLOG	395.0	
2339.34	2339.64	170.36	170.41							
2339.64		170.41		11.10			CORE	BMR	125.0	
2340.56		170.54		13.20			CORE	XLOG	52.0	
2340.86	2341.17	170.59	170.63	11.00			CORE	XLOG	211.0	
2340.86		170.59		8.40			CORE	BMR	60.0	
2341.17		170.63		10.10			CORE	XLOG	46.0	
2343.00	2538.98	170.90	174.89	10.20			CORE	XLOG		
2344.20	2356.40	171.08	171.95	14.00			LOGE	OPER		
2344.22		171.08								
2356.40	2377.10	171.95	173.05						291.0	
2377.10	2389.90	173.05	173.28							
2389.90	2411.60	173.28	173.51							
2411.60	2419.80	173.51	173.60							
2419.80	2429.30	173.60	173.70							
2429.30	2451.20	173.70	173.94							
2451.20	2487.20	173.94	174.33							
2487.20	2496.30	174.33	174.43							
2496.30	2505.50	174.43	174.53							
2505.50	2530.40	174.53	174.80							
2529.84	3749.04	174.79	197.17	L1	WCR					
2529.84	3749.04	174.79	197.17	G1	WCR					
2530.40	2539.60	174.80	174.90							
2538.98	2584.70	174.89	175.39			11.00	LOGE	OPER		
2539.60	2551.20	174.90	175.03							
2551.20	2566.40	175.03	175.19							
2566.40	2581.70	175.19	175.36							
2581.70	2618.20	175.36	175.75							
2599.94	2648.71	175.55	176.08			9.00	LOGE	OPER		
2618.20	2633.50	175.75	175.92							
2633.50	2648.70	175.92	176.08							
2648.70	2691.40	176.08	176.55							
2648.71	2764.54	176.08	179.02			2.00	8.00	LOGE	OPER	
2691.40	2715.50	176.55	176.81							
2715.50	2731.60	176.81	176.98							
2731.60	2759.00	176.98	177.00							
2734.06	2743.20	177.00	177.00	L1	WCR					
2734.06	2743.20	177.00	177.00	G1	WCR					
2759.00	2777.90	177.00	179.09							
2764.54	3663.70	179.02	195.37			13.00	LOGE	OPER		
2777.90	2785.90	179.09	179.13							
2785.87	2795.02	179.13	179.17	L1	WCR					

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2785.87	2795.02	179.13	179.17	G1	WCR
2785.90	2816.40	179.13	179.27		
2816.40	2818.80	179.27	179.29		
2818.80	2832.20	179.29	179.35		
2832.20	2868.20	179.35	179.52		
2855.98	2859.02	179.47	179.48	L1	WCR
2855.98	2859.02	179.47	179.48	G1	WCR
2868.20	2886.50	179.52	179.61		
2886.50	2895.60	179.61	179.66		
2895.60	2908.40	179.66	179.72		
2908.40	2929.10	179.72	179.82		
2929.10	2959.00	179.82	179.96		
2959.00	2966.30	179.96	180.00		
2966.30	2980.90	180.00	180.38		
2980.90	3002.30	180.38	180.93		
3002.30	3029.40	180.93	181.62		
3029.40	3054.70	181.62	182.27		
3054.70	3093.70	182.27	183.28		
3062.94		182.49		L1	SWC
3062.94		182.49		G1	SWC
3074.82		182.79		L1	SWC
3074.82		182.79		G1	SWC
3093.11		183.26		L1	SWC
3093.11		183.26		G1	SWC
3093.70	3118.70	183.28	183.92		
3118.70	3131.50	183.92	184.25		
3131.50	3148.60	184.25	184.69		
3148.60	3182.10	184.69	185.55		
3154.68	3157.73	184.85	184.92	L1	WCR
3154.68	3157.73	184.85	184.92	G1	WCR
3169.92		185.24		G1	SWC
3169.92		185.24		L1	SWC
3182.10	3215.60	185.55	186.41		
3215.60	3250.40	186.41	187.31		
3250.40	3326.00	187.31	189.11		
3326.00	3365.00	189.11	189.55		
3365.00	3402.20	189.55	189.97		
3392.12		189.86		L1	SWC
3392.12		189.86		G1	SWC
3402.20	3413.80	189.97	190.10		
3413.80	3416.80	190.10	190.14		
3416.80	3444.20	190.14	190.45		
3444.20	3469.20	190.45	191.00		
3447.59		190.48		L1	SWC
3447.59		190.48		G1	SWC
3469.20	3490.00	191.00	191.52		
3490.00	3518.00	191.52	192.22		
3518.00	3527.10	192.22	192.45		
3518.92		192.25		L1	SWC

CDDL IDB
CDDP DFS
CDDL PB
CDDP DFS

CDDP DFS
CDDL CS
CDDL C
CDDL IDB
CDDL PB
CDDL PB
CDDL CS
CDDP DFS
CDDL DC
CDDL DC
CDDL IDB

CDDL C
CDDL CS
CDDL DC
CDDL IDB

CDDP DFS
CDDP DFS
CDDL IDB
CDDL DFS
CDDP DFS

CDDP PB
CDDP
CDDP DFS
CDDP DFS

CDDP DFS
CDDP DFS
CDDL PB

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3518.92		192.25		G1	SWC
3527.10	3547.30	192.45	192.95		
3547.30	3560.10	192.95	193.27		
3547.57		192.96		L1	SWC
3547.57		192.96		G1	SWC
3560.10	3594.20	193.27	193.90		
3594.20	3623.50	193.90	194.52		
3623.50	3633.80	194.52	194.74		
3633.80	3651.50	194.74	195.11		
3651.50	3663.70	195.11	195.37		
3663.70	3715.50	195.37	196.46		
3663.70	3910.58	195.37	200.42		
3697.53		196.08		L1	SWC
3697.53		196.08		G1	SWC
3715.50	3736.80	196.46	196.91		
3731.36		196.80		L1	SWC
3731.36		196.80		G1	SWC
3736.80	3774.00	196.91	197.70		
3745.99	3755.14	197.11	197.30	L1	WCR
3745.99	3755.14	197.11	197.30	G1	WCR
3767.33	3776.47	197.56	197.75	L1	WCR
3767.33	3776.47	197.56	197.75	G1	WCR
3774.00	3807.00	197.70	198.39		
3779.52	4206.24	197.81	204.93	L1	WCR
3779.52	4206.24	197.81	204.93	G1	WCR
3782.57		197.88		L1	SWC
3782.57		197.88		G1	SWC
3792.32		198.08		L1	SWC
3792.32		198.08		G1	SWC
3794.76	3837.43	198.13	199.03	L1	WCR
3794.76	3837.43	198.13	199.03	G1	WCR
3807.00	3835.00	198.39	198.98		
3835.00	3840.50	198.98	199.10		
3840.50	3852.70	199.10	199.36		
3845.36		199.20		L1	SWC
3845.36		199.20		G1	SWC
3852.70	3883.20	199.36	200.00		
3883.20	3908.10	200.00	200.38		
3889.25	3916.68	200.09	200.51	L1	WCR
3889.25	3916.68	200.09	200.51	G1	WCR
3908.10	3917.30	200.38	200.52		
3917.30	3925.80	200.52	200.65		
3925.80	3932.50	200.65	200.75		
3932.50	3938.60	200.75	200.84		
3938.60	3969.10	200.84	201.31		
3969.10	3990.40	201.31	201.63		
3990.40	4032.50	201.63	202.28		
4032.50	4054.40	202.28	202.61		
4054.40	4056.90	202.61	202.65		

8.00

LOGE OPER

CDDL DC
CSFL

CDDP
CDDP DFS
CDDP
CDDP DFS
CSFL
CDDP

CDDP DFS

CDDP DFS

MS TFP

MS TFP
CDDP
CDDP

CDDP
CDDP DFS

CDDL PB
CDDL IDB
CDDL CS
CDDL CS
CDDL DC
CDDL DC
LDF BS
LDF PB
LDF PB

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CDDL PB
CDDL IDB

CDDP DFS
CDDP DFS

CDDP IDB
CDDP DFS

CORE	XLOG		
CORE	XLOG		
CORE	XLOG	1.8	.1 CORE BMR
CORE	BMR		
CORE	XLOG		
CORE	XLOG		
CORE	XLOG	1.5	CORE XLOG
		.6	.4 CORE BMR
CORE	BMR		
CORE	XLOG	1.5	CORE XLOG
CORE	XLOG		
LOGE	OPER		

Statistics																							
top	base	-----Ages-----		--SHOWS--		-----POROSITY-----						-----PERMEABILITY-----						----- ENVIRONMENT -----					
(m)	(m)	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm			
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
Min	150.00					0.30	8.00	2.00	8.00			0.6				0.1							
Max	4216.00	206.50				28.20	40.00	2.00	8.00			742.0				135.0							
No.	221	220			60 60	36	13	1	1	50	50	30				10	30	30	104	94			
Mean						11.83	18.92	2.00	8.00			120.6				46.6							
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RESFACS DATABASE

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Poissonnier 1 -19.309333 118.155294 Beagle Sub-basin
PEDIN/File numbers: W6730025 73/1010

Carnarvon Basin

top (m)	base (m)	---Ages--- (Harland mA)	--SHOWS-- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
113.00	723.00	76.22															MS	CSH
723.00	749.00	76.22															MS	CSH
749.00	845.00	80.46															MS	CSH
845.00	865.00	87.32															MS	
865.00	890.00	88.69															MVS	
890.00	1032.00	88.87																
890.00	904.00	121.00																
900.00	1962.00	123.86	G1	LOGM													CDE	C
904.00	929.00	125.00															CDDP	
929.00	938.00	129.00															CDE	MF
938.00	950.00	137.00															CDDL	DC
950.00	960.00	137.84															CDDF	
960.00	971.00	138.54															CDDP	
971.00	985.00	139.31															CDE	C
985.00	1011.00	140.29															CDE	C
1011.00	1031.00	144.00															CDDP	
1031.00	1040.00	163.75															CDDF	SMB
1032.00	1616.50	180.10																
1040.00	1046.00	180.87															CDDL	DC
1046.00	1055.00	181.45															CDDU	LA
1055.00	1060.00	182.32															CDDU	C
1060.00	1074.00	182.81															CDDF	SMB
1074.00	1078.00	184.16															CDDU	C
1078.00	1091.00	184.55															CDDL	DC
1091.00	1113.00	185.81															CDDF	SMB
1113.00	1118.00	187.94															CDDL	DC
1118.00	1124.00	188.42															CDDL	
1124.00	1154.00	205.50															CDDL	IDB
1154.00	1162.00	227.74															CDDL	DC
1162.00	1171.00	229.28															CDDF	
1170.20		230.85	L1	SWC														
1171.00	1193.00	231.00															CDDF	
1193.00	1198.00	231.35															CDDL	DC
1198.00	1208.00	231.43															CDDF	SMB
1208.00	1219.00	231.59															CDDU	PB
1219.00	1225.00	231.76															CDDU	C
1225.00	1244.00	231.86															CDDU	C
1244.00	1254.00	232.16															CDDU	C
1254.00	1284.00	232.32															CDDU	BS
1282.00		232.76	L1	SWC														
1284.00	1297.00	232.79															LDFM	C
1297.00	1310.00	233.00															LDFM	C
1310.00	1335.00	233.21															LDFM	C

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1335.00	1342.00	233.60	233.71		
1342.00	1357.00	233.71	233.95		
1357.00	1377.00	233.95	234.27		
1377.00	1403.00	234.27	234.68		
1393.20		234.53		L1	SWC
1403.00	1412.00	234.68	234.83		
1412.00	1423.00	234.83	235.00		
1423.00	1444.00	235.00	235.44		
1444.00	1452.00	235.44	235.60		
1452.00	1474.00	235.60	236.06		
1474.00	1487.00	236.06	236.33		
1487.00	1495.00	236.33	236.49		
1495.00	1521.00	236.49	237.03		
1521.00	1551.00	237.03	237.65		
1551.00	1563.00	237.65	237.90		
1563.00	1595.00	237.90	238.56		
1595.00	1602.00	238.56	238.71		
1602.00	1616.00	238.71	239.00		
1616.00	1622.00	239.00	239.16		
1618.40		239.07		L1	SWC
1622.00	1634.00	239.16	239.49		
1634.00	1656.00	239.49	240.10		
1634.40		239.50		L1	SWC
1656.00	1753.00	240.10	242.75		
1680.20		240.76		L1	SWC
1753.00	1840.00	242.75	245.00		
1807.00		244.23		L1	SWC
1840.00	1844.00	245.00	245.25		
1844.00	1853.00	245.25	245.81		
1853.00	1856.00	245.81	246.00		
1856.00	1870.00	246.00	246.16		
1870.00	1902.00	246.16	246.51		
1902.00	1906.00	246.51	246.56		
1902.00	1947.00	246.51	247.02		
1906.00	1911.00	246.56	246.61		
1911.00	1919.00	246.61	246.70		
1919.00	1937.00	246.70	246.90		
1937.00	1947.00	246.90	247.02		
1947.00	1952.00	247.02	247.09		
1952.00	1962.00	247.09	247.25		

10.00 14.00 LOGE OPER

LDFM C
LDFM C
LDFM C
LDFM C

LDFM C
LDFM C
CDDL DC
CDDU PB
CDDF SMB
CDDL IDB
CDDL DC
CDDF SMB
CDDF SMB
CDDU PB
CDDL DC
CDDF SMB
CDDU PB
CDDL IDB

CDDF SMB
CDDL DC

CDDL IDB

CDDP

CDDL DC
CDDL IDB
CDDL DC
CDDF
CDDP
MS

CDE C
CDE C
MS
CDE C
MS C
IGN V

Statistics

top	base	-----Ages-----	---SHOWS---	-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT						
(m)	(m)	(Harland mA)	Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
Min	113.00				24.00	10.00	14.00											
Max	1962.00	247.25			24.00	35.00	40.00											
No.	83	82	8	8	1	2	2	3	3								72	58
Mean					24.00	22.50	27.00											

RESFACS DATABASE

12/05/95

Ronsard 1 -19.141825 117.160739 Beagle Sub-basin
PEDIN/File numbers: W6730010 72/3330

Carnarvon Basin

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
170.00	1272.00	11.90															MS	
1272.00	1467.00	11.90															MS	
1467.00	1557.00	24.02															MS	
1557.00	1642.00	25.64															MS	
1642.00	1684.00	29.20															MS	
1684.00	1808.00	38.07															MS	
1808.00	1827.00	50.50															MS	
1827.00	1853.00	55.21															MS	CSHM
1853.00	1896.00	57.85															MS	CSHM
1896.00	1959.00	60.03															MS	CSHM
1959.00	2009.00	65.00															MS	CSHM
2009.00	2133.00	70.00															MS	CSH
2133.00	2168.00	81.44															MS	CSHO
2168.00	2211.00	83.00															MS	CSHO
2211.00	2256.00	88.00															MS	CSHO
2256.00	2285.00	114.50															MBA	CSL
2285.00	2294.00	129.64															MBA	CSL
2294.00	2303.00	158.50															MVS	
2303.00	2310.00	180.24															CDDU	C
2310.00	2331.00	180.42															CDDU	C
2331.00	2346.00	180.98															CDDU	C
2346.00	2358.00	181.37															CDDL	IDB
2358.00	2361.00	181.69															CDDL	DC
2361.00	2380.00	181.77															CDDL	DC
2380.00	2386.00	182.27															CDDF	
2386.00	2389.00	182.43															CDDL	DC
2389.00	2398.00	182.51															CDDL	CS
2398.00	2422.00	182.74															CDDL	DC
2422.00	2437.00	183.38															CDDL	IDB
2437.00	2451.00	183.77															CDDL	DC
2451.00	2470.00	184.14															CDDF	
2470.00	2504.00	184.65															CDDF	
2504.00	2515.00	185.54															CDDF	
2515.00	2523.00	185.83															CDE	C
2523.00	2540.00	186.04															CDE	C
2540.00	2554.00	186.49															CDE	C
2554.00	2582.00	186.86															CDIS	MF
2582.00	2596.00	187.60															CDE	C
2596.00	2620.00	187.97															CDE	C
2620.00	2635.00	188.60															CDDL	IDB
2635.00	2654.00	189.00															CDDF	
2654.00	2664.00	190.50															CDDL	IDB
2664.00	2685.00	190.79															CDDL	DC
																	CDDF	

RESFACS DATABASE

12/05/95

2685.00 2695.00 191.39 191.68
 2695.00 2742.00 191.68 193.04
 2742.00 2761.00 193.04 193.84
 2761.00 2770.00 193.84 194.22
 2770.00 2776.00 194.22 194.47
 2776.00 2785.00 194.47 194.84
 2785.00 2795.00 194.84 195.14
 2795.00 2810.00 195.14 195.60
 2810.00 2848.00 195.60 196.75

CDDL IDB
 CDDL IDB
 CDDL DC
 CDDU DC
 CDDF SMB
 CDDL DC
 CDDL DC
 CDDL IDB
 CDDL IDB

Statistics		-----Ages-----		--SHOWS--		-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT									
top	base	(m)	(m)	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	Env	Lndfm	
Min	170.00																						
Max	2848.00	196.75																					
No.	52	51																			52	40	
Mean																							

RESFACS DATABASE

12/05/95

Trafalgar 1 -19.166829 117.318954 Beagle Sub-basin
PEDIN/File numbers: W6880034 88/791

Carnarvon Basin

top (m)	base (m)	-----Ages----- (Harland mA)	--SHOWS-- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	ENVIRONMENT Env Lndfm
138.60	450.00				4.36												MS
450.00	545.00	4.36			5.68												MS
545.00	640.00	5.68			6.98												MS
640.00	754.00	6.98			8.54												MVS
754.00	900.00	8.54			10.54												MVS
900.00	1021.00	10.54			13.02												MS
1021.00	1390.00	13.02			38.07												MVS
1390.00	1595.00	38.07			50.50												MS CSHI
1595.00	1699.00	50.50			65.00												MS CSHI
1699.00	1734.00	65.00			70.00												MS CSH
1734.00	1799.00	70.00			73.14												MS CSH
1799.00	1823.00	73.14			74.30												MS CSH
1823.00	1975.00	74.30			81.65												MS CSH
1975.00	2095.00	81.65			89.51												MS CSH
2095.00	2202.00	89.51			114.50												MSS CSH
2202.00	2237.00	114.50			125.58												MS CSHI
2237.00	2470.00	125.58			141.00												MS CSHI
2470.00	2490.00	141.00			154.75												MVS
2490.00	2501.00	154.75			180.58												CDE C
2501.00	2506.00	180.58			180.87												CDDU PB
2506.00	2520.00	180.87			181.68												CDDU C
2520.00	2526.00	181.68			182.03												CDE C
2526.00	2529.00	182.03			182.21												CDE
2529.00	2534.00	182.21			182.50												CDDL DC
2534.00	2545.00	182.50			183.14												CDDL DC
2545.00	2550.00	183.14			183.43												CDDL DC
2550.00	2557.00	183.43			183.83												CDDL IDB
2557.00	2569.00	183.83			184.53												CDDL DC
2569.00	2580.00	184.53			185.17												CDDL IDB
2580.00	2592.00	185.17			185.86												CDDU C
2592.00	2601.00	185.86			186.39												CDDU BS
2601.00	2604.00	186.39			186.56												CDDU CS
2604.00	2611.00	186.56			186.97												LDFM PB
2611.00	2619.00	186.97			187.43												LDFM C
2619.00	2622.00	187.43			187.61												CDDU LE
2622.00	2623.00	187.61			187.66												CDDU CS
2623.00	2641.00	187.66			188.71												CDDU PB
2641.00	2646.00	188.71			189.00												CDE
2646.00	2668.00	189.00			190.50												CDDL PB
2668.00	2676.00	190.50			190.70												CDDL IDB
2676.00	2688.00	190.70			191.00												CDDL PB
2688.00	2698.00	191.00			191.25												CDDL C
2698.00	2701.00	191.25			191.33												CDDL IDB

RESFACS DATABASE

12/05/95

2701.00 2719.00 191.33 191.78
 2719.00 2728.00 191.78 192.00
 2728.00 2732.00 192.00 192.69
 2732.00 2741.00 192.69 194.23
 2741.00 2747.00 194.23 195.39

CDDL PB
 CDDL IDB
 CDDL PB
 CDDL C
 CDDL C

Statistics				Ages		SHOWS		POROSITY				PERMEABILITY				ENVIRONMENT				
top (m)	base (m)	(Harland mA)		Show	Src	Spot	Aver	Min	Max	Src	Auth	Spot	Aver	Min	Max	KV	Src	Auth	Env	Lndfm
Min	138.60																			
Max	2747.00	195.39																		
No.	48	47																	48	38
Mean																				

RESFACS DATABASE

Wamac 1 -17.240517 121.491564 Canning Basin
PEDIN/File numbers: W6730015 73/246

Fitzroy Trough

12/05/95

top (m)	base (m)	---Ages--- (Harland mA)	---SHOWS--- Show Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce	Auth	ENVIRONMENT Env Lndfm
86.00	322.90	83.00															MS CSHI
322.90	357.00	83.00															MS
357.00	405.00	102.50															MS
405.00	430.00	119.00															MS CSHI
430.00	464.00	119.78															MS CSHI
464.00	491.00	120.41															MS CSHI
491.00	567.00	120.91															MS CSHI
567.00	605.00	122.31															MS CSHI
605.00	634.00	123.02															MS CSHI
634.00	686.00	123.55															MS CSHI
686.00	698.00	124.52															MS CSHI
686.00	712.00	124.52															MS CSHI
712.00	742.00	125.00															MS CSHI
742.00	755.00	125.08															CSF
755.00	784.00	125.11															CSF
784.00	888.00	125.19															CSF
888.00	955.00	125.45															CSF
955.00	981.00	133.78															CSF
981.00	1000.00	132.39															CSF
1000.00	1053.00	131.37															CSF
1053.00	1063.00	128.52															CDIS MF
1063.00	1134.00	127.99															CDIS MF
1134.00	1324.00	144.26															CDDL DC
1324.00	1385.00	147.50															CDDL IDB
1385.00	1401.00	167.00															CDDL DC
1401.00	1412.00	162.73															CDDL DC
1412.00	1474.00	159.80															CDDF SMB
1474.00	1500.00	171.34															CDDL DC
1500.00	1520.00	172.61															CDDL DC
1520.00	1545.00	173.59															CDDL DC
1545.00	1604.00	178.64															CDDF
1604.00	1628.00	179.23															CDDU C
1628.00	1637.00	179.30															CDDU AC
1637.00	1641.00	179.33															CDDU C
1641.00	1644.00	179.35															CDDU PB
1644.00	1648.00	179.36															LDFM OD
1648.00	1657.00	179.37															LDFM PB
1657.00	1664.00	179.40															LDFM C
1664.00	1668.00	179.42															LDFM OD
1668.00	1671.00	179.44															LDFM C
1671.00	1691.00	179.45															LDFM PB
1691.00	1716.00	179.51															LDFM BS
1716.00	1738.00	179.59															

RESFACS DATABASE

12/05/95

1738.00	1741.00	179.67	179.68
1741.00	1789.00	179.68	179.83
1789.00	1826.00	179.83	179.95
1826.00	1853.00	179.95	218.94
1853.00	1861.00	218.94	217.05
1861.00	1864.00	217.05	216.35
1864.00	1874.00	216.35	213.99
1874.00	1900.00	213.99	207.87
1900.00	1917.00	207.87	203.86
1917.00	1920.00	203.86	203.16
1920.00	1924.00	203.16	202.21
1924.00	1939.00	202.21	198.68
1939.00	1964.00	198.68	259.00
1964.00	1971.00	259.00	287.79
1971.00	1980.00	287.79	288.81
1980.00	1984.00	288.81	289.27
1984.00	1992.00	289.27	290.17
1992.00	2000.00	290.17	291.08
2000.00	2013.00	291.08	292.55
2013.00	2016.00	292.55	292.89
2016.00	2033.00	292.89	294.82
2033.00	2040.00	294.82	295.61
2040.00	2050.00	295.61	296.74
2050.00	2062.00	296.74	298.10
2062.00	2071.00	298.10	299.12
2071.00	2126.00	299.12	305.35
2126.00	2167.00	305.35	319.00
2167.00	2172.00	319.00	332.29
2172.00	2176.00	332.29	335.71
2176.00	2180.00	335.71	339.14
2180.00	2184.00	339.14	340.00
2184.00	2192.00	340.00	340.00
2192.00	2195.00	340.00	340.00
2195.00	2198.00	340.00	340.00
2198.00	2199.00	340.00	340.00
2199.00	2204.00	340.00	340.00
2204.00	2206.00	340.00	340.00
2206.00	2215.00	340.00	340.00
2215.00	2221.00	340.00	340.00
2221.00	2233.00	340.00	340.00
2233.00	2235.00	340.00	340.00
2235.00	2240.00	340.00	340.00
2240.00	2246.00	340.00	340.00
2246.00	2256.00	340.00	340.00
2256.00	2260.00	340.00	340.00
2260.00	2269.00	340.00	340.00
2269.00	2281.00	340.00	340.00
2281.00	2295.00	340.00	340.00
2295.00	2307.00	340.00	340.00

LDFM	PB
LDFM	C
LDFM	BS
LDFM	PB
LDFM	AC
LDFM	OD
LDFM	PB
LDFM	AC
LDFM	C
LDFM	OD
LDFM	BS
LDFM	PB
LDFM	BS
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFL	
LDFM	PB
LDFM	OD
LDFM	PB
LDFM	OD
LDFM	PB
LDFM	BS
LDFM	C
LDFM	BS
CDDU	BS
CDDL	DC
CDDF	
CDDF	SMB
LDFL	PB
LDFL	OD
IGN	
CDDU	BS
IGN	V
CDDU	BS
LDFL	C
CDDU	BS
IGN	
LDFM	PB

RESFACS DATABASE

12/05/95

2307.00 2309.00 340.00 340.00
2309.00 2330.00 340.00 340.00
2330.00 2335.00 340.00 340.00
2335.00 2366.00 340.00 340.00
2366.00 2482.00 340.00 343.50
2482.00 2485.00 343.50 343.59
2485.00 2490.00 343.59 343.74
2490.00 2506.00 343.74 344.22
2506.00 2512.00 344.22 344.40
2512.00 2524.00 344.40 344.76
2524.00 2531.00 344.76 344.97
2531.00 2534.00 344.97 345.07
2534.00 2536.00 345.07 345.13
2536.00 2539.00 345.13 345.22
2539.00 2540.00 345.22 345.25
2540.00 2542.00 345.25 345.31
2542.00 2545.00 345.31 345.40
2545.00 2565.00 345.40 346.00
2565.00 2582.00 346.00 346.34
2582.00 2600.00 346.34 346.70
2600.00 2606.00 346.70 346.82
2606.00 2637.00 346.82 347.45
2637.00 2647.00 347.45 347.65
2647.00 2656.00 347.65 347.83
2656.00 2668.00 347.83 348.07
2668.00 2674.00 348.07 348.19
2674.00 2682.00 348.19 348.35
2682.00 2691.00 348.35 348.53
2691.00 2695.00 348.53 348.61
2695.00 2698.00 348.61 348.67
2698.00 2707.00 348.67 348.85
2707.00 2709.00 348.85 348.89
2709.00 2711.00 348.89 348.93
2711.00 2713.00 348.93 348.97
2713.00 2726.00 348.97 349.24
2726.00 2764.00 349.24 350.00

IGN
LDFM PB
IGN
LDFM PB
IGN
LDFM OD
LDFM PB
IGN
LDFM PB
LDFM OD
LDFM C
LDFM PB
IGN
LDFM PB
IGN
LDFM C
LDFM PB
IGN
LDFM PB
CDDU BS
CDDU C
CDDU BS
CDDU BS
CDDU BS
IGN
LDFM PB
IGN
LDFM BS
IGN
LDFM BS
LDFM PB
LDFM PB
IGN
LDFM OD
LDFM PB
IGN

Statistics		---Ages---		---SHOWS---		-----POROSITY-----				-----PERMEABILITY-----				ENVIRONMENT			
top	base																
(m)	(m)	(Harland	mA)	Show	Srce	Spot	Aver	Min	Max	Srce	Authr	Spot	Aver	Min	Max	KV	Srce
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Min	86.00																
Max	2764.00	350.00															
No.	128	127														128	87
Mean																	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

RESFACS DATABASE

12/05/95

Grand totals

Min	44.00				0.30	0.20	0.10	3.00			0.0				0.1				
Max	5495.00	386.75			45.00	40.00	40.00	45.00			3300.0				135.0				
No.	3149	3032		242	205	353	319	26	45	692	692	191			12	236	236	2210	1890
Mean						21.81	16.39	17.38	21.23			220.4			38.8				



APIRA
AUSTRALIAN PETROLEUM SYSTEMS

ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

APPENDIX 5

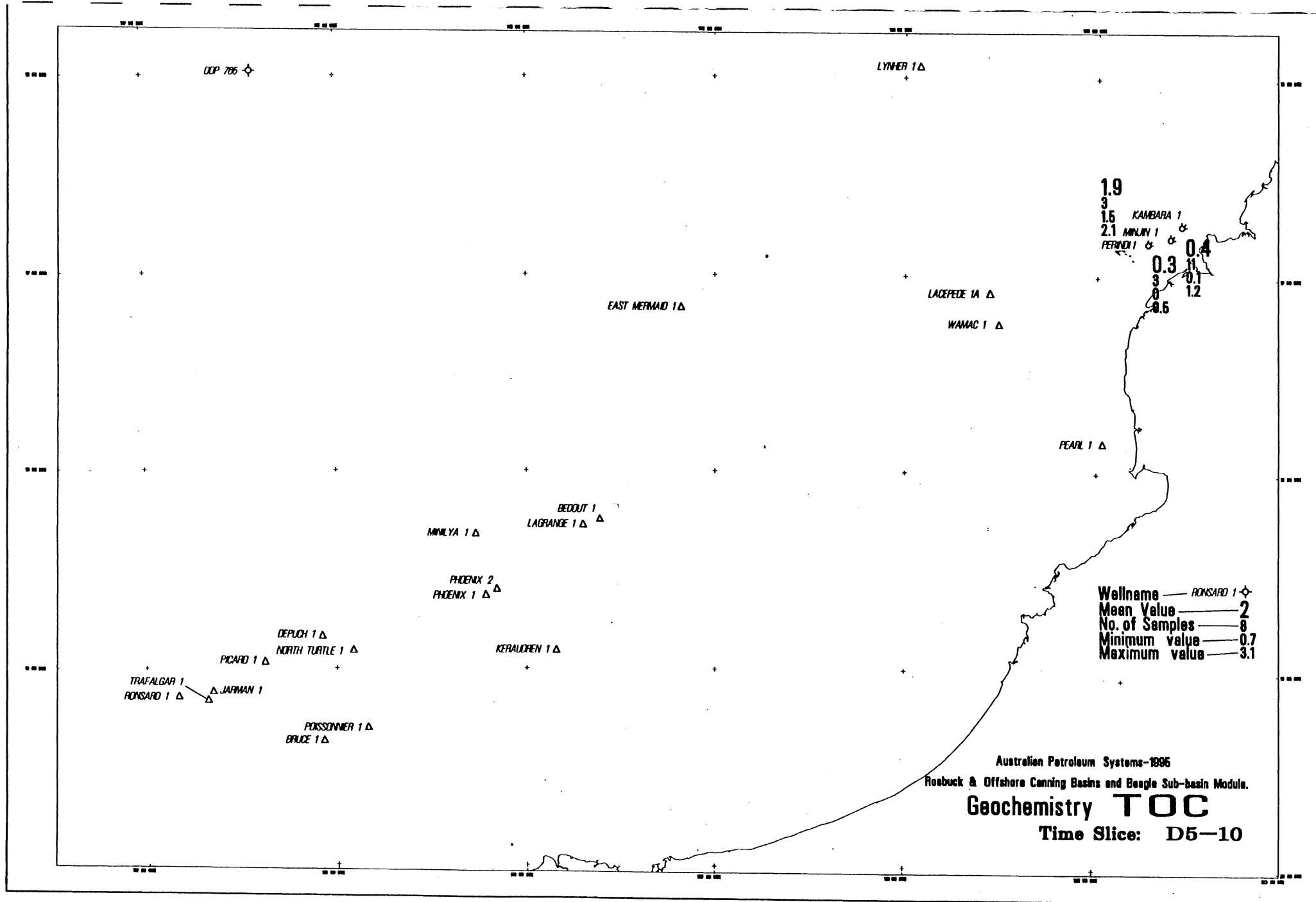
GEOCHEMISTRY DATABASE SUMMARY

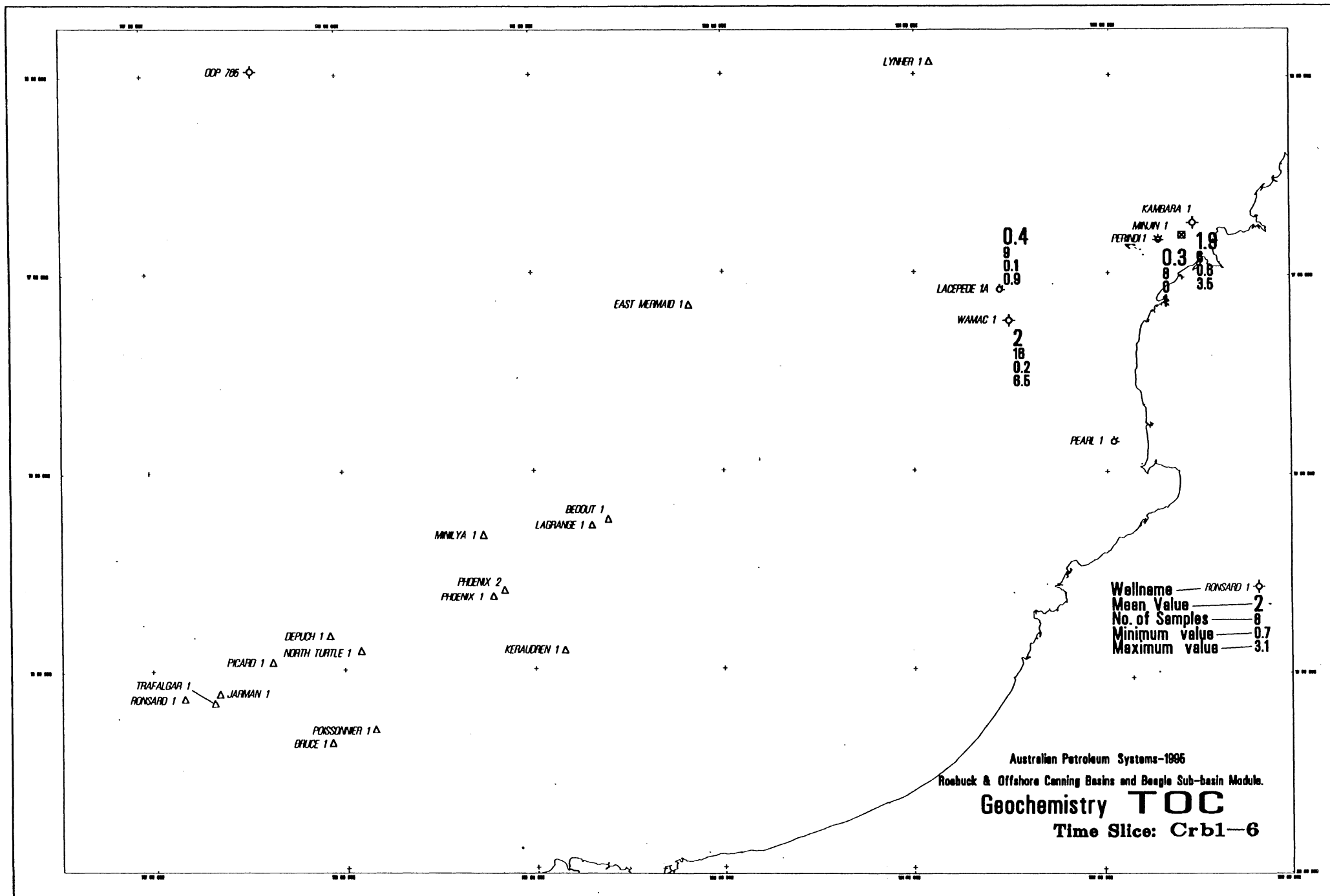
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 - VITRINITE REFLECTANCE DATA MAPS
 - HYDROGEN INDEX DATA MAPS
 - S2 (Potential Generation-Kilogram Hydrocarbon/Tonne)
 MAPS
- PART 2** - SUMMARY TABLE OF BEST SOURCE ROCK POTENTIAL
- PART 3** - AGSO 1995 ROCK-EVAL ANALYSES
- PART 4** - VAN KREVELEN PLOT FOR MODULE AREA

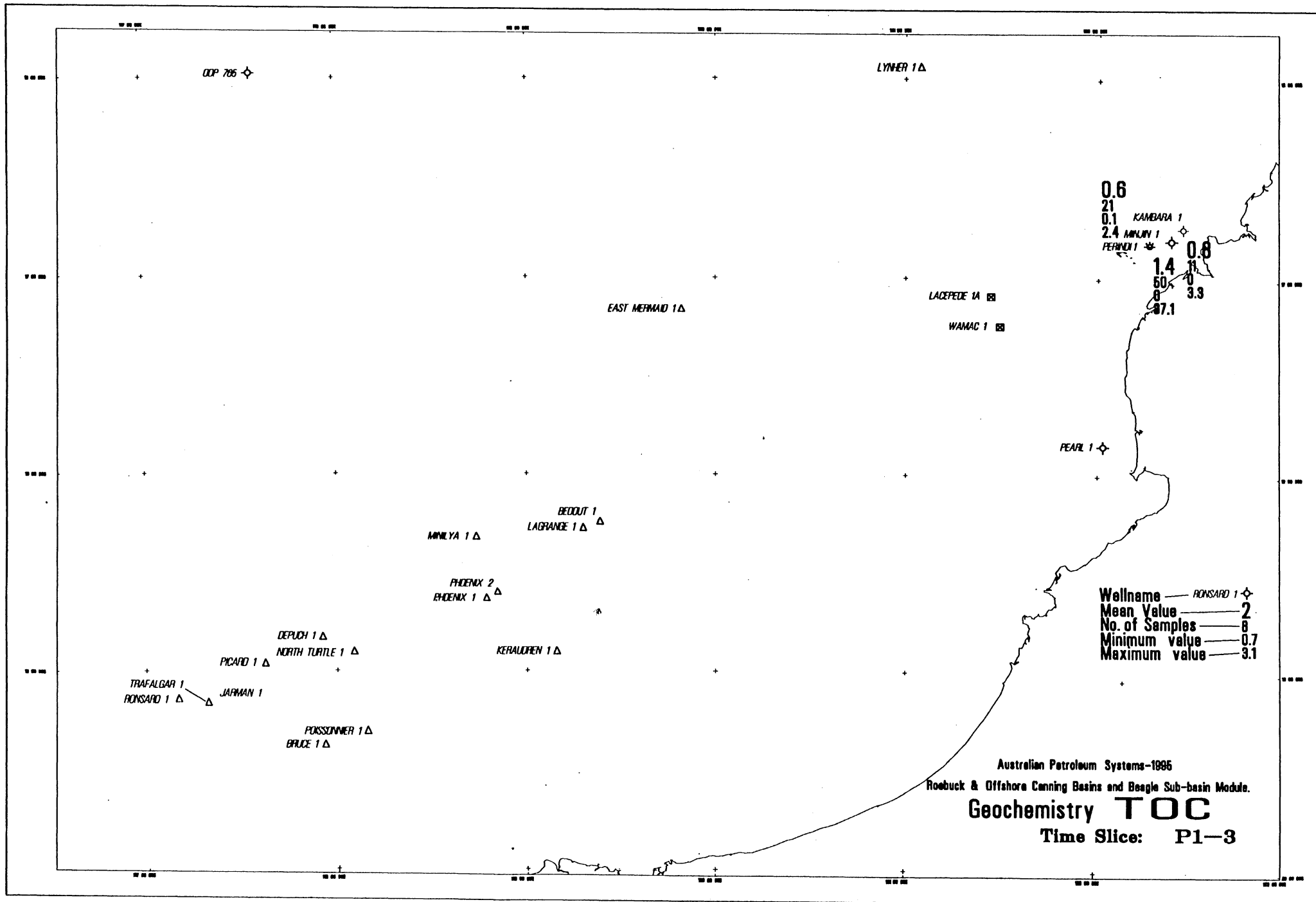
APPENDIX 5

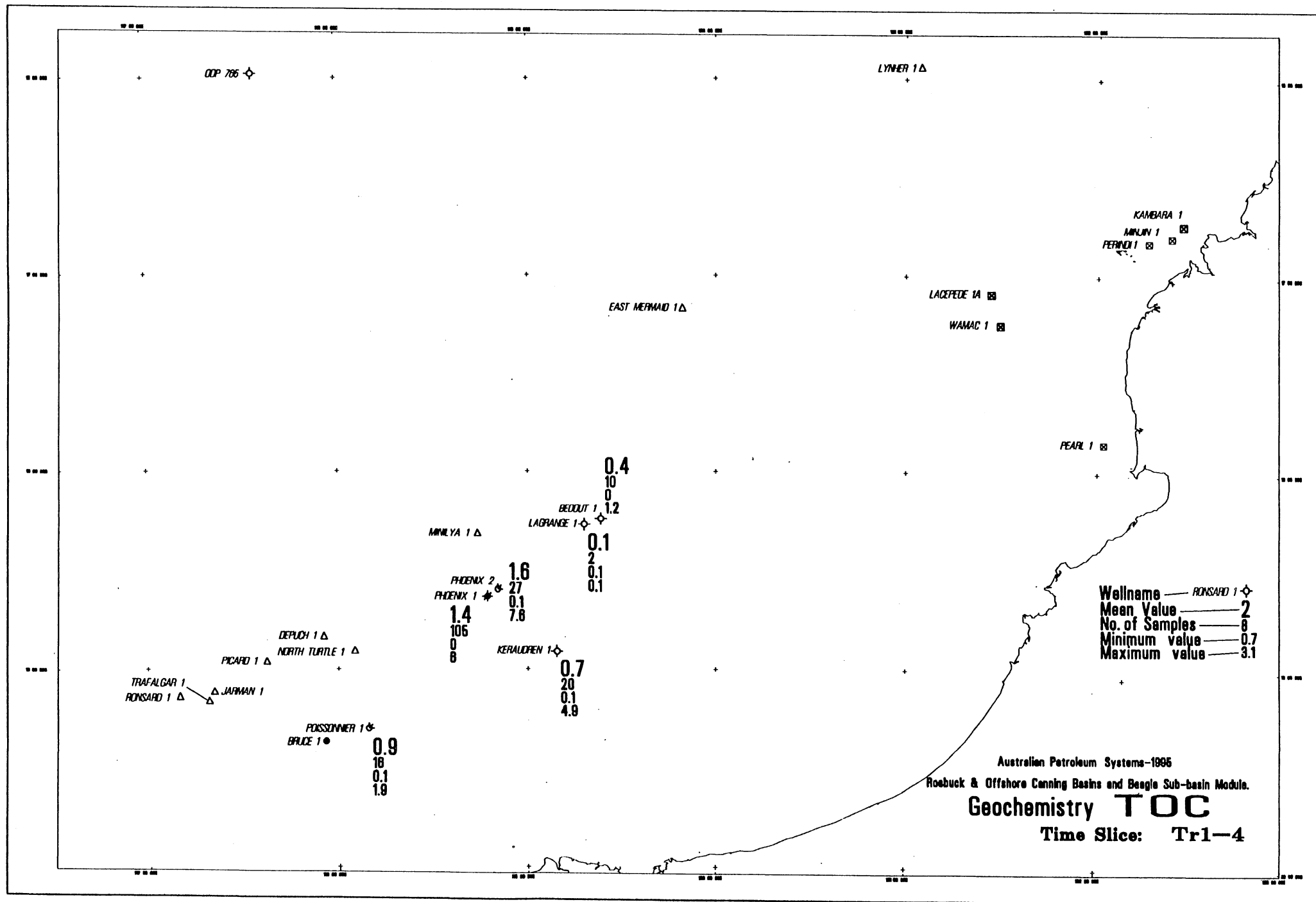
GEOCHEMISTRY DATABASE SUMMARY

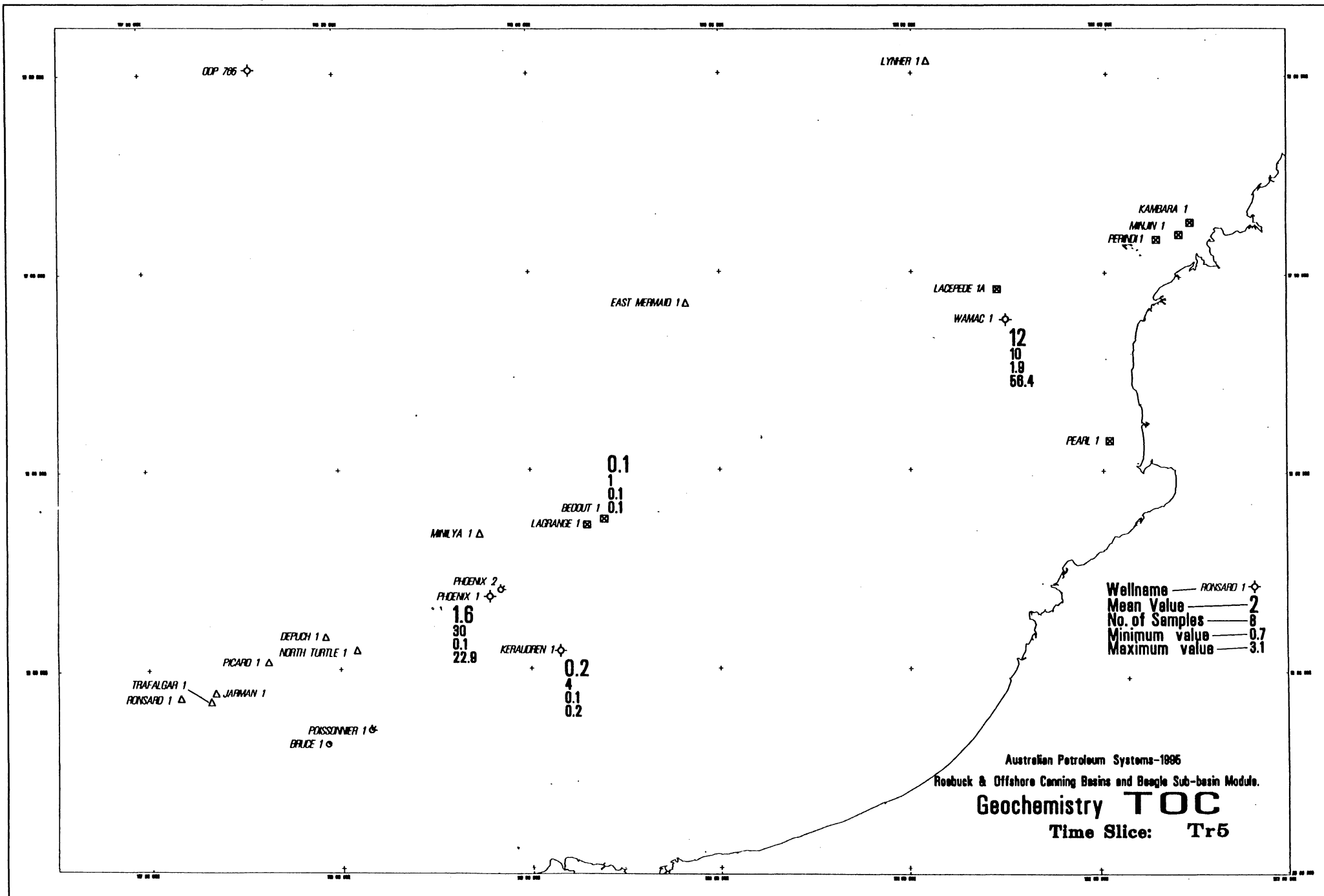
PART 1 - TOC DATA MAPS

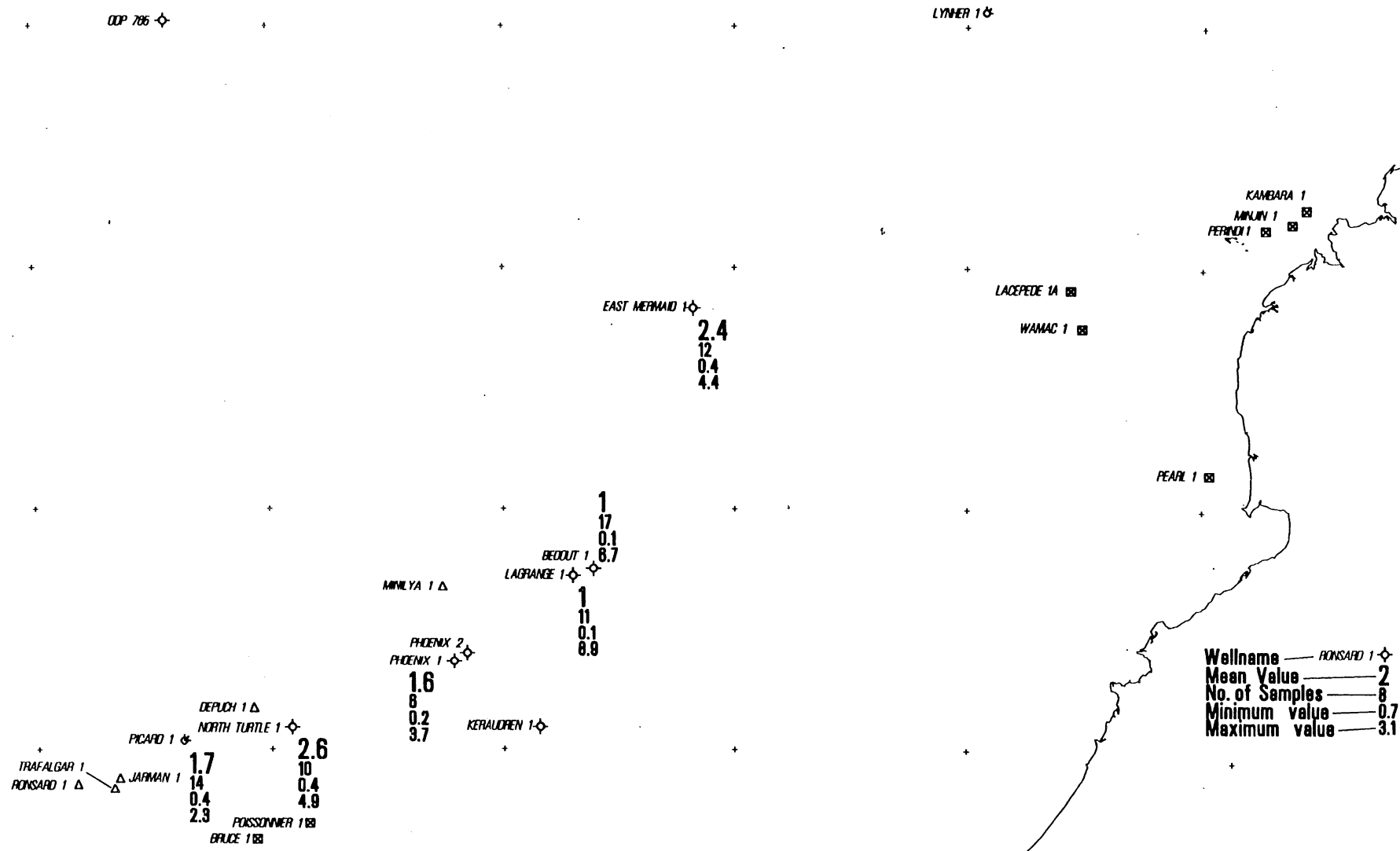












Australian Petroleum Systems-1996
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry TOC
 Time Slice: J1

ODP 785

LYNHER 1

KAMBARA 1
MILUN 1
PERINI 1

1.9
9
0.2
4.6

11.3
6
51.8

LACEPEDE 1A

WAMAC 1

16.2
18
0.4
58.4

PEARL 1

EAST MERMAID 1

3.3
21
0.4
13.8

12.4

BEDDOUT 1

41
1
56.3
3.7
3
1.1
8.9

LAGRANGE 1

MIRILYA 1

1.8
14
0.8
4

PHOENIX 2
PHOENIX 1

9
21
1.1
33.9

KERALDREN 1

15.5
21
2.5
48.9

DEPUCH 1

NORTH TURTLE 1

12.9
27
0.4
48.1

POISSONNIER 1
BRUCE 1

1.3
1
1.3
1.3

TRAFALGAR 1
RONSARD 1

0.3
2
0.2
0.5
2
11
1
3.7

PICARD 1

JARMAN 1

0.6
13
0.3
1.4

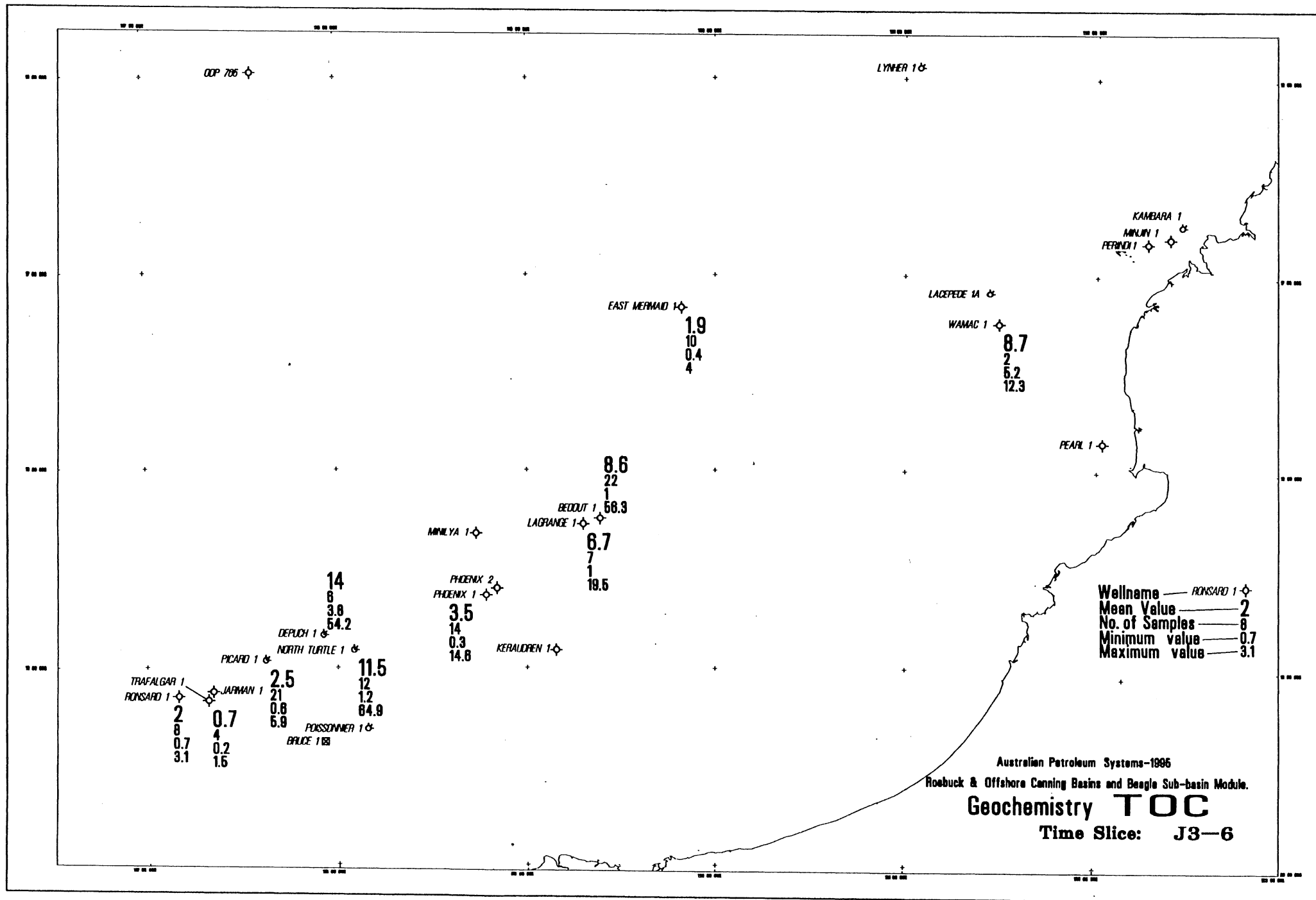
Wellname — RONSARD 1
Mean Value — 2
No. of Samples — 8
Minimum value — 0.7
Maximum value — 3.1

Australian Petroleum Systems-1995

Roeback & Offshore Canning Basins and Beagle Sub-basin Module.

Geochemistry TOC

Time Slice: J2



00P 786

LYNNER 1

EAST MERMAID 1

LACEPEDE 1A

WAMAC 1

PEARL 1

KAMBARA 1
MINIUN 1
FERRELL 1

MINILYA 1
1.3
4
0.7
2.4

BEDOUT 1
LAGRANCE 1

1.1
1
1.1
1.1

PHOENIX 2
PHOENIX 1

2.1
3
0.4
3.3

KERAUDREN 1

1.9
6
1.1
3.1

0.2
1
0.2
0.2
0.2
0.6
3
0.6
0.7

TRAFALGAR 1
RONSARD 1

PICARD 1
JARMAN 1

DEPUCH 1
NORTH TURTLE 1

0.7
2
0.8
0.8

POISSONNIER 1
BRUCE 1

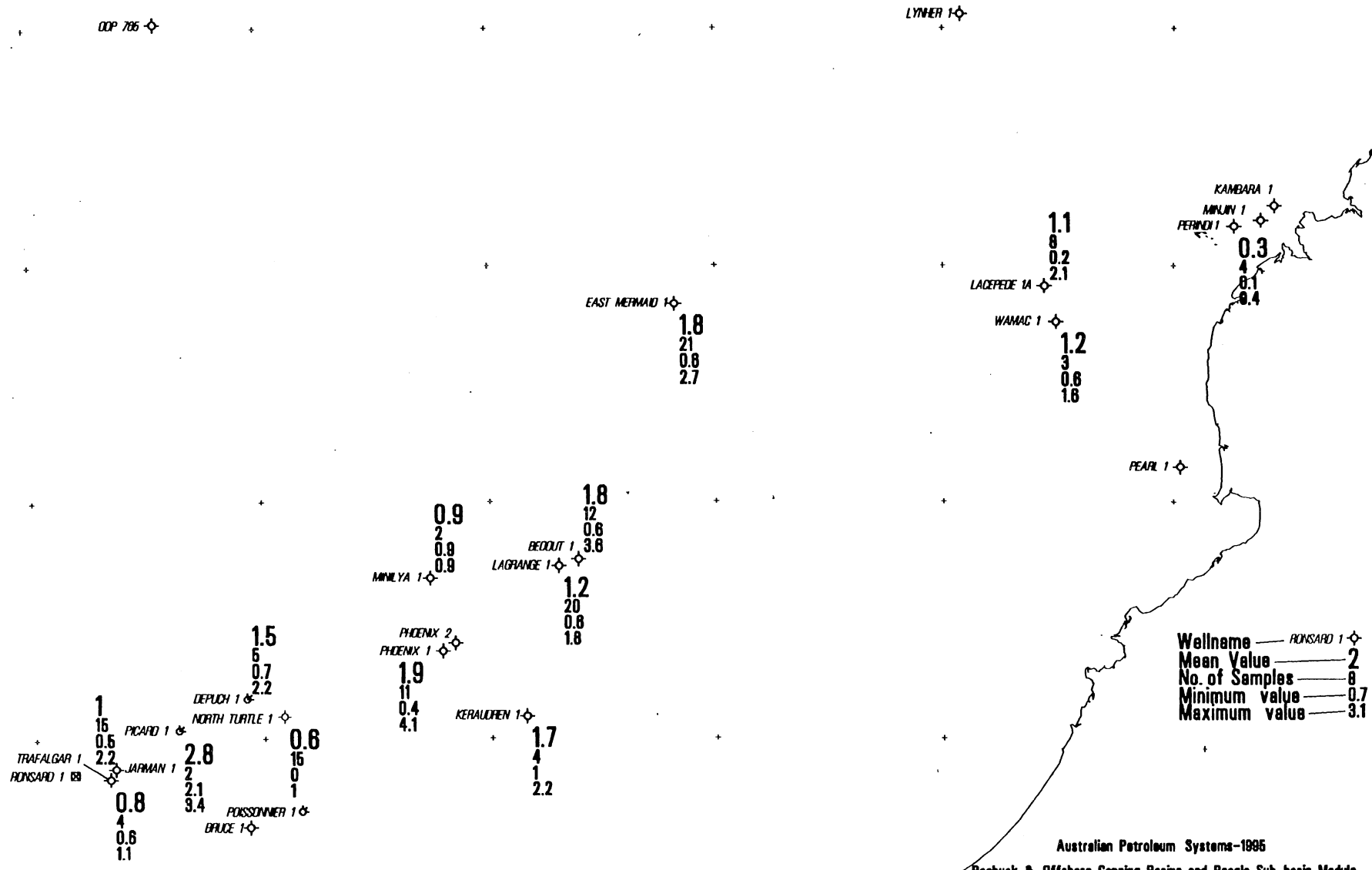
Wellname — RONSARD 1
Mean Value — 2
No. of Samples — 8
Minimum value — 0.7
Maximum value — 3.1

Australian Petroleum Systems-1996

Rosbuck & Offshore Canning Basins and Beagle Sub-basin Module.

Geochemistry **TOC**

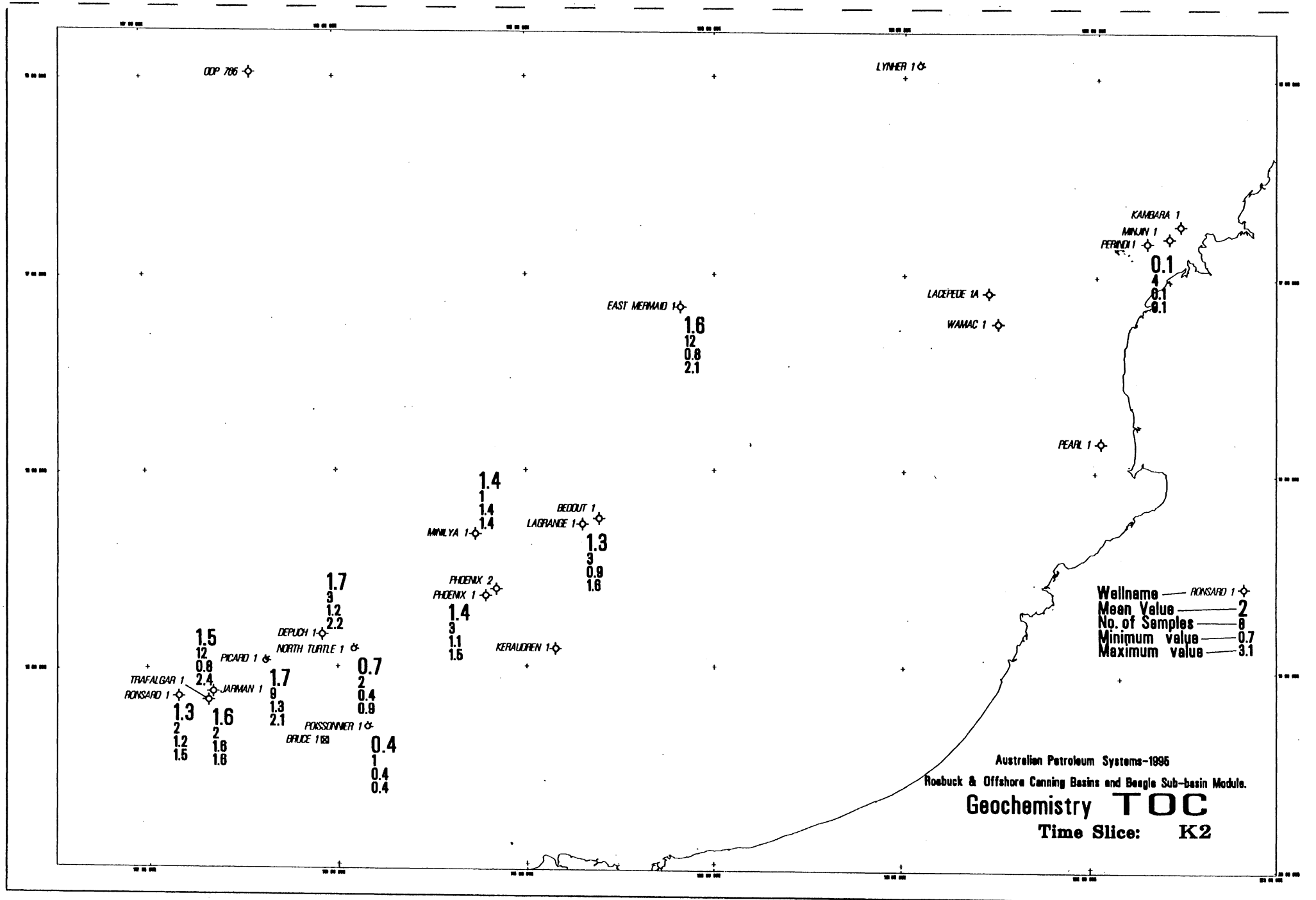
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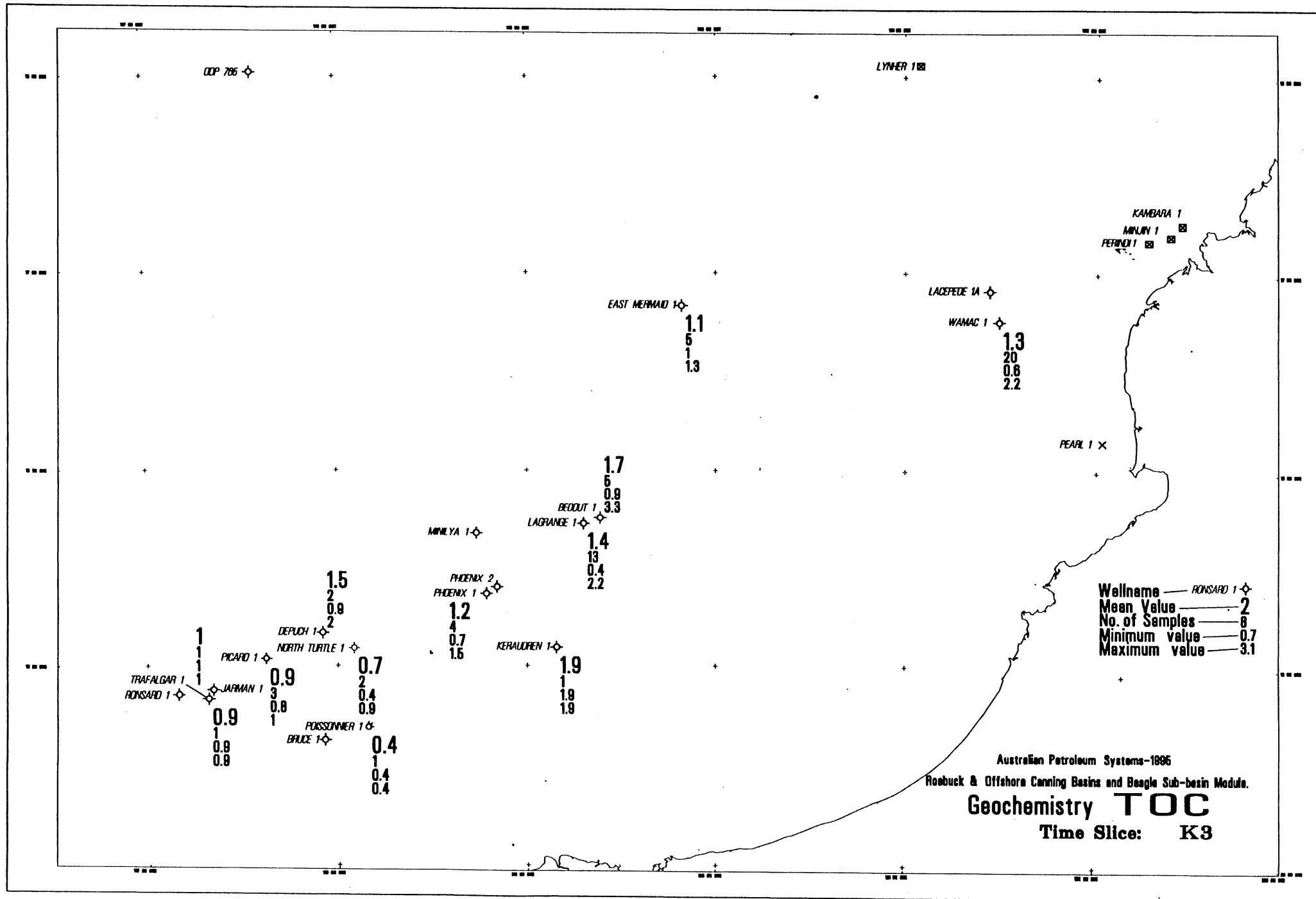


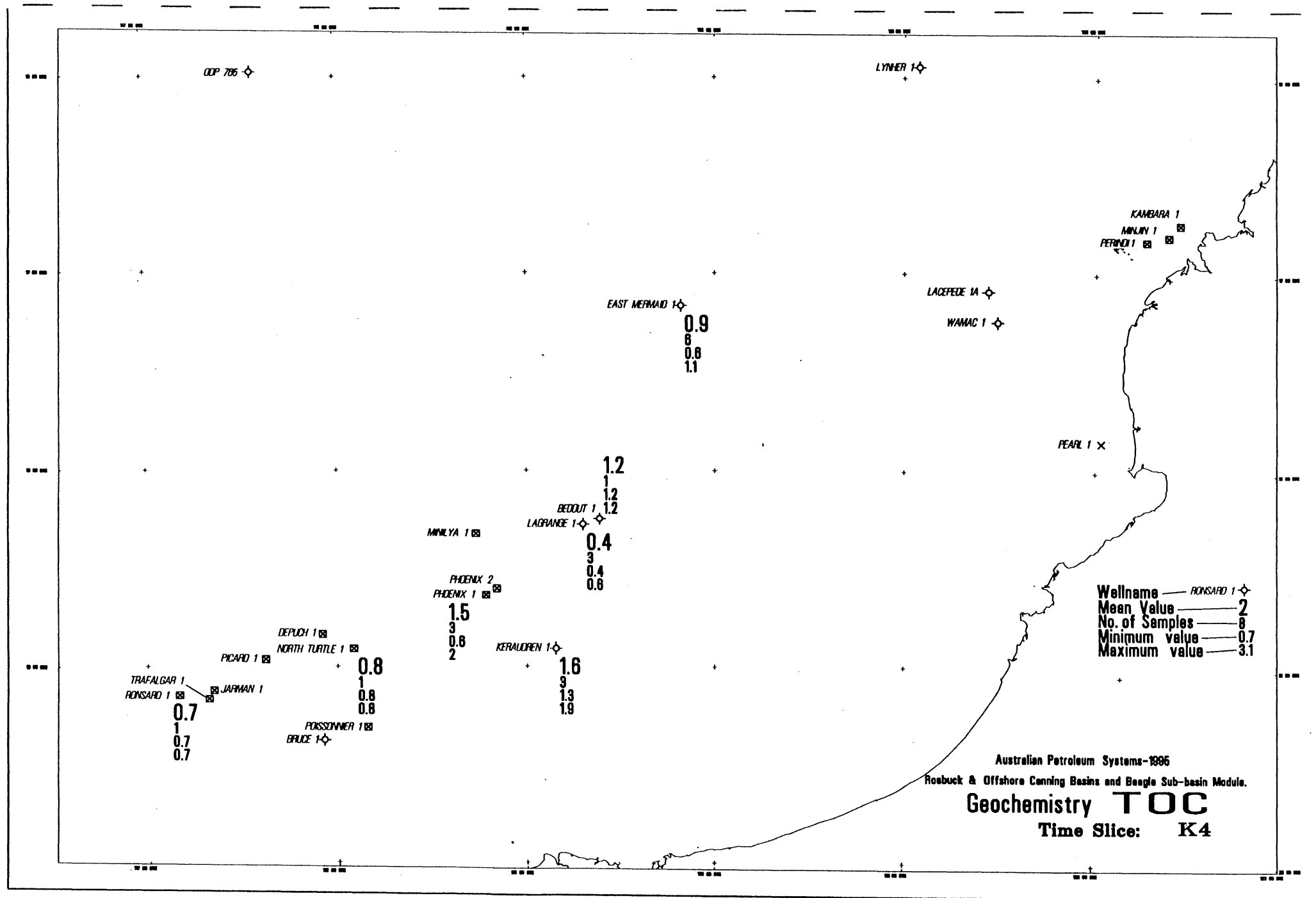
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 Mean Value — 2
 No. of Samples — 8
 Minimum value — 0.7
 Maximum value — 3.1

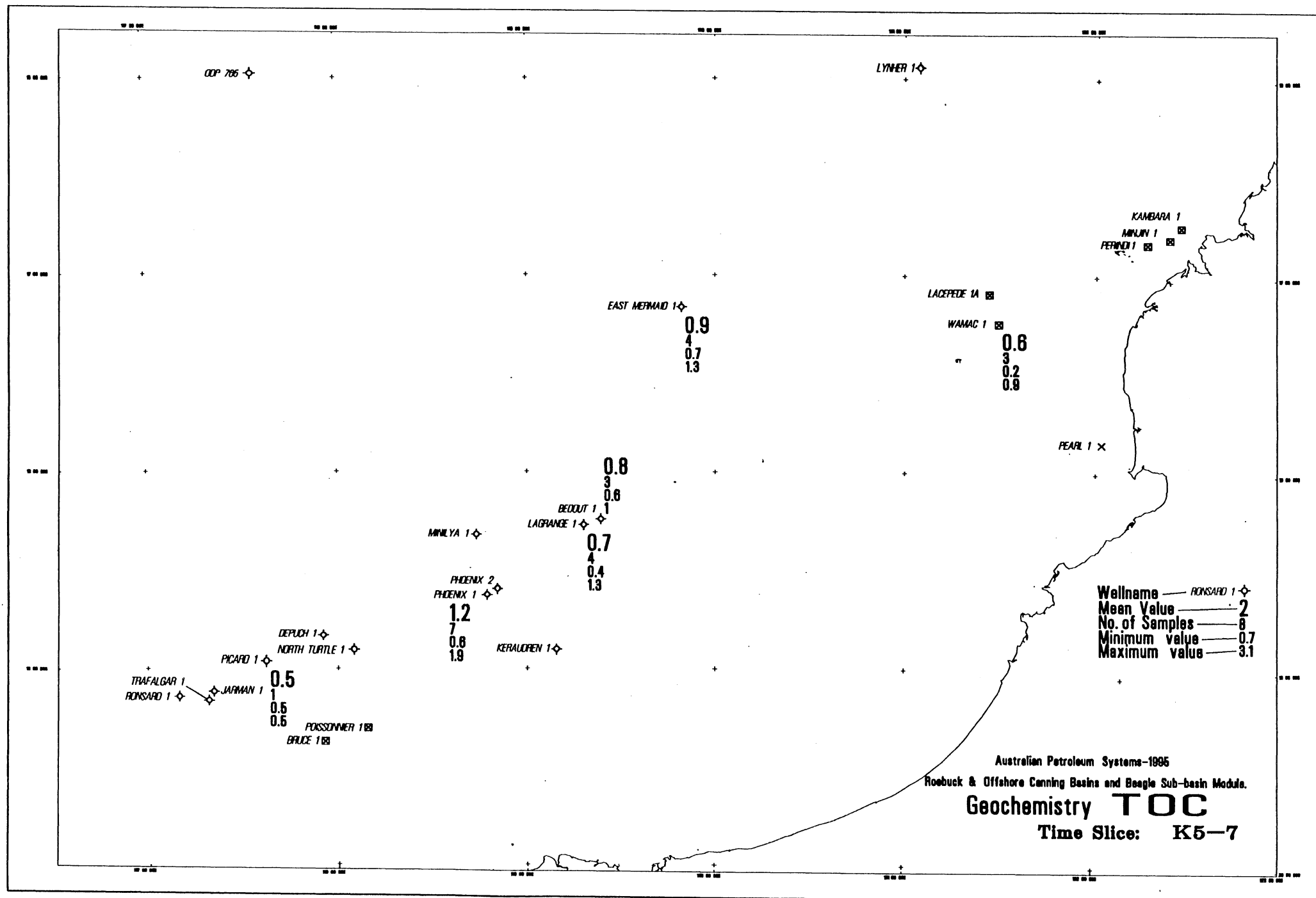
Australian Petroleum Systems—1995
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.

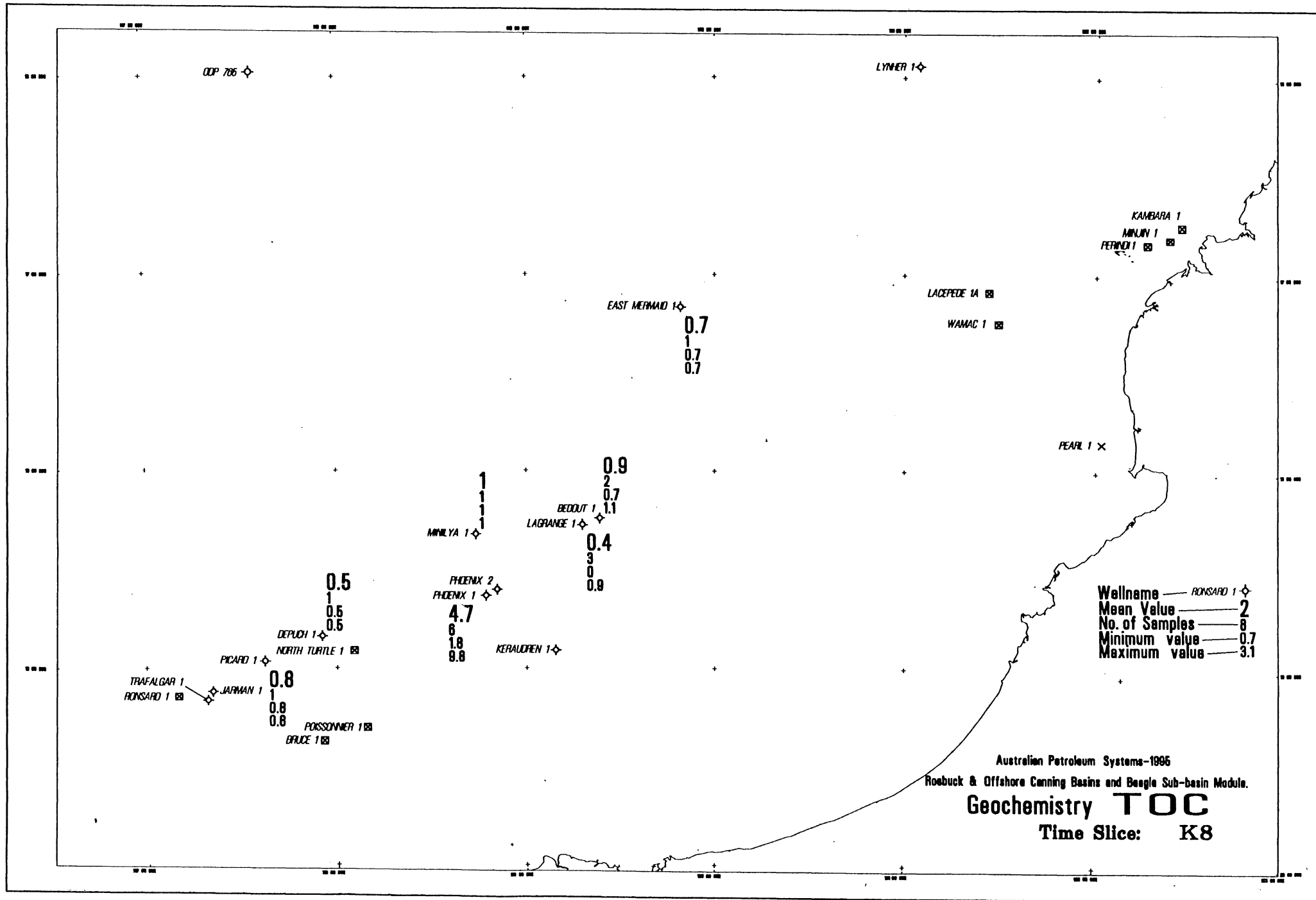
Geochemistry TOC
 Time Slice: K1

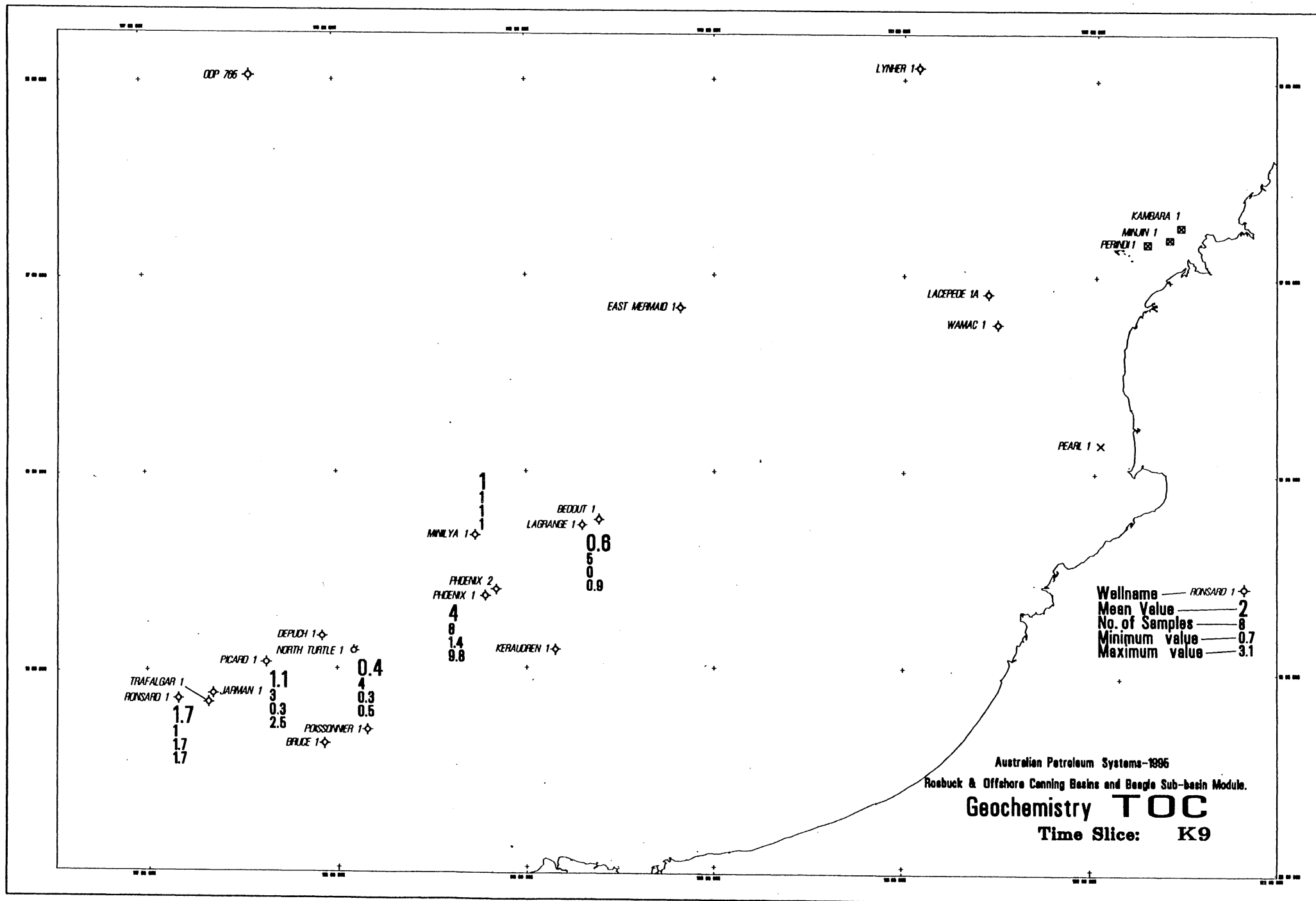


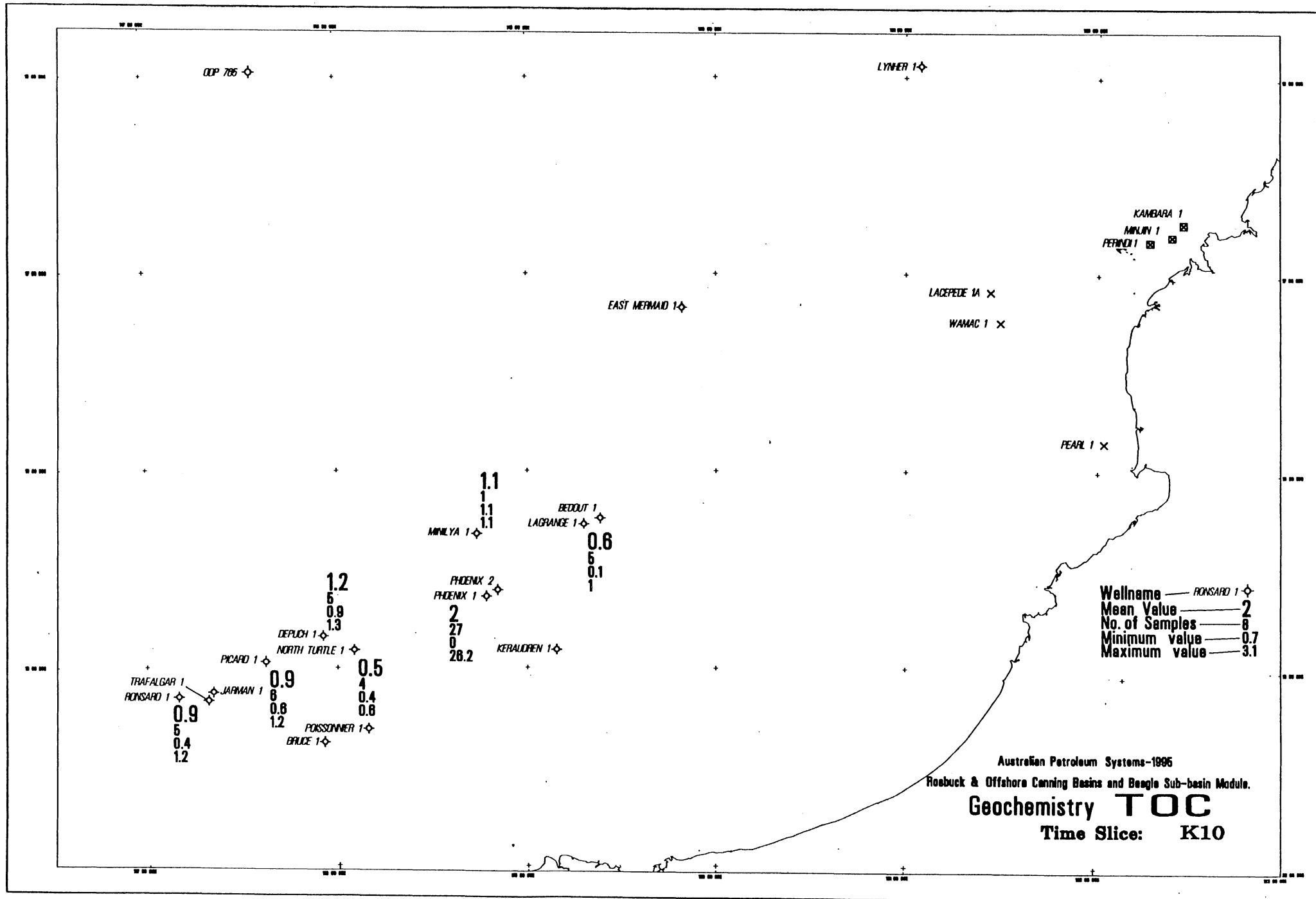


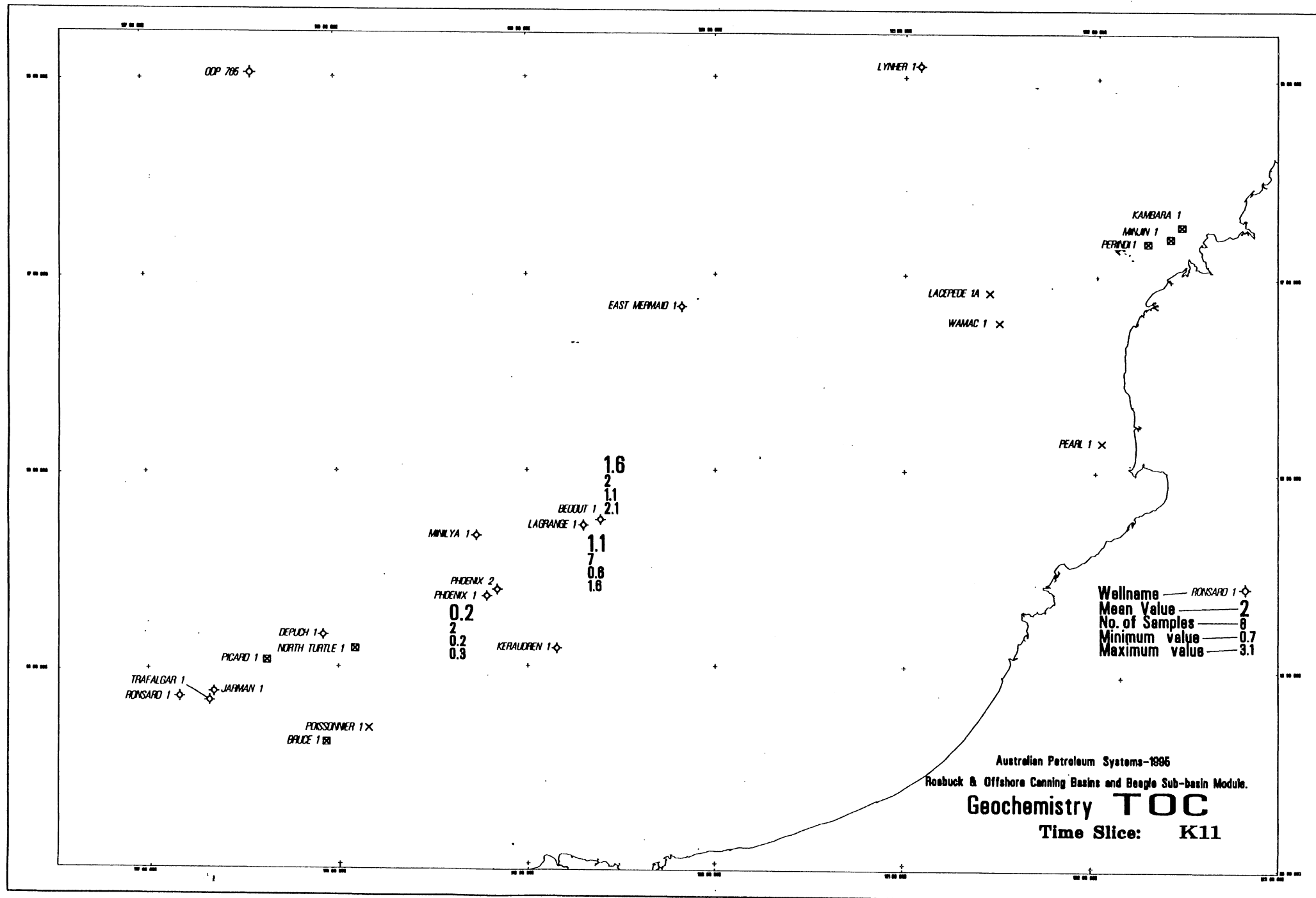












ODP 705 ◆

LYNHER 1X

KAMBARA 1
MINJIV 1
PERINCI 1

EAST MERNARD 1◆

LACEPEDE 1A X

WAMAC 1 X

PEARL 1 X

MINILYA 1◆
BEDOUT 1
LAGRANGE 1◆
0.6
1
0.6
0.6
PHOENIX 2
PHOENIX 1◆
0.2
1
0.2
0.2
KERALDREN 1◆

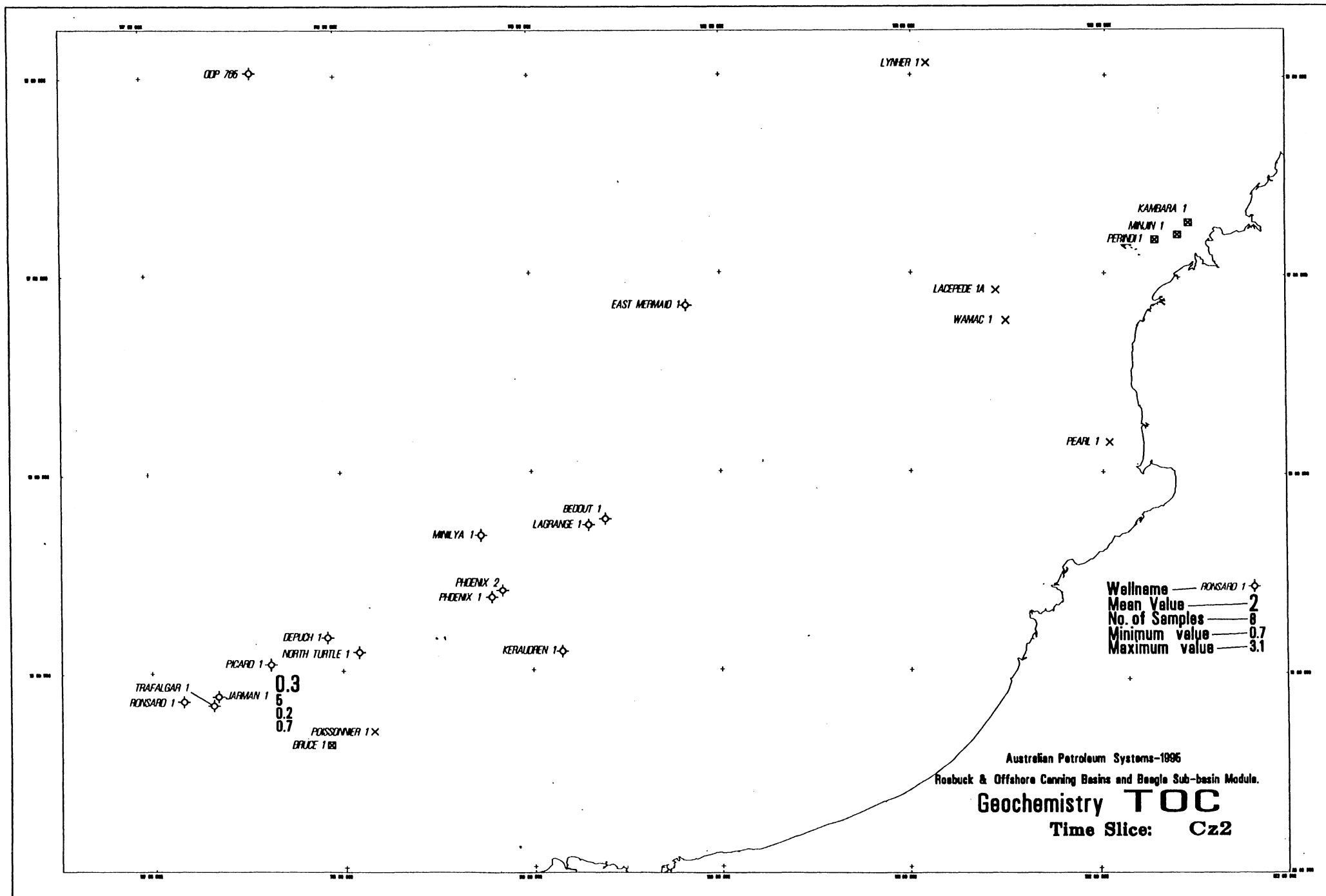
DEPUCH 1◆
NORTH TURTLE 1◆
PICARD 1◆
TRAFALGAR 1
RONSARD 1◆
JARMAN 1
0.8
20
0.4
1.6
POISSONNIER 1X
BRUCE 1◆

Wellname — RONSARD 1◆
Mean Value — 2
No. of Samples — 8
Minimum value — 0.7
Maximum value — 3.1

Australian Petroleum Systems-1995
Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.

Geochemistry **TOC**

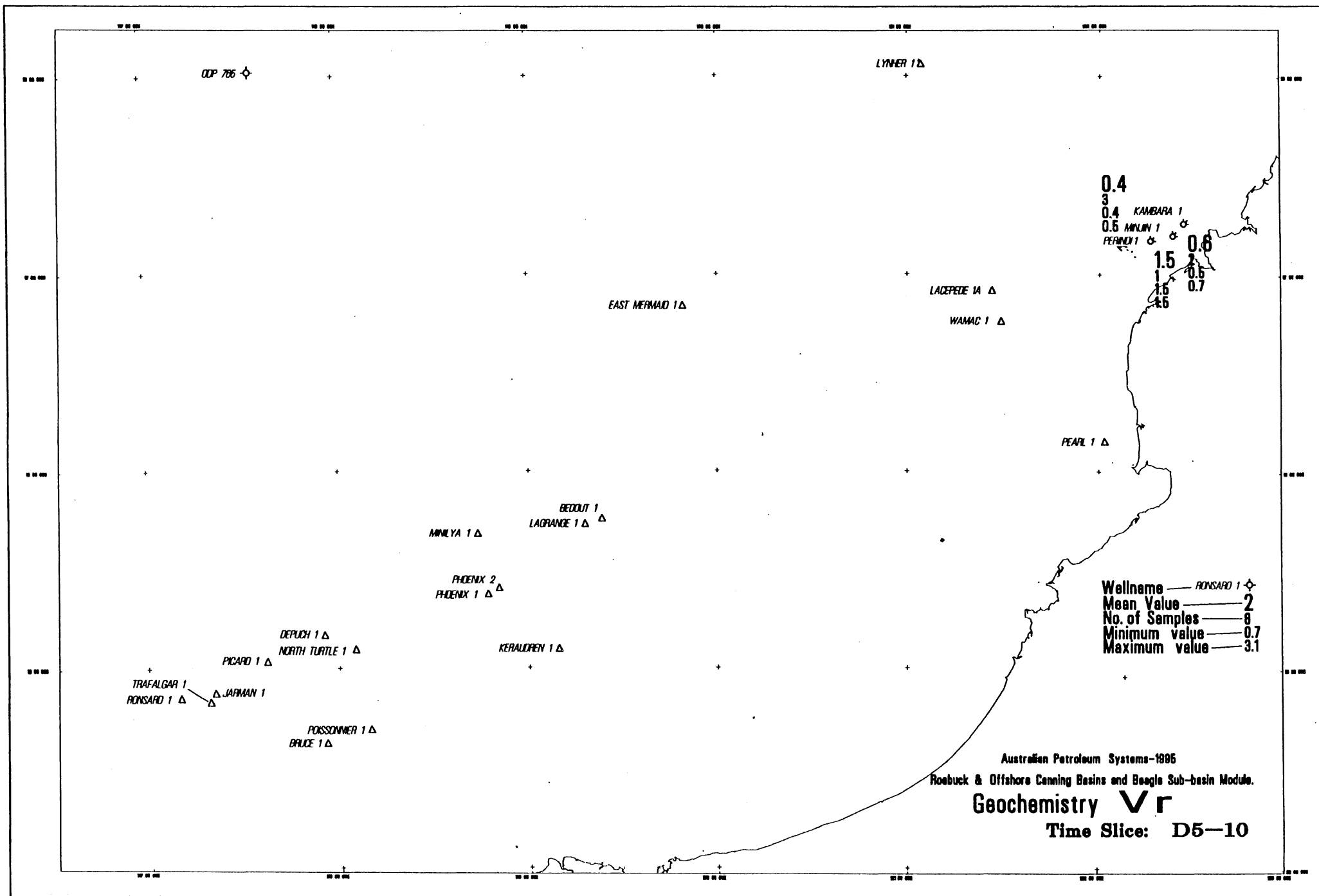
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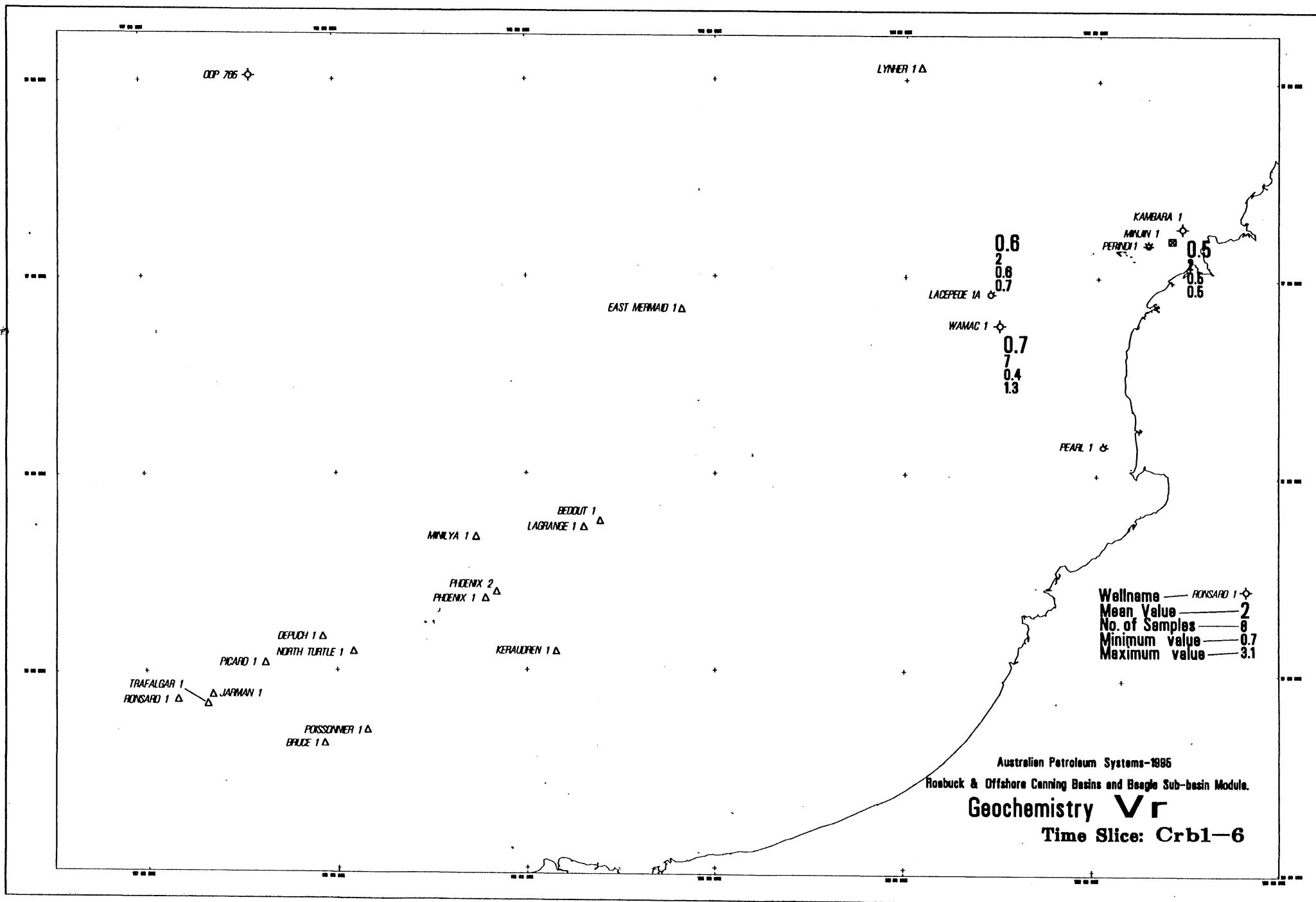


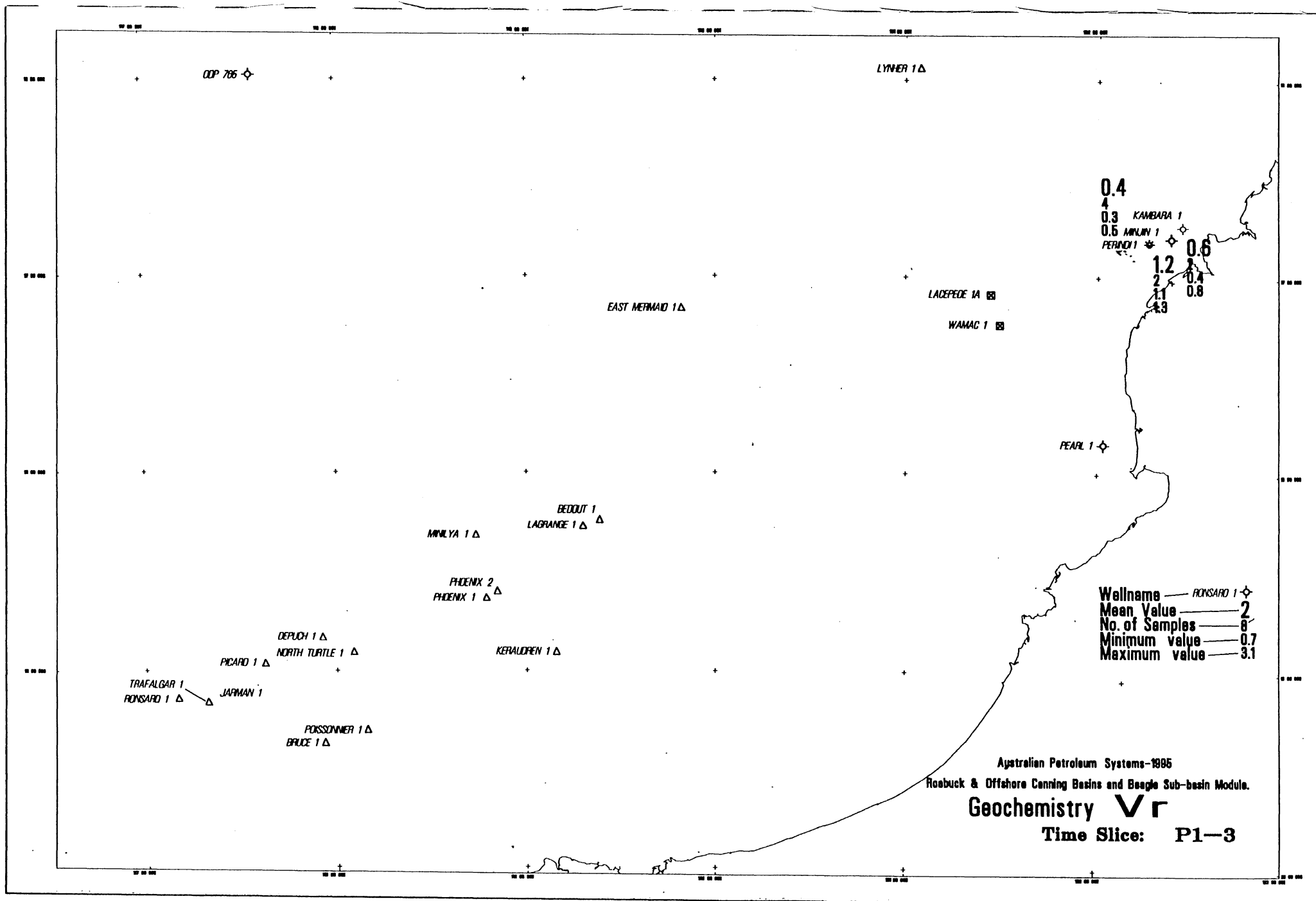
APPENDIX 5

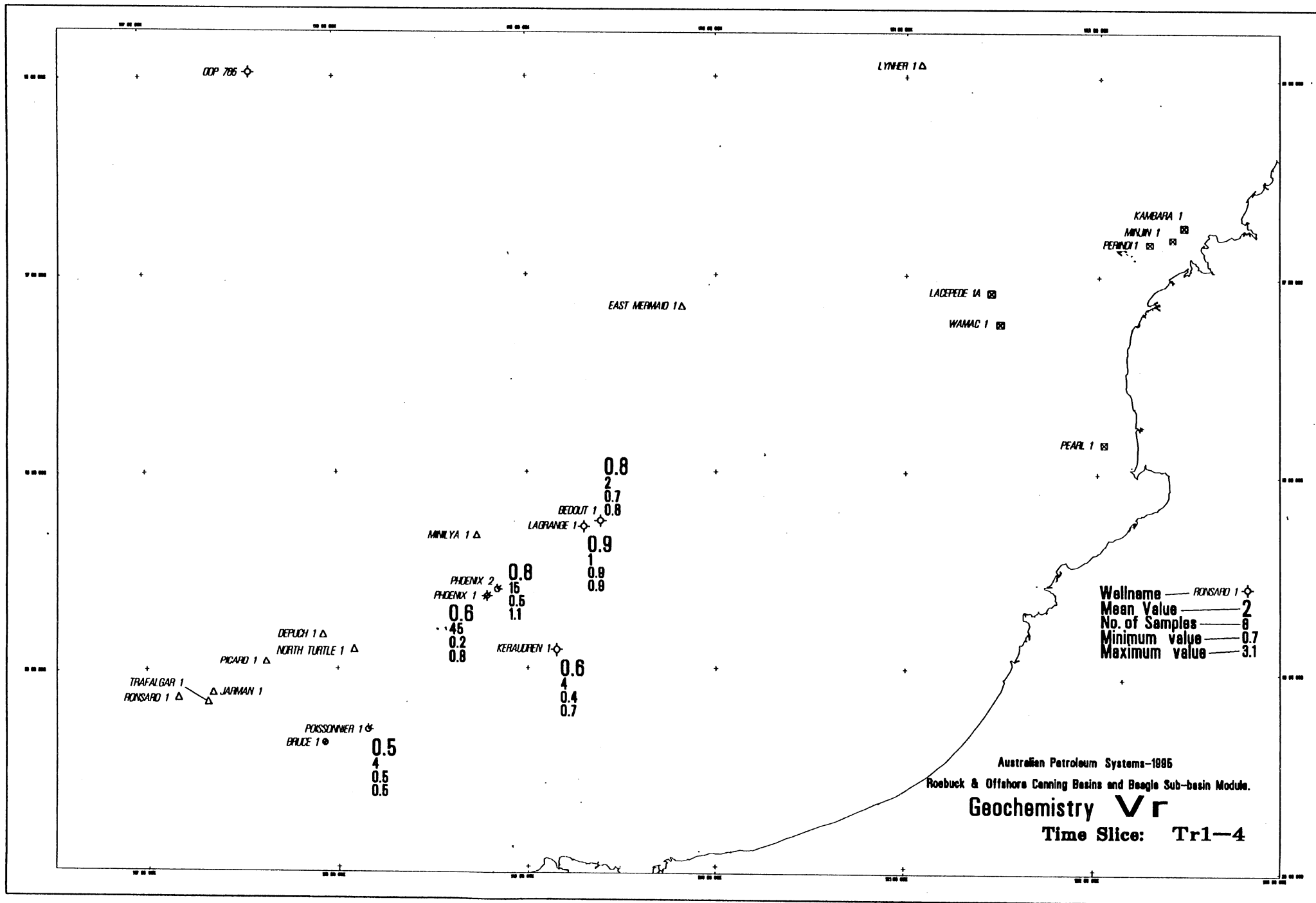
GEOCHEMISTRY DATABASE SUMMARY

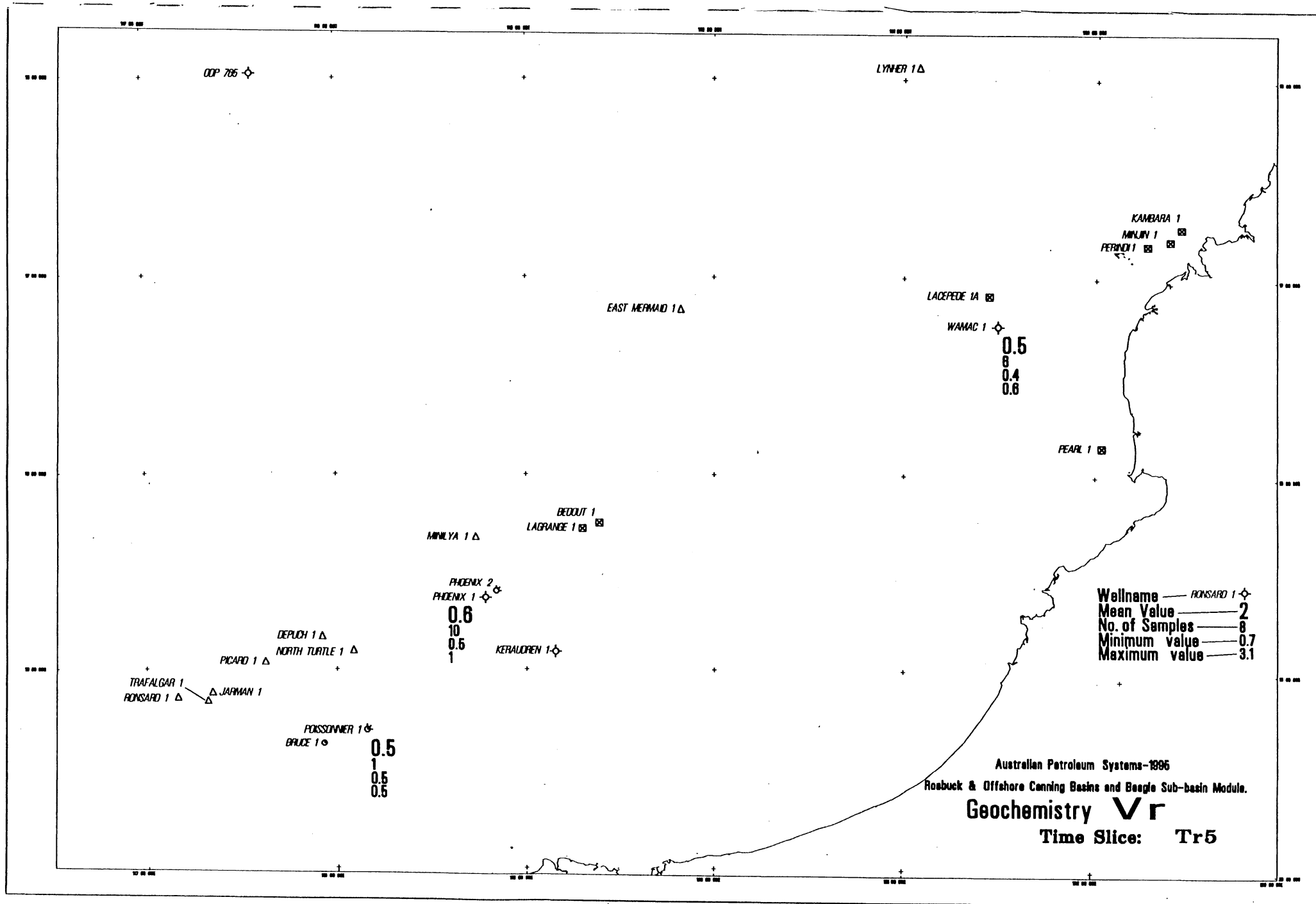
PART 1- VITRINITE REFLECTANCE DATA MAPS

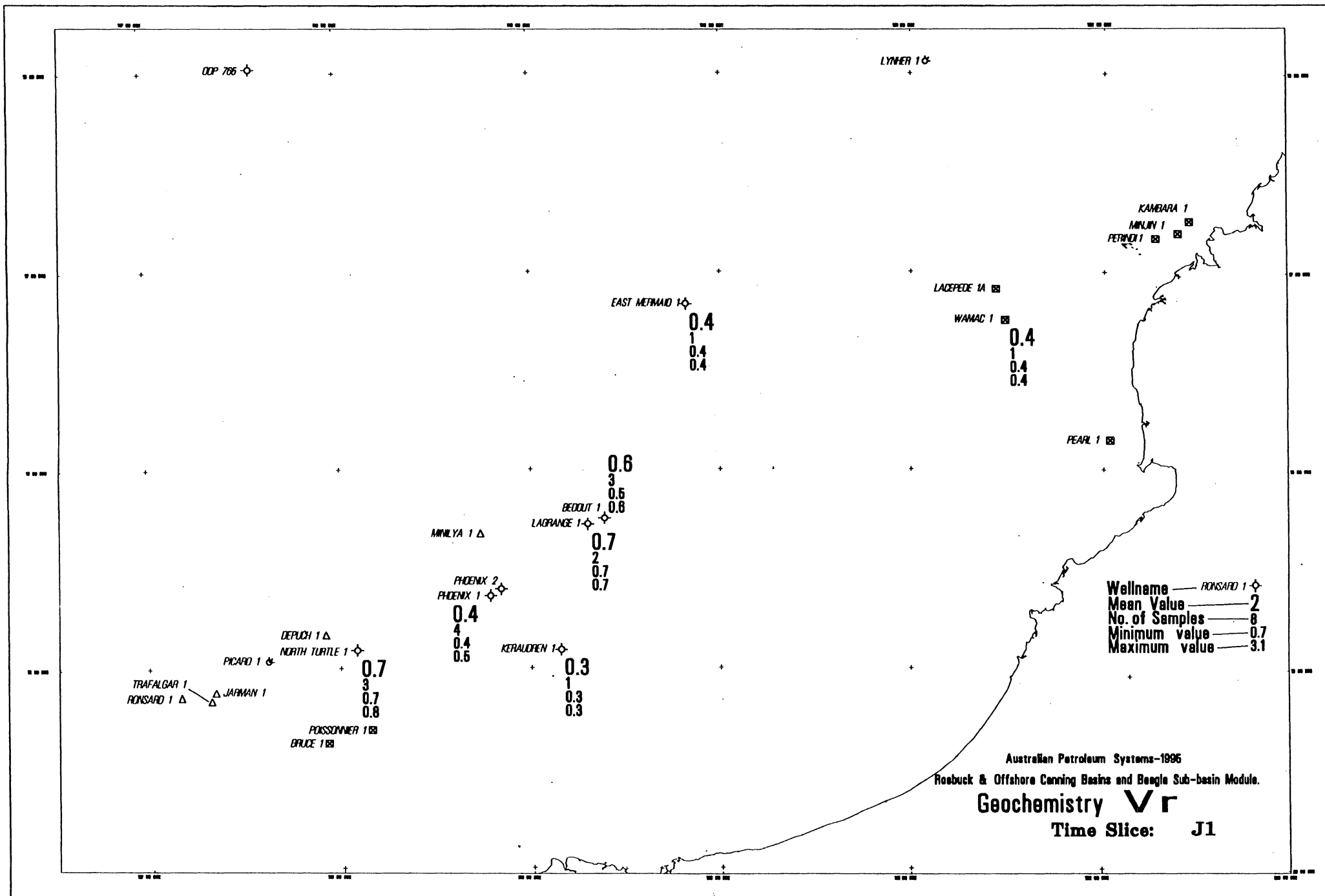


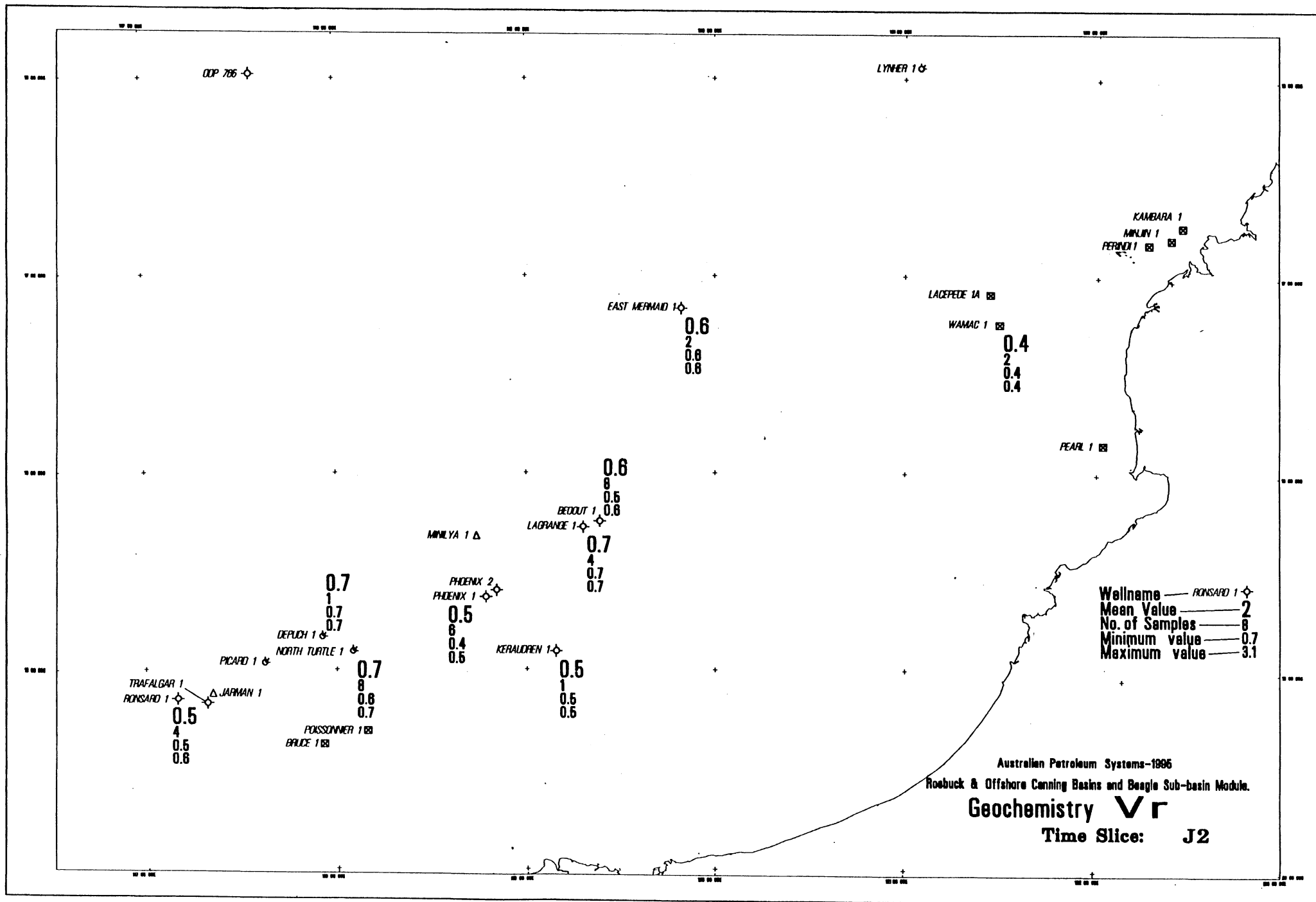


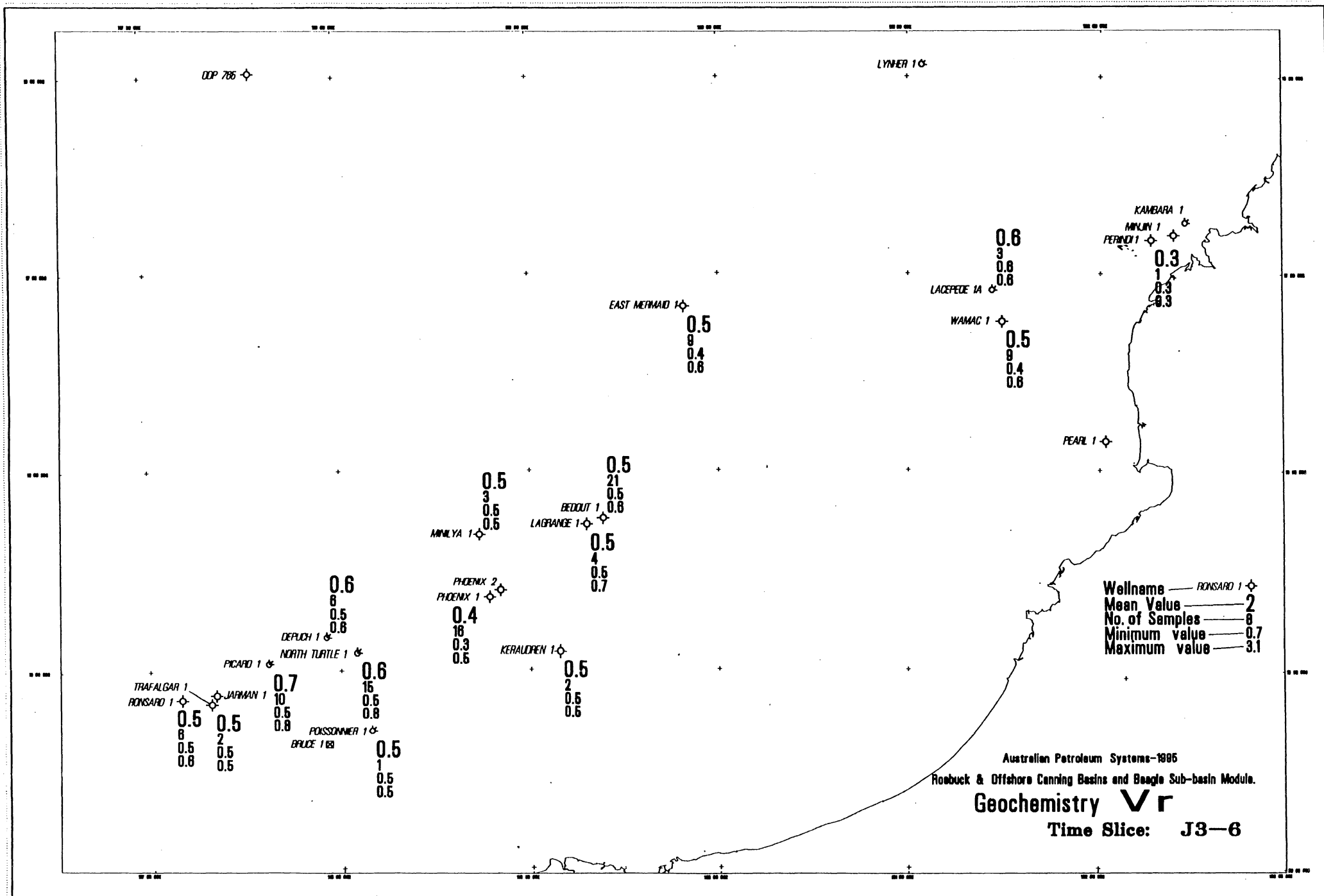


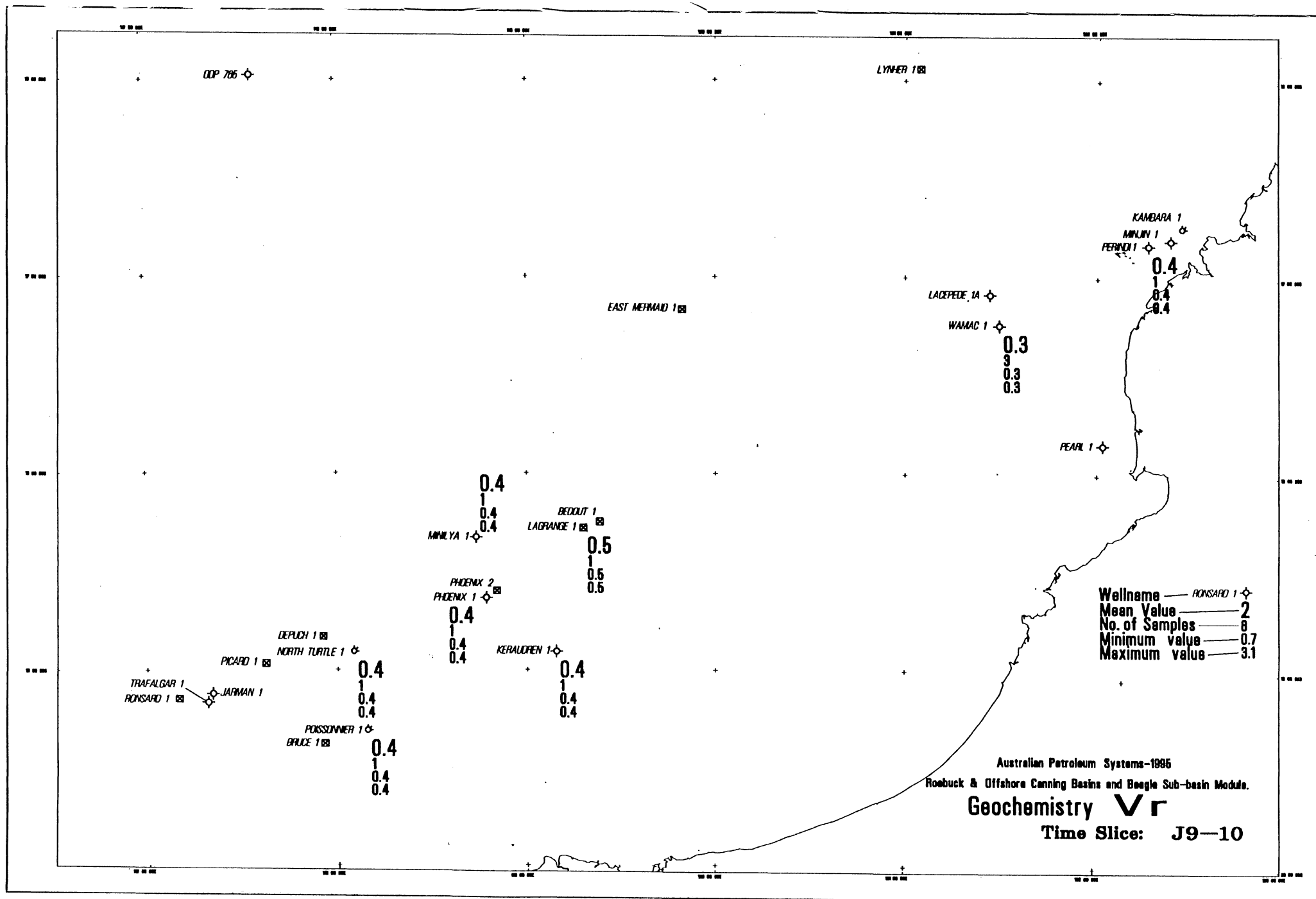


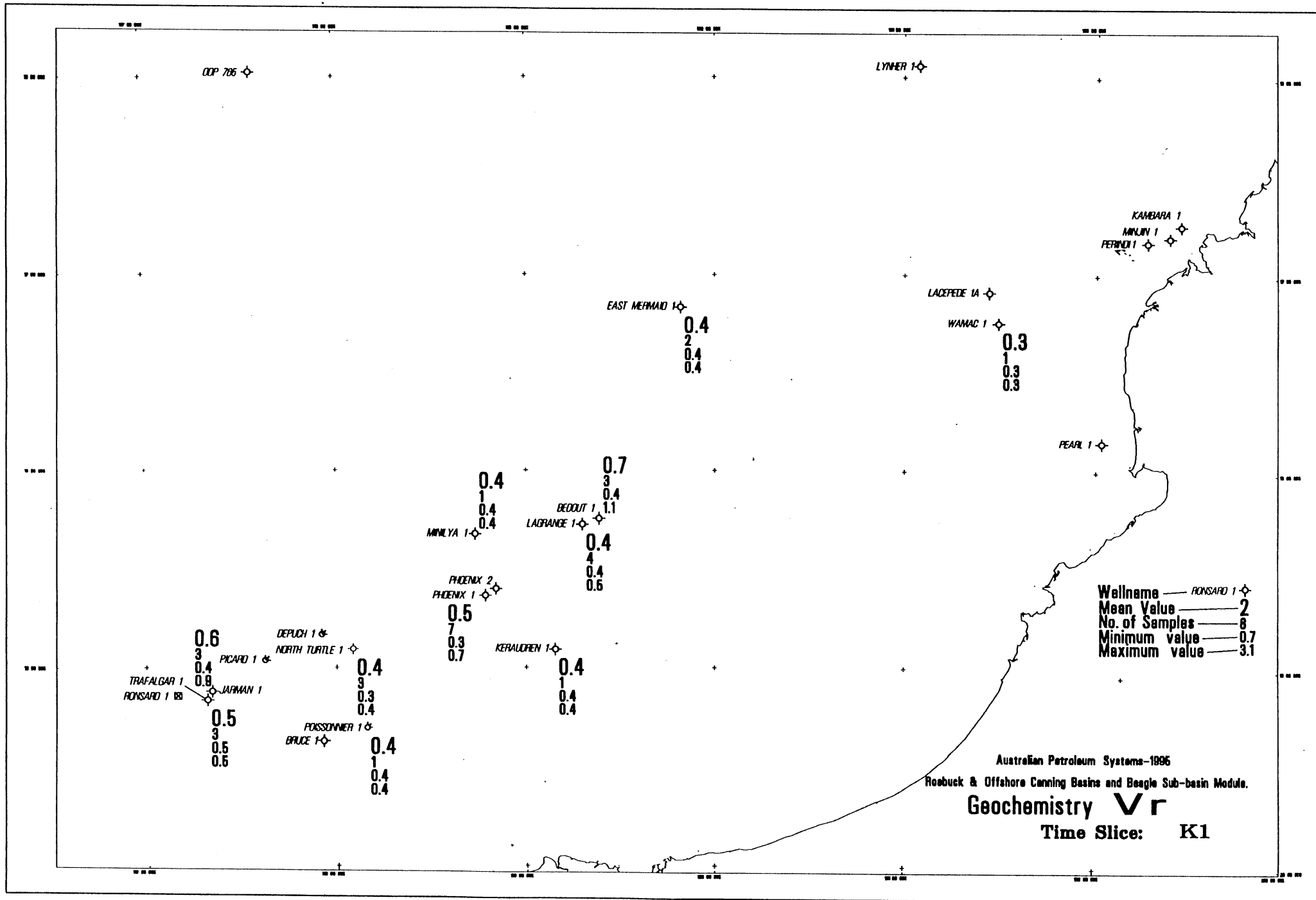


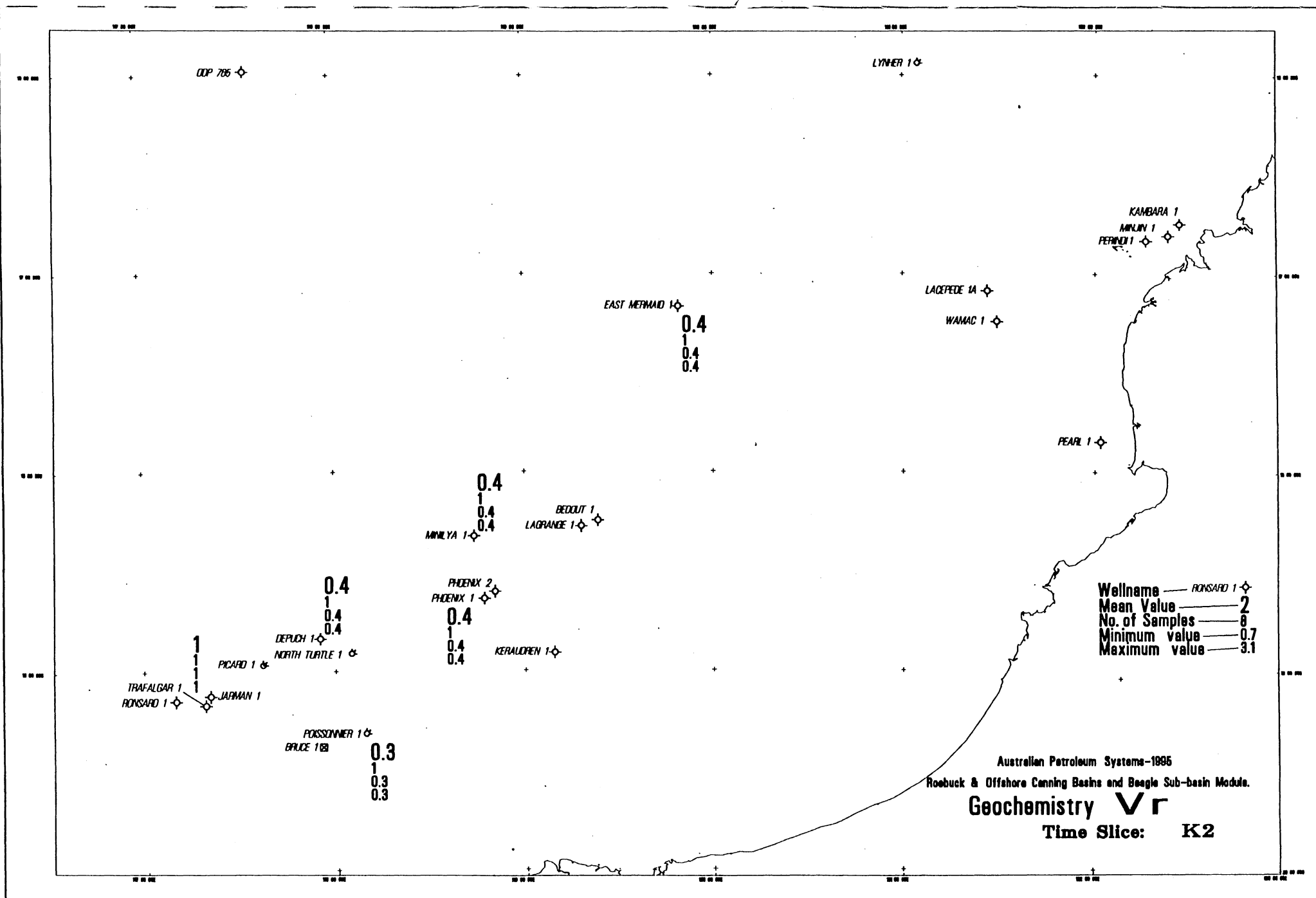




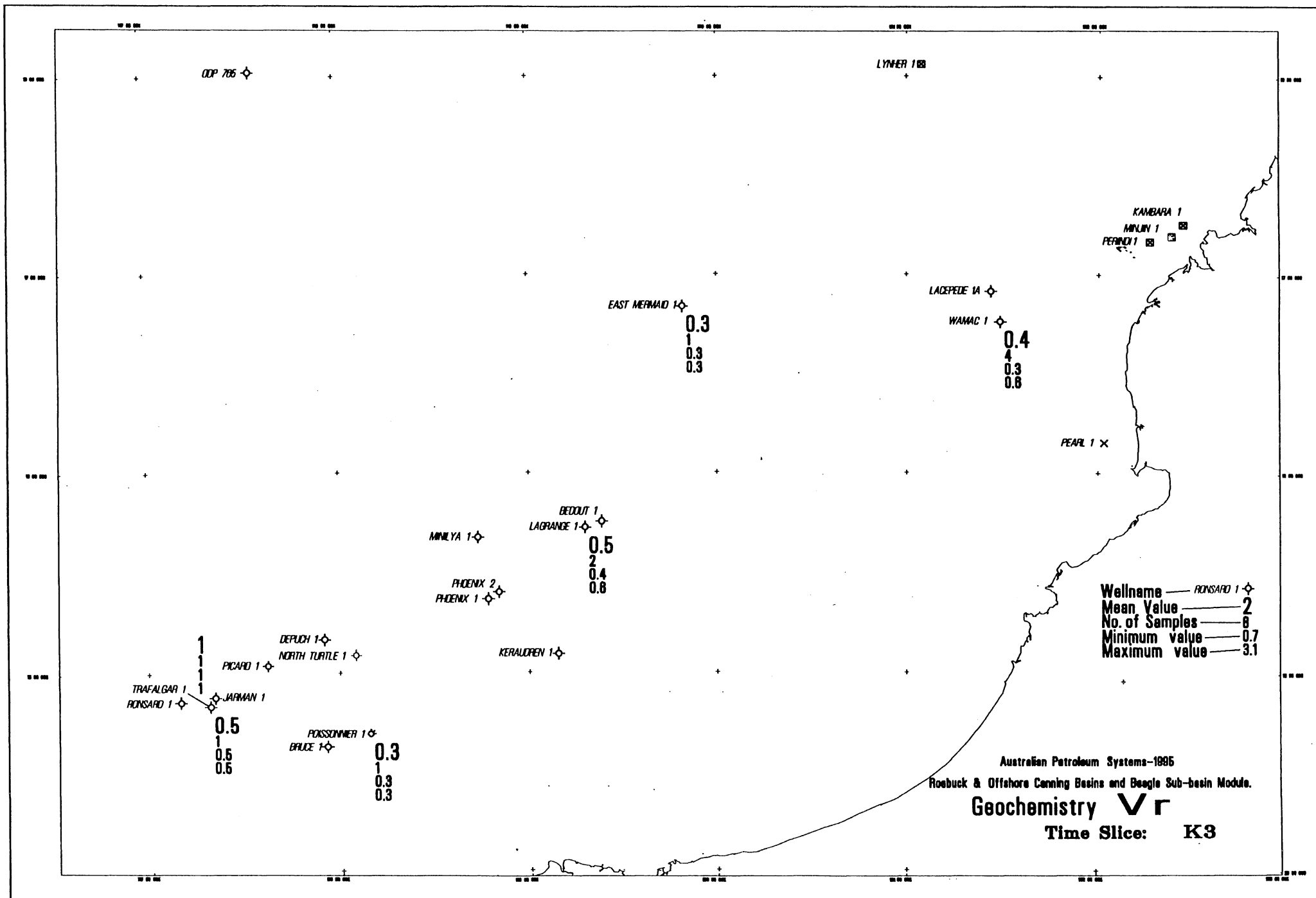


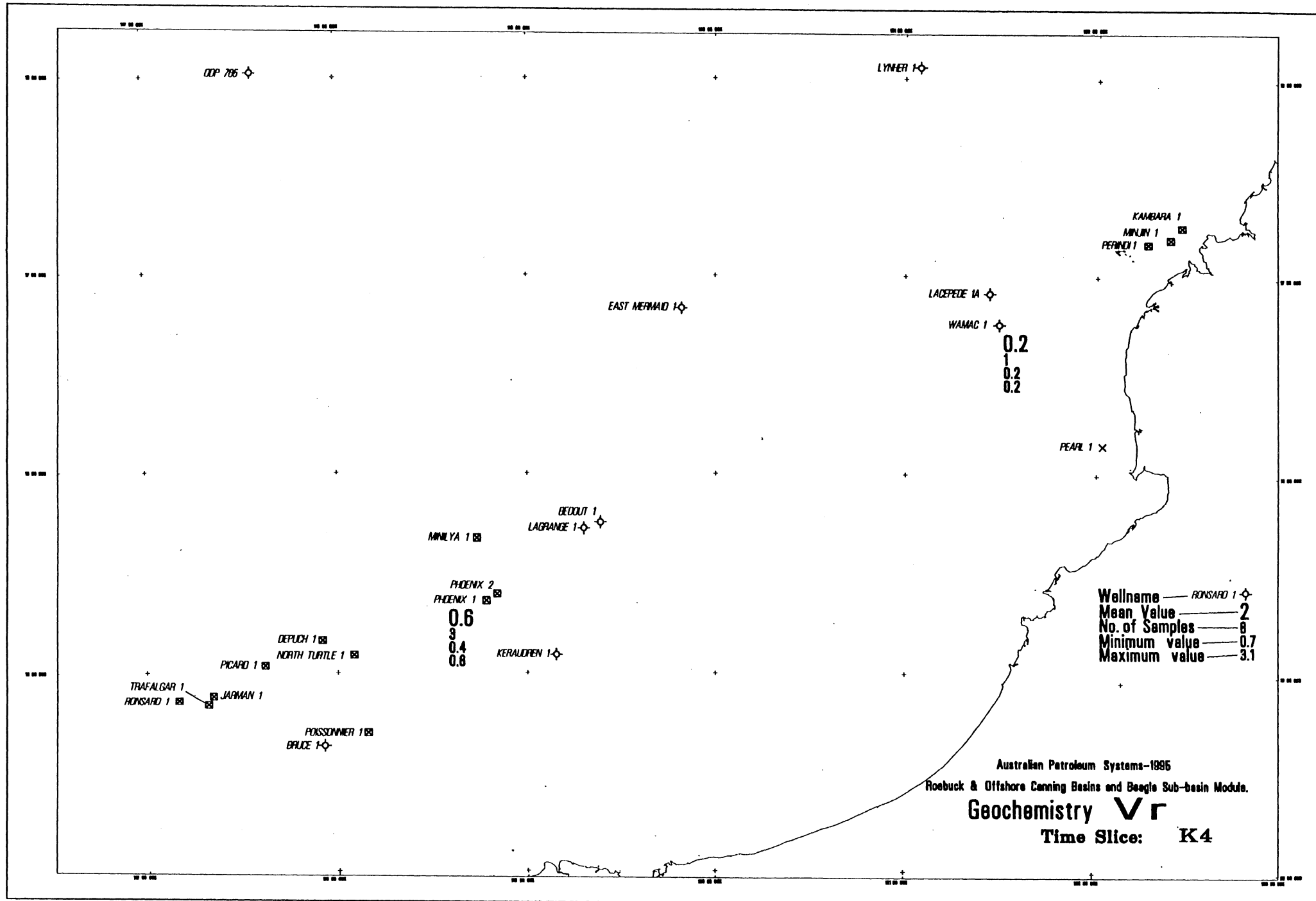


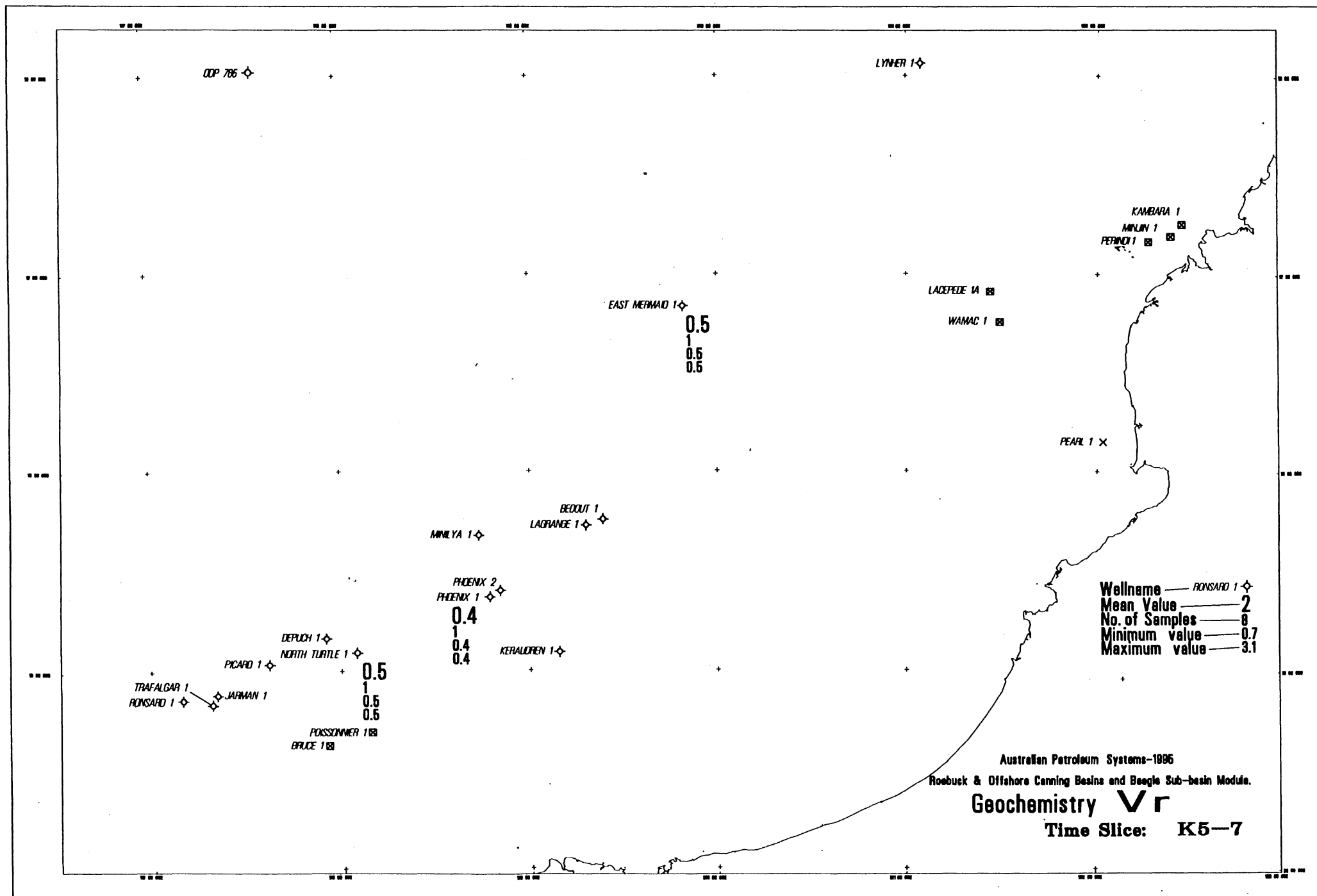


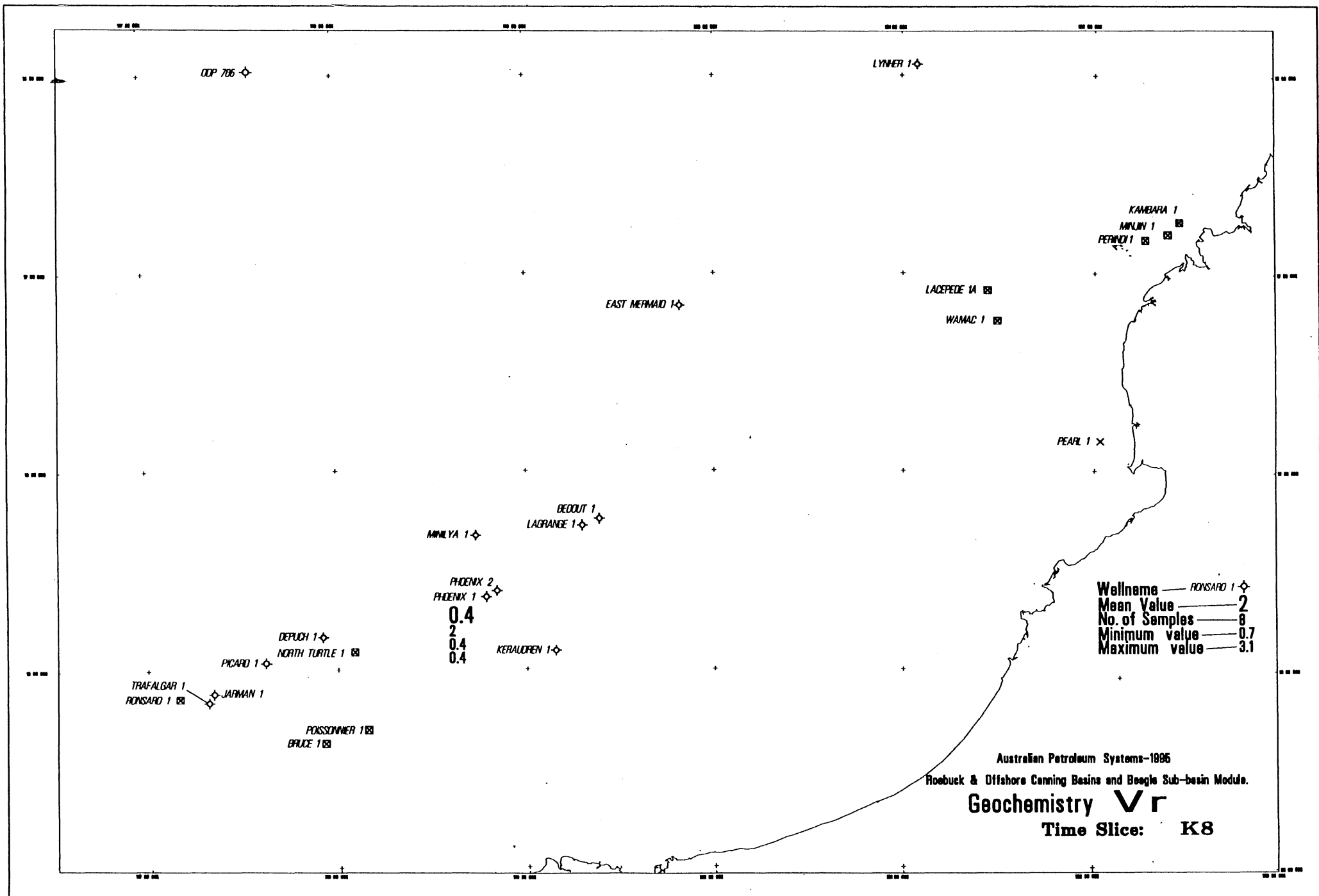


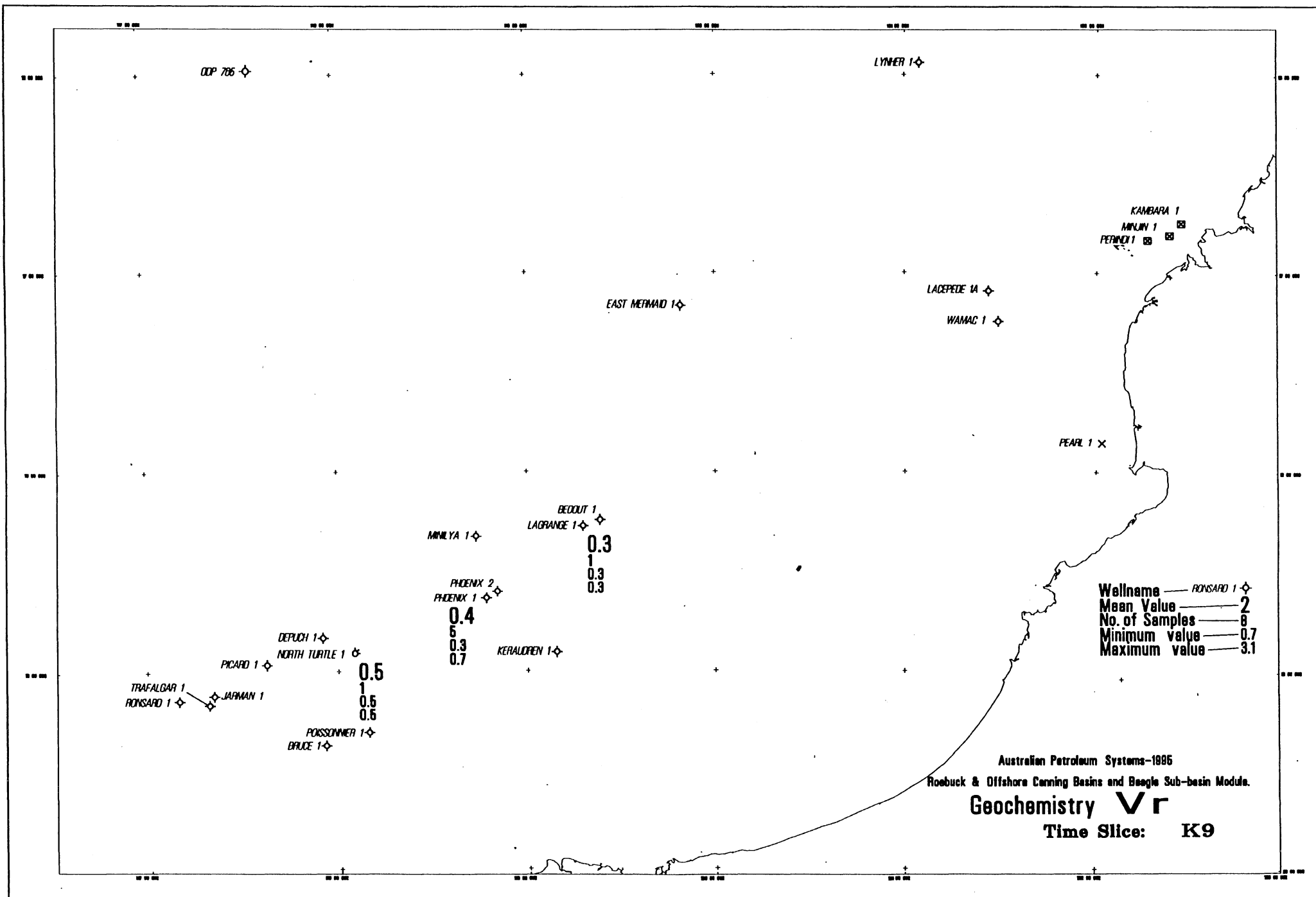
Australian Petroleum Systems-1995
Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry V_r
Time Slice: K2

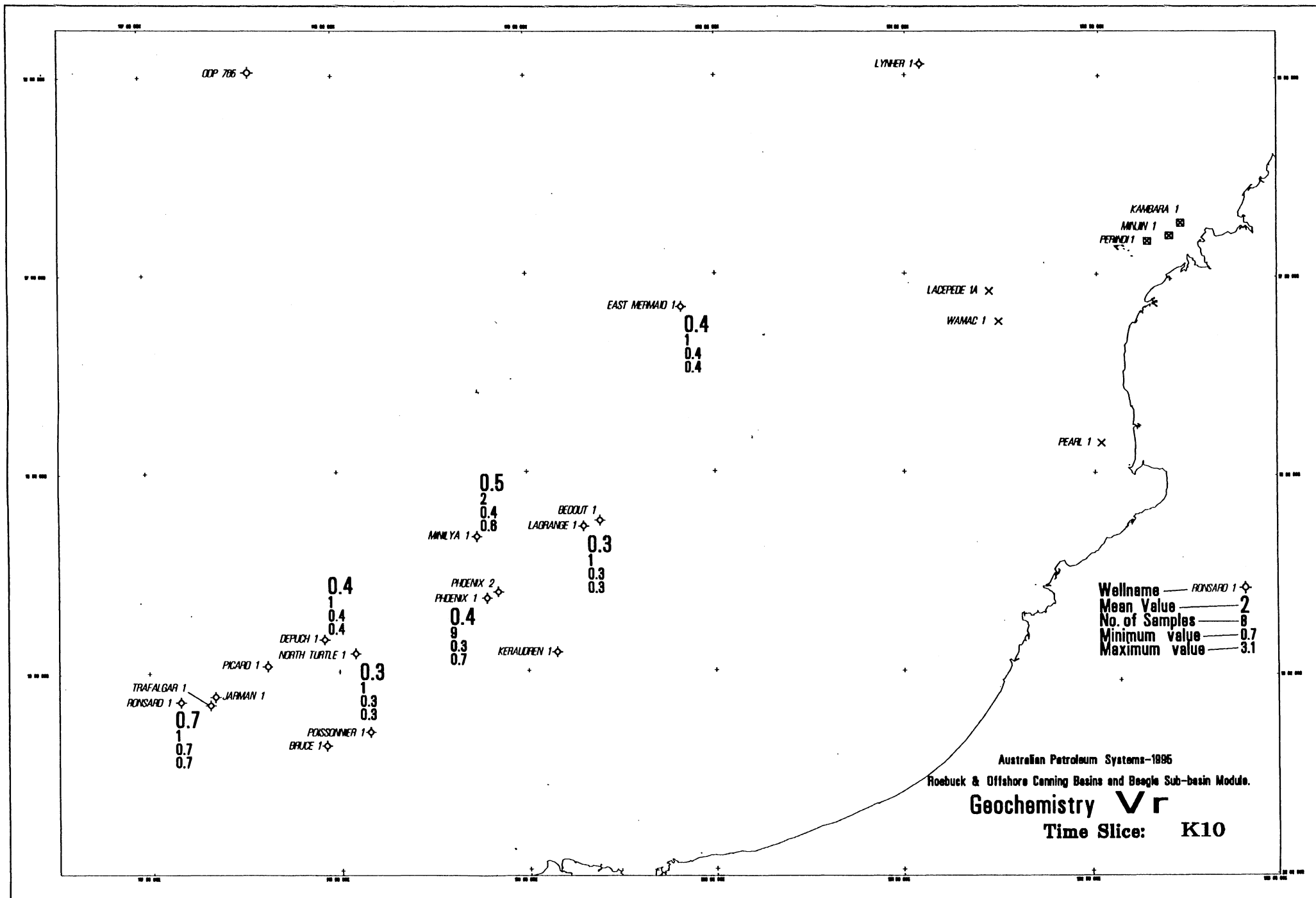


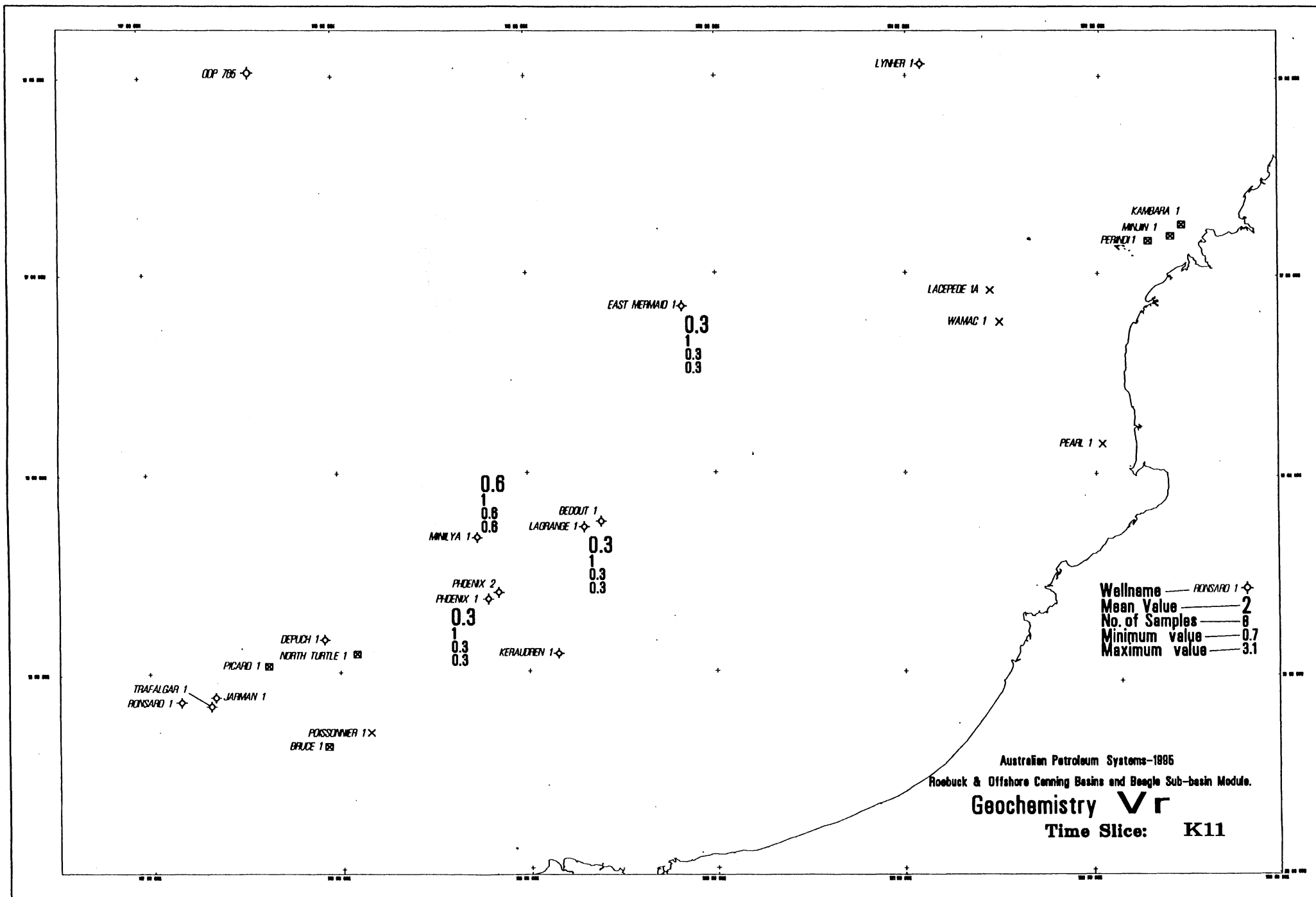


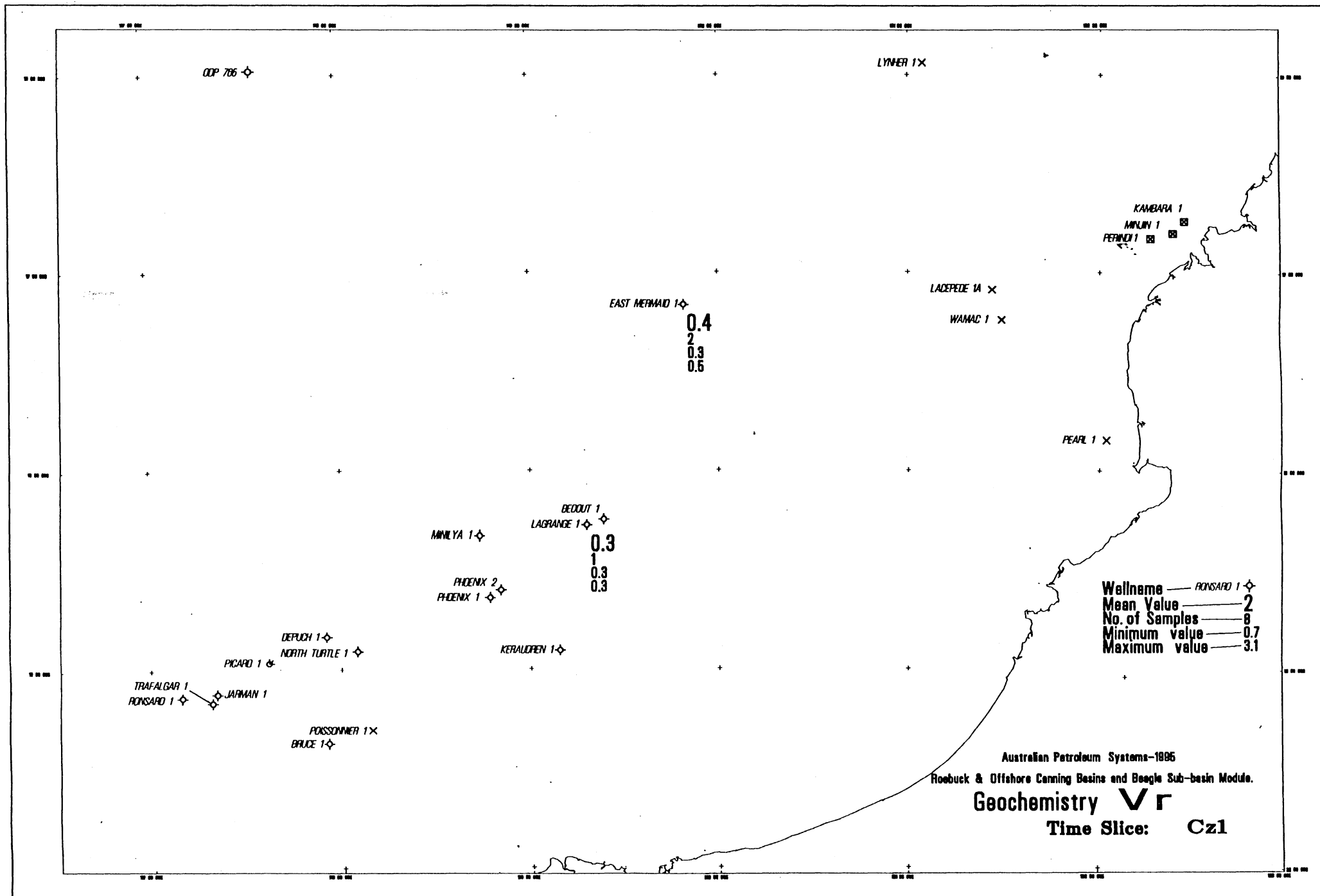








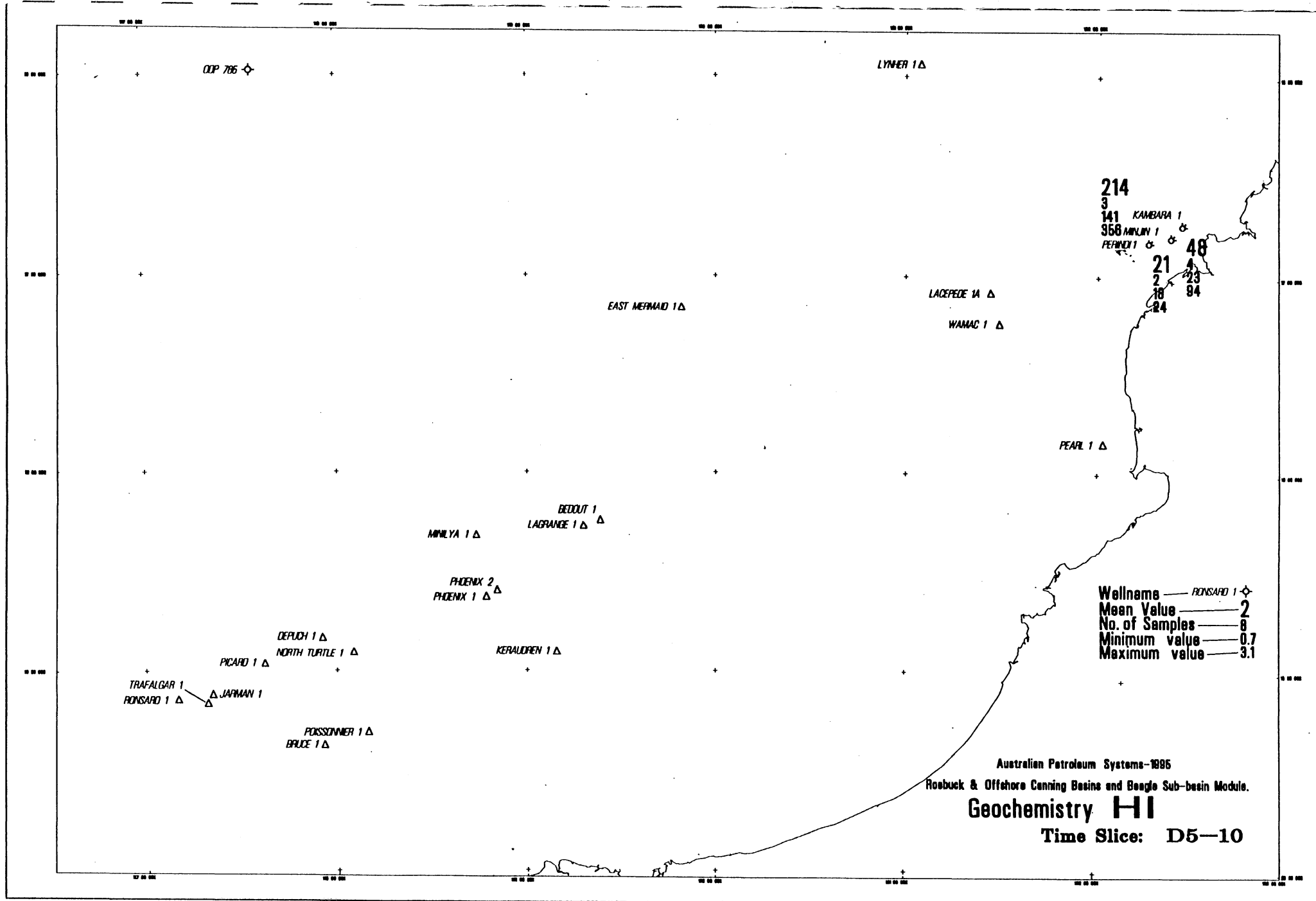


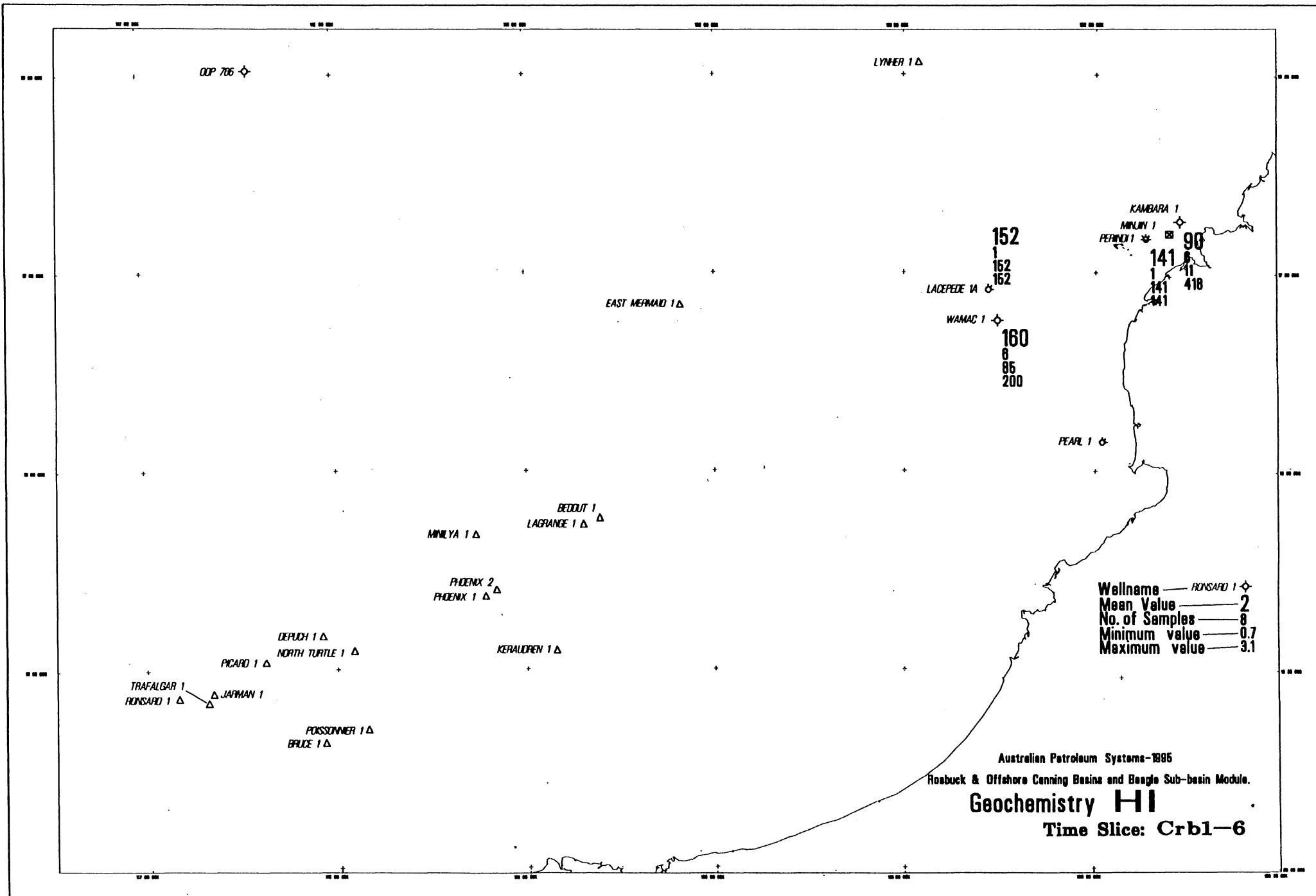


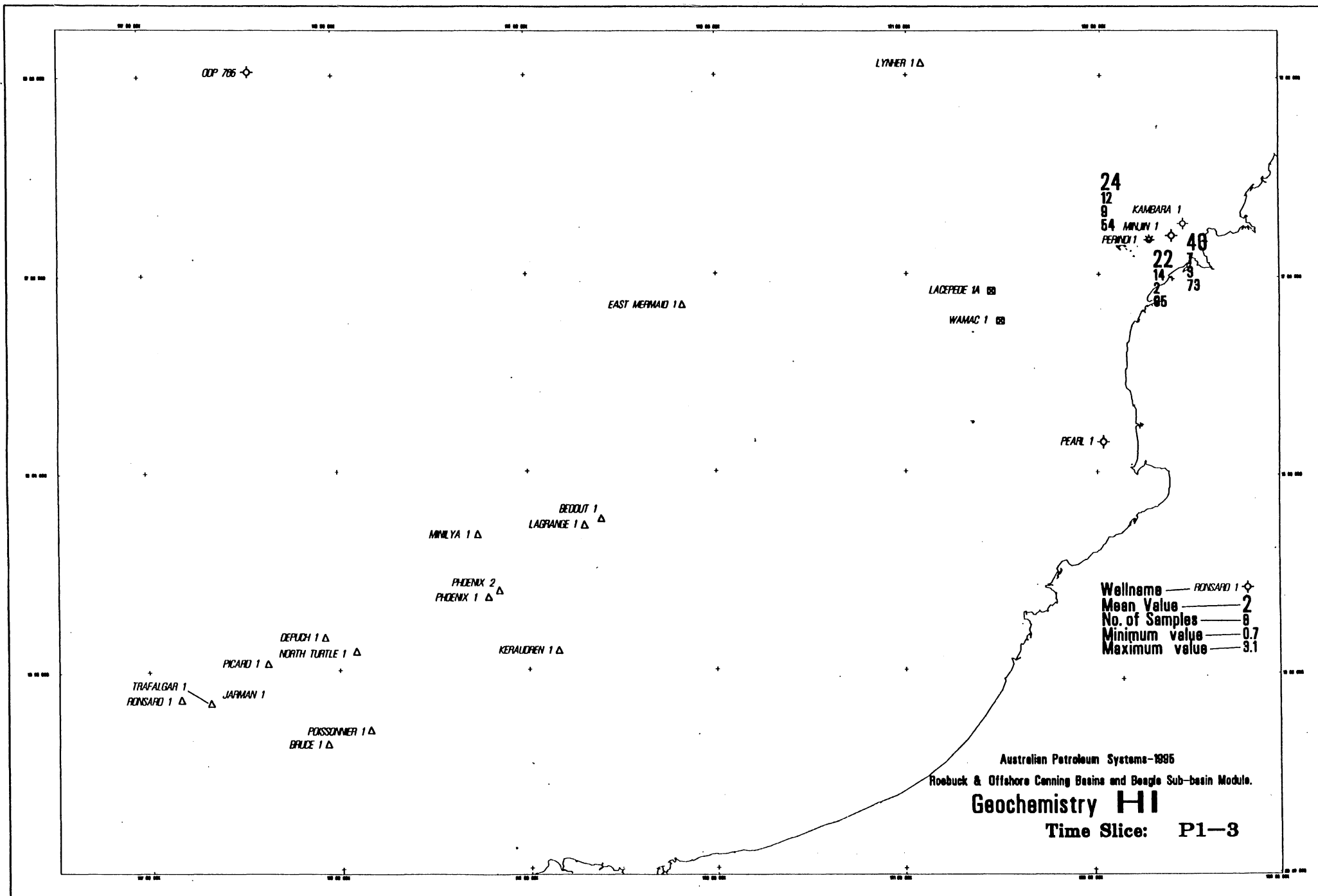
APPENDIX 5

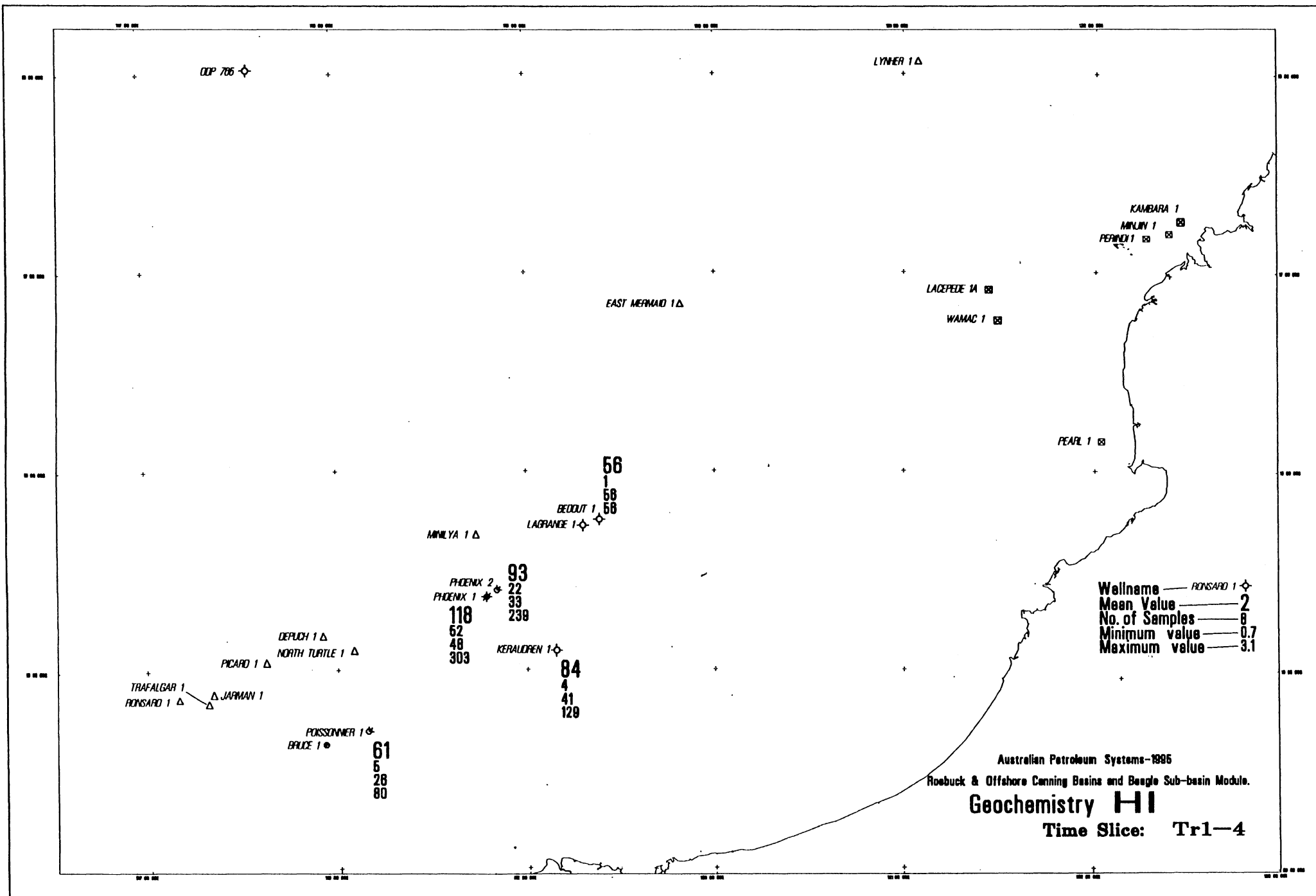
GEOCHEMISTRY DATABASE SUMMARY

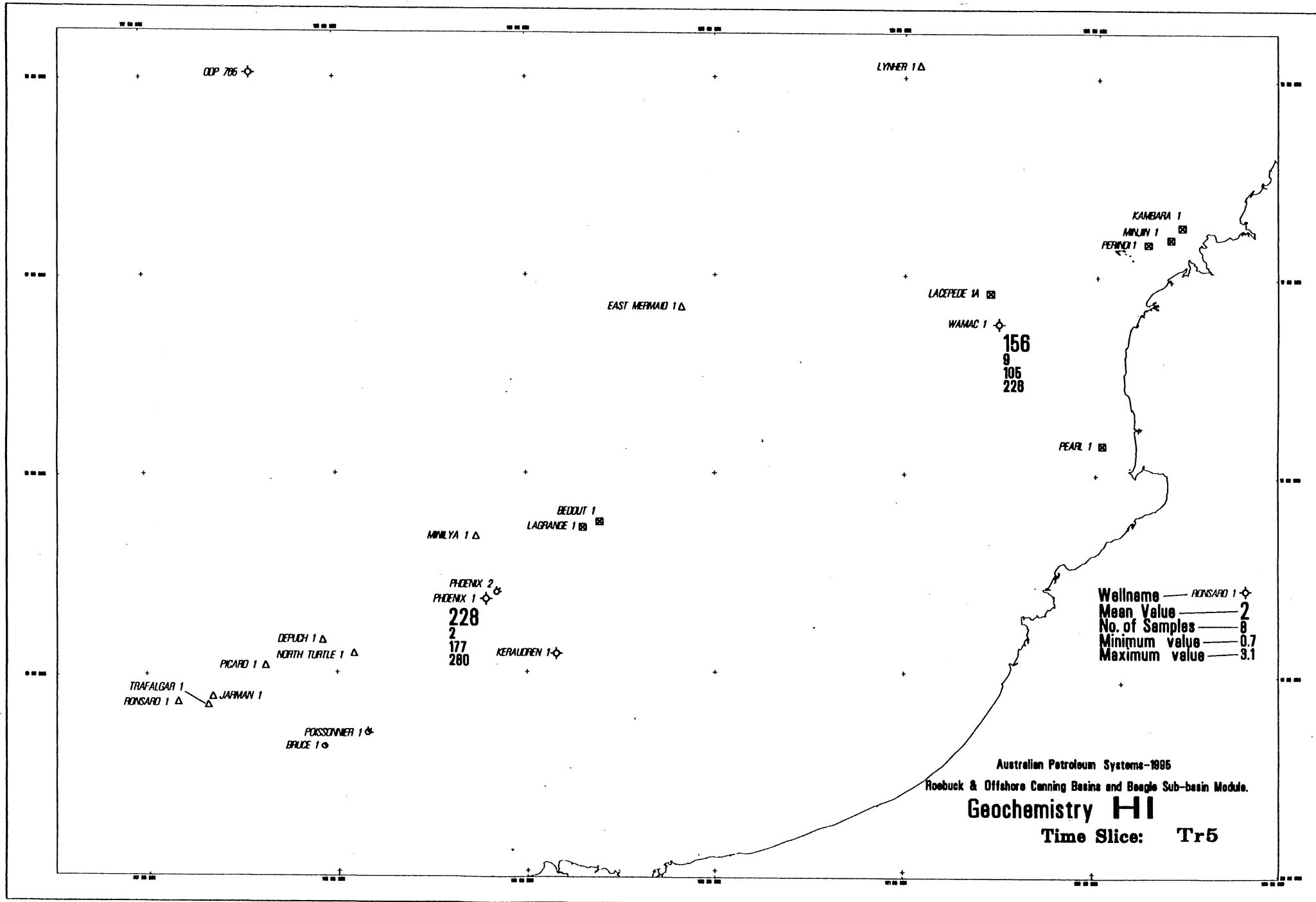
PART 1 - HYDROGEN INDEX DATA MAPS

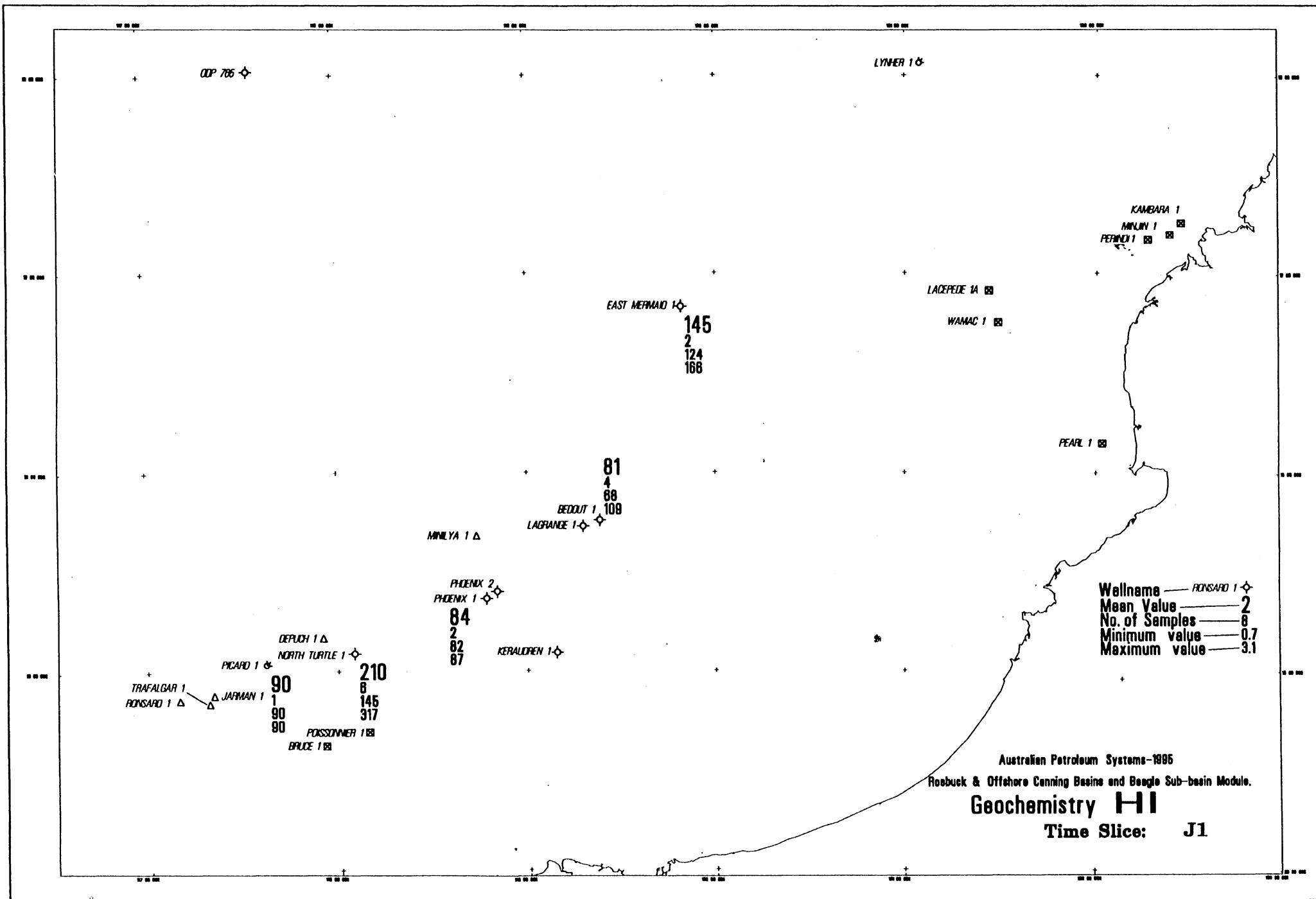


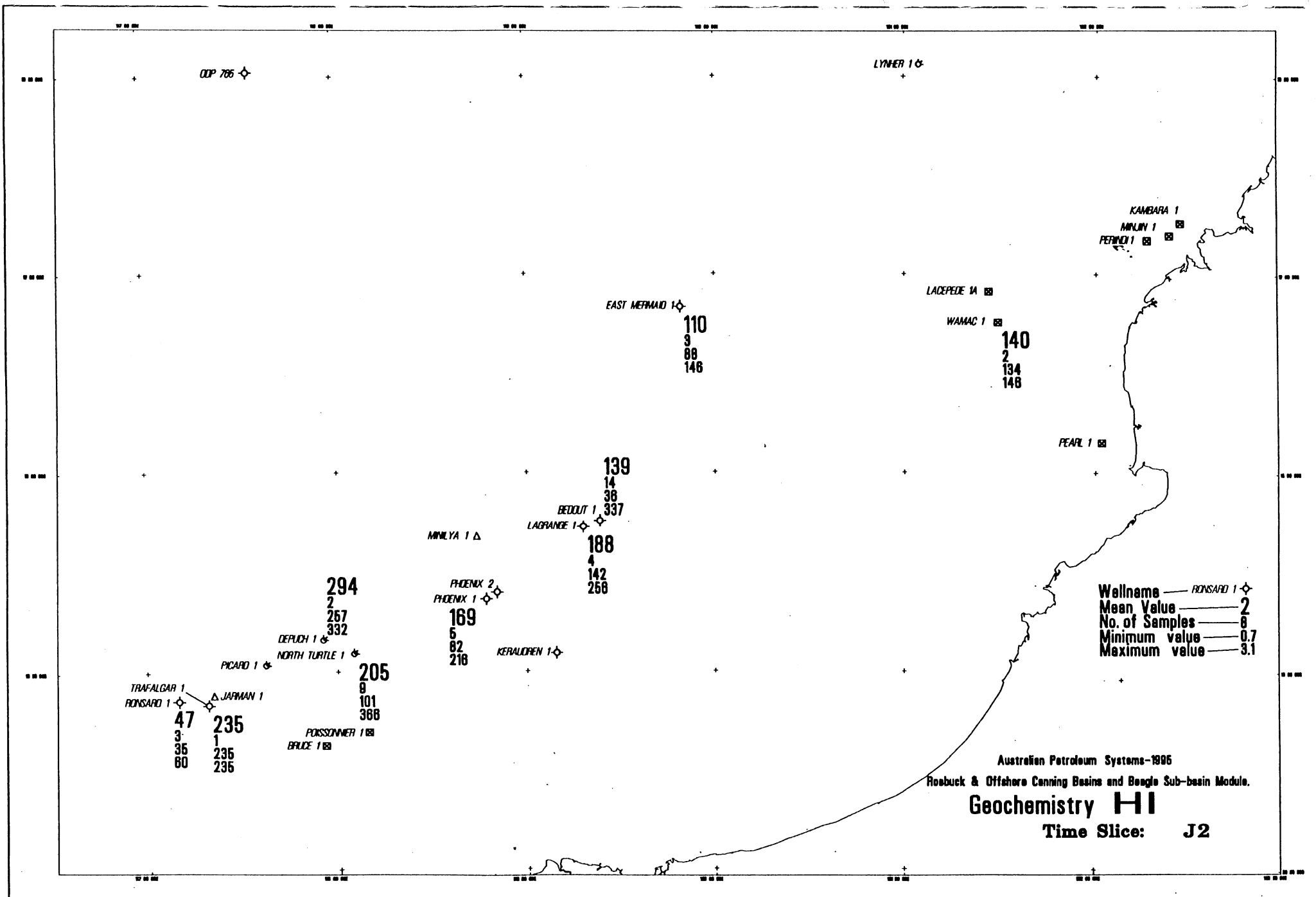




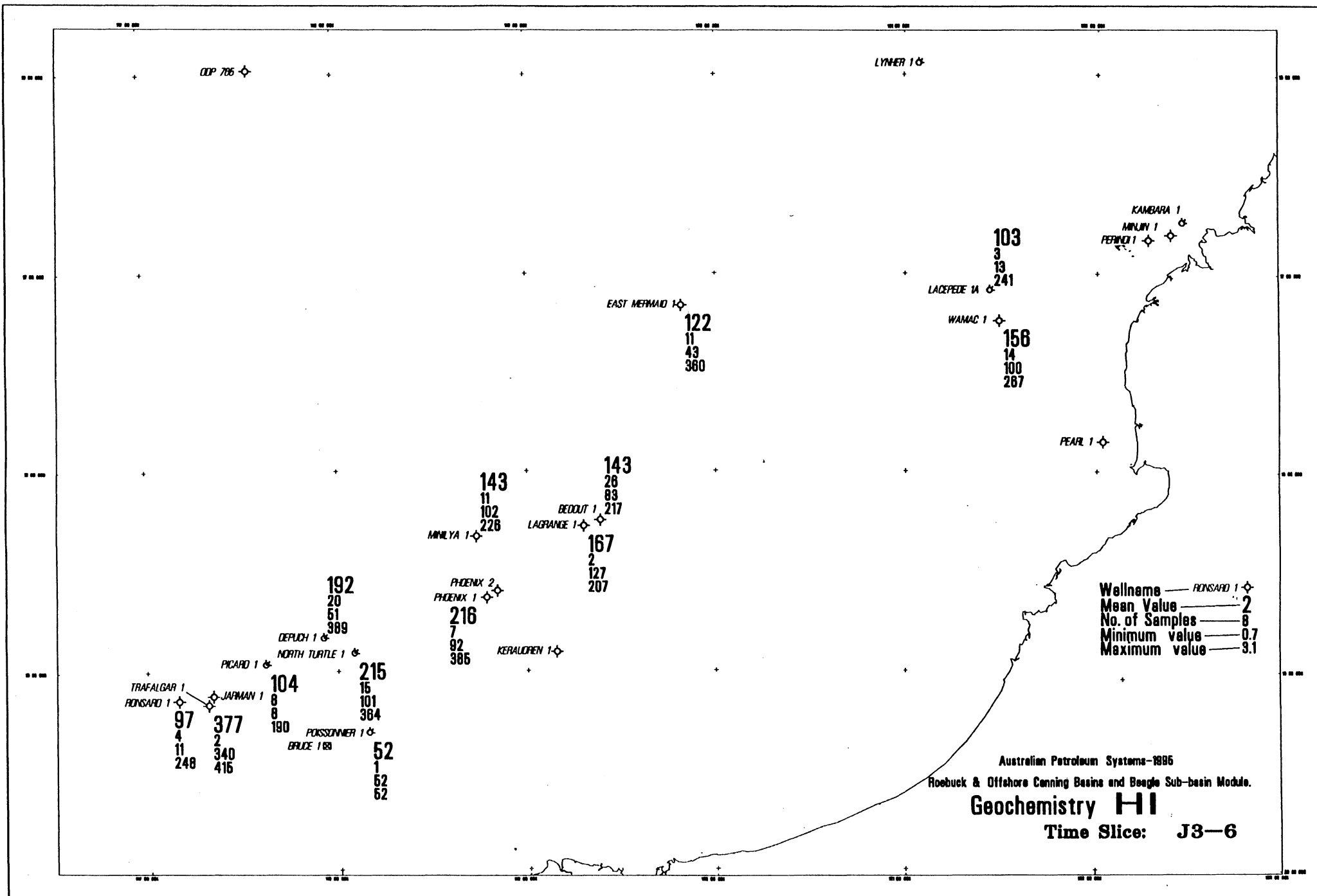


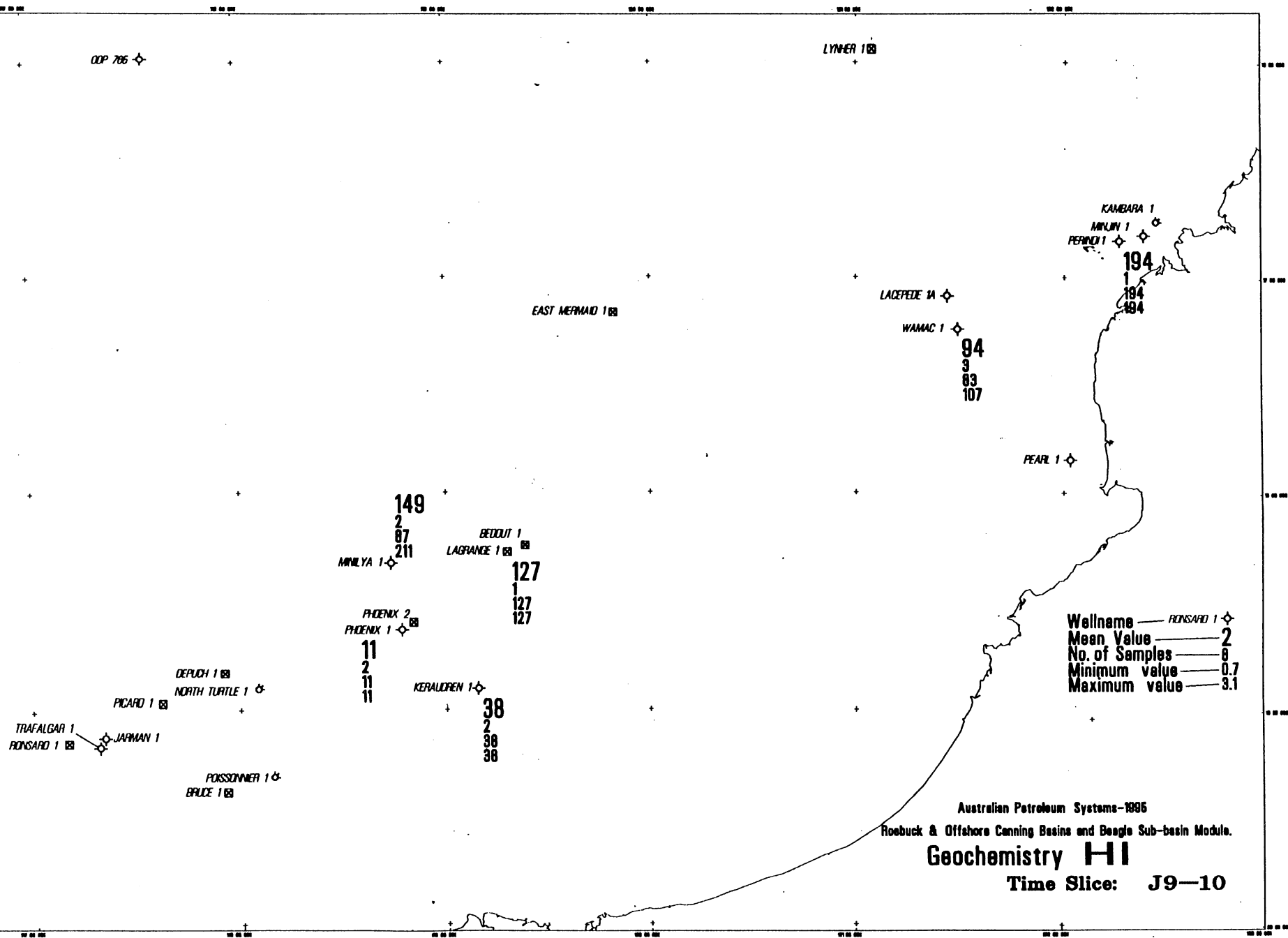




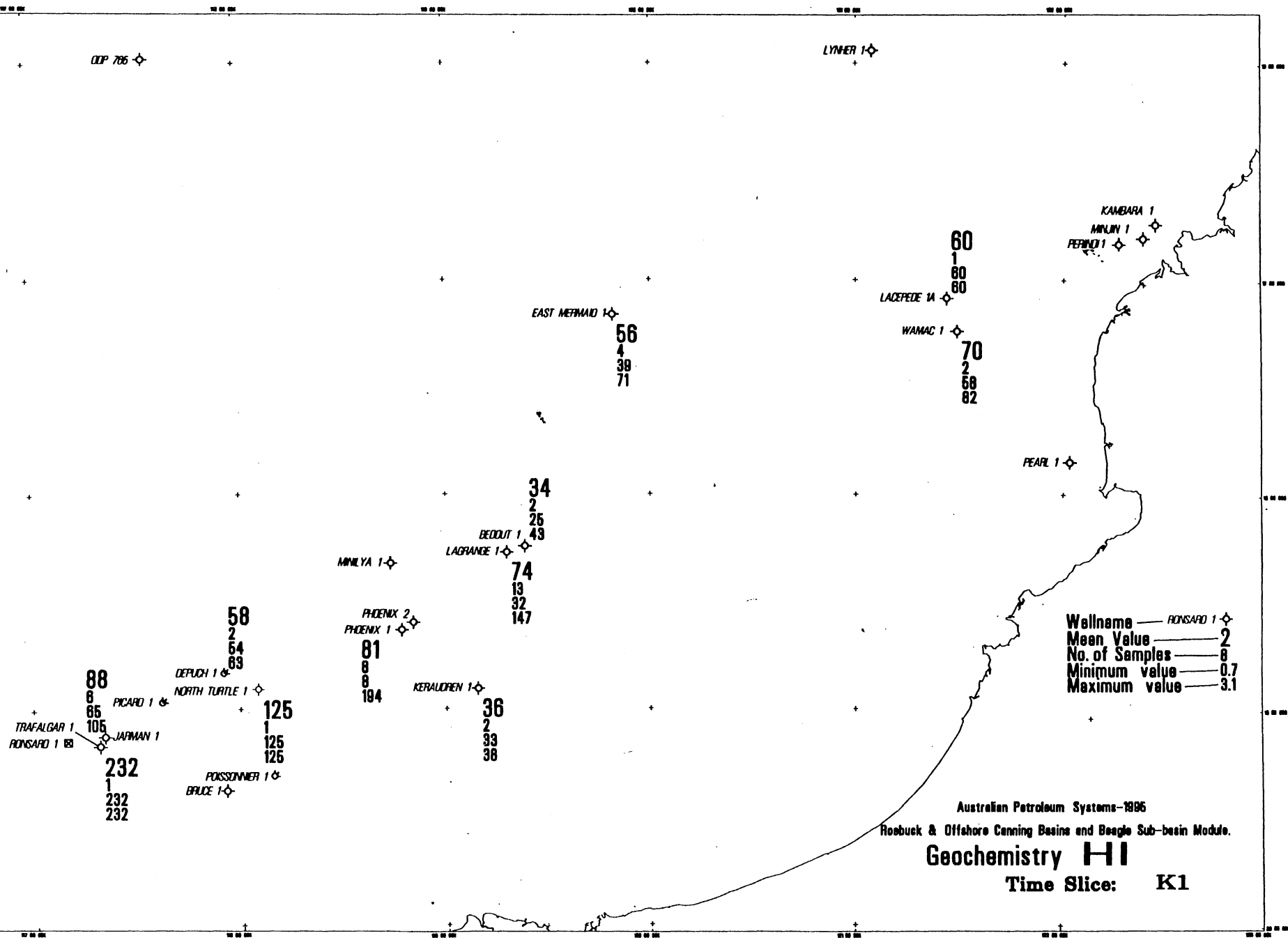


Australian Petroleum Systems-1996
 Rosbeek & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry H1
 Time Slice: J2



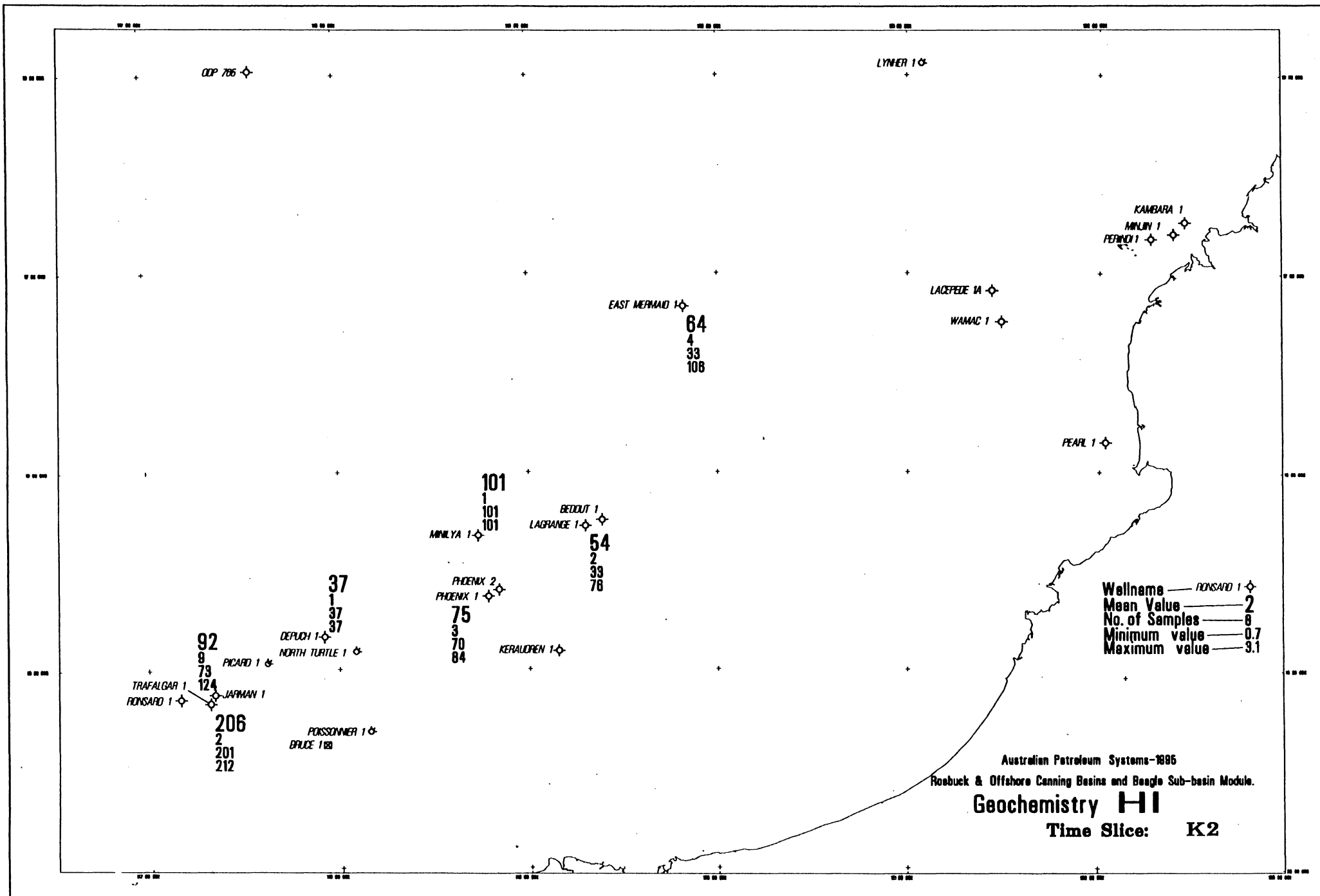


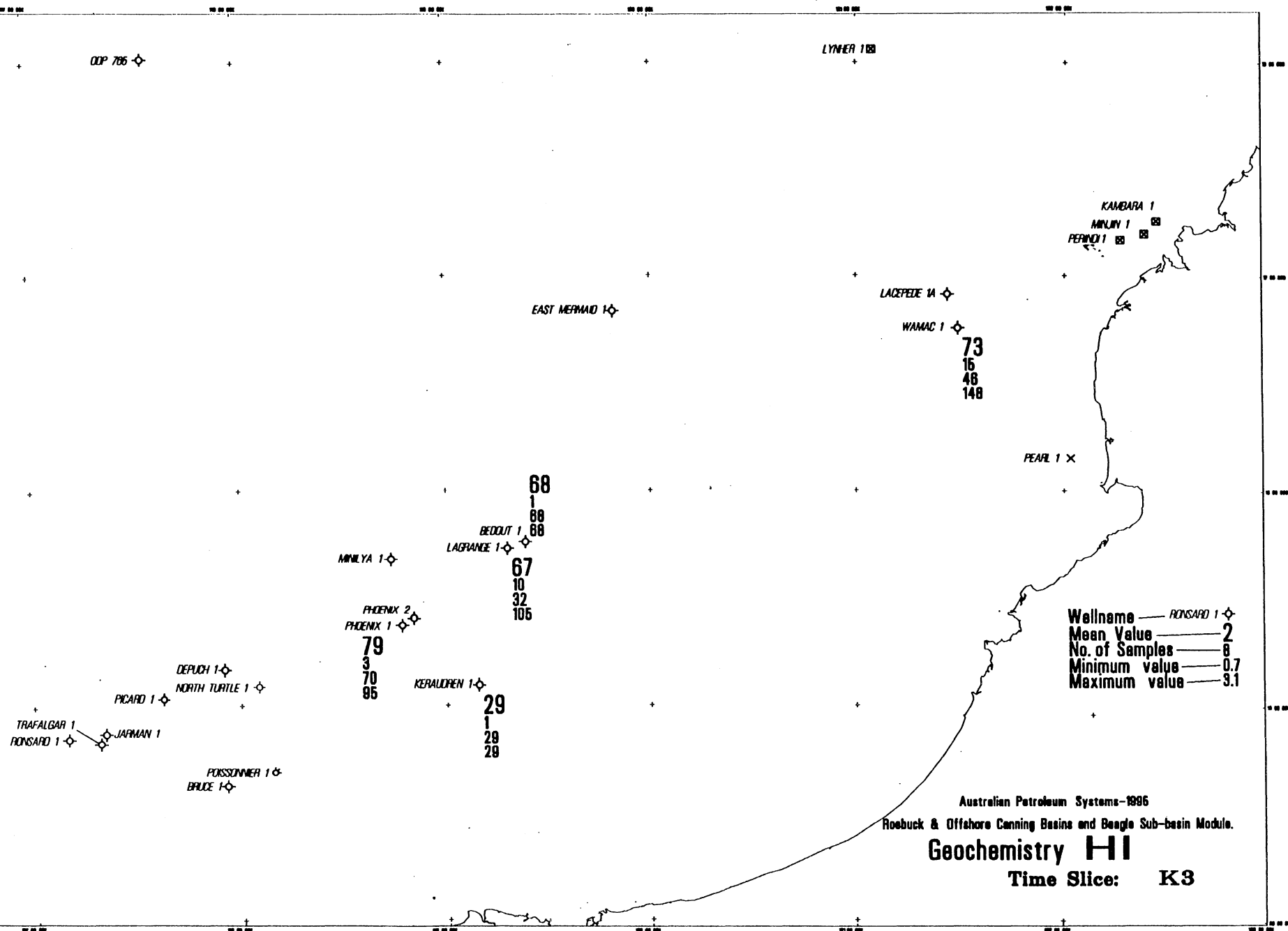
Australian Petroleum Systems-1996
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry HI
 Time Slice: J9-10



Wellname — RONSARD 1
 Mean Value — 2
 No. of Samples — 8
 Minimum value — 0.7
 Maximum value — 3.1

Australian Petroleum Systems-1986
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry H1
 Time Slice: K1

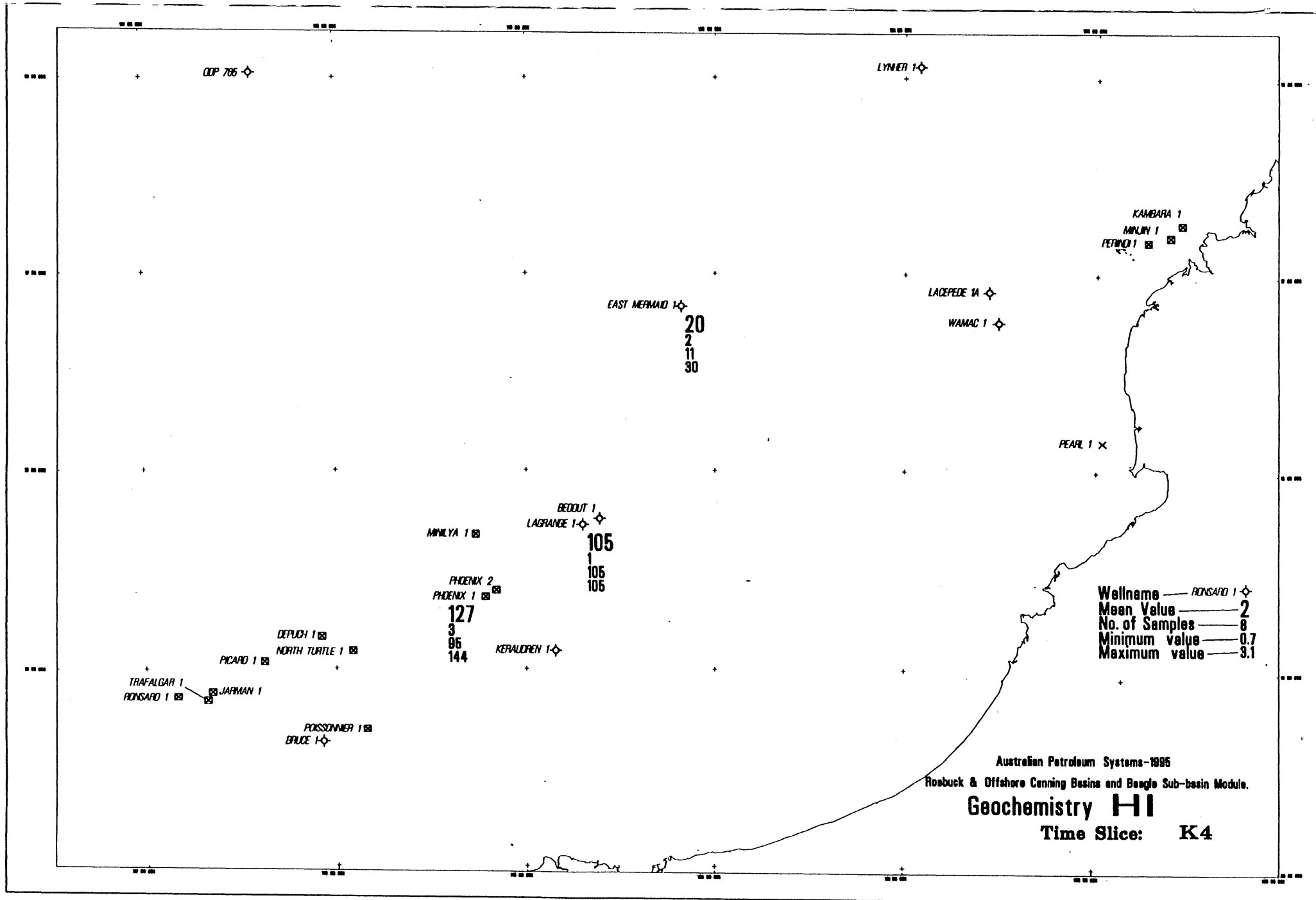


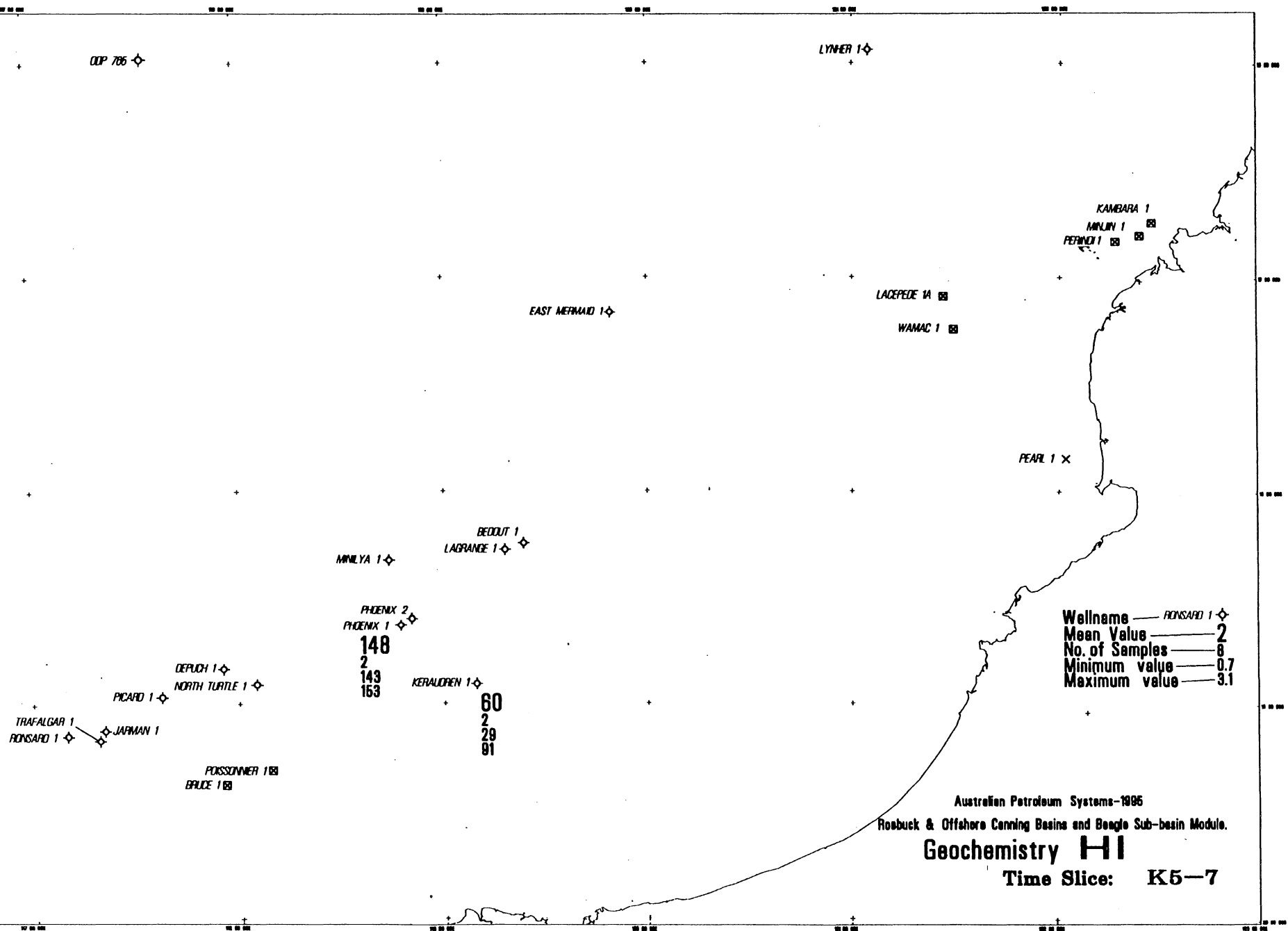


Australian Petroleum Systems-1996
Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.

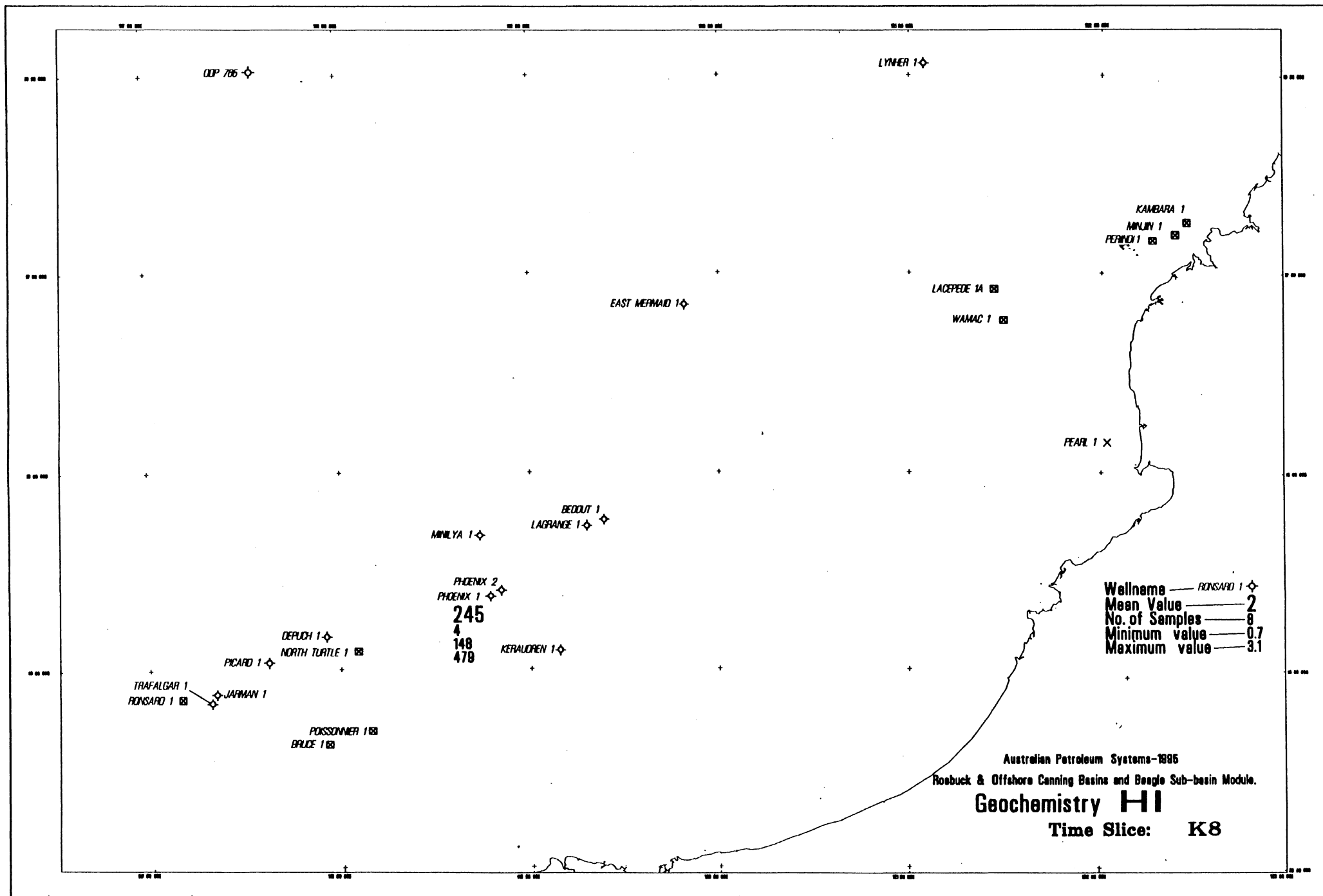
Geochemistry H1

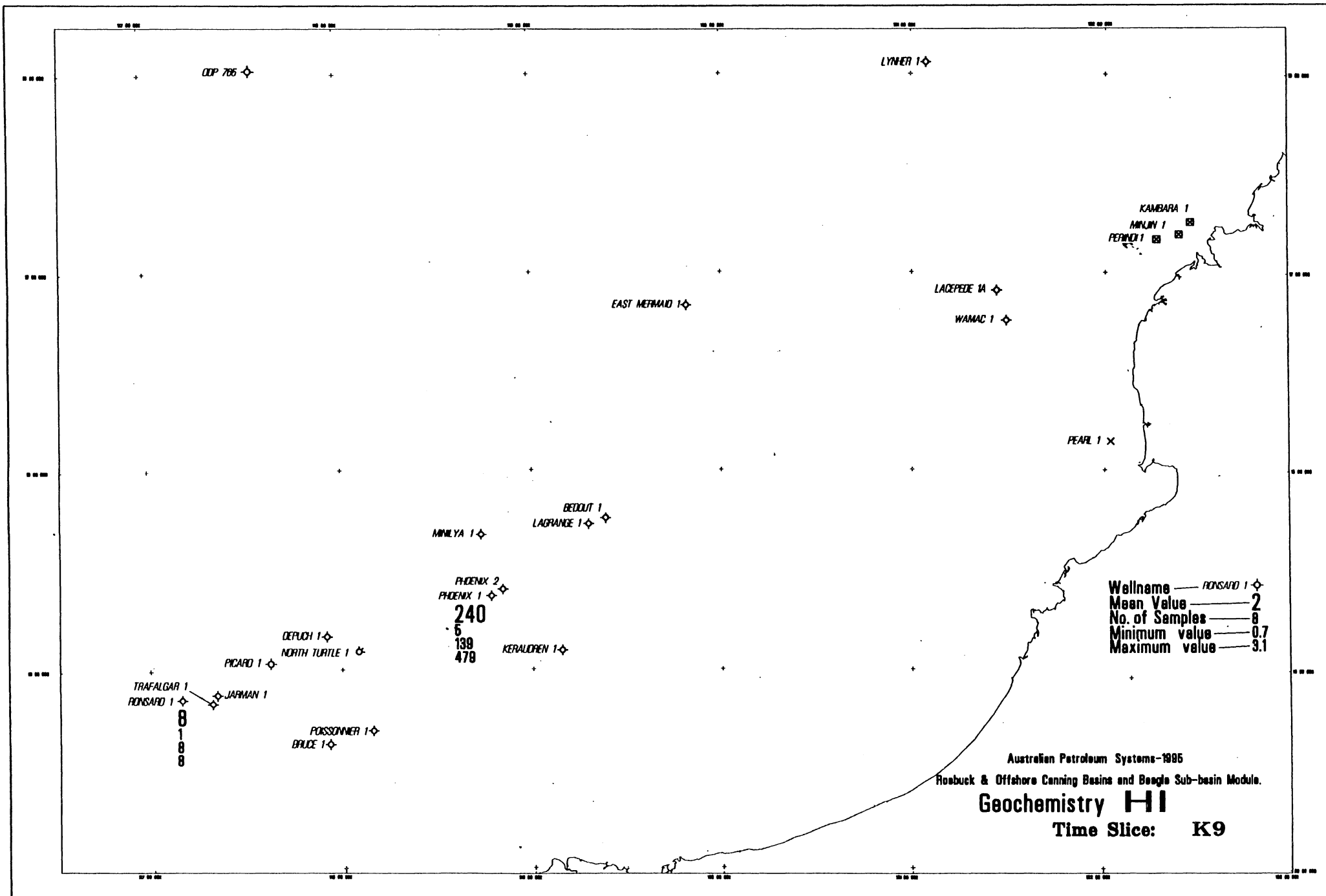
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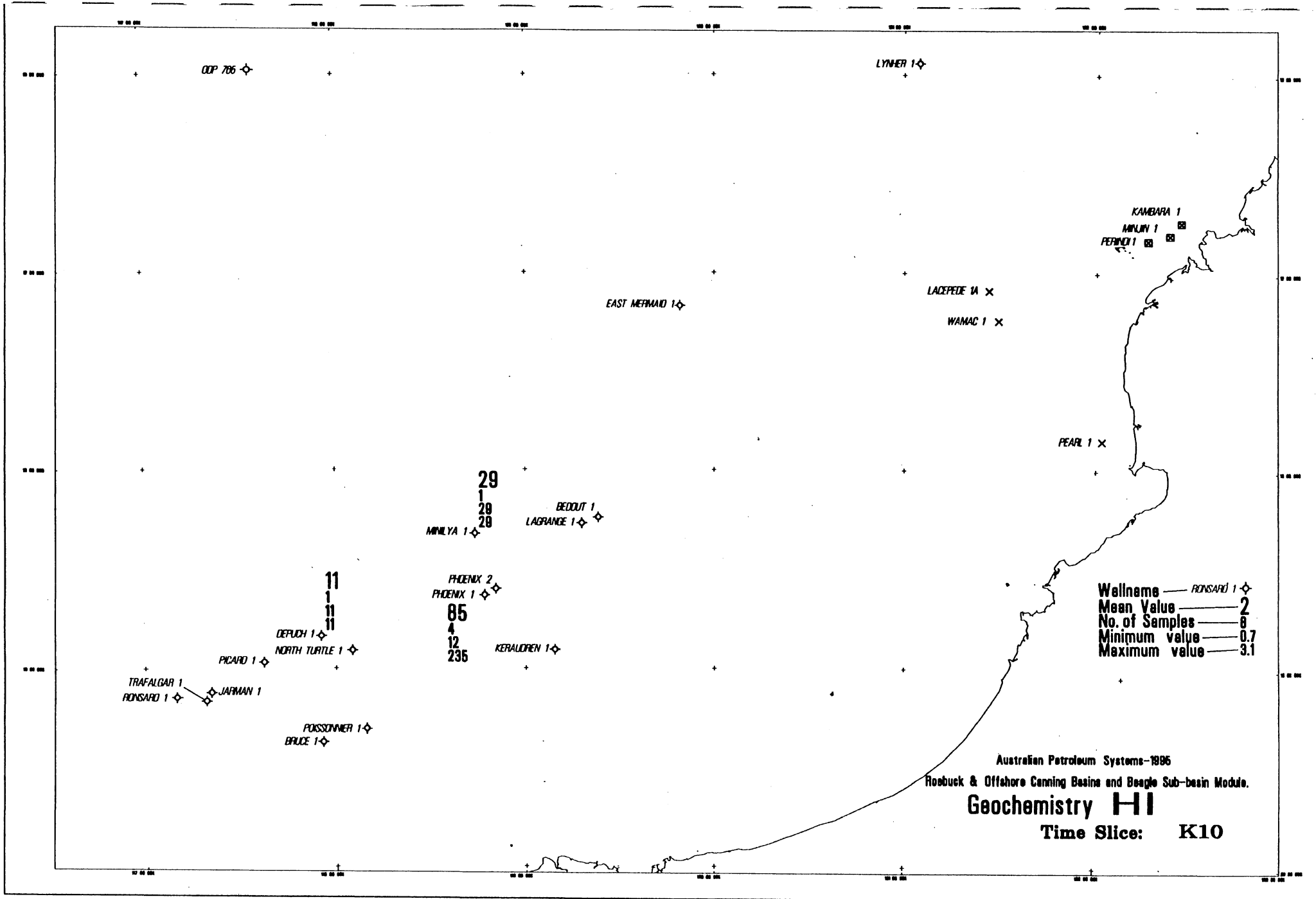


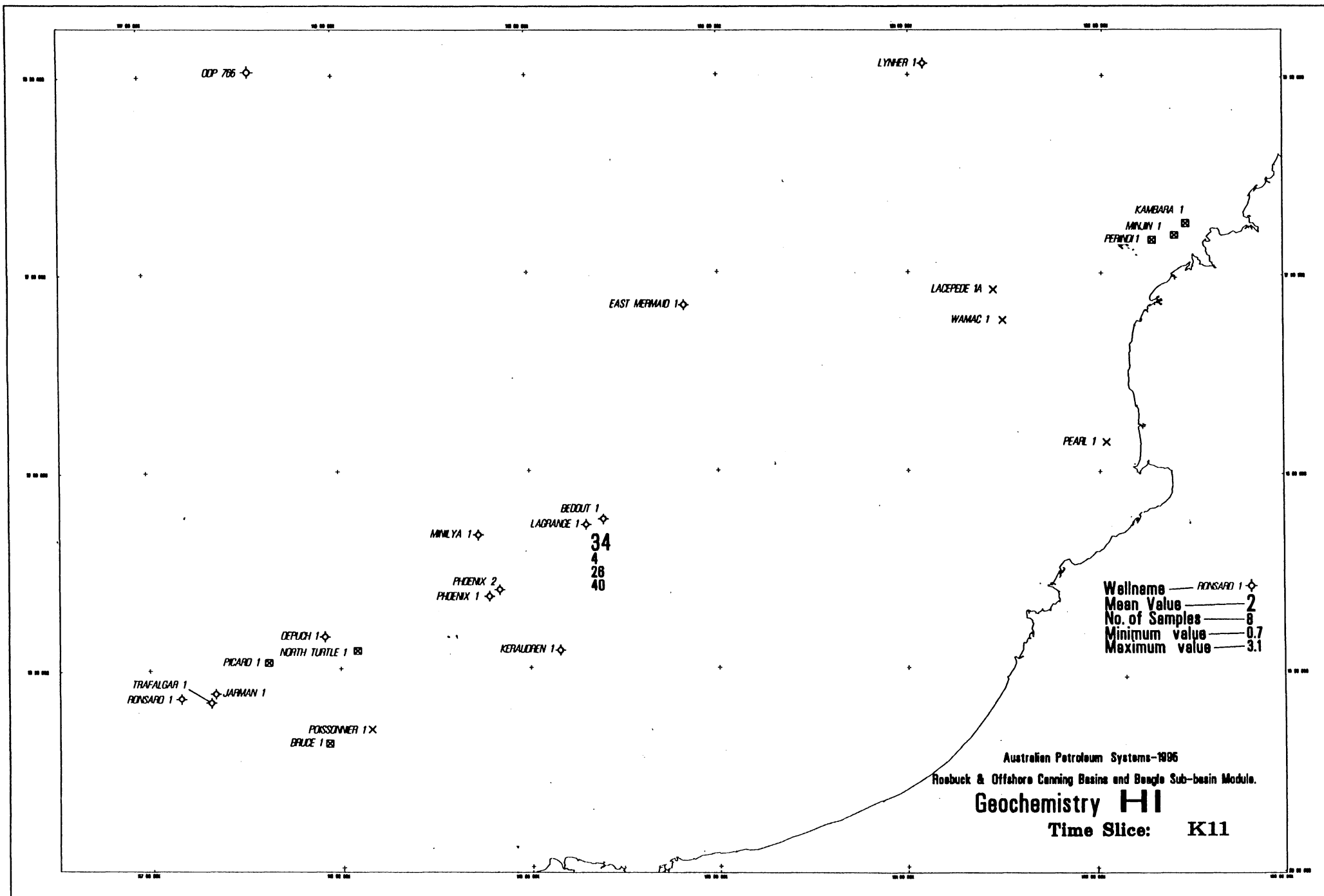


Australian Petroleum Systems-1986
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry HI
 Time Slice: K5-7





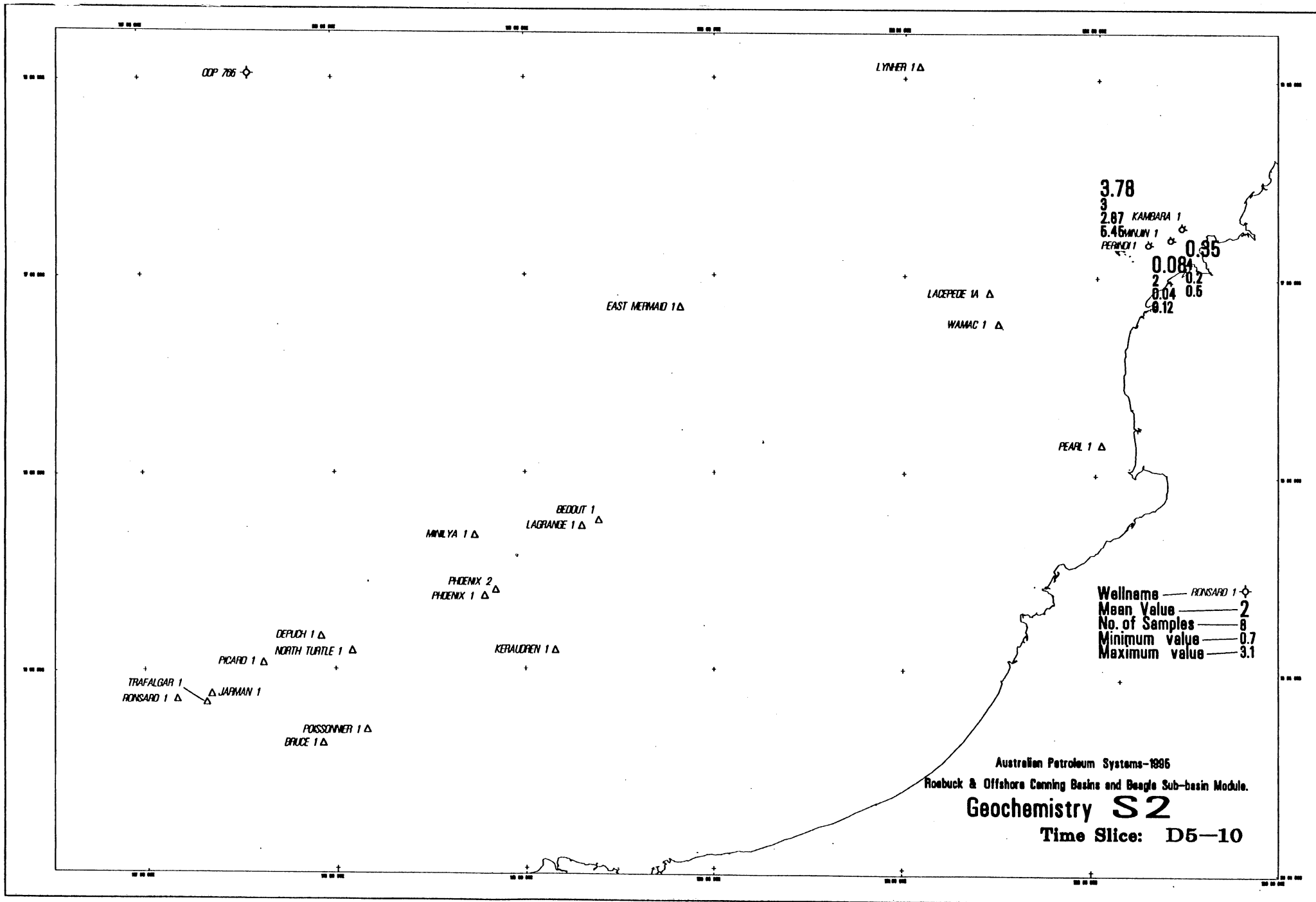


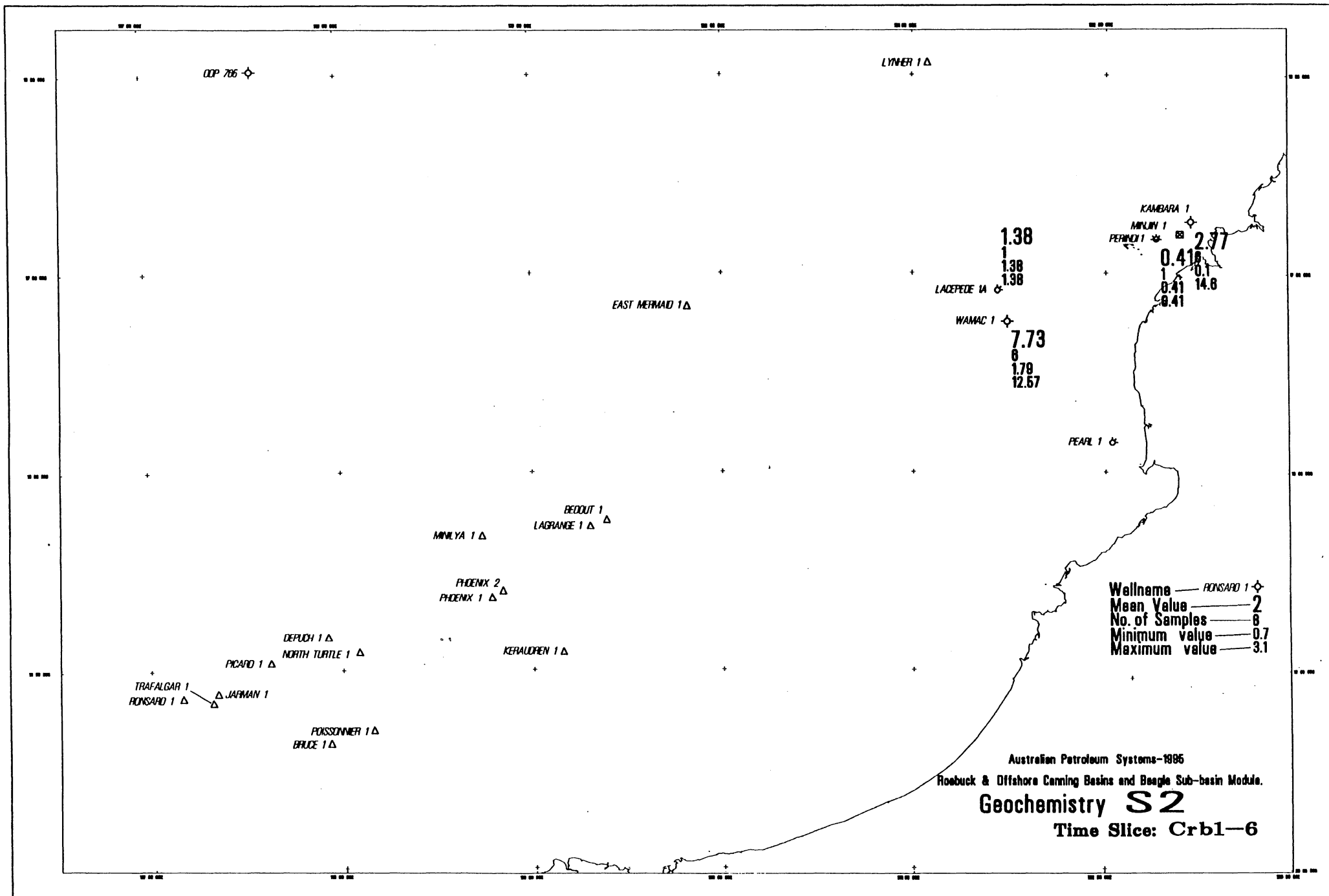


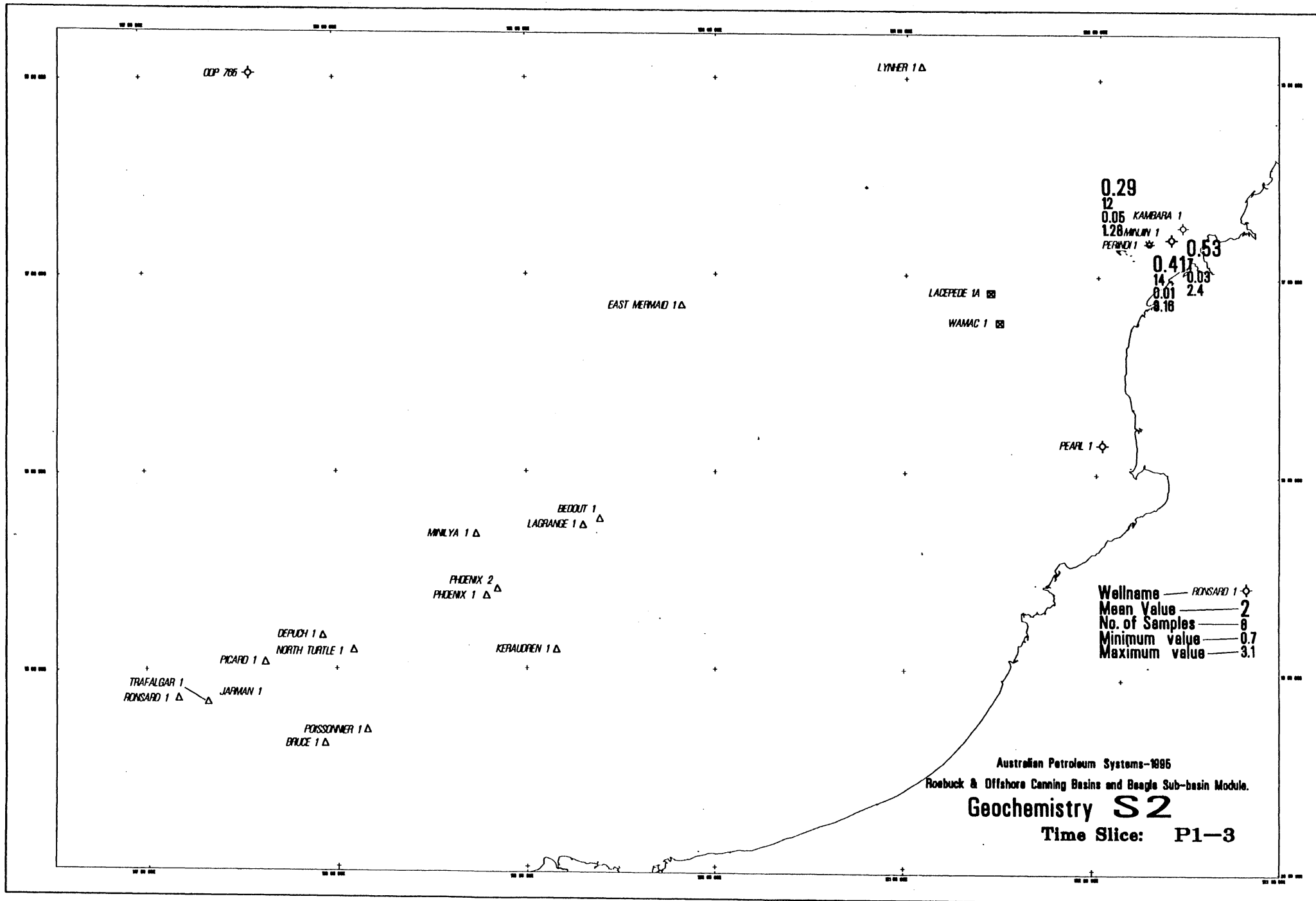
APPENDIX 5

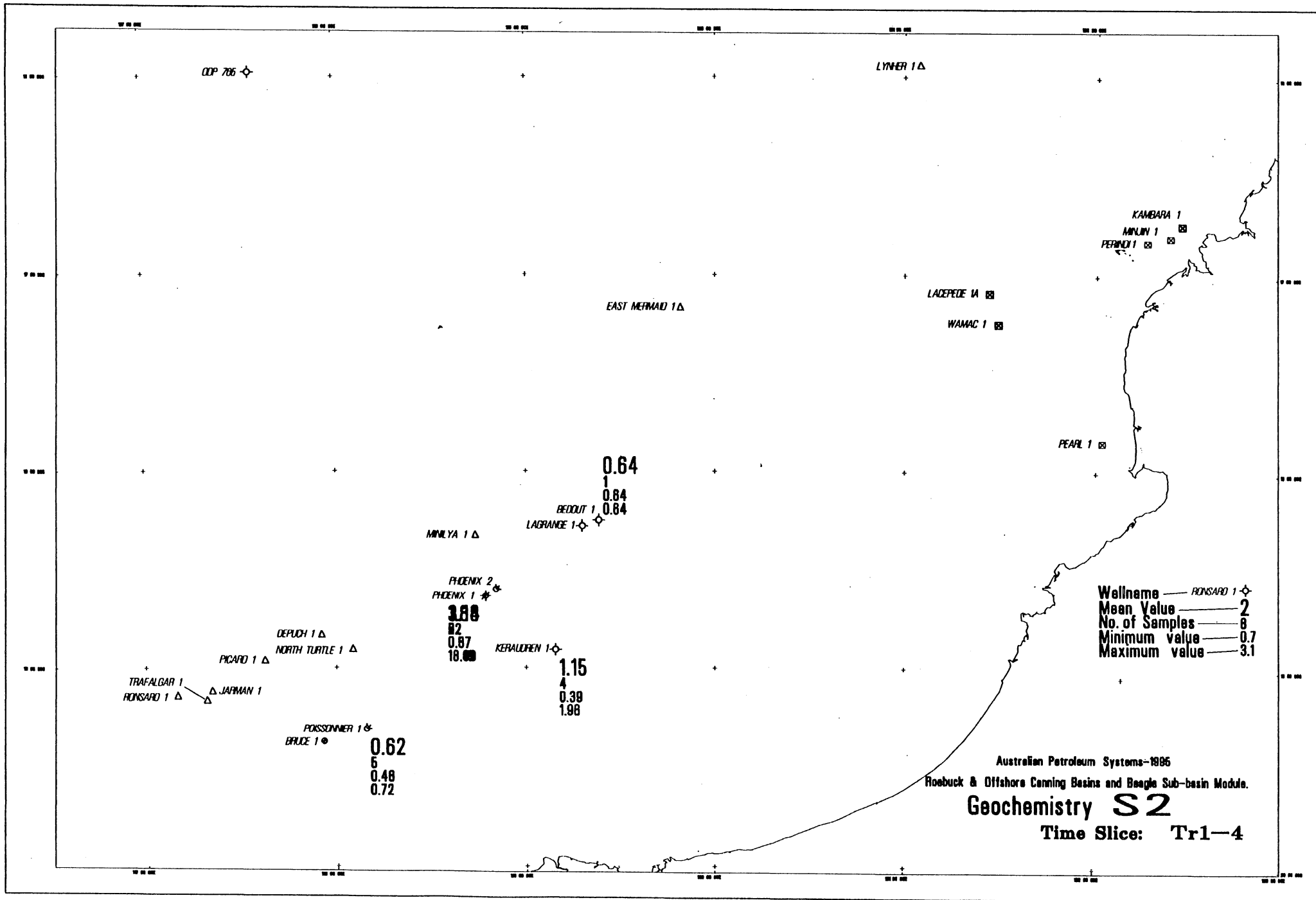
GEOCHEMISTRY DATABASE SUMMARY

PART 1- S2 MAPS(Potential Generation-Kilograms Hydrocarbon/Tonne)



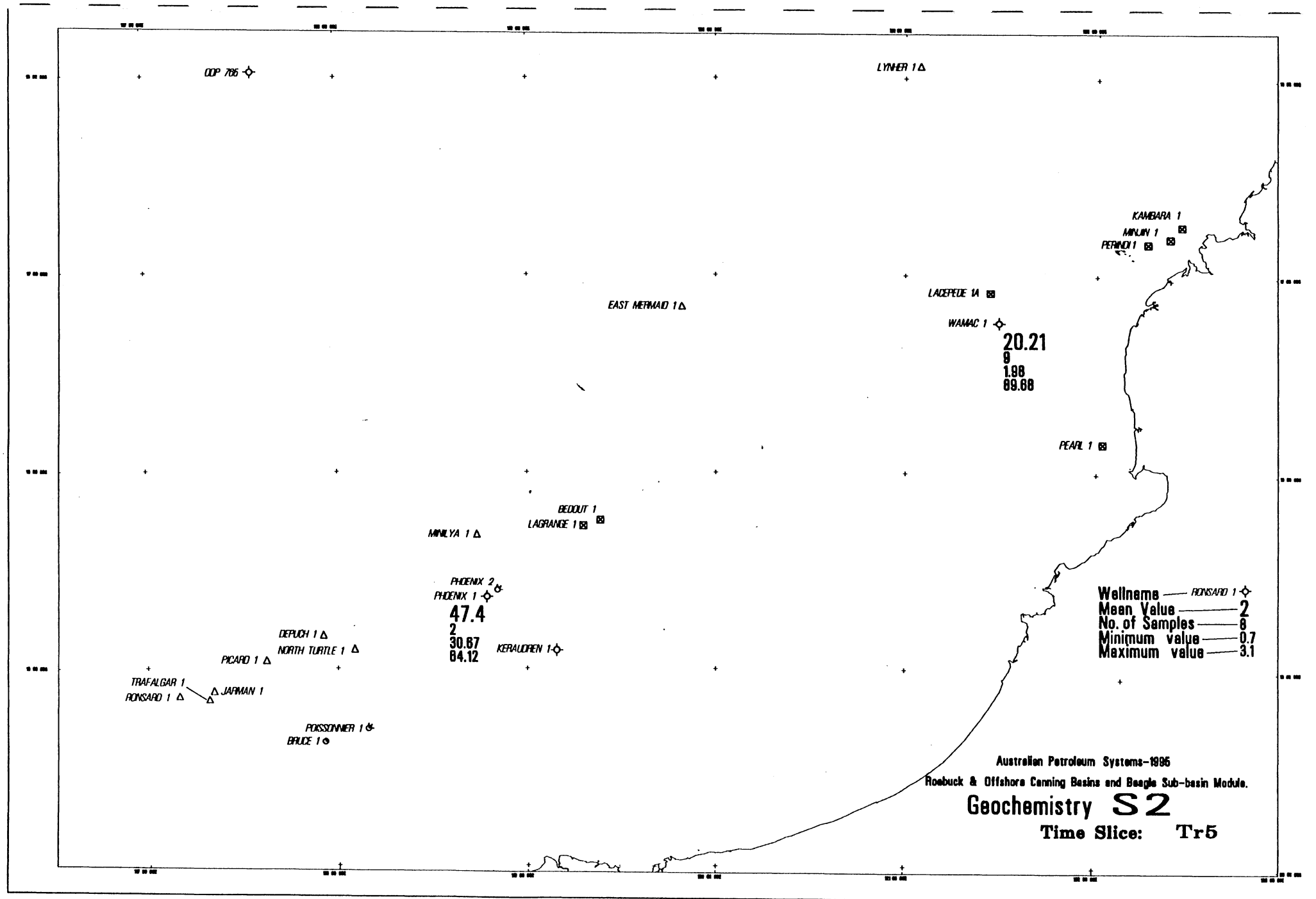


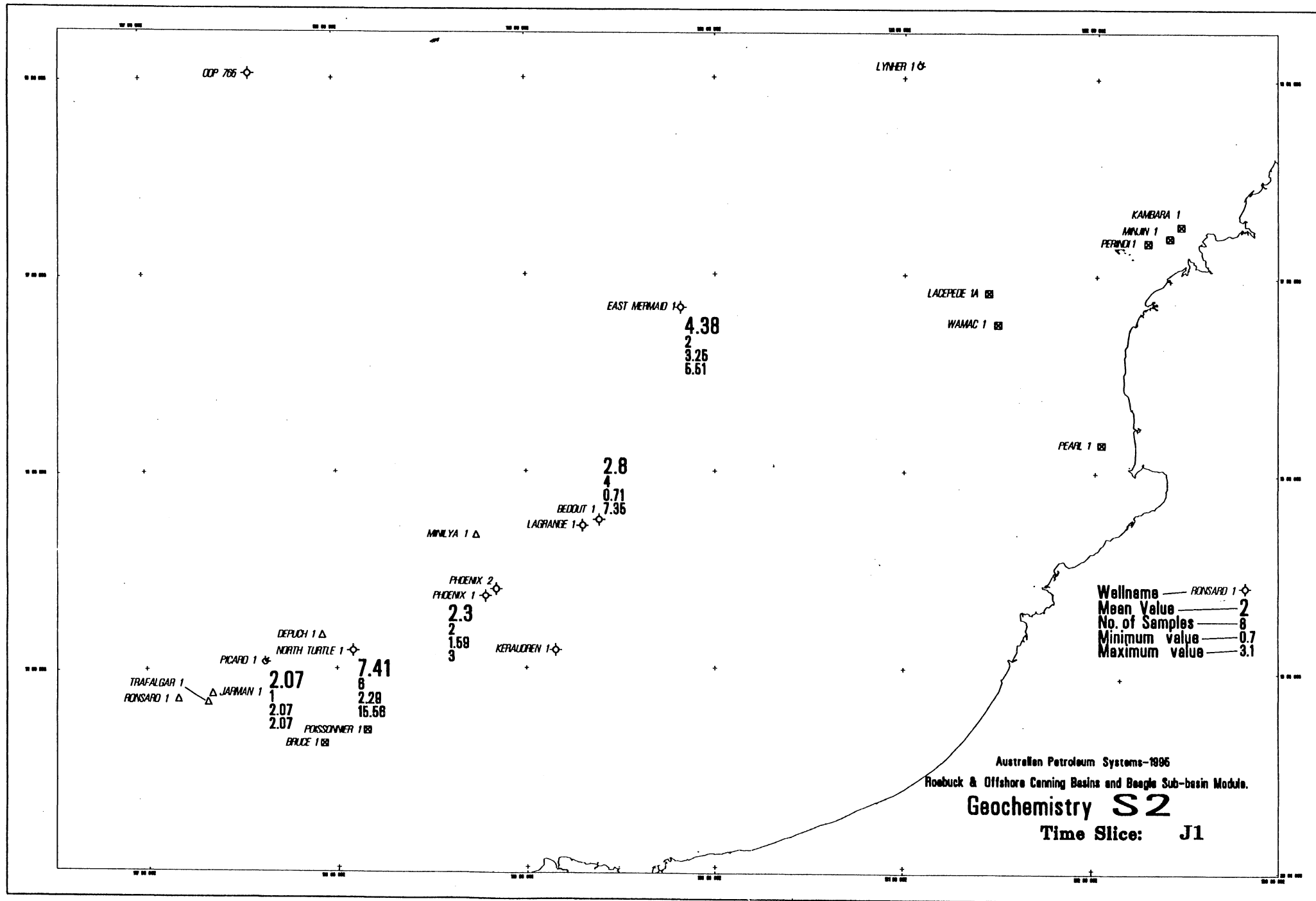


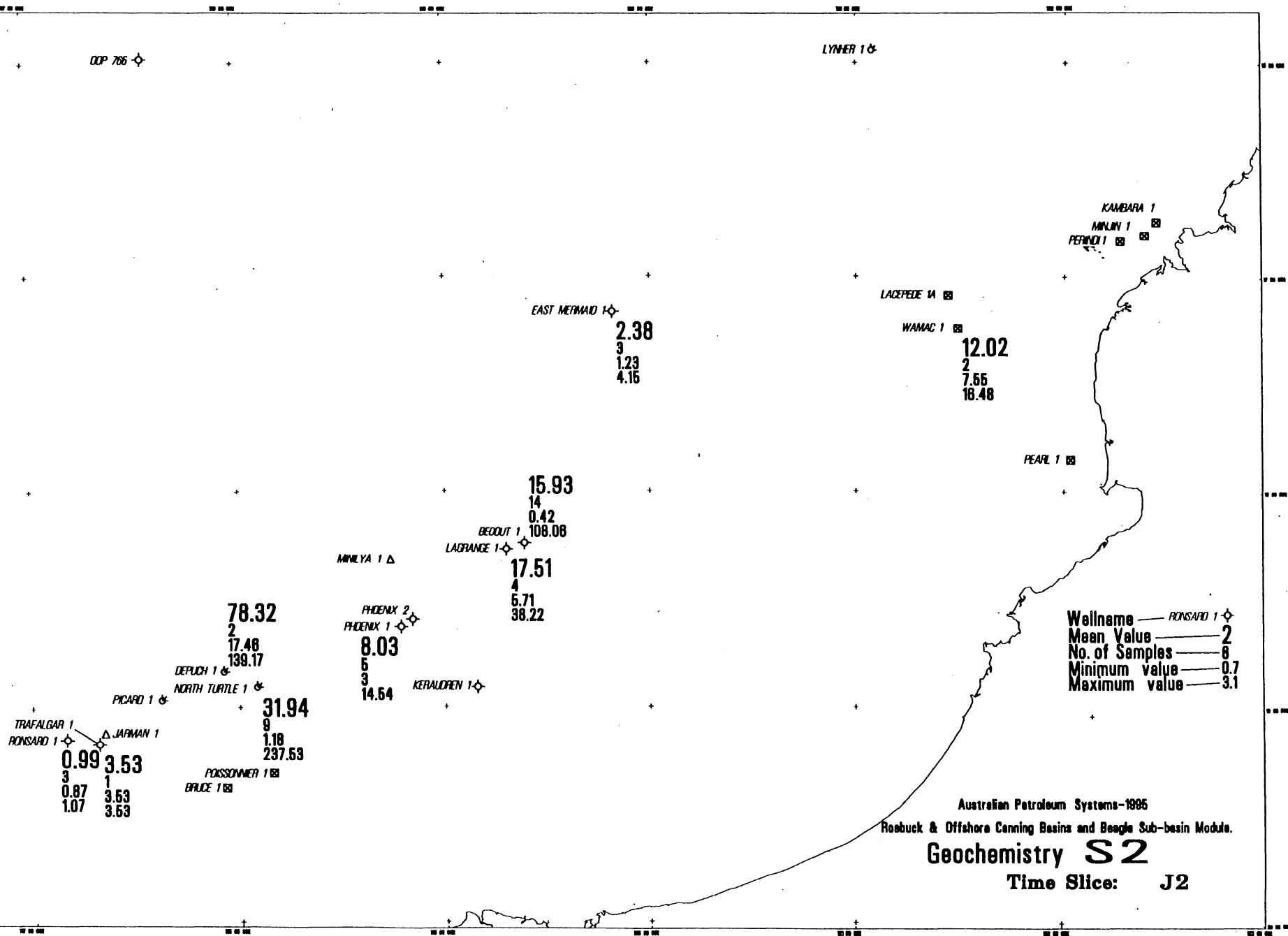


Well Name — ROKSARD 1
Mean Value — 2
No. of Samples — 8
Minimum value — 0.7
Maximum value — 3.1

Australian Petroleum Systems-1986
Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry S2
Time Slice: Tr1-4

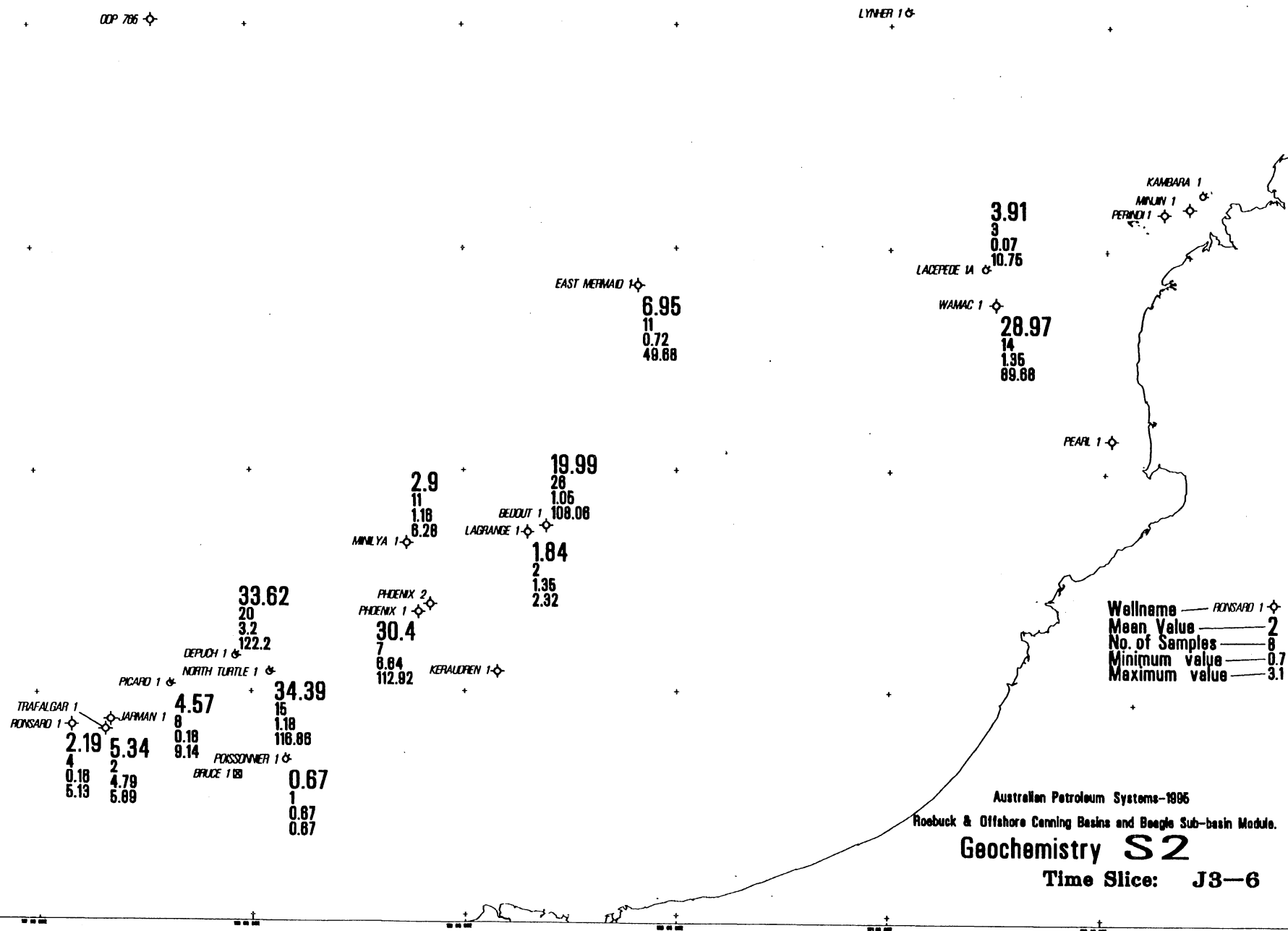






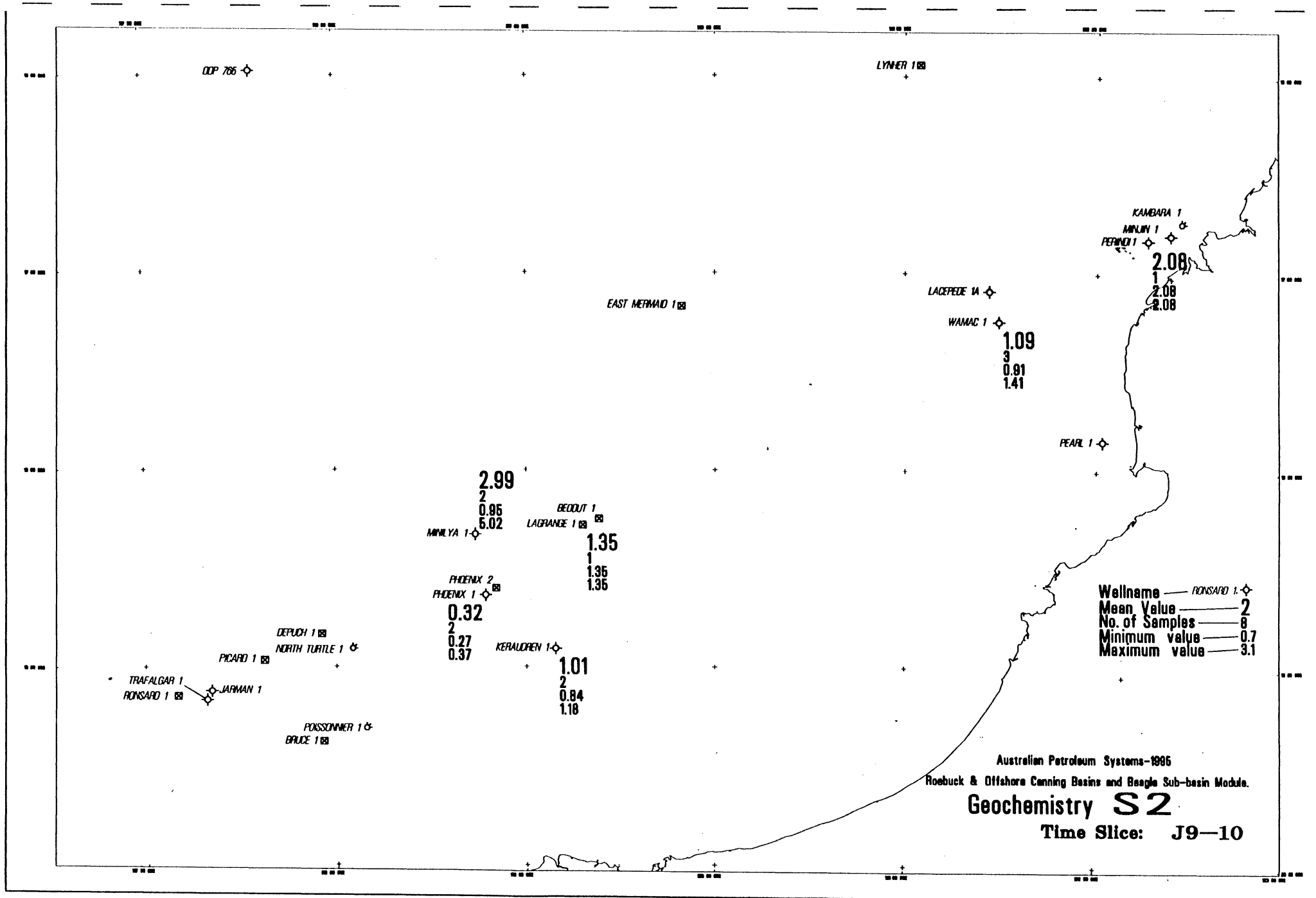
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 Mean Value — 2
 No. of Samples — 8
 Minimum value — 0.7
 Maximum value — 3.1

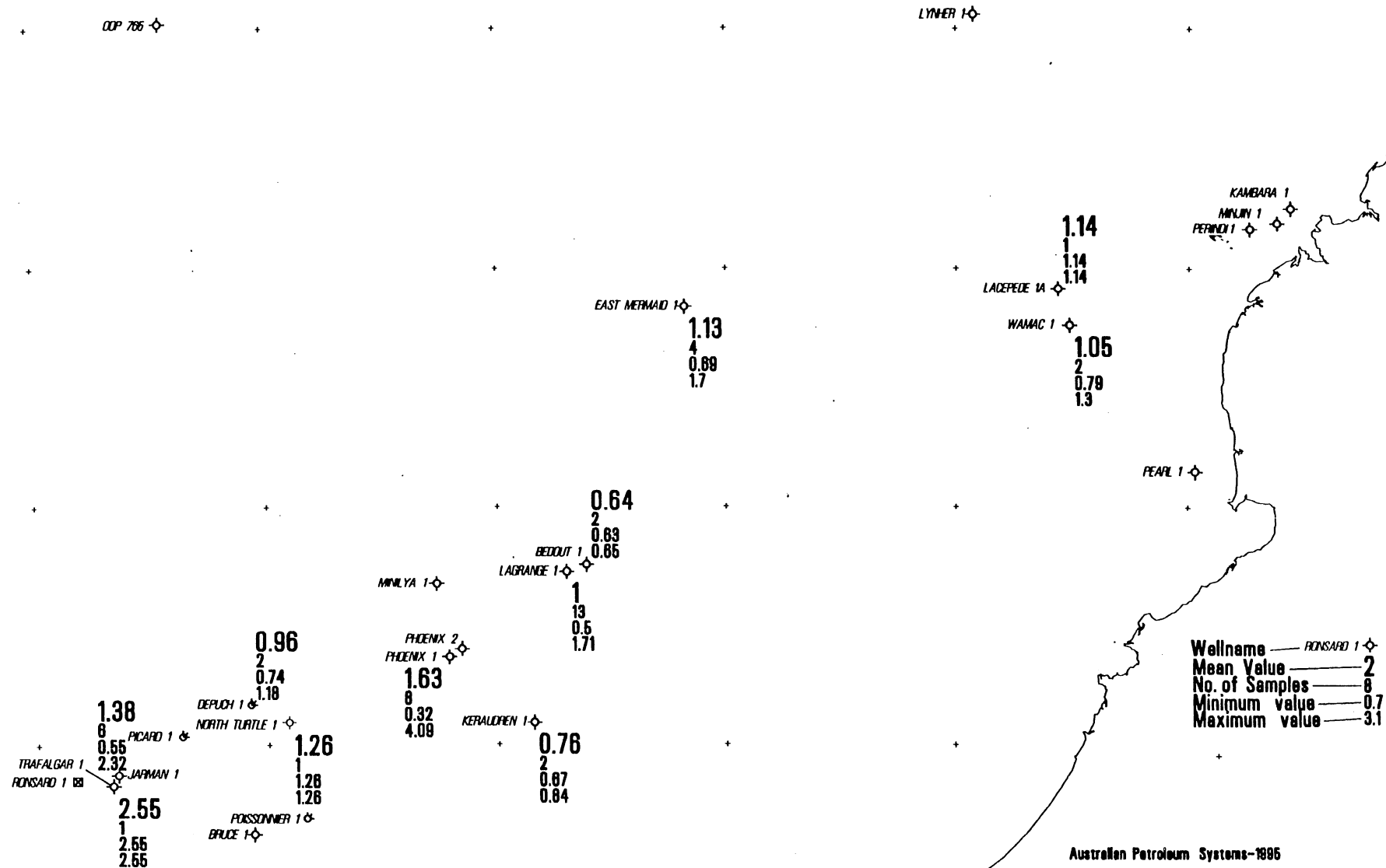
Australian Petroleum Systems-1985
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry S2
 Time Slice: J2

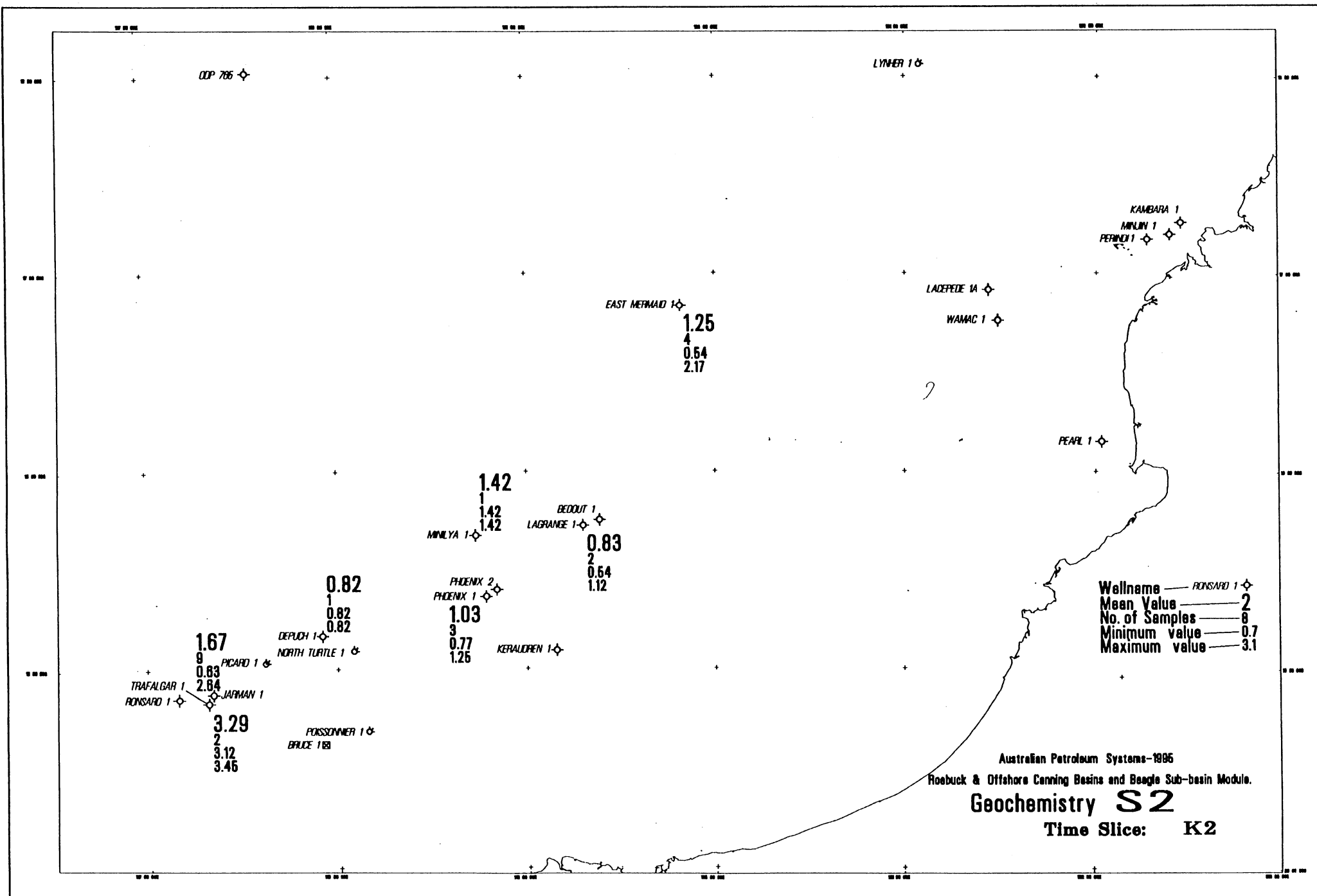


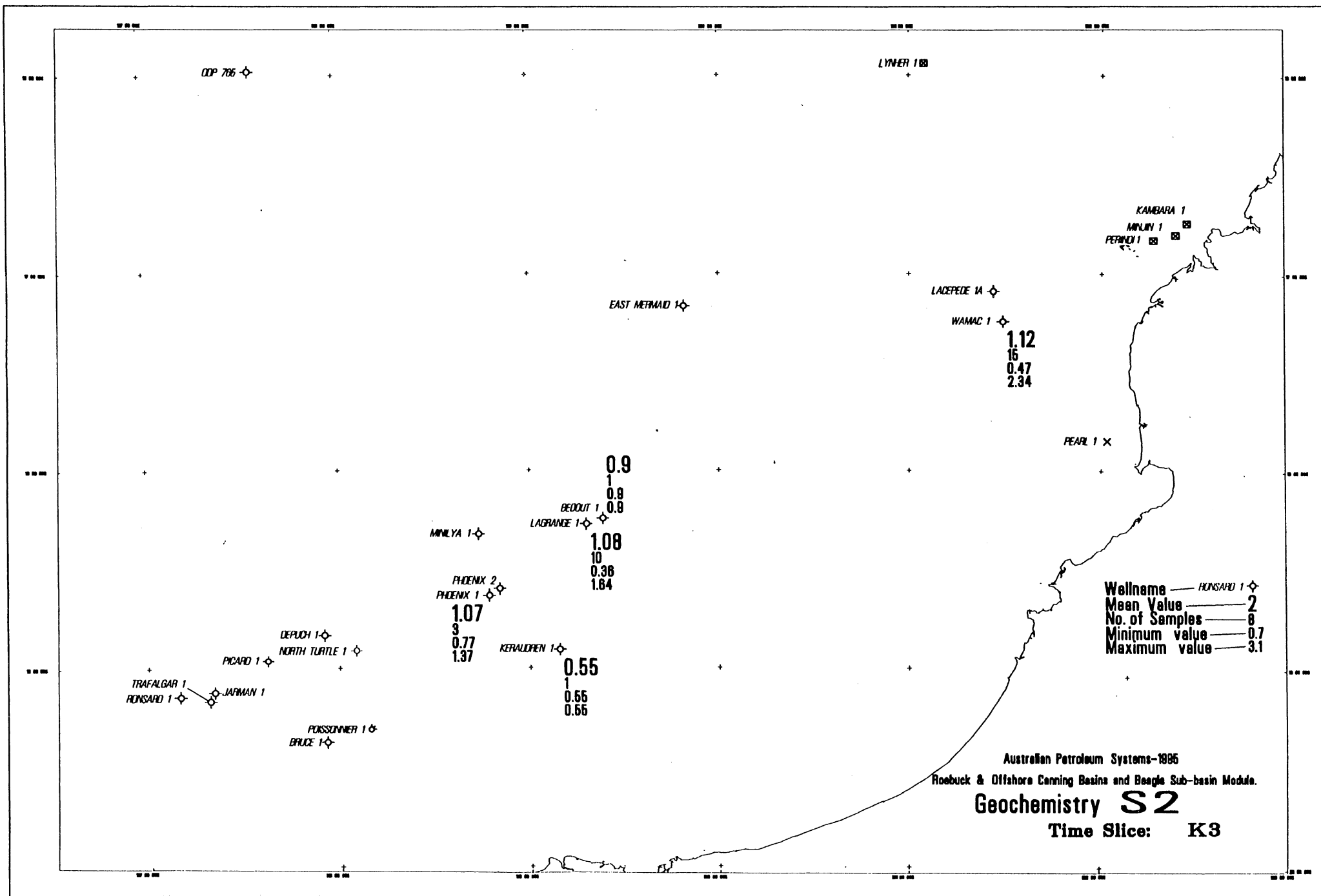
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 No. of Samples — 8
 Minimum value — 0.7
 Maximum value — 3.1

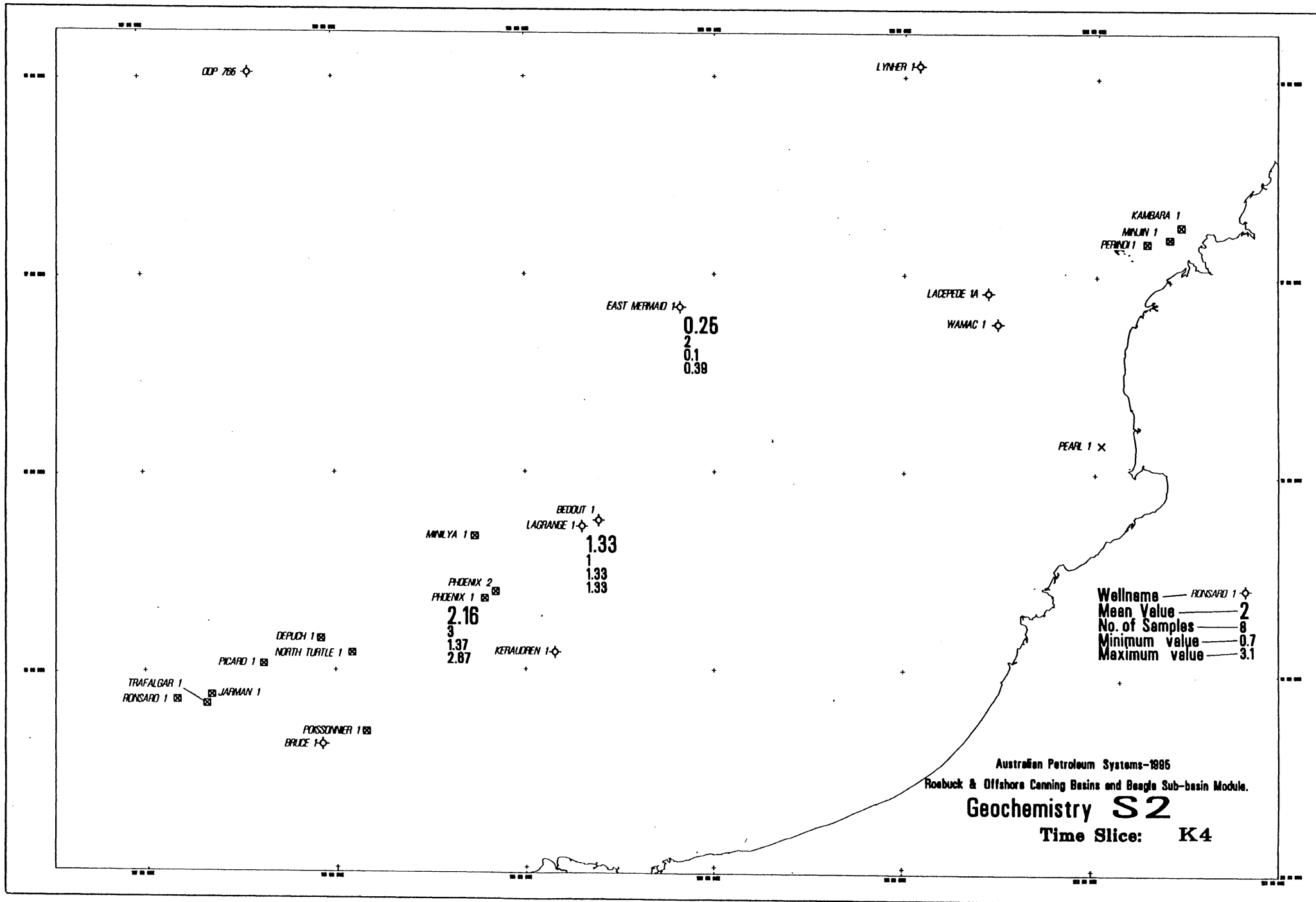
Australian Petroleum Systems-1996
 Roebuck & Offshore Canning Basins and Beagle Sub-basin Module.
Geochemistry S2
 Time Slice: J3-6

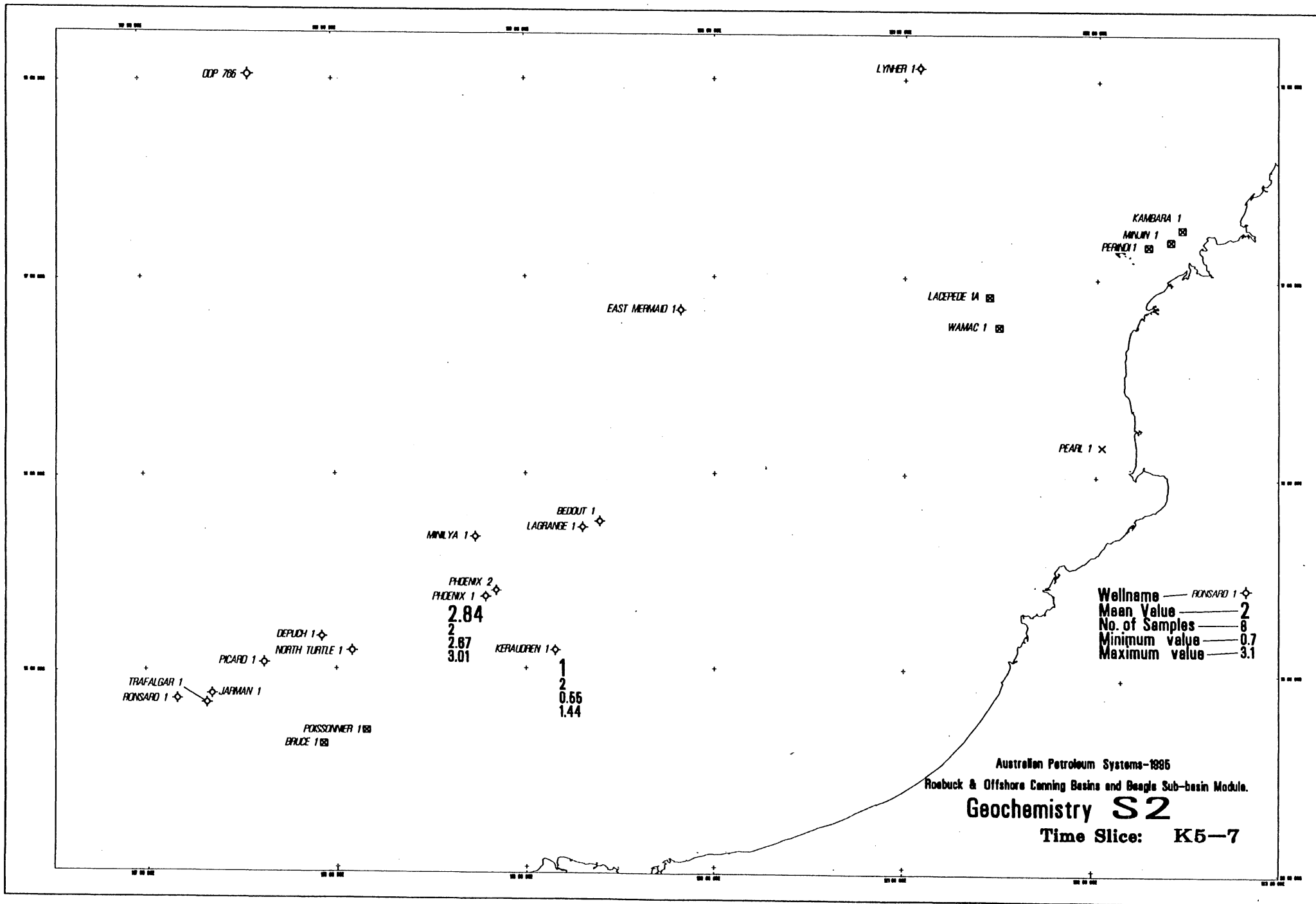


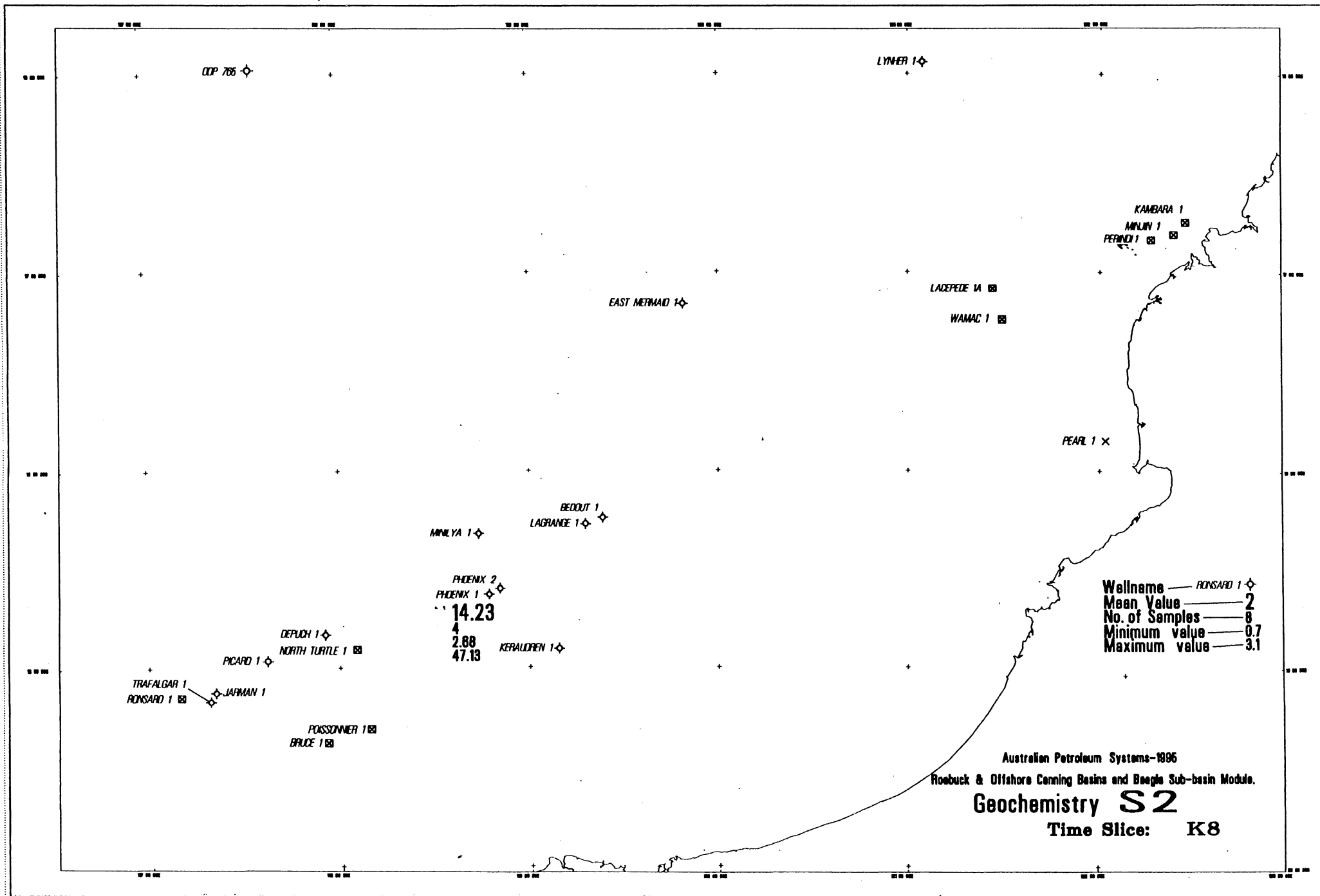


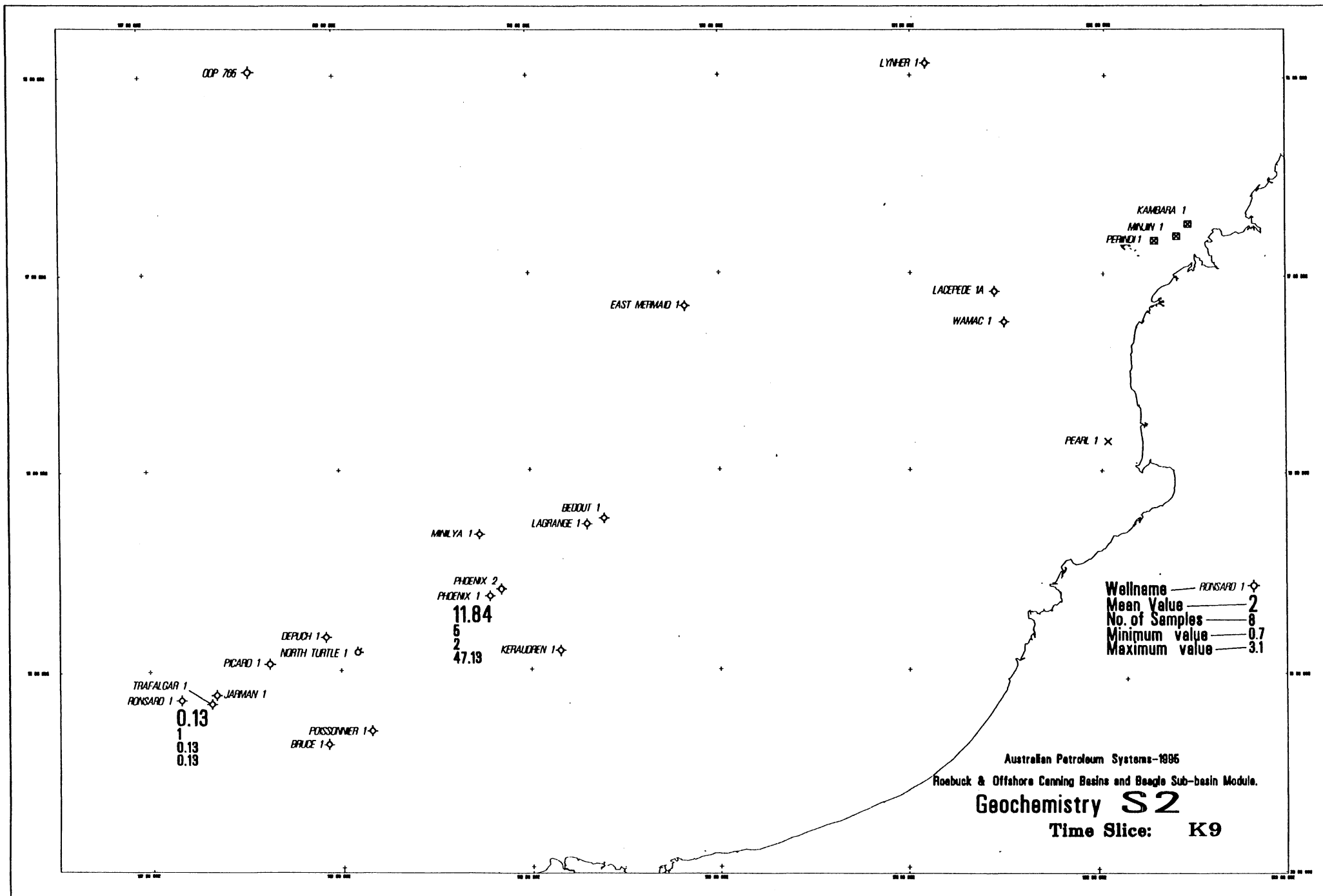


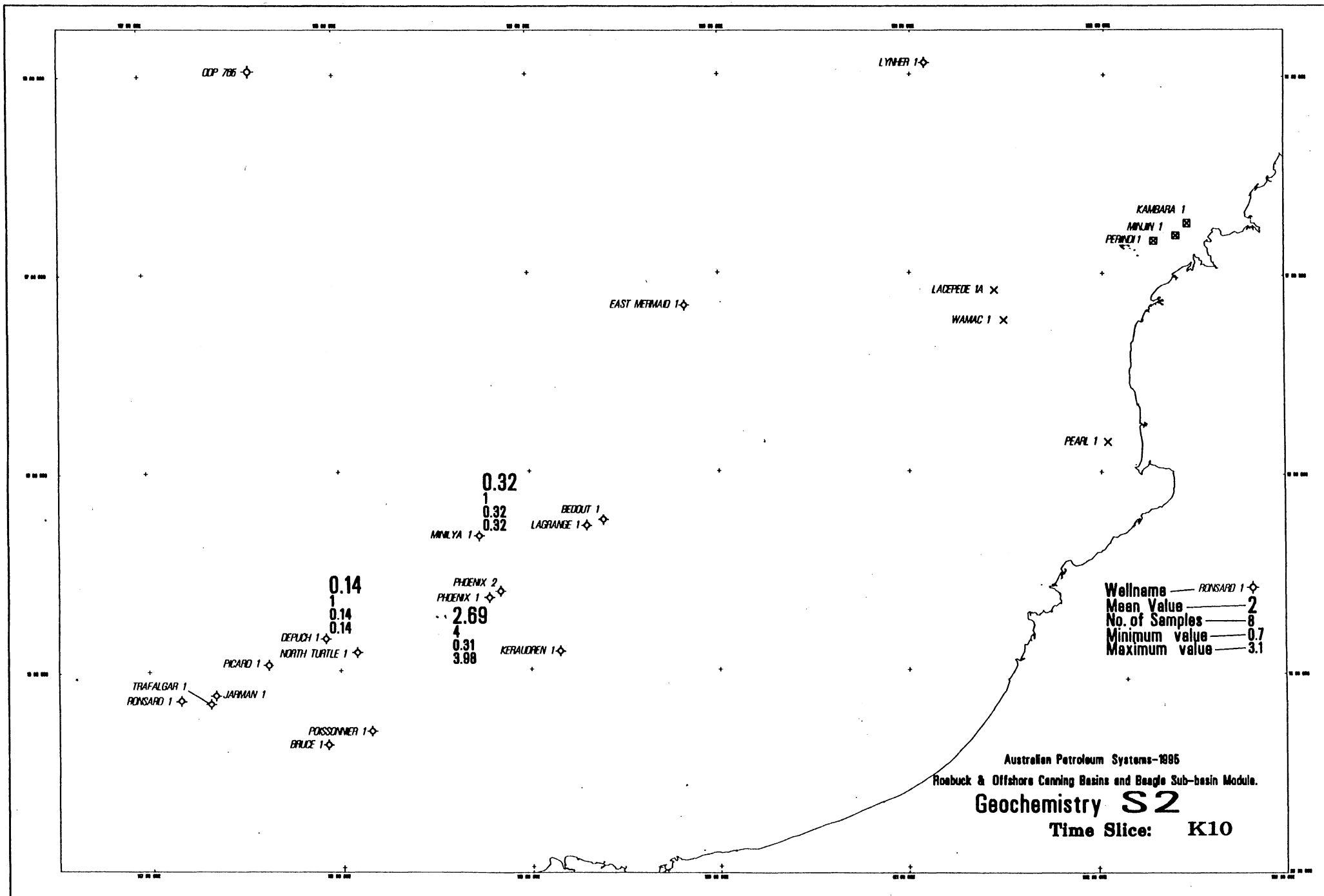


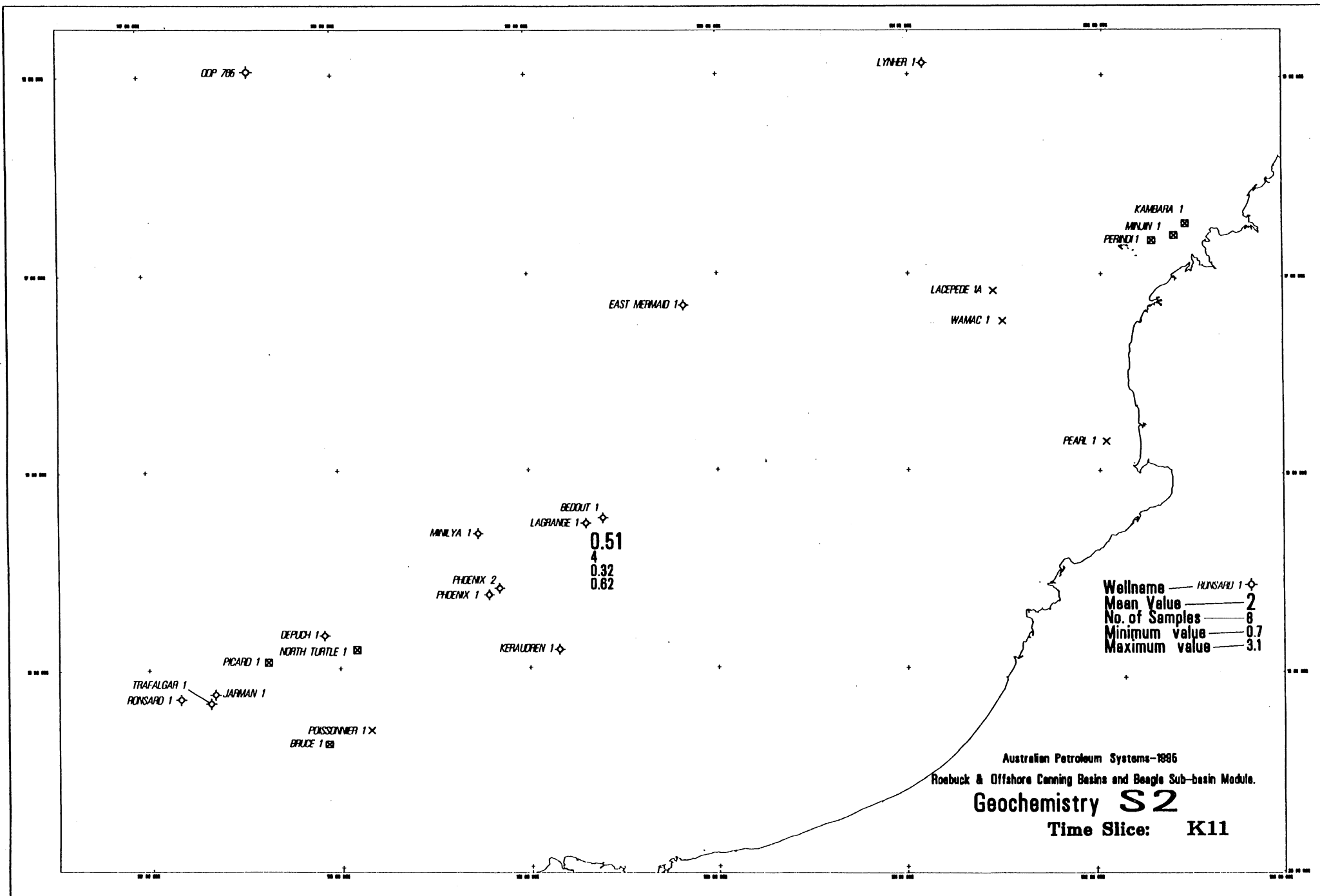


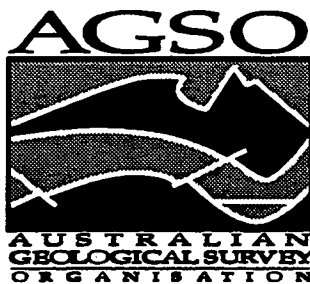












APIRA
AUSTRALIAN PETROLEUM SYSTEMS

ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

APPENDIX 5

GEOCHEMISTRY DATABASE SUMMARY

PART 2 - SUMMARY TABLE OF BEST SOURCE ROCK POTENTIAL

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

Well	top (m)	base (m)	TOC	S1	S2	S3	HI	S2/S3	PI	tmax	VR	time	source	environment	landform	lithology
Minjin 1	1604	1604	1.5	0.5	5.45	0.17	356	32.1	0.08	411	0.4	D6	wcr	MVS	RB	
Kambara 1	1740	1740	3.5	1.2	14.6	2.4	418	6.08	0.08	429		Crb2	wcr	MVS	RB	dk gy mdst
Wamac 1	2270	2290	2.5	0.87	4.95	0.7	198	7.07	0.15	429		Crb3	wcr	CDDU	BS	85%sst,10%sh,5%coal
Lacepede1	2189	2189	0.9	0.59	1.38	0.52	152	2.65	0.3	428		Crb6	wcr	LDFM	AC	dk gy shale
Wamac 1	1990	2010	6.2	1.38	12.4	1.74	200	7.15	0.1	429		Crb6	wcr	LDFL		m/dk gy clst,sst
Wamac 1	2010	2030	5.4	0.99	8.95	1.51	166	5.93	0.1	427		Crb6	wcr	LDFL		m/dk gy clst,sst,slst
Wamac 1	2030	2050	6.5	0.95	12.6	1.68	194	7.48	0.07	427		Crb6	wcr	LDFL		m/dk gy clst
Wamac 1	2050	2070	4.85	0.92	5.67	1.65	117	3.44	0.14	427		Crb6	wcr	LDFL		
Keraudren1	3330		2.53	0.33	5		193		0.06	473		Tr2	Colorado.S.M	CDDL	IDB	v li/dk gy clst
Keraudren1	3820		0.54	0.24	1.1		203		0.18	476		Tr2	Colorado.S.M	CDDL	AC	br gy,wh,li-dk gy cls
Phoenix 1	3920	3940	3.5		7.04		201		0	435		Tr2	wcr	CDDL	IDB	sst,cl,li/dk gy carb
Phoenix 1	3920	3940	3.5		7.04		201		0	435		Tr2	wcr	CDDL	IDB	clst,rd/br shale
Phoenix 1	3940	3960	6		18.2		303		0	433		Tr2	wcr	CDDL	IDB/DC	coal,rd br shale
Phoenix 1	3960	3980	5.9	21.7	16.4	0.53	278	30.9	0.57	431	0.57	Tr2	wcr	CDDL	DC	sst,cl,shale
Phoenix 1	3980	4000	4.2		8.61		205		0	434		Tr2	wcr	CDDL	DC	sst,cl,m/d gy,br mdst
Phoenix 1	4000	4020	3.2		5.86		183		0	436		Tr2	wcr	CDDL	IDB	sst,cl,m/d gy,br mdst
Phoenix 1	4020	4040	2.5		4.23		169		0	435		Tr2	wcr	CDDL	IDB	sst,cl,m/d gy,br mdst
Phoenix 1	4040	4060	3.5		6.44		184		0	434		Tr2	wcr	CDDL	IDB	sst,cl,m/d gy,br mdst
Phoenix 1	4060	4080	3.8		7.56		199		0	434		Tr2	wcr	CSF		sst,cl,m/d gy,br mdst
Phoenix 1	4080	4100	4.8		10.9		228		0	433		Tr2	wcr	CSF/CDDP		sst,cl,m/d gy,br mdst
Phoenix 1	4100	4120	4.4		11.3		256		0	433		Tr2	wcr	CDDP	DFS	sst,cl,m/d gy,br mdst
Phoenix 1	4200	4220	3.5		7.46		213		0	432		Tr2	wcr	CDDP/CDDL	DFS/IDB	sst,dk gy,br carb mst
Phoenix 1	4220	4240	3.7		6.96		188		0	435		Tr2	wcr	CDDL	IDB	sst,dk gy,br carb mst
Phoenix 2	3860	3890	7.6	11.9	18.2		239		0.4	434		Tr2	wcr	CDE/CDDL/F	CS/IDB/DFS	sst,cl,br,m gy carb mst
Phoenix 1	3560	3580	1.5		2.36		157		0	432		Tr4	wcr	CDF		mulicolour clst,sst
Phoenix 1	3030	3050	17.3		30.6		177		0	435		Tr5	wcr	CDIS	MF	mulicolour clst,cl
Phoenix 1	3050	3070	22.9	1.98	64.1	3.89	280	16.5	0.03	430	0.52	Tr5	wcr	CDIS	MF/C	mulicolour clst,sst
Wamac 1	1845		52.97	2.47	82.3		155		0.03	450		Tr5	Colorado.S.M	LDFM	PB	sst
Wamac 1	1845	1855	56.4		89.7		159		0	426		Tr5	wcr	LDFM	PB/AC	70%sst,20% sh,10%cl
Wamac 1	1880	1900	2	0.51	3.41	0.77	173	4.43	0.13	433		Tr5	wcr	LDFM	AC	60%sst,30%sh,10%cl
Wamac 1			11		22.3		203		0	428		Tr5	wcr	LDFM	AC	
Wamac 1	1900	1920	6.4	0.76	14.4	1.6	226	9.01	0.05	428		Tr5	wcr	LDFM	C/OD	50%sst,br/gy sh,10%cl
Wamac 1	1900		7.99	0.54	16.5		206		0.03	457		Tr5	Colorado.S.M	LDFM	C	
Wamac 1	1920	1940	5.17	0.48	7.55	1.34	146	5.63	0.06	429		Tr5	wcr	LDFM	PB/BS	
Wamac 1	1920	1940	12.3	0.69	16.5	3.57	134	4.62	0.04	430		Tr5	wcr	LDFM	PB/BS	
Mermaid 1	4039	4054	3.3		5.51	0.66	166	8.35	0	429		J1	wcr	U		
Bedout 1	2475	2493	56.3	2.21	108	11.8	192	9.14	0.02	426	0.58	J2	wcr	CDDU/CDDL	IDB/BS	blk coal
Bedout 1	2493	2512	10.5	0.16	0.74	1.18	216	0.63	0.18	432		J2	wcr	CDDU/CDDL	PB/DC	dk gy mdst
Bedout 1	2512	2530	7.5		14.1		188		0	428		J2	wcr	CDDL	DC/IDB	dk gy/gy blk

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

Bedout 1	2512	2530	7.5		14.1		188		0	428		J2	wcr	CDDL	DC/IDB	carb mdst
Bedout 1	2518		7.09	0.47	11.1		157		0.04	462		J2	Colorado.S.M	CDDL	IDB	dk gy clst
Bedout 1	2560	2579	9.6	1.35	32.3	1.82	337	17.7	0.04	422		J2	wcr	CDDL/CDDU	PB/DC/BS	dk gy mdst
Bedout 1	2570		13.57	2.3	41.4		305		0.05	453		J2	Colorado.S.M	CDDU	PB	sst,dk gy clst
Bedout 1	2579	2597	9.2	0.5	13.9	1.74	152	8.01	0.03	430		J2	wcr	CDDL/CDDF	DC/C	dk gy mdst
Bedout 1	2579	2597	9.2	0.5	13.9	1.74	152	8.01	0.03	430		J2	wcr	CDDP		
Bedout 1	2613		3.89	0.43	6.1		156		0.07	463		J2	Colorado.S.M	LDFM	BS	dk br/gy,ol blk clst
Bedout 1	2615	2634	7.1	0.45	14.6	1.56	205	9.35	0.03	426		J2	wcr	LDFM	PB/C	m dk gy mdst
Bedout 1	2662		19.3	2.45	52.6		266		0.04	458		J2	Colorado.S.M	LDFM	BS	dk br/br blk clst
Depuch 1	4065	4070	8.28		17.6		213		0	437		J2	kufpec1992	CDDP	DFS	sist,m/dk gy,gy blk
Depuch 1	4065	4070	8.28		17.6		213		0	437		J2	kufpec1992	CDDP	DFS	br/blk clst
Depuch 1	4090	4095	0.76		2.2		289		0	433		J2	kufpec1992	CDDP	DFS	sst,m/dk gy,gy blk
Depuch 1	4090	4095	0.76		2.2		289		0	433		J2	kufpec1992	CDDP	DFS	br/blk clst,coal
Depuch 1	4135	4140	20.69		37.4		181		0	439	0.7	J2	kufpec1992	CDDL	PB	m/dk gy,gy blk
Depuch 1	4135	4140	20.69		37.4		181		0	439	0.7	J2	kufpec1992	CDDL	PB	br/blk clst
Depuch 1	4175	4180	3		5.97		199		0	432		J2	esso1993	CDDL	PB	sist,m/dk gy,gy blk
Depuch 1	4175	4180	3		5.97		199		0	432		J2	esso1993	CDDL	PB	br/blk clst
Depuch 1	4180	4190	5.3	0.88	17.5	0.84	332	20.8	0.05	438		J2	wcr	CDDL	PB	dk gy/blk carb. mdst
Depuch 1			54.2	7.03	139	5.42	257	25.7	0.05	440		J2	wcr	CDDL	PB	blk coal
Depuch 1	4190	4195	3.02		8.43		279		0	437		J2	kufpec1992	CDDL	PB	sst,m/dk gy,gy blk
Depuch 1	4190	4195	3.02		8.43		279		0	437		J2	kufpec1992	CDDL	PB	br/blk clst,coal
Depuch 1	4230	4235	3.3		8.28		251		0	432	0.74	J2	kufpec1992	CDDL/CDP	IDB/B	sst,m/dk gy,gy blk
Depuch 1	4230	4235	3.3		8.28		251		0	432	0.74	J2	kufpec1992	CDDL/CDP	IDB/B	br/blk clst,sist
Depuch 1	4265	4270	3.59		6.46		180		0	437		J2	kufpec1992	CDP	B	sst,sist,coal
Lagrange 1	2395	2400	19.5		38.2		196		0	433		J2	wcr	CDDU	BS	dk gy mdst
Lagrange 1	2470	2490	7.4		18.9		256		0	428		J2	wcr	LDFM	BS	dk gy carb mdst
Lagrange 1	2490	2510	4.6	0.38	7.25	1.06	157	6.84	0.05	434		J2	wcr	LDFM	C/BS	dk gy carb mdst
Lagrange 1	2490	2510	4.02	0.36	5.71	0.88	142	6.49	0.06	433		J2	wcr	LDFM	C/BS	
NorthTurtle1	3930	3945	64.9	2.4	238	4.54	366	52.3	0.01	421		J2	wcr	CDDL	PB	blk coal
NorthTurtle1	3960	3965	1.4		2.45		175		0	426		J2	kufpec1992	CDDL	CS	
NorthTurtle1	4010	4030	3.7	0.3	7.2	3.49	194	2.06	0.04	426		J2	wcr	MVS	IDB	m/dk gy mdst
NorthTurtle1	4030	4045	4.8	0.37	12	2.19	253	5.49	0.03	431	0.67	J2	wcr	MVS	IDB/DFS	m/dk gy mdst
NorthTurtle1	4035	4040	4.37		9.13		209		0	430	0.55	J2	kufpec1992	MVS	IDB	
NorthTurtle1	4070	4090	3.2	0.3	5.75	1.57	179	3.66	0.05	432		J2	wcr	CDDP/CDIS	DFS/MF	m/dk gy mdst
NorthTurtle1	4090	4110	3.8	0.36	6.78	3.09	178	2.19	0.05	432		J2	wcr	CDIS	MF	m gy mdst
NorthTurtle1	4180	4200	2.9	0.43	6.72	1.37	231	4.91	0.06	432		J2	wcr	CDDP		m gy mdst
NorthTurtle1	4200	4220	2.8	0.29	5.44	2.15	195	2.53	0.05	434	0.72	J2	wcr	CDDP		m gy/ m dk gry mdst
NorthTurtle1	4220	4240	3.4	0.25	6.07	1.89	177	3.21	0.04	432		J2	wcr	CDDP/CDDL	IDB	m gy/ m dk gry mdst
NorthTurtle1	4240	4260	3.9	0.37	8.95	1.83	230	4.89	0.04	430		J2	wcr	CDDL	IDB	dk gy/ gy blk mdst
NorthTurtle1	4260	4275	4.9	0.48	15.6	1.42	317	11	0.03	429		J2	wcr	CDDL/CDDP	IDB/DFS	dk gy/ gy blk mdst
NorthTurtle1	4285	4300	3.1	0.26	6.12	1.95	195	3.14	0.04	434		J2	wcr	CDDP	BB/DFS	m dk gy/dk gy mdst

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

Phoenix 1	2520	2540	6.7		14.5		216		0	428		J2	wcr	CDDL/CDP	C/LA	sst,cl,m/dk gy,br
Phoenix 1	2520	2540	6.7		14.5		216		0	428		J2	wcr	CDDL/CDP	C/LA	carb mdst
Phoenix 1	2540	2560	5	0.4	9.5	0.65	190	14.6	0.04	426	0.47	J2	wcr	CDP	LA/CS	sst,cl,li/m br mdst
Phoenix 1	2560		14.6	0.2	40.6		278		0		0.51	J2	Callow 1980	CDP	LA	sist/coal frag
Phoenix 1	2580	2600	4.5		9.63		214		0	429		J2	wcr	CDP	LA/B	sst,cl,li/m br mdst
Picard 1	3768		3.17	1.14	5		153		0.19	466		J2	Colorado.S.M	CDDP	DFS	sst
Picard 1	3837	3841	3.65		6.9		189		0	438	0.68	J2	kufpec1992	CDDP		ol/m dk gy,blk,dk y
Picard 1	3837	3841	3.65		6.9		189		0	438	0.68	J2	kufpec1992	CDDP		br clst
Picard 1	3845	3860	5.92		11.3		191		0	436		J2	Robert.R.86	CDDP		m/dk gy mdst&cl&sst
Picard 1	4000		2.77	0.67	4.5		163		0.13	467		J2	Colorado.S.M	LDF	BS	ol/m dk gy,blk,dk y
Picard 1	4000		2.77	0.67	4.5		163		0.13	467		J2	Colorado.S.M	LDF	BS	br clst
Trafalgar 1	2715	2733	1.5	0.43	3.53	2.4	235	1.47	0.11	433		J2	wcr	CDDL	PB/IDB	sst,sist,carb
Bedout 1	2420	2438	10.6		18.1		171		0	434		J3	wcr	LDFM	BS	m gy/gy blk mdst
Depuch 1	3985	3990	2.83		5.21		184		0	432		J3	kufpec1992	CDDP	DFS	sst,m/dk gy,gy blk
Depuch 1	3985	3990	2.83		5.21		184		0	432		J3	kufpec1992	CDDP	DFS	br/blk clst
NorthTurtle1	3755	3770	21.9	1.63	79.7	2.41	364	33.1	0.02	429		J3	wcr	CDIS	CS	gy blk mdst
NorthTurtle1			1.9	0.12	2.99	3.18	155	0.94	0.04	432		J3	wcr	CDIS	CS	m gy/m dk gy sist
NorthTurtle1	3845	3865	16.4	1.01	49.5	2.3	302	21.5	0.02	424		J3	wcr	CDIS	MF	gy blk carb mdst
Picard 1	3360	3372	4.8		9.12		190		0	429		J3	wcr	CDDP	DFS	dk gy carb. mdst
Picard 1	3405		3.41	0.74	5.9		172		0.11	465		J3	Colorado.S.M	CDDL	PB	ol/m dk gy,blk,dk y
Picard 1	3405		3.41	0.74	5.9		172		0.11	465		J3	Colorado.S.M	CDDL	PB	br clst
Bedout 1	2265	2283	23.6	1.34	43.4	0.01	184	4341	0.03	429	0.53	J4	wcr	LDFM	AC	dk gy v.carb mdst
Bedout 1	2274		10.35	0.58	13		174		0.04	463		J4	Colorado.S.M	LDFB	AC	coal
Bedout 1	2307	2326	43.6		94.6		217		0	431		J4	wcr	LDFM	AC	dk gy/gy blk coal
Bedout 1	2326	2341	18.9	1.17	37.8	4.35	200	8.69	0.03	424		J4	wcr	LDFM	C/AC	dk gy/gy blk mdst
Bedout 1	2347	2365	13		22.1		170		0	432		J4	wcr	LDFM	C	dk gy mdst
Depuch 1	3660	3665	1.45		2.68		185		0	434		J4	kufpec1992	CDDL	IDB	sist,m gy,br gy,br
Depuch 1	3660	3665	1.45		2.68		185		0	434		J4	kufpec1992	CDDL	IDB	blk clst
Depuch 1	3695	3700	3.52		6.34		180		0	434	0.62	J4	kufpec1992	CDDL	PB	sist,m gy,br gy,br
Depuch 1	3695	3700	3.52		6.34		180		0	434	0.62	J4	kufpec1992	CDDL	PB	blk clst
Depuch 1	3735	3740	3.1	0.15	5.94	0.64	194	9.28	0.02	435		J4	wcr	CDDP	DFS	dk gy/blk carb. mdst
Depuch 1	3780	3785	4.41	0.23	6.35	0.79	144	8.04	0.03	433		J4	wcr	CDDL	C	
Depuch 1	3820	3825	0.51		1		196		0	434		J4	kufpec1992	CDDL	C	sst,m/dk gy,gy blk
Depuch 1	3820	3825	0.51		1		196		0	434		J4	kufpec1992	CDDL	C	br/blk clst
Depuch 1	3900	3905	2.99		5.29		177		0	434		J4	kufpec1992	CDDL	IDB	sst,m/dk gy,gy blk
Depuch 1	3900	3905	2.99		5.29		177		0	434		J4	kufpec1992	CDDL	IDB	br/blk clst
Mermaid 1	3460	3469	8.39	0.98	22	3.18	262	6.92	0.04	424		J4	AGSO	CDDU	C/OD	y/br shale,coal
Mermaid 1	3527	3530	3.1	0.27	4.71	0.69	152	6.83	0.05	427		J4	AGSO	CDDU	C/OD	y/br shale,coal
Mermaid 1	3566	3581	5.4	0.29	7.02	0.59	130	11.9	0.04	431		J4	wcr	CDDU	C	y/br shale,coal
Mermaid 1	3664	3667	4.76	0.44	9.11	1.05	191	8.68	0.05	424		J4	AGSO	CDDU	C	y/br shale,coal
Mermaid 1	3697	3700	2.94	0.4	7.41	2.78	252	2.67	0.05	421		J4	AGSO	CDDU	OD	y/br shale,coal

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

Mermaid 1	3816	3819	4.12	0.83	8.63	2.99	209	2.89	0.09	422		J4	AGSO	CDDU	BS	y/br shale,coal
Mermaid 1	3886	3889	3.84	0.62	7.56	1.38	197	5.48	0.08	419		J4	AGSO	LDFM	AC/PB	gy/ol gy,br clyst,y/
Mermaid 1	3886	3889	3.84	0.62	7.56	1.38	197	5.48	0.08	419		J4	AGSO	LDFM	AC/PB	br shale,coal
Mermaid 1	4008	4011	3.83	0.68	9.96	0.73	260	13.6	0.06	424		J4	AGSO	U		gy/ol gy/br clyst,m/
Mermaid 1	4008	4011	3.83	0.68	9.96	0.73	260	13.6	0.06	424		J4	AGSO	U		dk gy shale
Keraudren1	1965		35.09	1.55	65.1		186		0.02	470		J4	Colorado.S.M	LDFM	C	sst,m/dk gy clst,carb
Lacepede1	1859	1859	4.5	1.19	10.8	1.12	241	9.6	0.1	426		J4	wcr	LDFM	OD	dk gy carb clst
NorthTurtle1	3490	3505	8	0.36	17.8	1.76	223	10.1	0.02	429		J4	wcr	CDE/CDDL	C/IDB	dk gy/gy blk mdst
NorthTurtle1	3585	3600	3		4.74		158		0	432		J4	wcr	CDIS	MF/PB	m/dk gy mdst
NorthTurtle1	3585	3600	49.1	2.38	117	3.93	238	29.7	0.02	426	0.75	J4	wcr	CDIS	MF/PB	blk coal
NorthTurtle1	3700	3705	4.8	0.38	12.3	0.95	259	13	0.03	430		J4	wcr	CDDP	DFS	m/dk gy mdst
NorthTurtle1			25.6	1.52	74.5	2.56	291	29.1	0.02	428		J4	wcr	CDDP	DFS	blk coal
NorthTurtle1	3730	3735	2.31		3.49		151		0	428	0.49	J4	kufpec1992	CDDL	IDB	
Phoenix 1	2380		26.1	0.5	37.4		143		0.01		0.47	J4	Callow 1980	CDDL	C	coal
Phoenix 1	2390	2410	33.85	2.59	40.6	6.77	120	6	0.06	427	0.49	J4		CDDL	D/CS	coal
Phoenix 1	2450	2470	6.9		15.5		224		0	426		J4	wcr	CDDL	PB	coal,sst,li/m br clst
Phoenix 1	2470		6	0.2	11.7		195		0.02		0.53	J4	Callow 1980	CDDL	PB	sh/sst
Picard 1	3180		2.66	0.5	4.8		180		0.09	466		J4	Colorado.S.M	CDDL	IDB	ol/m dk gy,blk,dk y
Picard 1	3180		2.66	0.5	4.8		180		0.09	466		J4	Colorado.S.M	CDDL	IDB	br clst
Picard 1	3287		3.6	0.92	7.4		206		0.11	467		J4	Colorado.S.M	CDDL	IDB	sst
Ronsard 1	2550	2550	2.1	0.39	5.13	6.79	248	0.76	0.07	546		J4	wcr	CDIS	MF	ol gy clst
Trafalgar 1	2552	2552	1.4	0.39	4.79	0.23	340	20.8	0.08	427	0.54	J4	wcr	CDDL	IDB	sst,carb
Trafalgar 1	2589	2607	1.4	0.45	5.88	1.36	415	4.32	0.07	432		J4	wcr	CDDU	C/CS/PB/BS	sst,sst,br clst
Bedout 1	2082		29.46	26.9	92.7		315		0.22	462		J5	Colorado.S.M	CDDL	IDB	ol blk clst
Bedout 1	2158	2176	1.4		2.3		164		0	435		J5	wcr	LDFM	AC/PB	m gy mdst
Bedout 1			26.8		42.9		160		0	429		J5	wcr	LDFM	AC/PB	blk coal
Bedout 1	2168		5.94	4.09	12.9		217		0.24	462		J5	Colorado.S.M	LDFM	C	sst,ol gy/dk ol clst
Bedout 1	2176	2195	47.1	9.84	79.7	10.4	169	7.68	0.11	428	0.53	J5	wcr	LDFM	PB/AC	blk coal
Bedout 1	2213	2225	10.9		20.1		184		0	430		J5	wcr	LDFM	PB	m dk gy mdst
Cossigny 1	2070		32.08	6.61	84.8		264		0.07	460		J5	Colorado.S.M	CDDL	SMB	sst
Depuch 1	3425	3435	1.45		3.09		213		0	434		J5	kufpec1992	CDDL	CS	sst,m gy,br gy,br
Depuch 1	3425	3435	1.45		3.09		213		0	434		J5	kufpec1992	CDDL	CS	blk clst
Depuch 1	3470		7.58	0.69	19		251		0.04	471		J5	Colorado.S.M	CDDL	CS	sst,m gy,br gy,br
Depuch 1	3470		7.58	0.69	19		251		0.04	471		J5	Colorado.S.M	CDDL	CS	blk clst
Depuch 1	3470	3475	48.9	2.7	122	4.89	250	25	0.02	434		J5	wcr	CDDL	CS	coal
Depuch 1	3530	3535	1.48		3.66		247		0	435	0.54	J5	kufpec1992	LDF	BS	sst,m gy,br gy,br
Depuch 1	3530	3535	1.48		3.66		247		0	435	0.54	J5	kufpec1992	LDF	BS	blk clst,sst
Depuch 1	3535		3.97	0.52	14.4		363		0.03	475		J5	Colorado.S.M	LDF	BS	sst,m gy,br gy,br
Depuch 1	3535		3.97	0.52	14.4		363		0.03	475		J5	Colorado.S.M	LDF	BS	blk clst,sst
Depuch 1	3570	3575	0.85		2.99		352		0	434	0.63	J5	kufpec1992	LDFB	AF	sst
Depuch 1	3610	3620	4.2	0.22	8.3	1	200	8.3	0.03	433		J5	wcr	CDDU	PB	dk gy/blk carb mdst

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

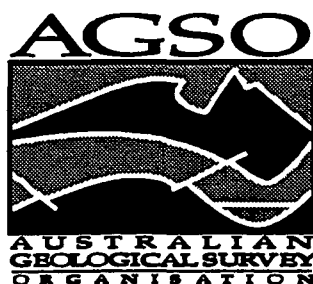
Mermaid 1	3246	3261	13.8	1.54	49.7	1.52	360	32.7	0.03	429		J5	wcr	LDFM	PB/OD/C	y/br shale,coal
Mermaid 1	3396	3414	14	5	53.7	6.22	384	8.64	0.09	419		J5	AGSO	LDFM	AC/PB	y/br shale,coal
Lacepede1	1796		4.1	0.29	6.5		159		0.04	468		J5	Colorado.S.M	LDFM	OD	sst
Minilya 1	2340	2360	1.8	1.12	3.75	1.11	206	3.38	0.23	432		J5	wcr	LDFM	C/PB/CS	m/dk gy mdst
Minilya 1	2360	2380	1.8	1.22	3.31	0.97	187	3.41	0.27	431		J5	wcr	LDFM	CS/C	m/dk gy mdst
Minilya 1	2380	2400	2.3	2.34	5.2	1.01	226	5.15	0.31	430		J5	wcr	LDFM	C/PB	m/dk gy mdst
NorthTurtle1	3285	3305	7.2	0.33	16.4	1.29	228	12.7	0.02	430		J5	wcr	CDDU	OD/CS	dk gy/gy blk mdst
Phoenix 1	2080	2100	3.9	5.94	113	3.81	343	29.6	0.05	426		J5	wcr	CDIS	C	dk br mdst,coal
Phoenix 1			29.3		113		385		0	425	0.43	J5	wcr	CDIS	C	dk br mdst,coal
Phoenix 1	2100		2.9	0.3	7.5		259		0.04		0.33	J5	Callow 1980	CDIS	C	sst
Picard 1	2857		3.18	0.52	5.2		163		0.09	461		J5	Colorado.S.M	CDDP	DFS	ol blk clst
Picard 1	2930	2942	5.5		8.97		163		0	433		J5	wcr	CDDL	PB	m/dk gy carb. mdst
Wamac 1	1720	1740	42.1	2.71	87.6	9.26	208	9.46	0.03	424		J5	wcr	LDFM	BS/PB	100%sst, tr coal
Wamac 1			23	1.9	61.4	4.37	267	14.1	0.03	424		J5	wcr	LDFM	BS/PB	
Wamac 1	1725		60.61	2.6	113		186		0.02	454		J5	Colorado.S.M	LDFM	BS	w/dk gy carb clst
Wamac 1	1800	1820	41.9	1.3	41.9	16.8	100	2.5	0.03	425		J5	wcr	LDFM	BS	60% gy sh, 40% sst
Wamac 1	1825		23.7	0.46	54.3		229		0.01	446		J5	Colorado.S.M	LDFM	BS	ll/dk gy, rd,br clst
Bedout 1	1972	1987	7.88	2.09	16.4	8.25	208	1.98	0.11	422		J6	AGSO	LDFM	PB/AC	ol gy,br,blk carb clst
Bedout 1	2003		50.49	30.3	97		192		0.24	461		J6	Colorado.S.M	LDFM	PB	sst
Bedout 1	2012	2012	2.5	7.82	5.22	1.45	212	3.6	0.6	429	0.47	J6	wcr	LDFM	PB	sand/minor cl band
Cossigny 1	2015		18.29	7.73	40		219		0.16	462		J6	Colorado.S.M	CDDL	SMB	sst
Depuch 1	2830	2840			nodat		304			426		J6	esso1993	CDDP		sst,slst,coal
Depuch 1	2835		5.41	0.56	11.1		205		0.05	466		J6	Colorado.S.M	CDDP		sst,slst,coal
Depuch 1	2840	2840	2.5	0.42	6.65	0.43	265	15.5	0.06	436	0.51	J6	wcr	CDDP		m/dk gy silty mdst
Depuch 1	2900		14.88	1.06	41.9		281		0.02	466		J6	Colorado.S.M	CSFU		m gy,ol blk,br blk
Depuch 1	2900		14.88	1.06	41.9		281		0.02	466		J6	Colorado.S.M	CSFU		clst
Depuch 1	2930		4.96	0.6	13.1		264		0.04	467		J6	Colorado.S.M	CDDL	C	m gy,ol blk,br blk
Depuch 1	2930		4.96	0.6	13.1		264		0.04	467		J6	Colorado.S.M	CDDL	C	clst
Depuch 1	2965		7.39	0.45	13		243		0.03	466		J6	Colorado.S.M	LDF	PB	sst
Depuch 1	3000	3015	11.9	0.4	19.9	1.78	167	11.2	0.02	433		J6	wcr	CDDL	IDB	m/dk gy mdst
Depuch 1			46.4	2.8	112	5.56	241	20.1	0.02	427		J6	wcr	CDDL	IDB	blk coal
Depuch 1	3065		6.08	0.51	15.7		258		0.03	466		J6	Colorado.S.M	CDDL	PB	slst
Depuch 1	3065	3070	6.9	0.39	20	1.17	290	17.1	0.02	434		J6	wcr	CDDL	PB	dk gy/v carb mdst
Depuch 1	3120	3125	47.6	1.9	90.5	4.76	190	19	0.02	432		J6	wcr	CDDP	DFS	blk coal
Depuch 1	3150		8.34	0.5	12.6		151		0.04	466		J6	Colorado.S.M	CDDP	DFS	coal,ol/br blk clst
Depuch 1	3165	3170	9.75		21.5		220		0	430		J6	esso1993	CDDP	DFS	slst,coal,ol/br blk clst
Depuch 1	3210	3215	22.1	0.99	37.8	2.65	171	14.2	0.03	434		J6	wcr	CDE	MF	blk coal
Depuch 1	3230	3235	12.8	0.75	49.8	2.81	389	17.7	0.01	433		J6	wcr	CDE	MF	dk gy/blk v.carb mdst
Depuch 1	3290	3300	0.58		1.1		189		0	433		J6	kufpec1992	CDDL	IDB	m gy,br gy,br bk clst
Depuch 1	3310	3320	7.3	0.29	12.3	1.46	169	8.42	0.02	435		J6	wcr	CSFU		dk gy mdst
Depuch 1	3310	3320	1.31	nodat	2.37	nodat	181			433		J6	kufpec1992	CSFU		m gy,br gy,br bk clst

Summary table of best source rock potential
Selection criteria: 1. HI>150, TOC>0.5%, 2. 100<HI<150, TOC>0.5%, S2>5.

Depuch 1	3335	3345	4.8	0.2	9.01	1.11	187	8.12	0.02	434		J6	wcr	CSFU		m/dk gy mdst
Depuch 1	3360	3365	7.2	0.11	12.1	1.37	168	8.85	0.01	435		J6	wcr	CDE	MF	m/dk gy mdst
Depuch 1			47.8	1.79	122	5.25	255	23.2	0.01	436		J6	wcr	CDE	MF	blk coal
Depuch 1	3385	3390	0.58		0.97		168		0	434		J6	kufpec1992	CDDL	CS	slst,m gy,br gy,br
Depuch 1	3385	3390	0.58		0.97		168		0	434		J6	kufpec1992	CDDL	CS	blk clst
Depuch 1	3420	3425	6.12	0.22	8.26	2.88	135	2.87	0.03	438		J6	wcr	CDDL	CS	slst,m gy,br gy,br
Depuch 1	3420	3425	6.12	0.22	8.26	2.88	135	2.87	0.03	438		J6	wcr	CDDL	CS	blk clst
Depuch 1	3425		2.53	0.32	4.5		177		0.07	442		J6	Colorado.S.M	CDDL	CS	slst,m gy,br gy,br
Depuch 1	3425		2.53	0.32	4.5		177		0.07	442		J6	Colorado.S.M	CDDL	CS	blk clst
Mermaid 1	3124	3127	4.21	0.97	11.6	1.12	274	10.3	0.08	425		J6	AGSO	CDDL	DC	y/br shale,coal
Lagrange 1	1740	1760	1.1	0.51	2.32	0.68	207	3.41	0.18	434		J6	wcr	CDDL	IDB	m gy mdst
Minilya 1	2280	2300	4	1.57	6.28	1.44	157	4.36	0.2	427		J6	wcr	LDFM	C/AC	m/dk gy mdst
NorthTurtle1	2735	2745	23	1.7	55	3.45	239	15.9	0.03	429		J6	wcr	CDDU	OD/CS/PB	blk coal
NorthTurtle1	3120	3130	24.5	1.58	77.4	3.43	316	22.6	0.02	430		J6	wcr	LDF	OD	gy blk/blk coal
Picard 1	2323		1.94	1.33	4		204		0.25	463		J6	Colorado.S.M	LDF	C	ol blk clst
Picard 1	2384		8.67	2.08	19.1		220		0.1	461		J6	Colorado.S.M	LDF	OD	ol blk clst
Picard 1	2442		4.33	0.32	11.7		270		0.03	461		J6	Colorado.S.M	LDF	OD	ol blk clst
Picard 1	2588	2601	3.9	nodat	6.71		172			434		J6	wcr	LDF	PB	m/m dk gy mdst
Picard 1	2588		25.34	3.11	40.5		160		0.07	453		J6	Colorado.S.M	LDF	PB	ol blk clst
Picard 1	2674		4.29	0.35	7.1		166		0.05	463		J6	Colorado.S.M	LDF	OD	sst
Jarman 1	2790	2790	3	0.71	6.43	2.2	213	2.92	0.1	427		J7	wcr	LDFL	PB	sst,slst,dol
NorthTurtle1	2235	2245	1.05		1.83		174		0	430		J7	Robert. R.87	CDDL	IDB	dk/m gy marine mdst
NorthTurtle1	2330	2350	1.45		4.02		277		0	435		J7	Robert. R.87	CDDL	IDB	dk/m gy must
NorthTurtle1	2350	2360	1.26		2.27		180		0	432		J7	Robert. R.87	CDDL	IDB	dk/m gy mdst
Lacepede1	1247		0.89	0.16	1.6		184		0.09	468		J10	Colorado.S.M	MS		m gy clst
Perindi 1	500	500	1.1	0.17	2.08	0.94	194	2.21	0.08	421	0.37	J10	wcr	MS	CSHI	
Wamac 1	1160		1.07	0.12	1.3		167		0.08	461		J10	Colorado.S.M	CDIS	MF	gy ol gy clst
Minilya 1	2120	2140	2.4	1.26	5.02	1.83	211	2.74	0.2	427		J10/9	wcr	MS/CDDL/F	SMB/IDB/CSHM	m gy/ol gy mdst
Depuch 1	2450	2470	1.18		2.14		181		0	434		K1	Robert.R.86	CSF		m dk/ol gy mdst
Lacepede1	930		1.38	0.47	2.1		151		0.18	474		K1	Colorado.S.M	CDE	MF	slst
Lacepede1	991		1.55	0.67	3		196		0.18	471	nodat	K1	Colorado.S.M	CDE	C	slst
Lacepede1	1024		1.32	0.44	2		152		0.18	472		K1	Colorado.S.M	CDE	MF	slst
Phoenix 1	1730	1750	2.1		4.07		194		0	424	0.37	K1	wcr	MS	CSHI	mdst
Trafalgar 1	2331	2349	1.1	0.39	2.55	3.22	232	0.79	0.13	429	0.47	K1	wcr	MS	CSHI	slst,br blk clst,dol
Lacepede1	774		3.93	2	29		737		0.06	457		K2	Colorado.S.M	MVS		slst
Trafalgar 1	2271	2289	1.6	0.46	3.45	2.39	212	1.44	0.12	432		K2	wcr	MS	CSHI	gy/dk gy blk clst
Trafalgar 1	2307	2325	1.6	0.55	3.12	3.13	201	1	0.15	430		K2	wcr	MS	CSHI	br,blk clst,dol
Lacepede1	558		1.92	0.38	3.1		163		0.11	474		K3	Colorado.S.M	MS	CSHI	slst
Lacepede1	598		1.84	0.37	2.3		155		0.14	474		K3	Colorado.S.M	MS	CSHI	slst
Phoenix 1	1490	1510	9.8	1.46	47.1		479		0.03	417		K8	wcr	MS	CSHM	dk ol gy,br gy mdst
Phoenix 1			2.1		4.2		200		0	428	0.35	K8	wcr	MS	CSHM	dk ol gy,br gy mdst

Selection criteria: 1. $HI > 150$, $TOC > 0.5\%$, 2. $100 < HI < 150$, $TOC > 0.5\%$, $S_2 > 5$.

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ROEBUCK AND OFFSHORE
CANNING BASINS - BEAGLE SUB-
BASIN MODULE

APPENDIX 5

GEOCHEMISTRY DATABASE SUMMARY

PART 3 - AGSO 1995 ROCK-EVAL ANALYSES

Rock-Eval analyses
Date of analyses: 05 January 1995
Geochemist: Ian Atkinson

8142	Beagle	Polssonier 1	1025 - 1030 m	425	0.10	0.67	8.92	0.13	0.08	0.06	2.14	31	417	18.00
8143	Beagle	Ronsard 1	2410 - 2425 m	431	0.07	0.66	6.30	0.10	0.10	0.06	1.75	38	360	21.80
8144	Beagle	Ronsard 1	2650 - 2655 m	432	0.16	1.65	10.52	0.09	0.16	0.15	2.42	68	435	19.90
8145	Beagle	Picard 1	11730 - 11750 ft	431	1.18	2.41	0.33	0.33	7.30	0.30	2.21	109	15	12.90
8146	Beagle	Picard 1	11890 - 11950 ft	400	0.55	0.12	0.04	0.82	3.00	0.06	0.56	21	7	12.00
8147	Beagle	Picard 1	12860 ft	432	0.58	1.66	0.43	0.26	3.86	0.19	2.61	64	16	17.80
8148	Beagle	Picard 1	13160 - 13270 ft	437	0.19	0.59	0.00	0.24	0.00	0.06	1.63	36	0	13.70



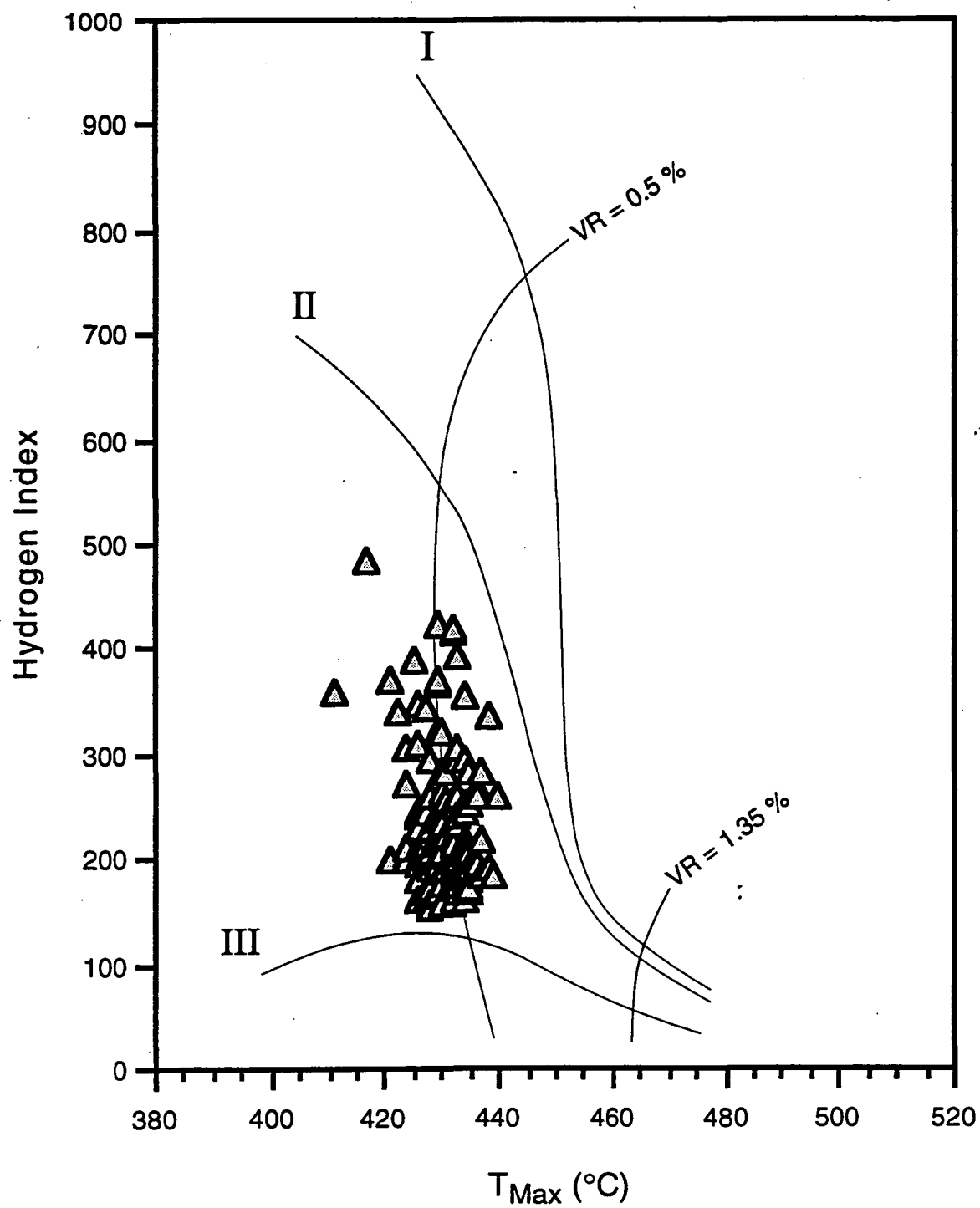
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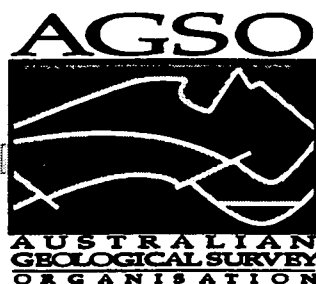
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APPENDIX 5

GEOCHEMISTRY DATABASE SUMMARY

PART 4 - VAN KREVELEN PLOT FOR MODULE AREA





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BASIN MODULE

APPENDIX 6

TWT TABLE FOR TIME SLICES

	B e d o u t	B r u c e	D e p u c h	E m e r m a i d	J a r m a n	K a m b a r a	K e r a u d r e n	L a c e p e d e	L a g r a n g e	M i n i l y a	M i n j i n	N u t t l e	P e a r l	P e r i n d i	P h o e n i x	P h o e n i x	P i c a r d	P o l s o n n l e r	R o n s a r d	T r a f a l i g a r	W a m a c
	1	1	1	1	1	1	1	1 A	1	1	1	1	1	1	1	2	1	1	1	1	1
Cz7	NoData	NoData	NoData	NoData	NoData	Absent	NoData	NoData	NoData	NoData	Absent	NoData	NoData	Absent	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Cz6	NoData	NoData	NoData	NoData	NoData	Absent	NoData	NoData	NoData	NoData	Absent	NoData	ND/Abs	Absent	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Cz5	NoData	NoData	NoData	NoData	0.5082	Absent	NoData	NoData	NoData	NoData	Absent	NoData	ND/Abs	Absent	NoData	NoData	NoData	NoData	0.6744	Unavailable	NoData
Cz4	NoData	NoData	NoData	NoData	0.8208	Absent	NoData	NoData	NoData	NoData	Absent	NoData	ND/Abs	Absent	NoData	NoData	NoData	NoData	1.0346	0.5168	NoData
Cz3	NoData	NoData	NoData	NoData	1.0320	Absent	NoData	NoData	NoData	NoData	Absent	NoData	ND/Abs	Absent	Absent	Absent	NoData	NoData	1.2460	0.8280	NoData
Cz2	0.4260	Absent	1.1022	1.1620	1.0642	Absent	0.4600	NoData	0.6500	0.8584	Absent	0.7504	ND/Abs	Absent	0.6888	0.7190	1.0410	NoData	1.2700	1.0548	NoData
Cz1	0.6038	0.4900	1.2244	1.2980	1.1932	Absent	0.4800	NoData	0.7000	1.0336	Absent	0.8832	ND/Abs	Absent	0.7980	0.8156	1.2058	NoData	1.3396	1.1682	NoData
K11	0.6910	Absent	1.2730	1.3600	1.2768	Absent	0.5000	NoData	0.7964	1.2544	Absent	Absent	ND/Abs	Absent	0.9380	0.9528	Absent	NoData	1.4528	1.2464	NoData
K10	0.8816	0.6600	1.2890	1.3700	1.3034	Absent	0.5046	NoData	0.9376	1.2698	Absent	1.1604	ND/Abs	Absent	0.9576	0.9770	1.3800	0.5958	1.4828	1.2684	NoData
K9	0.9198	0.7500	1.4490	1.4380	1.4806	Absent	0.6658	0.2780	0.9900	1.3904	Absent	1.2550	ND/Abs	Absent	1.1690	1.1760	1.4610	0.6414	1.5910	1.4590	0.3660
K8	0.9594	Absent	1.5092	1.4500	1.5400	Absent	0.5966	Absent	1.0302	1.4044	Absent	Absent	ND/Abs	Absent	1.2108	1.2246	1.4780	Absent	Absent	1.5224	Absent
K7	0.9774	Absent	1.5462	1.4720	1.5580	Absent	0.7362	Absent	1.0424	1.4180	Absent	1.3246	ND/Abs	Absent	1.2404	1.2560	1.4736	Absent	Absent	1.5448	Absent
K6	1.0078	Absent	1.5696	1.5580	1.5826	Absent	0.9082	Absent	Absent	Absent	Absent	ABS/CS	ND/Abs	Absent	A/CS	A/CS	Absent	Absent	1.6162	1.5662	Absent
K5	1.0240	Absent	Absent	1.5900	Absent	Absent	ABS/CS	Absent	Absent	Absent	Absent	ABS/CS	ND/Abs	Absent	A/CS	A/CS	Absent	Absent	Absent	Absent	Absent
K4	1.0320	0.8140	Absent	1.6000	Absent	Absent	0.9570	0.3100	1.0712	Absent	Absent	ABS/CS	ND/Abs	Absent	A/CS	A/CS	Absent	Absent	Absent	Absent	0.3980
K3	1.0740	0.8340	1.5894	1.6440	1.5954	Absent	1.0044	0.3340	1.1078	1.4560	Absent	1.3728	ND/Abs	Absent	1.2580	1.2860	1.4948	0.7254	1.6392	1.5788	0.4426
K2	1.1904	Absent	1.6272	1.7720	1.6144	0.0200	1.0222	0.6280	1.2354	1.4734	unavailable	1.3872	0.0500	unavailable	1.2888	1.3200	1.5362	0.7444	1.6510	1.5980	0.7206
K1	1.2190	0.8508	1.7200	1.9080	1.7136	0.2000	1.0352	0.7930	1.2618	1.4896	0.2400	1.4242	0.2740	unavailable	1.3174	1.3790	1.6336	0.7760	Absent	1.6650	0.8500
J10	Absent	Absent	Absent	Absent	1.8184	0.2500	1.1884	1.0000	Absent	1.5540	0.3400	1.6394	0.2800	unavailable	1.4616	Absent	Absent	0.8366	Absent	1.7492	0.9934
J9	Absent	Absent	Absent	Absent	1.8264	0.3600	1.2404	1.0470	Absent	1.5692	0.4200	Absent	0.4200	unavailable	1.4734	1.4840	Absent	Absent	Absent	Absent	1.1440
J8	Absent	Absent	Absent	Absent	2.1780	1.8642	Absent	ABS/CS	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
J7	Absent	Absent	Absent	Absent	1.8730	Absent	ABS/CS	Absent	Absent	1.5804	Absent	1.6524	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	CS
J6	1.4760	Absent	1.8274	2.1940	1.9348	0.3900	1.2640	1.0730	1.4580	1.6056	0.4500	1.7304	0.5000	unavailable	1.4840	1.4952	1.6546	Absent	Absent	Absent	1.1774
J5	1.6300	Absent	2.2614	2.3360	BTD	Absent	1.4020	1.2150	1.5954	1.6710	Absent	2.1370	Absent	unavailable	1.5846	1.6036	1.8622	Absent	Absent	Absent	1.2946
J4	1.7450	Absent	2.3492	2.4800	BTD	Absent	1.5024	1.3520	1.7082	BTD	Absent	2.2240	Absent	Absent	1.6704	1.6842	1.9588	0.8518	1.6648	1.7574	Absent
J3	1.8276	Absent	2.4826	2.6200	BTD	Absent	1.5672	Absent	1.7722	BTD	Absent	2.3894	Absent	Absent	1.7844	1.8020	2.1276	Absent	1.8638	1.8334	Absent
J2	1.8576	Absent	2.5424	2.6580	BTD	Absent	1.5796	Absent	1.8044	BTD	Absent	2.4680	Absent	Absent	1.8212	1.8386	2.1912	Absent	1.8746	1.8430	Absent
J1	1.9656	Absent	BTD	2.7260	BTD	Absent	1.6254	Absent	1.9052	BTD	Absent	2.6136	Absent	Absent	1.9210	1.9250	2.3986	Absent	BTD	BTD	Absent
Tr6	Absent	Absent	BTD	BTD	BTD	Absent	Absent	Absent	Absent	BTD	Absent	BTD	Absent	Absent	Absent	Absent	BTD	Absent	BTD	BTD	Absent
Tr5	Absent	0.8578	BTD	BTD	BTD	Absent	1.6900	Absent	Absent	BTD	Absent	BTD	Absent	Absent	2.0250	2.0346	BTD	0.9176	BTD	BTD	1.5204
Tr4	Absent	1.1946	BTD	BTD	BTD	Absent	1.8856	Absent	Absent	BTD	Absent	BTD	Absent	Absent	2.2362	2.2338	BTD	0.9522	BTD	BTD	Absent
Tr3	2.0772	1.3964	BTD	BTD	BTD	Absent	2.0606	Absent	2.0470	BTD	Absent	BTD	Absent	Absent	2.3994	2.3938	BTD	1.1190	BTD	BTD	Absent
Tr2	2.1232	1.5620	BTD	BTD	BTD	Absent	2.1784	Absent	Absent	BTD	1.0400	BTD	1.3300	unavailable	2.4782	2.4680	BTD	1.2368	BTD	BTD	Absent
Tr1	Absent	BTD	BTD	BTD	BTD	Absent	BTD	Absent	Absent	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	1.3790	BTD	BTD	Absent
P7	2.1442	BTD	BTD	BTD	BTD	Absent	BTD	Absent	2.0636	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	1.3888	BTD	BTD	Absent
P6	BTD	BTD	BTD	BTD	BTD	Absent	BTD	Absent	BTD	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	BTD	BTD	BTD	Absent
P5	BTD	BTD	BTD	BTD	BTD	Absent	BTD	Absent	BTD	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	BTD	BTD	BTD	Absent
P4	BTD	BTD	BTD	BTD	BTD	Absent	BTD	Absent	BTD	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	BTD	BTD	BTD	Absent
P3	BTD	BTD	BTD	BTD	BTD	0.5300	BTD	Absent	BTD	BTD	0.6200	BTD	0.6200	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	Absent
P2	BTD	BTD	BTD	BTD	BTD	0.6950	BTD	Absent	BTD	BTD	0.6900	BTD	0.7200	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	Absent
P1	BTD	BTD	BTD	BTD	BTD	0.7350	BTD	Absent	BTD	BTD	0.7700	BTD	0.7600	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	Absent
Crb6	BTD	BTD	BTD	BTD	BTD	Absent	BTD	1.4140	BTD	BTD	Absent	BTD	Absent	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	1.5210
Crb5	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	0.8600	Absent	BTD	BTD	BTD	BTD	BTD	BTD	Absent
Crb4	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	Absent	Absent	BTD	BTD	BTD	BTD	BTD	BTD	Absent
Crb3	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	1.2200	Absent	BTD	BTD	BTD	BTD	BTD	BTD	1.6110
Crb2	BTD	BTD	BTD	BTD	BTD	1.1400	BTD	BTD	BTD	BTD	Absent	BTD	1.3400	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	1.6996
Crb1	BTD	BTD	BTD	BTD	BTD	1.2230	BTD	BTD	BTD	BTD	Absent	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	1.7756
D10	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D9	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D8	BTD	BTD	BTD	BTD	BTD	1.2720	BTD	BTD	BTD	BTD	Absent	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D7	BTD	BTD	BTD	BTD	BTD	Absent	BTD	BTD	BTD	BTD	Absent	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D6	BTD	BTD	BTD	BTD	BTD	1.4100	BTD	BTD	BTD	BTD	1.0900	BTD	BTD	Absent	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D5	BTD	BTD	BTD	BTD	BTD	unavailable	BTD	BTD	BTD	BTD	1.1700	BTD	BTD	unavailable	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D4	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D3	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D2	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD
D1	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD	BTD
TD	2.1684	1.6136	2.6486	2.7860	1.9898	unavailable	2.4960	1.5700	2.3260	1.7280	1.2300	2.7060	1.4000	unavailable	2.9714	3.0528	2.5568	1.4420	1.9800	1.8774	1.8560