AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

AUSTRALIAN PETROLEUM SYSTEMS

PETREL SUB-BASIN MODULE

VOLUME 2

APPENDICES

BY

BRUCE MCCONACHIE, MARITA BRADSHAW, SCOTT EDGECOMBE, CLINTON FOSTER, JOHN BRADSHAW, DAVID EVANS, BOB NICOLL & PETER JONES

AGSO RECORD NO 1995/7

APPENDIX: 1

RESFACS DATABASE

APPENDIX 1
HYDROCARBON SHOWS, PORPOSITY, PERMEABILITY AND DEPOSITIONAL ENVIRONMENT DATA
for the wells listed below:-

BARNETT1
BARNETT 2
BARNETT 3
BERKLEY 1
BONAPARTE 1
BOUGAINVILLE 1
CAMBRIDGE 1
CURLEW 1
FLAT TOP 1
FRIGATE 1
GARIMALA 1
GULL 1
KEEP RIVER 1
KINMORE 1
KULSHILL 1
KULSHILL 2
LACROSSE 1
LESUEUR 1
MATILDA 1
MOYLE 1
NINGBING 1
PELICAN ISLAND 1
PENGUIN 1
PETREL 1
PETREL 1A
PETREL 2
PETREL 3
PETREL 4
SANDPIPER 1
SKULL 1
SPIRIT HILL 1
TERN 1
TERN 2
TERN 3
TURTLE 1
TURTLE 2
WEABER 2A

See following pages for codes

Note: where two environment codes are given for the same depth interval the second listed is an alternate interpretation

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 chromotography
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

Barnett 1 -14.530467 129.061359 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8850004 84/945

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
500.00	510.00	166.54	170.37	L1	WCR																
825.00	836.00	271.12	271.69					25.00	27.00	LOGE	OPER										
825.00	846.00	271.12	272.03	L2	LOGM																
825.00	846.00	271.12	272.03	G1	LOGM																
833.50		271.56				24.30				CORE	OTR	112.0					CORE	ACOR			
833.80		271.57										569.0					CORE	ACOR			
833.90		271.58														141.0	CORE	ACOR			
834.10		271.59				20.80				CORE	OTR	30.1					CORE	ACOR			
834.40		271.60										1474.0					CORE	ACOR			
834.70		271.62										66.0					CORE	ACOR			
834.80		271.62										.0					CORE	ACOR			
835.00		271.63				15.80				CORE	OTR	3.2					CORE	ACOR			
835.30		271.65										1.7					CORE	ACOR			
835.60		271.67										26.0					CORE	ACOR			
835.70		271.67														1.9	CORE	ACOR			
835.90		271.68				22.90				CORE	OTR	64.0					CORE	ACOR			
836.00	1306.50	271.69	281.29					25.00	28.00	LOGE	OPER										
836.20		271.70										132.0					CORE	ACOR			
836.60		271.72										527.0					CORE	ACOR			
836.70		271.72														5.9	CORE	ACOR			
836.80		271.73										421.0					CORE	ACOR			
837.10		271.74				24.80				CORE	OTR	578.0					CORE	ACOR			
837.40		271.76										227.0					CORE	ACOR			
837.60		271.77														31.3	CORE	ACOR			
837.70		271.77										1465.0					CORE	ACOR			
838.00		271.79				26.90				CORE	OTR	1337.0					CORE	ACOR			
838.30		271.81										1198.0					CORE	ACOR			
838.60		271.82										844.0					CORE	ACOR			
838.80		271.83														829.0	CORE	ACOR			
838.90		271.84										1296.0					CORE	ACOR			
839.20		271.85				27.00				CORE	OTR	741.0					CORE	ACOR			
839.50		271.87										779.0					CORE	ACOR			
839.60		271.87														448.0	CORE	ACOR			
839.80		271.88										861.0					CORE	ACOR			
840.10		271.90				27.10				CORE	OTR	1356.0					CORE	ACOR			
840.40		271.91										2123.0					CORE	ACOR			
840.50		271.92														927.0	CORE	ACOR			
840.70		271.92										859.0					CORE	ACOR			
841.00		271.93				25.40				CORE	OTR	1241.0					CORE	ACOR			
841.30		271.94										904.0					CORE	ACOR			
841.50		271.94														.8	CORE	ACOR			
841.60		271.94										7.9					CORE	ACOR			
841.90		271.95										580.0					CORE	ACOR			
842.20		271.95				24.60				CORE	OTR	200.0					CORE	ACOR			

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842.50		271.96							755.0		CORE ACOR
842.60		271.96								39.5	CORE ACOR
842.80		271.96							345.0		CORE ACOR
843.10		271.97			27.40		CORE	OTR	761.0		CORE ACOR
843.40		271.98							1581.0		CORE ACOR
843.70		271.98							1487.0		CORE ACOR
843.80		271.98								264.0	CORE ACOR
844.00		271.99			27.30		CORE	OTR	903.0		CORE ACOR
844.30		271.99							974.0		CORE ACOR
844.60		272.00							1443.0		CORE ACOR
844.80		272.00								1177.0	CORE ACOR
844.90		272.01			29.20		CORE	OTR	907.0		CORE ACOR
845.20		272.01			28.60		CORE	OTR	919.0		CORE ACOR
845.50		272.02							1019.0		CORE ACOR
845.80		272.02							1252.0		CORE ACOR
845.90		272.02								1029.0	CORE ACOR
846.10		272.03			28.00		CORE	OTR	1284.0		CORE ACOR
846.40		272.03							1162.0		CORE ACOR
846.70		272.04							1160.0		CORE ACOR
846.90		272.04								589.0	CORE ACOR
847.00		272.05			28.00		CORE	OTR	1025.0		CORE ACOR
847.30		272.05							1279.0		CORE ACOR
847.60		272.06							1227.0		CORE ACOR
847.90		272.06							763.0		CORE ACOR
847.90		272.06								920.0	CORE ACOR
848.20		272.07			28.90		CORE	OTR	921.0		CORE ACOR
848.50		272.07							1067.0		CORE ACOR
848.70		272.08								733.0	CORE ACOR
848.80		272.08							898.0		CORE ACOR
849.10		272.09			28.40		CORE	OTR	1129.0		CORE ACOR
849.40		272.09							1145.0		CORE ACOR
849.60		272.10								1050.0	CORE ACOR
849.70		272.10							1006.0		CORE ACOR
850.00		272.10			27.20		CORE	OTR	879.0		CORE ACOR
850.30		272.11							894.0		CORE ACOR
850.60		272.12							1235.0		CORE ACOR
850.70		272.12								1066.0	CORE ACOR
850.90		272.12							662.0		CORE ACOR
851.20		272.13			27.80		CORE	OTR	1074.0		CORE ACOR
851.50		272.13							888.0		CORE ACOR
851.60		272.14								893.0	CORE ACOR
1306.50	1307.50	281.29	281.31			22.00	LOGE	OPER			
1307.00	1311.00	281.30	281.38	L1	LOGM						
1307.50	1347.00	281.31	282.06			22.00	LOGE	OPER			
1311.20		281.38			21.00		CORE	OTR	433.0		CORE ACOR
1311.50		281.39							579.0		CORE ACOR
1311.60		281.39								300.0	CORE ACOR
1311.80		281.39							503.0		CORE ACOR
1312.10		281.40			22.00		CORE	OTR	425.0		CORE ACOR
1312.40		281.40							490.0		CORE ACOR
1312.60		281.41							314.0		CORE ACOR
1312.70		281.41							408.0		CORE ACOR
1313.00		281.41			21.60		CORE	OTR	559.0		CORE ACOR

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1313.30		281.42								415.0			CORE ACOR
1313.60		281.43								475.0			CORE ACOR
1313.80		281.43										2.8	CORE ACOR
1313.90		281.43								.0			CORE ACOR
1314.20		281.44			7.20			CORE	OTR	.0			CORE ACOR
1314.50		281.44								149.0			CORE ACOR
1314.60		281.44										144.0	CORE ACOR
1314.80		281.45								539.0			CORE ACOR
1315.10		281.45			20.70			CORE	OTR	371.0			CORE ACOR
1315.40		281.46								206.0			CORE ACOR
1315.50		281.46										254.0	CORE ACOR
1315.70		281.46								558.0			CORE ACOR
1316.00		281.47			22.50			CORE	OTR	698.0			CORE ACOR
1316.30		281.48								616.0			CORE ACOR
1316.60		281.48								438.0			CORE ACOR
1402.00	1415.00	283.10	283.35	L1	LOGM								
1402.00	1415.00	283.10	283.35	G1	LOGM								
1503.00	1513.00	286.05	286.38	L1	LOGM								
1503.00	1513.00	286.05	286.38	G1	LOGM								
1519.00	1538.00	286.57	287.19	L1	LOGM								
1519.00	1538.00	286.57	287.19	G1	LOGM								
1535.00	1566.00	287.09	288.10			22.00	25.00	LOGE	OPER				
1538.00		287.19			12.50			CORE	OTR	.0			CORE ACOR
1538.20		287.20										.0	CORE ACOR
1538.30		287.20								.0			CORE ACOR
1538.60		287.21								.0			CORE ACOR
1538.90		287.22								.0			CORE ACOR
1539.10		287.23										.0	CORE ACOR
1539.20		287.23			18.20			CORE	OTR	2.4			CORE ACOR
1539.50		287.24								3.1			CORE ACOR
1539.80		287.25								6.2			CORE ACOR
1540.00		287.26										.0	CORE ACOR
1540.10		287.26			15.90			CORE	OTR	.0			CORE ACOR
1540.40		287.27								4.9			CORE ACOR
1540.70		287.28								.8			CORE ACOR
1541.00		287.29			18.60			CORE	OTR	.0			CORE ACOR
1541.10		287.29										.0	CORE ACOR
1541.30		287.30								.0			CORE ACOR
1541.60		287.31								.0			CORE ACOR
1541.90		287.32								.0			CORE ACOR
1542.10		287.33										.0	CORE ACOR
1542.20		287.33			15.70			CORE	OTR	.0			CORE ACOR
1542.50		287.34								.0			CORE ACOR
1542.80		287.35								.0			CORE ACOR
1543.10		287.36			16.20			CORE	OTR	.0			CORE ACOR
1543.20		287.36										.0	CORE ACOR
1543.40		287.37								.0			CORE ACOR
1543.70		287.38								.0			CORE ACOR
1544.00		287.39			13.50			CORE	OTR	.0			CORE ACOR
1544.20		287.39										.0	CORE ACOR
1544.30		287.40								.0			CORE ACOR
1544.60		287.41								.0			CORE ACOR
1544.70	1546.30	287.41	287.46	G1	LOGM								

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1544.70	1546.30	287.41	287.46	L2	LOGM						
1544.90		287.42							9.7		CORE ACOR
1545.20		287.43				21.00	CORE	OTR	106.0		CORE ACOR
1545.20		287.43								100.0	CORE ACOR
1545.50		287.44							13.3		CORE ACOR
1545.80		287.45							1.7		CORE ACOR
1546.10		287.46				17.90	CORE	OTR	2.2		CORE ACOR
1546.10		287.46								.0	CORE ACOR
1546.40		287.47							8.6		CORE ACOR
1546.70		287.48							.0		CORE ACOR
1547.00		287.49				7.50	CORE	OTR	.0		CORE ACOR
1547.20		287.49								.0	CORE ACOR
1547.30		287.50							.0		CORE ACOR
1547.60		287.50							.0		CORE ACOR
1547.90		287.51							.0		CORE ACOR
1548.10		287.52								.0	CORE ACOR
1548.20		287.52				14.20	CORE	OTR			CORE ACOR
1548.50		287.53							.0		CORE ACOR
1548.80		287.54							.0		CORE ACOR
1549.10		287.55				14.30	CORE	OTR	.0		CORE ACOR
1549.20		287.56								.0	CORE ACOR
1549.50		287.57							.0		CORE ACOR
1549.70	1555.10	287.57	287.75	L2	LOGM						
1549.70	1555.10	287.57	287.75	G1	LOGM						
1549.70		287.57							.7		CORE ACOR
1550.00		287.58				17.10	CORE	OTR	16.6		CORE ACOR
1550.20		287.59								.0	CORE ACOR
1550.30		287.59							7.5		CORE ACOR
1550.60		287.60							1.5		CORE ACOR
1550.80		287.61								.0	CORE ACOR
1550.90		287.61							1.9		CORE ACOR
1551.20		287.62				21.40	CORE	OTR	63.0		CORE ACOR
1551.50		287.63							2.0		CORE ACOR
1552.10		287.65				24.10	CORE	OTR			
1553.00		287.68				21.90	CORE	OTR			
1553.30		287.69							166.0		CORE ACOR
1553.60		287.70							767.0		CORE ACOR
1553.70		287.70								3.2	CORE ACOR
1553.90		287.71							275.0		CORE ACOR
1554.20		287.72				22.60	CORE	OTR	54.0		CORE ACOR
1554.50		287.73							350.0		CORE ACOR
1554.70		287.74								7.2	CORE ACOR
1554.80		287.74							22.1		CORE ACOR
1555.10		287.75				16.20	CORE	OTR	.6		CORE ACOR
1555.40		287.76							3.8		CORE ACOR
1555.70		287.77							.7		CORE ACOR
1555.80		287.77								.0	CORE ACOR
1556.00		287.78				8.80	CORE	OTR	.3		CORE ACOR
1556.30		287.79							.5		CORE ACOR
1556.60		287.80							.5		CORE ACOR
1556.80		287.80								.0	CORE ACOR
1556.90		287.81							.6		CORE ACOR
1557.20		287.82				16.90	CORE	OTR	1.0		CORE ACOR

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1557.50		287.83												4.0						CORE	ACOR	
1557.80		287.84												2.0						CORE	ACOR	
1557.90		287.84																	.0	CORE	ACOR	
1558.10		287.85					16.30					CORE	OTR	2.0						CORE	ACOR	
1558.40		287.86												.0						CORE	ACOR	
1558.70		287.87												.4						CORE	ACOR	
1558.90		287.87																	.0	CORE	ACOR	
1559.00		287.88					10.60					CORE	OTR	.0						CORE	ACOR	
1559.30		287.89												.0						CORE	ACOR	
1559.60		287.90												.0						CORE	ACOR	
1559.80		287.90																	.0	CORE	ACOR	
1559.90		287.91												.0						CORE	ACOR	
1560.20		287.91					10.20					CORE	OTR	.3						CORE	ACOR	
1560.50		287.92												.4						CORE	ACOR	
1560.80		287.93												.6						CORE	ACOR	
1560.90		287.94																	.0	CORE	ACOR	
1561.10		287.94					8.50					CORE	OTR	.0						CORE	ACOR	
1561.40		287.95												.0						CORE	ACOR	
1566.00	1567.00	288.10	288.14					26.00				LOGE	OPER									
1567.00	1569.00	288.14	288.20	L1	LOGM																	
1567.00	1569.00	288.14	288.20	G1	LOGM																	
1568.00	1723.00	288.17	293.21						18.00	20.00		LOGE	OPER									
1723.00	1733.00	293.21	293.54					16.00				LOGE	OPER									
1723.00	1750.00	293.21	294.09	L1	LOGM																	
1723.00	1750.00	293.21	294.09	G1	LOGM																	
1733.00	1780.00	293.54	294.96						15.00	17.00		LOGE	OPER									
1780.00	1956.00	294.96	310.92						14.00	17.00		LOGE	OPER									
1880.00	2016.00	298.84	320.46	L1	LOGM																	
1880.00	2016.00	298.84	320.46	G1	LOGM																	
1956.00	1963.00	310.92	312.03						14.00	16.00		LOGE	OPER									
1963.00	2028.50	312.03	322.44						14.00	17.00		LOGE	OPER									
2028.50	2034.00	322.44	323.32					15.00				LOGE	OPER									
2029.50	2036.00	322.60	323.64	L2	TEST																	
2029.50	2036.00	322.60	323.64	G1	TEST																	
2034.00	2060.00	323.32	327.45						13.00	16.00		LOGE	OPER									
2170.00	2180.00	344.94	346.53	G1	LOGM																	
2170.00	2180.00	344.94	346.53	L1	LOGM																	
2196.00	2245.00	349.07	356.86	G1	LOGM																	

Barnett 1

Statistics

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
Min	500.00	166.54				7.20	15.00	13.00	16.00			0.0				0.0					
Max	2245.00	356.86				29.20	26.00	25.00	28.00			2123.0				1177.0					
No.	241	241		25	25	50	5	9	9	64	64	155				44	200	200			
Mean						20.31	20.20	17.78	20.33			400.9				249.0					

NO ENVIRONMENT CODES ENTERED FOR BARNETT 1, SEE BARNETT 2 AND 3

RESFACS Database

Barnett 2 -14.532316 129.052213 Bonaparte Basin
PEDIN/File numbers: W8890013 89/690

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
22.00	235.00		128.95																			
235.00	300.00	128.95	249.45																CDP		ALL	4
300.00	317.00	249.45	250.35																CDP		ALL	4
317.00	345.00	250.35	251.83																CDD	SMB	ALL	3
345.00	391.00	251.83	254.27																MS		ALL	3
391.00	467.00	254.27	258.30																CDD	SMB	ALL	3
467.00	497.00	258.30	259.89																CDDF		ALL	3
497.00	506.00	259.89	260.36																CDDP		ALL	3
506.00	512.00	260.36	260.68																MS		ALL	3
512.00	518.00	260.68	261.00																MVS	R	ALL	2
518.00	530.00	261.00	261.36																MS		ALL	3
530.00	590.00	261.36	263.16																CDD	SMB	ALL	3
590.00	839.00	263.16	270.64																CDDF		ALL	3
839.00	1121.00	270.64	278.22																CDD		ALL	3
1121.00	1125.00	278.22	278.29																CDE		ALL	3
1125.00	1296.00	278.29	281.27																MVS	R	ALL	3
1296.00	1479.00	281.27	284.47																CDP		ALL	3
1296.00	1479.00	281.27	284.47																LDG		ALL	3
1479.00	1567.00	284.47	286.00																CDP		ALL	3
1479.00	1567.00	284.47	286.00																CDE		ALL	3
1491.00	1497.00	284.67	284.78	L3	TDST																	
1491.00	1497.00	284.67	284.78	L3	TDST																	
1500.50	1506.50	284.84	284.94	L3	TDST																	
1567.00	1692.00	286.00	295.13																LDFB		ALL	3
1567.00	1692.00	286.00	295.13																CDP		ALL	3
1692.00	2029.00	295.13	319.74																LDFM		ALL	3
2029.00	2084.00	319.74	340.00																MS		ALL	3
2084.00	2127.00	340.00	341.36																MVS	R	ALL	2
2127.00	2190.00	341.36	343.35																MS	R	ALL	3
2127.00	2190.00	341.36	343.35																MS	OB	ALL	3
2190.00	2219.00	343.35	344.27																MS		ALL	3
2219.00	2298.00	344.27	346.77																MVS	R	ALL	2
2298.00	2400.00	346.77	350.00																CDP		ALL	3
2393.00	2408.00	349.78	350.02	L3	TDST																	
2393.00	2408.00	349.78	350.02	G2	TDST																	
2400.00	2501.00	350.00	350.24																CDP		ALL	3
2413.50	2421.00	350.03	350.05	L3	TDST																	
2413.50	2421.00	350.03	350.05	G2	TDST																	
2435.00	2500.00	350.08	350.24	G1	LOGM																	
2501.00	2597.00	350.24	350.47																MS		ALL	3
2525.00	2815.00	350.30	350.99	L1	LOGM																	
2525.00	2815.00	350.30	350.99	G1	LOGM																	
2597.00	2818.00	350.47	351.00																CDP		ALL	3

Barnett 2

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	Source	
Min	22.00																					
Max	2818.00	351.00																				
No.	43	42		10	10														33	9	33	
Mean																						

RESFACS Database

Barnett 3 -14.53425 129.05034 Bonaparte Basin PEDIN/File numbers: W8900023 90/851

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	ENVIRONMENT Env	Lndfm	Source	Conf	Pref	Ref	Act
52.00	182.00	0.11	29.45			LEU		LOGG	4	P	1	A
52.00	182.00	0.11	29.45			CDP		LOGG	4	A	1	A
182.00	344.00	29.45	66.01			CDP		LOGG	4	P	1	A
344.00	350.00	66.01	67.36			MVS	R	ALL	2	P	1	A
350.00	389.00	67.36	76.16			CDD	SMB	ALL	3	P	1	A
389.00	404.00	76.16	79.55			CDDF		ALL	3	P	1	A
404.00	418.00	79.55	82.71			CDD	SMB	ALL	3	P	1	A
418.00	462.00	82.71	92.63			CDDF		ALL	3	P	1	A
462.00	502.00	92.63	101.66			CDDP		ALL	3	P	1	A
502.00	507.00	101.66	102.79			MVS	R	ALL	2	P	1	A
507.00	514.00	102.79	104.37			MS		ALL	3	P	1	A
514.00	564.00	104.37	115.65			CDD	SMB	ALL	3	P	1	A
564.00	574.00	115.65	117.91			CDDF		ALL	3	P	1	A
574.00	831.00	117.91	175.90			MS		ALL	3	P	1	A
660.00	720.00	137.32	150.85	L1	LOGM							
660.00	720.00	137.32	150.85	G1	LOGM							
831.00	960.00	175.90	205.01			CDD		ALL	3	P	1	A
951.00	982.00	202.98	209.98	L1	LOGM							
951.00	982.00	202.98	209.98	G1	LOGM							
960.00	1063.00	205.01	228.26			CDE		ALL	3	P	1	A
1046.00	1060.00	224.42	227.58	L1	LOGM							
1046.00	1060.00	224.42	227.58	G1	LOGM							
1063.00	1117.00	228.26	240.44			MVS	R	ALL	2	P	1	A
1117.00	1312.00	240.44	277.54			CDP		ALL	3	P	1	A
1117.00	1312.00	240.44	277.54			LDF		ALL	3	A	1	A
1125.00	1195.00	242.25	258.04	L1	LOGM							
1125.00	1195.00	242.25	258.04	G1	LOGM							
1287.00	1309.00	277.13	277.49	L1	LOGM							
1287.00	1309.00	277.13	277.49	G1	LOGM							
1312.00	1495.00	277.54	280.51			CDE		ALL	3	P	1	A
1312.00	1495.00	277.54	280.51			LDG		ALL	3	P	1	A
1495.00	1590.00	280.51	287.65			CDE		ALL	3	P	1	A
1496.00	1560.00	280.53	282.22	L1	LOGM							
1496.00	1560.00	280.53	282.22	G1	LOGM							
1590.00	1626.00	287.65	294.16			CDE		ALL	3	P	1	A
1626.00	1701.00	294.16	307.73			CDP		ALL	3	P	1	A

Statistics

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	ENVIRONMENT Env	Lndfm	Source	Conf	Pref	Ref	Act
Min	52.00	0.11										
Max	1701.00	307.73										
No.	36	36		12	12	24	6	24				
Mean												

SHOWS & ENVIRONMENT CODES ONLY, MULTIPLE PAGES OF POROSITY & PERMEABILITY DATA PROVIDED DIGITALLY

RESFACS Database

Berkley 1 -14.004331 127.831472 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6820005 82/903

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
75.00	265.00	0.01	270.43																CDP		LOGG	4
265.00	468.00	270.43	275.91																CDD		ALL	3
468.00	692.00	275.91	279.37																CDE		ALL	3
580.00	590.00	277.43	277.61	G1	LOGM																	
692.00	794.00	279.37	281.14																LDG		ALL	3
750.00	840.00	280.38	290.13	G1	LOGM																	
794.00	815.00	281.14	281.50																LDFB		ALL	3
815.00	873.00	281.50	301.53																LEE		ALL	2

Statistics

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	75.00	0.01																				
Max	873.00	301.53																				
No.	8	8		2	2														6		6	
Mean																						

RESFACS Database

Bonaparte 1 -15.016667 128.741667 Bonaparte Basin
PEDIN/File numbers: W6630007 63/1015

Petrel Sub-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	Source	Cf
4.90	194.50	308.95	340.03																			
170.69	192.02	321.30	340.01				22.00	15.00	30.00	LOGS	OPER								CDP		ALL	3
175.67		321.48				26.00				CORE	BMR	1200.0				660.0	CORE	BMR				
194.50	220.70	340.03	340.21																			
195.68	222.50	340.04	340.23				4.00	3.00	5.00	LOGS	OPER								MVS	R	ALL	2
209.50		340.14				4.00				CORE	BMR											
220.70	476.70	340.21	341.99																			
226.16	234.70	340.25	340.31				32.00	26.00	35.00	LOGS	OPER								MS	OB	ALL	3
249.94	254.51	340.42	340.45				22.00	22.00	27.00	LOGS	OPER											
292.71	292.81	340.71	340.71			27.00				CORE	BMR	6.0				61.0	CORE	BMR				
298.70	318.21	340.75	340.89				24.00	20.00	26.00	LOGS	OPER											
341.38	345.03	341.05	341.08				12.00	10.00	14.00	LOGS	OPER											
345.03	347.47	341.08	341.09				13.00	9.00	18.00	LOGS	OPER											
347.47	351.13	341.09	341.12				21.00	19.00	23.00	LOGS	OPER											
383.84	383.94	341.35	341.35			18.50				CORE	BMR	47.0				87.0	CORE	BMR				
390.14	398.07	341.39	341.44				16.00	7.00	21.00	LOGS	OPER											
420.62	459.03	341.60	341.87				15.00	2.00	17.00	LOGS	OPER											
476.70	496.80	341.99	342.13																			
477.11	477.21	341.99	341.99			10.50				CORE	BMR								MVS	R	ALL	2
496.80	640.10	342.13	343.13																			
563.37		342.59				14.50				CORE	BMR								CDP		ALL	3
640.10	1158.20	343.13	346.72																			
733.45		343.77				7.30				CORE	BMR								MS		ALL	3
782.42	784.25	344.11	344.13				23.00			LOGS	OPER											
1158.20	1966.90	346.72	351.04																			
1158.85	1159.76	346.73	346.73				18.00			LOGS	OPER								CDP		ALL	3
1159.76	1161.29	346.73	346.75				18.00			LOGS	OPER											
1161.29	1162.51	346.75	346.75				17.00			LOGS	OPER											
1162.51	1164.34	346.75	346.77				23.00			LOGS	OPER											
1165.86	1165.96	346.78	346.78			8.00				CORE	BMR											
1250.90	1253.34	347.37	347.38				21.00			LOGS	OPER											
1254.56	1256.08	347.39	347.40				20.00			LOGS	OPER											
1272.24	1273.76	347.52	347.53				16.50			LOGS	OPER											
1326.69	1327.10	347.89	347.90			11.00				CORE	BMR											
1398.42	1399.03	348.39	348.40				25.00			LOGS	OPER											
1400.25	1405.13	348.40	348.44				10.50			LOGS	OPER											
1415.49	1417.93	348.51	348.53				35.00			LOGS	OPER											
1433.78	1452.07	348.64	348.76				24.00			LOGS	OPER											
1452.07	1456.94	348.76	348.80				24.00			LOGS	OPER											
1456.94	1461.21	348.80	348.83				18.00			LOGS	OPER											
1463.34	1463.75	348.84	348.85			12.00				CORE	BMR											
1467.41		348.87				9.00				CORE	BMR											
1477.67	1478.58	348.94	348.95				35.00			LOGS	OPER											
1479.50	1480.72	348.95	348.96				27.00			LOGS	OPER											

Bonaparte 1

1500.53	1502.36	349.10	349.11				27.00		LOGS	OPER		
1505.71	1506.32	349.14	349.14				31.00		LOGS	OPER		
1506.32	1508.76	349.14	349.16				24.00		LOGS	OPER		
1591.87	1592.24	349.74	349.74			12.00			CORE	BMR		
1594.91	1595.32	349.76	349.76			6.00			CORE	BMR		
1636.17	1643.48	350.02	350.04				19.00		LOGS	OPER		
1683.59		350.16				4.00			CORE	BMR		
1708.10	1721.51	350.24	350.28				9.00		LOGS	OPER		
1715.11	1736.14	350.26	350.33	G2	TDST							
1775.97	1776.65	350.45	350.45			2.00			CORE	BMR		
1778.00	1779.30	350.46	350.46			6.00			CORE	BMR		
1848.31	1853.18	350.67	350.69				4.00		LOGS	OPER		
1910.41	1910.76	350.86	350.86			4.00			CORE	BMR		
1966.90	2164.10	351.04	351.64								MS	ALL 3
1994.31	1996.44	351.12	351.13				4.00		LOGS	OPER		
2002.84	2005.28	351.15	351.15				3.00		LOGS	OPER		
2011.88	2012.29	351.18	351.18			1.00			CORE	BMR		
2013.20	2013.51	351.18	351.18			5.00			CORE	BMR		
2068.98	2070.81	351.35	351.36				4.00		LOGS	OPER		
2127.50	2131.77	351.53	351.54				7.00		LOGS	OPER		
2129.64	2129.74	351.54	351.54			1.00			CORE	BMR		
2133.60	2135.73	351.55	351.56				3.50		LOGS	OPER		
2164.10	2279.90	351.64	352.00								MS	ALL 3
2205.35	2205.53	351.77	351.77			16.00			CORE	BMR		
2206.55	2206.75	351.77	351.77			8.00			CORE	BMR		
2208.38	2208.58	351.78	351.78			3.00			CORE	BMR		
2279.90	2397.30	352.00	360.47								MS	ALL 3
2397.30	2497.80	360.47	360.88								MS	ALL 3
2400.91	2401.01	360.49	360.49			6.00			CORE	BMR		
2401.31	2401.44	360.49	360.49			9.00			CORE	BMR		
2414.02	3134.26	360.54	363.45	G1	LOGM							
2495.09	2496.01	360.87	360.87				7.00		LOGS	OPER		
2497.80	2529.80	360.88	361.01								MS	CUTT 3
2529.80	2753.90	361.01	361.91								MS	CUTT 3
2534.92	2535.12	361.03	361.03			2.00			CORE	BMR		
2535.33	2535.43	361.03	361.03			5.00			CORE	BMR		
2537.16	2537.26	361.04	361.04			2.00			CORE	BMR		
2688.34	2718.82	361.65	361.77	G1	TDST							
2700.12	2700.32	361.70	361.70			2.00			CORE	BMR		
2700.93	2701.14	361.70	361.70			2.00			CORE	BMR		
2753.90	2822.40	361.91	362.19								CDP	CUTT 3
2766.36	2767.58	361.96	361.97				4.00		LOGS	OPER		
2777.03	2777.95	362.01	362.01				3.50		LOGS	OPER		
2798.06	2801.11	362.09	362.10				6.00		LOGS	OPER		
2822.40	2893.20	362.19	362.48								LDP	CUTT 3
2826.21	2826.41	362.20	362.21			1.00			CORE	BMR		
2893.20	3209.50	362.48	363.81								CDP	CUTT 3
2910.84	2912.06	362.55	362.55				7.00		LOGS	OPER		
2926.08	2929.13	362.61	362.62				7.00		LOGS	OPER		
2935.83	2938.88	362.65	362.66				5.00		LOGS	OPER		
2957.78	2961.44	362.74	362.75				4.00		LOGS	OPER		
2964.48	2969.36	362.76	362.78				7.00		LOGS	OPER		
2996.79	3000.15	362.89	362.91				6.50		LOGS	OPER		

Bonaparte 1

3018.13	3021.18	362.98	362.99		6.00	LOGS	OPER
3093.82		363.29		3.00		CORE	BMR

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	Source
Min	4.90	308.95				1.00	3.00	2.00	5.00			6.0				61.0					
Max	3209.50	363.81				27.00	35.00	26.00	35.00			1200.0				660.0					
No.	99	99		3	3	32	48	10	10	80	80	3				3	3	3	16	3	16
Mean						7.74	15.30	13.30	21.60			417.7				269.3					

RESFACS Database

Bougainville 1 -13.773583 129.041806 Bonaparte Basin Petrel Sub-basin

PEDIN/File numbers: W8720002 72/70

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
49.00	254.00	0.03	71.60																CDP		WCR	3
254.00	317.00	71.60	151.00																MS		ALL	2
317.00	457.00	151.00	213.00																CDP		ALL	4
317.00	457.00	151.00	213.00																LDF		ALL	4
457.00	600.00	213.00	239.00																CDE		ALL	4
600.00	821.00	239.00	241.38																LDFB		ALL	4
821.00	913.00	241.38	242.37																CDP		ALL	4
913.00	1342.00	242.37	247.00																CDE		ALL	3
1036.32	1237.48	243.70	245.87	G1	LOGM																	
1341.12	1536.19	246.99	252.55	G1	LOGM																	
1342.00	1367.00	247.00	247.71																CDD	SMB	ALL	3
1367.00	1415.00	247.71	249.09																CDDF		ALL	3
1415.00	1432.00	249.09	249.57																MVS	R	ALL	2
1432.00	1445.00	249.57	249.94																CDD	SMB	ALL	3
1445.00	1468.00	249.94	250.60																CDDF		ALL	3
1468.00	1494.00	250.60	251.34																CDD	SMB	ALL	3
1494.00	1543.00	251.34	252.74																CDD		ALL	3
1494.00	1543.00	251.34	252.74																CDDL		ALL	3
1543.00	1584.00	252.74	253.91																CDDP		ALL	3
1584.00	1618.00	253.91	254.89																CDD	SMB	ALL	3
1618.00	1735.00	254.89	258.23																CDDF		ALL	3
1735.00	1784.00	258.23	259.63																CDDP		ALL	3
1784.00	1832.00	259.63	261.00																MVS	R	ALL	2
1798.32	2676.14	260.04	281.51	G1	LOGM																	
1832.00	1896.00	261.00	264.10																CDD	SMB	ALL	3
1896.00	1969.00	264.10	267.64																CDDP		ALL	3
1969.00	2367.00	267.64	278.79																CDDF		ALL	3
2367.00	2676.00	278.79	281.50																LDFB		ALL	3
2380.34		278.91				12.30				CORE	GSER	11.5					CORE	GSER				
2380.49	2380.79	278.91	278.92			16.10				CORE	BMR											
2380.56	2380.79	278.91	278.92									7.8				3.6	CORE	BMR				
2380.79		278.92				13.10				CORE	GSER	15.5					CORE	GSER				
2381.25		278.92				12.70				CORE	GSER	45.0					CORE	GSER				
2381.71	2381.86	278.92	278.92			13.30				CORE	BMR	9.9				1.1	CORE	BMR				
2381.86		278.92				11.60				CORE	GSER	5.6					CORE	GSER				
2383.31		278.94				17.20				CORE	CLAB	34.0					CORE	CLAB				
2383.38		278.94				12.60				CORE	GSER	52.0				18.0	CORE	GSER				
2383.80	2383.92	278.94	278.94									5.2					CORE	BMR				
2383.81	2383.92	278.94	278.94			16.50				CORE	BMR											
2385.67		278.96				10.20				CORE	GSER	1.2					CORE	GSER				
2386.13		278.96				12.00				CORE	GSER	1.6					CORE	GSER				
2386.20		278.96				18.50				CORE	BMR											
2386.51	2386.36	278.97	278.96									234.0				41.0	CORE	BMR				
2386.58		278.97				27.00				CORE	GSER											
2386.58													200.0						CORE	GSER		
2386.58		278.97				19.30				CORE	CLAB	159.0					CORE	CLAB				

Bougainville 1

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	Source	
Min	49.00	0.03				10.20						1.2				1.1						
Max	2676.14	281.51				27.00						234.0				41.0						
No.	45	45		3	3	14				14	14	14				4	14	14	25	7	25	
Mean						15.17						55.9				15.9						

RESFACS Database

Cambridge 1 -14.290431 128.432639 Bonaparte Basin
PEDIN/File numbers: W6840006 84/665

Petrel Sub-basin

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
30.00	96.00		125.55																MS		LOGG	4
96.00	108.00	125.55	246.91																CDD	SMB	LOGG	4
108.00	135.00	246.91	248.97																CDDF		LOGG	4
135.00	148.00	248.97	249.85																CDD	SMB	ALL	3
147.00		249.80		L2	SWC																	
147.00		249.80		G1	SWC																	
148.00	173.00	249.85	251.33																CDDF		ALL	3
170.00	210.00	251.15	253.51	G1	LOGM																	
170.00	210.00	251.15	253.51	L2	LOGM																	
173.00	177.00	251.33	251.57																MVS	R	ALL	2
177.00	200.00	251.57	252.92																CDDF		ALL	3
200.00	206.00	252.92	253.28																CDDL		ALL	3
206.00	234.00	253.28	255.18																CDDF		ALL	3
234.00	257.00	255.18	257.51																CDDP		ALL	3
257.00	263.00	257.51	258.61	L2	WCR														MVS	R	ALL	2
257.00	263.00	257.51	258.61	G1	WCR																	
263.00	276.00	258.61	261.00																MS		ALL	3
276.00	289.00	261.00	265.67																CDDF		ALL	3
276.00	360.00	261.00	269.40	L2	WCR																	
276.00	360.00	261.00	269.40	G1	WCR																	
289.00	294.00	265.67	267.46																CDDP		ALL	3
294.00	568.00	267.46	273.93																MS		ALL	3
306.00	453.00	268.23	271.43					10.00	17.00	LOGS	OPER											
360.00	430.00	269.40	270.93	L2	WCR																	
360.00	430.00	269.40	270.93	G1	WCR																	
372.50		269.67		L2	SWC																	
372.50		269.67		G1	SWC																	
413.50		270.57		L2	SWC																	
413.50		270.57		G1	SWC																	
440.00	568.00	271.14	273.93	L2	SWC																	
440.00	568.00	271.14	273.93	G1	SWC																	
456.00	461.00	271.49	271.60					12.00	17.00	LOGS	OPER											
523.50		272.96		L1	SWC																	
523.50		272.96		G1	SWC																	
544.50		273.42		L2	SWC																	
544.50		273.42		G1	SWC																	
550.00		273.54		G1	WCR																	
550.00		273.54		L2	WCR																	
568.00	620.00	273.93	274.77					27.00	34.00	LOGN	OPER											
568.00	620.00	273.93	274.77					27.00	33.00	LOGS	OPER											
568.00	650.00	273.93	275.25	L2	WCR																	
568.00	650.00	273.93	275.25	G1	WCR																	
568.00	698.00	273.93	276.01																CDP		ALL	3
650.00	962.00	275.25	280.13					29.00	36.00	LOGN	OPER											

Cambridge 1

650.00	962.00	275.25	280.13					27.00	34.00	LOGS	OPER												
698.00	1188.00	276.01	283.63																	CDP		ALL	3
850.00	960.00	278.39	280.10	L1	WCR																		
850.00	960.00	278.39	280.10	G1	WCR																		
1000.00	1020.00	280.72	281.03					27.00	31.00	LOGN	OPER												
1000.00	1020.00	280.72	281.03					26.00	30.00	LOGS	OPER												
1150.00	1180.00	283.04	283.51	L1	WCR																		
1150.00	1180.00	283.04	283.51	G1	WCR																		
1188.00	1342.00	283.63	286.00																	LDG	GD	ALL	3
1342.00	1621.00	286.00	306.76																	CDP		ALL	3
1344.00	1396.00	286.15	290.02					23.00	25.00	LOGN	OPER												
1344.00	1396.00	286.15	290.02					21.00	24.00	LOGS	OPER												
1418.00	1543.00	291.66	300.96					21.00	23.00	LOGN	OPER												
1418.00	1543.00	291.66	300.96					19.00	22.00	LOGS	OPER												
1430.00	1490.00	292.55	297.01	L2	WCR																		
1430.00	1490.00	292.55	297.01	G1	WCR																		
1621.00	1663.00	306.76	310.05																	CDP		ALL	3
1627.00	1695.00	307.23	313.30					20.00	22.00	LOGN	OPER												
1627.00	1695.00	307.23	313.30					19.00	21.00	LOGS	OPER												
1663.00	1817.00	310.05	340.00																	MS	OB	ALL	3
1706.00	1769.00	314.51	321.45					18.00	22.00	LOGN	OPER												
1706.00	1769.00	314.51	321.45					18.00	21.00	LOGS	OPER												
1817.00	1850.00	340.00	340.45																	MS	OB	ALL	3
1850.00	1900.00	340.45	341.13																	MVS	R	ALL	2
1852.00	1897.00	340.48	341.09						8.00	LOGN	OPER												
1852.00	1897.00	340.48	341.09					6.00	11.00	LOGS	OPER												
1900.00	1908.00	341.13	341.24																	MS	OB	ALL	3
1908.00	1927.00	341.24	341.50																	MVS	R	ALL	2
1919.50	1924.50	341.40	341.46						11.00	LOGN	OPER												
1919.50	1924.50	341.40	341.46					1.00	10.00	LOGS	OPER												
1927.00	1939.00	341.50	341.66																	MS	OB	ALL	3
1929.00	1939.00	341.53	341.66					12.00	19.00	LOGN	OPER												
1929.00	1939.00	341.53	341.66					10.00	15.00	LOGS	OPER												
1939.00	1980.00	341.66	342.22																	CDP		ALL	3
1980.00	2008.00	342.22	342.60																	LDF	C	ALL	3
1982.00	2005.00	342.25	342.56					1.00	5.00	LOGN	OPER												
1982.00	2005.00	342.25	342.56					1.00	5.00	LOGS	OPER												
2008.00	2214.00	342.60	349.74																	LDF	BS	ALL	3
2214.00	2228.00	349.74	351.95																	LEE		ALL	2

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	Source	
Min	30.00							1.00	5.00													
Max	2228.00	351.95						29.00	36.00													
No.	83	82		30	30			22	24	24	24								30	13	30	
Mean								17.05	20.67													

RESFACS Database

Curlew 1 -11.770556 128.263889 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8740008 73/15

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
235.00	270.00	13.61	18.35																MVS	CSHI	ALL	2
270.00	339.00	18.35	47.10																MS	CSH	LOGG	2
339.00	447.00	47.10	71.22																MS	CSH	LOGG	2
365.76	594.36	66.54	79.14	G1	LOGM																	
447.00	594.00	71.22	79.13																MS	CSH	LOGG	2
594.00	770.00	79.13	87.20																MS	CSH	LOGG	2
595.58		79.20		G1	TFIT																	
595.88	621.79	79.21	80.40	L1	LOGM																	
595.88	621.79	79.21	80.40	G1	LOGM																	
621.79	950.98	80.40	93.00	G1	LOGM																	
770.00	843.00	87.20	90.05																MS	CSH	LOGG	2
843.00	1263.00	90.05	96.91																MS	CSH	LOGG	2
950.98	1048.51	93.00	94.23	L1	LOGM																	
950.98	1048.51	93.00	94.23	G1	LOGM																	
1048.51	1697.74	94.23	103.84	G1	LOGM																	
1263.00	1309.00	96.91	97.49																MS	CSH	LOGG	2
1309.00	1646.00	97.49	102.52																MS	CSH	LOGG	2
1646.00	1718.00	102.52	125.00																MS	CSH	LOGG	2
1697.74	1705.36	103.84	114.03	G1	LOGM																	
1697.74	1705.36	103.84	114.03	L1	LOGM																	
1705.36	1734.31	114.03	128.82	G1	LOGM																	
1718.00	1725.00	125.00	128.02																MSS		LOGG	2
1725.00	1814.00	128.02	135.69																MS	OB	LOGG	2
1729.74		128.43		G1	TFIT																	
1734.31	1748.03	128.82	130.00	L1	LOGM																	
1734.31	1748.03	128.82	130.00	G1	LOGM																	
1735.84		128.95		G1	TFIT																	
1746.50		129.87		G1	TFIT																	
1748.03	2035.45	130.00	164.42	G1	LOGM																	
1814.00	1914.00	135.69	144.91																MS		LOGG	2
1914.00	1986.00	144.91	158.34																MS		LOGG	2
1986.00	2081.00	158.34	165.72																CDD		SWC	3
2081.00	2126.00	165.72	167.00																MS		ALL	3

Statistics

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	235.00	13.61																				
Max	2126.00	167.00																				
No.	34		34		17	17														17	11	17
Mean																						

RESFACS Database

Flat Top 1 -12.376472 129.265528 Bonaparte Basin Darwin Shelf
PEDIN/File numbers: W8700002 N/A

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
55.00	102.00	1.21	32.70																MVS			3
102.00	189.00	32.70	91.00																MVS			3
189.00	247.00	91.00	104.40																MS			3
247.00	321.00	104.40	105.87																MVS	R		2
321.00	412.00	105.87	107.68																MS			3
412.00	608.00	107.68	111.57																MVS	R		2
608.00	730.00	111.57	114.00																MS			3
609.60	914.40	111.61	191.80	G1	LOGM																	
730.00	782.00	114.00	145.03																MS	OB		3
730.00	782.00	114.00	145.03																MS	BB		3
742.19	777.24	125.29	129.90					20.00	30.00	LOGE	OPER											
781.81	978.41	144.93	213.08					25.00	30.00	LOGE	OPER											
782.00	823.00	145.03	163.50																MS			3
823.00	978.00	163.50	213.00																CDE			3
960.12		207.04										450.0					TFIT	OPER				
978.00	1079.00	213.00	232.45																CDE			3
978.41	1274.06	213.08	249.25					24.00	28.00	LOGE	OPER											
1079.00	1113.00	232.45	239.00																CDD	SMB		3
1113.00	1247.00	239.00	247.00																CDE		ALL	3
1113.00	1247.00	239.00	247.00																CDP		ALL	3
1219.20	1524.00	245.34	273.72	G1	LOGM																	
1247.00	1261.00	247.00	248.37																CDD	SMB	ALL	3
1261.00	1304.00	248.37	251.20																CDDF		ALL	3
1261.00	1304.00	248.37	251.20																CDDP		ALL	3
1274.06	1578.86	249.25	274.20					22.00	30.00	LOGE	OPER											
1304.00	1324.00	251.20	252.50																MVS	R	ALL	2
1324.00	1370.00	252.50	255.48																CDD	SMB	ALL	3
1370.00	1405.00	255.48	257.75																CDDF		ALL	3
1405.00	1418.00	257.75	258.60																CDDP		ALL	3
1418.00	1455.00	258.60	261.00																MVS	R	ALL	2
1455.00	1483.00	261.00	273.36																CDD	SMB	ALL	3
1473.40		273.28		G2	TFIT																	
1483.00	1533.00	273.36	273.80																CDDF		ALL	3
1483.00	1533.00	273.36	273.80																CDDP		ALL	3
1533.00	1578.00	273.80	274.19																MVS	R	ALL	3
1578.00	2166.00	274.19	281.37																CDE		ALL	3
1578.86	2165.60	274.20	281.36				15.00			LOGE	OPER											
1588.01		274.28										160.0					TFIT	OPER				
1691.64	1795.27	275.19	276.10	G1	LOGM																	
2166.00	2174.00	281.37	281.50																LEE		ALL	2

Flat Top 1

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	Source	
Min	55.00	1.21					15.00	20.00	28.00			160.0										
Max	2174.00	281.50					15.00	25.00	30.00			450.0										
No.	40	40		4	4		1	4	4	5	5	2					2	2	29	11	16	
Mean							15.00	22.75	29.50			305.0										

RESFACS Database

Frigate 1 -13.179722 127.923611 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6780001 77/1684

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
112.00	265.00		56.10																MVS	R	ALL	2
265.00	332.00	56.10	85.07																CDP		ALL	3
332.00	376.00	85.07	86.42																MS	OB	ALL	3
376.00	1007.00	86.42	134.35																MS		ALL	1
1007.00	1018.00	134.35	140.51																CDDP		ALL	2
1018.00	1119.00	140.51	147.81																CDDF		ALL	3
1021.00		142.18				22.00				LOGS	OPER											
1026.00		144.98				20.90				LOGS	OPER											
1033.00		147.03				26.50				LOGS	OPER											
1041.50		147.11				32.10				LOGS	OPER											
1051.00		147.19				33.20				LOGS	OPER											
1079.50		147.45				26.90				LOGS	OPER											
1097.28	1127.76	147.61	147.88	G1	LOGM																	
1101.00		147.64				29.00				LOGS	OPER											
1119.00	1142.00	147.81	148.01																CDDP		ALL	3
1135.50		147.95				20.00				LOGS	OPER											
1142.00	1241.00	148.01	155.13																CDDF		WCR	2
1158.24	1295.40	148.16	161.33	G1	LOGM																	
1241.00	1506.00	155.13	173.66																CDE	LA	ALL	3
1243.00		155.43				31.00				LOGS	OPER											
1246.00		155.87				22.00				LOGS	OPER											
1269.50		159.08				26.00				LOGS	OPER											
1272.00		159.36				27.50				LOGS	OPER											
1293.50		161.22				18.00				LOGS	OPER											
1302.00		161.72				20.90				LOGS	OPER											
1309.00		162.13				17.50				LOGS	OPER											
1313.00		162.36				15.70				LOGS	OPER											
1336.50		163.74				18.00				LOGS	OPER											
1341.50		164.03				25.30				LOGS	OPER											
1362.00		165.23				21.30				LOGS	OPER											
1382.00		166.40				18.00				LOGS	OPER											
1413.00		168.22				26.90				LOGS	OPER											
1432.00		169.33				19.00				LOGS	OPER											
1439.30		169.76				30.20				LOGS	OPER											
1446.00		170.15				25.70				LOGS	OPER											
1478.50		172.05				23.90				LOGS	OPER											
1488.50		172.64				22.40				LOGS	OPER											
1506.00	1563.00	173.66	177.00																CDP		ALL	3
1510.00		173.90				19.40				LOGS	OPER											
1526.00		174.83				18.30				LOGS	OPER											
1538.50		175.57				16.00				LOGS	OPER											
1547.50		176.09				20.90				LOGS	OPER											
1555.50		176.56				17.50				LOGS	OPER											
1563.00	1585.00	177.00	178.50																LDFL		ALL	3
1567.50		177.31				22.40				LOGS	OPER											

Frigate 1

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	Source	
Min	112.00					15.70																
Max	1585.00	178.50				33.20																
No.	45	44		2	2	32				32	32								11	3	11	
Mean						22.95																

RESFACS Database

Garimala 1 -15.187917 128.726333 Bonaparte Basin
PEDIN/File numbers: W6880030

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
	249.00		346.00																CDP		ALL	3
249.00	398.00	346.00	346.00																MS		ALL	3
398.00	1131.00	346.00	346.00																MS	FD	ALL	4
755.00	774.00	346.00	346.00	L1	LOG																	
775.00	775.50	346.00	346.00	L1	LOG																	
780.00	780.50	346.00	346.00	L1	LOG																	
880.00	880.80	346.00	346.00	L1	LOG																	
886.00	886.50	346.00	346.00	L1	LOG																	
958.00	961.00	346.00	346.00	L1	LOG																	
995.00	1037.00	346.00	346.00	G2	TDST																	
1003.50	1012.50	346.00	346.00	L1	LOG																	
1012.50	1018.00	346.00	346.00	L1	LOG																	
1131.00	1149.00	346.00	346.00	L1	LOG																	
1131.00	1287.00	346.00	346.00																MS	FD	ALL	4
1283.00	1313.00	346.00	346.00	L1	LOG																	
1287.00	1468.00	346.00	346.00																MS	FM	ALL	4
1313.00	1317.50	346.00	346.00	L1	LOG																	
1468.00	1479.00	346.00	346.00																MS	FP	ALL	4
1479.00	1721.00	346.00	346.00																MS	FM	ALL	4
1721.00	1762.00	346.00	346.01																MS	FP	ALL	4
1762.00	1829.00	346.01	346.56																MS	FM	ALL	4
1829.00	1851.00	346.56	346.74																MS	FP	ALL	4
1851.00	1903.00	346.74	347.16																MS	FM	ALL	4
1903.00	1955.00	347.16	347.59																MS	FD	ALL	4
1955.00	1998.00	347.59	347.94																MS	FP	ALL	4
1998.00	2157.00	347.94	349.24																MS	FD	ALL	4
2157.00	2216.00	349.24	349.72																MS	FM	ALL	4
2216.00	2271.00	349.72	353.27																MS	FP	ALL	4
2271.00	2295.00	353.27	357.00																MS	FD	ALL	4
2295.00	2381.00	357.00	370.38																MS	FM	ALL	4
2381.00	2401.00	370.38	373.49	G4	TDST																	
2381.00	2411.00	370.38	375.04																MS	FP	ALL	4
2411.00	2553.00	375.04	397.13																MS	FM	ALL	4

Statistics

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min																						
Max	2553.00	397.13																				
No.	33	32		13	13														20	18	20	
Mean																						

RESFACS Database

Gull 1 -11.941389 127.910278 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6700012 N/A

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
148.00	302.00	0.04	5.68																MS		WCR	3
302.00	381.00	5.68	8.57																MS	R	ALL	1
381.00	417.00	8.57	9.89																MS	OB	ALL	2
417.00	472.00	9.89	38.45																MS	R	ALL	1
472.00	597.00	38.45	68.46																MS	OB	ALL	2
597.00	838.00	68.46	75.14																CDE	LA	ALL	2
597.41	2133.60	68.48	128.04	G1	LOGM																	
838.00	1064.00	75.14	81.05																MS		ALL	2
1064.00	1155.00	81.05	83.01																CDE	LA	ALL	2
1155.00	2094.00	83.01	114.00																MS		ALL	2
1534.21	1534.36	91.16	91.17			25.00				CORE	BMR											
1831.70	1831.85	97.52	97.52			22.00				CORE	BMR											
2094.00	2129.00	114.00	125.00																MS		ALL	2
2129.00	2341.00	125.00	147.89																MS		ALL	2
2133.60	3421.38	128.04	237.03	G1	LOGM																	
2208.12		141.19				12.00				CORE	OPER	70.0					CORE	OPER				
2208.28		141.19				8.00				CORE	OPER	125.0					CORE	OPER				
2209.07	2209.19	141.21	141.22			17.00				CORE	BMR	143.0				64.0	CORE	BMR				
2209.34		141.22				11.00				CORE	OPER	150.0					CORE	OPER				
2211.35	2211.53	141.28	141.29			11.00				CORE	BMR	2.6				6.7	CORE	BMR				
2211.63		141.29				8.50				CORE	OPER	19.0					CORE	OPER				
2211.93	2212.12	141.31	141.31			10.00				CORE	BMR	3.3				3.7	CORE	BMR				
2341.00	2402.00	147.89	155.69																MS		ALL	2
2402.00	2440.00	155.69	160.86																MS		ALL	2
2438.40		160.64				9.20				CORE	OPER	.9					CORE	OPER				
2438.91	2439.09	160.71	160.74			12.00				CORE	BMR	58.0				40.0	CORE	BMR				
2440.00	2545.00	160.86	167.82																CDP		ALL	3
2440.23		160.88				7.41				CORE	OPER	1.2					CORE	OPER				
2441.57	2441.75	160.97	160.98			13.00				CORE	BMR	28.0				22.0	CORE	BMR				
2442.21		161.01				8.10				CORE	OPER	2.2					CORE	OPER				
2545.00	2579.00	167.82	170.06																CDE		ALL	3
2579.00	2615.00	170.06	171.40																CDP		ALL	3
2690.77		174.14				11.00				CORE	OPER	36.0					CORE	OPER				
2691.08		174.15				12.70				CORE	OPER	80.0					CORE	OPER				
2691.23	2691.37	174.15	174.16			12.00				CORE	BMR	30.0				26.0	CORE	BMR				
2691.99		174.18				12.00				CORE	OPER	19.0					CORE	OPER				
2692.15		174.19				11.90				CORE	OPER	23.0					CORE	OPER				
2692.68	2692.89	174.20	174.21			13.00				CORE	BMR	4.6				4.6	CORE	BMR				
2853.28	2853.42	192.80	192.81			11.00				CORE	BMR	9.7				8.3	CORE	BMR				
2853.42	2853.56	192.81	192.83			11.00				CORE	BMR	24.0				23.0	CORE	BMR				
2853.54		192.82				10.00				CORE	OPER	30.0					CORE	OPER				
2854.45		192.90				9.20				CORE	OPER	92.0					CORE	OPER				
2855.82		193.02				8.90				CORE	OPER	30.0					CORE	OPER				
2856.43		193.07				8.40				CORE	OPER	28.0					CORE	OPER				

Gull 1

2856.79	2856.94	193.10	193.12	12.00			CORE	BMR	36.0			21.0	CORE	BMR					
2857.09	2857.22	193.13	193.14	11.00			CORE	BMR	43.0			38.0	CORE	BMR					
2911.00	3033.00	197.78	207.84												CDP		ALL		3
3033.00	3111.00	207.84	213.00												CDE		ALL		3
3042.11	3042.23	208.45	208.45	8.80			CORE	BMR	30.0			9.1	CORE	BMR					
3042.23	3042.36	208.45	208.46	5.20			CORE	BMR	.1			.1	CORE	BMR					
3042.61		208.48		10.90			CORE	OPER	.3				CORE	OPER					
3042.89	3043.05	208.50	208.51	10.00			CORE	BMR	.9			.6	CORE	BMR					
3043.53		208.54		4.00			CORE	OPER	1.0				CORE	OPER					
3044.69	3044.92	208.62	208.63	5.70			CORE	BMR	.8			.3	CORE	BMR					
3044.88		208.63		6.80			CORE	OPER	.5				CORE	OPER					
3111.00	3421.00	213.00	237.00												LDFL		ALL		2
3267.99	3268.19	221.47	221.48	3.90			CORE	BMR	.1			.1	CORE	BMR					
3268.14		221.48		2.20			CORE	OPER	.1				CORE	OPER					
3268.47		221.49		2.20			CORE	OPER	.2				CORE	OPER					
3269.57	3269.77	221.55	221.56	3.20			CORE	BMR	.1			.1	CORE	BMR					
3269.67		221.56		3.15			CORE	OPER	.1				CORE	OPER					
3416.88	3417.10	236.74	236.75	6.80			CORE	BMR	.3			.2	CORE	BMR					
3417.72		236.79		6.80			CORE	OPER	1.1				CORE	OPER					
3418.79	3418.93	236.86	236.87	17.00			CORE	BMR	1.0			3.1	CORE	BMR					
3418.94		236.87							.1				CORE	OPER					

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	Source	
Min	148.00	0.04				2.20						0.1				0.1						
Max	3421.38	237.03				25.00						150.0				64.0						
No.	65	65		2	2	43				43	43	42				19	42	42	19	6	19	
Mean						9.88						26.8				14.3						

RESFACS Database

Keep River 1 -15.168056 129.089444 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8680042 68/2029

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	ENVIRONMENT Cf
	50.00		281.72																			
50.00	218.00	281.72	282.52																CDP		LOGG	3
50.00	218.00	281.72	282.52																LDG		LOGG	3
218.00	286.00	282.52	282.84																CDE		ALL	3
286.00	472.00	282.84	283.72																LDFM		ALL	3
472.00	591.00	283.72	284.29																LDFM		ALL	3
488.59		283.80				17.50				CORE	OPER	.3					CORE	SNPA	CDP		ALL	3
488.90		283.80				14.50				CORE	OPER	.1					CORE	SNPA				
489.20		283.81				10.00				CORE	OPER	.2					CORE	SNPA				
489.51		283.81				14.50				CORE	OPER	.2					CORE	SNPA				
489.81		283.81				3.90				CORE	OPER	.5					CORE	SNPA				
490.12		283.81				15.50				CORE	OPER	147.0					CORE	SNPA				
490.42		283.81				13.40				CORE	OPER	285.0					CORE	SNPA				
490.73		283.81				2.90				CORE	OPER											
491.03		283.82				13.10				CORE	OPER	.1					CORE	SNPA				
491.34		283.82				11.10				CORE	OPER	.1					CORE	SNPA				
491.64		283.82				1.40				CORE	OPER	.1					CORE	SNPA				
491.95		283.82				2.30				CORE	OPER	.1					CORE	SNPA				
492.25		283.82				2.00				CORE	OPER	.1					CORE	SNPA				
492.56		283.82				2.10				CORE	OPER	.1					CORE	SNPA				
492.86		283.82				3.60				CORE	OPER	.1					CORE	SNPA				
591.00	678.00	284.29	284.71																MS		ALL	2
676.96		284.70				12.90				CORE	OPER	54.0					CORE	SNPA				
677.27		284.70				11.60				CORE	OPER	59.0					CORE	SNPA				
677.57		284.70				12.20				CORE	OPER	85.0					CORE	SNPA				
677.88		284.70				13.70				CORE	OPER	127.0					CORE	SNPA				
678.00	756.00	284.71	285.08																CDP		ALL	3
678.18		284.71				14.60				CORE	OPER	110.0					CORE	SNPA				
678.48		284.71				14.60				CORE	OPER	145.0					CORE	SNPA				
678.79		284.71				16.30				CORE	OPER	50.0					CORE	SNPA				
679.09		284.71				15.80				CORE	OPER	29.0					CORE	SNPA				
679.40		284.71				16.30				CORE	OPER	36.0					CORE	SNPA				
679.70		284.71				16.80				CORE	OPER	47.0					CORE	SNPA				
680.01		284.71				16.60				CORE	OPER											
680.31		284.72				16.50				CORE	OPER	35.0					CORE	SNPA				
680.62		284.72				16.10				CORE	OPER	45.0					CORE	SNPA				
756.00	1155.00	285.08	341.13																CDP		ALL	3
926.59		285.89				6.50				CORE	OPER	.1					CORE	SNPA				
926.90		285.89				4.00				CORE	OPER	.1					CORE	SNPA				
927.20		285.89				5.60				CORE	OPER											
927.81		285.89				6.40				CORE	OPER	.9					CORE	SNPA				
929.94		285.90				1.00				CORE	OPER	.1					CORE	SNPA				
1155.00	1785.00	341.13	344.59																MS		ALL	2
1230.48		341.54				2.00				CORE	OPER	.1					CORE	SNPA				

Keep River 1

1232.31		341.55			3.90	CORE	OPER								
1386.84	1524.00	342.40	343.15	G1	LOGM										
1497.18		343.00						.1	CORE	SNPA					
1785.00	1992.00	344.59	345.72								CDP		ALL	3	
1892.81	3093.72	345.18	353.38	G1	LOGM										
1947.06		345.48			3.20	CORE	OPER	.3	CORE	SNPA					
1947.37		345.48			2.30	CORE	OPER								
1947.67		345.48			2.70	CORE	OPER								
1948.59		345.48			2.50	CORE	OPER								
1948.89		345.49			1.70	CORE	OPER	.1	CORE	SNPA					
1949.20		345.49			2.10	CORE	OPER	.1	CORE	SNPA					
1992.00	2497.00	345.72	348.50								MS		ALL	3	
2044.90		346.01			3.10	CORE	OPER	.1	CORE	SNPA					
2045.21		346.01			2.60	CORE	OPER	.1	CORE	SNPA					
2045.51		346.02			2.60	CORE	OPER	.1	CORE	SNPA					
2280.21		347.30			.40	CORE	OPER	.1	CORE	SNPA					
2281.12		347.31			.60	CORE	OPER	.1	CORE	SNPA					
2490.52		348.46			4.00	CORE	OPER								
2491.44		348.46			.40	CORE	OPER	.1	CORE	SNPA					
2491.74		348.47			2.70	CORE	OPER	.1	CORE	SNPA					
2497.00	2719.00	348.50	349.71								MS	OB	ALL	3	
2583.00	3353.00	348.97	356.09	G4	TDST										
2719.00	2771.00	349.71	350.00								CDP		ALL	3	
2720.34		349.72			2.80	CORE	OPER								
2720.64		349.72			.80	CORE	OPER								
2771.00	3222.00	350.00	354.72								MS		ALL	2	
3019.65		352.60			.80	CORE	OPER	.1	CORE	SNPA					
3020.26		352.61			.80	CORE	OPER	.1	CORE	SNPA					
3020.57		352.61			.60	CORE	OPER	.1	CORE	SNPA					
3020.87		352.62			.60	CORE	OPER	.1	CORE	SNPA					
3021.18		352.62			.80	CORE	OPER								
3022.70		352.64			.70	CORE	OPER	.1	CORE	SNPA					
3093.72	4761.89	353.38	368.99	G1	LOGM										
3177.54		354.26			.50	CORE	OPER								
3185.77		354.34						.1	CORE	SNPA					
3186.07		354.35			.60	CORE	OPER	.1	CORE	SNPA					
3186.38		354.35			1.20	CORE	OPER	.4	CORE	SNPA					
3188.51		354.37			.30	CORE	OPER	.1	CORE	SNPA					
3188.82		354.38			.80	CORE	OPER	.5	CORE	SNPA					
3222.00	3446.00	354.72	357.07								CDP		ALL	3	
3413.76		356.73			.50	CORE	OPER	.1	CORE	SNPA					
3414.06		356.73			.40	CORE	OPER	.1	CORE	SNPA					
3414.37		356.74			.70	CORE	OPER	.1	CORE	SNPA					
3414.67		356.74			.60	CORE	OPER	.1	CORE	SNPA					
3414.98		356.74			1.00	CORE	OPER	.1	CORE	SNPA					
3446.00	3571.00	357.07	358.38								CDP		ALL	3	
3493.92		357.57			.80	CORE	OPER	.1	CORE	SNPA					
3494.53		357.58			1.00	CORE	OPER	.1	CORE	SNPA					
3494.84		357.58			.80	CORE	OPER	.1	CORE	SNPA					
3495.45		357.59			.90	CORE	OPER	.1	CORE	SNPA					
3495.75		357.59			.70	CORE	OPER	.1	CORE	SNPA					
3496.06		357.59			.90	CORE	OPER	.1	CORE	SNPA					
3496.36		357.60			.80	CORE	OPER	.1	CORE	SNPA					

Keep River 1

3496.67		357.60		.50	CORE	OPER									
3496.97		357.60		.70	CORE	OPER	.1			CORE	SNPA				
3497.28		357.61		.70	CORE	OPER	.1			CORE	SNPA				
3497.58		357.61		.60	CORE	OPER	.1			CORE	SNPA				
3497.88		357.61		.70	CORE	OPER	.1			CORE	SNPA				
3571.00	3726.00	358.38	360.00									MS		ALL	2
3726.00	4020.00	360.00	362.18									MVS	R	ALL	2
3734.10		360.06		.60	CORE	OPER	.1			CORE	SNPA				
3734.41		360.06		.90	CORE	OPER	.1			CORE	SNPA				
3734.71		360.06		.60	CORE	OPER	.1			CORE	SNPA				
3924.30		361.47		1.60	CORE	OPER									
3924.91		361.48		1.90	CORE	OPER									
3925.21		361.48		1.50	CORE	OPER									
3925.52		361.48		1.90	CORE	OPER									
3925.82		361.48		1.40	CORE	OPER									
3926.13		361.48		1.70	CORE	OPER									
3927.04		361.49		1.60	CORE	OPER									
3927.35		361.49		2.10	CORE	OPER									
3927.65		361.50		1.40	CORE	OPER									
3927.96		361.50		1.20	CORE	OPER									
4020.00	4645.00	362.18	366.82									MVS	R	ALL	2
4102.91		362.80		.90	CORE	OPER									
4103.22		362.80		1.80	CORE	OPER									
4103.52		362.80		.70	CORE	OPER									
4103.83		362.80		.90	CORE	OPER									
4104.13		362.81		.70	CORE	OPER									
4104.44		362.81		1.00	CORE	OPER									
4104.74		362.81		.70	CORE	OPER									
4105.05		362.81		.80	CORE	OPER									
4105.35		362.81		.70	CORE	OPER									
4105.66		362.82		.60	CORE	OPER									
4265.68		364.00		.80	CORE	OPER	.1			CORE	SNPA				
4265.98		364.01		.60	CORE	OPER	.1			CORE	SNPA				
4266.29		364.01		.70	CORE	OPER	.1			CORE	SNPA				
4266.59		364.01		.70	CORE	OPER	.5			CORE	SNPA				
4266.90		364.01		.80	CORE	OPER	.2			CORE	SNPA				
4267.20		364.01		.90	CORE	OPER	.1			CORE	SNPA				
4267.50		364.02		.80	CORE	OPER	.1			CORE	SNPA				
4267.81		364.02		.60	CORE	OPER	.1			CORE	SNPA				
4268.11		364.02		.70	CORE	OPER	.1			CORE	SNPA				
4268.42		364.02		1.00	CORE	OPER	16.8			CORE	SNPA				
4268.72		364.03		1.00	CORE	OPER	.1			CORE	SNPA				
4441.55		365.31		.80	CORE	OPER	.2			CORE	SNPA				
4442.16		365.31		1.20	CORE	OPER	40.0			CORE	SNPA				
4442.46		365.31		.60	CORE	OPER	.1			CORE	SNPA				
4442.76		365.32		.90	CORE	OPER									
4443.68		365.32		1.00	CORE	OPER	.1			CORE	SNPA				
4444.29		365.33		1.30	CORE	OPER	62.0			CORE	SNPA				
4444.90		365.33		.80	CORE	OPER	.1			CORE	SNPA				
4614.37		366.59		.90	CORE	OPER	.1			CORE	SNPA				
4614.67		366.59		1.40	CORE	OPER	2.2			CORE	SNPA				
4614.98		366.59		.30	CORE	OPER	.1			CORE	SNPA				
4615.28		366.60		.50	CORE	OPER	.1			CORE	SNPA				

Keep River 1

4615.59		366.60				.60				CORE	OPER	.2				CORE	SNPA					
4615.89		366.60				1.70				CORE	OPER	31.0				CORE	SNPA					
4616.50		366.61				1.00				CORE	OPER	.2				CORE	SNPA					
4616.81		366.61				.40				CORE	OPER	.1				CORE	SNPA					
4617.11		366.61				.70				CORE	OPER	.1				CORE	SNPA					
4617.42		366.61				.50				CORE	OPER	.1				CORE	SNPA					
4617.72		366.62				.60				CORE	OPER	.1				CORE	SNPA					
4618.02		366.62				.60				CORE	OPER	.1				CORE	SNPA					
4618.33		366.62				.60				CORE	OPER	5.6				CORE	SNPA					
4618.63		366.62				.40				CORE	OPER	.1				CORE	SNPA					
4645.00	4737.00	366.82	367.50															MS	R	ALL	3	
4737.00	4750.00	367.50	368.28															CDP		ALL	4	
4746.96		368.10				.40				CORE	OPER	.2				CORE	SNPA					
4747.26		368.12				.40				CORE	OPER	.1				CORE	SNPA					
4747.56		368.13				.80				CORE	OPER	.1				CORE	SNPA					
4750.00	4762.00	368.28	369.00															LEE		ALL	2	
4759.45		368.85				1.00				CORE	OPER	.1				CORE	SNPA					
4759.76		368.87				.70				CORE	OPER	.2				CORE	SNPA					
4760.06		368.88				.40				CORE	OPER	.1				CORE	SNPA					
4760.37		368.90				1.10				CORE	OPER	.1				CORE	SNPA					
4760.67		368.92				.70				CORE	OPER	.1				CORE	SNPA					
4760.98		368.94				.50				CORE	OPER	.1				CORE	SNPA					
4761.28		368.96				1.00				CORE	OPER	.1				CORE	SNPA					
4761.59		368.98				1.10				CORE	OPER	.1				CORE	SNPA					

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	Source	
Min						0.30						0.1										
Max	4762.00	369.00				17.50						285.0										
No.	174	173		4	4	145				145	145	113					113	113	23	4	23	
Mean						3.22						12.6										

RESFACS Database

Kinmore 1 -14.033614 129.262448 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8740005 74/117

top (m)	base (m)	Ages (Harland)	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
38.00	202.00		240.99																MS		WCR	4
38.00	202.00		240.99																CDP		WCR	4
202.00	275.00	240.99	242.43																CDP		ALL	4
202.00	275.00	240.99	242.43																MS		ALL	4
275.00	403.00	242.43	244.98																MS		ALL	4
403.00	505.00	244.98	247.00																CDP		ALL	4
505.00	529.00	247.00	247.93																CDD	SMB	ALL	4
505.00	847.00	247.00	260.26				31.00			LOGE	OPER											
529.00	562.00	247.93	249.21																CDDF		ALL	4
562.00	569.00	249.21	249.48																MVS	R	ALL	3
569.00	586.00	249.48	250.14																CDDF		ALL	4
586.00	665.00	250.14	253.20																CDD	SMB	ALL	4
665.00	682.00	253.20	253.86																CDDF		ALL	4
682.00	747.00	253.86	256.39																CDD	SMB	ALL	4
747.00	810.00	256.39	258.83																CDDF		ALL	4
810.00	847.00	258.83	260.26																CDDP		ALL	4
847.00	854.00	260.26	260.53																MVS	R	ALL	3
847.00	1321.00	260.26	272.15				22.00			LOGE	OPER											
854.00	866.00	260.53	261.00																CDDP		ALL	4
866.00	891.00	261.00	261.61																CDD	SMB	ALL	3
891.00	906.00	261.61	261.98																CDDF		ALL	4
906.00	1321.00	261.98	272.15																CDP		ALL	3
1250.00	2510.00	270.41	285.72	G1	LOGM																	
1321.00	1795.00	272.15	279.43				19.00			LOGE	OPER								LDFB		ALL	4
1795.00	2294.00	279.43	283.82																LDFM		ALL	4
1795.00	2505.00	279.43	285.67				15.00			LOGE	OPER											
2294.00	2505.00	283.82	285.67																LDFL		ALL	4
2294.00	2505.00	283.82	285.67																LDG		ALL	4
2505.00	2931.00	285.67	314.23				6.50			LOGE	OPER								LDFM		ALL	4
2505.00	2931.00	285.67	314.23																LDFB		ALL	4
2510.00	2700.00	285.72	297.47	G1	LOGM																	
2700.00	3000.00	297.47	319.24	L1	LOGM																	
2700.00	3000.00	297.47	319.24	G1	LOGM																	
2931.00	3038.00	314.23	380.00																LDF		ALL	3
3000.00	3250.00	319.24	471.50	G1	LOGM																	
3038.00	3250.00	380.00	471.50																LDP	SF	ALL	1

Statistics

top (m)	base (m)	Ages (Harland)	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	38.00						6.50															
Max	3250.00	471.50					31.00															
No.	36	34		5	5		5			5	5								28	7	28	
Mean							18.70															

RESFACS Database

Petrel Sub-basin

Kulshill 1 -14.363056 129.5425 Bonaparte Basin
PEDIN/File numbers: W8650002 65/4145

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	Source	Cf
5.00	255.00	267.51	272.38																CDD		ALL	3
255.00	948.00	272.38	281.63																CDP		ALL	3
366.98		274.64				29.00				CORE	SNPA											
427.02		275.25				31.00				CORE	SNPA	760.0					CORE	SNPA				
427.33		275.26				29.30				CORE	SNPA	610.0					CORE	SNPA				
427.63		275.26				31.10				CORE	SNPA	900.0					CORE	SNPA				
427.94		275.26				27.90				CORE	SNPA	490.0					CORE	SNPA				
428.24		275.27				27.10				CORE	SNPA	350.0					CORE	SNPA				
428.55		275.27				27.10				CORE	SNPA	560.0					CORE	SNPA				
428.85		275.27				30.00				CORE	SNPA	610.0					CORE	SNPA				
429.16		275.27				30.50				CORE	SNPA	520.0					CORE	SNPA				
429.46		275.28				30.50				CORE	SNPA	600.0					CORE	SNPA				
429.77		275.28				30.10				CORE	SNPA	700.0					CORE	SNPA				
430.07		275.28				29.10				CORE	SNPA	520.0					CORE	SNPA				
621.79		277.29				23.60				CORE	SNPA	.3					CORE	SNPA				
622.10		277.29				18.80				CORE	SNPA	.1					CORE	SNPA				
622.40		277.30				11.00				CORE	SNPA	.0					CORE	SNPA				
622.71		277.30				5.00				CORE	SNPA	.1					CORE	SNPA				
623.01		277.31				16.30				CORE	SNPA	.3					CORE	SNPA				
623.32		277.31				26.60				CORE	SNPA	8.0					CORE	SNPA				
623.62		277.31				11.20				CORE	SNPA	.1					CORE	SNPA				
623.93		277.32				15.40				CORE	SNPA	.1					CORE	SNPA				
716.28		278.55				23.80				CORE	SNPA											
716.58		278.55				23.60				CORE	SNPA	2.2					CORE	SNPA				
716.89		278.55				25.60				CORE	SNPA	10.2					CORE	SNPA				
717.19		278.56				11.10				CORE	SNPA	.1					CORE	SNPA				
717.50		278.56				8.90				CORE	SNPA	.0					CORE	SNPA				
717.80		278.57				11.50				CORE	SNPA	.0					CORE	SNPA				
718.11		278.57				9.30				CORE	SNPA	.1					CORE	SNPA				
718.41		278.57				21.10				CORE	SNPA	11.0					CORE	SNPA				
718.72		278.58				9.70				CORE	SNPA	.1					CORE	SNPA				
719.02		278.58				29.70				CORE	SNPA	420.0					CORE	SNPA				
719.33		278.59				29.70				CORE	SNPA	440.0					CORE	SNPA				
719.63		278.59				27.40				CORE	SNPA	193.0					CORE	SNPA				
719.94		278.59				28.40				CORE	SNPA	270.0					CORE	SNPA				
720.24		278.60				25.80				CORE	SNPA	210.0					CORE	SNPA				
720.55		278.60				27.20				CORE	SNPA	178.0					CORE	SNPA				
720.85		278.61				25.80				CORE	SNPA	113.0					CORE	SNPA				
777.24		279.36										1.2					CORE	SNPA				
812.29		279.82				27.80				CORE	SNPA	300.0					CORE	SNPA				
812.60		279.83				29.00				CORE	SNPA	450.0					CORE	SNPA				
812.90		279.83				25.80				CORE	SNPA	325.0					CORE	SNPA				
813.21		279.83				27.60				CORE	SNPA											
813.51		279.84				24.20				CORE	SNPA	50.0					CORE	SNPA				

Kulshill 1

813.82		279.84			23.00		CORE	SNPA	188.0		CORE	SNPA					
814.12		279.85			23.40		CORE	SNPA	80.0		CORE	SNPA					
814.43		279.85			24.10		CORE	SNPA	560.0		CORE	SNPA					
814.73		279.85			26.30		CORE	SNPA	300.0		CORE	SNPA					
815.04		279.86			21.50		CORE	SNPA	6.0		CORE	SNPA					
815.34		279.86			19.70		CORE	SNPA	6.0		CORE	SNPA					
815.64		279.87			25.80		CORE	SNPA	170.0		CORE	SNPA					
815.95		279.87			24.40		CORE	SNPA	62.0		CORE	SNPA					
816.25		279.87			24.60		CORE	SNPA	212.0		CORE	SNPA					
816.56		279.88			27.30		CORE	SNPA	330.0		CORE	SNPA					
892.45		280.89							.1		CORE	SNPA					
937.26		281.48			22.00		CORE	SNPA	25.0		CORE	SNPA					
937.56		281.49			18.00		CORE	SNPA	42.0		CORE	SNPA					
937.87		281.49			20.40		CORE	SNPA	100.0		CORE	SNPA					
938.17		281.50			21.80		CORE	SNPA	200.0		CORE	SNPA					
938.48		281.50			23.20		CORE	SNPA	290.0		CORE	SNPA					
938.78		281.50			24.40		CORE	SNPA	400.0		CORE	SNPA					
939.09		281.51			25.00		CORE	SNPA	400.0		CORE	SNPA					
939.39		281.51							400.0		CORE	SNPA					
939.70		281.52			25.10		CORE	SNPA	460.0		CORE	SNPA					
940.00		281.52			25.30		CORE	SNPA	460.0		CORE	SNPA					
940.31		281.52			24.80		CORE	SNPA	440.0		CORE	SNPA					
940.31		281.52			25.30		CORE	SNPA									
940.61		281.53			25.50		CORE	SNPA	460.0		CORE	SNPA					
940.92		281.53			25.60		CORE	SNPA	480.0		CORE	SNPA					
941.22		281.54			25.60		CORE	SNPA	560.0		CORE	SNPA					
941.53		281.54			25.70		CORE	SNPA	560.0		CORE	SNPA					
941.83		281.54			25.80		CORE	SNPA	620.0		CORE	SNPA					
948.00	1036.00	281.63	282.80										LDG		ALL	3	
1036.00	1277.00	282.80	286.00										LDG		ALL	3	
1176.53	1455.42	284.66	295.00	L2	LOGM												
1201.83		285.00			25.80		CORE	SNPA	500.0		CORE	SNPA					
1202.13		285.00			6.60		CORE	SNPA	.0		CORE	SNPA					
1202.44		285.01			5.10		CORE	SNPA	.0		CORE	SNPA					
1202.74		285.01			4.80		CORE	SNPA	.1		CORE	SNPA					
1204.57		285.04			4.40		CORE	SNPA	.0		CORE	SNPA					
1204.87		285.04			7.10		CORE	SNPA	.0		CORE	SNPA					
1205.18		285.05			8.40		CORE	SNPA	.1		CORE	SNPA					
1205.48		285.05			5.90		CORE	SNPA	.0		CORE	SNPA					
1205.79		285.05			8.10		CORE	SNPA	.1		CORE	SNPA					
1206.09		285.06			5.30		CORE	SNPA	.0		CORE	SNPA					
1206.40		285.06			5.30		CORE	SNPA	.0		CORE	SNPA					
1206.70		285.07			5.10		CORE	SNPA	.0		CORE	SNPA					
1231.70		285.40			19.10		CORE	SNPA	62.0		CORE	SNPA					
1232.00		285.40			18.00		CORE	SNPA	71.0		CORE	SNPA					
1232.31		285.41			6.60		CORE	SNPA	.1		CORE	SNPA					
1232.61		285.41			12.60		CORE	SNPA	1085.0		CORE	SNPA					
1232.92		285.41			15.20		CORE	SNPA	30.0		CORE	SNPA					
1233.22		285.42			18.80		CORE	SNPA	113.0		CORE	SNPA					
1233.53		285.42			4.90		CORE	SNPA	.0		CORE	SNPA					
1277.00	1577.00	286.00	301.14										CDP		ALL	3	
1347.22		289.54			8.60		CORE	SNPA	.0		CORE	SNPA					
1347.52		289.56			11.30		CORE	SNPA	.1		CORE	SNPA					

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1347.83		289.57		14.30	CORE	SNPA	2.1	CORE	SNPA				
1348.13		289.59		13.10	CORE	SNPA	.2	CORE	SNPA				
1348.44		289.61		15.20	CORE	SNPA	7.0	CORE	SNPA				
1348.74		289.62		3.70	CORE	SNPA	.1	CORE	SNPA				
1349.04		289.64		3.10	CORE	SNPA	.1	CORE	SNPA				
1456.94		295.08		15.10	CORE	SNPA	138.0	CORE	SNPA				
1457.25		295.10		14.80	CORE	SNPA	125.0	CORE	SNPA				
1457.55		295.11		14.60	CORE	SNPA	138.0	CORE	SNPA				
1457.86		295.13		15.30	CORE	SNPA	100.0	CORE	SNPA				
1458.16		295.14		14.90	CORE	SNPA	270.0	CORE	SNPA				
1458.47		295.16		14.80	CORE	SNPA	330.0	CORE	SNPA				
1458.77		295.17		15.90	CORE	SNPA	290.0	CORE	SNPA				
1459.08		295.19		14.30	CORE	SNPA	125.0	CORE	SNPA				
1459.38		295.20		15.30	CORE	SNPA	670.0	CORE	SNPA				
1459.69		295.22		13.80	CORE	SNPA	500.0	CORE	SNPA				
1459.99		295.23		12.80	CORE	SNPA	385.0	CORE	SNPA				
1460.30		295.25		14.90	CORE	SNPA	590.0	CORE	SNPA				
1460.60		295.27		15.60	CORE	SNPA	1000.0	CORE	SNPA				
1502.05		297.36		10.40	CORE	SNPA	2.0	CORE	SNPA				
1502.36		297.37		4.70	CORE	SNPA							
1502.66		297.39		4.40	CORE	SNPA							
1502.97		297.40		2.90	CORE	SNPA							
1503.27		297.42		11.30	CORE	SNPA	.1	CORE	SNPA				
1503.58		297.43		4.50	CORE	SNPA	.1	CORE	SNPA				
1503.88		297.45		13.10	CORE	SNPA	8.0	CORE	SNPA				
1503.88		297.45					.1	CORE	SNPA				
1504.19		297.47		13.40	CORE	SNPA	.1	CORE	SNPA				
1577.00	1818.00	301.14	311.47							CDP	ALL	3	
1579.47		301.26		10.00	CORE	SNPA	.1	CORE	SNPA				
1579.78		301.28		11.10	CORE	SNPA	.1	CORE	SNPA				
1580.08		301.29		7.00	CORE	SNPA	.1	CORE	SNPA				
1580.39		301.31		7.40	CORE	SNPA	.1	CORE	SNPA				
1580.69		301.33		3.70	CORE	SNPA	.1	CORE	SNPA				
1581.00		301.34		3.00	CORE	SNPA	.1	CORE	SNPA				
1581.30		301.36		3.40	CORE	SNPA	.1	CORE	SNPA				
1597.46		302.17		14.60	CORE	SNPA	35.0	CORE	SNPA				
1597.76		302.19		11.10	CORE	SNPA	48.0	CORE	SNPA				
1598.07		302.20		11.50	CORE	SNPA	42.0	CORE	SNPA				
1598.37		302.22		11.70	CORE	SNPA	15.6	CORE	SNPA				
1598.68		302.23		9.00	CORE	SNPA	113.0	CORE	SNPA				
1598.98		302.25		8.10	CORE	SNPA	4.5	CORE	SNPA				
1599.29		302.26		5.50	CORE	SNPA							
1599.59		302.28		11.60	CORE	SNPA							
1599.90		302.30		11.20	CORE	SNPA	.2	CORE	SNPA				
1633.12		303.97					2.2	CORE	SNPA				
1673.96		306.03		14.90	CORE	SNPA	1.1	CORE	SNPA				
1674.27		306.05		8.50	CORE	SNPA	.1	CORE	SNPA				
1674.57		306.06		14.30	CORE	SNPA	.5	CORE	SNPA				
1674.88		306.08		9.60	CORE	SNPA	.2	CORE	SNPA				
1675.18		306.09		10.00	CORE	SNPA	.1	CORE	SNPA				
1675.49		306.11		11.70	CORE	SNPA	.1	CORE	SNPA				
1675.79		306.12		15.20	CORE	SNPA	.2	CORE	SNPA				
1676.10		306.14		14.70	CORE	SNPA	.1	CORE	SNPA				

Kulshill 1

1676.70		306.16				12.90	CORE	SNPA	.1	CORE	SNPA						
1677.31		306.19				7.80	CORE	SNPA	.1	CORE	SNPA						
1677.62		306.20				16.20	CORE	SNPA	1.2	CORE	SNPA						
1677.92		306.21				15.00	CORE	SNPA	.6	CORE	SNPA						
1782.17		310.15				9.50	CORE	SNPA	.7	CORE	SNPA						
1782.47		310.16				1.50	CORE	SNPA	.1	CORE	SNPA						
1782.78		310.17				12.10	CORE	SNPA	.2	CORE	SNPA						
1783.08		310.18				9.50	CORE	SNPA	.3	CORE	SNPA						
1783.38		310.20				12.90	CORE	SNPA	.8	CORE	SNPA						
1783.69		310.21				12.80	CORE	SNPA									
1783.99		310.22				10.30	CORE	SNPA	.1	CORE	SNPA						
1784.30		310.23				11.00	CORE	SNPA	2.6	CORE	SNPA						
1818.00	1882.00	311.47	313.83											MS		ALL	3
1844.04	1996.44	312.43	318.04	L2	LOGM												
1844.04	1996.44	312.43	318.04	G1	LOGM												
1879.70		313.74				6.20	CORE	SNPA	.1	CORE	SNPA						
1880.01		313.75				6.20	CORE	SNPA	.1	CORE	SNPA						
1880.31		313.76				5.30	CORE	SNPA	1.3	CORE	SNPA						
1880.62		313.78				6.50	CORE	SNPA	.1	CORE	SNPA						
1880.92		313.79				2.30	CORE	SNPA	.3	CORE	SNPA						
1881.23		313.80				5.30	CORE	SNPA	31.0	CORE	SNPA						
1882.00	2044.00	313.83	319.79											MS		ALL	3
1936.39		315.83				10.20	CORE	SNPA	1.2	CORE	SNPA						
1936.70		315.84				10.20	CORE	SNPA	.9	CORE	SNPA						
1937.00		315.85				1.90	CORE	SNPA	.1	CORE	SNPA						
1937.31		315.86				11.60	CORE	SNPA	1.5	CORE	SNPA						
1937.61		315.87				10.80	CORE	SNPA	1.7	CORE	SNPA						
1937.92		315.89				11.00	CORE	SNPA									
2041.25		319.69				23.90	CORE	SNPA	20.0	CORE	SNPA						
2041.55		319.70				24.80	CORE	SNPA	26.0	CORE	SNPA						
2041.86		319.71				24.40	CORE	SNPA	16.2	CORE	SNPA						
2042.16	2164.08	319.72	324.72	L2	LOGM												
2042.16	2164.08	319.72	324.72	G1	LOGM												
2042.16		319.72				24.30	CORE	SNPA	15.2	CORE	SNPA						
2042.46		319.73				16.80	CORE	SNPA	.4	CORE	SNPA						
2042.77		319.75				21.70	CORE	SNPA	4.9	CORE	SNPA						
2043.07		319.76				21.20	CORE	SNPA	4.9	CORE	SNPA						
2043.38		319.77				22.90	CORE	SNPA	8.5	CORE	SNPA						
2043.68		319.78				22.20	CORE	SNPA	9.2	CORE	SNPA						
2043.99		319.79				22.90	CORE	SNPA	16.8	CORE	SNPA						
2044.00	2185.00	319.79	325.80											CDP		ALL	3
2044.29		319.80				22.20	CORE	SNPA	16.0	CORE	SNPA						
2056.18		320.24				9.70	CORE	SNPA	.3	CORE	SNPA						
2056.49		320.25				10.10	CORE	SNPA	.3	CORE	SNPA						
2056.79	4393.39	320.26	370.74	G1	TDST												
2056.79		320.26				9.50	CORE	SNPA	.2	CORE	SNPA						
2057.10		320.27				10.40	CORE	SNPA	.5	CORE	SNPA						
2057.40		320.28				10.10	CORE	SNPA	.4	CORE	SNPA						
2057.70		320.30				11.00	CORE	SNPA	.9	CORE	SNPA						
2058.01		320.31				6.80	CORE	SNPA	.1	CORE	SNPA						
2058.31		320.32				9.80	CORE	SNPA	.2	CORE	SNPA						
2109.22		322.00				10.90	CORE	SNPA	.2	CORE	SNPA						
2109.83		322.00				6.90	CORE	SNPA	.1	CORE	SNPA						

Kulshill 1

2110.13		322.00				8.00		CORE	SNPA	.2		CORE	SNPA				
2110.44		322.00				3.40		CORE	SNPA	.1		CORE	SNPA				
2110.74		322.00				5.50		CORE	SNPA	.1		CORE	SNPA				
2111.04		322.00				7.20		CORE	SNPA	.1		CORE	SNPA				
2111.65		322.02				10.70		CORE	SNPA								
2111.96		322.03				6.50		CORE	SNPA	.1		CORE	SNPA				
2112.26		322.05				11.30		CORE	SNPA	.1		CORE	SNPA				
2112.57		322.07				11.00		CORE	SNPA	.1		CORE	SNPA				
2112.87		322.08				8.30		CORE	SNPA	.1		CORE	SNPA				
2113.18		322.10				2.40		CORE	SNPA	3.8		CORE	SNPA				
2113.48		322.11				3.00		CORE	SNPA	.1		CORE	SNPA				
2164.08	2325.62	324.72	333.06	G1	LOGM												
2164.08	2325.62	324.72	333.06	L1	LOGM												
2185.00	2650.00	325.80	342.92											CDP	ALL	3	
2205.84		326.88				5.20		CORE	SNPA								
2206.14		326.90				1.00		CORE	SNPA	.1		CORE	SNPA				
2206.45		326.91				2.60		CORE	SNPA	.5		CORE	SNPA				
2206.75		326.93				1.70		CORE	SNPA	.1		CORE	SNPA				
2207.06		326.94				2.90		CORE	SNPA	.1		CORE	SNPA				
2207.36		326.96				2.70		CORE	SNPA	2.0		CORE	SNPA				
2207.67		326.97				3.10		CORE	SNPA	31.0		CORE	SNPA				
2207.97		326.99				2.60		CORE	SNPA	.4		CORE	SNPA				
2208.28		327.01				3.30		CORE	SNPA	.4		CORE	SNPA				
2208.58		327.02				3.00		CORE	SNPA	5.4		CORE	SNPA				
2208.89		327.04				4.50		CORE	SNPA	.1		CORE	SNPA				
2209.19		327.05				5.50		CORE	SNPA	1.5		CORE	SNPA				
2365.86		335.14				13.00		CORE	SNPA								
2377.44	2956.56	335.74	347.63	G1	LOGM												
2538.98		341.21				8.00		CORE	SNPA								
2650.00	2728.00	342.92	344.12											CDP	ALL	3	
2688.95		343.52				1.50		CORE	SNPA	.1		CORE	SNPA				
2689.25		343.52				.40		CORE	SNPA	.1		CORE	SNPA				
2689.56		343.53				2.20		CORE	SNPA	.1		CORE	SNPA				
2689.86		343.53				2.90		CORE	SNPA	.1		CORE	SNPA				
2690.16		343.54				1.70		CORE	SNPA	.1		CORE	SNPA				
2691.08		343.55				2.20		CORE	SNPA	.1		CORE	SNPA				
2691.38		343.															
2691.69		343.56				1.40		CORE	SNPA	.1		CORE	SNPA				
2691.99		343.57				.70		CORE	SNPA	.1		CORE	SNPA				
2728.00	3216.00	344.12	351.62											CDP	ALL	3	
2803.86		345.29				2.70		CORE	SNPA	.1		CORE	SNPA				
2804.16		345.29				2.10		CORE	SNPA	.1		CORE	SNPA				
2805.38		345.31				1.50		CORE	SNPA	.1		CORE	SNPA				
2805.68		345.31				1.00		CORE	SNPA	.1		CORE	SNPA				
2805.99		345.32				.70		CORE	SNPA	.1		CORE	SNPA				
2806.29		345.32				.80		CORE	SNPA	.1		CORE	SNPA				
2971.80	4394.00	347.87	370.75	G1	LOGM												
2971.80	4394.00	347.87	370.75	L1	LOGM												
3216.00	3761.00	351.62	360.00											CDP	ALL	3	
3217.47		351.64				2.60		CORE	SNPA	.1		CORE	SNPA				
3217.77		351.65				2.70		CORE	SNPA	.1		CORE	SNPA				
3218.08		351.65				3.40		CORE	SNPA	.1		CORE	SNPA				
3218.38		351.66				4.10		CORE	SNPA	.1		CORE	SNPA				

Kulshill 1

3218.69		351.66		3.90	CORE	SNPA	.1	CORE	SNPA								
3218.99		351.67		4.00	CORE	SNPA	.1	CORE	SNPA								
3332.38		353.41		3.80	CORE	SNPA	.1	CORE	SNPA								
3332.68		353.42		3.40	CORE	SNPA	.1	CORE	SNPA								
3332.99		353.42		4.80	CORE	SNPA	.1	CORE	SNPA								
3333.29		353.42		4.60	CORE	SNPA	.1	CORE	SNPA								
3333.60		353.43		5.00	CORE	SNPA	.1	CORE	SNPA								
3333.90		353.43		5.10	CORE	SNPA	.1	CORE	SNPA								
3334.21		353.44		4.80	CORE	SNPA	.1	CORE	SNPA								
3334.51		353.44		5.10	CORE	SNPA	.1	CORE	SNPA								
3428.70		354.89		1.00	CORE	SNPA	.1	CORE	SNPA								
3429.00		354.90		1.40	CORE	SNPA	.1	CORE	SNPA								
3429.30		354.90		1.20	CORE	SNPA	.1	CORE	SNPA								
3430.22		354.91		1.30	CORE	SNPA	.1	CORE	SNPA								
3430.83		354.92		2.50	CORE	SNPA	.1	CORE	SNPA								
3431.13		354.93		.60	CORE	SNPA	.1	CORE	SNPA								
3526.84		356.40		3.00	CORE	SNPA											
3623.77		357.89		2.50	CORE	SNPA	.1	CORE	SNPA								
3624.07		357.90		2.60	CORE	SNPA	.1	CORE	SNPA								
3624.38		357.90		4.10	CORE	SNPA	.1	CORE	SNPA								
3624.68		357.90		3.10	CORE	SNPA	.1	CORE	SNPA								
3624.99		357.91		1.90	CORE	SNPA	.1	CORE	SNPA								
3625.29		357.91		.60	CORE	SNPA	.1	CORE	SNPA								
3721.30		359.39		3.00	CORE	SNPA											
3761.00	4057.00	360.00	367.50									CDP		ALL		3	
3832.86		361.82		1.00	CORE	SNPA											
4053.84		367.42		.60	CORE	SNPA	.1	CORE	SNPA								
4054.14		367.43		1.10	CORE	SNPA	.1	CORE	SNPA								
4054.45		367.44		1.10	CORE	SNPA	.1	CORE	SNPA								
4054.75		367.44		2.10	CORE	SNPA	.1	CORE	SNPA								
4057.00	4394.00	367.50	370.75									CDP		ALL		3	
4162.35		368.52		1.30	CORE	SNPA	.1	CORE	SNPA								
4162.65		368.52		2.10	CORE	SNPA	.1	CORE	SNPA								
4162.96		368.52		1.40	CORE	SNPA	.1	CORE	SNPA								
4163.26		368.52		1.20	CORE	SNPA	.1	CORE	SNPA								
4163.57		368.53		1.60	CORE	SNPA	.1	CORE	SNPA								
4163.87		368.53		1.00	CORE	SNPA	.1	CORE	SNPA								
4164.18		368.53		.40	CORE	SNPA	.1	CORE	SNPA								
4164.48		368.54		.90	CORE	SNPA	.1	CORE	SNPA								
4164.79		368.54		.40	CORE	SNPA	.1	CORE	SNPA								
4295.85		369.80		.80	CORE	SNPA	.1	CORE	SNPA								
4296.16		369.81		.40	CORE	SNPA	.1	CORE	SNPA								
4391.56		370.73		.70	CORE	SNPA	.1	CORE	SNPA								
4391.86		370.73		.60	CORE	SNPA	.1	CORE	SNPA								
4392.17		370.73		.40	CORE	SNPA	.1	CORE	SNPA								
4392.47		370.74		.50	CORE	SNPA	.1	CORE	SNPA								
4392.78		370.74		.70	CORE	SNPA	.1	CORE	SNPA								
4393.08		370.74		6.50	CORE	SNPA	.1	CORE	SNPA								
4393.39		370.74		.50	CORE	SNPA	.1	CORE	SNPA								
4393.69		370.75		.60	CORE	SNPA	.1	CORE	SNPA								

Kulshill 1

Statistics

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
Min	5.00	267.51			0.40						0.0									
Max	4394.00	370.75			31.10						1085.0									
No.	306	306	11	11	275				275	275	262					262	262	15		15
Mean					11.51						93.4									

RESFACS Database

Kulshill 2 -14.405 129.544444 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8660002 66/4210

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
304.80	1798.32	201.63	327.21	G1	LOGM																
1141.55		314.95				7.13				CORE	OPER	.4					CORE	OPER			
1142.09		315.02				16.20				CORE	OPER	.4					CORE	OPER			
1143.61		315.23				7.30				CORE	OPER	10.0					CORE	OPER			
1144.12		315.25				16.75				CORE	OPER	1.1					CORE	OPER			
1144.83		315.26				13.90				CORE	OPER	.1					CORE	OPER			
1145.51		315.27				14.30				CORE	OPER	.3					CORE	OPER			
1568.20		319.56				11.10				CORE	OPER	.2					CORE	OPER			
1568.42		319.57				4.75				CORE	OPER	.1					CORE	OPER			
1569.42		319.59				7.81				CORE	OPER	3.7					CORE	OPER			
1665.53		322.79				17.21				CORE	OPER	4.3					CORE	OPER			
1665.88		322.80				16.13				CORE	OPER	61.0					CORE	OPER			
1666.04		322.80				19.10				CORE	OPER	.4					CORE	OPER			
1666.27		322.81				4.35				CORE	OPER	.1					CORE	OPER			
1798.32	1959.86	327.21	331.27	L2	LOGM																
1798.32	1959.86	327.21	331.27	G1	LOGM																
1808.07		327.52				2.20				CORE	OPER	1.1					CORE	OPER			
1825.57		327.93				2.86				CORE	OPER	.0					CORE	OPER			
1826.67		327.95				1.90				CORE	OPER	.0					CORE	OPER			
1957.79		330.99				9.33				CORE	OPER	.3					CORE	OPER			
1958.64		331.06				2.80				CORE	OPER	1.7					CORE	OPER			
1959.71		331.24				3.23				CORE	OPER	.0					CORE	OPER			

Statistics

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
Min	304.80	201.63				1.90						0.0									
Max	1959.86	331.27				19.10						61.0									
No.	22	22		3	3	19				19	19	19					19	19			
Mean						9.39						4.5									

NO ENVIRONMENT CODES ENTERED FOR KULSHILL 2 - SEE KULSHILL 1

RESFACS Database

Lacrosse 1 -14.297486 128.582694 Bonaparte Basin Petrel Sub-basin

PEDIN/File numbers: W6690001 68/2053

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	Source	Cf
57.00	154.00	0.01	125.45																MS		ALL	3
154.00	232.00	125.45	243.33																CDDP		ALL	3
232.00	298.00	243.33	247.00																CDDF		ALL	3
298.00	304.00	247.00	247.27																CDD	SMB	ALL	3
304.00	333.00	247.27	248.59																CDDF		ALL	3
333.00	338.00	248.59	248.81																MVS	R	ALL	3
338.00	363.00	248.81	249.94																CDDF		ALL	3
363.00	539.00	249.94	257.92																CDDL	IDB	ALL	3
533.40	1828.80	257.67	289.72	G1	LOGM																	
539.00	585.00	257.92	260.00																CDDF		ALL	3
539.00	585.00	257.92	260.00																CDDP		ALL	3
585.00	594.00	260.00	260.41																MVS	R	ALL	3
594.00	607.00	260.41	261.00																CDDF		ALL	3
607.00	649.00	261.00	263.13																CDD	SMB	ALL	3
649.00	671.00	263.13	264.24																CDDP		ALL	3
671.00	736.00	264.24	267.53																CDD	SMB	ALL	3
736.00	940.00	267.53	269.16																MS		ALL	3
736.00	940.00	267.53	269.16																CDDF		ALL	3
940.00	1219.00	269.16	277.00																CDD		ALL	3
1219.00	1494.00	277.00	275.45																CDE		ALL	3
1494.00	1880.00	275.45	291.74																LDFL		ALL	3
1494.00	1880.00	275.45	291.74																LDG		ALL	3
1714.20	1758.70	274.21	286.94	L2	TDST																	
1740.41	1742.54	281.97	280.38	G1	LOGM																	
1740.41	1742.54	281.97	280.38	L2	LOGM																	
1742.54	1756.41	280.38	286.85	G1	LOGM																	
1742.54	1756.41	280.38	286.85	L2	LOGM																	
1742.87	1743.00	280.13	280.04			13.00				CORE	BMR	.5				.1	CORE	BMR				
1743.68	1743.81	279.53	279.43									.2				.5	CORE	BMR				
1745.13		278.45				16.96				CORE	OPER	514.4					CORE	GSER				
1745.44		278.22				10.65				CORE	OPER	14.2					CORE	GSER				
1745.59	1745.77	278.11	277.97			17.00				CORE	BMR											
1745.59	1745.79	278.11	277.96									64.0				23.0	CORE	BMR				
1745.74		278.00				15.44				CORE	OPER	95.6					CORE	GSER				
1746.17	1746.35	277.67	277.54			16.00				CORE	BMR											
1746.18	1746.35	277.67	277.54									211.0					CORE	BMR				
1746.35		277.54				9.41				CORE	OPER	244.6					CORE	GSER				
1746.91	1747.11	277.12	276.97			15.00				CORE	BMR	11.0				7.0	CORE	BMR				
1746.96		277.09				12.79				CORE	OPER	131.5					CORE	GSER				
1747.27		276.85				5.46				CORE	OPER											
1749.63	1749.75	275.10	275.01			22.00				CORE	BMR											
1749.66		275.07										23.0				7.0	CORE	BMR				
1750.16		274.70				21.20				CORE	OPER	9.0					CORE	GSER				
1750.31	1750.48	274.59	274.46			16.00				CORE	BMR											

Lacrosse 1

1750.31	1750.49	274.59	274.45								2.0				.8	CORE	BMR				
1750.55	1751.69	274.41	286.66								275.0				336.0	CORE	BMR				
1751.48	1751.69	286.65	286.66			21.00				CORE	BMR										
1752.60		286.70				23.60				CORE	OPER	10.4				CORE	GSER				
1752.83	1743.81	286.71	279.43			16.00				CORE	BMR										
1753.72	1753.90	286.74	286.75			20.00				CORE	BMR										
1753.72	1753.94	286.74	286.75								426.0				193.0	CORE	BMR				
1754.89	1755.06	286.79	286.79			16.00				CORE	BMR	.8			.3	CORE	BMR				
1756.82	1756.97	286.86	286.87			22.00				CORE	BMR										
1756.84	1756.97	286.87	286.87								337.0				2.0	CORE	BMR				
1757.32		286.88				12.00				CORE	OPER										
1757.32		286.88										70.6				CORE	GSER				
1880.00	2384.00	291.74	309.75															LDFB		ALL	3
2384.00	2702.00	309.75	320.55															LDFM		ALL	3
2384.00	2768.00	309.75	340.00															MVS		ALL	3
2702.00	2702.00	320.55	320.55															CDP		ALL	3
2748.23		325.77				1.09				CORE	OPER	.1				CORE	GSER				
2753.56		329.60				1.09				CORE	OPER										
2753.72		329.72										.1				CORE	GSER				
2768.00	2853.00	340.00	341.49															MVS	CSH	ALL	3
2823.39	2823.64	340.97	340.97			2.00				CORE	BMR										
2825.34	2825.50	341.00	341.01			2.00				CORE	BMR										
2826.76	2827.02	341.03	341.03			2.00				CORE	BMR										
2853.00	3054.00	341.49	345.00															MVS	R	ALL	3

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	Source	=
Min	57.00	0.01				1.09						0.1				0.1						
Max	3054.00	345.00				23.60						514.4				336.0						
No.	68	68		6	6	25			25		25	21				10	21	21	27	8	27	
Mean						13.19						116.2				57.0						

RESFACS Database

Petrel Sub-basin

Lesueur 1 -13.952617 128.125628 Bonaparte Basin
PEDIN/File numbers: W6800039 80/492

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf =
58.00	355.00		247.73																CDDF		ALL	4
311.50		245.85										.1					CORE	CLAB				
355.00	403.00	247.73	249.80																CDDP		ALL	4
400.00	3190.00	249.67	341.25	G1	LOGM																	
403.00	418.00	249.80	250.40																MVS	R	ALL	3
418.00	475.00	250.40	252.59																CDDF		ALL	4
475.00	525.00	252.59	254.51																CDD	SMB	ALL	4
525.00	548.00	254.51	255.17																CDDF		ALL	4
548.00	552.00	255.17	255.24																MVS		ALL	4
552.00	602.00	255.24	256.10																CDD	SMB	ALL	4
602.00	655.00	256.10	257.00																CDDP		ALL	4
655.00	664.00	257.00	257.16																MVS	R	ALL	3
664.00	685.00	257.16	261.00																CDDP		ALL	4
685.00	760.00	261.00	265.83																CDD	SMB	ALL	4
760.00	786.00	265.83	266.36																CDDP		ALL	4
786.00	1044.00	266.36	269.66																MVS		ALL	4
1044.00	1389.00	269.66	258.60																CDP		ALL	4
1389.00	1580.00	258.60	278.15																LDFM		ALL	4
1580.00	1650.00	278.15	279.68																CDP		ALL	4
1650.00	1690.00	279.68	280.55																MS	R	ALL	4
1690.00	1813.00	280.55	283.23																LDG		ALL	4
1813.00	1940.00	283.23	286.00																MS	GD	ALL	4
1813.00	1940.00	283.23	286.00																LDG	GD	ALL	4
1940.00	2040.00	286.00	288.71																LDFB		WCR	4
2040.00	2472.00	288.71	300.39																LDFB		WCR	4
2472.00	2715.00	300.39	306.97																LDFB	AF	ALL	4
2572.00	2580.00	303.10	303.32	L1	WCR																	
2572.00	2580.00	303.10	303.32	G1	WCR																	
2715.00	2800.00	306.97	309.98																CDD		ALL	4
2800.00	3000.00	309.98	322.00																CDD		ALL	4
2882.50		314.90				5.60				LOGS	OPER											
2882.50		314.90				5.00				LOGN	OPER											
2882.50		314.90				5.50				LOGD	OPER											
2885.50		315.08				8.60				LOGS	OPER											
2885.50		315.08				9.10				LOGD	OPER											
2888.00		315.23				7.80				LOGS	OPER											
2888.00		315.23				6.00				LOGN	OPER											
2888.00		315.23				9.10				LOGD	OPER											
2892.50		315.51				6.30				LOGS	OPER											
2892.50		315.51				6.50				LOGN	OPER											
2892.50		315.51				9.10				LOGD	OPER											
2893.50		315.57				2.60				LOGS	OPER											
2893.50		315.57				6.00				LOGN	OPER											
2893.50		315.57				8.50				LOGD	OPER											

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2894.50	315.63	7.80	LOGS	OPER
2894.50	315.63	6.00	LOGN	OPER
2894.50	315.63	9.10	LOGD	OPER
2899.50	315.93	7.10	LOGS	OPER
2899.50	315.93	6.50	LOGN	OPER
2899.50	315.93	9.10	LOGD	OPER
2902.50	316.11	6.30	LOGS	OPER
2902.50	316.11	7.00	LOGN	OPER
2902.50	316.11	12.10	LOGD	OPER
2905.50	316.29	6.30	LOGS	OPER
2905.50	316.29	6.00	LOGN	OPER
2905.50	316.29	9.10	LOGD	OPER
2911.00	316.62	5.60	LOGS	OPER
2911.00	316.62	6.50	LOGN	OPER
2911.00	316.62	9.70	LOGD	OPER
2914.50	316.84	7.10	LOGS	OPER
2914.50	316.84	8.00	LOGN	OPER
2914.50	316.84	11.50	LOGD	OPER
2916.00	316.93	7.10	LOGS	OPER
2916.00	316.93	8.00	LOGN	OPER
2916.00	316.93	12.10	LOGD	OPER
2918.50	317.08	6.30	LOGS	OPER
2918.50	317.08	6.50	LOGN	OPER
2918.50	317.08	9.70	LOGD	OPER
2919.50	317.14	5.60	LOGS	OPER
2919.50	317.14	6.50	LOGN	OPER
2919.50	317.14	9.70	LOGD	OPER
2922.50	317.32	5.60	LOGS	OPER
2922.50	317.32	7.50	LOGN	OPER
2922.50	317.32	11.50	LOGD	OPER
2923.50	317.38	5.60	LOGS	OPER
2923.50	317.38	6.50	LOGN	OPER
2923.50	317.38	9.10	LOGD	OPER
2924.50	317.44	7.10	LOGS	OPER
2924.50	317.44	7.50	LOGN	OPER
2924.50	317.44	11.50	LOGD	OPER
2925.50	317.50	7.10	LOGS	OPER
2925.50	317.50	8.00	LOGN	OPER
2925.50	317.50	10.90	LOGD	OPER
2926.50	317.56	6.30	LOGS	OPER
2926.50	317.56	6.00	LOGN	OPER
2926.50	317.56	9.10	LOGD	OPER
2927.50	317.62	6.30	LOGS	OPER
2927.50	317.62	7.50	LOGN	OPER
2927.50	317.62	11.50	LOGD	OPER
2930.00	317.77	6.30	LOGS	OPER
2930.00	317.77	7.00	LOGN	OPER
2930.00	317.77	11.50	LOGD	OPER
2931.00	317.83	5.60	LOGS	OPER
2931.00	317.83	6.00	LOGN	OPER
2931.00	317.83	9.10	LOGD	OPER
2932.00	317.89	4.90	LOGS	OPER
2932.00	317.89	6.00	LOGN	OPER

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2932.00		317.89				7.30	LOGD	OPER							
2933.50		317.98				5.60	LOGS	OPER							
2933.50		317.98				5.00	LOGN	OPER							
2933.50		317.98				8.50	LOGD	OPER							
2934.50		318.04				5.60	LOGS	OPER							
2934.50		318.04				7.00	LOGN	OPER							
2934.50		318.04				10.30	LOGD	OPER							
2952.00	2965.00	319.10	319.89	L1	WCR										
2952.00	2965.00	319.10	319.89	G1	WCR										
3000.00	3057.00	322.00	340.00									CDD		ALL	4
3057.00	3096.00	340.00	340.37									MVS	R	ALL	3
3065.50		340.08				2.80	LOGS	OPER							
3065.50		340.08				1.30	LOGD	OPER							
3095.50		340.36				7.80	LOGS	OPER							
3095.50		340.36				2.50	LOGN	OPER							
3095.50		340.36				3.90	LOGD	OPER							
3096.00	3180.00	340.37	341.16									MS	OB	ALL	3
3098.00	3111.00	340.39	340.51	L1	WCR										
3098.00	3111.00	340.39	340.51	G1	WCR										
3100.50		340.41		G2	TFIT	14.20	LOGS	OPER							
3100.50		340.41		G2	TRFT	7.00	LOGN	OPER							
3100.50		340.41				12.00	LOGD	OPER							
3104.00		340.44				8.50	LOGS	OPER							
3104.00		340.44				2.53	LOGN	OPER							
3104.00		340.44				4.80	LOGD	OPER							
3108.50		340.48		G2	TFIT										
3109.00		340.49				12.10	LOGS	OPER							
3109.00		340.49				6.00	LOGN	OPER							
3109.00		340.49				10.00	LOGD	OPER							
3111.10		340.51				7.50	CORE	CLAB	.1		CORE CLAB				
3111.20	3115.00	340.51	340.55	L2	CORE										
3111.20	3115.00	340.51	340.55	G1	CORE										
3111.40		340.51				8.60	CORE	CLAB	.1		CORE CLAB				
3111.70		340.51				9.70	CORE	CLAB	.6		CORE CLAB				
3112.00		340.52				9.80	CORE	CLAB	.3		CORE CLAB				
3112.30		340.52				9.50	CORE	CLAB	.2		CORE CLAB				
3112.60		340.52				9.50	CORE	CLAB	.6		CORE CLAB				
3112.90		340.53				10.10	CORE	CLAB	1.5		CORE CLAB				
3113.20		340.53				9.50	CORE	CLAB	.2		CORE CLAB				
3113.50		340.53				9.30	CORE	CLAB	.2		CORE CLAB				
3113.80		340.53				9.20	CORE	CLAB	.2		CORE CLAB				
3114.10		340.54				9.50	CORE	CLAB	.1		CORE CLAB				
3114.40		340.54				10.10	CORE	CLAB	.2		CORE CLAB				
3114.70		340.54				4.80	CORE	CLAB	.0		CORE CLAB				
3115.00		340.55				2.50	CORE	CLAB	.1		CORE CLAB				
3115.30		340.55				4.10	CORE	CLAB	.1		CORE CLAB				
3115.60		340.55				7.20	CORE	CLAB							
3115.90		340.55				7.90	CORE	CLAB	.4		CORE CLAB				
3116.20		340.56				3.10	CORE	CLAB	.1		CORE CLAB				
3116.50		340.56				4.70	CORE	CLAB	.0		CORE CLAB				
3116.80		340.56				2.40	CORE	CLAB	.2		CORE CLAB				
3117.00		340.56				6.40	LOGS	OPER							
3117.00		340.56				5.00	LOGN	OPER							

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3117.00		340.56				5.10	LOGD	OPER									
3117.10		340.56				6.70	CORE	CLAB	.0			CORE	CLAB				
3117.40		340.57				5.20	CORE	CLAB	.1			CORE	CLAB				
3117.70		340.57				2.90	CORE	CLAB	.3			CORE	CLAB				
3118.20	3135.00	340.58	340.73	L1	WCR												
3118.20	3135.00	340.58	340.73	G1	WCR												
3125.00		340.64				7.10	LOGS	OPER									
3125.00		340.64				5.00	LOGN	OPER									
3125.00		340.64				5.80	LOGD	OPER									
3146.50		340.84				9.90	LOGS	OPER									
3146.50		340.84				2.50	LOGN	OPER									
3146.50		340.84				6.30	LOGD	OPER									
3149.00		340.86				7.10	LOGS	OPER									
3149.00		340.86				3.50	LOGN	OPER									
3149.00		340.86				5.00	LOGD	OPER									
3155.00		340.92				2.10	LOGS	OPER									
3161.50		340.98				9.90	LOGS	OPER									
3161.50		340.98				2.00	LOGN	OPER									
3161.50		340.98				5.10	LOGD	OPER									
3178.00		341.14		G2	TFIT	5.70	LOGS	OPER									
3178.00		341.14				4.00	LOGN	OPER									
3178.00		341.14				7.70	LOGD	OPER									
3178.20		341.14		G2	TRFT												
3180.00	3384.00	341.16	343.07											MVS	R	ALL	3
3188.00		341.23				4.30	LOGS	OPER									
3195.00	3589.00	341.30	345.00	L1	LOGM												
3195.00	3589.00	341.30	345.00	G1	LOGM												
3215.00		341.48				9.50	LOGN	OPER									
3215.00		341.48				4.80	LOGD	OPER									
3227.00		341.60				3.50	LOGS	OPER									
3227.00		341.60				11.00	LOGN	OPER									
3227.00		341.60				6.90	LOGD	OPER									
3236.00		341.68				3.50	LOGS	OPER									
3236.00		341.68				8.50	LOGN	OPER									
3236.00		341.68				4.60	LOGD	OPER									
3240.00	3285.00	341.72	342.14	G2	TDST												
3251.50		341.83				8.50	LOGN	OPER									
3251.50		341.83				4.50	LOGD	OPER									
3266.50		341.97				5.00	LOGS	OPER									
3286.00		342.15				3.50	LOGS	OPER									
3305.00		342.33				2.10	LOGS	OPER									
3325.00		342.52		L1	TFIT												
3325.00		342.52		G2	TFIT												
3325.50		342.52				13.50	LOGS	OPER									
3325.50		342.52				3.00	LOGN	OPER									
3325.50		342.52				6.60	LOGD	OPER									
3326.50		342.53				9.20	LOGS	OPER									
3326.50		342.53				1.50	LOGN	OPER									
3326.50		342.53				5.00	LOGD	OPER									
3333.00		342.59				7.10	LOGS	OPER									
3333.00		342.59				5.00	LOGN	OPER									
3333.00		342.59				5.10	LOGD	OPER									
3340.00		342.66				6.50	LOGN	OPER									

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3340.00		342.66				9.60				LOGD	OPER											
3343.50		342.69				7.10				LOGS	OPER											
3351.50		342.77				1.40				LOGS	OPER											
3351.50		342.77				5.00				LOGN	OPER											
3351.50		342.77				2.30				LOGD	OPER											
3353.50		342.79				7.80				LOGS	OPER											
3356.50		342.81				12.00				LOGS	OPER											
3362.50		342.87				5.70				LOGS	OPER											
3362.50		342.87				8.50				LOGN	OPER											
3362.50		342.87				10.80				LOGD	OPER											
3370.50		342.95				7.80				LOGS	OPER											
3370.50		342.95				7.50				LOGN	OPER											
3370.50		342.95				11.30				LOGD	OPER											
3381.00		343.05				3.40				LOGS	OPER											
3382.00		343.05				8.60				LOGS	OPER											
3384.00	3418.00	343.07	343.39															MS	OB	ALL	3	
3384.70		343.08		G2	TRFT																	
3385.00		343.08		L1	TFIT																	
3385.00		343.08		G2	TFIT																	
3391.00	3392.00	343.14	343.15	L1	CORE																	
3391.00	3392.00	343.14	343.15	G1	CORE																	
3391.30		343.14				8.10				CORE	CLAB	.1				CORE	CLAB					
3391.60		343.14				14.20				CORE	CLAB	25.0				CORE	CLAB					
3391.90		343.15				9.90				CORE	CLAB	.2				CORE	CLAB					
3392.20		343.15				14.30				CORE	CLAB	21.0				CORE	CLAB					
3392.60		343.15				15.60				CORE	CLAB	156.0				CORE	CLAB					
3392.90		343.16				6.80				CORE	CLAB	8.9				CORE	CLAB					
3393.30		343.16				15.20				CORE	CLAB	275.0				CORE	CLAB					
3393.60		343.16				17.50				CORE	CLAB	569.0				CORE	CLAB					
3394.00		343.17				12.90				CORE	CLAB	19.0				CORE	CLAB					
3394.30		343.17				7.40				CORE	CLAB	.1				CORE	CLAB					
3394.60		343.17				17.30				CORE	CLAB	21.9				CORE	CLAB					
3394.90		343.18				14.90				CORE	CLAB	1.0				CORE	CLAB					
3395.20		343.18				4.00				CORE	CLAB	.1				CORE	CLAB					
3418.00	3479.00	343.39	343.97															MVS	R	ALL	3	
3418.00	3479.00	343.39	343.97															MVS	OB	ALL	3	
3479.00	3525.00	343.97	344.40															MVS	OB	ALL	3	
3525.00	3589.00	344.40	345.00															MVS	R	ALL	3	
3525.00	3589.00	344.40	345.00															MVS	OB	ALL	3	
3533.00		344.47		L1	TFIT																	
3533.00		344.47		G2	TFIT																	
3542.50		344.56		L1	TFIT																	
3542.50		344.56		G2	TFIT																	

Statistics

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	58.00					1.30						0.0										
Max	3589.00	345.00				17.50						569.0										
No.	246	245		30	30	182				182	182	36					36	36	36	18	36	
Mean						7.32						30.6										

RESFACS Database

Petrel Sub-basin

Matilda 1 -14.454828 128.749747 Bonaparte Basin
PEDIN/File numbers: W6850001 85/112

top (m)	base (m)	Ages (Harland)	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	ENVIRONMENT Cf
22.00	285.00		271.30																CDDP		LOGG	4
285.00	382.00	271.30	273.59																CDDP		ALL	3
305.00	370.00	271.78	273.33	L1	WCR																	
305.00	370.00	271.78	273.33	G1	WCR																	
382.00	532.00	273.59	275.99																CDD		ALL	3
395.00	410.00	273.82	274.08	L1	WCR																	
395.00	410.00	273.82	274.08	G1	WCR																	
395.50	463.00	273.83	274.93					33.00	36.00	LOGN	OPER											
395.50	463.00	273.83	274.93					29.00	31.00	LOGS	OPER											
532.00	598.00	275.99	277.00																LDF		ALL	3
545.00	590.00	276.19	276.88					33.00	37.00	LOGN	OPER											
545.00	590.00	276.19	276.88					23.00	28.00	LOGS	OPER											
598.00	853.00	277.00	281.37																LDF		ALL	3
617.00	633.00	277.33	277.60					28.00	40.00	LOGN	OPER											
617.00	633.00	277.33	277.60					24.00	25.00	LOGS	OPER											
699.00	796.00	278.73	280.39					27.00	30.00	LOGN	OPER											
699.00	796.00	278.73	280.39					26.00	28.00	LOGS	OPER											
820.00	900.00	280.81	282.18					18.00	31.00	LOGN	OPER											
820.00	900.00	280.81	282.18					20.00	28.00	LOGS	OPER											
853.00	984.00	281.37	283.62																LDFL		ALL	3
984.00	1096.00	283.62	285.54																LDG	GD	ALL	3
1096.00	1483.00	285.54	297.58																CDE		ALL	3
1106.00	1240.00	285.71	289.77					19.00	24.00	LOGN	OPER											
1106.00	1240.00	285.71	289.77					17.00	26.00	LOGS	OPER											
1267.00	1480.00	290.63	297.49					14.00	17.00	LOGN	OPER											
1267.00	1480.00	290.63	297.49					13.00	20.00	LOGS	OPER											
1483.00	1799.00	297.58	307.75																CDD		ALL	3
1483.00	1799.00	297.58	307.75																CSF		ALL	3
1495.00	1585.00	297.97	300.87					14.00	17.00	LOGN	OPER											
1495.00	1585.00	297.97	300.87					12.00	15.00	LOGS	OPER											
1630.00	1725.00	302.32	305.37					14.00	17.00	LOGN	OPER											
1630.00	1725.00	302.32	305.37					13.00	15.00	LOGS	OPER											
1768.00	1798.00	306.76	307.72					15.00	18.00	LOGN	OPER											
1768.00	1798.00	306.76	307.72					13.00	15.00	LOGS	OPER											
1799.00	1858.00	307.75	311.93																CDP		ALL	3
1858.00	1948.00	311.93	322.00																MS	OB	ALL	3
1863.00	1970.00	312.49	326.26					15.00	20.00	LOGN	OPER											
1863.00	1970.00	312.49	326.26					14.00	18.00	LOGS	OPER											
1948.00	2041.00	322.00	340.00																MS		ALL	3
2003.00	2035.00	332.65	338.84					14.00	18.00	LOGN	OPER											
2003.00	2035.00	332.65	338.84					12.00	14.00	LOGS	OPER											
2041.00	2148.00	340.00	342.00																MVS	R	ALL	2
2148.00	2217.00	342.00	343.28																MS	R	ALL	2
2148.00	2217.00	342.00	343.28																MS	OB	ALL	2
2217.00	2309.00	343.28	345.00																LDP	MF	ALL	3

Matilda 1
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	Source
Min	22.00							12.00	14.00												
Max	2309.00	345.00						33.00	40.00												
No.	45	44		4	4			24	24	24	24								17	6	17
Mean								19.17	23.67												

RESFACS Database

Moyle 1 -14.319444 129.775278 Bonaparte Basin
PEDIN/File numbers: W8660003 66/4214

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
131.98		281.50			30.10				CORE	OPER	180.0					CORE	SNPA			
132.28		281.50			33.50				CORE	OPER										
132.59		281.50			31.80				CORE	OPER										
243.54		281.50			32.50				CORE	OPER	60.0					CORE	SNPA			
243.84		281.50			33.30				CORE	OPER	168.0					CORE	SNPA			
244.14		281.50			23.40				CORE	OPER	4.7					CORE	SNPA			
244.45		281.50			14.70				CORE	OPER	2.0					CORE	SNPA			
309.98		281.50			20.60				CORE	OPER										
310.29		281.50			18.30				CORE	OPER	.1					CORE	SNPA			
310.59		281.50			22.30				CORE	OPER	14.8					CORE	SNPA			
310.90		281.50			17.30				CORE	OPER	1.1					CORE	SNPA			
311.20		281.50			7.00				CORE	OPER	.0					CORE	SNPA			
404.47		281.50			24.00				CORE	OPER										
405.38		281.50			14.60				CORE	OPER										
405.69		281.50			12.80				CORE	OPER										
405.99		281.50			11.00				CORE	OPER										
406.30		281.50			15.20				CORE	OPER										
406.60		281.50			15.50				CORE	OPER										
407.21		281.50			14.70				CORE	OPER										
499.26		281.50			14.50				CORE	OPER										
499.57		281.50			14.70				CORE	OPER										
500.18		281.50			14.60				CORE	OPER										
500.48		281.50			14.40				CORE	OPER										
500.79		281.50			9.90				CORE	OPER										
501.09		281.55			10.00				CORE	OPER	.0					CORE	SNPA			
501.40		281.72			9.60				CORE	OPER										
501.70		281.89			11.30				CORE	OPER										
502.01		282.07			5.30				CORE	OPER	.0					CORE	SNPA			

Statistics

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
Min	131.98	281.50			5.30						0.0									
Max	502.01				33.50						180.0									
No.	28	28			28				28	28	11					11	11			
Mean					17.75						39.2									

NO ENVIRONMENT CODES ENTERED FOR MOYLE 1, early Permian glacials over basement

RESFACS Database

Ningbing 1 -15.182 128.680833 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6820098

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
6.00	21.00	345.00	345.07																CDP		LOGG	3
21.00	305.00	345.07	346.48																MS		ALL	2
305.00	380.00	346.48	346.86																MS		LOGG	2
380.00	495.00	346.86	347.43																MU		LOGG	2
495.00	512.00	347.43	347.51																MS		LOGG	3
512.00	862.00	347.51	349.25																MBA		LOGG	3
862.00	905.00	349.25	349.46																MBA	TFD	LOGG	3
905.00	985.00	349.46	349.86																MBA		LOGG	3
985.00	1013.00	349.86	355.00																MBA		LOGG	3
1001.88	1071.99	349.94	362.04	L3	TDST																	
1013.00	1184.00	355.00	365.91																MS	R	ALL	1
1013.00		355.00		L3	CORE																	
1184.00	1230.00	365.91	367.50																MS		LOGG	2
1230.00	1269.00	367.50	369.00																CDP	BR	ALL	1

Statistics

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	6.00	345.00																				
Max	1269.00	369.00																				
No.	14	14		2	2														12	3	12	
Mean																						

RESFACS Database

Pelican Island 1 -14.771944 128.774167 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6720005 72/868

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
9.00	162.00	281.70	311.76																LDFB		ALL	4
152.40	390.75	311.21	339.89				27.00	24.00	30.00	LOGE	OPER											
162.00	351.00	311.76	322.00																CDP		ALL	4
231.65	381.00	315.73	335.50	L1	WCR																	
351.00	391.00	322.00	340.00																MVS		ALL	3
390.75	600.46	339.89	341.50				22.50	7.50	32.00	LOGE	OPER											
391.00	407.00	340.00	340.11																MVS	R	ALL	3
407.00	452.00	340.11	340.44																CDP		ALL	4
407.00	452.00	340.11	340.44																MVS		ALL	4
452.00	469.00	340.44	340.56																MVS	R	ALL	3
469.00	600.00	340.56	341.49																CDP		ALL	4
469.00	600.00	340.56	341.49																MVS		ALL	4
582.17	1002.79	341.37	344.37	G1	WCR																	
600.00	632.00	341.49	341.72																MVS		ALL	3
600.46	856.49	341.50	343.32				13.00	2.00	23.00	LOGE	OPER											
632.00	856.00	341.72	343.32																MVS	R	ALL	3
856.00	1035.00	343.32	355.89																MVS		ALL	3
856.49	1791.31	343.32	438.05				14.00	7.00	30.00	LOGE	OPER											
1002.79	1371.60	344.37	353.27	G1	WCR																	
1035.00	1047.00	355.89	355.80																MVS	R	ALL	3
1047.00	1791.00	355.80	394.00																MVS		ALL	3
1211.28		354.52		G1	WCR																	
1371.60	1981.20	353.27	471.55	G1	WCR																	
1791.00	1981.00	394.00	471.50																CDP	SF	ALL	2

Statistics

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	9.00	281.70					13.00	2.00	23.00													
Max	1981.20	471.55					27.00	24.00	32.00													
No.	24	24		5	5		4	4	4	4	4								15	5	15	
Mean							19.13	10.13	28.75													

RESFACS Database

Penguin 1 -13.607778 128.468333 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6720025 N/A

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
103.00	241.00		14.63																MS		ALL	4
240.79	377.95	14.61	29.19				22.00	18.00	27.00	LOGE	OPER											
241.00	378.00	14.63	60.10																CDP		ALL	4
378.00	777.00	60.10	114.63																MS		ALL	3
777.00	803.00	114.63	145.02																MSS		ALL	3
802.84	1131.11	145.00	213.01				26.00	14.00	30.00	LOGE	OPER											
802.84	1131.11	145.00	213.01				33.00	21.00	41.00	LOGE	OPER											
803.00	861.00	145.02	152.38																MS		ALL	3
861.00	1131.00	152.38	213.00																CDP		ALL	4
1131.00	1279.00	213.00	226.09																LDFM		ALL	4
1131.11	1278.64	213.01	226.06				24.00	18.00	27.00	LOGE	OPER											
1131.11	1278.64	213.01	226.06				30.00	20.00	49.00	LOGE	OPER											
1278.64	1562.10	226.06	243.58				24.00	13.00	30.00	LOGE	OPER											
1278.64	1562.10	226.06	243.58				24.00	15.00	34.00	LOGE	OPER											
1279.00	1544.00	226.09	243.12																LDFB		ALL	4
1544.00	1611.00	243.12	244.27																LDDF		ALL	4
1611.00	2098.00	244.27	247.00																LDDP		ALL	4
2097.94	2111.65	247.00	247.44				11.00	13.00	19.00	LOGE	OPER											
2097.94	2111.65	247.00	247.44				15.00	3.00	25.00	LOGE	OPER											
2098.00	2111.00	247.00	247.42																CDD	SMB	ALL	3
2111.00	2146.00	247.42	248.54																CDDF		ALL	3
2146.00	2161.00	248.54	249.02																MVS	R	ALL	3
2147.01	2157.37	248.57	248.91				18.00	9.00	38.00	LOGE	OPER											
2147.01	2157.37	248.57	248.91				5.00	2.00	9.00	LOGE	OPER											
2157.98	2444.50	248.93	258.13				16.00	2.00	24.00	LOGE	OPER											
2157.98	2444.50	248.93	258.13				19.00	13.00	30.00	LOGE	OPER											
2161.00	2204.00	249.02	250.40																CDD	SMB	ALL	3
2204.00	2256.00	250.40	252.07																CDDF		ALL	3
2256.00	2345.00	252.07	254.93																CDD	SMB	ALL	3
2345.00	2351.00	254.93	255.12																CDDF		ALL	3
2351.00	2367.00	255.12	255.64																CDD	SMB	ALL	3
2367.00	2379.00	255.64	256.02																CDDF		ALL	3
2379.00	2444.00	256.02	258.11																CDD	SMB	ALL	3
2444.00	2493.00	258.11	259.68																CDDP		ALL	3
2492.35	2509.42	259.66	260.21				13.00	6.00	22.00	LOGE	OPER											
2492.35	2509.42	259.66	260.21				7.00	5.00	10.00	LOGE	OPER											
2492.35	2509.42	259.66	260.21				15.00	7.00	29.00	LOGE	OPER											
2493.00	2513.00	259.68	260.33																MVS	R	ALL	3
2513.00	2534.00	260.33	261.00																CDDF		ALL	3
2534.00	2545.00	261.00	261.39																CDD	SMB	ALL	3
2534.11	2543.86	261.00	261.35				23.00	7.00	34.00	LOGE	OPER											
2534.11	2543.86	261.00	261.35				30.00	23.00	55.00	LOGE	OPER											
2534.11	2543.86	261.00	261.35				24.00	12.00	36.00	LOGE	OPER											
2534.11	2543.86	261.00	261.35				18.00	11.00	23.00	CORE	OPER											

Penguin 1

2534.72		261.03		G4	TFIT																		
2539.90		261.21		G4	TFIT																		
2545.00	2558.00	261.39	261.85																	CDDF		ALL	4
2548.13	2560.32	261.50	261.93	G1	LOGM																		
2548.13	2566.42	261.50	262.15					12.00	5.00	16.00	LOGE	OPER											
2548.13	2566.42	261.50	262.15					20.00	15.00	25.00	LOGE	OPER											
2548.13	2566.42	261.50	262.15					32.00	26.00	44.00	LOGE	OPER											
2548.13		261.50					15.00				CORE	OPER		.2					CORE	SNPA			
2549.12	2549.27	261.53	261.54				17.30				CORE	BMR		18.0				15.0	CORE	BMR			
2549.96	2550.11	261.56	261.57				14.50				CORE	BMR											
2549.98	2550.11	261.57	261.57											2.3				1.9	CORE	BMR			
2550.77	2550.89	261.59	261.60				15.20				CORE	BMR											
2550.81	2550.90	261.59	261.60											.3				.1	CORE	BMR			
2553.64	2553.80	261.69	261.70											3.4				1.7	CORE	BMR			
2553.66	2553.80	261.70	261.70				21.70				CORE	BMR											
2555.14		261.75					17.00				CORE	OPER		.2					CORE	SNPA			
2555.87	2556.94	261.77	261.81											.1				.1	CORE	BMR			
2556.78	2556.91	261.81	261.81				11.00				CORE	BMR											
2556.81	2556.69	261.81	261.80											.1				.1	CORE	BMR			
2558.00	2759.00	261.85	269.06																		MS	ALL	4
2559.02	2559.10	261.89	261.89				23.00				CORE	BMR		2.0				.4	CORE	BMR			
2560.32		261.93					22.00				CORE	OPER		3.8					CORE	SNPA			
2562.07	2562.23	261.99	262.00				21.20				CORE	BMR		1.1					CORE	BMR			
2564.48	2566.11	262.08	262.14											.7				.6	CORE	BMR			
2566.01	2566.11	262.13	262.14				21.10				CORE	BMR											
2566.42	2753.87	262.15	268.78					8.00	3.00	12.00	LOGE	OPER											
2566.42	2753.87	262.15	268.78					15.00	7.00	21.00	LOGE	OPER											
2566.42		262.15					23.90				CORE	OPER		2.8					CORE	SNPA			

Statistics

top (m)	base (m)	Ages (Harland	mA)	SHOWS Show	Srce	POROSITY Spot	Aver	Min	Max	Srce	Authr	PERMEABILITY Spot	Aver	Min	Max	KV	ENVIRONMENT Srce	Auth	Env	Lndfm	Source	
Min	103.00					11.00	5.00	2.00	9.00			0.1				0.1						
Max	2759.00	269.06				23.90	33.00	26.00	55.00			18.0				15.0						
No.	72	71		3	3	12	25	25	25	37	37	13				8	13	13	26	8	26	
Mean						18.58	19.36	11.52	28.40			2.7				2.5						

RESFACS Database

Petrel 1 -12.826389 128.474194 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8690003 69/2001

top (m)	base (m)	Ages (Harland)	Ages mA	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
134.00	415.00	0.17	60.10																			
415.00	536.00	60.10	94.60																MS		ALL	3
536.00	1295.00	94.60	114.00																MS		ALL	2
758.83	758.92	99.95	99.95			47.00				CORE	BMR								MS		ALL	2
760.25	760.45	99.96	99.97			2.60				CORE	BMR											
1063.74	1063.83	102.32	102.32			7.60				CORE	BMR											
1295.00	1329.00	114.00	126.02																			
1328.93	1571.24	126.00	144.16				9.00	27.00		LOGE	OPER								MSS		ALL	3
1329.00	1503.00	126.02	143.00																			
1373.43	1373.64	139.52	139.53																CDP	B	ALL	3
1373.43	1373.66	139.52	139.53			18.10				CORE	BMR	130.0				85.0	CORE	BMR				
1373.43		139.52				18.00				CORE	OPER											
1374.34		139.57				26.00				CORE	OPER											
1374.62	1374.77	139.59	139.59			14.30				CORE	BMR	12.0				23.0	CORE	BMR				
1375.87		139.65				10.00				CORE	OPER											
1503.00	1543.00	143.00	143.47																CDE		ALL	3
1543.00	1571.00	143.47	144.15																CDP		ALL	3
1571.00	1820.00	144.15	149.42																MS		ALL	3
1584.96		144.49				5.80				CORE	OPER											
1584.98	1585.11	144.49	144.50			15.70				CORE	BMR	.2				.1	CORE	BMR				
1585.26		144.50				13.80				CORE	SNPA											
1586.94	1587.09	144.53	144.53			16.90				CORE	BMR	1.7				.4	CORE	BMR				
1587.09		144.53				12.20				CORE	SNPA											
1587.70		144.54				14.30				CORE	SNPA											
1588.50	1588.66	144.55	144.55			14.70				CORE	BMR	.1				.1	CORE	BMR				
1588.92		144.56				13.00				CORE	SNPA											
1589.53		144.56				12.20				CORE	SNPA											
1590.14	1590.26	144.57	144.58									.3				.1	CORE	BMR				
1590.14	1590.29	144.57	144.58			15.60				CORE	BMR											
1590.14		144.57				11.00				CORE	SNPA											
1590.45		144.58										.1					CORE	SNPA				
1590.75		144.58				5.40				CORE	OPER											
1591.21	1591.33	144.59	144.59			16.30				CORE	BMR	.2				.1	CORE	BMR				
1591.36		144.59				11.00				CORE	SNPA											
1819.66	2157.98	149.42	189.77				10.00	24.00		LOGE	OPER											
1820.00	2229.00	149.42	213.00																CDP		ALL	3
1967.35	1967.48	161.94	161.94			23.10				CORE	BMR											
1967.36	1967.48	161.94	161.94									359.0				382.0	CORE	BMR				
1967.48		161.94				19.00				CORE	OPER	21.5					CORE	SNPA				
1967.79		161.96				24.50				CORE	SNPA											
1968.25	1968.38	161.98	161.98			24.30				CORE	BMR	631.0				490.0	CORE	BMR				
1968.70		162.00				20.00				CORE	OPER	154.0					CORE	SNPA				
1969.16	1969.30	162.02	162.02			23.90				CORE	BMR	714.0				576.0	CORE	BMR				
1969.62		162.03				25.10				CORE	SNPA											

Petrel 1

1969.72	1969.89	162.04	162.05			22.10					CORE	BMR	586.0			377.0	CORE	BMR					
1970.07		162.05											140.0					CORE	SNPA				
1970.23		162.06				19.60					CORE	OPER											
1970.58	1970.76	162.08	162.08			22.90					CORE	BMR	913.0			463.0	CORE	BMR					
1971.14		162.10				16.00					CORE	OPER	91.0					CORE	SNPA				
1971.42	1971.52	162.11	162.11			14.30					CORE	BMR	2.2			1.0	CORE	BMR					
2157.98	2229.31	189.77	213.03				3.00	20.00			LOGE	OPER											
2229.00	2471.00	213.00	239.00																	LDFM		ALL	3
2229.31	2471.32	213.03	239.00				3.00	15.00			LOGE	OPER											
2463.39	2463.52	238.18	238.20			6.90					CORE	BMR				2.3	CORE	BMR					
2464.69	2464.80	238.32	238.33			5.40					CORE	BMR	.1			.1	CORE	BMR					
2466.01	2466.14	238.46	238.48			4.60					CORE	BMR				.1	CORE	BMR					
2467.56	2467.66	238.63	238.64			3.80					CORE	BMR											
2471.00	2752.00	239.00	242.71																	LDFB		ALL	3
2471.32	2752.34	239.00	242.71				8.00	16.00			LOGE	OPER											
2752.00	2886.00	242.71	244.48																	CDDF		ALL	3
2752.34	2887.07	242.71	244.49				5.00	15.00			LOGE	OPER											
2886.00	3466.00	244.48	247.00																	CDDP		CUTT	4
2887.72	2893.95	244.50	244.53			7.60					CORE	BMR	.8				CORE	BMR					
2890.30	2890.42	244.51	244.51			5.00					CORE	BMR	2.5			.1	CORE	BMR					
2891.45	2891.61	244.52	244.52			5.20					CORE	BMR	3.5				CORE	BMR					
3200.48	3200.67	245.85	245.85			2.10					CORE	BMR											
3200.55	3200.67	245.85	245.85										3.1			.1	CORE	BMR					
3203.37	3203.45	245.86	245.87										.3			.1	CORE	BMR					
3203.78	3203.91	245.87	245.87										.1			.1	CORE	BMR					
3466.00	3481.00	247.00	247.19																	CDD	SMB	CUTT	4
3481.00	3523.00	247.19	247.72																	CDDF		CUTT	4
3523.00	3551.00	247.72	248.07																	MVS	R	CUTT	4
3551.00	3914.00	248.07	252.67																	CDDF		CUTT	4
3558.54	3657.60	248.17	249.42	G1	LOGM																		
3581.70	3586.28	248.46	248.52	L1	CORE																		
3582.01		248.47				7.50					CORE	OPER	.1				CORE	SNPA					
3583.00	3583.15	248.48	248.48			10.80					CORE	BMR	.4			.3	CORE	BMR					
3584.30	3584.45	248.50	248.50			11.20					CORE	BMR	.3			.2	CORE	BMR					
3584.75	3584.95	248.50	248.50			10.60					CORE	BMR	.3			.2	CORE	BMR					
3585.06		248.51											.3				CORE	SNPA					
3585.36	3585.46	248.51	248.51			10.40					CORE	BMR	.2			.2	CORE	BMR					
3914.00	3980.00	252.67	253.50																	MVS	R	CUTT	4
3978.25	3979.77	253.48	253.50	G2	WCR																		

Statistics

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	ENVIRONMENT KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
Min	134.00	0.17				2.10	3.00	15.00				0.1				0.1					
Max	3980.00	253.50				47.00	10.00	27.00				913.0				576.0					
No.	83	83		3	3	47	6	6		53	53	31				24	33	33	18	4	18
Mean						14.20	6.33	19.50				121.6				100.1					

RESFACS Database

Petrel 1A -12.831111 128.472222 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8700028 69/2001

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
3112.92	3934.36					10.00	25.00		LOGE	OPER											
3200.00	3524.00																	CDDP		ALL	3
3524.00	3552.00																	CDD	SMB	ALL	3
3552.00	3591.00																	CDDF		ALL	3
3591.00	3616.00																	MVS	R	ALL	3
3616.00	3633.00																	MVS		ALL	3
3633.00	3764.00																	CDD	SMB	ALL	3
3642.36	4023.36		G1	LOGM																	
3764.00	3872.00																	CDDF		ALL	3
3764.00	3872.00																	CDDP		ALL	3
3872.00	3950.00																	CDDF		ALL	3
3950.00	4019.00																	CDDP		ALL	3
4019.00	4055.00																	MVS	R	ALL	3
4055.00	4084.00																	MVS		ALL	2
4084.00	4090.00																	MVS	R	ALL	3

Statistics

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
Min	3112.92					10.00	25.00														
Max	4090.00					10.00	25.00														
No.	15		1	1		1	1		1	1								13	5	13	
Mean						10.00	25.00														

RESFACS Database

Petrel 2 -12.853889 128.513889 Bonaparte Basin — Petrel Sub-basin

PEDIN/File numbers: W8710005 70/972

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
132.00	414.00	0.04	60.10																MS		WCR	3
132.00	414.00	0.04	60.10																CDP		WCR	3
414.00	524.00	60.10	93.92																MS	OB	WCR	3
414.00	524.00	60.10	93.92																MS	BB	WCR	3
524.00	1295.00	93.92	125.00																MS		ALL	2
1295.00	1526.00	125.00	144.07																MS		ALL	3
1295.00	1526.00	125.00	144.07																CDP		ALL	3
1526.00	1770.00	144.07	164.21																MS		ALL	2
1770.00	1801.00	164.21	166.77																CDD	SMB	ALL	3
1801.00	1881.00	166.77	173.37																MS		ALL	3
1881.00	2159.00	173.37	213.00																CDP		ALL	3
2159.00	2205.00	213.00	216.91																MS		ALL	3
2205.00	2465.00	216.91	239.00																CDP		ALL	3
2224.05	2224.17	218.53	218.54			13.20				CORE	BMR	.1				.1	CORE	BMR				
2226.28	2226.41	218.72	218.73			14.20				CORE	BMR	.2				.1	CORE	BMR				
2465.00	2738.00	239.00	240.95																CDE		ALL	3
2545.20	2545.37	239.57	239.57			16.80				CORE	BMR	13.0				30.0	CORE	BMR				
2545.99		239.58				17.70				CORE	OPER	155.0					CORE	OPER				
2546.30	2546.42	239.58	239.58			20.10				CORE	BMR	262.0				51.0	CORE	BMR				
2547.56	2547.70	239.59	239.59			21.70				CORE	BMR	287.0				281.0	CORE	BMR				
2547.67		239.59				19.40				CORE	OPER	540.0					CORE	OPER				
2548.36	2548.48	239.60	239.60			20.30				CORE	BMR	358.0				96.0	CORE	BMR				
2549.35		239.60				17.80				CORE	OPER	1820.0					CORE	OPER				
2549.77	2549.94	239.61	239.61			20.40				CORE	BMR	1480.0				78.0	CORE	BMR				
2550.87		239.61				18.10				CORE	OPER	2560.0					CORE	OPER				
2550.92	2551.02	239.61	239.61			17.20				CORE	BMR	582.0				391.0	CORE	BMR				
2738.00	2879.00	240.95	242.15																CDP		ALL	3
2788.77		241.32				18.00				CORE	OPER	220.0					CORE	OPER				
2788.84	2788.92	241.32	241.32			17.60				CORE	BMR	59.0				165.0	CORE	BMR				
2791.24	2791.33	241.34	241.34			1.20				CORE	BMR	.1				.1	CORE	BMR				
2792.88	2793.00	241.35	241.36			18.80				CORE	BMR	50.0				28.0	CORE	BMR				
2793.26		241.36				19.50				CORE	OPER	320.0					CORE	OPER				
2794.10		241.37				20.50				CORE	OPER	390.0					CORE	OPER				
2794.59	2794.71	241.37	241.37			16.10				CORE	BMR	15.0				7.2	CORE	BMR				
2879.00	3402.00	242.15	247.00																CDE		ALL	3
2879.00	3402.00	242.15	247.00																CDDP		ALL	3
3034.89	3035.12	243.60	243.60			1.70				CORE	BMR	.1				.1	CORE	BMR				
3402.00	3412.00	247.00	247.22																CDD	SMB	ALL	3
3412.00	3461.00	247.22	248.32																CDDF		ALL	3
3461.00	3478.00	248.32	248.70																CDD	SMB	ALL	3
3475.01	3475.10	248.63	248.63			6.80				CORE	BMR	.2				.1	CORE	BMR				
3476.55		248.66				6.50				CORE	OPER	.9					CORE	OPER				
3477.05	3477.16	248.68	248.68			6.10				CORE	BMR	.1				.1	CORE	BMR				
3478.00	3491.00	248.70	248.99																CDDF		ALL	3

Petrel 2

3478.38		248.71				5.00	CORE	OPER	.8			CORE	OPER					
3478.78	3478.96	248.71	248.72			5.00	CORE	BMR	.4	.3	CORE	BMR						
3480.19	3480.31	248.75	248.75			7.80	CORE	BMR	5.5	.1	CORE	BMR						
3481.27	3481.35	248.77	248.77			3.70	CORE	BMR	.1	.1	CORE	BMR						
3481.43		248.77				1.10	CORE	OPER	.7			CORE	OPER					
3491.00	3498.00	248.99	249.14											CDD	SMB	ALL	3	
3498.00	3520.00	249.14	249.63											CDDF		ALL	3	
3520.00	3545.00	249.63	250.19											MVS	R	ALL	2	
3545.00	3561.00	250.19	250.55											MVS		ALL	2	
3561.00	3627.00	250.55	252.02											CDD	SMB	ALL	2	
3561.28	3584.45	250.56	251.07	G1	TDST													
3569.21		250.73		G1	TFIT													
3592.37		251.25		G1	TFIT													
3627.00	3648.00	252.02	252.49											CDD	SMB	ALL	3	
3636.26	3649.98	252.23	252.54	G1	LOGM													
3648.00	3692.00	252.49	253.48											CDDF	SMB	ALL	3	
3652.11	3655.16	252.58	252.65	G4	TDST													
3664.31	3669.79	252.86	252.98	G4	TDST													
3666.13		252.90		G2	TFIT													
3681.98	3685.03	253.25	253.32	G1	LOGM													
3689.60		253.42		G1	TFIT													
3692.00	3725.00	253.48	254.21											CDDF		ALL	3	
3702.41		253.71		G1	TFIT													
3725.00	3764.00	254.21	255.08											CDDP		ALL	3	
3764.00	3803.00	255.08	255.95											CDD	SMB	ALL	3	
3781.65		255.48		G1	TFIT													
3785.62	3788.66	255.57	255.63	G1	LOGM													
3803.00	3883.00	255.95	257.74											CDD	SMB	ALL	3	
3883.00	3951.00	257.74	259.26											CDDP		ALL	3	
3951.00	3984.00	259.26	260.00											MVS	R	ALL	2	
3984.00	4014.00	260.00	260.67											MVS		ALL	2	
4013.30	4017.26	260.65	260.74	G1	TDST													
4013.30	4017.26	260.65	260.74	G1	TDST													
4013.61		260.66		G1	TFIT													
4014.00	4029.00	260.67	261.00											MVS	R	ALL	2	
4015.13		260.69		G1	TFIT													
4015.74		260.70		G1	TFIT													
4023.66	4026.71	260.88	260.95	G1	TDST													
4023.66	4026.71	260.88	260.95	G1	TDST													
4024.88		260.91		G1	TFIT													
4029.00	4084.00	261.00	261.63											CDD	SMB	ALL	3	
4084.00	4110.00	261.63	261.93											CDDF		ALL	3	
4084.00	4110.00	261.63	261.93											CDDP		ALL	3	
4110.00	4152.00	261.93	262.41											CDD	SMB	ALL	3	
4112.67		261.96		G1	TFIT													
4136.14	4142.23	262.23	262.30	G1	LOGM													
4152.00	4660.00	262.41	268.25											CDDF		ALL	3	
4152.00	4660.00	262.41	268.25											CDDP		ALL	3	
4192.07	4192.20	262.87	262.88			12.70	CORE	BMR	7.0	.1	CORE	BMR						
4196.56	4196.69	262.93	262.93			6.30	CORE	BMR	.1	.1	CORE	BMR						
4197.83	4197.98	262.94	262.94			8.90	CORE	BMR	.3	.1	CORE	BMR						
4199.92	4200.02	262.96	262.97			5.40	CORE	BMR	.1	.1	CORE	BMR						
4202.38	4202.55	262.99	262.99			5.40	CORE	BMR	.1	.1	CORE	BMR						

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Petrel  2
4387.60 4724.70 265.12 269.00 G1   LOGM
4389.73 4395.22 265.15 265.21 G2   TDST
4660.00 4725.00 268.25 269.00                                                                                    MVS       ALL    3
4678.68 4681.73 268.47 268.50 G2   LOGM
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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	Source	
Min	132.00	0.04				1.10						0.1				0.1						
Max	4725.00	269.00				21.70						2560.0				391.0						
No.	101	101		25	25	33				33	33	33				23	33	33	43	16	43	
Mean						12.45						276.6				49.1						

RESFACS Database

Petrel 3 -12.935267 128.569403 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W8810050 81/1115

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
95.00	365.00																		CDP		ALL	3
365.00	428.00																		MS	OB	ALL	4
365.00	428.00																		MS	BB	ALL	4
428.00	1248.00																		MS		ALL	2
1248.00	1477.00																		MS	OB	ALL	3
1248.00	1477.00																		MS	BB	ALL	3
1477.00	1650.00																		MS		ALL	2
1650.00	1772.00																		MS	OB	ALL	3
1650.00	1772.00																		MS	BB	ALL	3
1772.00	2070.00																		CDP		ALL	3
2070.00	2295.00																		CDP		ALL	3
2295.00	2468.00																		CDP		ALL	3
2468.00	2760.00																		LDFB		ALL	3
2760.00	2916.00																		LDFM		ALL	3
2916.00	3481.00																		CDE		ALL	3
3170.00				L1	WCR																	
3481.00	3505.00																		CDD	SMB	ALL	3
3485.00						3.60				LOGS	OPER											
3485.00						2.00				LOGD	OPER											
3485.00						11.60				LOGN	OPER											
3485.00						3.60				LOGE	OPER											
3486.20						8.50				LOGS	OPER											
3486.20						14.80				LOGD	OPER											
3486.20						18.40				LOGN	OPER											
3486.20						8.50				LOGE	OPER											
3487.70						11.90				LOGS	OPER											
3487.70						8.90				LOGD	OPER											
3487.70						18.10				LOGN	OPER											
3487.70						8.90				LOGE	OPER											
3490.50						6.70				LOGS	OPER											
3490.50						5.80				LOGD	OPER											
3490.50						12.60				LOGN	OPER											
3490.50						5.80				LOGE	OPER											
3496.20						3.10				LOGS	OPER											
3496.20						12.30				LOGD	OPER											
3496.20						19.40				LOGN	OPER											
3496.20						3.10				LOGE	OPER											
3499.50						8.50				LOGS	OPER											
3499.50						6.00				LOGD	OPER											
3499.50						15.40				LOGN	OPER											
3499.50						6.00				LOGE	OPER											
3505.00	3550.00																		CDDP		ALL	3
3517.00						3.60				LOGS	OPER											
3517.00																						
3517.00						8.50				LOGN	OPER											

Petrel 3

3517.00					.60				LOGE	OPER							
3550.00	3590.00													MVS	R	ALL	2
3553.00					3.60				LOGS	OPER							
3553.00					.60				LOGD	OPER							
3553.00									LOGN	OPER							
3553.00					.60				LOGE	OPER							
3555.30					4.60				LOGS	OPER							
3555.30					1.50				LOGD	OPER							
3555.30					.40				LOGN	OPER							
3555.30					4.60				LOGE	OPER							
3557.00					2.40				LOGS	OPER							
3557.00					8.60				LOGD	OPER							
3557.00					.50				LOGN	OPER							
3557.00					2.40				LOGE	OPER							
3559.00					2.10				LOGS	OPER							
3559.00					18.00				LOGD	OPER							
3559.00					1.60				LOGN	OPER							
3559.00					2.10				LOGE	OPER							
3561.00					2.30				LOGS	OPER							
3561.00					18.70				LOGD	OPER							
3561.00					3.00				LOGN	OPER							
3561.00					2.30				LOGE	OPER							
3563.40					2.10				LOGS	OPER							
3563.40					14.00				LOGD	OPER							
3563.40					1.50				LOGN	OPER							
3563.40					2.10				LOGE	OPER							
3566.00					2.50				LOGS	OPER							
3566.00					13.90				LOGD	OPER							
3566.00					.50				LOGN	OPER							
3566.00					2.50				LOGE	OPER							
3569.00					1.00				LOGS	OPER							
3569.00					5.60				LOGD	OPER							
3569.00					1.00				LOGN	OPER							
3569.00					1.00				LOGE	OPER							
3571.00					2.60				LOGS	OPER							
3571.00									LOGD	OPER							
3571.00					1.90				LOGN	OPER							
3571.00									LOGE	OPER							
3585.00	3595.00	G1	LOGM														
3586.50	3625.00	G5	TDST														
3588.00	3601.50					8.50	6.60	12.00	LC	OPER							
3588.60					11.60				CORE	ACOR	.2		CORE ACOR				
3589.00					11.30				LOGS	OPER							
3589.00					12.50				LOGD	OPER							
3589.00					14.70				LOGN	OPER							
3589.00					12.50				LOGE	OPER							
3589.10					7.50				CORE	ACOR	.1		CORE ACOR				
3589.50					7.20				CORE	ACOR	.1		CORE ACOR				
3590.00	3658.00													CDDF		ALL	3
3590.00					2.90				CORE	ACOR	.0		CORE ACOR				
3590.50					5.50				CORE	ACOR	.0		CORE ACOR				
3591.00					7.40				CORE	ACOR	.3		CORE ACOR				
3591.50					7.50				CORE	ACOR	.1		CORE ACOR				

Petrel 3

3592.00	7.40	CORE	ACOR	.1	CORE ACOR
3592.50	7.90	CORE	ACOR	.2	CORE ACOR
3593.00	8.00	CORE	ACOR	.1	CORE ACOR
3593.00	5.20	LOGS	OPER		
3593.00	12.40	LOGD	OPER		
3593.00	7.40	LOGN	OPER		
3593.00	5.20	LOGE	OPER		
3593.50	5.60	CORE	ACOR	.1	CORE ACOR
3594.00	6.40	CORE	ACOR	.6	CORE ACOR
3594.50	8.90	CORE	ACOR	.1	CORE ACOR
3595.00	7.80	CORE	ACOR	.3	CORE ACOR
3595.00	6.40	LOGS	OPER		
3595.00	23.80	LOGD	OPER		
3595.00	4.00	LOGN	OPER		
3595.00	6.40	LOGE	OPER		
3595.50	8.20	CORE	ACOR	.1	CORE ACOR
3596.00	7.70	CORE	ACOR	.1	CORE ACOR
3596.50	5.50	CORE	ACOR	.1	CORE ACOR
3596.60	7.40	LOGS	OPER		
3596.60	16.10	LOGD	OPER		
3596.60	8.90	LOGN	OPER		
3596.60	7.40	LOGE	OPER		
3597.00	4.30	CORE	ACOR	.1	CORE ACOR
3597.50	8.30	CORE	ACOR	.1	CORE ACOR
3598.00	10.80	CORE	ACOR	.2	CORE ACOR
3598.50	8.70	CORE	ACOR	.2	CORE ACOR
3599.00	5.80	CORE	ACOR	.0	CORE ACOR
3599.50	7.40	CORE	ACOR	.1	CORE ACOR
3600.00	8.90	CORE	ACOR	.1	CORE ACOR
3600.50	7.80	CORE	ACOR	.1	CORE ACOR
3601.00	5.80	CORE	ACOR	.1	CORE ACOR
3601.50	5.80	CORE	ACOR	.0	CORE ACOR
3602.00	6.90	LOGS	OPER		
3602.00	31.20	LOGD	OPER		
3602.00	6.60	LOGN	OPER		
3602.00	6.90	LOGE	OPER		
3603.00	4.80	LOGS	OPER		
3603.00	28.70	LOGD	OPER		
3603.00	3.70	LOGN	OPER		
3603.00	4.80	LOGE	OPER		
3604.50	5.10	LOGS	OPER		
3604.50	23.70	LOGD	OPER		
3604.50	5.20	LOGN	OPER		
3604.50	5.10	LOGE	OPER		
3606.80	5.90	LOGS	OPER		
3606.80	25.10	LOGD	OPER		
3606.80	4.50	LOGN	OPER		
3606.80	5.90	LOGE	OPER		
3608.00	6.10	LOGS	OPER		
3608.00	11.90	LOGD	OPER		
3608.00	3.70	LOGN	OPER		
3608.00	6.10	LOGE	OPER		
3614.50	6.90	LOGS	OPER		

Petrel 3

3614.50				13.10	LOGD	OPER		
3614.50				5.30	LOGN	OPER		
3614.50				6.90	LOGE	OPER		
3615.20				7.30	LOGS	OPER		
3615.20				25.20	LOGD	OPER		
3615.20				7.50	LOGN	OPER		
3615.20				7.30	LOGE	OPER		
3615.80				8.10	LOGS	OPER		
3615.80				16.80	LOGD	OPER		
3615.80				3.50	LOGN	OPER		
3615.80				8.10	LOGE	OPER		
3617.70				7.80	LOGS	OPER		
3617.70				21.50	LOGD	OPER		
3617.70				5.00	LOGN	OPER		
3617.70				7.80	LOGE	OPER		
3619.50				5.90	LOGS	OPER		
3619.50				19.80	LOGD	OPER		
3619.50				6.20	LOGN	OPER		
3619.50				5.70	LOGE	OPER		
3621.20				5.90	LOGS	OPER		
3621.20				26.30	LOGD	OPER		
3621.20				3.60	LOGN	OPER		
3621.20				5.90	LOGE	OPER		
3623.20				6.90	LOGS	OPER		
3623.20				22.80	LOGD	OPER		
3623.20				5.70	LOGN	OPER		
3623.20				6.90	LOGE	OPER		
3625.00	3695.00	L1	WCR					
3630.40				7.50	LOGS	OPER		
3630.40				18.40	LOGD	OPER		
3630.40				7.30	LOGN	OPER		
3630.40				7.50	LOGE	OPER		
3633.00				7.90	LOGS	OPER		
3633.00				19.40	LOGD	OPER		
3633.00				7.10	LOGN	OPER		
3633.00				7.90	LOGE	OPER		
3644.50	3765.50	G5	TDST					
3644.50	3765.50	C3	TDST					
3648.70				9.10	LOGS	OPER		
3648.70				13.50	LOGD	OPER		
3648.70				6.70	LOGN	OPER		
3648.70				9.10	LOGE	OPER		
3658.00	3805.00						CDDP	ALL 3
3667.00				6.90	LOGS	OPER		
3667.00				13.50	LOGD	OPER		
3667.00				4.50	LOGN	OPER		
3667.00				6.90	LOGE	OPER		
3673.80				7.40	LOGS	OPER		
3673.80				17.00	LOGD	OPER		
3673.80				5.10	LOGN	OPER		
3673.80				7.40	LOGE	OPER		
3679.00				9.00	LOGS	OPER		

Petrel 3

3679.00				13.60				LOGD	OPER			
3679.00				4.60				LOGN	OPER			
3679.00				9.00				LOGE	OPER			
3680.20				8.70				LOGS	OPER			
3680.20				14.30				LOGD	OPER			
3680.20				7.60				LOGN	OPER			
3680.20				8.70				LOGE	OPER			
3689.50				1.60				LOGS	OPER			
3689.50				14.50				LOGD	OPER			
3689.50				6.80				LOGN	OPER			
3689.50				1.60				LOGE	OPER			
3691.00				8.20				LOGS	OPER			
3691.00				6.30				LOGD	OPER			
3691.00				14.50				LOGN	OPER			
3691.00				6.30				LOGE	OPER			
3698.50				9.00				LOGS	OPER			
3698.50				9.40				LOGD	OPER			
3698.50				7.20				LOGN	OPER			
3698.50				9.00				LOGE	OPER			
3700.00	3713.70				10.10	7.70	17.40	LC	OPER			
3700.10	3701.35	L1	CORE									
3700.10	3701.35	G2	CORE									
3700.50				8.50				CORE	ACOR	.4	CORE	ACOR
3701.00				4.20				CORE	ACOR	.9	CORE	ACOR
3702.10				6.60				CORE	ACOR	.1	CORE	ACOR
3702.60				10.00				CORE	ACOR	.1	CORE	ACOR
3703.25				7.90				CORE	ACOR	.1	CORE	ACOR
3703.85				8.50				CORE	ACOR	.1	CORE	ACOR
3705.60				2.50				CORE	ACOR	.1	CORE	ACOR
3705.90				4.00				CORE	ACOR	.2	CORE	ACOR
3706.30				5.60				CORE	ACOR	.9	CORE	ACOR
3707.50				13.40				LOGS	OPER			
3707.50				13.60				LOGD	OPER			
3707.50				9.70				LOGN	OPER			
3707.50				13.40				LOGE	OPER			
3708.15				4.40				CORE	ACOR	.1	CORE	ACOR
3709.35				6.40				CORE	ACOR	.1	CORE	ACOR
3710.00				14.80				CORE	ACOR	5.2	CORE	ACOR
3710.40				17.90				CORE	ACOR	42.7	CORE	ACOR
3710.70				10.80				CORE	ACOR	1.8	CORE	ACOR
3711.30				21.60				CORE	ACOR	95.7	CORE	ACOR
3711.50				20.90				CORE	ACOR	24.0	CORE	ACOR
3711.70				22.20				CORE	ACOR	60.0	CORE	ACOR
3712.20				14.80				CORE	ACOR	.2	CORE	ACOR
3712.60				15.60				CORE	ACOR	.2	CORE	ACOR
3712.80				10.70				CORE	ACOR	.1	CORE	ACOR
3713.30				12.20				CORE	ACOR	.5	CORE	ACOR
3713.70	3726.20				8.50	7.40	9.60	LC	OPER			
3713.95				15.50				CORE	ACOR	5.1	CORE	ACOR
3714.60				14.60				CORE	ACOR	4.0	CORE	ACOR
3717.80				6.10				CORE	ACOR	.1	CORE	ACOR
3718.00				13.90				LOGS	OPER			
3718.00				13.50				LOGD	OPER			

Petrel 3

3718.00				15.00				LOGN	OPER						
3718.00				13.50				LOGE	OPER						
3722.05				8.60				CORE	ACOR	.1		CORE	ACOR		
3723.90				9.60				CORE	ACOR	.1		CORE	ACOR		
3724.45				9.20				CORE	ACOR	.1		CORE	ACOR		
3725.10				12.90				CORE	ACOR	.2		CORE	ACOR		
3725.70				10.10				CORE	ACOR	.1		CORE	ACOR		
3738.00	3815.00	L1	WCR												
3761.80				5.00				LOGS	OPER						
3761.80				34.10				LOGD	OPER						
3761.80				.70				LOGN	OPER						
3761.80				5.00				LOGE	OPER						
3763.20				5.40				LOGS	OPER						
3763.20				20.30				LOGD	OPER						
3763.20				8.80				LOGN	OPER						
3763.20				5.40				LOGE	OPER						
3764.00				9.60				LOGS	OPER						
3764.00				13.00				LOGD	OPER						
3764.00				8.50				LOGN	OPER						
3764.00				9.60				LOGE	OPER						
3765.00	3810.00	G1	WCR												
3805.00	3820.00												MVS	ALL	3
3807.60	3825.00				9.50	6.40	14.50	LC	OPER						
3820.00	3910.00												CDDF	ALL	3
3821.00				4.70				CORE	ACOR	.1		CORE	ACOR		
3822.20				5.90				CORE	ACOR	.1		CORE	ACOR		
3823.00				8.20				CORE	ACOR	.1		CORE	ACOR		
3823.30	3868.00	G5	TDST												
3823.30	3868.00	C3	TDST												
3823.40				2.50				LOGS	OPER						
3823.40				6.10				LOGD	OPER						
3823.40				4.60				LOGN	OPER						
3823.40				6.10				LOGE	OPER						
3823.75				6.70				CORE	ACOR	.1		CORE	ACOR		
3824.60				1.00				LOGS	OPER						
3824.60				35.00				LOGD	OPER						
3824.60				1.10				LOGN	OPER						
3824.60				1.00				LOGE	OPER						
3825.05				6.80				CORE	ACOR	.1		CORE	ACOR		
3826.00				4.60				LOGS	OPER						
3826.00				23.90				LOGD	OPER						
3826.00				1.10				LOGN	OPER						
3826.00															
3826.00				4.60				LOGE	OPER						
3830.00	3840.00	G1	LOGM												
3832.00				5.60				LOGS	OPER						
3832.00				18.80				LOGD	OPER						
3832.00				8.90				LOGN	OPER						
3832.00				5.60				LOGE	OPER						
3833.10	3837.70	L1	CORE												
3833.10	3837.70	G1	CORE												
3833.10	3851.30				9.46	8.70	10.20	LC	OPER						

Petrel 3

3833.20						18.90				CORE	ACOR	57.0						CORE	ACOR			
3833.80						18.90				CORE	ACOR	41.0						CORE	ACOR			
3834.25						18.70				CORE	ACOR	25.0						CORE	ACOR			
3834.55						13.70				CORE	ACOR	5.8						CORE	ACOR			
3835.00						9.30				CORE	ACOR	.4						CORE	ACOR			
3835.60						6.40				CORE	ACOR	.1						CORE	ACOR			
3836.40						7.90				LOGS	OPER											
3836.40						8.50				LOGD	OPER											
3836.40						17.00				LOGN	OPER											
3836.40						7.90				LOGE	OPER											
3836.90						19.80				CORE	ACOR	40.0						CORE	ACOR			
3837.35						9.90				CORE	ACOR	.7						CORE	ACOR			
3838.00						14.60				CORE	ACOR	.5						CORE	ACOR			
3838.30						12.50				LOGS	OPER											
3838.30						20.70				LOGD	OPER											
3838.30						20.40				LOGN	OPER											
3838.30						12.50				LOGE	OPER											
3838.75						6.20				CORE	ACOR	.0						CORE	ACOR			
3841.00						13.70				LOGS	OPER											
3841.00						12.20				LOGD	OPER											
3841.00						17.60				LOGN	OPER											
3841.00						12.20				LOGE	OPER											
3842.55						8.10				CORE	ACOR	.1						CORE	ACOR			
3859.00	3862.00		G1	LOGM																		
3867.50						15.70				LOGS	OPER											
3867.50						22.10				LOGD	OPER											
3867.50						18.40				LOGN	OPER											
3867.50						15.70				LOGE	OPER											
3878.00						5.30				LOGD	OPER											
3878.00						12.60				LOGN	OPER											
3878.00						5.30				LOGE	OPER											
3883.20						11.20				LOGS	OPER											
3883.20						9.90				LOGD	OPER											
3883.20						15.30				LOGN	OPER											
3883.20						9.90				LOGE	OPER											
3898.00	3901.00		G1	LOGM																		
3907.50						15.60				LOGS	OPER											
3907.50						10.50				LOGD	OPER											
3907.50						23.00				LOGN	OPER											
3907.50						10.50				LOGE	OPER											
3908.60						16.30				LOGS	OPER											
3908.60						8.00				LOGD	OPER											
3908.60						15.60				LOGN	OPER											
3908.60						8.00				LOGE	OPER											
3910.00	3970.00																	CDDP		ALL		3

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	Source	
Min	95.00					0.40	8.50	6.40	9.60			0.0										
Max	3970.00					35.00	10.10	8.70	17.40			95.7										
No.	352			17	17	304	5	5	5	312	312	72					72	72	23	8	23	
Mean						9.33	9.21	7.36	12.74			5.8										

RESFACS Database

Petrel 4 -12.888442 128.494753 Bonaparte Basin
PEDIN/File numbers: W8880007 87/1155

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
120.00	275.00		60.10																			
275.00	509.00	60.10	96.48																MS		LOGG	3
275.00	509.00	60.10	96.48																MS	OB	ALL	3
509.00	1258.00	96.48	114.00																MS	BB	ALL	3
600.00	1243.00	98.60	113.65	G1	LOGM														MS		ALL	3
1243.00	1505.00	113.65	143.14	G1	LOGM																	
1258.00	1280.00	114.00	125.00																MSS		ALL	3
1280.00	1454.00	125.00	139.03																MS	OB	ALL	3
1454.00	1478.00	139.03	140.96																MS		ALL	3
1478.00	1619.00	140.96	152.33																MS	OB	ALL	3
1505.00	2168.00	143.14	213.00	G1	LOGM																	
1619.00	1700.00	152.33	158.86																MS		ALL	3
1700.00	1731.00	158.86	161.36																MSS		ALL	3
1731.00	2168.00	161.36	213.00																CDP		ALL	3
2168.00	2427.00	213.00	235.15																CDDU		ALL	3
2427.00	2472.00	235.15	239.00																MS		ALL	3
2427.00	2472.00	235.15	239.00																LDF		ALL	3
2462.00	3417.00	238.14	246.61	G1	LOGM																	
2472.00	2740.00	239.00	241.16																LDFB		ALL	3
2740.00	2887.00	241.16	242.34																CDP		ALL	3
2887.00	3466.00	242.34	247.00																CDE		ALL	3
3026.20		243.46										.4					CORE	ALAB				
3433.00	3562.00	246.73	248.23	G1	LOGM																	
3466.00	3488.00	247.00	247.28																CDD	SMB	ALL	3
3488.00	3533.00	247.28	247.86																CDDF		ALL	3
3533.00	3555.00	247.86	248.14																MVS	R	ALL	3
3555.00	3570.00	248.14	248.33																MVS		ALL	3
3563.60	3690.00	248.25	249.86	G1	CORE																	
3563.60	3690.00	248.25	249.86	L1	CORE																	
3563.80		248.25				25.80				CORE	ALAB	157.0					CORE	ALAB				
3564.00		248.25				22.00				CORE	CLAB											
3564.10		248.25										233.0					CORE	ALAB				
3564.40		248.26										143.0					CORE	ALAB				
3564.70		248.26										145.0					CORE	ALAB				
3565.00		248.26				24.60				CORE	ALAB	258.0					CORE	ALAB				
3565.30		248.27										314.0					CORE	ALAB				
3565.60		248.27										89.0					CORE	ALAB				
3565.90		248.28										59.0					CORE	ALAB				
3566.20		248.28				20.30				CORE	ALAB	99.0					CORE	ALAB				
3566.50		248.28										270.0					CORE	ALAB				
3566.80		248.29										387.0					CORE	ALAB				
3567.10		248.29				25.30				CORE	ALAB	390.0					CORE	ALAB				
3567.40		248.29										323.0					CORE	ALAB				
3567.70		248.30										454.0					CORE	ALAB				

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Petrel  4
3568.00          248.30                    25.20                    CORE  ALAB  303.0                          CORE ALAB
3568.30          248.31                                                         187.0                          CORE ALAB
3568.60          248.31                                                         170.0                          CORE ALAB
3568.90          248.31                                                          35.0                          CORE ALAB
3569.20          248.32                    24.60                    CORE  ALAB  244.0                          CORE ALAB
3569.50          248.32                                                         426.0                          CORE ALAB
3569.60 3632.00  248.32 249.12                   22.40             LOGE  OPER
3569.80          248.33                                                         546.0                          CORE ALAB
3570.00 3585.00  248.33 248.52 G5   TDST
3570.00 3585.00  248.33 248.52 C1   TDST
3570.00 3595.00  248.33 248.65                                                                          CDD  SMB  ALL    3
3570.10          248.33                    24.80                    CORE  ALAB  388.0                          CORE ALAB
3570.40          248.33                                                         247.0                          CORE ALAB
3570.70          248.34                                                         141.0                          CORE ALAB
3571.00          248.34                    21.20                    CORE  ALAB  227.0                          CORE ALAB
3571.30          248.34                                                         301.0                          CORE ALAB
3571.60          248.35                                                         394.0                          CORE ALAB
3571.90          248.35                                                         194.0                          CORE ALAB
3572.00          248.35                                                          98.0                          TRFT SCHL
3572.20          248.36                    23.80                    CORE  ALAB  134.0                          CORE ALAB
3572.50          248.36                                                            .9                          CORE ALAB
3572.80          248.36                                                            .0                          CORE ALAB
3573.10          248.37                                                         169.0                          CORE ALAB
3573.40          248.37                                                         196.0                          CORE ALAB
3573.70          248.38                    24.20                    CORE  CLAB  193.0                          CORE ALAB
3574.00          248.38                    22.60                    CORE  ALAB   70.0                          TRFT SCHL
3574.00          248.38                                                         125.0                          CORE ALAB
3574.30          248.38                                                            .8                          CORE ALAB
3574.60          248.39                                                         235.0                          CORE ALAB
3574.90          248.39                                                          11.0                          CORE ALAB
3575.20          248.39                    22.40                    CORE  ALAB  182.0                          CORE ALAB
3575.50          248.40                                                         199.0                          CORE ALAB
3575.80          248.40                                                          52.0                          CORE ALAB
3576.10          248.41                    17.90                    CORE  CLAB   42.0                          CORE ALAB
3576.40          248.41                                                          14.0                          CORE ALAB
3576.70          248.41                                                         230.0                          CORE ALAB
3577.00          248.42                    19.80                    CORE  ALAB   43.6                          TRFT SCHL
3577.00          248.42                                                          82.0                          CORE ALAB
3577.30          248.42                                                            .5                          CORE ALAB
3577.60          248.43                                                            .0                          CORE ALAB
3577.90          248.43                                                         132.0                          CORE ALAB
3578.20          248.43                    15.00                    CORE  ALAB   17.0                          CORE ALAB
3578.50          248.44                                                           2.3                          CORE ALAB
3578.80          248.44                                                           5.8                          CORE ALAB
3579.10          248.44                     8.40                    CORE  ALAB    2.3                          CORE ALAB
3579.40          248.45                                                           1.6                          CORE ALAB
3580.00          248.46                     9.20                    CORE  ALAB
3580.30          248.46                                                            .1                          CORE ALAB
3580.60          248.46                                                          1128.0                        CORE ALAB
3580.60          248.46                                                            .0                          CORE ALAB
3580.90          248.47                                                            .0                          CORE ALAB
3582.00          248.48                     8.20                    CORE  ALAB    1.2                          CORE ALAB
3582.30          248.49                                                            .3                          CORE ALAB
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Petrel 4

3583.20		248.50		5.90	CORE	ALAB	.0	CORE	ALAB		
3583.50		248.50					.0	CORE	ALAB		
3583.80		248.50					.0	CORE	ALAB		
3584.10		248.51		7.70	CORE	ALAB	1.5	CORE	ALAB		
3584.40		248.51					.0	CORE	ALAB		
3584.70		248.52					.0	CORE	ALAB		
3585.00		248.52		8.90	CORE	ALAB	.0	CORE	ALAB		
3585.30		248.52					.0	CORE	ALAB		
3585.60		248.53					49.0	CORE	ALAB		
3585.90		248.53					.1	CORE	ALAB		
3586.20		248.53		7.40	CORE	ALAB	.0	CORE	ALAB		
3586.50		248.54					.0	CORE	ALAB		
3586.80		248.54					.0	CORE	ALAB		
3587.00		248.55		5.20	CORE	ALAB					
3587.10		248.55					.0	CORE	ALAB		
3587.40		248.55					.3	CORE	ALAB		
3587.70		248.55					2.0	CORE	ALAB		
3588.00		248.56		5.90	CORE	ALAB	2.1	CORE	ALAB		
3588.30		248.56					.7	CORE	ALAB		
3588.60		248.57					.0	CORE	ALAB		
3588.90		248.57					.0	CORE	ALAB		
3589.20		248.57		9.40	CORE	ALAB	.0	CORE	ALAB		
3589.50		248.58					.0	CORE	ALAB		
3589.80		248.58					.0	CORE	ALAB		
3590.10		248.58		9.10	CORE	ALAB	.4	CORE	ALAB		
3590.40		248.59					19.0	CORE	ALAB		
3590.70		248.59					.2	CORE	ALAB		
3591.00		248.60		8.70	CORE	ALAB	1.2	CORE	ALAB		
3591.30		248.60					.5	CORE	ALAB		
3591.60		248.60					.5	CORE	ALAB		
3591.90		248.61					.5	CORE	ALAB		
3592.20		248.61		9.20	CORE	ALAB	.4	CORE	ALAB		
3592.50		248.62					.2	CORE	ALAB		
3592.80		248.62					.0	CORE	ALAB		
3593.10		248.62		7.60	CORE	ALAB	.1	CORE	ALAB		
3593.40		248.63					.0	CORE	ALAB		
3593.70		248.63					.0	CORE	ALAB		
3594.00		248.63		7.50	CORE	ALAB	.0	CORE	ALAB		
3594.30		248.64					.2	CORE	ALAB		
3595.00	3708.00	248.65	250.09							CDDF	ALL 3
3595.20		248.65		7.60	CORE	ALAB	.0	CORE	ALAB		
3595.50		248.65					.0	CORE	ALAB		
3596.10		248.66		5.80	CORE	ALAB	.4	CORE	ALAB		
3596.40		248.67					.0	CORE	ALAB		
3596.70		248.67					.4	CORE	ALAB		
3597.00		248.67		8.60	CORE	ALAB	.6	CORE	ALAB		
3597.30		248.68					.4	CORE	ALAB		
3597.60		248.68					.2	CORE	ALAB		
3597.90		248.68					1.0	CORE	ALAB		
3598.20		248.69		7.50	CORE	ALAB	.0	CORE	ALAB		
3598.50		248.69					.0	CORE	ALAB		
3598.80		248.70					.2	CORE	ALAB		
3599.10		248.70		7.50	CORE	ALAB	.2	CORE	ALAB		

Petrel 4

3599.70	248.71				1.0	CORE ALAB
3600.30	248.72				.0	CORE ALAB
3600.60	248.72				1.0	CORE ALAB
3600.90	248.72				.3	CORE ALAB
3601.20	248.73	8.80	CORE	ALAB	1.9	CORE ALAB
3601.80	248.73				.1	CORE ALAB
3602.10	248.74	9.70	CORE	ALAB	.1	CORE ALAB
3602.40	248.74				.0	CORE ALAB
3603.00	248.75	7.60	CORE	ALAB	1.0	CORE ALAB
3603.30	248.75				.0	CORE ALAB
3603.50	248.76				.0	CORE ALAB
3606.10	248.79	7.40	CORE	ALAB	.4	CORE ALAB
3606.40	248.79				32.3	CORE ALAB
3606.70	248.80				15.0	CORE ALAB
3607.00	248.80	8.50	CORE	ALAB	14.0	CORE ALAB
3607.60	248.81				.5	CORE ALAB
3607.90	248.81				19.0	CORE ALAB
3608.20	248.82	4.30	CORE	ALAB		
3608.50	248.82				.0	CORE ALAB
3608.80	248.82				.0	CORE ALAB
3609.10	248.83	6.00	CORE	ALAB	21.0	CORE ALAB
3609.40	248.83				.1	CORE ALAB
3610.00	248.84	7.10	CORE	ALAB	.2	CORE ALAB
3610.30	248.84				.0	CORE ALAB
3610.60	248.85				2720.0	CORE ALAB
3610.90	248.85				.1	CORE ALAB
3611.20	248.85	8.80	CORE	ALAB		
3611.80	248.86				.1	CORE ALAB
3612.10	248.87	8.60	CORE	ALAB	.1	CORE ALAB
3612.40	248.87				.6	CORE ALAB
3612.70	248.87				.2	CORE ALAB
3613.00	248.88	9.30	CORE	ALAB		
3613.30	248.88				.0	CORE ALAB
3613.60	248.88				.1	CORE ALAB
3613.90	248.89				19.0	CORE ALAB
3614.00	248.89	4.00	CORE	ALAB		
3614.40	248.90				30.0	CORE ALAB
3614.70	248.90				2.3	CORE ALAB
3615.00	248.90	8.00	CORE	ALAB		
3616.20	248.92	7.70	CORE	ALAB		
3617.10	248.93	6.30	CORE	ALAB	23.0	CORE ALAB
3618.30	248.94				2.5	CORE ALAB
3618.60	248.95				.0	CORE ALAB
3619.20	248.96	7.60	CORE	ALAB	.0	CORE ALAB
3619.80	248.96				.0	CORE ALAB
3620.10	248.97	6.20	CORE	ALAB	.0	CORE ALAB
3620.40	248.97				.0	CORE ALAB
3621.30	248.98	2.10	CORE	ALAB	9.4	CORE ALAB
3623.10	249.01	5.50	CORE	ALAB	.0	CORE ALAB
3623.40	249.01				.0	CORE ALAB
3625.00	249.03	6.10	CORE	ALAB	.5	CORE ALAB
3625.30	249.03				2.9	CORE ALAB
3625.60	249.04				7.4	CORE ALAB

Petrel 4

3625.90		249.04						.1	CORE ALAB
3626.20		249.05		2.60		CORE	ALAB		
3626.50		249.05						.1	CORE ALAB
3626.80		249.05						.1	CORE ALAB
3627.40		249.06						.3	CORE ALAB
3627.70		249.06						3.7	CORE ALAB
3628.00		249.07		4.50		CORE	ALAB		
3628.30		249.07						.2	CORE ALAB
3628.60		249.08						136.0	CORE ALAB
3629.20		249.08		8.00		CORE	ALAB	.7	CORE ALAB
3629.80		249.09						.1	CORE ALAB
3630.10		249.10		5.80		CORE	ALAB		
3630.40		249.10						.3	CORE ALAB
3630.70		249.10						.2	CORE ALAB
3631.00		249.11		9.10		CORE	ALAB	.2	CORE ALAB
3631.30		249.11						178.0	CORE ALAB
3631.60		249.11						1.0	CORE ALAB
3631.90		249.12						.9	CORE ALAB
3632.00	3704.00	249.12	250.04		17.30	LOGE	OPER		
3633.10		249.13		4.30		CORE	ALAB	.0	CORE ALAB
3633.40		249.14						.0	CORE ALAB
3635.00		249.16		7.30		CORE	ALAB		
3635.60		249.17						.3	CORE ALAB
3636.20		249.17		6.60		CORE	ALAB		
3636.50		249.18						.2	CORE ALAB
3637.40		249.19						.0	CORE ALAB
3637.70		249.19						.0	CORE ALAB
3638.00		249.20		6.10		CORE	ALAB	31.0	CORE ALAB
3638.60		249.20						.0	CORE ALAB
3639.20		249.21		10.00		CORE	ALAB	1270.0	CORE ALAB
3639.30		249.21						.1	CORE ALAB
3639.50		249.22						256.0	CORE ALAB
3640.00		249.22		6.80		CORE	ALAB		
3640.10		249.22						.0	CORE ALAB
3640.40		249.23						.0	CORE ALAB
3640.70		249.23						.0	CORE ALAB
3641.00		249.23		8.60		CORE	ALAB	.0	CORE ALAB
3641.30		249.24						.5	CORE ALAB
3641.60		249.24						.0	CORE ALAB
3641.90		249.25						.0	CORE ALAB
3642.20		249.25		9.70		CORE	ALAB	.2	CORE ALAB
3644.00		249.27		5.80		CORE	ALAB	2475.0	CORE ALAB
3644.30		249.28						.4	CORE ALAB
3645.20		249.29		2.70		CORE	ALAB		
3646.10		249.30		4.50		CORE	ALAB		
3650.30		249.35		4.80		CORE	ALAB		
3650.90		249.36						.1	CORE ALAB
3653.30		249.39		2.90		CORE	ALAB	.0	CORE ALAB
3653.60		249.40						.3	CORE ALAB
3653.90		249.40						.0	CORE ALAB
3654.20		249.40		9.70		CORE	ALAB	.0	CORE ALAB
3654.80		249.41						.1	CORE ALAB
3655.70		249.42		8.40		CORE	ALAB		

Petrel 4

3656.30	249.43			143.0		CORE ALAB
3657.20	249.44	11.10	CORE ALAB	.2		CORE ALAB
3658.10	249.45	7.50	CORE ALAB	.8		CORE ALAB
3659.00	249.46	4.90	CORE ALAB			
3659.90	249.48			13.0		CORE ALAB
3660.20	249.48	11.20	CORE ALAB	.1		CORE ALAB
3660.50	249.48			.1		CORE ALAB
3660.80	249.49			.0		CORE ALAB
3661.10	249.49	12.60	CORE ALAB	.6		CORE ALAB
3661.40	249.50			.0		CORE ALAB
3661.70	249.50			.0		CORE ALAB
3662.00	249.50	6.70	CORE ALAB	.0		CORE ALAB
3662.30	249.51			.1		CORE ALAB
3662.60	249.51			.0		CORE ALAB
3663.20	249.52	6.90	CORE ALAB	.2		CORE ALAB
3663.50	249.52			.0		CORE ALAB
3663.80	249.53			40.0		CORE ALAB
3664.10	249.53	6.80	CORE ALAB	56.0		CORE ALAB
3664.40	249.53			.0		CORE ALAB
3664.70	249.54			.3		CORE ALAB
3665.00	249.54	17.10	CORE ALAB	2.8		CORE ALAB
3666.80	249.56			.0		CORE ALAB
3667.10	249.57	2.60	CORE ALAB			
3669.00	249.59			93.5		TRFT SCHL
3670.10	249.61	14.50	CORE ALAB	2.8		CORE ALAB
3670.40	249.61			132.0		CORE ALAB
3671.10	249.62	18.80	CORE ALAB	142.0		CORE ALAB
3671.70	249.63			3.3		CORE ALAB
3672.00	249.63	7.90	CORE ALAB			
3672.60	249.64			38.0		CORE ALAB
3672.90	249.64			6.4		CORE ALAB
3673.20	249.65	7.80	CORE ALAB	5.4		CORE ALAB
3673.20	249.65	13.80	CORE CLAB			
3673.50	249.65			.2		CORE ALAB
3673.80	249.65			13.0		CORE ALAB
3674.10	249.66	6.80	CORE ALAB			
3674.40	249.66			.7		CORE ALAB
3674.70	249.67			9.5		CORE ALAB
3675.00	249.67	7.10	CORE ALAB	7.8		CORE ALAB
3675.30	249.67			4.8		CORE ALAB
3675.60	249.68			14.0		CORE ALAB
3675.90	249.68			1.4		CORE ALAB
3676.20	249.68	7.20	CORE ALAB	.0		CORE ALAB
3676.50	249.69			.0		CORE ALAB
3677.00	249.69	10.20	CORE ALAB			
3678.00	249.71	4.80	CORE ALAB	40.0		CORE ALAB
3678.30	249.71			.0		CORE ALAB
3678.90	249.72			.0		CORE ALAB
3679.20	249.72	11.00	CORE ALAB			
3679.50	249.73			.0		CORE ALAB
3679.80	249.73			.0		CORE ALAB
3680.10	249.73	10.40	CORE ALAB	.0		CORE ALAB
3680.40	249.74			.0		CORE ALAB

Petrel 4

3680.70		249.74										.0			CORE	ALAB	
3681.00		249.75				11.20				CORE	ALAB	.0			CORE	ALAB	
3681.30		249.75										.0			CORE	ALAB	
3681.60		249.75										.0			CORE	ALAB	
3681.90		249.76										.0			CORE	ALAB	
3682.20		249.76				6.60				CORE	ALAB	.0			CORE	ALAB	
3682.50		249.76										.0			CORE	ALAB	
3682.80		249.77										.0			CORE	ALAB	
3683.10		249.77										.0			CORE	ALAB	
3683.40		249.78										.0			CORE	ALAB	
3683.70		249.78				7.00				CORE	CLAB	3.5			CORE	ALAB	
3684.00		249.78										1.2			CORE	ALAB	
3684.30		249.79										.3			CORE	ALAB	
3684.90		249.80										230.0			CORE	ALAB	
3685.20		249.80				16.80				CORE	CLAB	40.0			CORE	ALAB	
3685.50		249.80										.2			CORE	ALAB	
3685.80		249.81										.0			CORE	ALAB	
3686.10		249.81				7.00				CORE	ALAB	.0			CORE	ALAB	
3686.40		249.81										.0			CORE	ALAB	
3686.70		249.82										.9			CORE	ALAB	
3687.00		249.82				13.70				CORE	ALAB						
3687.30		249.83										141.0			CORE	ALAB	
3687.60		249.83										294.0			CORE	ALAB	
3688.20		249.84				2.60				CORE	ALAB	6.7			CORE	ALAB	
3688.50		249.84										3.2			CORE	ALAB	
3689.10		249.85				19.50				CORE	ALAB	80.0			CORE	ALAB	
3689.40		249.85										.3			CORE	ALAB	
3689.70		249.86										.0			CORE	ALAB	
3690.00	3975.00	249.86	253.50	G1	LOGM												
3690.00	3975.00	249.86	253.50	L1	LOGM												
3692.30		249.89										20.6			TRFT	SCHL	
3696.40		249.94										2.9			TRFT	SCHL	
3708.00	3811.00	250.09	251.41														CDDP ALL 3
3792.00	3891.00	251.16	252.43				19.40			LOGE	OPER						
3796.10		251.22				7.70				CORE	ALAB	.0			CORE	ALAB	
3799.40		251.26				13.50				CORE	ALAB						
3799.70		251.26										.1			CORE	ALAB	
3800.30		251.27										2.9			CORE	ALAB	
3800.60		251.27										.2			CORE	ALAB	
3800.90		251.28				17.40				CORE	CLAB	2.5			CORE	ALAB	
3801.20		251.28				21.30				CORE	ALAB	26.0			CORE	ALAB	
3801.50		251.28										.3			CORE	ALAB	
3801.80		251.29										.4			CORE	ALAB	
3802.10		251.29				8.40				CORE	ALAB	1.7			CORE	ALAB	
3803.00		251.30				11.50				CORE	ALAB	1.9			CORE	ALAB	
3803.30		251.31										.2			CORE	ALAB	
3803.60		251.31										6.1			CORE	ALAB	
3803.90		251.32										2.3			CORE	ALAB	
3804.20		251.32				17.90				CORE	ALAB	2.1			CORE	ALAB	
3804.50		251.32										7.4			CORE	ALAB	
3804.80		251.33										6.8			CORE	ALAB	
3805.10		251.33										82.0			CORE	ALAB	
3805.40		251.33				24.30				CORE	CLAB	17.0			CORE	ALAB	

Petrel 4

3805.70		251.34										12.0					CORE	ALAB				
3806.30		251.35					15.30				CORE	ALAB	2.2				CORE	ALAB				
3806.60		251.35											17.0				CORE	ALAB				
3806.90		251.35											14.0				CORE	ALAB				
3807.20		251.36					21.10				CORE	ALAB	44.0				CORE	ALAB				
3807.50		251.36											33.0				CORE	ALAB				
3807.80		251.36											9.0				CORE	ALAB				
3808.10		251.37					14.70				CORE	ALAB	1.3				CORE	ALAB				
3808.40		251.37											116.0				CORE	ALAB				
3808.70		251.38											32.0				CORE	ALAB				
3809.00		251.38					20.40				CORE	CLAB	40.0				CORE	ALAB				
3809.60		251.39											.2				CORE	ALAB				
3810.20		251.40					14.70				CORE	ALAB	1.9				CORE	ALAB				
3811.00	3817.00	251.41	251.48																CDD	SMB	ALL	3
3811.10		251.41					15.60				CORE	ALAB	.8				CORE	ALAB				
3811.40		251.41											.2				CORE	ALAB				
3811.60		251.41											.2				TRFT	SCHL				
3811.70		251.41											.0				CORE	ALAB				
3812.60		251.43											.0				CORE	ALAB				
3813.20		251.43					14.20				CORE	ALAB	1.0				CORE	ALAB				
3814.40		251.45											2.8				TRFT	SCHL				
3815.80		251.47											11.8				TRFT	SCHL				
3817.00	3906.00	251.48	252.62																CDDF		ALL	3
3906.00	3968.00	252.62	253.41																CDDP		ALL	3
3968.00	3975.00	253.41	253.50																MVS	R	ALL	3
8684.00		553.81					10.70				CORE	ALAB										

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	Source	
Min	120.00					2.10	17.30					0.0										
Max	8684.00	253.50				25.80	22.40					2720.0										
No.	388	387		11	11	122	3			125	125	317					317	317	28	9	28	
Mean						10.85	19.70					62.9										

RESFACS Database

Sandpiper 1 -13.314722 127.976389 Bonaparte Basin Petrel Sub-basin

PEDIN/File numbers: W6710024 N/A

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
98.00	143.00		55.45																MS		ALL	4
143.00	480.00	55.45	114.00																MS		ALL	3
480.00	504.00	114.00	125.00																MSS		ALL	3
504.00	590.00	125.00	146.01																CDP		ALL	4
504.14	590.40	125.45	146.02					15.00	30.00	LOGE	OPER											
548.64	762.00	145.21	151.24	G1	WCR																	
590.00	700.00	146.01	148.98																CDE		ALL	4
700.00	914.00	148.98	213.00																CDP		ALL	4
700.00	914.00	148.98	213.00																LDFB		ALL	4
717.80		149.42		G2	TFIT																	
914.00	944.00	213.00	267.00																LDF		ALL	4
944.00	1158.00	267.00	305.57																LDP	SF	ALL	4
989.38	1003.40	290.15	291.43					15.00	20.00	LOGE	OPER											
1158.00	1753.00	305.57	399.00																CDP		ALL	4
1753.00	1892.00	399.00	471.50																LDP	SF	ALL	2

Statistics

top (m)	base (m)	Ages (Harland)	Ages (mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	98.00							15.00	20.00													
Max	1892.00	471.50						15.00	30.00													
No.	15	14		2	2			2	2	2	2								11	2	11	
Mean								15.00	25.00													

RESFACS Database

Skull 1 -15.285053 128.954686 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6840081 OS 206

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
9.00	95.00	281.61	283.36																CDP		ALL	3
95.00	225.00	283.36	286.00																LDFB		ALL	2
225.00	350.00	286.00	331.00																CDP		ALL	3
350.00	520.00	331.00	340.51																MS		ALL	2
520.00	950.00	340.51	341.81																MS		ALL	2
560.00	2000.00	340.64	344.99	G1	WCR																	
950.00	1500.00	341.81	343.48																MBA		ALL	3
1450.00	2000.00	343.33	344.99					5.00	11.00	LOGE	OPER											
1500.00	1718.00	343.48	344.14																MS		ALL	2
1503.00		343.49		G1	WCR																	
1557.00		343.65		G1	WCR																	
1583.00		343.73		G1	WCR																	
1596.00		343.77		G1	WCR																	
1683.00		344.03		G1	WCR																	
1695.00		344.07		G1	WCR																	
1703.00		344.09		G1	WCR																	
1718.00	1899.00	344.14	344.68																MS		ALL	2
1899.00	1946.00	344.68	344.83																MVS		ALL	2
1946.00	2000.00	344.83	344.99																MVS		ALL	2
1951.00		344.84		G1	WCR																	
1968.00		344.89		G1	WCR																	
1986.00		344.95		G1	WCR																	

Statistics

top (m)	base (m)	Ages (Harland mA)		SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	9.00	281.61						5.00	11.00													
Max	2000.00	344.99						5.00	11.00													
No.	22	22		11	11			1	1	1	1								10		10	
Mean								5.00	11.00													

RESFACS Database

Spirit Hill 1 -15.505556 129.071667 Bonaparte Basin Burt Range Embayment
PEDIN/File numbers: W8590001 62/1026

top (m)	base (m)	Ages (Harland mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
149.32	149.45				1.00				CORE	BMR										
149.35			L1	WCR																
182.88	205.75		L1	WCR																
210.31	210.46				17.80				CORE	BMR	431.0				420.0	CORE	BMR			
259.38	259.57				3.20				CORE	BMR										
289.56	289.71				1.50				CORE	BMR										
304.92	305.10				1.50				CORE	BMR										
307.13					.40				CORE	BMR										
308.76					.50				CORE	BMR										
312.42					.80				CORE	BMR										
320.50									CORE	BMR										
325.45					4.00				CORE	BMR										
329.64					1.80				CORE	BMR										
335.28	335.43				3.70				CORE	BMR										
350.52	350.67				4.00				CORE	BMR										
365.76	365.94				5.70				CORE	BMR										
381.00	381.18				5.50				CORE	BMR					5.4	CORE	BMR			
395.02					16.00				CORE	BMR										
396.24	396.39				13.60				CORE	BMR										
441.96	442.14				16.20				CORE	BMR	6.8				1.3	CORE	BMR			
457.20	457.38				3.30				CORE	BMR										
472.44	472.59				2.00				CORE	BMR										
487.53	487.68				5.00				CORE	BMR										
502.92	503.07				15.30				CORE	BMR	9.2				9.0	CORE	BMR			
518.16	518.34				3.00				CORE	BMR										
548.64	548.79				4.00				CORE	BMR										
554.13	554.43				1.20				CORE	BMR										
554.13			L1	WCR																
563.88	564.06				1.40				CORE	BMR										
579.12	579.27				3.50				CORE	BMR										
624.84	624.99				1.40				CORE	BMR										
640.08	640.23				1.50				CORE	BMR										
655.32	655.47				8.10				CORE	BMR										
670.56	670.71				1.90				CORE	BMR										
685.80	685.95				4.00				CORE	BMR										
691.59			L1	WCR																
691.74	691.90				3.00				CORE	BMR										
701.04	701.19				4.80				CORE	BMR										
716.30	716.46				9.50				CORE	BMR	34.3				18.6	CORE	BMR			
731.52	731.67				1.70				CORE	BMR										

Spirit Hill 1

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	Source	
Min	149.32					0.40						6.8				1.3						
Max	731.67					17.80						431.0				420.0						
No.	40			4	4	35				36	36	4				5	5	5				
Mean						4.91						120.3				90.9						

RESFACS Database

Tern 1 -13.220833 128.064722 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6710022 N/A

top (m)	base (m)	Ages (Harland)	Ages mA	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
104.00	277.00	0.02	60.10																CDP		WCR	3
277.00	359.00	60.10	91.65																LDF		ALL	3
359.00	545.00	91.65	99.18																CSFL		ALL	3
545.00	1103.00	99.18	125.00																MS		ALL	2
1002.18	1002.33	109.00	109.01			8.50				CORE	BMR	.1				.1	CORE	BMR				
1097.28	1234.44	120.81	145.01				20.00			LOGE	OPER											
1103.00	1139.00	125.00	139.44																MS	OB	ALL	3
1139.00	1241.00	139.44	145.24																MS	OB	ALL	3
1219.43	1219.61	144.49	144.50			14.00				CORE	BMR	.2				.2	CORE	BMR				
1220.11		144.52				12.00				CORE	GSER	1.8					CORE	GSER				
1220.72		144.54				20.20				CORE	GSER	6.0					CORE	GSER				
1221.64		144.57				5.50				CORE	GSER	.3					CORE	GSER				
1222.45	1222.60	144.60	144.61			14.70				CORE	BMR	.5				.3	CORE	BMR				
1223.16		144.63				16.60				CORE	GSER	7.0					CORE	GSER				
1241.00	1331.00	145.24	150.77																			
1328.93	1935.48	150.36	243.35				20.00			LOGE	OPER								MS		ALL	2
1331.00	1675.00	150.77	204.07																			
1402.08	1402.28	157.13	157.15			15.10				CORE	BMR	7.1				7.1	CORE	BMR	CDP		ALL	3
1402.16		157.14				10.80				CORE	GSER	19.0					CORE	GSER				
1408.40		157.58				9.00				CORE	GSER	30.0					CORE	GSER				
1675.00	1932.00	204.07	243.29																			
1932.00	2034.00	243.29	244.66																LDFB		ALL	3
1935.48	2033.02	243.35	244.65				20.00			LOGE	OPER								LDF		ALL	3
2034.00	2521.00	244.66	247.00																			
2034.00	2521.00	244.66	247.00																CDDP		WCR	3
2520.09	2851.40	247.00	256.80	G1	LOGM														CDE		WCR	3
2520.70	2551.18	247.00	247.90				20.00			LOGE	OPER											
2521.00	2551.00	247.00	247.89																			
2535.63		247.43		G1	TFIT														CDD	SMB	ALL	2
2551.00	2585.00	247.89	248.90																			
2584.70	2590.80	248.89	249.07				15.00			LOGE	OPER								CDDP		ALL	2
2585.00	2591.00	248.90	249.08																			
2591.00	2670.00	249.08	251.42																MVS		ALL	2
2621.28	2651.76	249.97	250.88				15.00			LOGE	OPER								CDD	SMB	ALL	2
2670.00	2736.00	251.42	253.38																			
2736.00	2804.00	253.38	255.39																CDDP		ALL	2
2804.00	2832.00	255.39	256.22																MVS		ALL	3
2832.00	2935.00	256.22	259.28																CDDF		ALL	2
2854.45	2871.22	256.89	257.39	G1	LOGM														CDDP		ALL	2
2935.00	2993.00	259.28	261.00																			
2935.22	2950.46	259.29	259.74				5.00			LOGE	OPER								MVS	R	ALL	2
2979.42	2994.66	260.60	261.02				5.00			LOGE	OPER											
2993.00	3569.00	261.00	269.66																MS		ALL	2
3022.14	3022.37	261.44	261.44			11.00				CORE	BMR	.1				.1	CORE	BMR				

Tern 1

3022.44		261.44				4.80				CORE	GSER	.2					CORE	GSER					
3026.66	3054.10	261.51	261.92					5.00		LOGE	OPER												
3032.84		261.60				17.80				CORE	GSER	4.2					CORE	GSER					
3033.25		261.61				19.40				CORE	GSER	1.7					CORE	GSER					
3033.49	3033.67	261.61	261.61			15.30				CORE	BMR	1.0				.2	CORE	BMR					
3033.90		261.62				13.70				CORE	GSER	1.2					CORE	GSER					
3035.50		261.64				5.70				CORE	GSER	.8					CORE	GSER					
3036.69	3036.80	261.66	261.66			13.20				CORE	BMR	.1				.1	CORE	BMR					
3037.33		261.67				6.00				CORE	GSER	.4					CORE	GSER					
3291.84	4351.63	265.49	297.24	G1	LOGM																		
3522.09	3522.24	268.96	268.96			7.00				CORE	BMR	.1				.1	CORE	BMR					
3522.17	3523.18	268.96	268.97			11.20				CORE	BMR												
3522.19		268.96				1.00				CORE	GSER	.1					CORE	GSER					
3522.21	3523.18	268.96	268.97									.1				.1	CORE	BMR					
3568.60	4053.84	269.66	276.95					10.00		LOGE	OPER												
3569.00	4057.00	269.66	281.50																MS	OB	ALL	2	
3569.00	4057.00	269.66	281.50																MS	BB	ALL	2	
3811.98		273.32				6.20				CORE	GSER												
3812.84	3813.05	273.33	273.33			8.70				CORE	BMR	1.7				.1	CORE	BMR					
3814.42		273.35				2.40				CORE	GSER												
3815.03	3815.18	273.36	273.36			6.10				CORE	BMR	.1				.1	CORE	BMR					
3816.10		273.38				4.60				CORE	GSER												
3817.01	3817.16	273.39	273.39			9.90				CORE	BMR	.3				.1	CORE	BMR					
3817.01		273.39				4.60				CORE	GSER												
3818.08		273.41				3.80				CORE	GSER												
3818.74	3818.86	273.42	273.42			9.00				CORE	BMR	.1				.1	CORE	BMR					
4057.00	4352.00	281.50	297.25																CDP		ALL	3	
4226.36		292.46		G1	TFIT																		
4342.03	4342.15	296.87	296.87			1.90				CORE	BMR												
4342.06	4342.17	296.87	296.88									.1				.1	CORE	BMR					
4348.07	4348.20	297.10	297.11									.1				.1	CORE	BMR					
4348.07		297.10				3.10				CORE	BMR												
4349.19		297.14				2.30				CORE	GSER												
4350.68	4350.82	297.20	297.21			3.30				CORE	BMR	.1				.1	CORE	BMR					
4351.63		297.24				1.00				CORE	GSER	.2					CORE	GSER					

Statistics

top (m)	base (m)	-----Ages---- (Harland	mA)	--SHOWS-- Show	Srce	----------POROSITY---------- Spot	Aver	Min	Max	Srce	Authr	----------PERMEABILITY---------- Spot	Aver	Min	Max	KV	ENVIRONMENT----- Srce	Auth	Env	Lndfm	Source	Cf
Min	104.00	0.02				1.00	5.00					0.1				0.1						
Max	4352.00	297.25				20.20	20.00					30.0				7.1						
No.	79	79		5	5	36	10			46	46	30				16	30	30	25	7	25	
Mean						8.87	13.50					2.8				0.6						

RESFACS Database

Tern 2 -13.278603 128.132789 Bonaparte Basin Petrel Sub-basin
PEDIN/File numbers: W6810007 81/1245

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
93.00	319.00		60.10																MS		WCR	3
319.00	415.00	60.10	93.95																MS	OB	ALL	3
319.00	415.00	60.10	93.95																MS	BB	ALL	3
415.00	1078.00	93.95	125.00																MS		ALL	3
1078.00	1102.00	125.00	127.61																MS	OB	ALL	3
1078.00	1102.00	125.00	127.61																MS	BB	ALL	3
1102.00	1195.00	127.61	137.70																CDP		ALL	3
1195.00	1267.00	137.70	145.52																CDE		ALL	3
1267.00	1638.00	145.52	213.00																CDP		ALL	3
1267.00	1638.00	145.52	213.00																LDFL		ALL	3
1638.00	1667.00	213.00	219.61																LDF	OB	ALL	3
1638.00	1667.00	213.00	219.61																LDFM	OB	ALL	3
1667.00	1896.00	219.61	240.45																LDFB		ALL	3
1896.00	2053.00	240.45	242.03																CDP		ALL	3
2053.00	2513.00	242.03	246.67																CDDP		ALL	3
2513.00	2546.00	246.67	247.00																CDDP		ALL	3
2545.50	2569.00	246.99	251.29	G5	TDST																	
2545.50	2569.00	246.99	251.29	C3	TDST																	
2546.00	2558.00	247.00	249.24																MVS		ALL	3
2547.00	2578.00	247.19	252.97	G1	MLOG																	
2550.50		247.84				11.10				CORE	ACOR	.1					CORE	ACOR				
2550.85		247.91				15.80				CORE	ACOR	.2					CORE	ACOR				
2551.45		248.02				14.00				CORE	ACOR	.2					CORE	ACOR				
2552.70		248.25				11.00				CORE	ACOR	.2					CORE	ACOR				
2553.20		248.34				13.50				CORE	ACOR	.2					CORE	ACOR				
2553.90		248.47				11.40				CORE	ACOR	.1					CORE	ACOR				
2554.60		248.61				10.80				CORE	ACOR	.2					CORE	ACOR				
2555.40		248.75				22.20				CORE	ACOR	39.6					CORE	ACOR				
2556.20		248.90				10.90				CORE	ACOR	.1					CORE	ACOR				
2557.30		249.11				18.40				CORE	ACOR	.8					CORE	ACOR				
2558.00	2575.00	249.24	252.41																CDD	SMB	ALL	3
2558.90		249.41				24.50				CORE	ACOR	.6					CORE	ACOR				
2559.50		249.52				27.60				CORE	ACOR	5.8					CORE	ACOR				
2560.60		249.73				24.50				CORE	ACOR	10.8					CORE	ACOR				
2560.95		249.79				26.30				CORE	ACOR	34.0					CORE	ACOR				
2561.45		249.88				21.00				CORE	ACOR	34.0					CORE	ACOR				
2561.95		249.98				21.30				CORE	ACOR	5.7					CORE	ACOR				
2562.50		250.08				22.60				CORE	ACOR	11.0					CORE	ACOR				
2562.95		250.16				22.60				CORE	ACOR	19.3					CORE	ACOR				
2563.40		250.25				7.00				CORE	ACOR	.0					CORE	ACOR				
2563.80		250.32				17.00				CORE	ACOR	1.2					CORE	ACOR				
2564.20		250.40				21.90				CORE	ACOR	19.9					CORE	ACOR				
2564.70		250.49				16.30				CORE	ACOR	.4					CORE	ACOR				
2565.30		250.60				21.40				CORE	ACOR	7.4					CORE	ACOR				

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2565.70		250.68				20.10	CORE	ACOR	3.8	CORE	ACOR						
2566.25		250.78				20.70	CORE	ACOR	4.6	CORE	ACOR						
2566.65		250.85				19.10	CORE	ACOR	2.3	CORE	ACOR						
2567.15		250.95				21.20	CORE	ACOR	4.7	CORE	ACOR						
2567.60		251.03				20.90	CORE	ACOR	4.7	CORE	ACOR						
2568.25		251.15				22.40	CORE	ACOR	25.0	CORE	ACOR						
2568.80		251.26				22.70	CORE	ACOR	55.3	CORE	ACOR						
2569.25		251.34				21.40	CORE	ACOR	25.1	CORE	ACOR						
2569.90		251.46				19.40	CORE	ACOR	3.9	CORE	ACOR						
2570.70		251.61				20.80	CORE	ACOR	1.5	CORE	ACOR						
2571.30		251.72				16.60	CORE	ACOR	.4	CORE	ACOR						
2571.50		251.76				25.20	CORE	ACOR	1.2	CORE	ACOR						
2572.20		251.89				23.50	CORE	ACOR	.4	CORE	ACOR						
2572.95		252.03				11.00	CORE	ACOR	.1	CORE	ACOR						
2573.35		252.11				16.20	CORE	ACOR	.3	CORE	ACOR						
2573.85		252.20				21.90	CORE	ACOR	.2	CORE	ACOR						
2574.70		252.36				15.50	CORE	ACOR	.1	CORE	ACOR						
2575.00	2606.00	252.41	258.20									CDDF		ALL	3		
2606.00	2621.00	258.20	261.00									MVS	R	ALL	3		
2619.00		260.63		G1	WCR												
2621.00	2632.00	261.00	261.17									CDD	SMB	ALL	3		
2632.00	2654.00	261.17	261.51									CDDF		ALL	3		
2654.00	2687.00	261.51	262.02									CDD	SMB	ALL	3		
2687.00	2810.00	262.02	263.91									CDDF		ALL	3		
2810.00	2865.00	263.91	264.76									CDDP		ALL	3		
2865.00	2928.00	264.76	265.73									CDD	SMB	ALL	3		
2928.00	2990.00	265.73	266.69									CDDF		ALL	3		
2990.00	3046.00	266.69	267.55									MVS	R	ALL	3		
3045.00	3061.00	267.54	267.78	G1	LOGM												
3046.00	3063.00	267.55	267.81									CDD	SMB	ALL	3		
3048.00		267.58				5.80	CORE	ACOR	.1	CORE	ACOR						
3048.30		267.59				9.30	CORE	ACOR	.1	CORE	ACOR						
3048.70		267.59				7.20	CORE	ACOR	.1	CORE	ACOR						
3049.00		267.60				8.80	CORE	ACOR	.1	CORE	ACOR						
3050.30		267.62				17.90	CORE	ACOR	1.6	CORE	ACOR						
3050.50		267.62				24.80	CORE	ACOR	27.0	CORE	ACOR						
3050.80		267.63				18.10	CORE	ACOR	.6	CORE	ACOR						
3050.90		267.63				23.80	CORE	ACOR	6.8	CORE	ACOR						
3051.00		267.63				22.50	CORE	ACOR	4.8	CORE	ACOR						
3051.20		267.63				23.60	CORE	ACOR	11.7	CORE	ACOR						
3051.50		267.64				21.80	CORE	ACOR	15.6	CORE	ACOR						
3051.60		267.64				21.70	CORE	ACOR	4.6	CORE	ACOR						
3051.80		267.64				21.80	CORE	ACOR	2.9	CORE	ACOR						
3052.35		267.65				11.60	CORE	ACOR	.2	CORE	ACOR						
3053.30		267.66				12.80	CORE	ACOR	.1	CORE	ACOR						
3054.20		267.68				2.30	CORE	ACOR	.0	CORE	ACOR						
3054.80		267.69				19.70	CORE	ACOR	.6	CORE	ACOR						
3055.00		267.69				20.30	CORE	ACOR	.9	CORE	ACOR						
3055.30		267.69				18.40	CORE	ACOR	.5	CORE	ACOR						
3055.70		267.70				12.00	CORE	ACOR	.3	CORE	ACOR						
3056.30		267.71				19.80	CORE	ACOR	.4	CORE	ACOR						
3056.70		267.72				19.00	CORE	ACOR	.4	CORE	ACOR						
3057.00		267.72				16.20	CORE	ACOR	.2	CORE	ACOR						

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Tern  2
3057.50          267.73                    15.60                    CORE  ACOR     .1                          CORE ACOR
3058.00          267.74                    16.40                    CORE  ACOR     .2                          CORE ACOR
3058.40          267.74                    18.50                    CORE  ACOR     .1                          CORE ACOR
3063.00 3089.00 267.81 268.21                                                                                          CDDF       ALL    3
3089.00 3110.00 268.21 268.54                                                                                          CDD   SMB  ALL    3
3092.00 3110.00 268.26 268.54 G1    LOGM
3110.00 3140.00 268.54 269.00                                                                                          CDDF       ALL    3

    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 Source
======= ======= ====== ====== ==== ==== ===== ===== ===== ===== ===== ==== ====== ====== ====== ====== ====== ==== ==== ==== ==== ====   =
 Min      93.00                          2.30                                0.0
 Max    3140.00 269.00                  27.60                               55.3
 No.        104    103           6    6    66                      66   66     66                                66   66   32   14   32
 Mean                                    17.90                                6.1
======= ======= ====== ====== ==== ==== ===== ===== ===== ===== ===== ==== ====== ====== ====== ====== ====== ==== ==== ==== ==== ====   =
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RESFACS Database

Petrel Sub-basin

Tern 3 -13.3356 128.104117 Bonaparte Basin
PEDIN/File numbers: W6820009 82/1271

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
93.00	270.00	0.05	60.10																MS		ALL	4
270.00	320.00	60.10	92.67																CDP	SMB	ALL	3
320.00	960.00	92.67	116.20																MS		ALL	3
960.00	968.00	116.20	125.00																MVS		ALL	3
968.00	1030.00	125.00	132.59																MS		ALL	3
1030.00	1052.00	132.59	135.28																CDP		ALL	3
1052.00	1118.00	135.28	143.35																CDE		ALL	3
1118.00	1468.00	143.35	213.00																LDFB		ALL	3
1468.00	1497.00	213.00	217.26																CDE		ALL	3
1497.00	1523.00	217.26	221.08																CDE	SMB	ALL	3
1523.00	1583.00	221.08	229.89																CDE		ALL	3
1583.00	1764.00	229.89	240.19																CDP		ALL	3
1764.00	1909.00	240.19	241.63																CDE		ALL	3
1909.00	2400.00	241.63	246.52																CDDP		ALL	3
2300.00	2683.00	245.53	250.50	G1	LOGM																	
2400.00	2448.00	246.52	247.00																CDDP		ALL	3
2448.00	2488.00	247.00	247.60																CDD	SMB	ALL	3
2450.10		247.03				12.80				CORE	OPER	1.5					CORE	ACOR				
2450.40		247.04				13.40				CORE	OPER	4.4					CORE	ACOR				
2450.50	2451.20	247.04	247.05				22.00			LOGN	OPER											
2450.50	2451.20	247.04	247.05				13.20			LOGN	OPER											
2450.50	2451.20	247.04	247.05				12.10			LOGN	OPER											
2450.70		247.04				11.00				CORE	OPER	14.8					CORE	ACOR				
2451.00		247.04				13.60				CORE	OPER	39.7					CORE	ACOR				
2451.20	2452.00	247.05	247.06				19.00			LOGN	OPER											
2451.20	2452.00	247.05	247.06				12.50			LOGN	OPER											
2451.20	2452.00	247.05	247.06				11.40			LOGN	OPER											
2451.30		247.05				8.60				CORE	OPER	5.0					CORE	ACOR				
2451.60		247.05				8.50				CORE	OPER	4.0					CORE	ACOR				
2451.90		247.06				9.30				CORE	OPER	9.0					CORE	ACOR				
2452.00	2453.00	247.06	247.07				13.00			LOGN	OPER											
2452.00	2453.00	247.06	247.07				5.80			LOGN	OPER											
2452.00	2453.00	247.06	247.07				4.80			LOGN	OPER											
2452.20		247.06				7.90				CORE	OPER	4.9					CORE	ACOR				
2452.50		247.07				7.70				CORE	OPER	1.5					CORE	ACOR				
2452.85		247.07				7.50				CORE	OPER	1.0					CORE	ACOR				
2453.00	2454.00	247.07	247.09				11.50			LOGN	OPER											
2453.00	2454.00	247.07	247.09				7.60			LOGN	OPER											
2453.00	2454.00	247.07	247.09				6.50			LOGN	OPER											
2453.10		247.08				8.50				CORE	OPER	5.5					CORE	ACOR				
2453.30		247.08				8.70				CORE	OPER	2.3					CORE	ACOR				
2454.00	2455.50	247.09	247.11				17.00			LOGN	OPER											
2454.00	2455.50	247.09	247.11				10.50			LOGN	OPER											
2454.00	2455.50	247.09	247.11				10.00			LOGN	OPER											

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2456.00	2457.00	247.12	247.13		15.00	LOGN	OPER			
2456.00	2457.00	247.12	247.13		11.80	LOGN	OPER			
2456.00	2457.00	247.12	247.13		11.20	LOGN	OPER			
2457.00	2458.00	247.13	247.15		12.50	LOGN	OPER			
2457.00	2458.00	247.13	247.15		17.60	LOGN	OPER			
2457.00	2458.00	247.13	247.15		16.80	LOGN	OPER			
2458.00	2459.30	247.15	247.17		16.00	LOGN	OPER			
2458.00	2459.30	247.15	247.17		13.80	LOGN	OPER			
2458.00	2459.30	247.15	247.17		12.80	LOGN	OPER			
2459.30	2460.50	247.17	247.19		19.00	LOGN	OPER			
2459.30	2460.50	247.17	247.19		7.30	LOGN	OPER			
2459.30	2460.50	247.17	247.19		4.30	LOGN	OPER			
2461.20	2462.20	247.20	247.21		19.00	LOGN	OPER			
2461.20	2462.20	247.20	247.21		13.50	LOGN	OPER			
2461.20	2462.20	247.20	247.21		11.40	LOGN	OPER			
2461.20		247.20		15.80		CORE	OPER	9.2		CORE ACOR
2461.50		247.20		16.90		CORE	OPER	8.2		CORE ACOR
2461.80		247.21		8.00		CORE	OPER	5.6		CORE ACOR
2462.10		247.21		15.30		CORE	OPER	8.3		CORE ACOR
2462.40		247.21		13.90		CORE	OPER	9.3		CORE ACOR
2462.60	2464.00	247.22	247.24		22.50	LOGN	OPER			
2462.60	2464.00	247.22	247.24		11.70	LOGN	OPER			
2462.60	2464.00	247.22	247.24		9.30	LOGN	OPER			
2462.70		247.22		13.30		CORE	OPER	2.8		CORE ACOR
2463.00		247.22		7.70		CORE	OPER	1.6		CORE ACOR
2463.30		247.23		9.70		CORE	OPER	2.1		CORE ACOR
2463.60		247.23		7.10		CORE	OPER	1.3		CORE ACOR
2463.90		247.24		7.20		CORE	OPER	1.8		CORE ACOR
2464.00	2465.50	247.24	247.26		18.50	LOGN	OPER			
2464.00	2465.50	247.24	247.26		8.00	LOGN	OPER			
2464.00	2465.50	247.24	247.26		3.20	LOGN	OPER			
2464.20		247.24		9.10		CORE	OPER	1.3		CORE ACOR
2464.55		247.25		6.90		CORE	OPER	1.5		CORE ACOR
2464.80		247.25		12.20		CORE	OPER	3.1		CORE ACOR
2465.10		247.25		15.40		CORE	OPER	4.0		CORE ACOR
2465.40		247.26		9.90		CORE	OPER	4.8		CORE ACOR
2465.50	2467.00	247.26	247.28		21.50	LOGN	OPER			
2465.50	2467.00	247.26	247.28		13.00	LOGN	OPER			
2465.50	2467.00	247.26	247.28		9.50	LOGN	OPER			
2465.70		247.26		19.40		CORE	OPER	11.0		CORE ACOR
2466.00		247.27		10.10		CORE	OPER	5.4		CORE ACOR
2466.30		247.27		21.10		CORE	OPER	11.9		CORE ACOR
2466.70		247.28		14.70		CORE	OPER	4.3		CORE ACOR
2466.90		247.28		18.90		CORE	OPER	5.8		CORE ACOR
2467.00	2468.00	247.28	247.30		28.00	LOGN	OPER			
2467.00	2468.00	247.28	247.30		17.20	LOGN	OPER			
2467.00	2468.00	247.28	247.30		14.20	LOGN	OPER			
2467.20		247.29		11.20		CORE	OPER	6.2		CORE ACOR
2467.50		247.29		21.00		CORE	OPER	12.9		CORE ACOR

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2467.80		247.29		18.00		CORE	OPER	8.1		CORE ACOR
2468.00	2469.00	247.30	247.31		22.50	LOGN	OPER			
2468.00	2469.00	247.30	247.31		15.90	LOGN	OPER			
2468.00	2469.00	247.30	247.31		12.90	LOGN	OPER			
2468.10		247.30		21.20		CORE	OPER	13.2		CORE ACOR
2468.50		247.31		21.00		CORE	OPER	11.6		CORE ACOR
2468.80		247.31		21.50		CORE	OPER	23.2		CORE ACOR
2469.00		247.31		19.10		CORE	OPER	12.4		CORE ACOR
2469.30		247.32		19.90		CORE	OPER	20.0		CORE ACOR
2469.50	2470.40	247.32	247.33	30.00		LOGN	OPER			
2469.50	2470.40	247.32	247.33	17.00		LOGN	OPER			
2469.50	2470.40	247.32	247.33	13.60		LOGN	OPER			
2469.60		247.32		21.30		CORE	OPER	19.6		CORE ACOR
2469.90		247.33		17.90		CORE	OPER	9.4		CORE ACOR
2470.20		247.33		20.80		CORE	OPER	13.3		CORE ACOR
2470.40	2471.60	247.33	247.35		31.00	LOGN	OPER			
2470.40	2471.60	247.33	247.35		19.20	LOGN	OPER			
2470.40	2471.60	247.33	247.35		16.80	LOGN	OPER			
2470.50		247.34		12.50		CORE	OPER	5.0		CORE ACOR
2470.80		247.34		22.00		CORE	OPER	30.3		CORE ACOR
2471.10		247.34		19.30		CORE	OPER	21.1		CORE ACOR
2471.40		247.35		17.40		CORE	OPER	9.1		CORE ACOR
2471.60	2472.80	247.35	247.37		30.00	LOGN	OPER			
2471.60	2472.80	247.35	247.37		19.60	LOGN	OPER			
2471.60	2472.80	247.35	247.37		16.60	LOGN	OPER			
2471.70		247.35		18.00		CORE	OPER	7.8		CORE ACOR
2472.00		247.36		21.00		CORE	OPER	14.2		CORE ACOR
2472.30		247.36		22.10		CORE	OPER	30.7		CORE ACOR
2472.60		247.37		18.40		CORE	OPER	11.9		CORE ACOR
2472.90		247.37		21.80		CORE	OPER	33.4		CORE ACOR
2473.20		247.38		21.40		CORE	OPER	19.0		CORE ACOR
2473.50	2475.00	247.38	247.40		28.50	LOGN	OPER			
2473.50	2475.00	247.38	247.40		19.30	LOGN	OPER			
2473.50	2475.00	247.38	247.40		17.50	LOGN	OPER			
2473.50		247.38		20.70		CORE	OPER	30.4		CORE ACOR
2473.80		247.38		21.20		CORE	OPER	26.6		CORE ACOR
2474.10		247.39		19.30		CORE	OPER	18.9		CORE ACOR
2474.40		247.39		20.80		CORE	OPER	29.9		CORE ACOR
2474.70		247.40		21.30		CORE	OPER	39.2		CORE ACOR
2475.00		247.40		8.50		CORE	OPER	1.6		CORE ACOR
2475.30		247.41		20.00		CORE	OPER	18.8		CORE ACOR
2475.80		247.41		20.10		CORE	OPER	23.9		CORE ACOR
2476.00	2477.00	247.42	247.43		24.50	LOGN	OPER			
2476.00	2477.00	247.42	247.43		18.30	LOGN	OPER			
2476.00	2477.00	247.42	247.43		16.30	LOGN	OPER			
2476.10		247.42		20.00		CORE	OPER	32.9		CORE ACOR
2476.40		247.42		20.40		CORE	OPER	66.8		CORE ACOR
2476.70		247.43		19.80		CORE	OPER	30.9		CORE ACOR
2477.00		247.43		21.90		CORE	OPER	30.9		CORE ACOR

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2477.30		247.44			17.30			CORE	OPER	40.9				CORE	ACOR						
2477.60		247.44			18.70			CORE	OPER	13.2				CORE	ACOR						
2477.90		247.45			19.10			CORE	OPER	21.4				CORE	ACOR						
2478.20		247.45			15.90			CORE	OPER	20.0				CORE	ACOR						
2478.50		247.45			16.70			CORE	OPER	16.7				CORE	ACOR						
2478.90		247.46			19.50			CORE	OPER	27.4				CORE	ACOR						
2480.00	2481.00	247.48	247.49			22.00		LOGN	OPER												
2480.00	2481.00	247.48	247.49			18.80		LOGN	OPER												
2480.00	2481.00	247.48	247.49			16.40		LOGN	OPER												
2482.00	2483.00	247.51	247.52			19.00		LOGN	OPER												
2482.00	2483.00	247.51	247.52			16.60		LOGN	OPER												
2482.00	2483.00	247.51	247.52			14.20		LOGN	OPER												
2484.00	2485.00	247.54	247.55			24.50		LOGN	OPER												
2484.00	2485.00	247.54	247.55			20.60		LOGN	OPER												
2484.00	2485.00	247.54	247.55			17.10		LOGN	OPER												
2488.00	2522.00	247.60	248.10													CDDF		ALL	3		
2522.00	2539.00	248.10	248.36													MVS	R	ALL	2		
2523.30	2524.80	248.12	248.14			6.00		LOGN	OPER												
2523.30	2524.80	248.12	248.14			10.80		LOGN	OPER												
2524.80	2526.00	248.14	248.16			2.00		LOGN	OPER												
2524.80	2526.00	248.14	248.16			7.20		LOGN	OPER												
2526.00	2527.20	248.16	248.18			6.00		LOGN	OPER												
2526.00	2527.20	248.16	248.18			6.20		LOGN	OPER												
2527.20	2528.70	248.18	248.20			3.50		LOGN	OPER												
2527.20	2528.70	248.18	248.20			5.80		LOGN	OPER												
2528.70	2530.10	248.20	248.22			2.00		LOGN	OPER												
2528.70	2530.10	248.20	248.22			1.30		LOGN	OPER												
2539.00	2629.00	248.36	249.70													CDD	SMB	ALL	3		
2545.30	2547.10	248.45	248.48			15.00		LOGN	OPER												
2545.30	2547.10	248.45	248.48			17.50		LOGN	OPER												
2545.30	2547.10	248.45	248.48			17.50		LOGN	OPER												
2547.10	2549.10	248.48	248.51			14.50		LOGN	OPER												
2547.10	2549.10	248.48	248.51			18.20		LOGN	OPER												
2547.10	2549.10	248.48	248.51			18.20		LOGN	OPER												
2549.10	2551.20	248.51	248.54			14.00		LOGN	OPER												
2549.10	2551.20	248.51	248.54			17.30		LOGN	OPER												
2549.10	2551.20	248.51	248.54			17.30		LOGN	OPER												
2562.40	2564.70	248.70	248.74			15.00		LOGN	OPER												
2562.40	2564.70	248.70	248.74			18.60		LOGN	OPER												
2562.40	2564.70	248.70	248.74			18.60		LOGN	OPER												
2629.00	2670.00	249.70	250.31													CDDF		ALL	3		
2670.00	2683.00	250.31	250.50													CDD	SMB	ALL	3		

Statistics

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	
Min	93.00	0.05				6.90	1.30					1.0										
Max	2683.00	250.50				30.00	31.00					66.8										
No.	184	184		1	1	74	88			162	162	71					71	71	21	6	21	
Mean						15.93	14.61					14.4										

RESFACS Database

Turtle 1 -14.476608 128.944842 Bonaparte Basin Petrel Sub-basin

PEDIN/File numbers: W6840001 83/1309

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	ENVIRONMENT Srce	ENVIRONMENT Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source
607.00	623.00	254.98	259.94	L2	LOGM																
623.00	948.00	259.94	274.23	G1	WCR																
948.00	953.50	274.23	274.28	L2	CORE																
948.00	953.50	274.23	274.28	G1	CORE																
951.25		274.26				25.50				CORE	ACOR	1311.0					CORE	ACOR			
951.55		274.26										6.9					CORE	ACOR			
951.85		274.27										1484.0					CORE	ACOR			
952.00	955.00	274.27	274.29	G1	TDST																
952.00	955.00	274.27	274.29	L2	TDST																
952.15		274.27				26.30				CORE	ACOR	1495.0					CORE	ACOR			
952.45		274.27										684.0					CORE	ACOR			
952.75		274.28										2169.0					CORE	ACOR			
953.05		274.28				29.70				CORE	ACOR	1880.0					CORE	ACOR			
953.37		274.28										1312.0					CORE	ACOR			
953.65		274.28										1659.0					CORE	ACOR			
953.95		274.29										1297.0					CORE	ACOR			
954.35		274.29				27.70				CORE	ACOR	279.0					CORE	ACOR			
954.65		274.29										41.8					CORE	ACOR			
954.95		274.29										285.0					CORE	ACOR			
955.25		274.30				27.60				CORE	ACOR	435.0					CORE	ACOR			
955.55		274.30										270.0					CORE	ACOR			
955.85		274.30										259.0					CORE	ACOR			
956.15		274.30				26.90				CORE	ACOR	372.0					CORE	ACOR			
956.45		274.31										490.0					CORE	ACOR			
956.75		274.31										375.0					CORE	ACOR			
957.05		274.31				28.30				CORE	ACOR	925.0					CORE	ACOR			
957.35		274.32										318.0					CORE	ACOR			
957.65		274.32										171.0					CORE	ACOR			
957.95		274.32										1085.0					CORE	ACOR			
958.25		274.32				27.70				CORE	ACOR	1359.0					CORE	ACOR			
958.55		274.33										2051.0					CORE	ACOR			
958.85		274.33										1139.0					CORE	ACOR			
959.15		274.33				27.50				CORE	ACOR	917.0					CORE	ACOR			
959.45		274.33										836.0					CORE	ACOR			
959.75		274.34										1128.0					CORE	ACOR			
960.05		274.34				26.30				CORE	ACOR	439.0					CORE	ACOR			
960.35		274.34										1016.0					CORE	ACOR			
960.65		274.34										688.0					CORE	ACOR			
960.95		274.35										22.1					CORE	ACOR			
961.25		274.35				22.10				CORE	ACOR	48.9					CORE	ACOR			
961.55		274.35										107.0					CORE	ACOR			
961.85		274.35										441.0					CORE	ACOR			
962.15		274.36				22.90				CORE	ACOR	1849.0					CORE	ACOR			
962.45		274.36										9.6					CORE	ACOR			

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962.75		274.36							2892.0		CORE ACOR
963.05		274.37			20.70		CORE	ACOR	43.3		CORE ACOR
963.35		274.37							2507.0		CORE ACOR
963.65		274.37							2051.0		CORE ACOR
963.95		274.37							1484.0		CORE ACOR
964.25		274.38			28.00		CORE	ACOR	1635.0		CORE ACOR
964.55		274.38							660.0		CORE ACOR
964.85		274.38							660.0		CORE ACOR
965.15		274.38			27.80		CORE	ACOR	594.0		CORE ACOR
965.45		274.39							714.0		CORE ACOR
965.75		274.39							1139.0		CORE ACOR
966.05		274.39			27.90		CORE	ACOR	757.0		CORE ACOR
966.35		274.39							1025.0		CORE ACOR
966.65		274.40							767.0		CORE ACOR
966.95		274.40							2051.0		CORE ACOR
967.25		274.40			28.00		CORE	ACOR	2302.0		CORE ACOR
967.55		274.40							157.0		CORE ACOR
967.85		274.41							53.0		CORE ACOR
968.15		274.41			14.80		CORE	ACOR	1.7		CORE ACOR
1225.00	1470.00	276.74	282.17	L2	WCR						
1225.00	1470.00	276.74	282.17	G1	WCR						
1317.90		278.14			14.00		CORE	ACOR	1157.0		CORE ACOR
1318.20		278.15			21.30		CORE	ACOR	344.0		CORE ACOR
1318.50		278.15							181.0		CORE ACOR
1318.80		278.16							9.0		CORE ACOR
1319.10		278.16			22.20		CORE	ACOR	169.0		CORE ACOR
1319.40		278.17							27.4		CORE ACOR
1319.70		278.17							717.0		CORE ACOR
1320.00		278.17			28.20		CORE	ACOR	2924.0		CORE ACOR
1320.30		278.18							.1		CORE ACOR
1320.60		278.18							.1		CORE ACOR
1320.90		278.19							.1		CORE ACOR
1321.20		278.19			16.90		CORE	ACOR	6.4		CORE ACOR
1321.50		278.20							11.9		CORE ACOR
1321.80		278.20							772.0		CORE ACOR
1322.20		278.21			10.50		CORE	ACOR	11.6		CORE ACOR
1322.50		278.21							.1		CORE ACOR
1322.80		278.22							1089.0		CORE ACOR
1323.10		278.22			24.20		CORE	ACOR	1010.0		CORE ACOR
1323.40		278.23							855.0		CORE ACOR
1323.70		278.23							184.0		CORE ACOR
1324.10		278.24			21.80		CORE	ACOR	193.0		CORE ACOR
1324.40		278.24							1339.0		CORE ACOR
1324.70		278.25							761.0		CORE ACOR
1325.00		278.25			26.00		CORE	ACOR	823.0		CORE ACOR
1325.30		278.25							1565.0		CORE ACOR
1325.60		278.26							882.0		CORE ACOR
1325.90		278.26							934.0		CORE ACOR
1326.20		278.27			24.60		CORE	ACOR	527.0		CORE ACOR
1326.50		278.27							21.1		CORE ACOR
1326.80		278.28							.1		CORE ACOR
1327.10		278.28			6.72		CORE	ACOR	.1		CORE ACOR
1327.40		278.29							.1		CORE ACOR

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1327.70		278.29							.1	CORE ACOR
1328.00		278.30			17.90		CORE	ACOR	.1	CORE ACOR
1328.30		278.30							.1	CORE ACOR
1328.60		278.30							.1	CORE ACOR
1328.90		278.31							.1	CORE ACOR
1329.20		278.31			3.43		CORE	ACOR	.1	CORE ACOR
1329.50		278.32							198.0	CORE ACOR
1329.80		278.32							757.0	CORE ACOR
1330.20		278.33			24.10		CORE	ACOR	803.0	CORE ACOR
1330.50		278.33							681.0	CORE ACOR
1330.80		278.34							476.0	CORE ACOR
1331.20		278.34			24.20		CORE	ACOR	672.0	CORE ACOR
1331.50		278.35							717.0	CORE ACOR
1331.80		278.35							161.0	CORE ACOR
1332.20		278.36			21.50		CORE	ACOR	279.0	CORE ACOR
1332.50		278.36							205.0	CORE ACOR
1332.80		278.37							306.0	CORE ACOR
1333.20		278.37			20.80		CORE	ACOR	351.0	CORE ACOR
1457.20		281.81			17.10		CORE	ACOR	36.9	CORE ACOR
1457.50		281.82							8.2	CORE ACOR
1457.80		281.83							.1	CORE ACOR
1458.10		281.84			5.23		CORE	ACOR	.1	CORE ACOR
1458.40		281.85							.1	CORE ACOR
1458.70		281.85							.1	CORE ACOR
1459.20		281.87			4.55		CORE	ACOR	.1	CORE ACOR
1459.50		281.88							.1	CORE ACOR
1459.80		281.88							.1	CORE ACOR
1460.10		281.89			3.69		CORE	ACOR	.1	CORE ACOR
1460.40		281.90							.1	CORE ACOR
1460.70		281.91							.1	CORE ACOR
1461.00		281.92			9.56		CORE	ACOR	.1	CORE ACOR
1461.30		281.93							.1	CORE ACOR
1461.60		281.93							3.6	CORE ACOR
1461.90		281.94							.1	CORE ACOR
1462.20		281.95			20.00		CORE	ACOR	95.2	CORE ACOR
1462.40		281.96							26.0	CORE ACOR
1462.50		281.96							62.1	CORE ACOR
1463.10		281.98			16.70		CORE	ACOR	268.9	CORE ACOR
1463.40		281.98							92.2	CORE ACOR
1463.70		281.99							134.4	CORE ACOR
1464.00		282.00			16.20		CORE	ACOR	57.2	CORE ACOR
1464.30		282.01							49.3	CORE ACOR
1464.60		282.02							.1	CORE ACOR
1464.90		282.03							280.4	CORE ACOR
1465.20		282.03			20.00		CORE	ACOR	188.7	CORE ACOR
1465.50		282.04							.1	CORE ACOR
1465.80		282.05							.1	CORE ACOR
1466.00	1468.00	282.06	282.11	G2	TDST					
1466.00	1468.00	282.06	282.11	L3	TDST					
1466.10		282.06			7.86		CORE	ACOR	.1	CORE ACOR
1466.40		282.07							.1	CORE ACOR
1468.60		282.13			1.66		CORE	ACOR	.1	CORE ACOR
1468.90		282.14							.1	CORE ACOR

Turtle 1

1469.20		282.15				3.30	CORE	ACOR	.1	CORE	ACOR
1470.00	1610.00	282.17	286.12	G1	WCR						
1610.00	1639.70	286.12	287.83	G1	WCR						
1610.00	1639.70	286.12	287.83	L2	WCR						
1615.70	1617.20	286.44	286.53	G3	TDST						
1615.70	1617.20	286.44	286.53	L3	TDST						
1616.30		286.48				14.80	CORE	ACOR	9.1	CORE	ACOR
1616.60		286.50							389.0	CORE	ACOR
1616.90		286.51							527.0	CORE	ACOR
1617.20		286.53				25.70	CORE	ACOR	507.0	CORE	ACOR
1617.50		286.55							.1	CORE	ACOR
1617.80		286.57							.1	CORE	ACOR
1618.10		286.58				23.30	CORE	ACOR	231.0	CORE	ACOR
1618.40		286.60							368.0	CORE	ACOR
1618.70		286.62							108.0	CORE	ACOR
1619.00	1621.00	286.63	286.75	G3	TDST						
1619.00	1621.00	286.63	286.75	L3	TDST						
1619.00	1621.00	286.63	286.75	G4	TDST						
1619.00	1621.00	286.63	286.75	L5	TDST						
1619.00		286.63				23.20	CORE	ACOR	160.0	CORE	ACOR
1619.30		286.65							139.0	CORE	ACOR
1619.60		286.67							146.0	CORE	ACOR
1619.90		286.69							179.0	CORE	ACOR
1620.20		286.70				19.80	CORE	ACOR	165.0	CORE	ACOR
1620.50		286.72							10.8	CORE	ACOR
1620.80		286.74							9.7	CORE	ACOR
1621.10		286.76				17.30	CORE	ACOR	1389.0	CORE	ACOR
1621.40		286.77							2020.0	CORE	ACOR
1621.70		286.79							6.4	CORE	ACOR
1622.00	1624.00	286.81	286.92	G3	TDST						
1622.00	1624.00	286.81	286.92	L3	TDST						
1622.00	1624.00	286.81	286.92	L3	TDST						
1622.10		286.81				17.80	CORE	ACOR	2020.0	CORE	ACOR
1622.40		286.83							84.8	CORE	ACOR
1622.70		286.85							3584.0	CORE	ACOR
1623.00		286.87				23.60	CORE	ACOR	5.2	CORE	ACOR
1623.30		286.88							140.0	CORE	ACOR
1623.60		286.90							114.0	CORE	ACOR
1623.90		286.92							632.0	CORE	ACOR
1624.20		286.93				18.60	CORE	ACOR	135.0	CORE	ACOR
1624.50		286.95							66.3	CORE	ACOR
1624.80		286.97							414.0	CORE	ACOR
1625.10		286.99				17.30	CORE	ACOR	25.2	CORE	ACOR
1625.50		287.01							154.0	CORE	ACOR
1625.80		287.03							102.0	CORE	ACOR
1626.10		287.04				11.10	CORE	ACOR	.1	CORE	ACOR
1626.40		287.06							.1	CORE	ACOR
1626.70		287.08							11.9	CORE	ACOR
1627.00		287.10				17.20	CORE	ACOR	41.8	CORE	ACOR
1627.30		287.11							.1	CORE	ACOR
1627.60		287.13							.1	CORE	ACOR
1627.90		287.15							12.3	CORE	ACOR
1628.20		287.17				16.10	CORE	ACOR	64.9	CORE	ACOR

Turtle 1

1628.50		287.18						.1		CORE ACOR
1628.80		287.20						28.3		CORE ACOR
1629.10		287.22			11.30	CORE	ACOR	.1		CORE ACOR
1629.40		287.23						36.4		CORE ACOR
1629.85		287.26						698.0		CORE ACOR
1630.10		287.27			20.40	CORE	ACOR	1144.0		CORE ACOR
1630.40		287.29						267.0		CORE ACOR
1630.70		287.31						1222.0		CORE ACOR
1631.00		287.33			21.00	CORE	ACOR	2137.0		CORE ACOR
1631.30		287.34						1949.0		CORE ACOR
1631.60		287.36						1372.0		CORE ACOR
1631.90		287.38						1089.0		CORE ACOR
1632.20		287.40			18.80	CORE	ACOR	475.0		CORE ACOR
1632.90		287.44						537.0		CORE ACOR
1633.30		287.46			24.40	CORE	ACOR	650.0		CORE ACOR
1633.60		287.48						2215.0		CORE ACOR
1633.90		287.49						1122.0		CORE ACOR
1634.20		287.51			15.90	CORE	ACOR	475.0		CORE ACOR
1634.50		287.53						661.0		CORE ACOR
1634.80		287.55						463.0		CORE ACOR
1635.10		287.56			22.50	CORE	ACOR	1565.0		CORE ACOR
1635.50		287.59						524.0		CORE ACOR
1635.80		287.60						.1		CORE ACOR
1636.10		287.62			4.90	CORE	ACOR	.1		CORE ACOR
1636.40		287.64						.1		CORE ACOR
1636.70		287.66						.1		CORE ACOR
1637.00		287.67			5.78	CORE	ACOR	.1		CORE ACOR
1637.30		287.69						788.0		CORE ACOR
1637.60		287.71						1658.0		CORE ACOR
1637.90		287.72						1736.0		CORE ACOR
1638.20		287.74			25.20	CORE	ACOR	1764.0		CORE ACOR
1638.50		287.76						1883.0		CORE ACOR
1638.80		287.78						1684.0		CORE ACOR
1639.00	1648.00	287.79	288.31	G1	WCR					
1639.10		287.79			25.30	CORE	ACOR	2179.0		CORE ACOR
1639.40		287.81						1984.0		CORE ACOR
1639.70		287.83						896.0		CORE ACOR
1640.00		287.85			23.50	CORE	ACOR	1170.0		CORE ACOR
1640.30		287.86						457.0		CORE ACOR
1640.60		287.88						731.0		CORE ACOR
1640.90		287.90						1462.0		CORE ACOR
1641.20		287.91			23.00	CORE	ACOR	918.0		CORE ACOR
1641.50		287.93						1235.0		CORE ACOR
1641.80		287.95						1079.0		CORE ACOR
1642.10		287.97			15.10	CORE	ACOR	94.0		CORE ACOR
1642.70		288.00						1182.0		CORE ACOR
1648.00	1715.00	288.31	292.17	G1	WCR					
1715.00	1753.00	292.17	294.36	G1	WCR					
1753.00	1780.00	294.36	295.92	G1	WCR					
1780.00	1850.00	295.92	299.96	G1	WCR					
1890.00	2169.00	302.26	312.60	G1	WCR					
2178.00	2198.00	312.93	313.67	G1	WCR					
2198.00	2200.00	313.67	313.74	G1	WCR					

Turtle 1

2200.00	2295.00	313.74	322.09	G1	WCR																
2200.00	2295.00	313.74	322.09	L2	WCR																
2233.50	2239.00	315.11	315.55	G2	TDST																
2295.00	2315.00	322.09	324.62	G1	WCR																
2295.00	2315.00	322.09	324.62	L2	WCR																
2340.00	2385.00	327.78	333.69	G1	WCR																
2340.00	2385.00	327.78	333.69	L1	WCR																
2385.00	2435.00	333.69	338.11	G1	WCR																
2385.00	2435.00	333.69	338.11	L1	WCR																
2477.00		341.75				.70					CORE	ACOR									
2478.00		341.84				.60					CORE	ACOR									
2479.00		341.92				1.70					CORE	ACOR									
2481.00		341.98				1.20					CORE	ACOR									
2482.30		342.01				8.30					CORE	ACOR									
2483.10		342.02				10.40					CORE	ACOR									
2484.00	2668.00	342.04	345.92	G1	WCR																
2484.00	2668.00	342.04	345.92	L1	WCR																
2484.00		342.04				8.60					CORE	ACOR									
2485.00		342.06				10.80					CORE	ACOR									
2486.00		342.08				4.90					CORE	ACOR									
2487.00		342.10				6.80					CORE	ACOR									
2488.20		342.13				9.60					CORE	ACOR									
2489.00		342.15				9.70					CORE	ACOR									
2490.50		342.18				9.10					CORE	ACOR									
2492.00		342.21				12.20					CORE	ACOR									
2493.00		342.23				9.90					CORE	ACOR									
2668.00	2700.00	345.92	349.63	G1	WCR																

Statistics

Turtle 1

top (m)	base (m)	-----Ages---- (Harland	mA)	--SHOWS-- Show	Srce	----------POROSITY---------- Spot	Aver	Min	Max	Srce	Authr	----------PERMEABILITY---------- Spot	Aver	Min	Max	KV	Srce	ENVIRONMENT----- Auth	Env	Lndfm	Source	
Min	607.00	254.98				0.60						0.1										
Max	2700.00	349.63				29.70						3584.0										
No.	283	283		42	42	89				89	89	226					226	226				
Mean						17.16						580.0										

NO ENVIRONMENT CODES ENTERED FOR TURTLE 1, SEE TURTLE 2

RESFACS Database

Turtle 2 -14.505892 128.945819 Bonaparte Basin
PEDIN/File numbers: W6890006 88/818

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	Cf
58.00	106.00		2.67																CDP		LOGG	4
106.00	264.00	2.67	128.95																CDP		LOGG	4
264.00	273.00	128.95	246.41																CDD	SMB	LOGG	4
273.00	299.00	246.41	247.60																CDDF		LOGG	4
299.00	307.00	247.60	247.97																MVS	R	ALL	2
306.00	550.00	247.92	259.08	L1	WCR																	
306.00	550.00	247.92	259.08	G1	WCR																	
307.00	322.00	247.97	248.65																MVS		ALL	3
322.00	386.00	248.65	251.58																CDD	SMB	ALL	3
386.00	413.00	251.58	252.81																CDDF		ALL	3
413.00	446.00	252.81	254.32																CDD	SMB	ALL	3
446.00	472.00	254.32	255.51																CDDF		ALL	3
472.00	574.00	255.51	260.18																CDDP		ALL	3
573.00	585.00	260.13	260.68	L2	WCR																	
574.00	582.00	260.18	260.54																MVS	R	ALL	2
582.00	592.00	260.54	261.00																MS		ALL	3
592.00	612.00	261.00	261.61																CDD	SMB	ALL	3
612.00	645.00	261.61	262.61																CDDF		ALL	3
645.00	912.00	262.61	270.70																MS		ALL	3
760.00	800.00	266.09	267.31	L1	WCR																	
912.00	1196.00	270.70	276.49																CDP		ALL	3
920.00	940.00	272.01	274.09	L1	WCR																	
922.20		272.37				26.60				CORE	ALAB	224.0					CORE	ALAB				
922.30		272.39														.7	CORE	ALAB				
922.50		272.42										43.0					CORE	ALAB				
922.80		272.47										5.0					CORE	ALAB				
922.90		272.49														27.0	CORE	ALAB				
923.10		272.52				28.90				CORE	ALAB	394.0					CORE	ALAB				
923.40		272.57										101.0					CORE	ALAB				
923.50		272.59														66.0	CORE	ALAB				
923.70		272.62										54.0					CORE	ALAB				
923.90		272.65										1463.0					CORE	ALAB				
924.00		272.67				28.10				CORE	ALAB											
924.10		272.69														.0	CORE	ALAB				
924.70		272.78														.0	CORE	ALAB				
925.00		272.83				16.40				CORE	ALAB	.1					CORE	ALAB				
925.30		272.88										1385.0				.0	CORE	ALAB				
925.60		272.93										1529.0					CORE	ALAB				
925.80		272.96														143.0	CORE	ALAB				
926.20		273.03				29.30				CORE	ALAB	1684.0					CORE	ALAB				
926.40		273.06														21.0	CORE	ALAB				
926.50		273.08										629.0					CORE	ALAB				
926.80		273.13										22.0					CORE	ALAB				
927.00		273.16														657.0	CORE	ALAB				

Turtle 2

927.10	273.18			28.30	CORE	ALAB	138.0			CORE ALAB
927.40	273.23						460.0			CORE ALAB
927.60	273.26								1091.0	CORE ALAB
927.70	273.27	L3	TRFT				679.0			CORE ALAB
928.00	273.32			27.90	CORE	ALAB	1265.0			CORE ALAB
928.20	273.35								186.0	CORE ALAB
928.30	273.36						1896.0			CORE ALAB
928.60	273.41						2076.0			CORE ALAB
928.80	273.44								722.0	CORE ALAB
928.90	273.45						470.0			CORE ALAB
929.20	273.50			28.30	CORE	ALAB	757.0			CORE ALAB
929.40	273.53								445.0	CORE ALAB
929.50	273.54						546.0			CORE ALAB
929.80	273.59						203.0			CORE ALAB
930.00	273.61								108.0	CORE ALAB
930.10	273.63			26.50	CORE	ALAB	76.0			CORE ALAB
930.40	273.67						211.0			CORE ALAB
930.60	273.70								142.0	CORE ALAB
930.70	273.72						257.0			CORE ALAB
931.00	273.76			27.60	CORE	ALAB	252.0			CORE ALAB
931.20	273.79								294.0	CORE ALAB
931.30	273.81						343.0			CORE ALAB
931.60	273.85						389.0			CORE ALAB
931.90	273.90						2352.0		789.0	CORE ALAB
932.10	273.93			28.00	CORE	ALAB	2011.0			CORE ALAB
932.40	273.97						53.0			CORE ALAB
932.50	273.98								5.6	CORE ALAB
932.70	274.01						22.0			CORE ALAB
933.00	274.02			27.30	CORE	ALAB	89.0			CORE ALAB
933.10	274.02								32.0	CORE ALAB
933.70	274.03								2.0	CORE ALAB
933.90	274.03						77.0			CORE ALAB
934.20	274.03			25.40	CORE	ALAB				
934.30	274.03								4.6	CORE ALAB
934.50	274.04						69.0			CORE ALAB
934.80	274.04						55.0			CORE ALAB
934.90	274.04								.0	CORE ALAB
935.10	274.04			23.40	CORE	ALAB				
935.50	274.05								.0	CORE ALAB
935.70	274.05						51.0			CORE ALAB
936.00	274.05			25.70	CORE	ALAB	184.0			CORE ALAB
936.10	274.05								.0	CORE ALAB
936.30	274.05						348.0			CORE ALAB
936.50	274.06								120.0	CORE ALAB
936.60	274.06						2187.0			CORE ALAB
937.00	274.06			29.90	CORE	ALAB				
937.10	274.06								1407.0	CORE ALAB
937.20	274.06						2049.0			CORE ALAB
937.50	274.06						1800.0			CORE ALAB
937.70	274.07								1328.0	CORE ALAB
937.80	274.07						2141.0			CORE ALAB
938.10	274.07			29.00	CORE	ALAB	1468.0			CORE ALAB
938.30	274.07								1080.0	CORE ALAB

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Turtle  2
938.40          274.07                                                  2267.0                          CORE ALAB
938.70          274.08                                                  3053.0                          CORE ALAB
938.90          274.08                                                                        2108.0 CORE ALAB
939.00          274.08                  30.70                   CORE  ALAB 2298.0                       CORE ALAB
939.30          274.08                                                  1148.0                          CORE ALAB
939.60          274.08                                                  1081.0                          CORE ALAB
939.90          274.09                                                   890.0                          CORE ALAB
1120.00 1140.00 275.78 275.97 L1   WCR
1196.00 1216.00 276.49 276.68                                                                     MVS  R    ALL    2
1216.00 1428.00 276.68 280.45                                                                     LDF  B    ALL    3
1428.00 1592.00 280.45 283.62                                                                     LDG       ALL    3
1435.00 1445.00 280.58 280.77 L1   WCR
1439.50         280.67                  24.60                   CORE  ALAB  172.0                       CORE ALAB
1439.60         280.67                                                                         68.0 CORE ALAB
1439.80         280.67                                                   915.0                          CORE ALAB
1440.10         280.68                                                   756.0                          CORE ALAB
1440.16         280.68                  27.30                   CORE  ALAB
1440.20         280.68                                                                         63.0 CORE ALAB
1440.40         280.69                                                     1.8                          CORE ALAB
1440.70         280.69                                                   146.0                          CORE ALAB
1440.80         280.69                                                                           .0 CORE ALAB
1441.00         280.70                  21.20                   CORE  ALAB   76.0                       CORE ALAB
1441.30         280.70                                                    22.0                          CORE ALAB
1441.40         280.70                                                                          1.5 CORE ALAB
1441.60         280.71                                                     1.6                          CORE ALAB
1441.90         280.71                                                      .2                          CORE ALAB
1442.00         280.72                                                                           .7 CORE ALAB
1442.20         280.72                  20.70                   CORE  ALAB   51.0                       CORE ALAB
1442.50         280.73                                                      .5                          CORE ALAB
1442.60         280.73                                                                           .3 CORE ALAB
1442.80         280.73                                                      .2                          CORE ALAB
1443.10         280.74                  14.00                   CORE  ALAB    .2                          CORE ALAB
1443.20         280.74                                                                           .0 CORE ALAB
1491.40 1497.00 281.67 281.78                 16.50             LOGE  OPER
1501.00 1506.80 281.86 281.97                 20.20             LOGE  OPER
1513.00 1522.00 282.09 282.26                 21.30             LOGE  OPER
1590.00 1620.00 283.58 284.16 L2   WCR
1590.00 1620.00 283.58 284.16 G1   WCR
1592.00 1715.00 283.62 286.00                                                                     CDE       ALL    3
1597.60         283.73                  10.80                   CORE  ALAB    .2                          CORE ALAB
1597.80         283.73                                                                           .2 CORE ALAB
1597.90         283.73                                                     2.0                          CORE ALAB
1598.20         283.74                   8.80                   CORE  ALAB    .0                          CORE ALAB
1598.40         283.74                                                                           .0 CORE ALAB
1598.50         283.75                                                      .0                          CORE ALAB
1598.80         283.75                                                      .3                          CORE ALAB
1599.00         283.75                                                                           .0 CORE ALAB
1599.10         283.76                  12.10                   CORE  ALAB    .0                          CORE ALAB
1599.40         283.76                                                      .0                          CORE ALAB
1599.60         283.77                                                                           .0 CORE ALAB
1599.70         283.77                                                      .0                          CORE ALAB
1600.00         283.77                  12.40                   CORE  ALAB    .0                          CORE ALAB
1600.20         283.78                                                                           .0 CORE ALAB
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Turtle 2

1600.30	283.78				.0		CORE ALAB
1600.60	283.79				.0		CORE ALAB
1600.80	283.79					.0	CORE ALAB
1600.90	283.79				.1		CORE ALAB
1601.20	283.80	19.00	CORE	ALAB	.1		CORE ALAB
1601.40	283.80					.0	CORE ALAB
1601.50	283.80				.0		CORE ALAB
1601.80	283.81				.0		CORE ALAB
1602.00	283.81					.0	CORE ALAB
1602.10	283.81	20.70	CORE	ALAB	.0		CORE ALAB
1602.40	283.82				.0		CORE ALAB
1602.60	283.82				.0		CORE ALAB
1602.70	283.83					.0	CORE ALAB
1602.80	283.83				.3		CORE ALAB
1602.90	283.83				.0		CORE ALAB
1603.20	283.84	10.00	CORE	ALAB	.0		CORE ALAB
1603.30	283.84					.0	CORE ALAB
1603.50	283.84				.1		CORE ALAB
1603.90	283.85					.0	CORE ALAB
1604.10	283.85	14.40	CORE	ALAB	.0		CORE ALAB
1604.40	283.86				.0		CORE ALAB
1604.50	283.86					.0	CORE ALAB
1604.70	283.87				.0		CORE ALAB
1605.00	283.87	10.40	CORE	ALAB	.0		CORE ALAB
1605.10	283.87					.0	CORE ALAB
1605.30	283.88				.0		CORE ALAB
1605.50	283.88				.0		CORE ALAB
1605.70	283.88					.0	CORE ALAB
1605.80	283.89				.7		CORE ALAB
1606.10	283.89	25.20	CORE	ALAB	18.0		CORE ALAB
1606.30	283.90					.7	CORE ALAB
1606.40	283.90				.3		CORE ALAB
1606.70	283.90				77.0		CORE ALAB
1606.90	283.91					1.9	CORE ALAB
1607.00	283.91	21.10	CORE	ALAB	1.8		CORE ALAB
1607.30	283.92				116.0		CORE ALAB
1607.50	283.92					8.2	CORE ALAB
1607.60	283.92				11.0		CORE ALAB
1607.90	283.93				74.0		CORE ALAB
1608.10	283.93					.1	CORE ALAB
1608.20	283.93	9.90	CORE	ALAB	.2		CORE ALAB
1608.50	283.94				22.0		CORE ALAB
1609.10	283.95	16.90	CORE	ALAB	10.0		CORE ALAB
1609.40	283.96					.0	CORE ALAB
1610.00	283.97					58.0	CORE ALAB
1610.10	283.97	20.40	CORE	ALAB			
1610.40	283.98				.2		CORE ALAB
1610.60	283.98					1.8	CORE ALAB
1610.70	283.98				.0		CORE ALAB
1611.00	283.99	25.00	CORE	ALAB	2.6		CORE ALAB
1611.20	283.99					.0	CORE ALAB
1611.30	283.99				.0		CORE ALAB
1611.60	284.00				.0		CORE ALAB

Turtle 2

1611.80		284.00										.0	CORE	ALAB			
1611.90		284.00									.0		CORE	ALAB			
1612.20		284.01			7.10			CORE	ALAB		.0		CORE	ALAB			
1612.40		284.01										.0	CORE	ALAB			
1612.50		284.02									.0		CORE	ALAB			
1612.80		284.02									.0		CORE	ALAB			
1613.00		284.03										.0	CORE	ALAB			
1613.10		284.03			8.00			CORE	ALAB		.0		CORE	ALAB			
1613.40		284.03									.0		CORE	ALAB			
1613.60		284.04										.0	CORE	ALAB			
1613.70		284.04									.0		CORE	ALAB			
1614.00		284.05			11.80			CORE	ALAB		.1		CORE	ALAB			
1614.21		284.05										.2	CORE	ALAB			
1715.00	2228.00	286.00	312.08												CDP	ALL	3
2153.60	2156.60	309.47	309.58			11.00		LOGE	OPER								
2228.00	2452.00	312.08	340.00												MS	OB ALL	3
2315.00	2318.00	317.32	317.71	L2	WCR												
2315.00	2318.00	317.32	317.71	G1	WCR												
2387.00	2428.20	328.42	335.76			11.90		LOGE	OPER								
2404.00	2450.00	331.45	339.64	L2	WCR												
2404.00	2450.00	331.45	339.64	G1	WCR												
2415.10		333.42			8.60			CORE	CLAB		.0		CORE	CLAB			
2415.20		333.44			8.50			CORE	CLAB		.1		CORE	CLAB			
2415.30		333.46			8.60			CORE	CLAB		.1		CORE	CLAB			
2415.50		333.50			9.00			CORE	CLAB		.1		CORE	CLAB			
2415.80		333.55			8.80			CORE	CLAB		.1		CORE	CLAB			
2416.20		333.62			5.50			CORE	CLAB		.1		CORE	CLAB			
2416.50		333.67			5.10			CORE	CLAB		.0		CORE	CLAB			
2416.80		333.73			10.00			CORE	CLAB		.1		CORE	CLAB			
2417.10		333.78			9.20			CORE	CLAB		.0		CORE	CLAB			
2417.40		333.83			9.60			CORE	CLAB		.1		CORE	CLAB			
2417.70		333.89			9.00			CORE	CLAB		.1		CORE	CLAB			
2418.00		333.94			9.50			CORE	CLAB		.0		CORE	CLAB			
2418.60		334.05			8.80			CORE	CLAB		.1		CORE	CLAB			
2418.90		334.10			8.90			CORE	CLAB		.0		CORE	CLAB			
2419.20		334.15			8.80			CORE	CLAB		.0		CORE	CLAB			
2419.50		334.21			9.50			CORE	CLAB		.2		CORE	CLAB			
2419.80		334.26			8.80			CORE	CLAB		.0		CORE	CLAB			
2420.10		334.31			8.40			CORE	CLAB		.0		CORE	CLAB			
2420.40		334.37			9.50			CORE	CLAB		.0		CORE	CLAB			
2420.70		334.42			8.70			CORE	CLAB		.1		CORE	CLAB			
2421.00		334.48			8.50			CORE	CLAB		.0		CORE	CLAB			
2421.50		334.56			8.40			CORE	CLAB		.0		CORE	CLAB			
2421.80		334.62			10.60			CORE	CLAB		.0		CORE	CLAB			
2422.10		334.67			10.60			CORE	CLAB		.0		CORE	CLAB			
2422.40		334.72			11.40			CORE	CLAB		.0		CORE	CLAB			
2422.70		334.78			11.60			CORE	CLAB		.1		CORE	CLAB			
2423.00		334.83			11.70			CORE	CLAB		.0		CORE	CLAB			
2423.40		334.90			13.20			CORE	CLAB		.1		CORE	CLAB			
2423.70		334.96			11.80			CORE	CLAB		.1		CORE	CLAB			
2424.00		335.01			11.90			CORE	CLAB		.2		CORE	CLAB			
2424.30		335.06			11.30			CORE	CLAB		.1		CORE	CLAB			
2424.90		335.17			12.50			CORE	CLAB		.2		CORE	CLAB			

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2425.20		335.22				9.60			CORE	CLAB	.1				CORE	CLAB			
2426.40		335.44				8.20			CORE	CLAB	.0				CORE	CLAB			
2427.50		335.63				9.30			CORE	CLAB	.1				CORE	CLAB			
2427.80		335.69				12.90			CORE	CLAB	.2				CORE	CLAB			
2428.10		335.74				11.40			CORE	CLAB	.1				CORE	CLAB			
2428.60		335.83				13.10			CORE	CLAB	.4				CORE	CLAB			
2428.90		335.88				12.10			CORE	CLAB	.2				CORE	CLAB			
2429.20		335.94				14.60			CORE	CLAB	.3				CORE	CLAB			
2429.50		335.99				13.80			CORE	CLAB	.3				CORE	CLAB			
2429.80		336.04				13.30			CORE	CLAB	.2				CORE	CLAB			
2430.10		336.10				13.00			CORE	CLAB	.1				CORE	CLAB			
2430.40		336.15				14.00			CORE	CLAB	.2				CORE	CLAB			
2430.80		336.22				12.60			CORE	CLAB	.2				CORE	CLAB			
2431.20		336.29				14.00			CORE	CLAB	.1				CORE	CLAB			
2431.50		336.35				14.60			CORE	CLAB	.3				CORE	CLAB			
2431.80		336.40				14.30			CORE	CLAB	.3				CORE	CLAB			
2432.10		336.45				11.70			CORE	CLAB	.1				CORE	CLAB			
2432.40		336.51				12.80			CORE	CLAB	.2				CORE	CLAB			
2432.80		336.58				14.20			CORE	CLAB	.2				CORE	CLAB			
2433.10		336.63				13.80			CORE	CLAB	.2				CORE	CLAB			
2433.40		336.69				14.30			CORE	CLAB	.2				CORE	CLAB			
2450.00	2550.00	339.64	341.59	L2	WCR														
2450.00	2550.00	339.64	341.59	G1	WCR														
2452.00	2526.00	340.00	341.20														MVS	R	ALL 2
2483.10		340.50				8.10			CORE	ALAB	1.9				CORE	ALAB			
2483.40		340.51									.2				CORE	ALAB			
2483.70		340.51									.0				CORE	ALAB			
2484.00		340.52				2.30			CORE	ALAB	.0				CORE	ALAB			
2484.30		340.52									.4				CORE	ALAB			
2484.60		340.53									.0				CORE	ALAB			
2484.90		340.53									.0				CORE	ALAB			
2485.20		340.54				1.70			CORE	ALAB	.0				CORE	ALAB			
2485.50		340.54									.0				CORE	ALAB			
2485.80		340.55									.0				CORE	ALAB			
2486.10		340.55				2.60			CORE	ALAB	.0				CORE	ALAB			
2486.40		340.56									.0				CORE	ALAB			
2486.70		340.56									.0				CORE	ALAB			
2487.00		340.57				1.00			CORE	ALAB	.0				CORE	ALAB			
2487.30		340.57									.1				CORE	ALAB			
2487.60		340.58									.0				CORE	ALAB			
2487.90		340.58									.0				CORE	ALAB			
2488.20		340.59				1.80			CORE	ALAB	.0				CORE	ALAB			
2488.50		340.59									.0				CORE	ALAB			
2488.80		340.60									.0				CORE	ALAB			
2489.10		340.60				2.20			CORE	ALAB	.0				CORE	ALAB			
2489.40		340.61									.0				CORE	ALAB			
2489.70		340.61									.0				CORE	ALAB			
2490.00		340.62				1.30			CORE	ALAB	.0				CORE	ALAB			
2490.30		340.62									.0				CORE	ALAB			
2490.90		340.63									.0				CORE	ALAB			
2491.20		340.64				2.10			CORE	ALAB	.0				CORE	ALAB			
2491.50		340.64									.0				CORE	ALAB			
2491.80		340.65									.0				CORE	ALAB			

Turtle 2

2492.10		340.65				1.40				CORE	ALAB	.0				CORE	ALAB					
2492.40		340.66										.0				CORE	ALAB					
2492.70		340.66										.0				CORE	ALAB					
2493.00		340.67				1.40				CORE	ALAB	.0				CORE	ALAB					
2493.30		340.67										.0				CORE	ALAB					
2493.60		340.68										.0				CORE	ALAB					
2493.90		340.68										.4				CORE	ALAB					
2494.20		340.69				7.50				CORE	ALAB	.0				CORE	ALAB					
2494.50		340.69										.0				CORE	ALAB					
2494.80		340.69										.0				CORE	ALAB					
2526.00	2575.00	341.20	342.00															CDE	LA	ALL	3	
2545.10		341.51				7.80				CORE	CLAB	.1				CORE	CLAB					
2545.40		341.52				8.50				CORE	CLAB	.1				CORE	CLAB					
2545.70		341.52				8.50				CORE	CLAB	.1				CORE	CLAB					
2546.00		341.53				7.90				CORE	CLAB	.1				CORE	CLAB					
2546.30		341.53				8.10				CORE	CLAB	.1				CORE	CLAB					
2546.60		341.54				7.10				CORE	CLAB	.1				CORE	CLAB					
2546.90		341.54				7.10				CORE	CLAB	.1				CORE	CLAB					
2547.20		341.55				7.70				CORE	CLAB	.1				CORE	CLAB					
2547.50		341.55				7.30				CORE	CLAB	.1				CORE	CLAB					
2547.80		341.56				7.60				CORE	CLAB	.0				CORE	CLAB					
2548.10		341.56				7.30				CORE	CLAB	.0				CORE	CLAB					
2548.40		341.56				7.80				CORE	CLAB	.1				CORE	CLAB					
2548.70		341.57				7.60				CORE	CLAB	.1				CORE	CLAB					
2549.00		341.57				7.50				CORE	CLAB	.0				CORE	CLAB					
2549.30		341.58				6.30				CORE	CLAB	.0				CORE	CLAB					
2549.60		341.58				4.20				CORE	CLAB	.0				CORE	CLAB					
2555.60		341.68				2.30				CORE	CLAB	.0				CORE	CLAB					
2555.90		341.69				1.20				CORE	CLAB	.0				CORE	CLAB					
2558.60		341.73				7.30				CORE	CLAB	.0				CORE	CLAB					
2571.00	2607.00	341.93	342.52	L3	TDST																	
2575.00	2590.00	342.00	342.24	L2	WCR																	
2575.00	2590.00	342.00	342.24	G1	WCR																	
2575.00	2620.00	342.00	342.73															MS	OB	ALL	3	
2595.10		342.32				1.80				CORE	ALAB	.0				CORE	ALAB					
2620.00	2737.00	342.73	344.63															MVS	R	ALL	3	
2620.00	2737.00	342.73	344.63															MVS	OB	ALL	3	
2630.00	2737.00	342.89	344.63	L3	WCR																	
2630.00	2737.00	342.89	344.63	G1	WCR																	
2632.00	2721.00	342.92	344.37	L3	TDST																	
2737.00	2760.00	344.63	345.00															CDE	LA	ALL	3	

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	Source	
Min	58.00					1.00	11.00					0.0				0.0						
Max	2760.00	345.00				30.70	21.30					3053.0				2108.0						
No.	350	349		22	22	126	5			131	131	228				63	289	289	29	15	29	
Mean						12.68	16.18					200.6				174.3						

RESFACS Database

Weaber 2A -15.347639 129.108222 Bonaparte Basin
PEDIN/File numbers: W8880016 OS 328

top (m)	base (m)	Ages (Harland	Ages mA)	SHOWS Show	SHOWS Srce	POROSITY Spot	POROSITY Aver	POROSITY Min	POROSITY Max	POROSITY Srce	POROSITY Authr	PERMEABILITY Spot	PERMEABILITY Aver	PERMEABILITY Min	PERMEABILITY Max	PERMEABILITY KV	PERMEABILITY Srce	PERMEABILITY Auth	ENVIRONMENT Env	ENVIRONMENT Lndfm	ENVIRONMENT Source	ENVIRONMENT Cf
5.00	75.00	246.93	282.65																MS		ALL	2
75.00	128.00	282.65	283.53																CDP	BB	ALL	3
85.00	506.00	282.82	342.51	G1	WCR																	
128.00	150.00	283.53	283.89																CDP	LA	ALL	3
150.00	277.00	283.89	313.00																LDFB		ALL	3
277.00	280.00	313.00	340.03																LDFB		ALL	3
280.00	374.00	340.03	341.06																LDFB		ALL	4
374.00	405.00	341.06	341.40																CDP		ALL	3
405.00	445.00	341.40	341.84																MS		ALL	3
445.00	525.00	341.84	342.72																CDD	SMB	ALL	2
525.00	550.00	342.72	342.99																CDD	IDB	ALL	2
550.00	779.00	342.99	345.50																MS		ALL	2
560.00	1659.00	343.10	356.43	G1	WCR																	
779.00	1025.00	345.50	348.19																MBA		ALL	2
1010.00	1075.00	348.03	348.74				6.00			LC	OPER											
1020.00	1037.00	348.14	348.32	G3	TDST																	
1023.00	1034.00	348.17	348.29				6.00			LC	OPER											
1025.00	1028.00	348.19	348.22	G1	WCR																	
1025.00	1032.00	348.19	348.27																MBA	TFD	ALL	2
1030.50	1031.00	348.25	348.26	G1	WCR																	
1032.00	1062.00	348.27	348.59																MBA		ALL	2
1062.00	1063.00	348.59	348.61	G1	WCR																	
1062.00	1070.00	348.59	348.68																MBA	TFD	ALL	2
1070.00	1230.00	348.68	350.43																MBA		ALL	2
1230.00	1234.00	350.43	350.48																MBA	TFD	ALL	2
1232.00	1233.50	350.46	350.47	G1	WCR																	
1234.00	1373.00	350.48	352.00																MBA		SWC	2
1234.00		350.48		G1	WCR																	
1350.00	1500.00	351.75	353.79				6.00			LC	OPER											
1373.00	1376.50	352.00	352.05	G1	WCR																	
1373.00	1377.00	352.00	352.06																MS		WCR	2
1377.00	1468.00	352.06	353.34																MS		ALL	3
1380.50	1381.00	352.11	352.11	G1	WCR																	
1383.00	1383.50	352.14	352.15	G1	WCR																	
1410.00		352.52		G1	WCR																	
1412.00		352.55		G1	WCR																	
1414.00		352.58		G1	WCR																	
1422.00	1423.00	352.69	352.70	G1	WCR																	
1427.00	1428.00	352.76	352.77	G1	WCR																	
1468.00	1489.00	353.34	353.63	G1	WCR														MS		ALL	2

Weaber 2A

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	Source	
Min	5.00	246.93					6.00															
Max	1659.00	356.43					6.00															
No.	40	40		17	17		3			3	3								21	7	21	
Mean							6.00															

APPENDIX: 2

AGE/DEPTH PLOTS

APPENDIX 2
AGE/DEPTH PLOTS
for the wells listed below:-

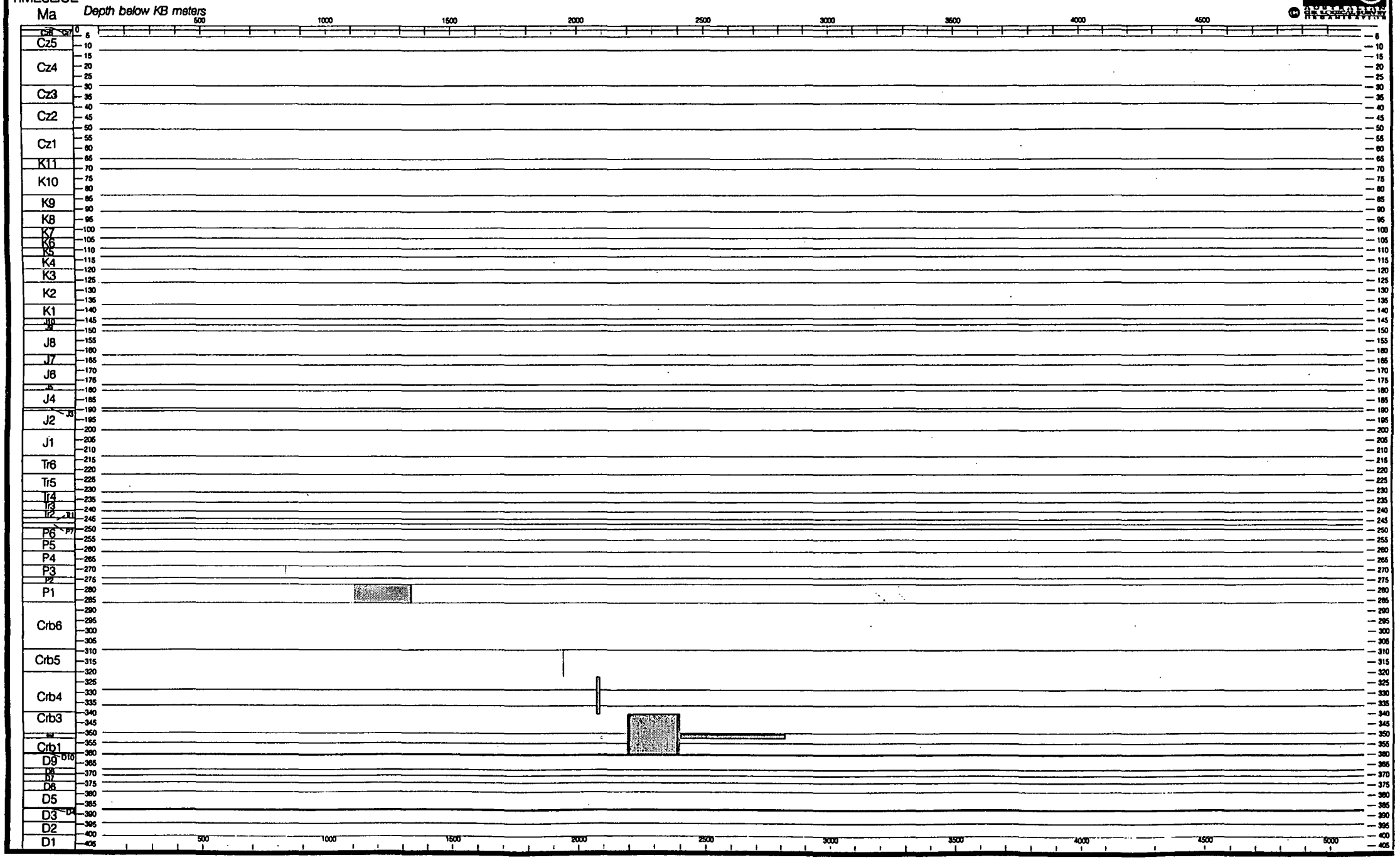
BARNETT 1
BARNETT 2
BARNETT 3
BERKLEY 1
BONAPARTE 1
BOUGAINVILLE 1
CAMBRIDGE 1
CURLEW 1
FLAT TOP 1
FRIGATE 1
GARIMALA 1
GULL 1
KULSHILL 1
KULSHILL 2
LACROSSE 1
LESUEUR 1
NEWBY 1
NINGBING 1
PELICAN ISLAND 1
PENGUIN 1
PETREL 1
PETREL 1A
PETREL 2
SANDPIPER 1
SKULL 1
TERN 1
TURTLE 1
TURTLE 2
WEABER 2A

Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995
BARNETT 1

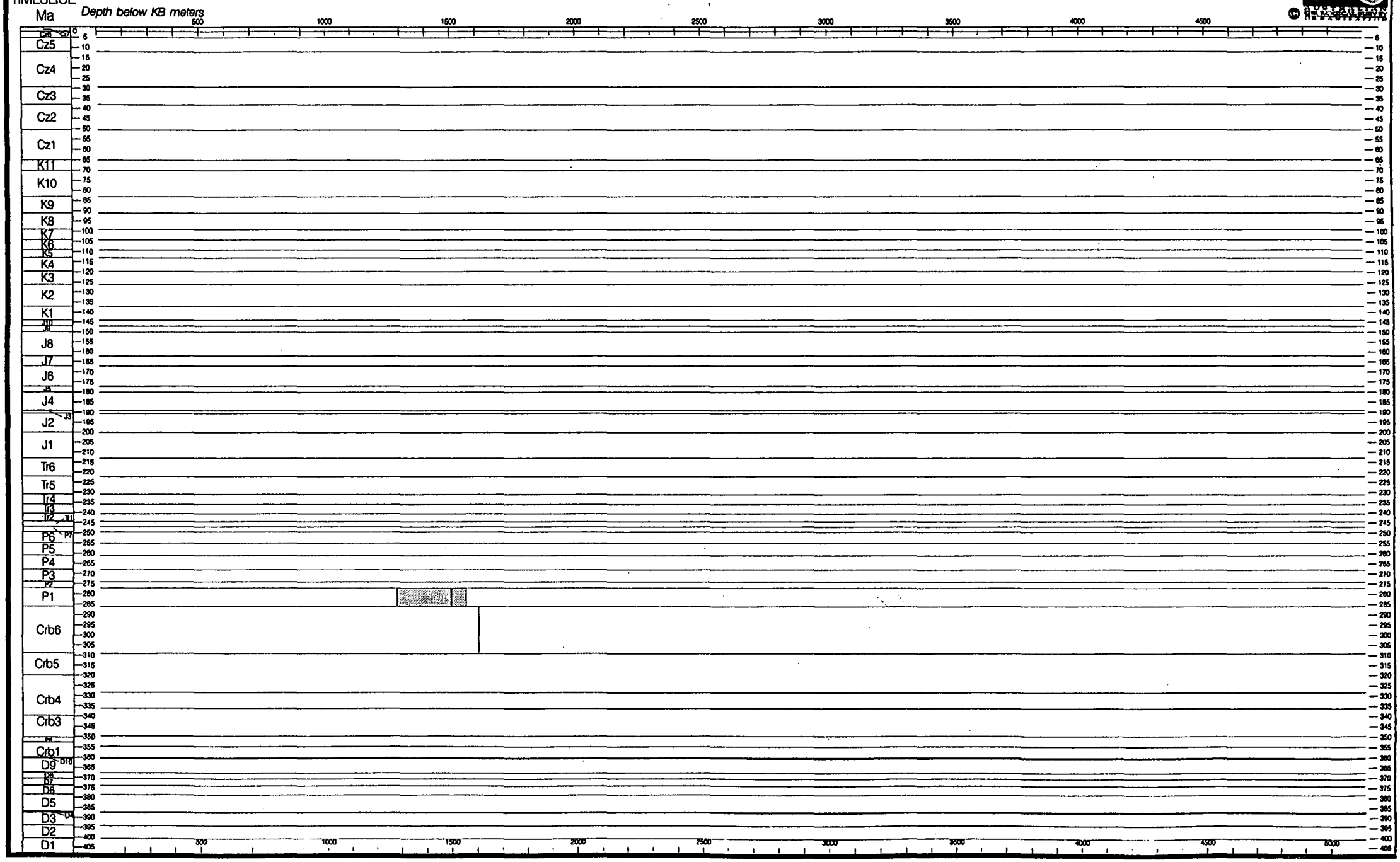
Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995
BARNETT 2



Harland et al 1982 Timescale.

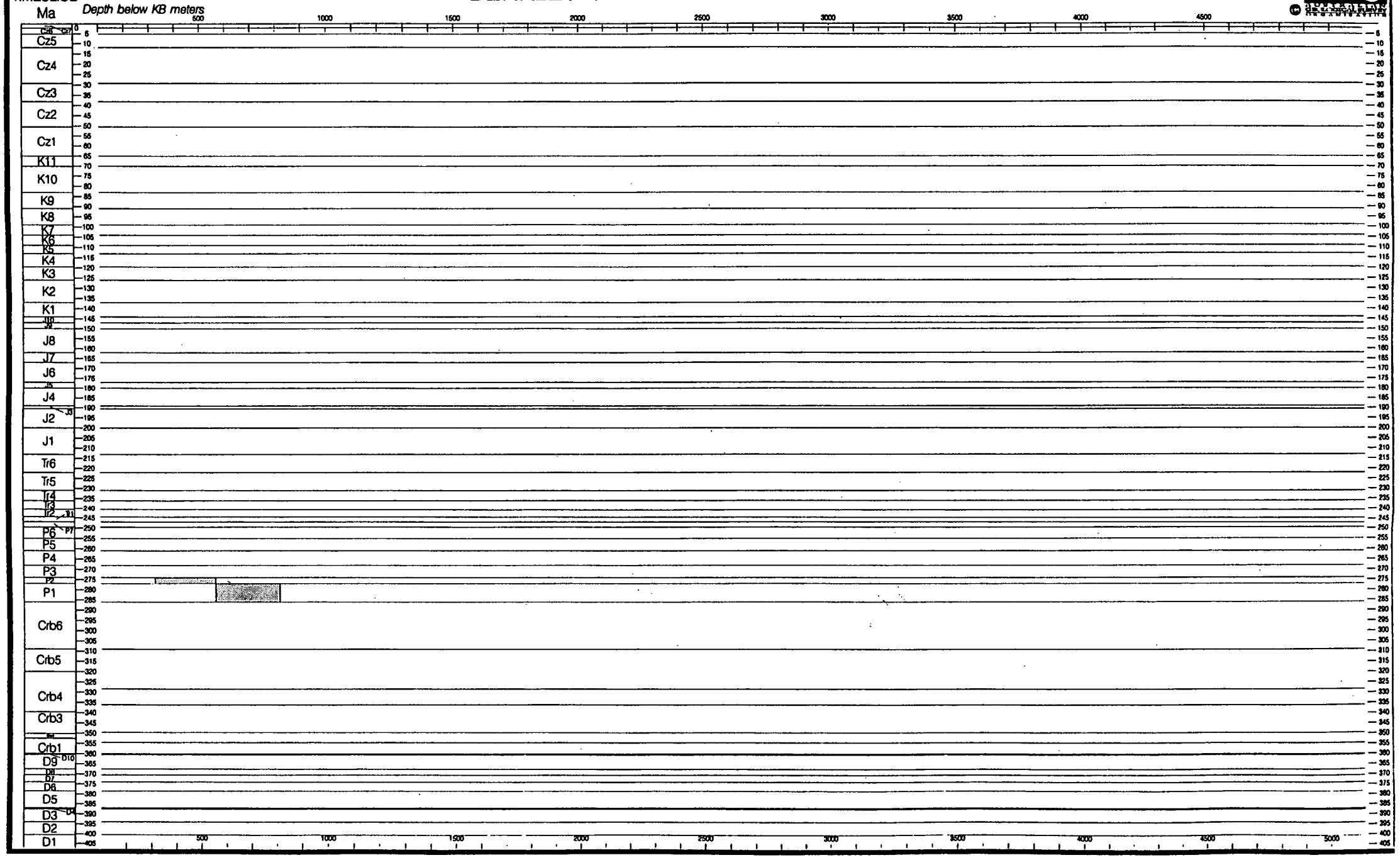
PETREL SUB-BASIN MODULE 1995
BARNETT 3



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

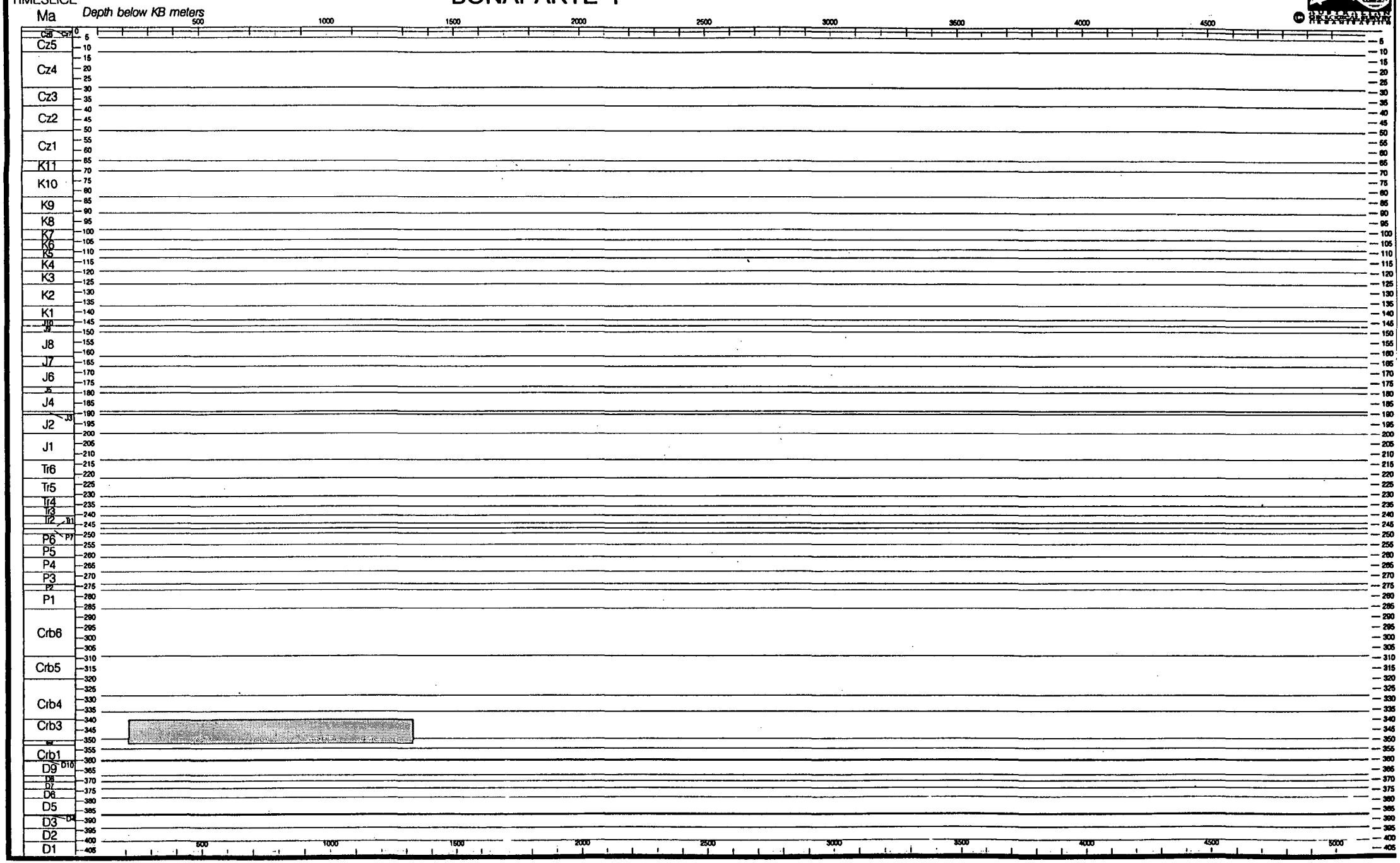
BERKLEY 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

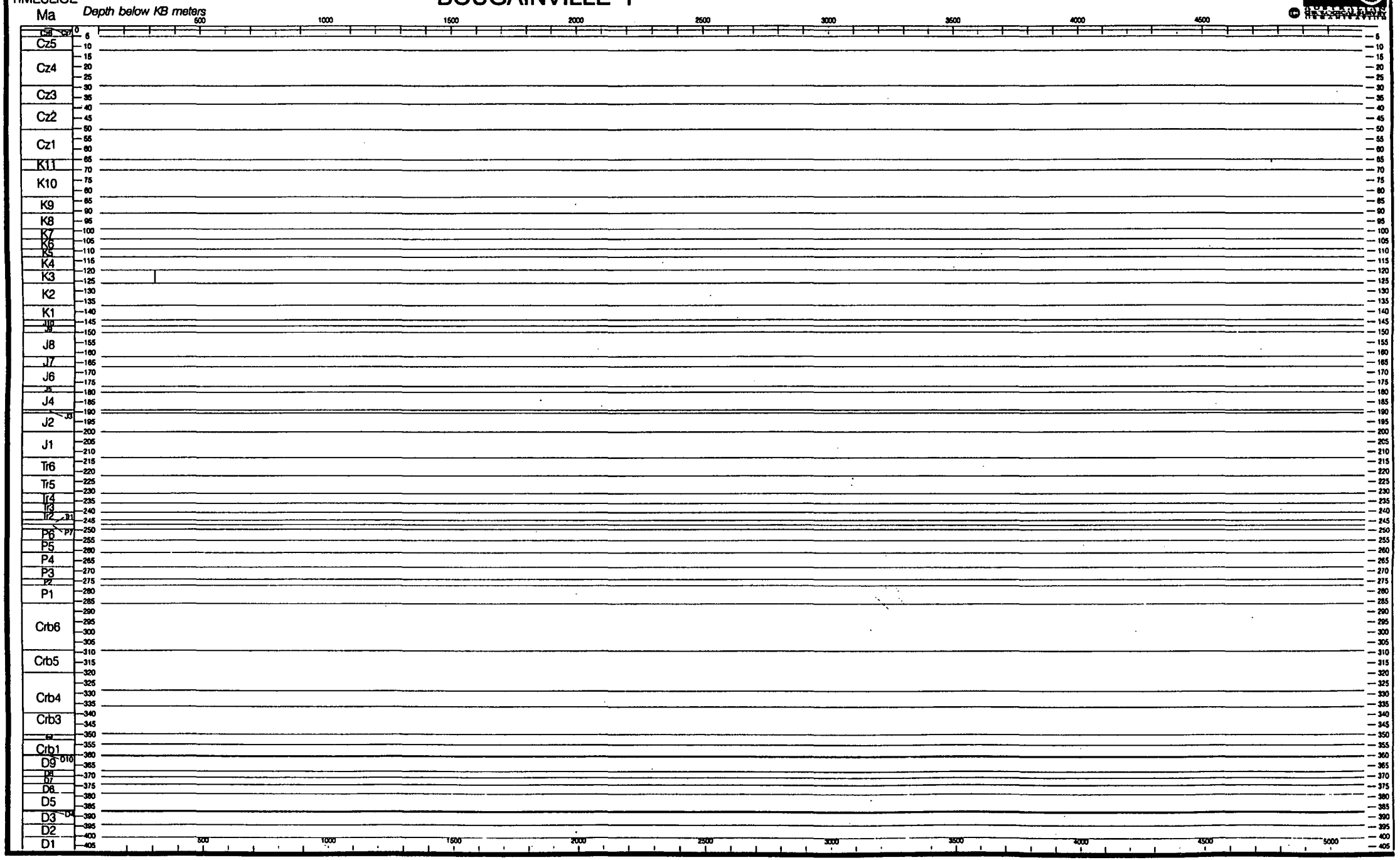
BONAPARTE 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

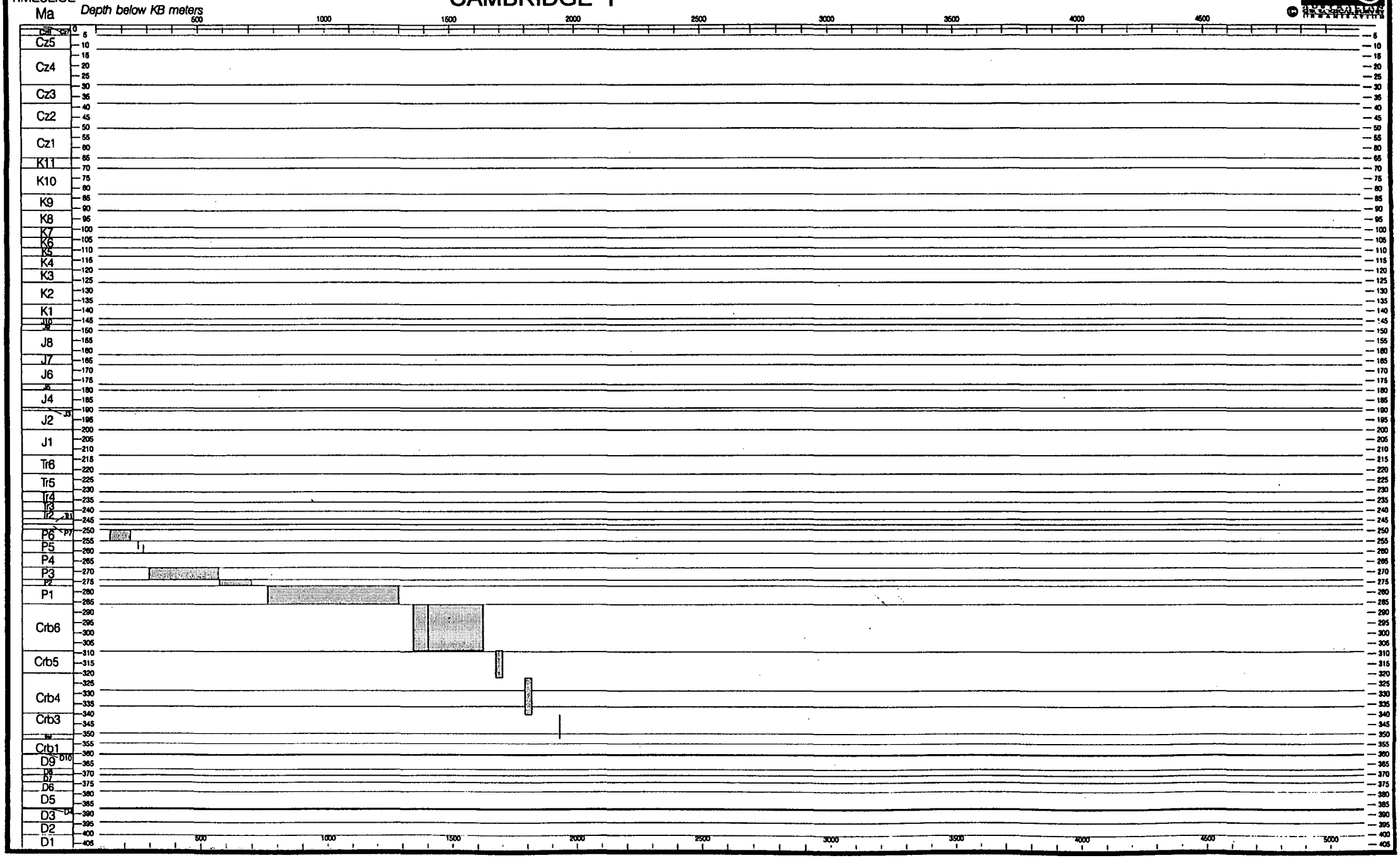
BOUGAINVILLE 1



Harland et al 1982 Timescale.

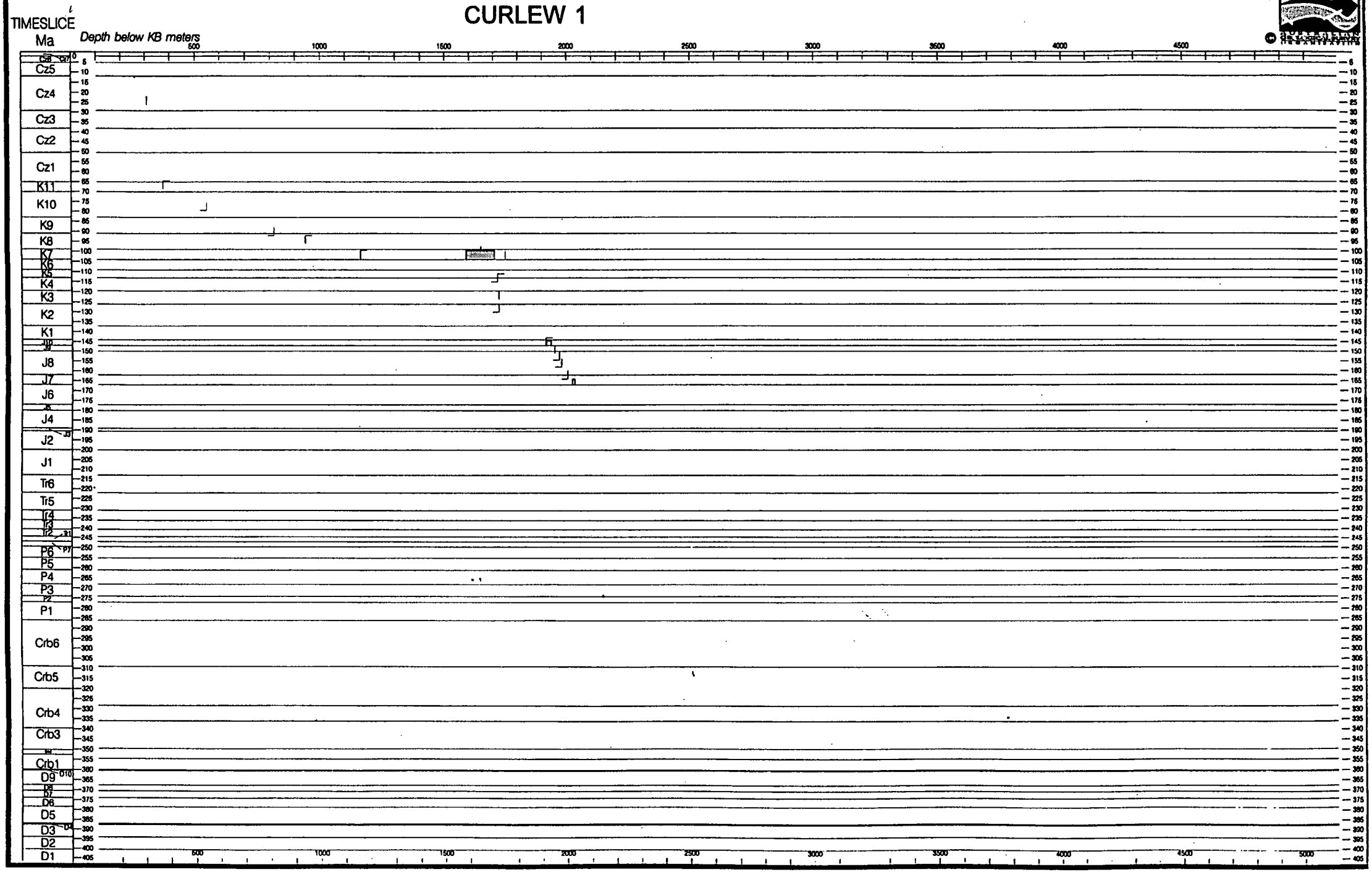
PETREL SUB-BASIN MODULE 1995

CAMBRIDGE 1



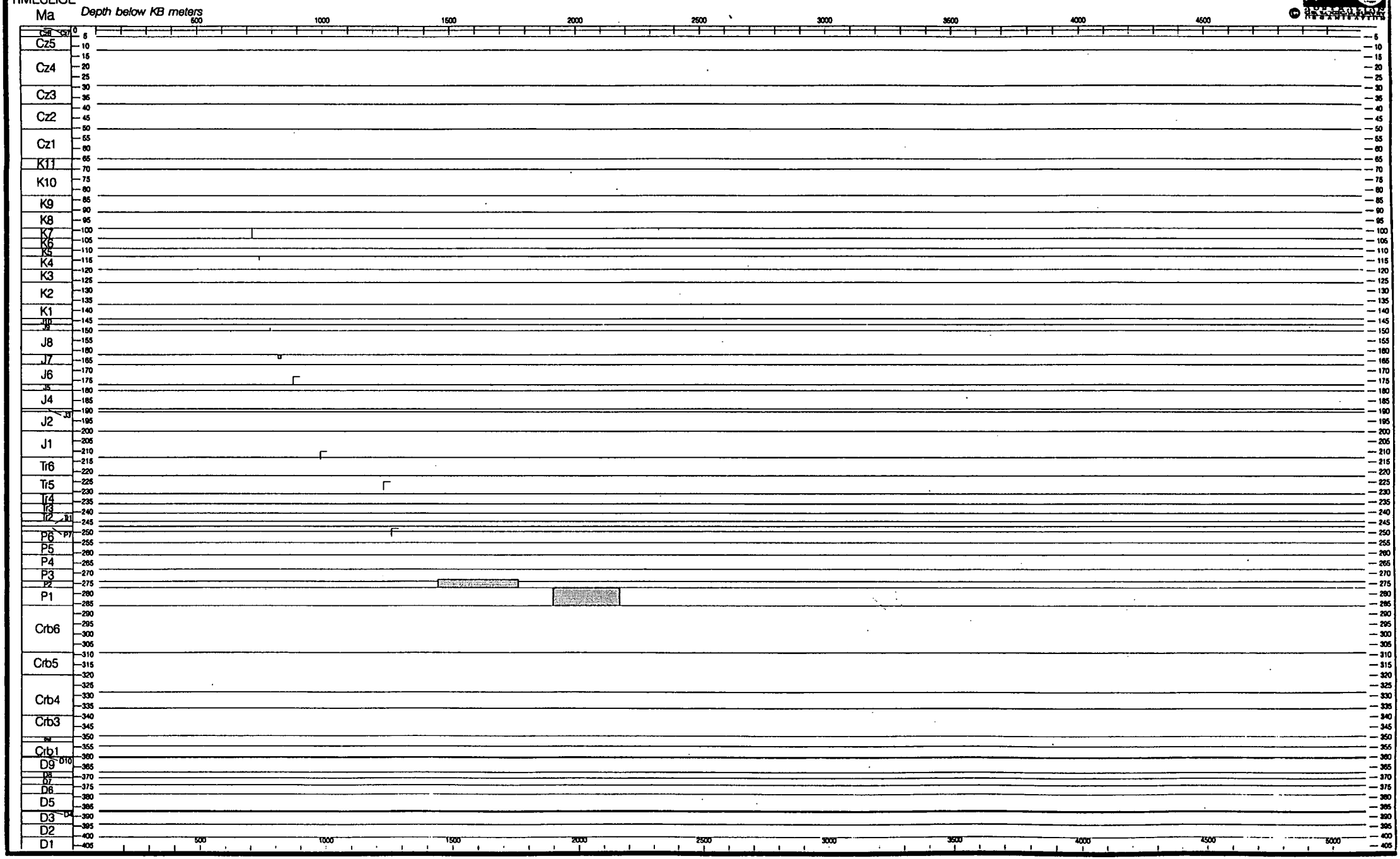
Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995
CURLEW 1



Harland et al 1982 Timescale.

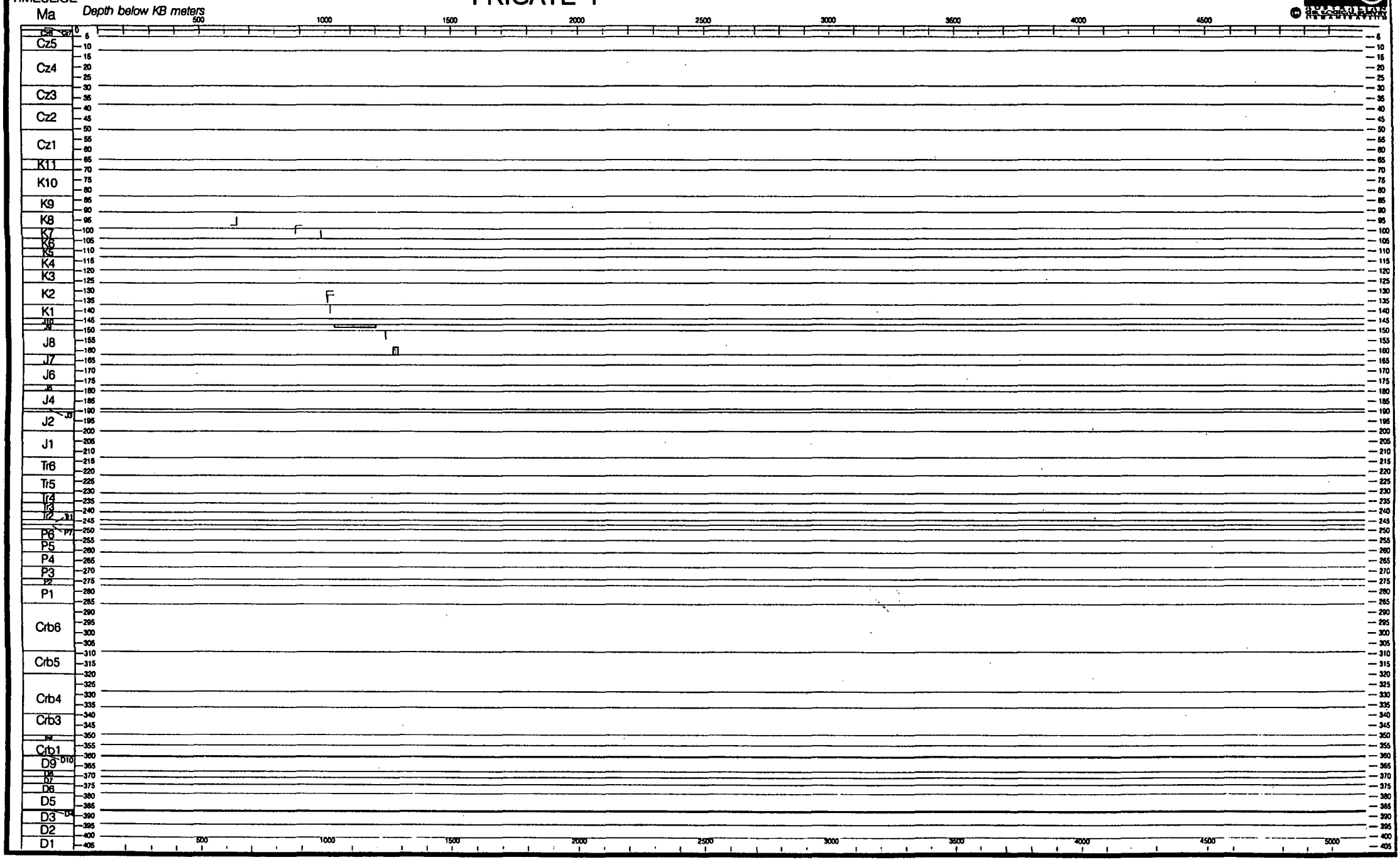
PETREL SUB-BASIN MODULE 1995
FLAT TOP 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

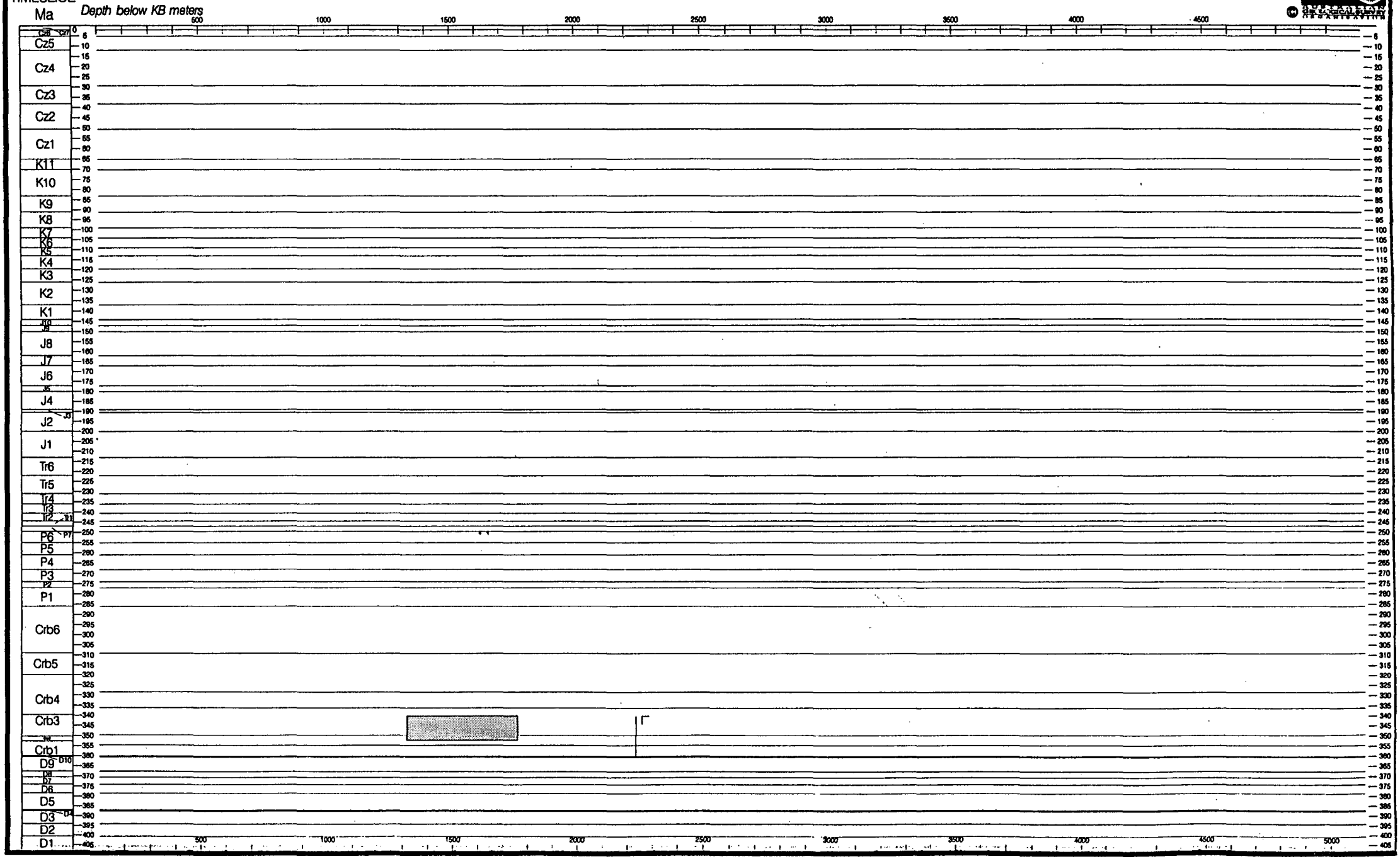
FRIGATE 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

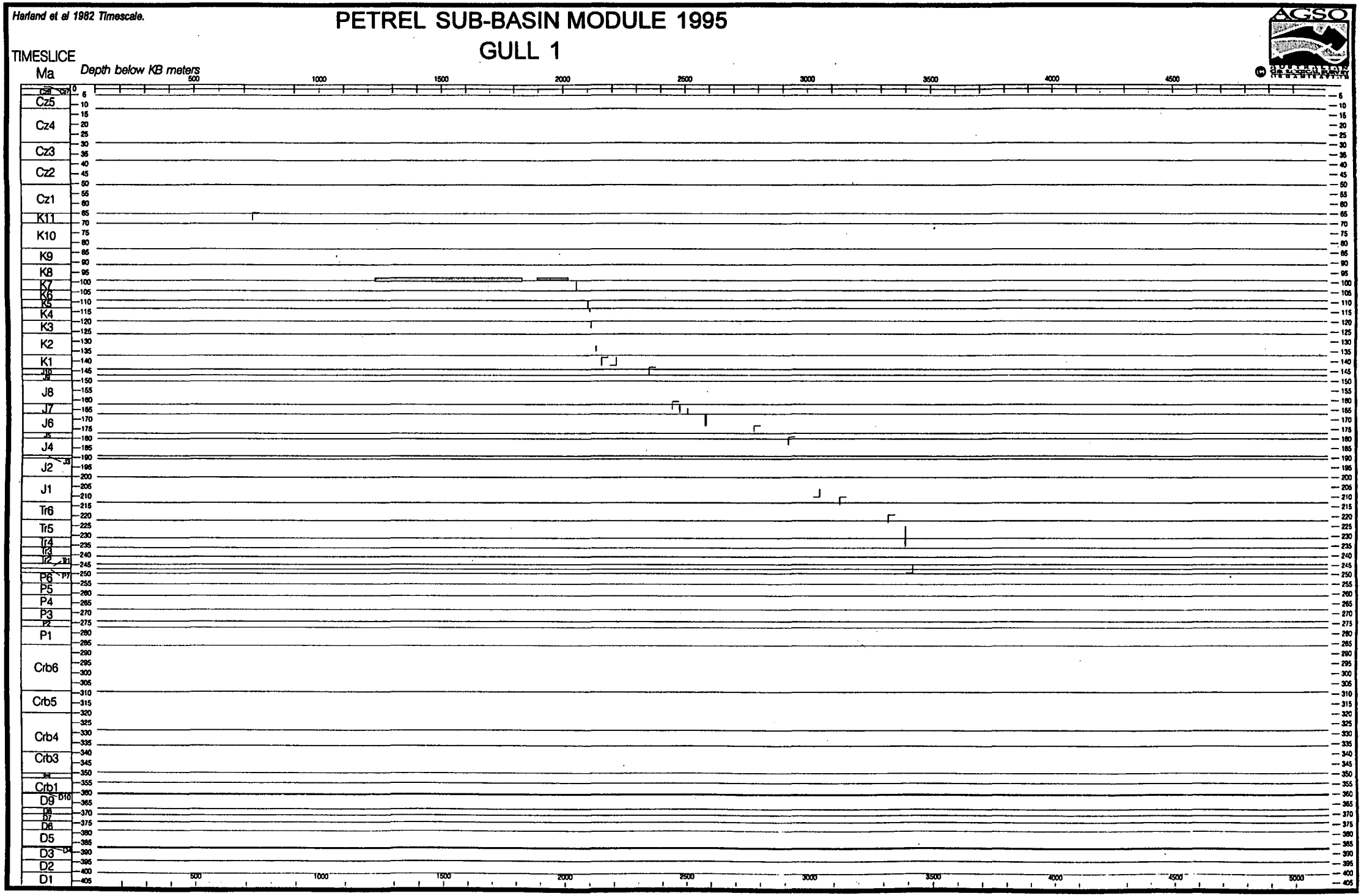
GARIMALA 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

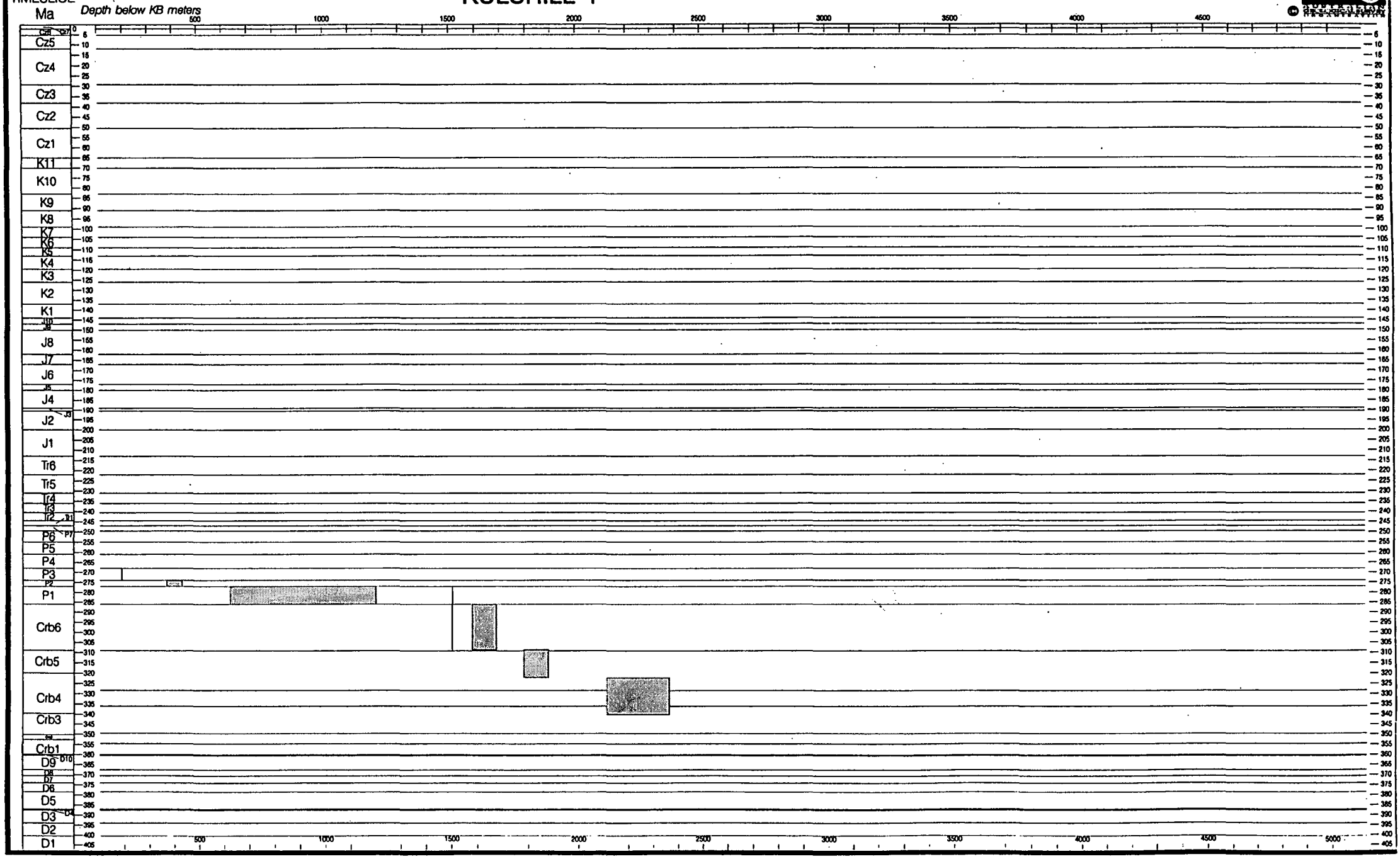
GULL 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

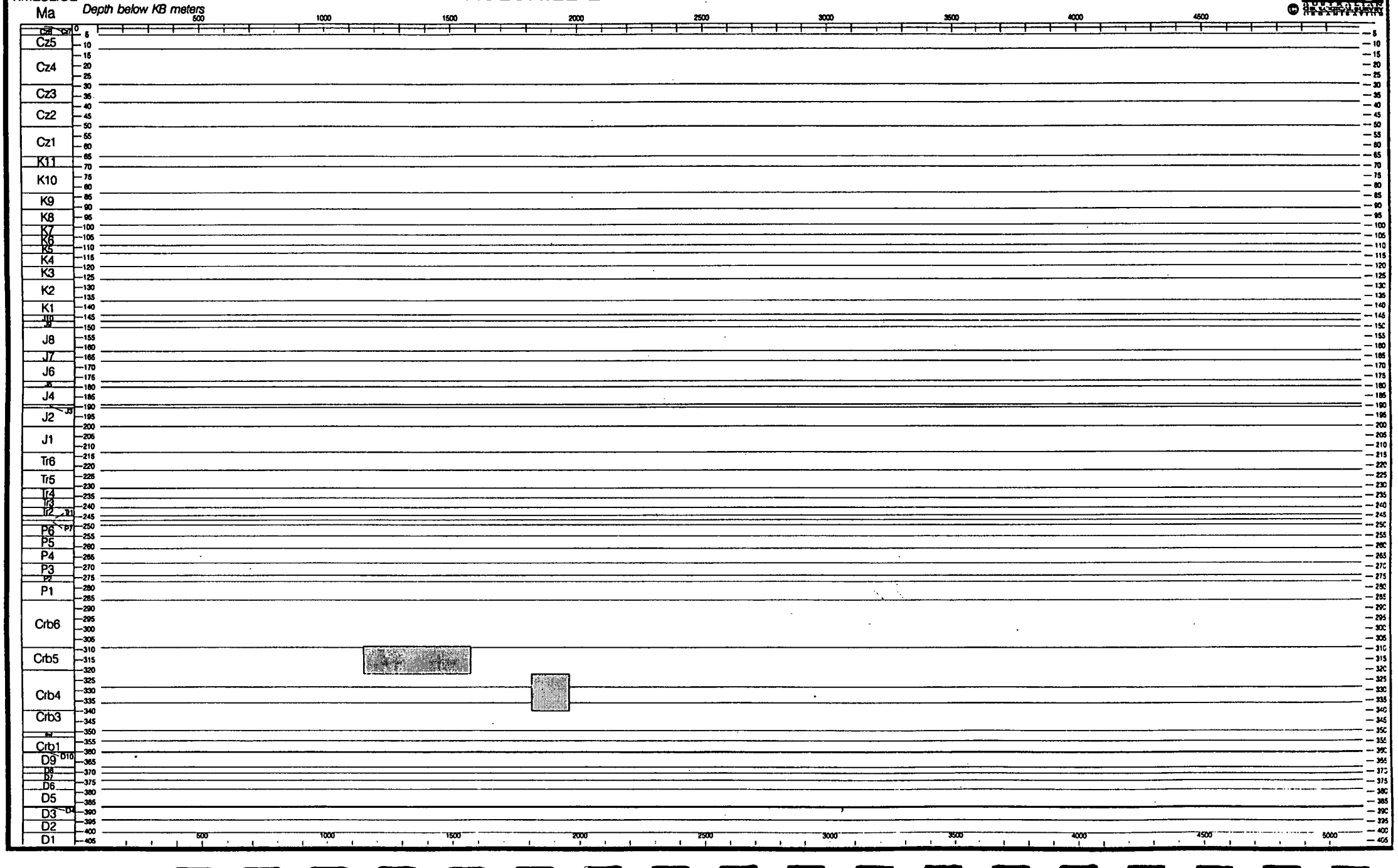
KULSHILL 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

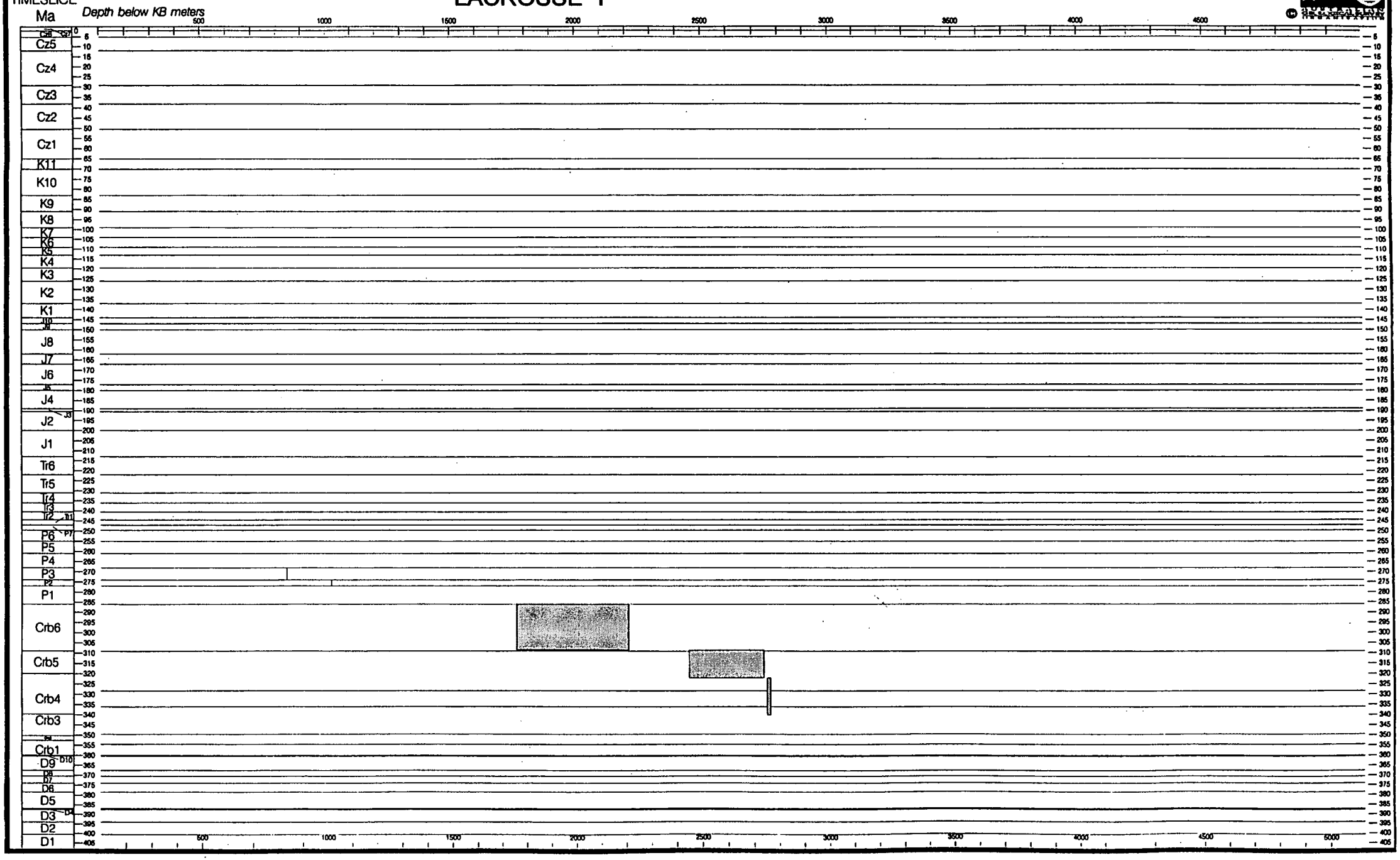
KULSHILL 2



Harland et al 1982 Timescale.

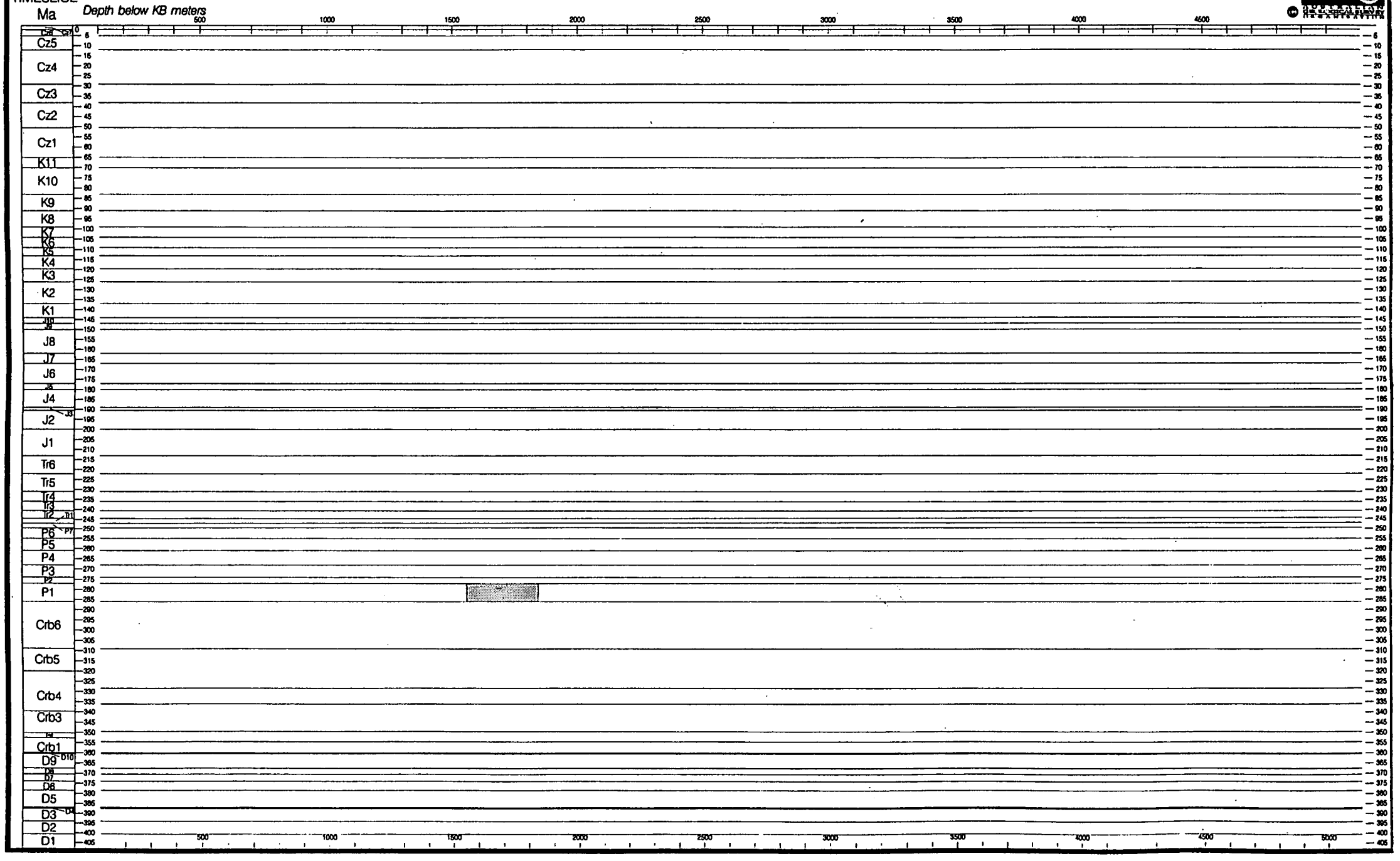
PETREL SUB-BASIN MODULE 1995

LACROSSE 1



Harland et al 1982 Timescale.

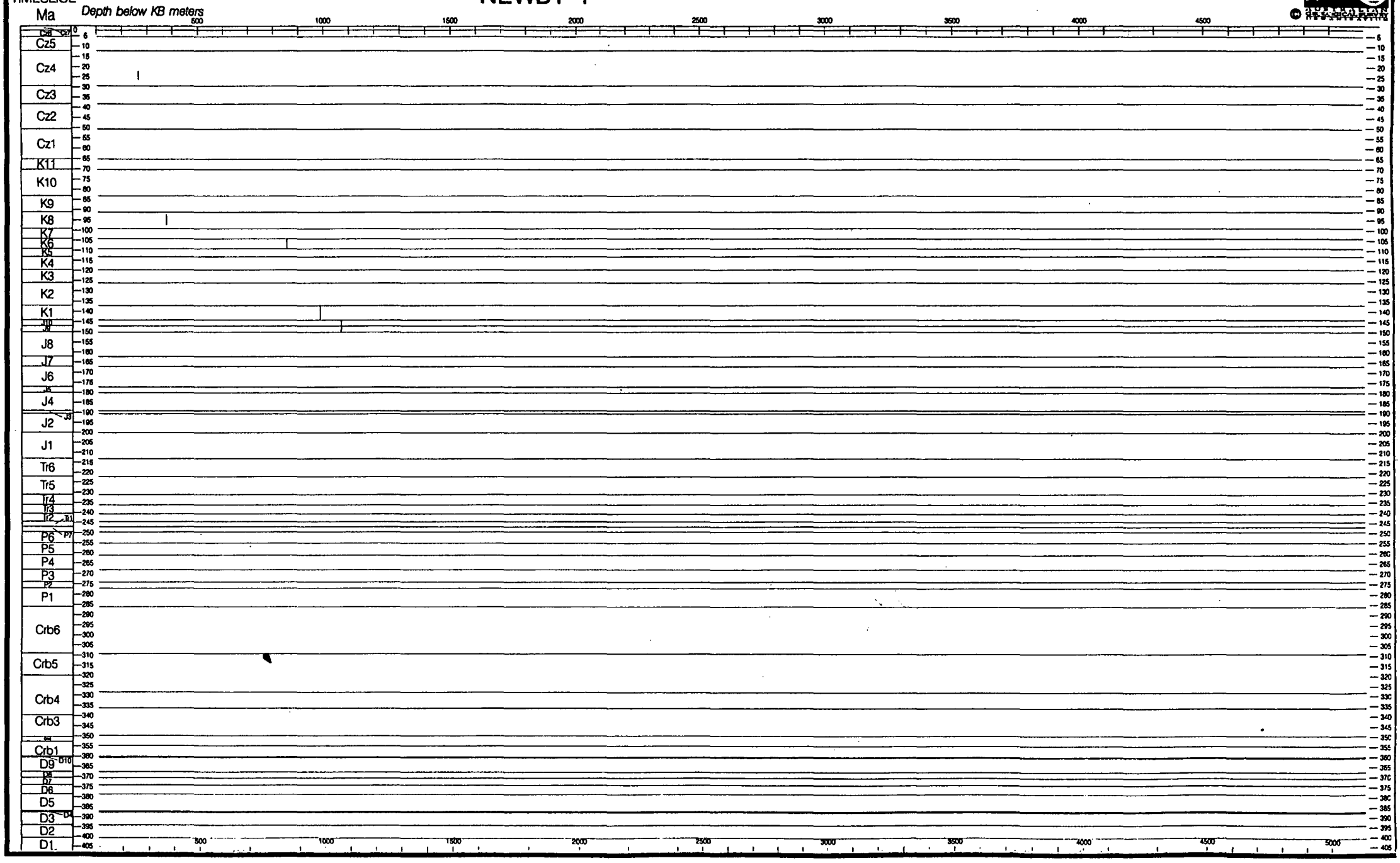
PETREL SUB-BASIN MODULE 1995
LESUEUR 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

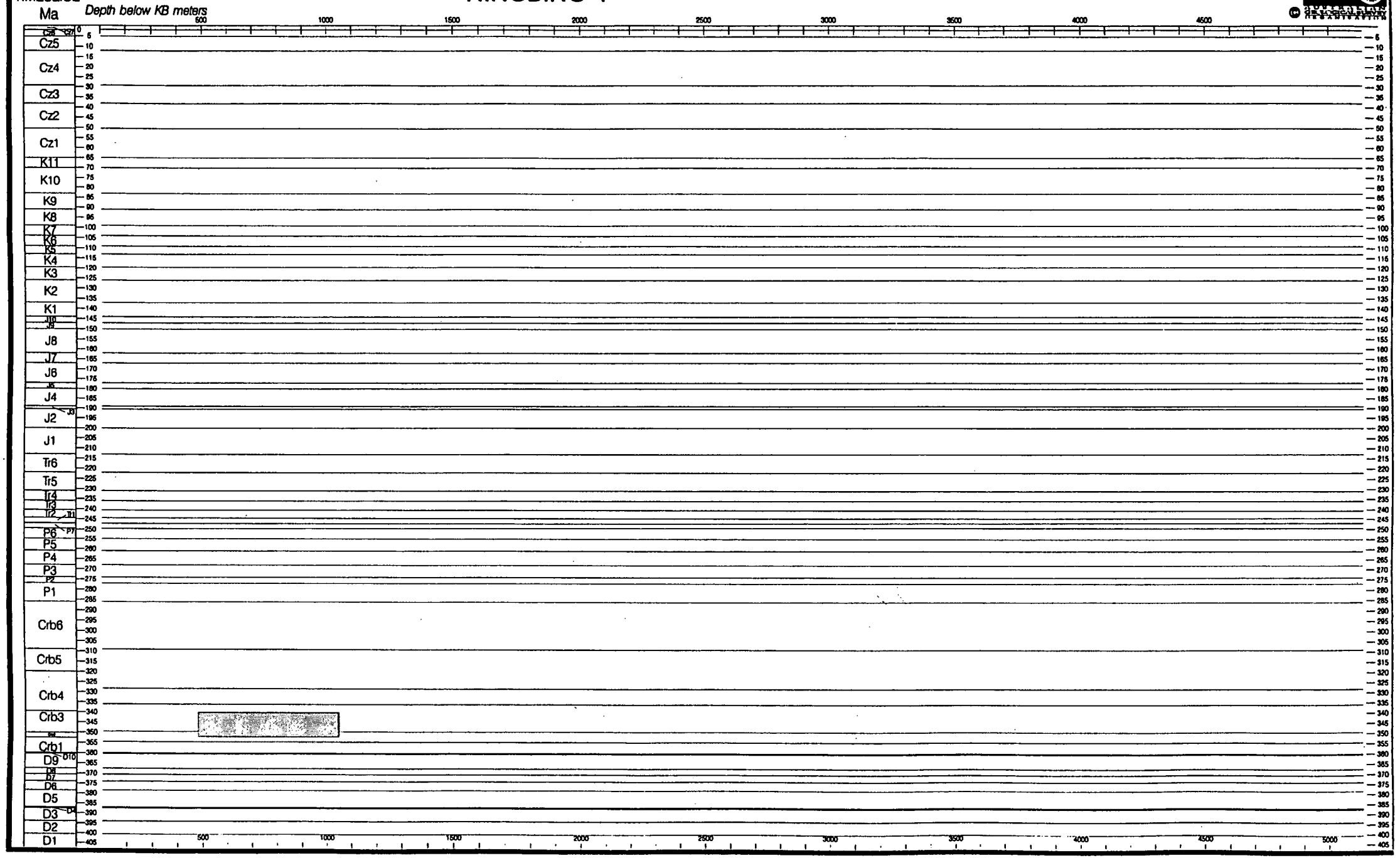
NEWBY 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

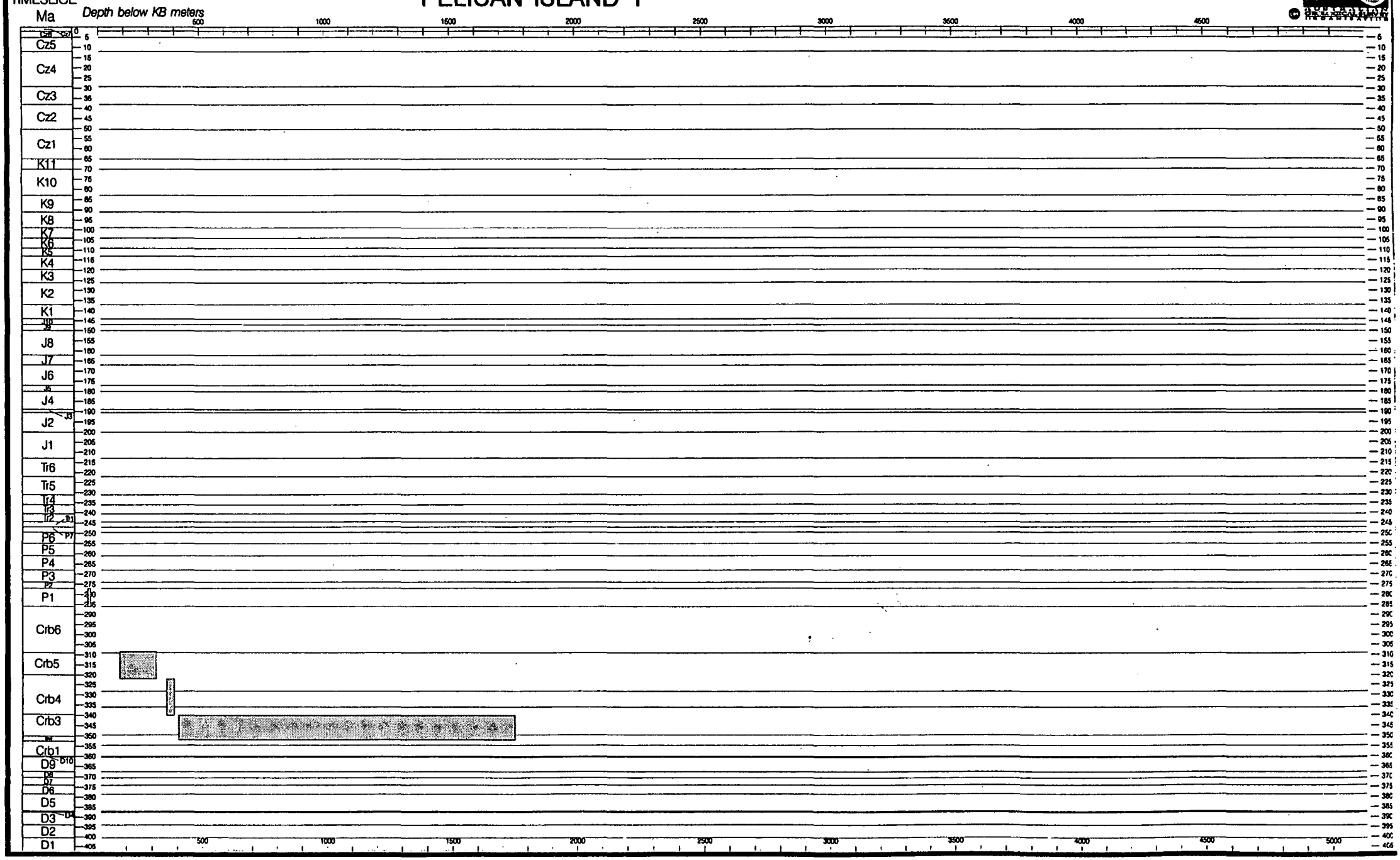
NINGBING 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

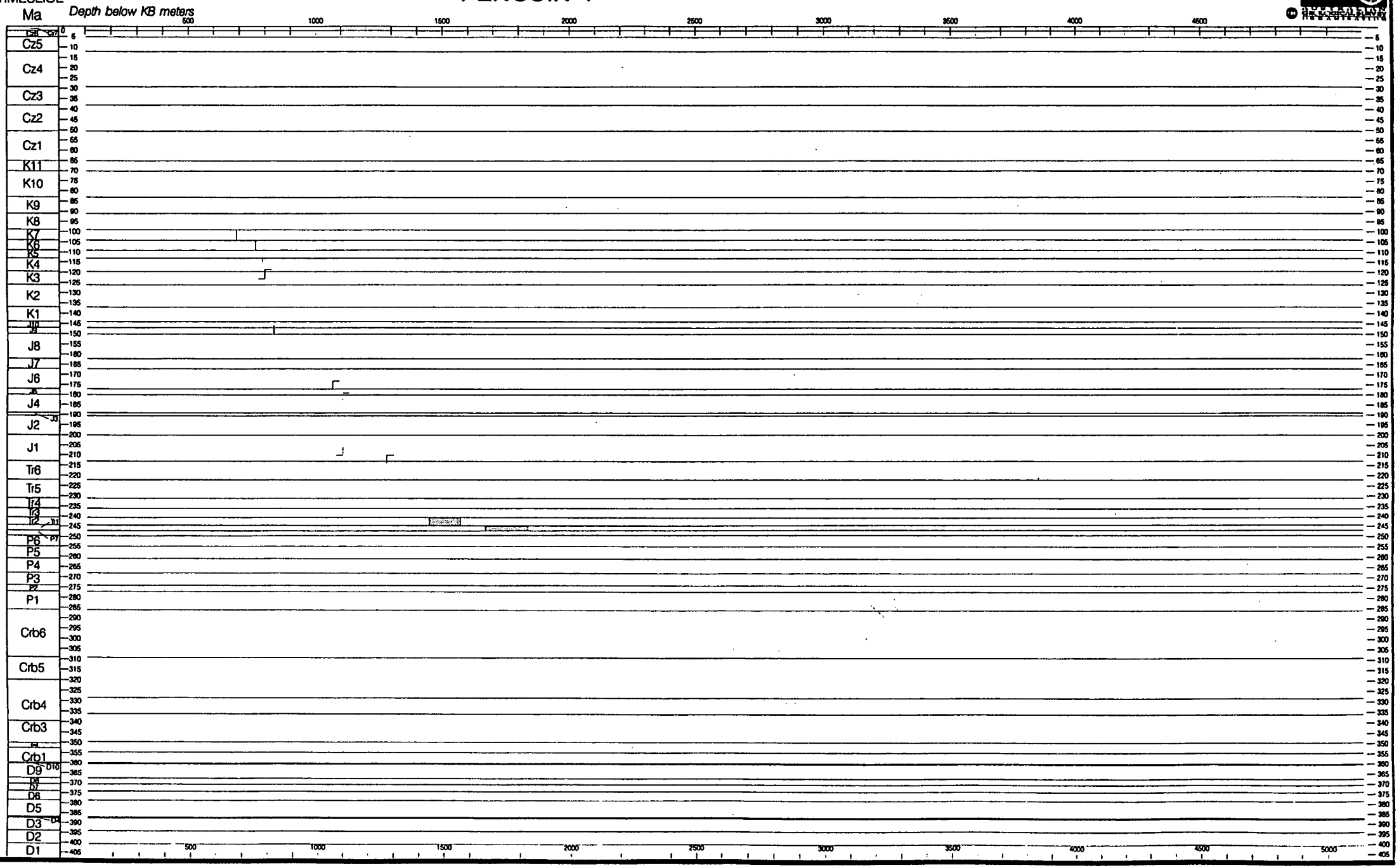
PELICAN ISLAND 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

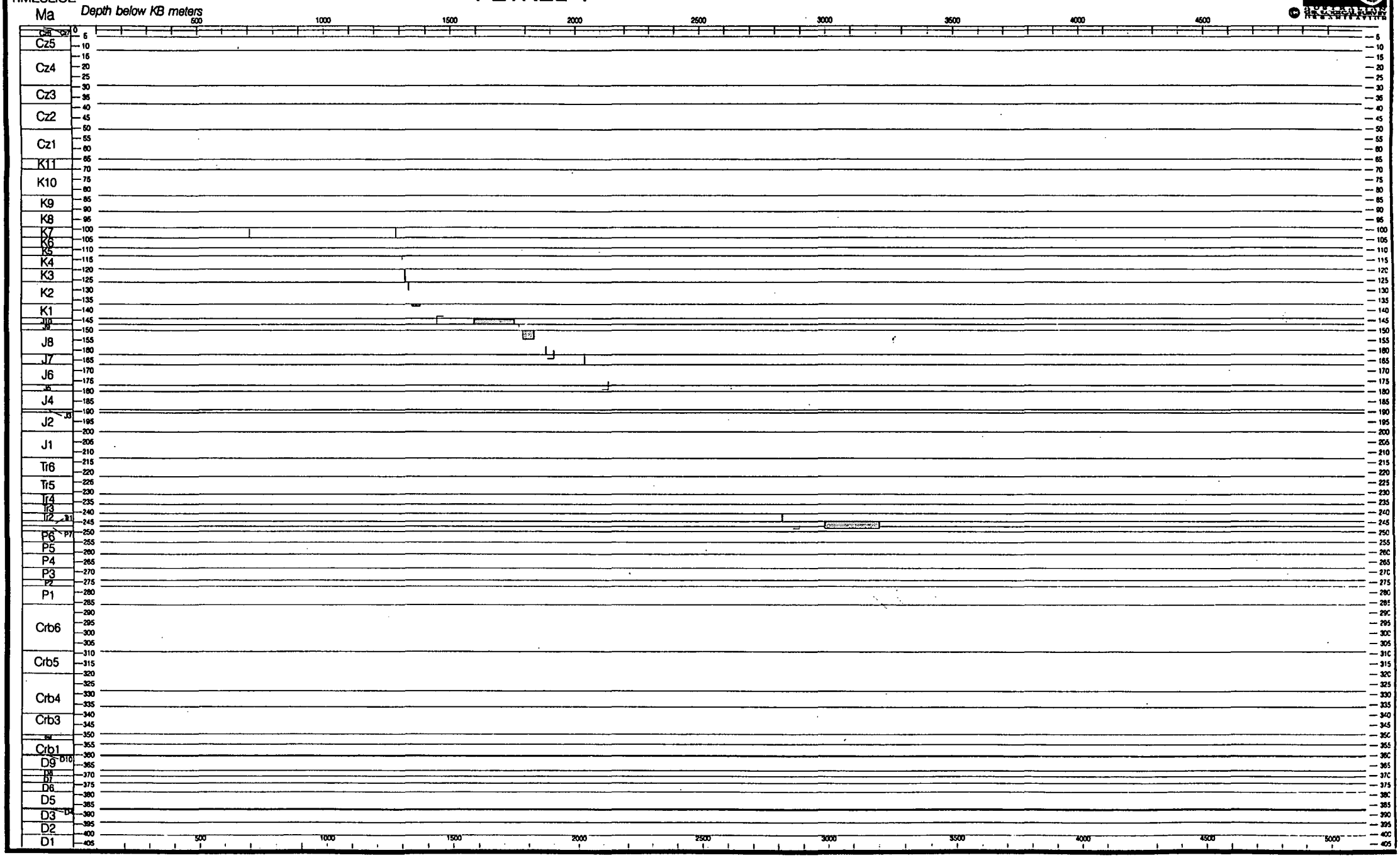
PENGUIN 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

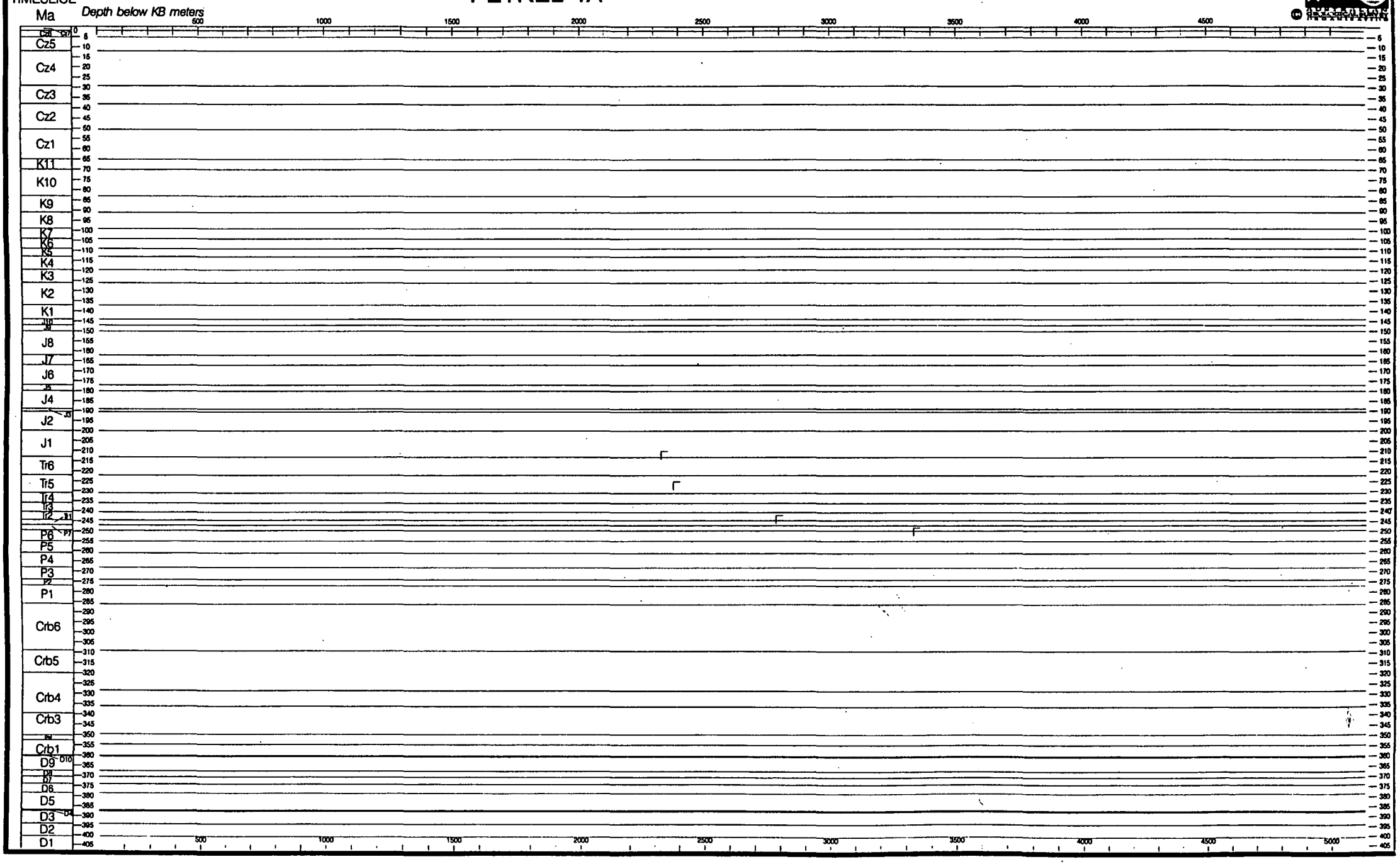
PETREL 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

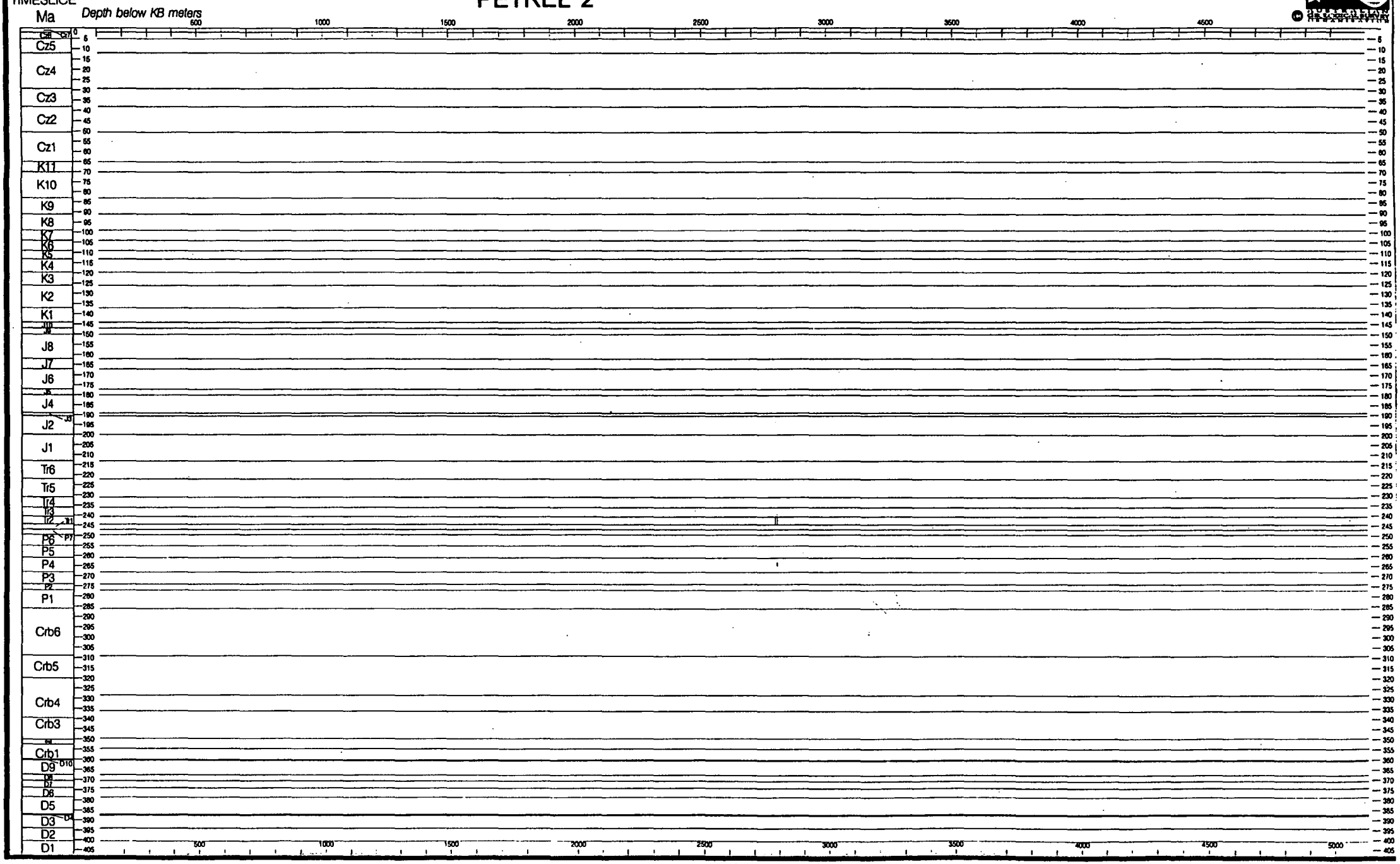
PETREL 1A



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

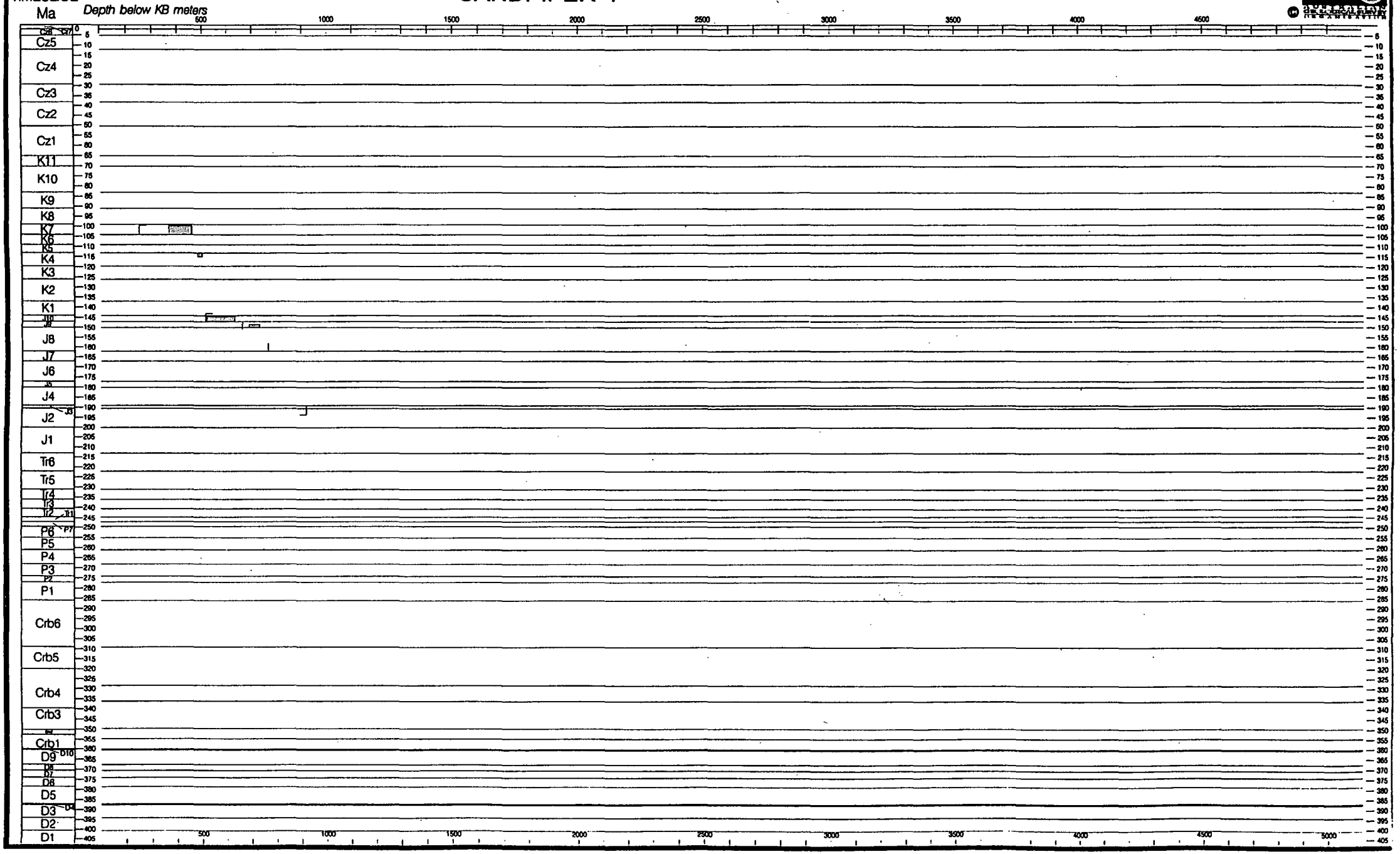
PETREL 2



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

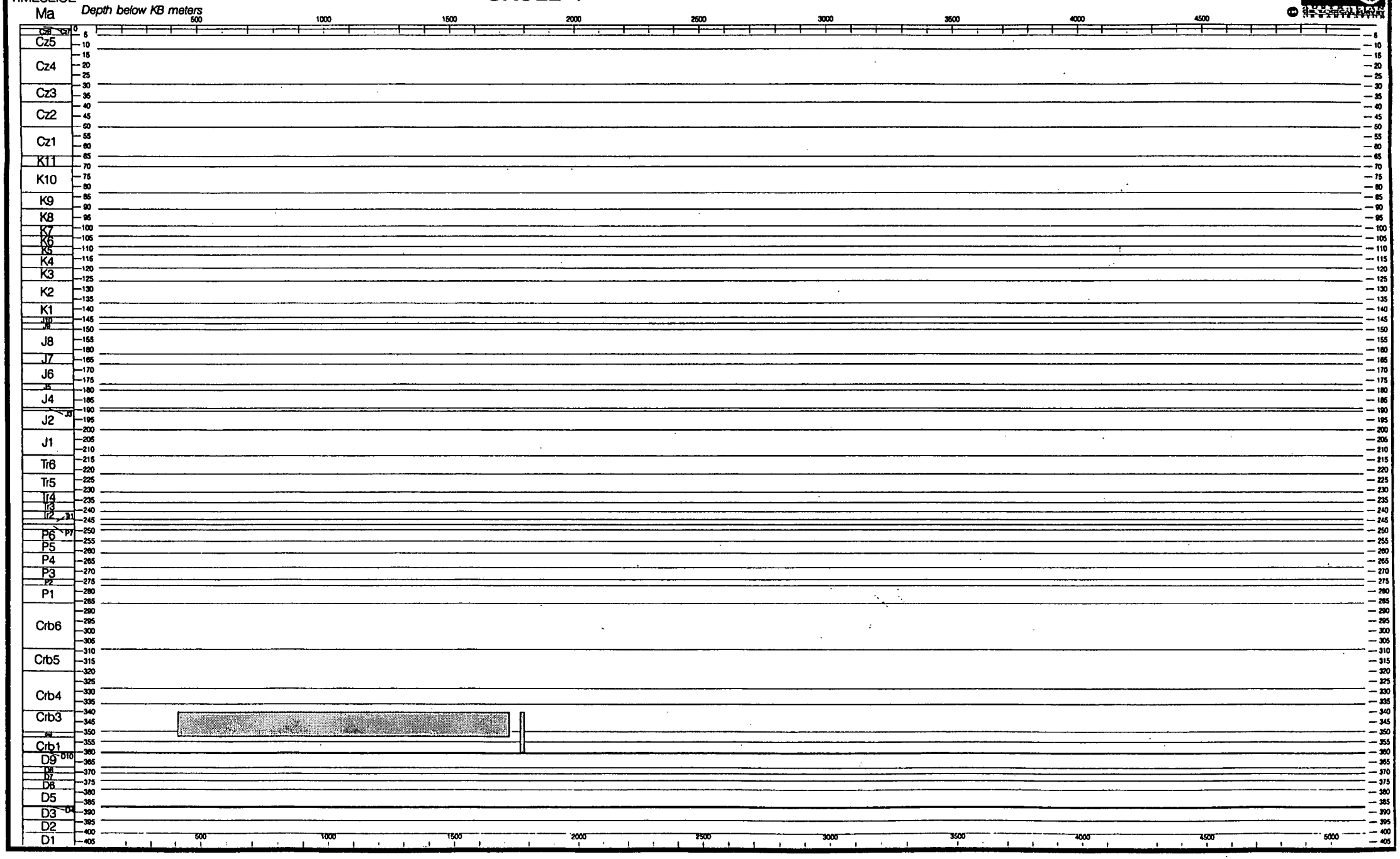
SANDPIPER 1



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

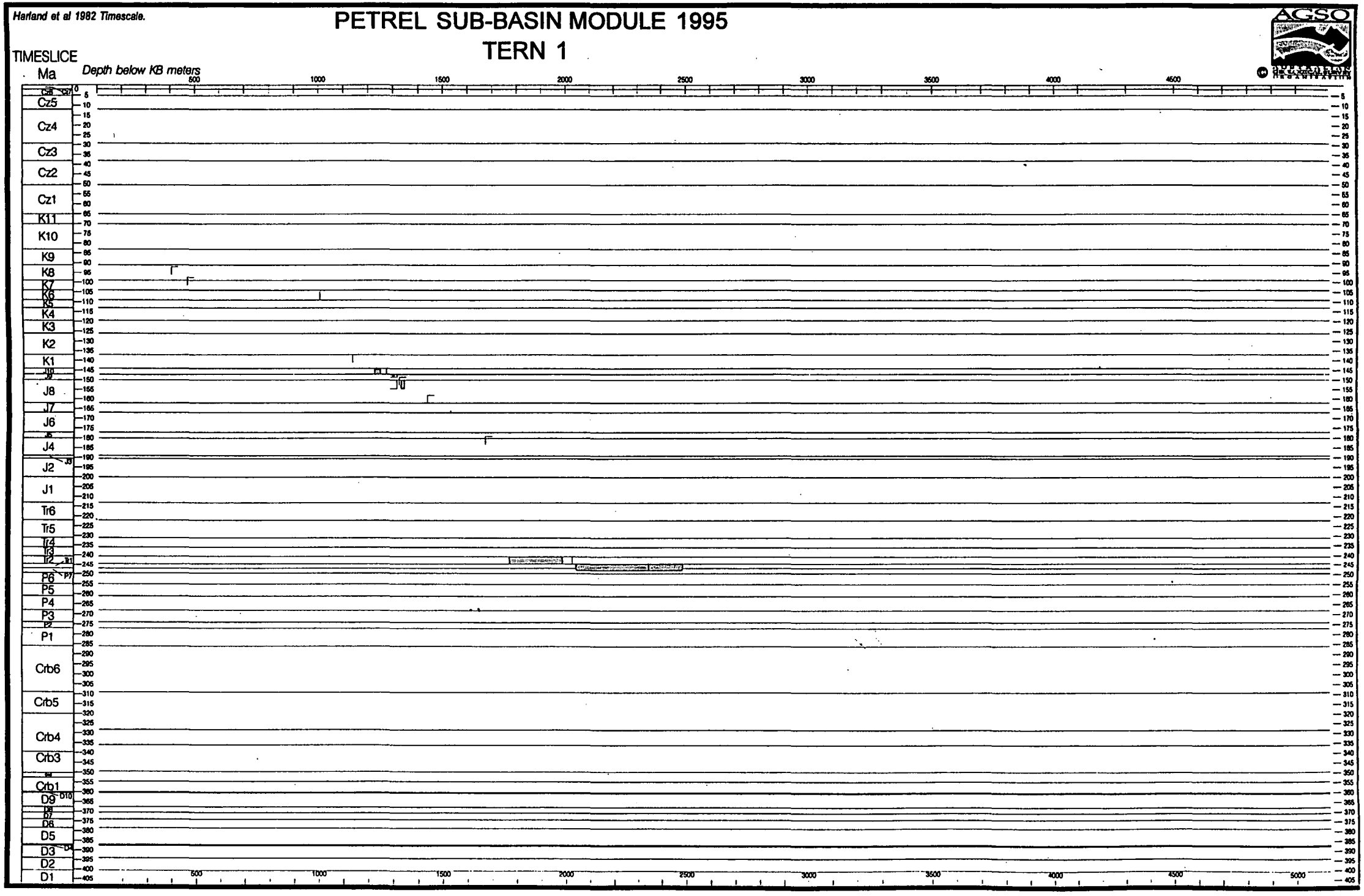
SKULL 1



Harland et al 1982 Timescale.

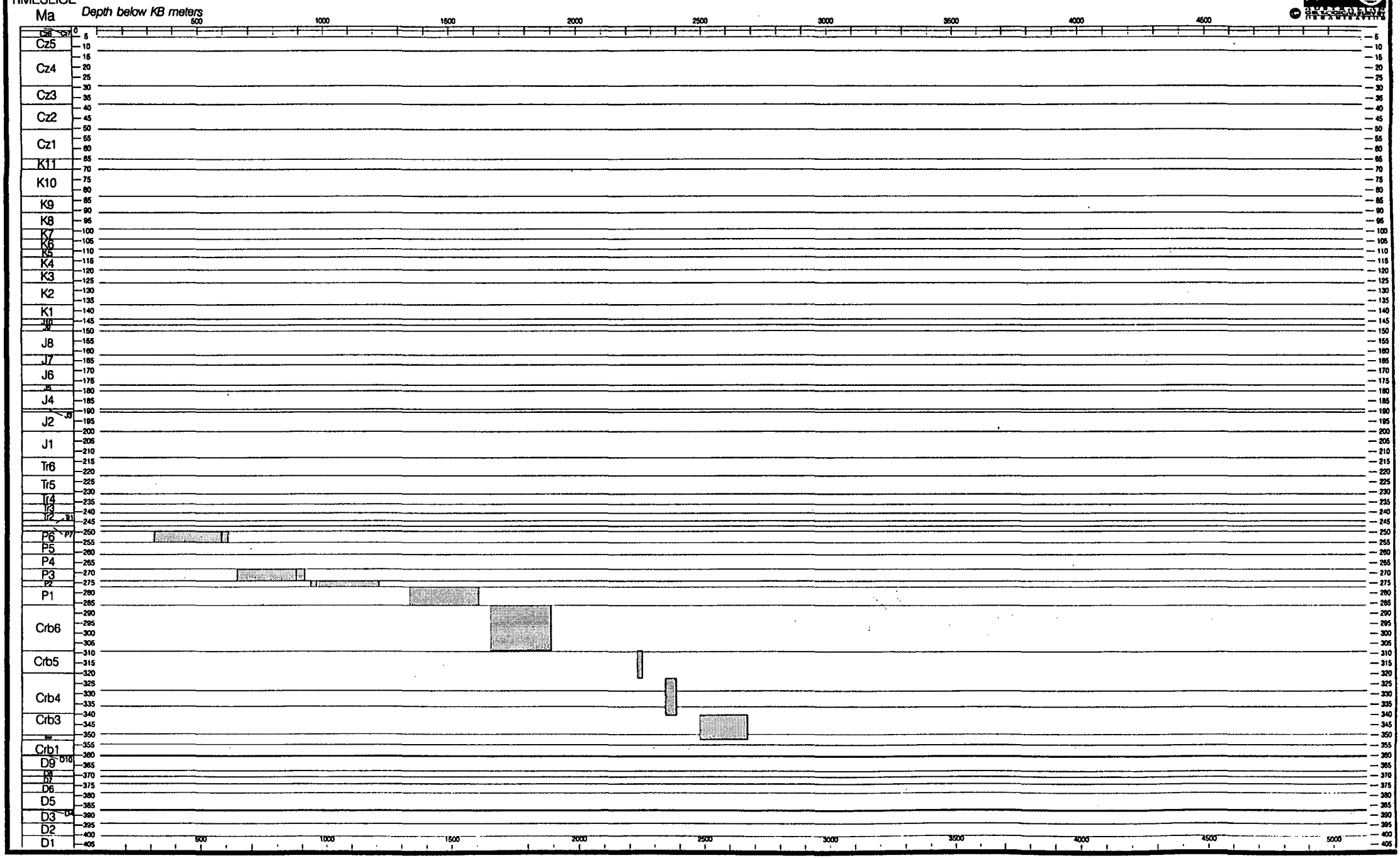
PETREL SUB-BASIN MODULE 1995

TERN 1



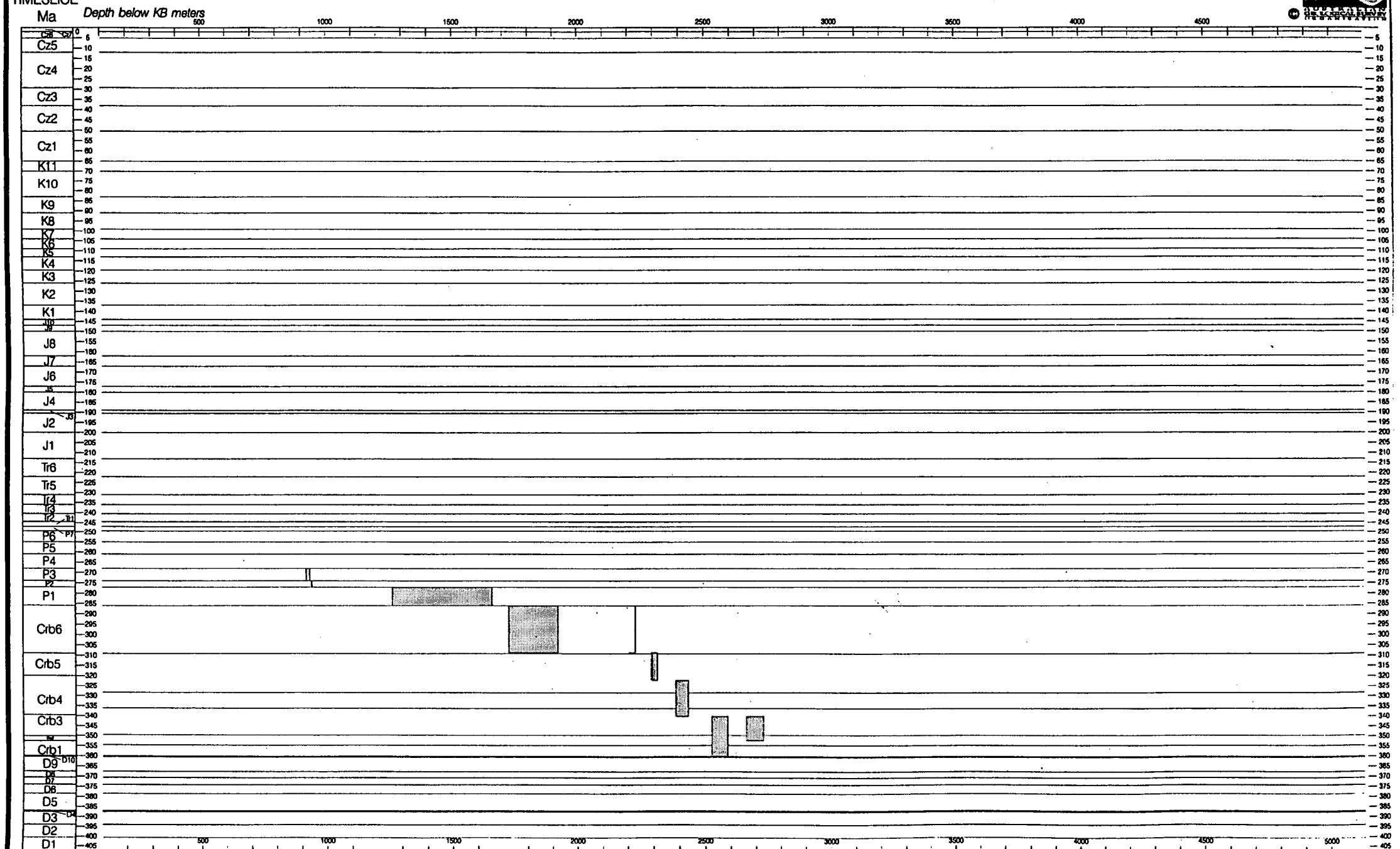
Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995
TURTLE 1



Harland et al 1982 Timescale.

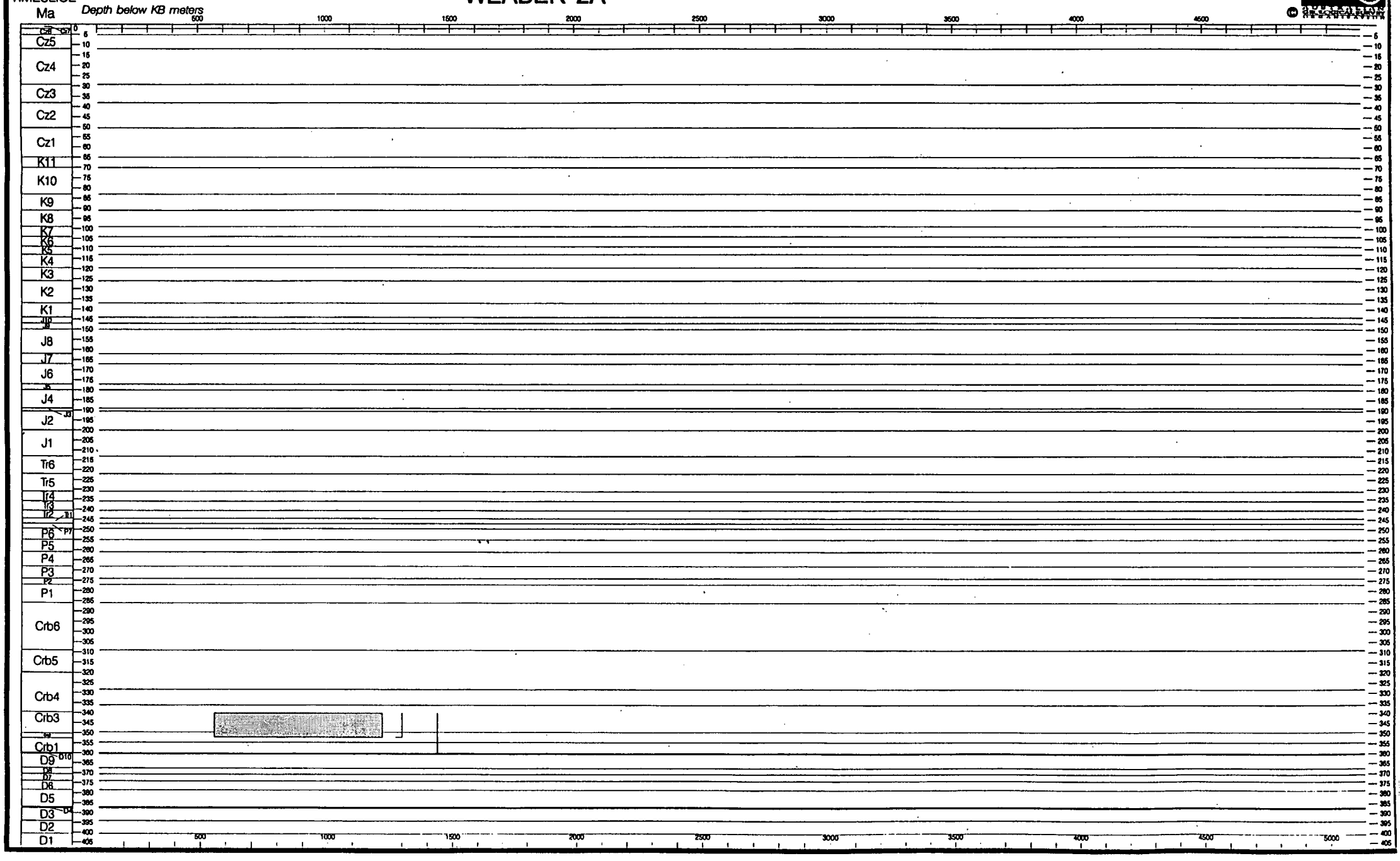
PETREL SUB-BASIN MODULE 1995
TURTLE 2



Harland et al 1982 Timescale.

PETREL SUB-BASIN MODULE 1995

WEABER 2A



APPENDIX: 3

STRATDAT DATABASE

APPENDIX 3
STRATDAT REPORTS WITH BIOSTRATIGRAPHIC ZONATIONS AND TIME SLICE PICKS
for the wells listed below:-

BARNETT 1
BARNETT 2
BARNETT 3
BERKLEY 1
BONAPARTE 1
BOUGAINVILLE 1
CAMBRIDGE 1
CURLEW 1
FLAT TOP 1
FRIGATE 1
GARIMALA 1
GULL 1
KEEP RIVER 1
KINMORE 1
KULSHILL 1
KULSHILL 2
LACROSSE 1
LESUEUR 1
MATILDA 1
MOYLE 1
NEWBY 1
NINGBING 1
PELICAN ISLAND 1
PENGUIN 1
PETREL 1
PETREL 1A
PETREL 2
PETREL 4
SANDPIPER 1
SKULL 1
TERN 1
TERN 2
TERN 3
TURTLE 1
TURTLE 2
WEABER 2A

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Barnett 1 -14.530467 129.061359 Bonaparte Basin
PEDIN/File numbers: W8850004 84/945

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
765.00	S6245 H	268.00	Stage 3b	PALAEO	P	B1	O	1
840.50	S6245 L	274.00	Stage 3b	PALAEO	P	A3	O	1
841.00	S6245 L	274.00	Stage 3b	PALAEO	A	A4	O	1
841.00	S6250 H	274.00	Stage 3a	PALAEO	A	A4	O	1
1047.00	S6250 L	277.00	Stage 3a	PALAEO	P	B3	O	1
1136.00	S6402 H	277.00	G.confluens	PALAEO	P	B3	O	1
1427.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1507.00	S6402 L	286.00	G.confluens	PALAEO	A	B3	O	1
1550.80	S7110 H	286.00	D.birkheadensis	PALAEO	A	A4	O	1
1765.00	S7110 H	286.00	D.birkheadensis	PALAEO	P	B3	O	1
1870.00	S7110 L	308.50	D.birkheadensis	PALAEO	P	B4	O	1

23 swc and 6 core samples processed from 765 to 2024 m. 10 barren, oldest playnoflora at 1870 m
Spinose acritarchs indicate marine/brackish waters at 765, 812.5, 840.5, 1374, 1550.8 m.

1 Foster, C.B., 1985a, Palynological Report. Aquitaine Barnett No. 1 (765-2024m), Bonaparte Basin.13pp.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Barnett 2
*** CONFIDENTIAL *** -14.532316 129.052213 Bonaparte Basin
PEDIN/File numbers: W8890013 89/690

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
22.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
235.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	2
235.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	2
518.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	2
518.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	2
829.10	S6245 M	271.00	Stage 3b	SNGL DEPTH	P	B1	O	1
1051.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
1051.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1103.00	S6402 H	277.00	G.confluens	PALAEO	P	B2	O	1
1332.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1567.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1567.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
1938.00	S7115 M	315.25	S.ybertii	SNGL DEPTH	P	B3	O	1
2060.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
2060.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2068.00	S7120 H	322.00	G.maculosa	PALAEO	P	B4	O	1
2083.00	S7120 L	340.00	G.maculosa	PALAEO	P	B3	O	1
2084.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2084.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
2192.00	S7130 H	340.00	G.frustulentus Microflora	PALAEO	A	B5	O	1
2197.80	S7130 H	340.00	G.frustulentus Microflora	PALAEO	P	B3	O	1
2387.00	S7130 L	360.00	G.frustulentus Microflora	PALAEO	A	B2	O	1
2396.00	S7130 L	360.00	G.frustulentus Microflora	PALAEO	P	D4	O	1
2400.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
2400.00	QT702 H	350.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	2
2400.00	S7261 H	350.00	Grandispora cf. G.praecipua	PALAEO	P	B1	O	1
2816.00	S7261 L	352.00	Grandispora cf. G.praecipua	PALAEO	P	D3	O	1
2818.00	QT702 L	352.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	2

110 samples comprising 58 cuttings, 10 cores, 42 swc from the interval 829.1 to 2815.8 m were studied by Foster (1989).
6 biozones were recognised, the Grandispora sp. cf. G. praecipua Zone was defined for the first time from this well by Foster (1989).
Assemblages from 2068 to 2083 m (swcs 11 to 14) are not older than G. maculosa Assemblage. SWC samples showed evidence of contamination
Cainozoic uncontrolled except in Curlew 1.
Good control when combined with Barnett 1 and 3.

1 Foster, C.B., 1989, Palynological Report. Elf-Aquitaine Barnett #2, Bonaparte Basin. 30pp. (unpublished report for Elf-Aquitaine)

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Barnett 2
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Barnett 3
*** CONFIDENTIAL *** -14.53425 129.05034 Bonaparte Basin
PEDIN/File numbers: W8900023 90/851

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
1279.00	S6402 H	277.00	G.confluens	PALAEO	P	B2	O	1
1495.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1496.50	S7100 H	277.00	M.tentula	PALAEO	P	B3	O	1
1556.00	S7100 L	286.00	M.tentula	PALAEO	P	B3	O	1
1603.50	S7110 M	297.25	D.birkheadensis	SNGL DEPTHP		B3	O	1

The M. tentula Zone is that of G.R. Wood, Santos Ltd (unpubl.). He considers that M. tentula first occurs below G. confluens, a view supported by Backhouse (1991, Rev. Palaeobot. Palynol. 67)

1 Marshall, N.G. & Wood, G.R., 1990, Palynological Report No. 1990/44. Barnett No. 3, Santos Ltd.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Berkley 1 -14.004331 127.831472 Bonaparte Basin
PEDIN/File numbers: W6820005 82/903

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
75.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	4
133.00	QT106 L	5.10	Time Slice Cainozoic 6	TIMESLICE	P	H2	C	4
133.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	4
315.00	S6250 H	274.00	Stage 3a	PALAEO	P	D2	O	1
555.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	4
555.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	4
555.00	S6250 L	277.00	Stage 3a	PALAEO	P	D4	O	1
555.00	S6402 H	277.00	G.confluens	PALAEO	P	D4	O	1
810.00	S6402 L	286.00	G.confluens	PALAEO	P	D2	O	1
815.00	L2040 H		Igneous basement	FORMATION	P	H2	C	4
815.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	4
873.00	L2040 L		Igneous basement	FORMATION	P	H2	C	4

Macleod's (1982) was the intial report on cuttings. Assemblages from 315 to 720 m were assigned to Stage III (Early Permian); 735-810 m assigned to Stage II.
Although Macleod's report uses III and II notation, it corresponds to 3 and 2 of Kemp et al., 1977. Stage 2 was considered as Late Carboniferous.
Ingram relooked at 4 cuttings samples and used the same notation. Stage III at 625 m, and 765-800 m to Stage II. These Stages are not confused with Balme's Units I - VII.
The key for Stage 3 is P. (or V.) pseudoreticulatus. This is not listed by Ingram. Macleod records the species as M. pseudoreticulatus, down to 675 m only, no support for inclusion of 720 m.
Use of Microbaculispora for the key Stage 3 marker, seems to indicate that similar, but not identical forms, were included in pseudoreticulatus. Later work by Foster (1986) suggests it was G. confluens, which precedes Stage 3.
Re-examination of palynological slides from Berkeley by Foster (1986) recognised the older G. confluens Zone from 810 to ?555 m and Stage 3 from 315 -?555 m: both Early Permian.
Cainozoic uncontrolled except in Curlew 1.
Basement is Proterozoic meta-quartz-diorite or monozite.
Drilled 815 to 873 m.
Amdel report GS P812/82, Sm/Nd age 1.34 Ga.

1 Foster, C.B., 1986, A review of Early Carboniferous-Early Permian palynological assemblages from selected samples from Kulshill Nos 1 & 2, Lesueur No. 1, Larcrosse No. 1, Pelican Island No. 1 and Berkley No. 1. 56pp., 7 figs, 19 pls.
2 Macleod, M., 1982, Palynological report on ditch cutting samples from

Berkley No. 1, for Magnet Petroleum 9 pp.
3 Ingram, B., 1982, Preliminary palynological results, Berkely No. 1, 2pp.
4 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Bonaparte 1 -15.016667 128.741667 Bonaparte Basin
PEDIN/File numbers: W6630007 63/1015

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
5.00	QT705 H	308.50	Time Slice Carboniferous 5	TIMESLICE	P	H1	C	3
190.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	3
190.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
209.40	S7125 H	340.00	A.largus	PALAEO	P	A4	O	1
1325.58	S7125 L	352.00	A.largus	PALAEO	P	A2	O	1
1630.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
1630.00	QT702 H	352.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	3
2280.00	QT702 L	352.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	3
2280.00	QT810 H	360.00	Time Slice Devonian 10	TIMESLICE	P	H3	C	3
3209.00	QT809 L	367.50	Time Slice Devonian 9	TIMESLICE	P	H3	C	3

Playford's 1971 study formed the basis of the A. largus Zone, as such it included this well. Playford noted that four events might be of significance between Bonaparte 1 and 2.
Wood (1988) further suggested subdivision of the largus Zone: Unit B (1325-1067 m), Unit C (1067-509 m), and Unit D (509-209 m). These have yet to be confirmed by common use.
Crb3 well constrained.
Low Crb2 from M.spinosa (ostracod) Jones BMR Bull 228
High Dev10 from bivalves Playford, BMR Bull. 115

1 Playford, G., 1971, Lower Carboniferous spores from the Bonaparte Gulf Basin Wesetrn Australia and Northern Territory. BMR Bulletin 115.
2 Wood, G.R., 1988, Palynological Report No. 1988/43, Weaber No. 2A, Santos Ltd, 9 pp.
3 McConachie, B., et al (1995) AGSO Record No. 1995/7.

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Bougainville 1 -13.773583 129.041806 Bonaparte Basin

PEDIN/File numbers: W8720002 72/70

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
49.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
254.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	1
254.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	1
313.00	M3250 H	119.50	upper M.australis 2dii	PALAEO	P	B4	E	
313.00	M3255 L	126.00	lower M.australis 2diii	PALAEO	P	B4	E	
317.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	1
317.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	1
457.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	1
457.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	1
600.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	1
600.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
1342.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
1342.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
1832.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	1
1832.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	1
2162.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	1
2162.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	1
2676.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
Pre K3 control by correlation to Petrel 1 and Barnett 2.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Cambridge 1 -14.290431 128.432639 Bonaparte Basin

PEDIN/File numbers: W6840006 84/665

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
30.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
96.00	QT106 L	5.10	Time Slice Cainozoic 6	TIMESLICE	P	H2	C	2
96.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	2
142.00	S6400 H	249.50	upper Stage 5	PALAEO	P	B1	O	1
222.50	S6400 L	255.00	upper Stage 5	PALAEO	P	B2	O	1
252.50	S6215 H	255.00	lower Stage 5c	MIN AGE	P	B2	O	1
273.00	S6225 L	261.00	lower Stage 5a	MAX AGE	P	B2	O	1
276.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	2
276.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	2
295.50	S6245 H	268.00	Stage 3b	PALAEO	P	B3	O	1
570.00	S6245 L	274.00	Stage 3b	PALAEO	P	B3	O	1
573.00	S6250 H	274.00	Stage 3a	PALAEO	P	B2	O	1
698.80	S6250 L	277.00	Stage 3a	PALAEO	P	B2	O	1
760.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
760.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
761.00	S6402 H	277.00	G.confluens	PALAEO	P	B2	O	1
1285.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1340.70	S7110 H	286.00	D.birkheadensis	PALAEO	A	B3	O	1
1342.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1342.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
1402.00	S7110 H	286.00	D.birkheadensis	PALAEO	A	B3	O	1
1621.50	S7110 L	308.50	D.birkheadensis	PALAEO	P	B3	O	1
1671.60	S7115 H	308.50	S.ybertii	PALAEO	P	B3	O	1
1699.00	S7115 L	322.00	S.ybertii	PALAEO	P	B3	O	1
1774.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
1774.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
1788.00	S7120 H	322.00	G.maculosa	PALAEO	P	B3	O	1
1817.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
1817.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
1817.00	S7120 L	340.00	G.maculosa	PALAEO	P	B3	O	1
1928.00	S7125 L	352.00	A.largus	SNGL DEPTH	P	B1	O	1
2184.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2

61 swc from 142 to 2210 m inclusive analysed; 16 barren, deepest dated at 1928m. The 45 productive samples assigned to 8 zones.
Cainozoic uncontrolled except in Curlew 1.
Good control on all horizons.

1 Foster, C.B., 1984, Appendix 5, WMC Cambridge No.1, Well Completion

Report
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Curlew 1 -11.770556 128.263889 Bonaparte Basin
PEDIN/File numbers: W8740008 73/15

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
133.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	5
259.08	P1130 H	12.10	N12/13	PALAEO	P	B4	E	
308.15	P1160 L	26.30	N4	PALAEO	P	B4	E	
339.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	5
339.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H2	C	5
371.86	M3105 H	64.50	A.circumtabulata	MIN AGE	P	B4	O	1
545.29	M3135 L	79.50	I.korojonense ob	MAX AGE	P	B3	O	4
812.91	M3195 L	92.00	P.infusorioides 1ai	MAX AGE	P	B3	O	4
938.80	M3200 H	92.00	D.multispinum 1aii	MIN AGE	P	B4	O	4
1158.25	M3210 H	99.50	P.ludbrookiae 1b	PALAEO	A	B4	O	4
1584.96	M3210 H	99.50	P.ludbrookiae 1b	PALAEO	P	B1	O	1
1645.92	P3270 H	97.50	P.buxtorfi	PALAEO	P	B4	E	
1703.83	M3210 L	104.00	P.ludbrookiae 1b	PALAEO	P	B1	O	1
1705.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	5
1705.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	5
1715.44	M3235 L	115.00	D.davidii 2biii	MAX AGE	P	B4	O	4
1715.44	M3230 H	111.00	lower M.tetracantha 2bii	MIN AGE	P	B4	O	4
1718.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	5
1718.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	5
1720.01	M3260 L	130.00	M.testudinaria 2div	MAX AGE	P	B5	O	4
1720.01	M3252 H	119.50	M.australis 2dii/iii	MIN AGE	P	B5	O	4
1746.50	M3210 L	104.00	P.ludbrookiae 1b	PALAEO	A	D2	O	3
1912.01	M3327 H	143.00	P.iehiense 4ci/ii	MIN AGE	P	B5	O	1
1914.14	M4100 H	144.50	D.jurassicum 5A/B	PALAEO	P	D2	O	3
1933.96	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	P	B2	O	1
1947.67	M4120 H	147.00	O.montgomeryi 5CI-III	MIN AGE	P	D2	O	3
1966.57	M4140 L	154.50	D.swanense 6A	MAX AGE	P	B2	O	1
1975.13	M4145 L	158.00	W.clathrata 6B	MAX AGE	P	B3	O	4
2000.71	M4165 L	164.00	R.aemula 7AI	MAX AGE	P	B2	O	1
2019.00	M4171 H	164.00	W.digitata 7AII/BI	PALAEO	P	B3	O	1
2029.97	M4171 L	167.00	W.digitata 7AII/BI	PALAEO	P	B3	O	1
2126.00	QT407 L	167.00	Time Slice Jurassic 7	TIMESLICE	P	H2	C	5

Micropal & palynology by S.N.P.A. Is mostly unreliable. Palynology by R.Helby (1975) & R.Morgan (pers.comm. on cts at 6400' & 6510'). Updated by A.D.Partridge, Aug 1990. Note: 4 sidetracks drilled to get through Bathurst Is.
Original hole & sidetrack-1 got to 5739' before abandonment.
This review is based on re-interpretation of data presented in reports by Helby (1975), Whelan (1990) and Morgan (1991).
Helby (1975) provided datafrom 17 SWC and 4 ditch cuttings samples. Selected

taxa were listed and discussion provided. The original data sheets were also reviewed for this report.
Poumot (1975) reported results of examination of 35 SWC samples. Selected taxa were listed from each sample. No range chart was available for this review.
Whelan (1990) examined 11 ditch cuttings samples between 1080-6210'. Non-quantitative range charts, with moderate discussion were provided.
Morgan (1991) reported the results of examination of 5 ditch cuttings samples. A quantitative range chart was provided and the samples were interpreted in terms of the HMP zonation.
Poumot recorded Is. korojonense at 1350' and 1789' suggesting that the interval is no older than Mid Campanian.
Poumot recorded Dinogymnium acuminatum at 2550' and Aiora fenestrata at 2667' suggesting that the sample is no older than P. infusorioides Zone equivalent.
Poumot recorded Diconodinium multispinosum between 2840-2628'. It is most likely that these comprise a broad plexus including D. multispinum, D. pusillum and D. davidii.
Samples between 2840-3545' include D. multispinosum but appear to lack Albian indices and are tentatively assigned to the D. multispinum Zone (1aii). Supported by C. edwardsii acme at 3080'.
The top of the Albian is tentatively drawn above Poumot's sample at 3800', which contains D. tuberculatum.
Poumot recorded Diconodinium spp., Muderongia tetracantha, Dingodinium cerviculum and Pseudoceratium sp. at 5628' supporting confident assignment to the interval of the M. tetracantha Zone to D. davidii Zone.
Poumot recorded Muderongia macwhaei and Dingodinium cerviculum 5643' supporting a confident assignment to the interval of the M. australis Zone to the M. testudinaria Zone.
The rich spore-pollen assemblage, apparently lacking microplankton, recorded by Poumot at 6050' suggest that it lies below the Darwin Formation.
A relatively continuous sequence of Tithonian-Kimmeridgian zones from D. jurassicum through W. clathrata Zone (5a-6b) is recorded. The W. spectabilis Zone was not recorded between 6480-6564'.
Reviewed by Robin Helby, November 1994.
Regional Cainozoic control well.
Good control on all horizons.

1 Helby R., 1975, WCR Appendix 2 - Palynology Report, 77-94.
2 Whelan G., 1990, II.2.2 Palynology - extract from unpublished IEDS report.
3 Morgan R., 1991, New palynology on BMR cutts for Curlew-1. CCL Rpt 822.
4 Poumot C., 1975, Well Completion Report, 2.2 - Phytoplanktology, 52-74.
5 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Flat Top 1 -12.376472 129.265528 Bonaparte Basin Darwin Shelf
PEDIN/File numbers: W8700002 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
55.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
189.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	2
189.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	2
713.00	M3210 M	101.75	P.ludbrookiae 1b	SNGL DEPTH	P	D2	O	1
730.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	2
730.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	2
740.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	2
740.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	2
741.00	M3235 M	114.00	D.davidii 2biii	SNGL DEPTH	P	D2	O	1
783.00	M4135 M	149.25	C.perforans 5D	SNGL DEPTH	P	D5	O	1
814.00	M4165 H	162.00	R.aemula 7AI	PALAEO	P	D2	O	1
826.00	M4165 L	164.00	R.aemula 7AI	PALAEO	P	D4	O	1
870.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	2
870.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	2
875.00	S4135 H	173.00	D.complex	MIN AGE	P	D4	O	1
978.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	2
978.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	2
981.00	S5110 H	210.00	A.reducta	MIN AGE	P	D5	O	1
1113.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	2
1113.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	2
1231.00	S5130 H	225.00	S.speciosus (NWS)	MIN AGE	P	D5	O	1
1247.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	2
1247.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	2
1262.00	S5160 H	248.00	P.microcorpus	MIN AGE	P	D2	O	1
1442.00	S6150 H	273.00	D.townrowii(Powis/Esso use)	PALAEO	P	B4	E	
1455.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	2
1455.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	2
1760.00	S6150 L	277.00	D.townrowii(Powis/Esso use)	PALAEO	P	B4	E	
1898.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
1898.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1898.00	S7100 H	277.00	M.tentula	PALAEO	P	B4	E	
2164.00	S7100 L	286.00	M.tentula	PALAEO	P	B4	E	
2174.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2

This report is based on a re-interpretation of data presented by Morgan (1991). Morgan examined 21 ditch cuttings samples between 713-1286m. Quantitative distribution data were provided.
Morgan interpreted the data in terms of the HMP zonation. There are some differences in interpretation.
Morgan's assigned the sample at 814m to the D. jurassicum Zone. The occurrence of Wanaea digitata, W. indotata and R. aemula suggest that the

sample is no younger than the W. spectabilis Zone.
Morgan tentatively assigned the sample at 826m to the W. digitata Zone. However, this sample contained R. aemula and R. filamentosum suggesting that it was more likely R. aemula Zone.
Morgan assigned the 875m sample to the W. digitata Zone. There is a marked jump in spore-pollen and the apparent absence of Contignisporites spp. and M. florida suggest the sample could be as old as the upper D. complex Zone.
Samples at 914m and 969m were apparently lean but contained Dissiliodinium, Ctenidodinium and Mendicodinium species - consistent with the Bathonian assignment at 875m.
Although recoveries were very low the occurrence of F. australis and A. astigmosus at 981 suggest that the Mid-Late Triassic has been intersected.
The occurrence of E. viens at 1216m suggests that the lower M. crenulatus Zone and/or the S. speciosus Zone is represented in the well.
The apparent absence of E. vigens at 1231m is weak support for a pre- S. speciosus assignment, while the occurrence of Ovalipollis indicates that the assemblages is possibly no older than the S. quadrifidus Zone.
I support Morgan's pick of the P. microcorpus Zone at 1262m, although not at 1286m. I consider that the P. microcorpus indices are possibly caved into this level. 38% S. ovatus and 8% P. limpidus suggests Stage 5 to me.
Reviewed by Robin Helby November, 1994.
Cainozoic uncontrolled except in Curlew 1.
Good control on all sequences.
Seismic correlation to other wells.

1 Morgan R., 1991, New palynology data from Flat Top-1. CCL Rpt 856.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Frigate 1 -13.179722 127.923611 Bonaparte Basin
PEDIN/File numbers: W6780001 77/1684

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
112.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	5
265.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	5
265.00	QT309 H	83.00	Time Slice Cretaceous 9	TIMESLICE	P	H2	C	5
646.18	M3200 L	97.50	D.multispinum 1aii	MAX AGE	P	D5	O	2
877.82	M3205 H	97.50	X.asperatus 1aiii	MIN AGE	P	D4	O	2
979.02	M3210 L	104.00	P.ludbrookiae 1b	MAX AGE	P	B1	O	1
995.00	QT307 L	104.00	Time Slice Cretaceous 7	TIMESLICE	P	H2	C	5
995.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	5
999.13	M3265 H	130.00	P.burgerii 3a	MIN AGE	P	B5	O	1
1002.79	M3270 H	132.00	S.tabulata 3b	MIN AGE	P	D3	O	1
1013.46	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE	A	D5	O	2
1029.61	M4120 H	147.00	O.montgomeryi 5CI-III	PALAEO	P	B2	O	3
1196.04	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO	P	B1	O	3
1233.53	M4140 M	152.25	D.swanense 6A	SNGL DEPTH	P	B1	O	3
1263.09	M4150 H	158.00	W.spectabilis 6CI/II	PALAEO	P	B1	O	3
1284.12	M4150 L	162.00	W.spectabilis 6CI/II	PALAEO	P	B2	O	3
1563.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	5
1563.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	5
1585.00	QT405 L	180.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	5

This report is based on re-interpretation of reports by Helby and by Poumot in the well completion report, Morgan (1991) and unpublished data from Helby (1979).
Helby (in WCR) provided discussion and distribution data from 10 SWC and 4 ditch cuttings samples. These data were supplemented by a review of the existing samples (Helby, 1978).
Poumot (in WCR) provided discussion of 17 SWC and 12 ditch cuttings samples. Assemblage data were presented as an aggregated selection from as many as 12 samples.
Morgan (1991) examined 3 ditch cuttings samples. Detailed assemblage data were provided.
Poumot (in WCR) assigned samples between 1080-1280m to the Late Cretaceous. None of the taxa listed, with the possible exception of "Proteacidites scaboratus", necessarily indicate a post-Cenomanian age.
Top Albian is interpreted in ditch cuttings at 2880' on the basis of Poumot's record of D. tuberculatum. However, it should be noted that Poumot has aggregated selected taxa from 2 samples, so that D. tuberculatum may be absent from the higher sample.
Helby (in WCR) indicated that at least one of the samples at 999m and 1001m was mislabelled or out-of-place. The occurrence of Systematophora spp. in cuttings at 3290/3300' suggest that the sample at 1001m cannot be in situ.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Frigate 1
The top of the Petrel Formation is suggested by the occurrence in ditch cuttings of R. aemula (at 3325' - Poumot in WCR) and supported by the occurrence of E. torynum (at 3300/70' - Helby, 1979).
However, the SWC sample at 3375' is considered no older the S. tabulata (3b) Zone. This sample may be out-of-place.
Helby (1979), re-assigned the samples at 1154.5m and 1196m to the O. montgomeryi Zone (5c), the sample at 1233.4m to the Omatia spp. (6a-D. swanense) and the samples at 1263m and 1284m to the O. butticula Zone (-W.spectabilis 6c).
Morgan (1991) assigned the sample at 1290m to the D. swanense Zone (6a). However, he also recorded W. digitata, Meiourogonyaulax sp. (spiny), Kylindrocysta sp. 221 and Ctenidodinium cf. tenellum. These taxa could support a 6ciiib/7ai assignment.
Poumot assigned samples below 4200' to the Oxfordian. His data do not support a critical review. Helby recorded proximo-chorate cysts at 1504.3m suggesting that the sample was no older than Callovian, although contamination was reported (Helby, 1978).
Reviewed by Robin Helby - August 1994.
Cainozoic uncontrolled except in Curlew 1.
Poor control in early and middle Jurassic section.

1 HELBY R., 1978, Palynological Report - Frigate-1 Well Completion Report, Appendix 2.
2 POUMOT C., 1978, In Frigate-1 Well Completion Report
3 HELBY R., 1979, Rapid review of ARCO Frigate-1 well palynology. Unpublished Report.
4 MORGAN R., 1991 New palynology on BMR cutts for Frigate-1. Unpublished Report.
5 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: well like 'Garimala%'
Ordering : WELL Depth,Pick

Garimala 1 -15.187917 128.726333 Bonaparte Basin
PEDIN/File numbers: W6880030

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
1.80	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H1	C	2
1317.00	S7125 H	340.00	A.largus	PALAEO	P	B4	O	1
1761.00	S7125 L	352.00	A.largus	PALAEO	P	B4	O	1
1955.00	QT701 H	352.00	Time Slice Carboniferous 1	TIMESLICE	P	H1	0	2
2235.00	S7130 H	340.00	G.frustulentus Microflora	SNGL DEPTH	P	B4	O	1
2250.00	QT701 L	360.00	Time Slice Carboniferous 1	TIMESLICE	P	H1	O	
2250.00	QT810 H	360.00	Time Slice Devonian 10	TIMESLICE	A	H1	O	

Wood proposes a four fold subdivision (A-D) of A.largus Zone in this report. As he notes, more work is required to test this proposal.
Assemblages from 1317 to 1491.5 m are assigned to A. largus Unit B by Wood, Unit A (oldest) spans ?1529.5 to 1761 m. Wood shows correlatives of these Units in surrounding wells.
Assemblage at 2235 m is very poorly preserved, belongs to A. largus or G. spiculifera; hence assignement to the G. frustulentus Microflora, which includes both these zones.
Assemblage at 2259.5 m very poorly preserved, ranges in age from A. largus to R. lepidophyta (Late Devonian to Early Carboniferous, Visean).
All assemblages from 1317 to 2529 m are highly carbonised, Wood's report provides estimates of vitrinite reflectance based on spore colour. It ranges from Rve 1 -1.1% to greater than 1.3% .
The following swc samples were barren: 1721.5, 1825, 1866.5, 1886, 1909, 1934.5, 2000.5, 2190.5, 2309, 2400.5, 2463, 2529 m.
Crb1 to Crb3 well constrained.

1 Wood, G.R., 1989, Palynology Report No. 1988/53, Garimala No. 1, WCR of SANTOS LTD. 6 pp.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Gull 1 -11.941389 127.910278 Bonaparte Basin
PEDIN/File numbers: W6700012 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
148.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	7
472.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	7
472.00	QT311 H	65.00	Time Slice Cretaceous 11	TIMESLICE	P	H2	C	7
728.85	M3105 H	64.50	A.circumtabulata	MIN AGE	P	D4	O	1
1067.00	P3240 M	86.90	H.papula	SNGL DEPTH	P	D4	E	
1079.00	P3255 M	89.55	P.helvetica	SNGL DEPTH	P	B3	E	
1224.40	M3205 H	97.50	X.asperatus 1aiii	MIN AGE	A	B4	O	1
1828.82	M3205 H	97.50	X.asperatus 1aiii	MIN AGE	P	B4	O	1
1890.00	P3270 H	97.50	P.buxtorfi	PALAEO	P	B4	E	
2017.00	P3270 L	98.70	P.buxtorfi	PALAEO	P	B4	E	
2048.87	M3210 M	101.75	P.ludbrookiae 1b	SNGL DEPTH	P	B2	O	2
2094.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	7
2094.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	7
2096.11	M3225 H	109.00	M.tetracantha 2bi/ii	MIN AGE	P	B4	O	2
2103.73	M3235 M	114.00	D.davidii 2biii	SNGL DEPTH	P	B1	O	1
2108.91	M3250 M	121.25	upper M.australis 2dii	SNGL DEPTH	P	B2	O	2
2129.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	7
2129.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	7
2129.03	M3270 M	133.50	S.tabulata 3b	SNGL DEPTH	P	B4	O	2
2150.97	M3300 H	138.00	upper B.reticulatum 4aiii	MIN AGE	P	B4	O	2
2211.63	M3315 L	142.00	C.delicata 4bii	MAX AGE	P	A4	O	2
2346.96	M3327 H	143.00	P.iehiense 4ci/ii	MIN AGE	P	D5	O	2
2440.00	M4160 H	160.50	lower W.spectabilis 6CII	MIN AGE	P	D5	O	3
2470.00	M4165 H	162.00	R.aemula 7AI	MIN AGE	P	D3	O	3
2503.63	M4171 M	165.50	W.digitata 7AII/BI	SNGL DEPTH	P	B2	O	2
2574.95	S4125 H	167.00	C.cooksoniae	PALAEO	P	B2	O	2
2579.22	S4125 L	173.00	C.cooksoniae	PALAEO	P	B2	O	2
2770.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	7
2770.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	7
2773.68	S4135 H	173.00	D.complex	MIN AGE	P	D4	O	2
2914.80	S4145 H	179.00	I.turbatus	MIN AGE	P	B4	O	2
3019.65	S4150 L	210.00	C.torosa	MAX AGE	P	B4	O	2
3042.00	S4150 L	210.00	C.torosa	MAX AGE	A	B4	O	4
3111.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	7
3111.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	7
3124.20	S5110 H	210.00	A.reducta	MIN AGE	P	B5	O	5
3319.00	S5120 H	219.00	M.crenulatus	MIN AGE	P	D5	O	4
3387.85	S5130 H	225.00	S.speciosus (NWS)	PALAEO	P	B2	O	5
3389.38	S5130 L	235.00	S.speciosus (NWS)	PALAEO	P	B2	O	5
3418.33	S5100 L	249.00	Falcisporites Superzone	MAX AGE	P	B5	O	5
3421.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	7

Palynology based on work by R.J.Helby (1974, Petrel rept). Top Triassic seismic interpretation by M.Taylor, Aug 1989. Palynology review & partial update by A.D.Partridge April 1990.
This review is based on re-interpretation of data provided in reports by Helby (1974a, b), Lister (1971), Morgan (1991a,b) and Poumot (1971).
Poumot (1971) provided selected, non-quantitative distribution data and discussion from 27 SWC, 21 ditch cuttings and 11 core samples from 7 conventional cores.
Poumot's data are based on selected taxa, some of which are coded.
Interpretations reflect the lack of zonation studies at that time.
Lister (1971) studied 4 samples from conventional core 9. Lister assigned an early Jurassic age to those samples.
Helby (1974a) provided non-quantitative distribution data from 22 SWC, 2 conventional core samples (CC4) and 3 ditch cuttings samples. Some Helby samples were re-examined as part of this project.
Helby (1974b) provided non-quantitative data from 8 SWC samples.
Morgan (1991a) provided quantitative distribution data from 11 ditch cuttings samples between 2150-2495m. Morgan's interpretations between 2150-2225m are not supported by data from other samples, reflecting heavy caving in the Morgan cuttings samples.
Morgan (1991b) provided quantitative distribution data from 14 ditch cuttings and 1 SWC samples between 3042-3389m.
Poumot tentatively assigned the sample at 1020' to the Florscheutzia levipoli Zone, although F. levipoli was not listed on his range chart (unless coded).
Poumot recorded a 'Proteacidites interval' between 1200-1580'. The occurrence of P. pachypolus at 1400' may indicate early Eocene or older associations.
Poumot defined a Maastrichtian interval at 1990/2010'. This is not supported by the listed taxa. His first downhole occurrence of Cretaceous microplankton was at 2390'.
Poumot's identification of Diconodinium multipsinum probably represents the D. pusillum/cristatum plexus. Samples between 4017-5840' are only tentatively considered late Albian and could be as young as Cenomanian.
The downhole occurrence of Dinopterygium tuberculatum at 6000' confirms the Albian age.
The sample at 6877' is no younger than the lower M. tetracantha Zone (2biib), and on the basis of the occurrence of Diconodinium sp., reported by Poumot, could be as old as D. davidii Zone (2biii).
The assignment of the sample at 6902' to the D. davidii Zone is a very high confidence pick.
The top of Petrel Formation occurs in the sample gap between 6985-7057'.
The samples in the upper Petrel Formation are not well characterized and are regarded as no younger than the B. reticulatum Zone on the basis of the consistent occurrence of P. apiculatum and B. apicoramosa.
The sample at 7700' is tentatively considered no younger than the P. iehiense Zone on the basis of the occurrence of Sirmiodinium triangularis and Oligosphaeridium sp. A.
Morgan (1991a) recorded Microdinium sp. 619 (-M. oxfordianum) at 2440/50m. This form is rare or absent above the mid W. spectabilis Zone (6ciib). S. crystallinum was tentatively recorded supporting assignment to the W.spectablis Zone.
The first downhole occurrence of Ctenidodinium sp. together with R. aemula supports an R. aemula Zone (7a) assignment. The apparent absence of R. aemula

at 8214' supports a W. digitata Zone assignment.
The increasing rarity of microplankton suggests downhole shallowing. Samples between 8448-9127' are considered no younger than the C. cooksoniae spore-pollen Zone on the basis of the consistent occurrence of the nominate species.
The top of the Triassic sequence is placed above the sample at 10250' where F. australis was relatively prominent, although Morgan (1991b) recorded a specimen of Rimaeporites aquionalis at 3042m is a sample dominated (79%) by C.torosa.
The relatively prominent occurrence of E. vigens and S. speciosus between 3388-3389m suggest that the Carnian has been intersected at or above those levels.
Reviewed by Robin Helby, December 1994.
Cainozoic uncontrolled except in Curlew 1.
Good control on all horizons.

1 Poumot, C., Palynostratigraphy in WCR, Appendix 1A, 46-55.
2 Helby R., 1974a, A palynological study of the Petrel Formation. Unpubl., Rpt to ARCO Australia.
3 Morgan, R., 1991a. New palynology on BMR cutts for Gull-1, Browse-Bonaparte Basin. CCL Rpt 824.
4 Morgan, R., 1991b. New palynology data from Gull-1, Browse-Bonaparte Basins, Australia. CCL Rpt 857.
5 Helby R., 1974b. A palynological study of the Cambridge Gulf Group. Unpubl., Rpt to ARCO Australia.
6 Lister, T.R., 1971. Palynology Report, ARCO Gull No. 1 well. In WCR, Appendix 1B, 56-58.
7 McConachie, B., et al (1995) AGSO Record No. 1995/7.

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Keep River 1 -15.168056 129.089444 Bonaparte Basin

PEDIN/File numbers: W8680042 68/2029

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
4.70	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H1	C	1
950.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	1
950.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	1
2771.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	1
2771.00	QT702 H	350.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	1
3726.00	QT701 L	360.00	Time Slice Carboniferous 1	TIMESLICE	P	H2	C	1
3726.00	QT810 H	360.00	Time Slice Devonian 10	TIMESLICE	P	H3	C	1
4737.00	QT809 L	367.50	Time Slice Devonian 9	TIMESLICE	P	H3	C	1
4737.00	QT808 H	367.50	Time Slice Devonian 8	TIMESLICE	P	H3	C	1
4762.00	QT808 L	370.50	Time Slice Devonian 8	TIMESLICE	P	H3	C	1

Only controlled by correlation to Skull 1.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Kinmore 1 -14.033614 129.262448 Bonaparte Basin
PEDIN/File numbers: W8740005 74/117

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
38.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
102.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	1
102.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
505.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
505.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
866.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	1
866.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	1
1519.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	1
1519.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	1
2542.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	1
2542.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	1
3038.00	L3015 H		Evaporite(s)	FORMATION	P	H2	C	1
3038.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	1
3038.00	QTX00 H	438.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	1
3250.00	L3015 L		Evaporite(s)	FORMATION	P	H2	C	1
3250.00	QTX00 L	505.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
Only controlled by correlations to Penguin 1 and Flat Top 1.
3038 to 3250 m is halite.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Kulshill 1 -14.363056 129.5425 Bonaparte Basin
PEDIN/File numbers: W8650002 65/4145

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
4.50	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H1	C	2
186.54	S6245 H	268.00	Stage 3b	PALAEO	P	A4	O	1
188.52	S6245 L	274.00	Stage 3b	PALAEO	P	A3	O	1
367.28	S6250 H	274.00	Stage 3a	PALAEO	P	A3	O	1
428.95	S6250 L	277.00	Stage 3a	PALAEO	P	A3	O	1
600.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
600.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
621.49	S6402 H	277.00	G.confluens	PALAEO	P	A2	O	1
1201.83	S6402 L	286.00	G.confluens	PALAEO	P	A3	O	1
1277.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1277.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
1502.36	S7110 H	286.00	D.birkheadensis	PALAEO	A	A3	O	1
1504.19	S6402 L	286.00	G.confluens	PALAEO	A	A4	O	1
1579.47	S7110 H	286.00	D.birkheadensis	PALAEO	P	A3	O	1
1676.10	S7110 L	308.50	D.birkheadensis	PALAEO	P	A3	O	1
1781.86	S7115 H	308.50	S.ybertii	PALAEO	P	A3	O	1
1881.23	S7115 L	322.00	S.ybertii	PALAEO	P	A3	O	1
2104.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
2104.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2111.35	S7120 H	322.00	G.maculosa	PALAEO	P	A3	O	1
2364.64	S7120 L	340.00	G.maculosa	PALAEO	P	A3	O	1
2460.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2460.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
3761.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
3761.00	QT810 H	360.00	Time Slice Devonian 10	TIMESLICE	P	H3	C	2
4057.00	QT809 L	367.50	Time Slice Devonian 9	TIMESLICE	P	H3	C	2
4057.00	QT808 H	367.50	Time Slice Devonian 8	TIMESLICE	P	H3	C	2
4394.00	QT807 L	374.00	Time Slice Devonian 7	TIMESLICE	P	H3	C	2

44 samples restudied from 612 to 14094 ft; 24 productive, examination from existing palynological slides, no control on sample quality. Estimates here from yield and preservation, on slides.
Assemblge at 612 ft lacks the index G. trisinus, but is included in Stage 3B, as palynoflora from the same core (1), belongs to this zone.
G. confluens at 4935 ft, below D. birkheadensis at 4929 ft a problem. Both samples from core 16; core upside down in tray? Minor faulting reported in WCR over this interval.
Samples below 8325 ft barren; G. maculosa oldest zone recorded at 7758 ft.
Cainozoic uncontrolled except in Curlew 1.
Good control on rocks younger than Crb3.

1 Foster, C.B., 1986, A review of Early Carboniferous-Early Permian palynological assemblages from selected samples from Kulshill Nos 1 & 2, Lesueur No. 1, Larcrosse No. 1, Pelican Island No. 1 and Berkley No. 1. 56pp., 7 figs, 19 pls.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Kulshill 2 -14.405 129.544444 Bonaparte Basin
PEDIN/File numbers: W8660002 66/4210

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
1143.79	S7115 H	308.50	S.ybertii	PALAEO	P	A3	O	1
1568.91	S7115 L	322.00	S.ybertii	PALAEO	P	A3	O	1
1807.46	S7120 H	322.00	G.maculosa	PALAEO	P	A3	O	1
1958.29	S7120 L	340.00	G.maculosa	PALAEO	P	A3	O	1

Palynological slides from seven productive samples from 3752 to 6424 ft (cores 1 to 6) were re-examined by Foster (1986).
Yield was low, preservation ranged from poor to fair. Evidence of salinity, from occurrences of spinose acritarchs, is in all but the uppermost sample at 3752.58 ft.

1 Foster, C.B., 1986, A review of Early Carboniferous-Early Permian palynological assemblages from selected samples from Kulshill Nos 1 & 2, Lesueur No. 1, Larcrosse No. 1, Pelican Island No. 1 and Berkley No. 1. 56pp., 7 figs, 19 pls.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Lacrosse 1 -14.297486 128.582694 Bonaparte Basin
PEDIN/File numbers: W6690001 68/2053

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
57.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	3
154.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	3
154.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	3
298.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	3
298.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	3
607.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	3
607.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	3
835.00	S6380 M	271.00	PP2.2	SNGL DEPTHP		B3	O	1
1015.00	S6385 M	275.50	PP2.1	SNGL DEPTHP		B3	O	1
1219.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	3
1219.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	3
1735.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	3
1735.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	3
1757.20	S7110 H	286.00	D.birkheadensis	PALAEO	P	A3	O	2
2207.70	S7110 L	308.50	D.birkheadensis	PALAEO	P	B3	O	2
2445.00	S7115 H	308.50	S.ybertii	PALAEO	P	B3	O	2
2739.00	S7115 L	322.00	S.ybertii	PALAEO	P	B3	O	2
2743.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	3
2743.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	3
2750.00	S7120 H	322.00	G.maculosa	PALAEO	P	A3	O	2
2763.90	S7120 L	340.00	G.maculosa	PALAEO	P	B3	O	2
2768.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	3
2768.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
3054.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3

Santos Ltd provided data for the following: 835, 1015, 1751.5, 1757*, 2208, 2450, 2739, 2750*, 2760 m. They refer to all samples as swc, but those marked * are probably from core
No reliability data is available from the Santos data, all are assumed to be fair (3).
For the assemblages examined by Foster (1986), the is no evidence of influence of salinity at the site of deposition.
Foster (1986) studied assemblages from 18 samples, 17 contained spores; samples from 5763 to 9068 ft (inclusive).
Cainozoic uncontrolled except in Curlew 1.
Good control on Crb3 to P4

1 Data from Santos Ltd, received at AGSO 25/3/94
2 Foster, C.B., 1986, A review of Early Carboniferous-Early Permian palynological assemblages from selected samples from Kulshill Nos 1 & 2,

Leseuer No. 1, Larcrosse No. 1, Pelican Island No. 1, and Berkley No. 1. 56pp., 19 pls (unpubl)
3 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Lesueur 1 -13.952617 128.125628 Bonaparte Basin
PEDIN/File numbers: W6800039 80/492

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
58.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
153.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	2
153.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	2
338.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	2
338.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	2
408.00	S6110 H	249.50	D.parvithola	PALAEO	P	D3	O	3
530.60	S6110 L	255.00	D.parvithola	PALAEO	P	B3	O	3
544.50	S6115 H	255.00	D.dulhuntyi	PALAEO	P	B3	O	3
684.00	S6115 L	257.50	D.dulhuntyi	PALAEO	P	B3	O	3
685.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	2
685.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	2
718.40	S6140 H	265.00	P.cicatricosa	PALAEO	P	B3	O	3
863.40	S6140 L	268.00	P.cicatricosa	PALAEO	P	B3	O	3
872.20	S6245 H	268.00	Stage 3b	PALAEO	P	B3	O	3
1297.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
1297.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1504.50	S6245 L	274.00	Stage 3b	PALAEO	P	B3	O	3
1507.50	S6250 H	274.00	Stage 3a	PALAEO	P	B3	O	3
1527.00	S6250 L	277.00	Stage 3a	PALAEO	P	B3	O	3
1547.00	S6402 H	277.00	G.confluens	PALAEO	P	B3	O	1
1834.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1940.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1940.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
2040.00	S7110 H	286.00	D.birkheadensis	PALAEO	P	B3	O	3
2742.00	S7110 L	308.50	D.birkheadensis	PALAEO	P	D3	O	3
2803.00	S7115 H	308.50	S.ybertii	PALAEO	P	B3	O	3
2897.50	S7115 L	322.00	S.ybertii	PALAEO	P	B3	O	3
3000.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
3000.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
3006.50	S7120 H	322.00	G.maculosa	PALAEO	P	B3	O	3
3055.50	S7120 L	340.00	G.maculosa	PALAEO	P	B3	O	3
3057.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
3057.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
3136.00	S7125 H	340.00	A.largus	PALAEO	P	B3	O	3
3495.00	S7125 L	352.00	A.largus	PALAEO	P	B3	O	3
3589.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2

Re-examination of palynological slides from 9 samples from 1547 to 1834 m.
No evidence of marineness over the interval studied by Foster (1986).
Cainozoic uncontrolled except in Curlew 1.
Only the P1 section has been dated in the well.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Lesueur 1
The 1990 study by Foster is based only on the original range charts of Helby (WCR). The strew slides need to be re-examined.
Helby recognised a D. stellata zone from 408-478.2m; as originally recognised by Helby, and Price in eastern Australia, this was the uppermost subzone of D. parvithola.
According to Price (1992 unpubl) D. stellata is now redefined to occur midway in the D. parvithola zone; to avoid confusion I have used only the broad zonal concept.
The range of G. frustulentus Zone in WCR by Helby is given as 3111-3528 m. But core samples from 3111.1 and 3111.2m are barren, as are samples from 3525-3528m. Current interp based on the range of A. largus, uppermost assemblage of G. frustulentus Mflora.
Range of G. maculosa in WCR 3006.5-3040m. On the basis of the appearance of S.ybertii, as noted by Helby, assemblage from 3055.5m is also lkely to be in this zone.
Lower S. ybertii Zone of WCR = S. ybertii of this interpretation, based on the appearance of saccate pollen. Upper S. ybertii of WCR, now called D. birkheadensis Zone, with no S. ybertii present.
1507.5-1834 m in WCR assigned to the V. pseudoreticulatus Zone, now subdivided as shown above based on re-examination of strew slides (see note 1 above).
The absence of G. trisinus from the WCR data, indicates that by default, samples from 1507.5-1527 m belong to the P. (al. Verrucosisporites) pseudoreticulatus Zone of the WCR.
WCR places the top of the lower G. trisinus Zone (= Stage 3B), the top suggested here is at 872.2 m, based on the first appearance of P. (al. Thymospora) cicatricosa in the next highest sample at 863.4m.
The D. dulhuntyi Zone (544.5-684m)is a much broader interval than recognised in the WCR; it incorporates the D. ericianus and lower D.dulhuntyi zones of the WCR. The WCR zones are informal and do not relate to later usage of Kemp et al. 1977.
D. parvithola Zone of Foster's (1990) interp. is based on the first appearance of that species. In the WCR 544.5 m is included in the zone, but the species is not in that assemblage. See note 16.
WCR shows doubtful specimens of D. parvithola at 668.1, 675.1, and 680.5m. THESE SPECIMENS NEED TO BE RE-EXAMINED TO DETERMINE THE BASE OF THE ZONE. There is no comment on the degree of contamination of the swc samples; such data are essential.

1 Foster, C.B., 1986, A review of Early Carboniferous-Early Permian palynological assemblages from selected samples from Kulshill Nos 1 & 2, Lesueur No. 1, Larcrosse No. 1, Pelican Island No. 1 and Berkley No. 1. 56pp., 7 figs, 19 pls.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.
3 Foster, C.B., 1990, Interpretation of Palynological Study of Aquitaine Lesueur No. 1 (WMC unpublished).

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Matilda 1 -14.454828 128.749747 Bonaparte Basin
PEDIN/File numbers: W6850001 85/112

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
22.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
147.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	2
147.00	QT603 H	268.00	Time Slice Permian 3	TIMESLICE	P	H2	C	2
302.00	S6245 H	268.00	Stage 3b	PALAEO	P	B1	O	1
353.80	S6245 L	274.00	Stage 3b	PALAEO	A	B2	O	1
376.50	S6245 L	274.00	Stage 3b	PALAEO	P	B3	O	1
423.50	S6250 H	274.00	Stage 3a	PALAEO	P	B1	O	1
597.50	S6250 L	277.00	Stage 3a	PALAEO	P	B1	O	1
598.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
598.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
679.50	S6402 H	277.00	G.confluens	PALAEO	P	B2	O	1
1007.00	S6402 L	286.00	G.confluens	PALAEO	P	B2	O	1
1123.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1123.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
1133.50	S7110 H	286.00	D.birkheadensis	PALAEO	A	B2	O	1
1256.50	S7110 H	286.00	D.birkheadensis	PALAEO	P	B2	O	1
1799.50	S7110 L	308.50	D.birkheadensis	PALAEO	P	B2	O	1
1846.50	S7115 H	308.50	S.ybertii	PALAEO	P	B2	O	1
1901.00	S7115 L	322.00	S.ybertii	PALAEO	P	B2	O	1
1948.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
1948.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
1973.50	S7120 H	322.00	G.maculosa	PALAEO	P	B2	O	1
2037.50	S7120 L	340.00	G.maculosa	PALAEO	P	B2	O	1
2041.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2041.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
2309.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2

35 sidewall cores from 302 to 2287.5 m processed; six barren. Deepest relaible date at 2037.5m
Cainozoic uncontrolled except in Curlew 1.
No control on rocks older than Crb 3

1 Foster, C.B., 1985, Appendix 5, Palynological Report, WMC Matilda No. 1, W A 128P, 25pp (in: Well Completion Report)
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Moyle 1 -14.319444 129.775278 Bonaparte Basin
PEDIN/File numbers: W8660003 66/4214

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
4.20	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H1	C	1
501.00	L2040 H	.	Igneous basement	FORMATION	P	H2	C	1
501.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H1	C	1
518.00	L2040 L		Igneous basement	FORMATION	P	H2	C	1

Permian section overlying presumed Proterozoic rocks.
Green tholeitic gabbro from 501 to 518 m.
Treachery Shale overlies basement.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Newby 1 -11.835278 129.101944 Bonaparte Basin
PEDIN/File numbers: W8690002 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
265.00	P1160 H	21.78	N4	PALAEO	P	D4	E	
371.00	M3200 H	92.00	D.multispinum 1aii	PALAEO	P	B4	E	
850.00	M3215 L	109.00	C.denticulata 1c/2a	PALAEO	P	B4	E	
981.00	S3165 L	144.00	C.australiensis	PALAEO	P	B4	E	
1062.00	S4100 L	150.00	R.watherooensis	PALAEO	P	B4	E	

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Ningbing 1 -15.182 128.680833 Bonaparte
PEDIN/File numbers: W6820098

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
6.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H1	C	3
479.00	S7125 H	340.00	A.largus	PALAEO	P	B2	O	1
1013.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
1013.00	QT810 H	360.00	Time Slice Devonian 10	TIMESLICE	P	H2	C	3
1042.00	S7125 L	352.00	A.largus	PALAEO	P	B2	O	1
1045.00	S7125 L	352.00	A.largus	PALAEO	A	B4	O	1
1230.00	QT809 L	367.50	Time Slice Devonian 9	TIMESLICE	P	H2	C	3
1230.00	QT808 H	367.50	Time Slice Devonian 8	TIMESLICE	P	H3	C	3
1269.00	QT808 L	370.50	Time Slice Devonian 8	TIMESLICE	P	H3	C	3

Assemblage at 1045 m (swc 1), is very poorly preserved, G. frustulentus is common, but age uncertain; Late Devonian or Early Carboniferous (Playford 1982).
18 swc samples examined by Playford (1982), from 479-1045 m, all productive.
17 belong to the A. largus Zone (see next note).
Following a study of Garimala No. 1, Wood (1989), reinterpreted the Ningbing No. 1 assemblages, assigning them to his informal units of the A. largus Zone. 1009 - 577.5 Unit B, 577.5 - ?21 Unit C.
Crb3 well constrained.
Dev10 conodont at 1022 (Nicoll, BMR Prof. Opinion 1983/002)
A. largus at 1042 from SWC of drilling mud & lmst chips?

1 Playford, G., 1982, Palynological report on sidewall cores from Ningbing No. 1 Well, Bonaparte Gulf Basin, Western Australia. 5 pp (in WCR)
2 Wood, G.R., 1989, Palynological Report No. 1988/53, Garimala No. 1, Santos Ltd. 10 pp.
3 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Pelican Island 1 -14.771944 128.774167 Bonaparte Basin
PEDIN/File numbers: W6720005 72/868

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
4.50	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H1	C	3
48.80	S7100 H	277.00	M.tentula	PALAEO	P	D3	E	2
61.00	S7100 L	286.00	M.tentula	PALAEO	P	D3	E	2
105.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	3
105.00	QT705 H	308.50	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	3
170.60	S7115 H	308.50	S.ybertii	PALAEO	P	D2	E	1
315.20	S7115 L	322.00	S.ybertii	PALAEO	P	B2	E	1
351.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	3
351.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	3
354.80	S7120 H	322.00	G.maculosa	PALAEO	A	B2	E	1
385.30	S7120 L	340.00	G.maculosa	PALAEO	P	B3	E	1
391.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	3
391.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
402.20	S7125 H	340.00	A.largus	PALAEO	P	B3	E	1
1748.60	S7125 L	352.00	A.largus	PALAEO	P	B3	O	1
1791.00	L3015 H		Evaporite(s)	FORMATION	P	H2	C	3
1791.00	QTX00 H	438.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	3
1791.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	3
1981.00	L3015 L		Evaporite(s)	FORMATION	P	H2	C	3
1981.00	QTX00 L	505.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	3

Foster (1986) re-examined assemblages from swc material in the S. ybertii and G. maculosa zones.
In the original study, Helby assigned assemblages from 160 ft and 200 ft to Zone A, later refering to it as the Potonieisporites Assemblage.
Based on Helby's record of Microbaculispora sp. from Zone A, Esso included them in their M. tentula zone; additional work is needed to confirm the Esso interpretation.
In Helby's original report palynofloras from 1320 ft to 5737 ft were assigned to Zone D, later referred to as the A. largus Assemblage. I concur with this, rather than the Esso intepretation of the G. spiculifera Assemblage.
Further work is needed to confirm Helby's data, but the occurrence of E. coronata, together with others, suggests A. largus only. C. Foster 1994
Cainozoic uncontrolled except in Curlew 1.
No control on rocks older than Crb3.
1791 to 1981 m is halite.

1 Helby, R. J., 1972, Appendix 1. Palynological Report WCR ARCO, Pelican Island No. 1, 13pp + 18pls.
2 Esso in-house interpretation of Helby's (1972) data- see remarks

2,3,4,5.
3 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Penguin 1 -13.607778 128.468333 Bonaparte Basin
PEDIN/File numbers: W6720025 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
103.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	4
378.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	4
378.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	4
684.89	M3210 M	101.75	P.ludbrookiae 1b	SNGL DEPTH	P	B4	O	1
759.56	M3215 M	106.50	C.denticulata 1c/2a	SNGL DEPTH	P	B4	O	2
762.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	4
762.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	4
786.38	M3235 M	114.00	D.davidii 2biii	SNGL DEPTH	P	B1	O	2
794.31	M3250 L	123.00	upper M.australis 2dii	MAX AGE	P	B2	O	2
794.31	M3245 H	118.50	A.cinctum 2di	MIN AGE	A	B2	O	2
795.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	4
795.00	QT410 H	144.00	Time Slice Jurassic 10	TIMESLICE	P	H2	C	4
829.06	M4135 L	150.00	C.perforans 5D	MAX AGE	A	B2	O	2
1055.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	4
1055.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	4
1060.70	S4135 H	173.00	D.complex	MIN AGE	P	B4	O	2
1100.33	S4150 L	210.00	C.torosa	MAX AGE	P	B4	O	2
1100.33	S4145 H	179.00	I.turbatus	MIN AGE	A	B4	O	2
1131.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	4
1131.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	4
1274.67	S5100 H	210.00	Falcisporites Superzone	MIN AGE	P	B5	O	3
1425.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	4
1425.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	4
1440.18	S5145 H	240.50	T.playfordii	PALAEO	P	B5	O	3
1563.62	S5145 L	244.50	T.playfordii	PALAEO	P	B2	O	3
1661.16	S5150 H	244.50	P.samoilovichii	PALAEO	P	B5	O	3
1828.80	S5150 L	247.00	P.samoilovichii	PALAEO	P	B5	O	1
2098.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	4
2098.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	4
2534.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	4
2534.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	4
2760.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	4

This report is based on re-interpretation of the reports by Poumot in the Well Completion Report and the unpublished reports of Helby (1974a, b). Some Helby samples were re-examined for this review.
Poumot (in WCR) provided discussion of 24 SWC's and 1 ditch cutting sample. Distribution data concerning selected taxa were provided on Enclosure 5.
Helby provided data concerning 12 SWC samples. Distribution charts were provided, although for this report the original data sheets were reviewed and some of the slides were re-examined.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Penguin 1
Poumot listed very limited assemblages between 1354-2038' which are interpreted, here, as ranging from Turonian to Mid Albian in age.
The sample at 2247' is considered no older than the P. ludbrookiae Zone on the basis of the occurrence of the eponymous species.
The sample at 2580' is assigned confidently to the D. davidii Zone on the basis of the occurrence of the eponymous species together with D. cerviculum, M. tetracantha and P. turneri.
The sample at 2606' is confidently assigned to the interval A. cinctum Zone to upper M. australis Zone on the basis of the occurrence of the relative eponymous species and a diverse accessory suite.
The sample at 2720' is definitely no older than the C. perforans Zone. Helby (1974a) recorded O. montgomeryi (in slide 1) indicating that it could be assigned to the O. montgomeryi Zone. Further specimens were not recorded.
The sample at 3480' is assigned to the interval of the lower D. complex Zone to the upper I. turbatus Zone (7d/9a) on the basis of the relatively common occurrence of I. turbatus.
The sample at 3610' is assigned to the interval lower I. turbatus Zone to C. torosa Zone on the basis of the abundant occurrence of C. torosa with I. turbatus.
Helby recorded questionable Aratrisporites specimens at 4182', which may indicate penetration the Falcisporites Superzone.
The samples between 4725-5130' are assigned confidently to the T. playfordii Zone on the basis of the occurrence of the eponymous species.
Reviewed by Robin Helby, September 1994.
Cainozoic uncontrolled except in Curlew 1.
No control on Permian or older sequences .

1 Poumot C., 1972, IIB. Palynoplanktology, in WCR, 35-38.
2 HELBY, R. (1974a): A palynological study of the Petrel Formation. Unpubl. Rpt to ARCO.
3 HELBY, R. (1974b): A palynological study of the Cambridge Gulf Group. Unpubl. Rpt to ARCO.
4 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Petrel 1 -12.826389 128.474194 Bonaparte Basin
PEDIN/File numbers: W8690003 69/2001

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
134.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	9
415.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	9
415.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	9
700.43	M3210 H	99.50	P.ludbrookiae 1b	PALAEO	P	B3	O	2
1280.16	M3210 L	104.00	P.ludbrookiae 1b	PALAEO	P	B1	O	3
1295.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	9
1295.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	9
1304.54	M3235 M	114.00	D.davidii 2biii	SNGL DEPTH	P	D2	O	4
1314.30	M3252 H	119.50	M.australis 2dii/iii	PALAEO	P	D4	O	3
1316.74	M3255 L	126.00	lower M.australis 2diii	PALAEO	P	D5	O	5
1318.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	9
1318.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	9
1328.93	M3260 H	126.00	M.testudinaria 2div	MIN AGE	P	D2	O	4
1341.12	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE	A	D5	O	4
1373.43	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE	P	A4	O	3
1439.27	M3327 H	143.00	P.iehiense 4ci/ii	MIN AGE	P	B4	O	3
1585.27	M4100 H	144.50	D.jurassicum 5A/B	PALAEO	P	A2	O	3
1749.55	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	P	D2	O	5
1767.84	M4120 M	147.75	O.montgomeryi 5CI-III	SNGL DEPTH	P	B2	O	3
1780.03	M4140 H	150.00	D.swanense 6A	PALAEO	P	D2	O	4
1825.75	M4140 L	154.50	D.swanense 6A	PALAEO	P	D4	O	4
1873.91	M4150 M	160.00	W.spectabilis 6CI/II	SNGL DEPTH	P	B4	O	3
1904.39	M4165 L	164.00	R.aemula 7AI	MAX AGE	P	B3	O	3
2028.44	S4120 L	167.00	M.florida	MAX AGE	P	B2	O	3
2057.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	9
2057.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	9
2125.07	S4135 L	179.00	D.complex	MAX AGE	P	B5	O	3
2229.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	9
2229.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	9
2471.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	9
2471.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	9
2819.40	S5145 M	242.50	T.playfordii	SNGL DEPTH	P	B1	O	1
2887.68	S5156 H	244.50	K.saeptatus (WA)	MIN AGE	P	A2	O	6
2987.65	S5156 H	244.50	K.saeptatus (WA)	PALAEO	P	B3	O	1
3204.06	S5156 L	248.00	K.saeptatus (WA)	PALAEO	P	A3	O	1
3466.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	9
3466.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	9
3980.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	9

The Triassic zonal data are reinterpreted from Kemp's (WCR) taxa lists.
Assignment to Dolby & Balme's (1976) T. playfordii Zone based on the record

of that species, and abundant Aratrisporites spp.
Although Aratrisporites is recorded in the samples at 9802 ft and 10192 ft, they are not common. Moreover, T. playfordii is not present; using these criteria the assemblages are assigned to the K. saeptatus Zone.
This review is based on re-interpretation of data provided in reports by Kemp (1969), Poumot (1969), Lister (1970), Helby (1974a, b) and Morgan (1991a. b). Some Helby samples were re-examined.
Kemp (1969) reported data from 28 SWC and 6 samples from 3 conventional cores. Range charts were not provided although selected taxa from each sample were listed and discussed.
Kemp's interpretations reflect the restricted zonal information available at that time and are generally of limited use.
Poumot (1969) reported on examination of numerous ditch cuttings samples and samples from each of the conventional cores. Limited range data and some discussion were presented.
Poumot's interpretations reflect the restricted zonal data available at that time and are generally of limited use.
Helby (1974a) recorded range data from 20 SWC samples and 15 samples from 4 conventional cores between 3316-6972'. Some of these samples were re-examined during this review,
Helby (1974b) recorded Triassic data from 10 samples. Helby's data were expressed in terms of the prototype version, subsequently developed and published as the Helby et al. (1987) zonation.
Morgan (1991a, b) provided quantitative range data from 17 ditch cuttings samples between 4280-6320' and 27 ditch cuttings samples between 2228-3502m, respectively.
McMinn (1986) studied numerous SWC and conventional core samples from the Wangarlu Formation. These data were not available at the time of completion of this review,
Samples above 2930' are considered no older than early Albian on the basis of the occurrence of Hoegisporis spp., which HMP (1987 fig. 33) indicate as ranging from the mid C. paradoxa Zone.
Samples between 2998-4200' are assigned confidently to the late Albian on the basis of the consistent occurrence D. tuberculatum and P. ludbrookiae in assemblages with prominent Diconodinium.
Morgan (1991a) recorded a reasonable D. davidii association (2biii) in cuttings at 4280'.
The lower part of the Darwin Formation is represented by mid to late Neocomian samples between 4312-4360' (samples from Helby, Lister and Morgan). Morgan recorded P. mirabila at 4400' suggesting by implication that the F. cylindrica Superzone had been intersected and that the base of the Darwin Fm would be above that depth.
Petrel Group assemblages above 5000' are not well characterised. Environment of deposition is shallow marine with spores-pollen dominant. Samples are considered no older than P. iehiense Zone.
A relatively continuous sequence from upper D. jurassicum (5ai) Zone to D. swanense (6a) Zone is reported between 5201-5890'
Samples at 6148' and 6177' are assigned to the W. spectabilis (6cii+) Zone on the basis of the occurrence of S. crystallinum with M.P. 618 (triangular).
The sample at 6248' is considered no older than the R. aemula (7a) Zone on the basis of the occurrence of R. aemula, w. digitata and the apparent absence of S. crystallinum.
Samples from 9474' are assigned to the K. saeptatus Zone on the basis of the prominent occurrence of the eponymous species and the apparent absence of T.

playfordii. Aratrisporites still present.
The occurrence of M. florida in the SWC at 6655' indicates that the sample is no older than W. digitata (7bi) equivalent. Samples from the lower Petrel Group are not well characterised or are barren.
See Petrel 1A for additional data - Petrel 1 was a gas blow out & Petrel 1A spudded 1893' away & drilled vertically to 6900' before deviating to ~ base of Petrel 1, & had final TD of 13418' i.e. all of Petrel 1A (Morgan) Data is in highly deviated hole
Reviewed by Robin Helby, November 1994.
Cainozoic uncontrolled except in Curlew 1.
Data by correlation to Petrel 1.
No control on Permian or older sequences .
Correlations to Penguin 1 and Flat Top 1.

1 Kemp, E.M., 1969, Palynology of Arco Petrel No. 1 Well. Appendix 1 (B) in WCR, 56-68.
2 Kemp E.M., 1969, Palynology of ARCO Petrel No. 1 Well, Appendix 1 in WCR.
3 Helby R., 1974a, A palynological study of the Petrel Formation. Unpubl. Rpt to ARCO Australia.
4 Morgan R., 1991a, New palynology on BMR cutts for Petrel-1. BMR C&CL R827.
5 Lister T.R., 1970, Palynology of ARCO Petrel No. 1 Well - Summary Report. Burmah Oil Palyn Rpt 1.
6 Helby R., 1974b, A palynological study of the Cambridge Gulf Group. Unpubl. Rpt to ARCO Australia.
7 Poumot C., 1969, Appendix 1A in CRP Laboratory studies, WCR.
8 McMinn A., Dinoflagellate palynostratigraphy of the Late Cretaceous or northwestern Australia. Unpubl. Ph.D. thesis Macquarie Univ.
9 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Petrel 1A -12.831111 128.472222 Bonaparte Basin
PEDIN/File numbers: W8700028 69/2001

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
2325.62	S5100 H	210.00	Falcisporites Superzone	MIN AGE	P	D5	O	1
2374.39	S5125 H	225.00	upper S.speciosus (NWS)	MIN AGE	P	D2	O	1
2779.78	S5146 H	242.00	lower T.playfordii	MIN AGE	P	D4	O	1
3324.76	S5160 H	248.00	P.microcorpus	MIN AGE	P	D4	O	1

Morgan (1991b) recorded the highest Triassic at 2326m - rare F. australis. He also recorded a good Carnian assemblage at 2374m.
Morgan (1991b) recorded abundant A. tenuispinosus in cuttings at 2780m, suggesting that the T. playfordii Zone had been intersected. T. playfordii was recorded in the SWC sample at 9250'
The proportion of acritarchs in the assemblages increases markedly downhole from 2987m.
Falcisporites australis (10%), P. microcorpus and A. bulliensis (15%) in ditch cuttings at 3325m suggest that the P. microcorpus Zone has been intersected.
See Petrel 1 for additional data - Petrel 1 was a gas blow out & Petrel 1A spudded 1893' away & drilled vertically to 6900' before deviating to ~ base of Petrel 1, & had final TD of 13418' i.e. all of Petrel 1A (Morgan) data is in highly deviated hole.
Reviewed by Robin Helby, November 1994.

1 Morgan R., 1991b, New palynological data from Petrel-1A. BMR C&CL Rpt R860.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Petrel 2 -12.853889 128.513889 Bonaparte Basin
PEDIN/File numbers: W8710005 70/972

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
132.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
414.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	1
414.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	1
1280.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	1
1280.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	1
1295.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	1
1295.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	1
1925.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	1
1925.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	1
2159.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	1
2159.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	1
2465.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	1
2465.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
2787.00	S5145 H	240.50	T.playfordii	PALAEO	P	B2	E	
2794.00	S5145 H	240.50	T.playfordii	PALAEO	A	B1	E	
2794.00	S6135 L	265.00	P.sinuosus	PALAEO	P	B4	E	
3402.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
3402.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
4029.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	1
4029.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	1
4725.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
Data by correlation to Petrel 1.
No control on Permian or older sequences .
Correlations to Penguin 1 and Flat Top 1.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

S T R A T D A T Database

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Petrel 4 -12.888442 128.494753 Bonaparte Basin
PEDIN/File numbers: W8880007 87/1155

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
120.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
275.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	1
275.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	1
1258.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	1
1258.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	1
1280.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	1
1280.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	1
1925.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	1
1925.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	1
2168.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	1
2168.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	1
2472.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	1
2472.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
3466.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
3466.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
3975.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
Data by correlation to Petrel 1.
No control on Permian or older sequences .
Correlations to Penguin 1 and Flat Top 1.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Sandpiper 1 -13.314722 127.976389 Bonaparte Basin
PEDIN/File numbers: W6710024 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
98.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	3
143.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	3
143.00	QT307 H	99.00	Time Slice Cretaceous 7	TIMESLICE	P	H2	C	3
249.94	M3210 H	99.50	P.ludbrookiae 1b	PALAEO	A	B5	O	1
365.76	M3210 H	99.50	P.ludbrookiae 1b	PALAEO	P	B3	O	1
457.20	M3210 L	104.00	P.ludbrookiae 1b	PALAEO	P	B1	O	2
480.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	3
480.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	3
480.06	M3235 H	113.00	D.davidii 2biii	PALAEO	P	B1	O	2
498.65	M3235 L	115.00	D.davidii 2biii	PALAEO	P	B5	O	2
504.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	3
504.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	3
509.63	M3327 H	143.00	P.iehiense 4ci/ii	MIN AGE	P	B4	O	2
512.06	M4100 H	144.50	D.jurassicum 5A/B	PALAEO	P	B2	O	2
627.89	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	P	B2	O	2
658.37	M4120 H	147.00	O.montgomeryi 5CI-III	MIN AGE	P	B2	O	2
685.80	M4135 H	148.50	C.perforans 5D	PALAEO	P	B1	O	2
727.25	M4135 L	150.00	C.perforans 5D	PALAEO	P	B4	O	2
762.00	M4150 M	160.00	W.spectabilis 6CI/II	SNGL DEPTH	P	B1	O	2
785.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	3
785.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	3
912.57	S4145 L	193.50	I.turbatus	MAX AGE	P	B4	O	2
914.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	3
914.00	QT500 H	213.00	Time Slice Triassic undiff.	TIMESLICE	P	H2	C	3
944.00	QT500 L	248.00	Time Slice Triassic undiff.	TIMESLICE	P	H2	C	3
944.00	QT700 H	286.00	Time Slice Carboniferous un	TIMESLICE	P	H2	C	3
1753.00	L3015 H		Evaporite(s)	FORMATION	P	H2	C	3
1753.00	QT700 L	360.00	Time Slice Carboniferous un	TIMESLICE	P	H2	C	3
1753.00	QTX00 H	438.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	3
1892.00	L3015 L		Evaporite(s)	FORMATION	P	H2	C	3
1892.00	QTX00 L	505.00	Time Slice Ordovician undif	TIMESLICE	P	H2	C	3

This review is based on reinterpretation of data provided in reports by Poumot (1971) and Helby (1974a).
Poumot recorded data from 15 SWC samples between 820-2994'. A range chart illustrating non-quantitative ranges of selected taxa and limited discussion were provided.
Helby (1974a) recorded data from 21 SWC samples. A non-quantitative range chart was provided. The sequence was interpreted in terms of a prototype version of the HMP zonation.
Selected samples from the Helby collection have been re-examined during this

review.
The preferred Albian top is placed at the occurrence of Dinopterygium tuberculatum. It is not possible to determine which Diconodinium species Poumot included within D. multispinum.
Helby recorded the D. davidii Zone (high confidence pick) at 1575'.
Diconodinium spp. were recorded in the sample at 1636' but these are interpreted as contamination. No zone assignment.
The occurrence of Rhynch. serrata at 1672' suggests that the sample is no younger than the P. iehiense Zone (4cii+).
The prominent occurrence of Nummus similis at 1680' indicates that the upper D jurassicum Zone (5a) had been intersected.
The lower D. jurassicum Zone (5b), the Omatia montgomeryi Zone (5c) and the C. perforans Zone (5d) are identified confidently between 2060-2386'.
The W. spectabilis Zone is confidently identified at 2500', on the basis of the occurrence of S. crystallinum and W. indotata.
The sample at 2994' is considered no older than the lower I. turbatus Zone on the basis of relatively prominent occurrence of the nominate species with abundant Dictyophyllidites spp.
Poumot recorded Carboniferous to Devonian assemblages at deeper levels in Sandpiper-1.
Reviewed by Robin Helby November 1994.
Cainozoic uncontrolled except in Curlew 1.
No control on pre-Jurassic sequence.
Halite from 1753 to 1892 m.

1 Poumot C., 1971, in WCR.
2 Helby R., 1974a. A palynological study of the Petrel Formation. Unpubl. Rpt to ARCO Australia.
3 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Skull 1 -15.285053 128.954686 Bonaparte Basin
PEDIN/File numbers: W6840081 OS 206

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
3.50	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H1	C	2
225.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
225.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
350.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
350.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
408.00	S7125 H	340.00	A.largus	PALAEO	P	B4	O	1
1721.00	S7125 L	352.00	A.largus	PALAEO	P	B3	O	1
1765.00	S7130 H	340.00	G.frustulentus Microflora	PALAEO	P	B4	O	1
1782.00	S7130 L	360.00	G.frustulentus Microflora	PALAEO	P	B4	O	1
2001.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2

Assemblages from 1782 -1765 m carbonized and poorly preserved, tetrads of eponymous species allows this zonal identification. Data from Playford (1984) - see references
Crb1 to Crb3 well constrained.

1 Playford, G., 1984, Palynological report on sidewall cores from Skull No.1 well, Bonaparte Gulf Basin, Western Australia. 7pp. 1 table.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Tern 1 -13.220833 128.064722 Bonaparte Basin
PEDIN/File numbers: W6710022 N/A

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
104.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	6
277.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	6
277.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	6
402.34	M3200 H	92.00	D.multispinum 1aii	MIN AGE	P	B5	O	1
466.95	M3205 H	97.50	X.asperatus 1aiii	MIN AGE	P	B5	O	1
1002.18	M3215 L	109.00	C.denticulata 1c/2a	MAX AGE	P	B5	O	1
1088.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	6
1088.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	6
1103.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	6
1103.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	6
1132.94	M3290 H	137.00	E.torynum 4ai/ii	MIN AGE	P	B3	O	2
1219.51	M4100 H	144.50	D.jurassicum 5A/B	PALAEO	P	A2	O	2
1244.19	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	P	B2	O	2
1267.97	M4100 L	147.00	D.jurassicum 5A/B	PALAEO	A	D4	O	3
1292.35	M4120 H	147.00	O.montgomeryi 5CI-III	PALAEO	P	D2	O	2
1297.84	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO	P	D2	O	3
1310.95	M4140 L	154.50	D.swanense 6A	MAX AGE	P	D4	O	3
1310.95	M4120 L	148.50	O.montgomeryi 5CI-III	PALAEO	A	D2	O	3
1320.09	M4135 H	148.50	C.perforans 5D	MIN AGE	P	D4	O	3
1327.10	M4140 H	150.00	D.swanense 6A	PALAEO	P	B2	O	2
1341.12	M4140 L	154.50	D.swanense 6A	PALAEO	P	D2	O	2
1432.56	M4150 H	158.00	W.spectabilis 6CI/II	MIN AGE	P	B4	O	2
1528.27	M4175 M	166.50	lower W.digitata 7BI	SNGL DEPTH	P	B1	O	2
1620.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	6
1620.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	6
1668.17	S4145 H	179.00	I.turbatus	MIN AGE	P	B4	O	2
1735.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	6
1735.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	6
1762.35	S5145 H	240.50	T.playfordii	PALAEO	P	B4	O	4
1981.81	S5145 L	244.50	T.playfordii	PALAEO	P	D2	O	4
2021.00	S5145 L	244.50	T.playfordii	PALAEO	A	D4	O	5
2036.00	S5156 H	244.50	K.saeptatus (WA)	PALAEO	P	D4	O	5
2341.00	S5156 L	248.00	K.saeptatus (WA)	PALAEO	A	D4	O	5
2481.07	S5156 L	248.00	K.saeptatus (WA)	PALAEO	P	D5	O	1
2521.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	6
2521.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	6
2993.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	6
2993.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	6
4057.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H3	C	6
4057.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H3	C	6
4352.00	QT706 L	308.50	Time Slice Carboniferous 6	TIMESLICE	P	H3	C	6

This review is based on reports by C. Poumot (1971), R. Helby (1974a, b) and R. Morgan (1991a, b). Selected Helby samples have been re-examined.
The Poumot report is included as part of Appendix 1 in the well completion report. Poumot presented data from 36 samples, including 23 SWC, 3 conventional core and 10 ditch cuttings samples.
Poumot presented range data for the samples but were coded and thus the data are of limited use. The preparations were generally very poor and the assemblage lists are consequently limited.
Helby (1974a, b) examined 18 samples, including 13 SWC, 2 conventional core samples (CC2) and 3 ditch cuttings samples. The SWC samples were reprocessed from residues provided by Aquitaine.
The Helby data were presented as non-quantitative range charts. These data were interpreted in terms of a prototype version of the Helby et al. (1987) zonation.
The Morgan reports (1991a, b) deal with 11 and 16 ditch cuttings samples, respectively. The data are presented as quantitative range charts and are interpreted in terms of the HMP zonation.
Poumot's data are difficult to interpret. However, the occurrence of Hoegisporis between 1532-3288' suggests that the samples are no older than upper C. denticulata (1c-) Zone equivalent.
The boundary of the Darwin Fm and the Petrel Group is not well defined by the palynology. The sample at 3688' is equivocal (3c/4a).
The occurrence of Eg. torynum and Fr. cylindrica at 3717' indicate that the Petrel Group has been intersected - high confidence pick.
The D. jurassicum (5a/b), O. montgomeryi (5c), C. perforans (5d) and possibly the D. swanense (6a) Zones are represented in the interval 4001-4331'.
The sample at 4353 is no younger than the W. clathrata Zone 6b). The listed assemblage suggests some contamination.
The sample at 5014' contains a relatively diverse and particularly distinct dinocyst suite, providing a high confidence assignment.
The sample at 5473' is considered no younger than the lower C. turbatus Zone (9B) on the basis of the occurrence of C. turbatus in roughly equal proportions with Araucariacites fissus (s.l.).
The sample at 5782' is correlated with the lower part of the T. playfordii Zone on the basis of the prominent occurrence of Aratrisporites spp., Densoisporites spp. and Lundbladispora spp.
Morgan (1991b) reported Samaropollenites speciosus at 2006m, suggesting that Mid to Late Triassic zones were represented at higher levels.
Reviewed by Robin Helby, August 1994
Cainozoic uncontrolled except in Curlew 1.
No control on Permian or older sequences .
Correlations to Penguin 1 and Flat Top 1.

1 Poumot C., 1971, in WCR Appendix 1, Lithostratigraphic and Palaeontological Reports, 44-46.
2 Helby R., 1974a. A palynological study of the Petrel Formation. Unpubl. Rpt to ARCO Australia.
3 Morgan R., 1991a. New palynology on BMR cutts for Tern-1. Unpubl. Rpt.
4 Helby R., 1974b. A palynological study of the Cambridge Gulf Group. Unpubl. Rpt. to ARCO Australia.
5 Morgan R., 1991b. New palynology data from Tern-1. Unpubl. Rpt.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Tern 1
6 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Tern 2 -13.278603 128.132789 Bonaparte Basin
PEDIN/File numbers: W6810007 81/1245

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
93.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
319.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	1
319.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	1
1067.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	1
1067.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	1
1078.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	1
1078.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	1
1557.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	1
1557.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	1
1638.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	1
1638.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	1
1752.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	1
1752.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
2546.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
2546.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
2621.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	1
2621.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	1
3140.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
No control on Permian or older sequences .
Correlations to Penguin 1, Flat Top 1 and Tern 1.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Tern 3 -13.3356 128.104117 Bonaparte Basin
PEDIN/File numbers: W6820009 82/1271

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
93.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	1
270.00	QT104 L	29.20	Time Slice Cainozoic 4	TIMESLICE	P	H2	C	1
270.00	QT308 H	91.00	Time Slice Cretaceous 8	TIMESLICE	P	H2	C	1
958.00	QT305 L	114.00	Time Slice Cretaceous 5	TIMESLICE	P	H2	C	1
958.00	QT304 H	114.00	Time Slice Cretaceous 4	TIMESLICE	P	H2	C	1
968.00	QT303 L	125.00	Time Slice Cretaceous 3	TIMESLICE	P	H2	C	1
968.00	QT302 H	125.00	Time Slice Cretaceous 2	TIMESLICE	P	H2	C	1
1393.00	QT406 L	177.00	Time Slice Jurassic 6	TIMESLICE	P	H2	C	1
1393.00	QT405 H	177.00	Time Slice Jurassic 5	TIMESLICE	P	H2	C	1
1468.00	QT401 L	213.00	Time Slice Jurassic 1	TIMESLICE	P	H2	C	1
1468.00	QT506 H	213.00	Time Slice Triassic 6	TIMESLICE	P	H2	C	1
1645.00	QT503 L	239.00	Time Slice Triassic 3	TIMESLICE	P	H2	C	1
1645.00	QT502 H	239.00	Time Slice Triassic 2	TIMESLICE	P	H2	C	1
2448.00	QT501 L	248.00	Time Slice Triassic 1	TIMESLICE	P	H2	C	1
2448.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	1
2683.00	QT606 L	255.00	Time Slice Permian 6	TIMESLICE	P	H2	C	1

Cainozoic uncontrolled except in Curlew 1.
No control on Permian or older sequences .
Correlations to Penguin 1, Flat Top 1 and Tern 1.

1 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Turtle 1 -14.476608 128.944842 Bonaparte Basin
PEDIN/File numbers: W6840001 83/1309

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
313.70	S6400 H	249.50	upper Stage 5	PALAEO	P	B2	O	1
583.50	S6400 L	255.00	upper Stage 5	PALAEO	A	B3	O	1
610.00	S6400 L	255.00	upper Stage 5	PALAEO	P	B4	O	1
644.20	S6245 H	268.00	Stage 3b	PALAEO	P	B3	O	1
877.00	S6245 L	274.00	Stage 3b	PALAEO	A	B3	O	1
910.70	S6245 L	274.00	Stage 3b	PALAEO	P	B3	O	1
935.00	S6250 H	274.00	Stage 3a	PALAEO	P	B3	O	1
942.00	S6250 H	274.00	Stage 3a	PALAEO	A	B3	O	1
1212.00	S6250 L	277.00	Stage 3a	PALAEO	P	B3	O	1
1333.60	S6402 H	277.00	G.confluens	PALAEO	P	A3	O	1
1608.00	S6402 L	286.00	G.confluens	PALAEO	P	B3	O	1
1653.10	S7110 H	286.00	D.birkheadensis	PALAEO	P	A3	O	1
1892.00	S7110 L	308.50	D.birkheadensis	PALAEO	P	B2	O	1
2230.50	S7115 H	308.50	S.ybertii	PALAEO	P	B2	O	1
2250.50	S7115 L	322.00	S.ybertii	PALAEO	P	B3	O	1
2342.00	S7120 H	322.00	G.maculosa	PALAEO	P	B3	O	1
2387.00	S7120 L	340.00	G.maculosa	PALAEO	P	B3	O	1
2479.24	S7125 H	340.00	A.largus	PALAEO	P	A3	O	1
2672.00	S7125 L	352.00	A.largus	PALAEO	P	B3	O	1

73 samples from 67 swc and 6 cores, form 313.7 to 2695 m examined for palynomorphs. 13 samples barren
The G. confluens Zone, subsequently of Foster & Waterhouse (1988), was first used in this well.
The D. birkheadensis Zone is that of Powis (1983, and unpublished MS)
Spinose acritarchs as indicators of salinity, occur at the following levels: 313.7, 332.5, 345, 567, 610, 628.5, 644.2, 735-935, 2230.5-2250.5, 2479.4 m

1 Foster, C.B., 1984, Appendix 5, Palynological Report, WMC Turtle No. 1, W A 128P, Bonaparte Basin (in Well Completion Report)- upgraded in 1986. See Foster (1986).

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Turtle 2 -14.505892 128.945819 Bonaparte Basin
PEDIN/File numbers: W6890006 88/818

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
58.00	QT107 H	0.00	Time Slice Cainozoic 7	TIMESLICE	P	H1	C	2
264.00	QT105 L	11.90	Time Slice Cainozoic 5	TIMESLICE	P	H2	C	2
264.00	QT607 H	246.00	Time Slice Permian 7	TIMESLICE	P	H2	C	2
592.00	QT605 L	261.00	Time Slice Permian 5	TIMESLICE	P	H2	C	2
592.00	QT604 H	261.00	Time Slice Permian 4	TIMESLICE	P	H2	C	2
912.00	S6245 H	268.00	Stage 3b	PALAEO	P	B3	O	1
927.60	S6245 L	274.00	Stage 3b	PALAEO	P	A1	O	1
932.74	S6250 H	274.00	Stage 3a	PALAEO	P	A3	O	1
936.50	S6250 L	277.00	Stage 3a	PALAEO	P	A3	O	1
1250.00	QT602 L	277.00	Time Slice Permian 2	TIMESLICE	P	H2	C	2
1250.00	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1255.00	S6402 H	277.00	G.confluens	PALAEO	P	B3	O	1
1652.00	S6402 L	286.00	G.confluens	PALAEO	P	B5	O	1
1715.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
1715.00	QT706 H	286.00	Time Slice Carboniferous 6	TIMESLICE	P	H2	C	2
1719.00	S7110 H	286.00	D.birkheadensis	PALAEO	P	B3	O	1
1918.50	S7110 L	308.50	D.birkheadensis	PALAEO	P	B3	O	1
2227.00	S7110 L	308.50	D.birkheadensis	PALAEO	A	B4	O	1
2287.00	S7115 H	308.50	S.ybertii	PALAEO	A	B5	O	1
2292.00	S7115 H	308.50	S.ybertii	PALAEO	P	B3	O	1
2312.00	S7115 L	322.00	S.ybertii	PALAEO	P	B1	O	1
2351.00	QT705 L	322.00	Time Slice Carboniferous 5	TIMESLICE	P	H2	C	2
2351.00	QT704 H	322.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2381.50	S7120 H	322.00	G.maculosa	PALAEO	P	B3	O	1
2433.00	S7120 L	340.00	G.maculosa	PALAEO	P	B4	O	1
2452.00	QT704 L	340.00	Time Slice Carboniferous 4	TIMESLICE	P	H2	C	2
2452.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
2523.00	S7130 H	340.00	G.frustulentus Microflora	PALAEO	P	B6	O	1
2586.00	S7130 L	360.00	G.frustulentus Microflora	PALAEO	P	B6	O	1
2657.00	S7125 H	340.00	A.largus	PALAEO	P	B3	O	1
2728.00	S7125 L	352.00	A.largus	PALAEO	P	B3	O	1
2760.00	QT703 L	350.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2

51 samples from cores and swc, from 912 to 2741m inclusive examined. 16 samples barren, deepest productive at 2728 m.
Two swc samples from 2523 and 2586 m are very tentatively assigned to this zone. Sample reliability is low with evidence of fracture and contamination.
Cainozoic uncontrolled except in Curlew 1.
Control mostly by correlation to Turtle 1

1 Foster, C.B., 1989, Palynological report - WMC Turtle #2, WA 128P,

Bonaparte Basin. 14pp.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

Selection: latit between -16 and -11.5 and longit between 127 and 130.5
Ordering : WELL Depth,Pick

Weaber 2A -15.347639 129.108222 Bonaparte Basin
PEDIN/File numbers: W8880016 OS 328

Depth (m)	Datum	Harland Age MA	Zone or Formation	Pick type	Pref /Alt	----codes---- Conf	Sec	Ref
5.70	QT601 H	277.00	Time Slice Permian 1	TIMESLICE	P	H1	C	2
277.00	QT601 L	286.00	Time Slice Permian 1	TIMESLICE	P	H2	C	2
277.00	QT703 H	340.00	Time Slice Carboniferous 3	TIMESLICE	P	H2	C	2
554.00	S7125 H	340.00	A.largus	PALAEO	P	B2	O	1
1221.00	S7125 L	352.00	A.largus	PALAEO	P	B3	O	1
1300.00	S7125 L	352.00	A.largus	PALAEO	A	B3	O	1
1373.00	QT702 L	352.00	Time Slice Carboniferous 2	TIMESLICE	P	H2	C	2
1373.00	QT701 H	352.00	Time Slice Carboniferous 1	TIMESLICE	P	H2	C	2
1440.00	S7130 M	350.00	G.frustulentus Microflora	SNGL DEPTH	P	B4	O	1
1657.00	QT701 L	360.00	Time Slice Carboniferous 1	TIMESLICE	P	H2	C	2

Ten swc examined by Wood. 1375 m and 1623 m (deepest sample) BARREN.
As in Garimala 1, Wood applies a four fold division of A. largus. In this well: 554-1017 m Unit C, ?1221-1017 m Unit B.
Sample at 1440 (swc 10) vey low yeild, very low diversity with G. frustulentus, assigned to this broad Microflora- no further subdivision possible.
Cainozoic uncontrolled except in Curlew 1.
Crb1 to Crb3 well constrained.

1 Wood, G.R., 1988, Palynological Report No. 1988/43, Weaber No. 2A, Santos Ltd, 9 pp.
2 McConachie, B., et al (1995) AGSO Record No. 1995/7.

APPENDIX: 4

ORGCHEM AND RESFACS DATABASE BY TIMESLICE

Cz1-7

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 3	Mean					17.85				
Gull 1	Mean			0.3						
Penguin 1	Mean						22	18	27	
Petrel 2	Mean			0.2						

K5-K11

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Curlew 1	Mean	419	45	0.5	0.6					
Flat Top 1	Mean	434	80	0.5	0.4					
Gull 1	Mean	429	36	1.5	0.4	23.5				
Penguin 1	Mean			1	0.3					
Petrel 1	Mean					19.07				
Petrel 2	Mean	420	34	0.7	0.5					
Petrel 4	Mean									
Tern 1	Mean					8.5				0.1
Tern 2	Mean			0.1						

K3-K4

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Bougainville 1	Mean	422	71	0.8	0.3					
Curlew 1	Mean	436	99	1.2						
Flat Top 1	Mean	428	72	8.1	0.4			20	30	
Gull 1	Mean	429	67	2.2						
Penguin 1	Mean	429	25	0.8	0.3					
Petrel 1	Mean						9	27		
Petrel 2	Mean	424	32	0.7	0.5					
Petrel 4	Mean									
Sandpiper 1	Mean							15	30	
Tern 1	Mean						20			

J6-K2

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 1	Mean									
Barnett 3	Mean					14.36				
Curlew 1	Mean	439	56	0.8	0.7					
Flat Top 1	Mean	429	88	7.4	0.3			22.5	30	
Frigate 1	Mean					22.97				
Gull 1	Mean	431	120	1	0.6	11.1				44.2
Kulshill 2	Mean				0.5					
Penguin 1	Mean	427	29	0.6	0.3		29.5	17.5	35.5	
Petrel 1	Mean			1.5		16.75	9.5	25.5		208.7
Petrel 2	Mean	422	45	1.2	0.5					
Petrel 4	Mean									
Sandpiper 1	Mean							15	30	
Tern 1	Mean	426	104	1.3	0.4	13.1	20			8

J1-J5

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 3	Mean					24.16				
Bougainville 1	Mean	412	57	1	0.4					
Flat Top 1	Mean	434	181	12.9	0.4			25	30	450
Frigate 1	Mean					22.4				
Gull 1	Mean	438	52	1.3	0.7	8.86				21.7
Kulshill 2	Mean				0.4					
Penguin 1	Mean	421	524	6.7	0.4		29.5	17.5	35.5	
Petrel 1	Mean						6.5	22		
Petrel 2	Mean	425	65	1.7	0.6					
Petrel 4	Mean									
Tern 1	Mean	433	62	2.2	0.5		20			

Tr3-6

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 3	Mean					14.63				
Bougainville 1	Mean	369	56	0.3	0.3					
Curlew 1	Mean	434	46	0.6						
Flat Top 1	Mean	296	25	0.3	0.5			24.5	29	
Gull 1	Mean			0.1	0.8	5.66				0.3
Kulshill 2	Mean				0.4					
Penguin 1	Mean	424	321	4.7	0.4		26.83	16.83	35.17	
Petrel 1	Mean			0.8		5.18	4.67	17		0.1
Petrel 2	Mean	405	61	0.6	0.6	18.08				671.4
Petrel 4	Mean									
Tern 1	Mean						20			

Tr1-2

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 3	Mean					17.17				
Bougainville 1	Mean	427	107	0.5	0.4					
Curlew 1	Mean	433	24	0.5						
Flat Top 1	Mean	364	29	0.2	0.5			24	28	
Kinmore 1	Mean	433	62	0.2	0.4		31			
Kulshill 2	Mean									
Lacrosse 1	Mean				0.3					
Lesueur 1	Mean									0.1
Penguin 1	Mean	429	138	0.6	0.5		18.5	11	27	
Petrel 1	Mean			0.3		4.98	6.5	15.5		1.7
Petrel 2	Mean	435	80	0.4	0.8	14.18				131.8
Petrel 4	Mean									0.4
Tern 1	Mean	430	43	0.4	0.6		20			
Tern 2	Mean		78	0.4	0.6					
Tern 3	Mean	437	126	0.5						

P5-7

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 3	Mean					20.82				
Bougainville 1	Mean	424	40	2	0.5					
Cambridge 1	Mean	431	50	1.9	0.5					
Curlew 1	Mean	409	22	0.6						
Flat Top 1	Mean	432	39	0.6	0.7			23	29	
Kinmore 1	Mean	414	27	1.4	0.4		26.5			
Kulshill 2	Mean									
Lacrosse 1	Mean				0.4					
Lesueur 1	Mean									
Penguin 1	Mean	432	27	1.6			13.22	6.67	22.89	
Petrel 1	Mean			0.5		10.1				0.3
Petrel 2	Mean	439	48	0.9	1	5.25				1.1
Petrel 4	Mean					10.85	19.7			63.1
Tern 1	Mean	440	47	0.7	1.1		12			
Tern 2	Mean			0.7		18.79				8.1
Tern 3	Mean	423	45	0.4		15.93	14.61			14.4
Turtle 1	Mean									
Turtle 2	Mean									

P2-4

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 1	Mean	429	199	1.5	0.4	26.02		25	27.5	839.8
Barnett 2	Mean	432	41	2.9	0.3					
Barnett 3	Mean					18.83				
Berkley 1	Mean	432	104	1.3						
Bougainville 1	Mean	419	65	1.1	0.5					
Cambridge 1	Mean	404	129	1.4	0.5			22	28.5	
Flat Top 1	Mean	434	125	12.6	0.7		15	22	30	160

Kinmore 1	Mean	435	64	6.4	0.5		20.5			
Kulshill 1	Mean	352	20	3.1	0.5	29.39				601.8
Kulshill 2	Mean									
Lacrosse 1	Mean				0.6					
Lesueur 1	Mean									
Matilda 1	Mean	433	68	1.5				29.5	33	
Penguin 1	Mean	433	35	1.1		18.58	20.22	12.11	29.56	2.7
Petrel 2	Mean	435	35	1.4	1	7.74				1.5
Tern 1	Mean	445	37	1.3	1.5	8.64	6.67			0.8
Tern 2	Mean	447	26	1.6	0.8	16.53				3.1
Turtle 1	Mean					25.87				914.9
Turtle 2	Mean				0.4	27.07				847.9

P1

	top	GCHEM				POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 1	Mean	404	94	0.6	0.5	19.17	22	25	28	408.8
Barnett 2	Mean	430	140	0.4	0.3					
Barnett 3	Mean					10.82				
Berkley 1	Mean	431	78	0.7						
Bougainville 1	Mean	428	79	2.2	0.6	15.17				55.9
Cambridge 1	Mean	425	90	0.7	0.5			27.25	32.75	
Flat Top 1	Mean	444	104	4.6	0.7		15			
Keep River 1	Mean	373	5	0.9	0.9	10.46				41.9
Kinmore 1	Mean	436	125	6	0.6		13.5			
Kulshill 1	Mean	403	36	1.3	0.5	19.08				171
Kulshill 2	Mean									
Lacrosse 1	Mean	429	132	0.8	0.5					
Lesueur 1	Mean									
Matilda 1	Mean	436	95	0.9				22.38	29	
Moyle 1	Mean					17.75				39.2
Tern 1	Mean									
Turtle 1	Mean					15.66				278.9
Turtle 2	Mean				0.4	16.17	19.33			38.1

Weaber 2A Mean

Crb5-6

	top				GCHEM	POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 1	Mean	421	161	0.4	0.6	15.84	21	16.17	18.67	26.1
Barnett 2	Mean	427	370	12.9	0.6					
Barnett 3	Mean					16.29				
Berkley 1	Mean									
Bonaparte 1	Mean					26	22	15	30	1200
Cambridge 1	Mean	429	110	0.9	0.7			19.88	22.5	
Kinmore 1	Mean						6.5			
Kulshill 1	Mean	418	48	2.1	0.7	11.39				53.5
Kulshill 2	Mean					11.03				1.8
Lacrosse	Mean	431	50	0.9	0.6	16.29				128.5
Lesueur 1	Mean			0.3		7.54				
Matilda 1	Mean	430	69	0.5				14.42	18.5	
Pelican	Mean						27	24	30	
Sandpiper 1	Mean							15	20	
Tern 1	Mean					2.32				0.1
Turtle 1	Mean					18.63				653
Turtle 2	Mean						11			
Weaber 2A	Mean									

Crb4

	top				GCHEM	POROS				
	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Barnett 2	Mean	439	133	0.3			15	13.5	16.5	
Bonaparte 1	Mean	421	149	0.5	0.5					
Cambridge 1	Mean						13	9	17.5	
Keep River 1	Mean	421	64	0.4	0.6			5.17	10.5	
Kinmore 1	Mean	348	11	0.8	1.8	2.24				0.1
Kulshill 1	Mean									
Kulshill 2	Mean	398	30	0.6	1	3.76				1.5

Lacrosse 1	Mean					7.91					6.9
Lesueur 1	Mean					1.64					0.1
Matilda 1	Mean			0.2	0.8	7.17					31.5
Pelican	Mean	432	88	0.3				13.75	17.5		
Turtle 1	Mean						24.75	15.75	31		
Turtle 2	Mean										
Weaber 2A	Mean					9.34	11.9				0.1
	Mean										

Crb3

	top	GCHEM				POROS				
Barnett 2	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Bonaparte 1	Mean	427	68	0.4						
Keep River 1	Mean									
Kinmore 1	Mean	495	23	0.9		8.63	18.04	13.11	20.67	26.5
Kulshill 1	Mean	293	5	0.7	4.3	0.68				0.1
Ningbing 1	Mean									
Pelican	Mean	316	13	0.5		3.25				0.1
Turtle 1	Mean			0						
Weaber 2A	Mean						14	7	30	
	Mean					6.97				
	Mean						6			

Crb1-2

	top	GCHEM				POROS				
Bonaparte 1										
Keep River 1	(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Kinmore 1	Mean	432	94	0.4	0.7					
Kulshill 1	Mean			0.9		3.56	5.73			
Pelican	Mean	280	10	0.3	5.6	0.98				0.8
Weaber 2A	Mean									
	Mean	331	9	0.8	1.1	2.35				0.1
	Mean						14	7	30	
	Mean									

Keep River 1
Kinmore 1
Kulshill 1
Ningbing 1
Pelican
Island 1

D9-10

top				GCHEM	POROS				
(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Mean	431	103	0.3	0.7					
Mean	287	11	0.1	3.8	0.78				4.6
Mean									
Mean	330	16	0.5	2.7	1.17				0.1
Mean	421	36	0.3	0.9					
Mean						14	7	30	

Kinmore 1
Pelican
Island 1

D7-8

top				GCHEM	POROS				
(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Mean									
Mean						14	7	30	

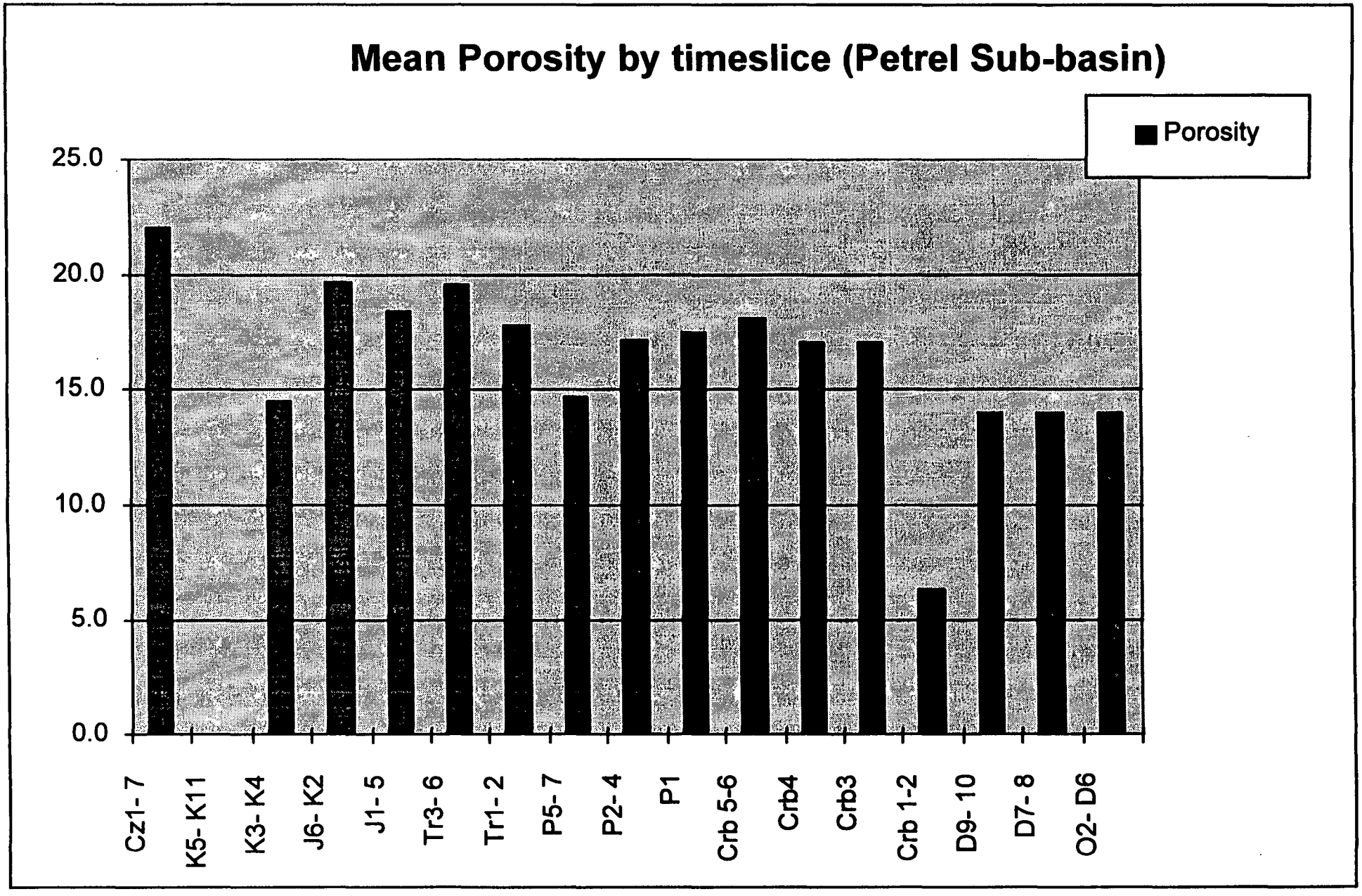
Kinmore 1
Pelican
Island 1

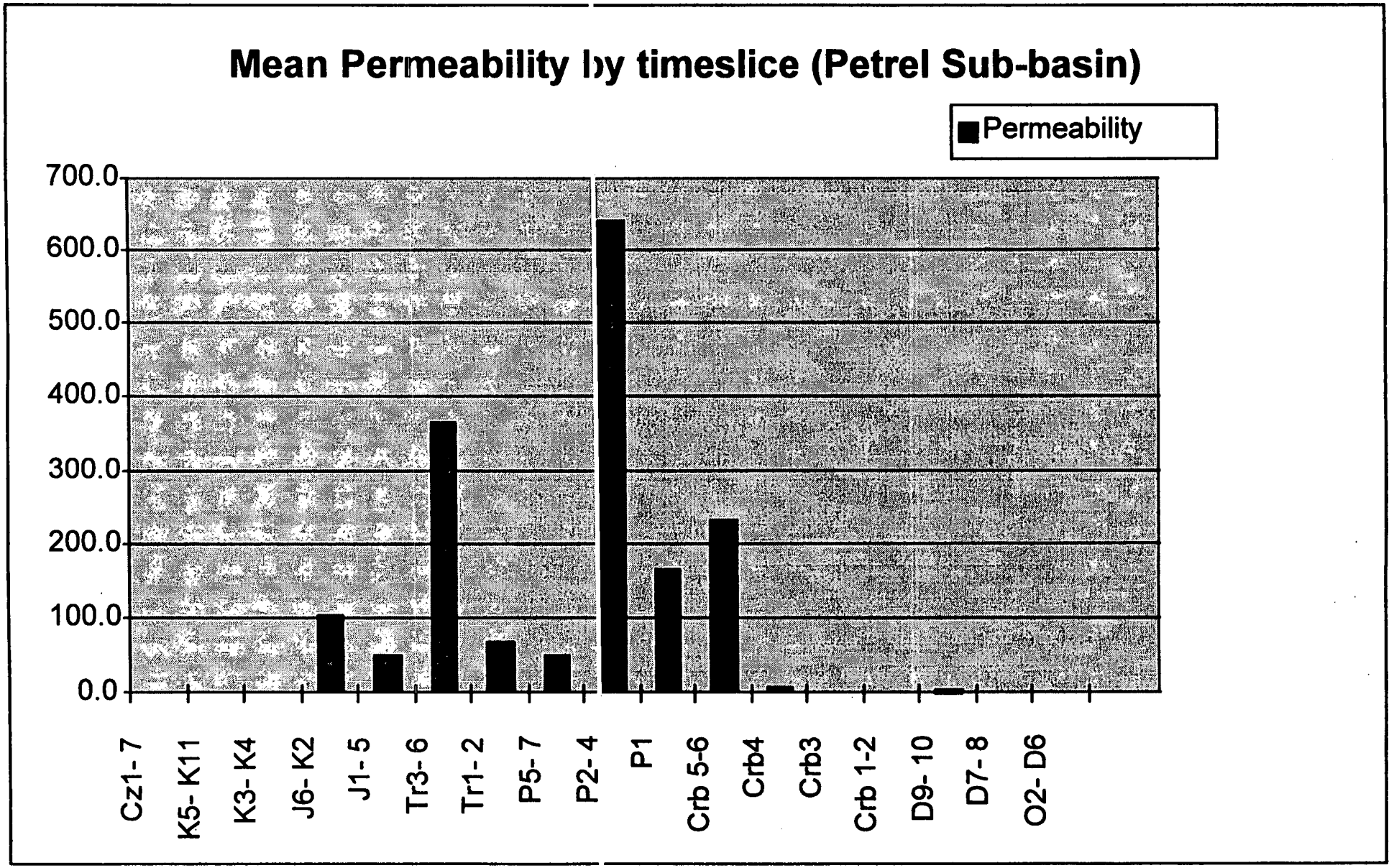
O2-D6

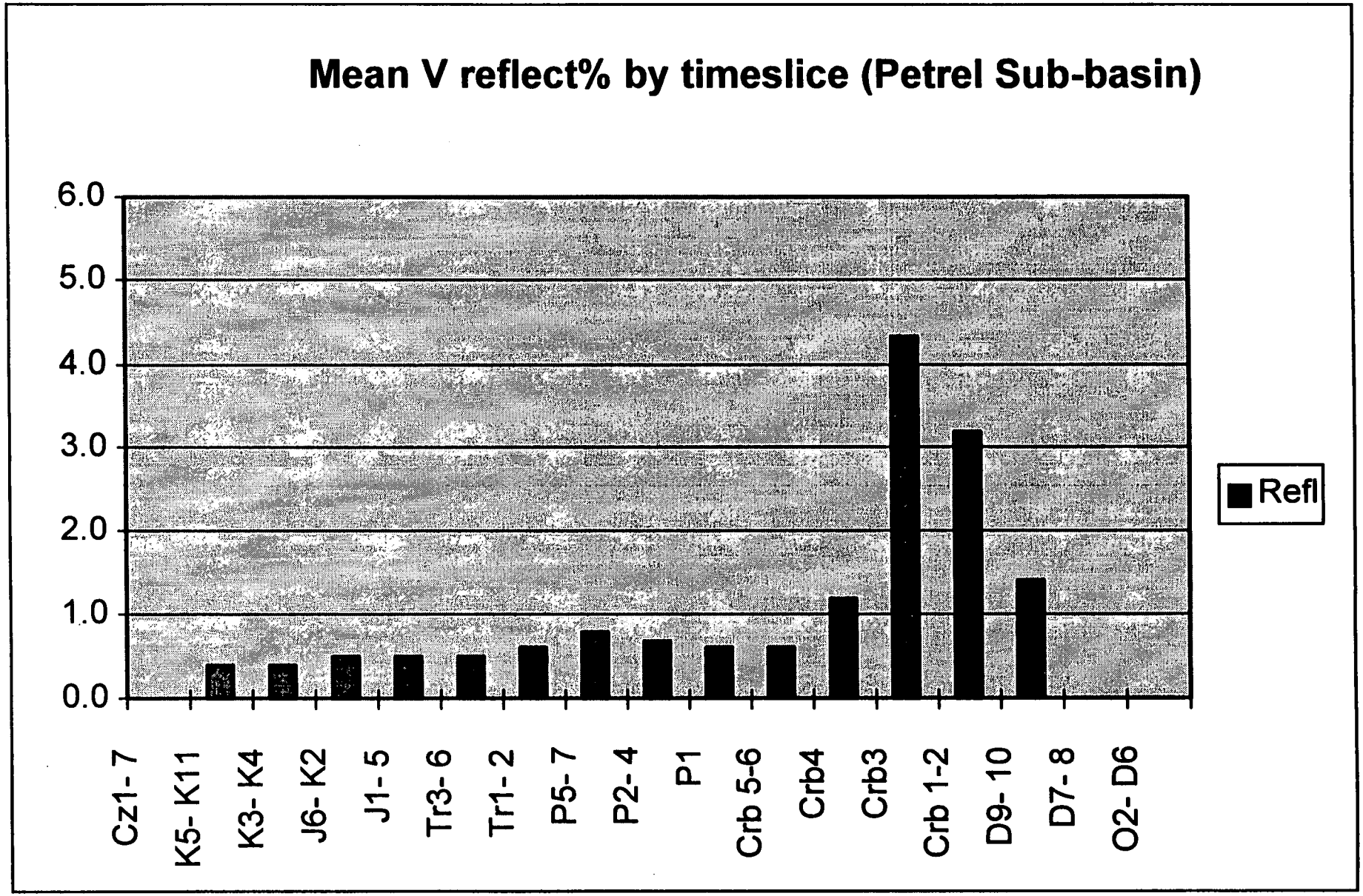
top				GCHEM	POROS				
(m)	Tmax	HI	TOC	Refl	Spot	Aver	Min	Max	Spot
Mean									
Mean						14	7	30	

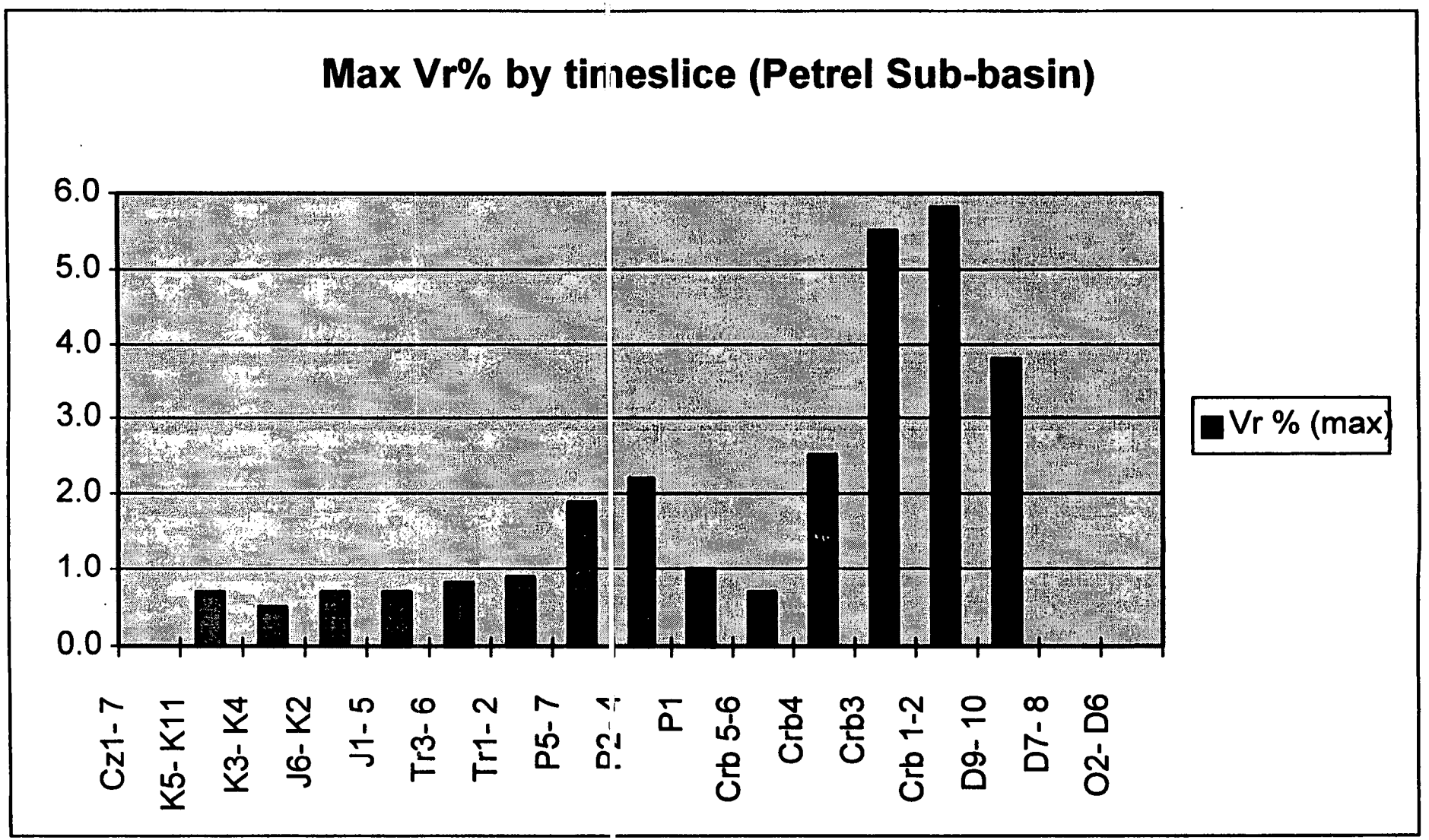
APPENDIX: 5

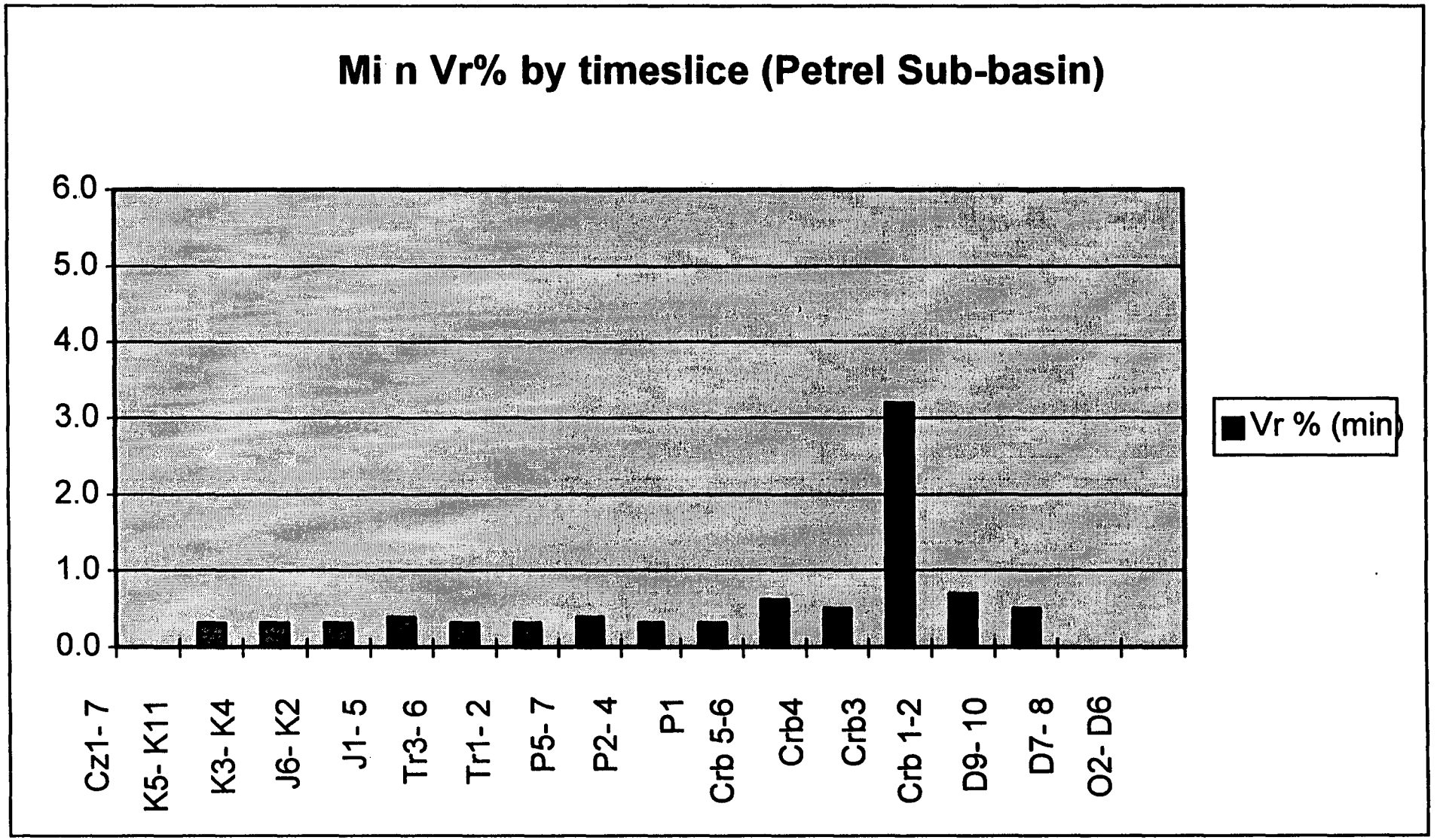
ORGCHEM AND RESFACS SUMMARY CHARTS BY TIMESLICE

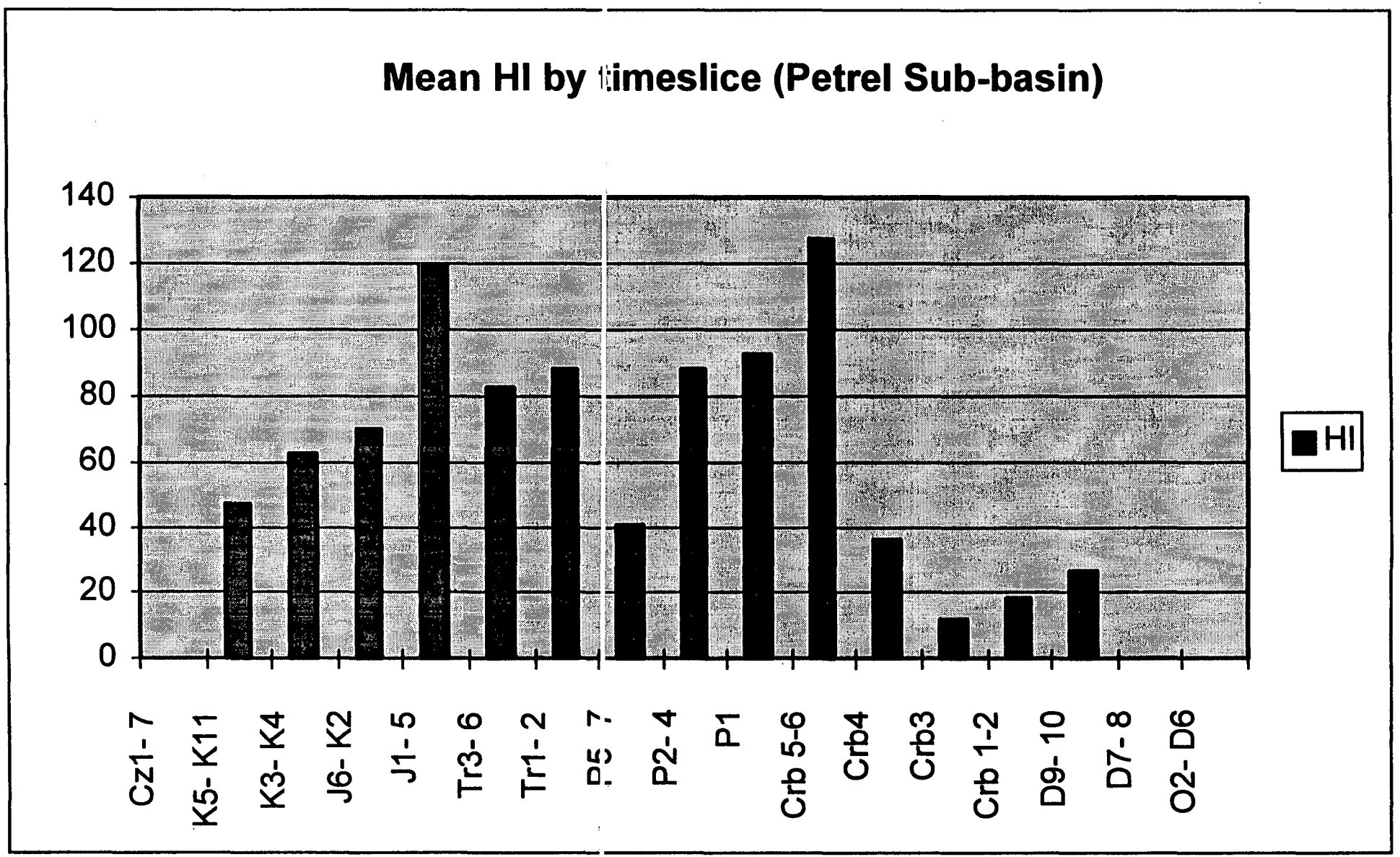

Mean Porosity by timeslice (Petrel Sub-basin)
Porosity
25.0
20.0
15.0
10.0
5.0
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6

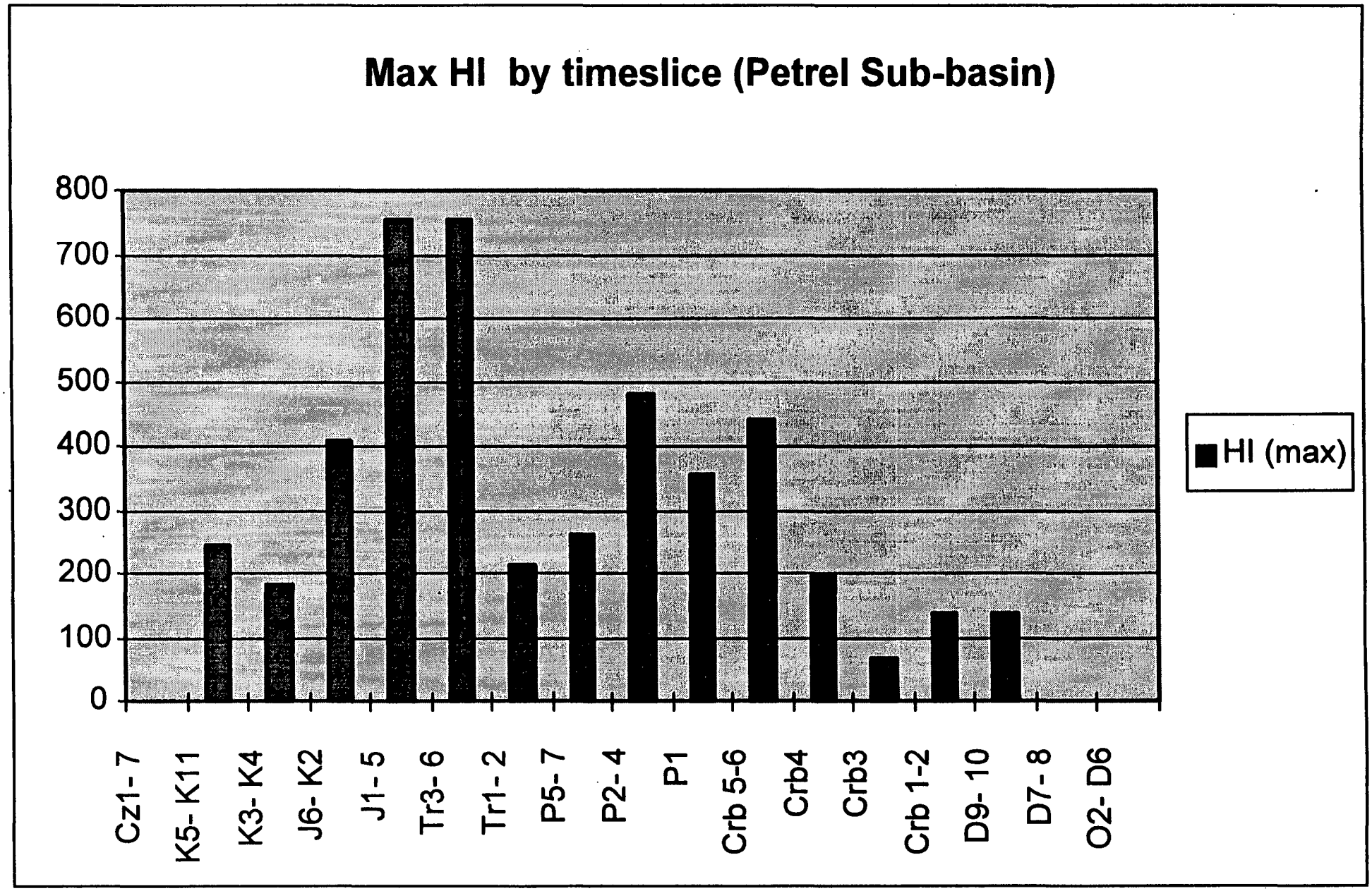

Mean Permeability by timeslice (Petrel Sub-basin)
Permeability
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6

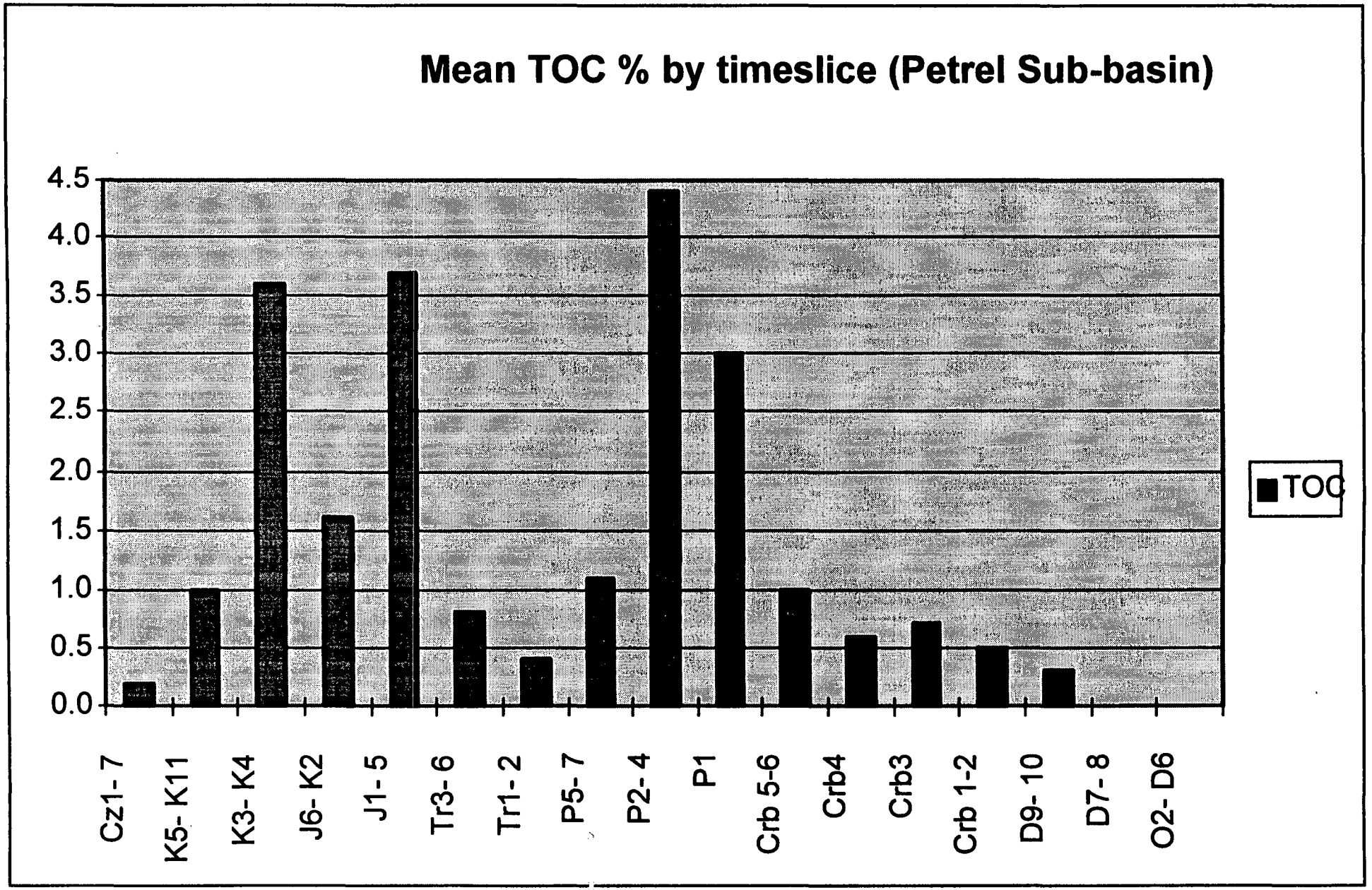

Mean V reflect% by timeslice (Petrel Sub-basin)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
Refl

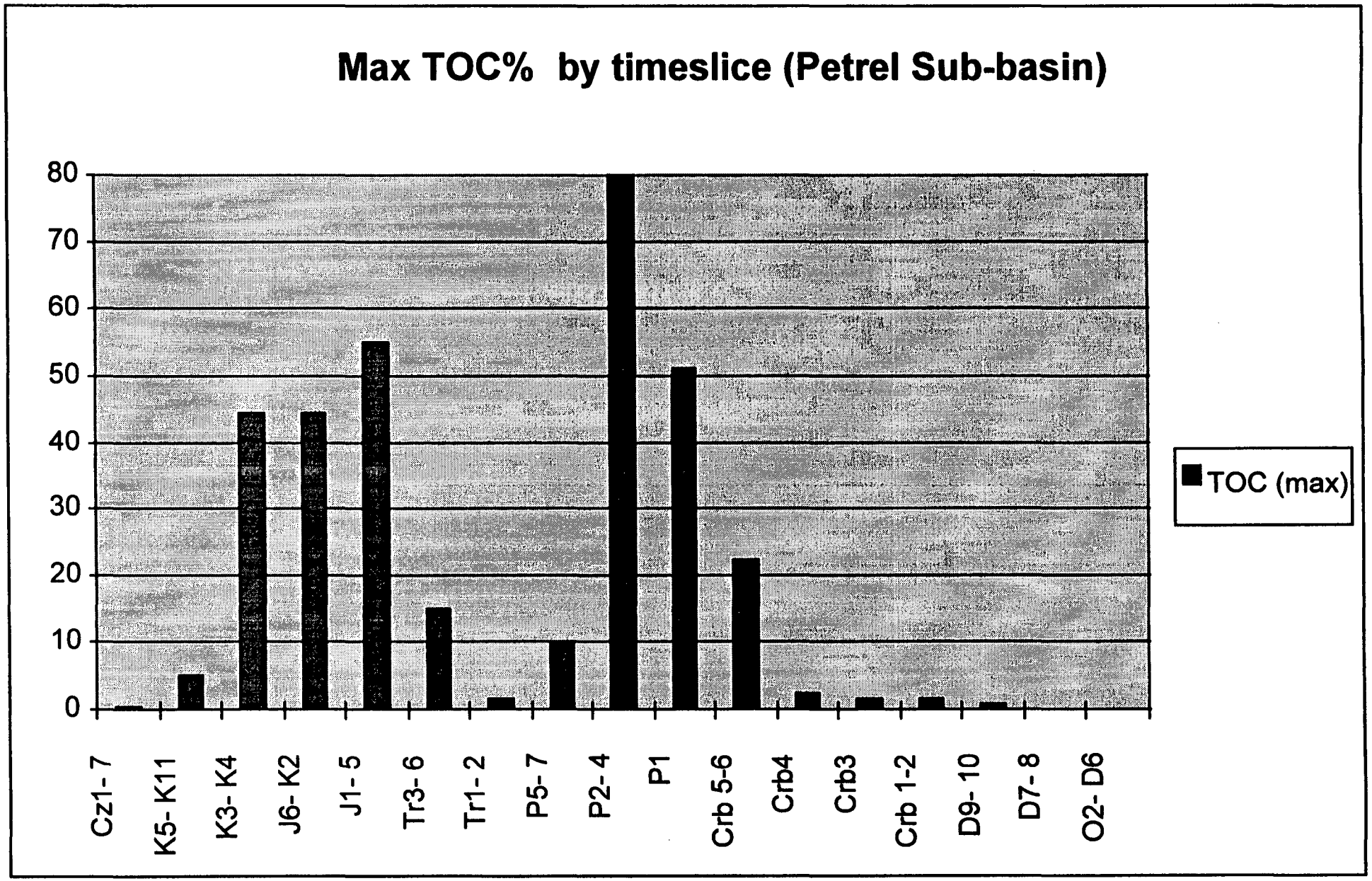

Max Vr% by timeslice (Petrel Sub-basin)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
Vr % (max)

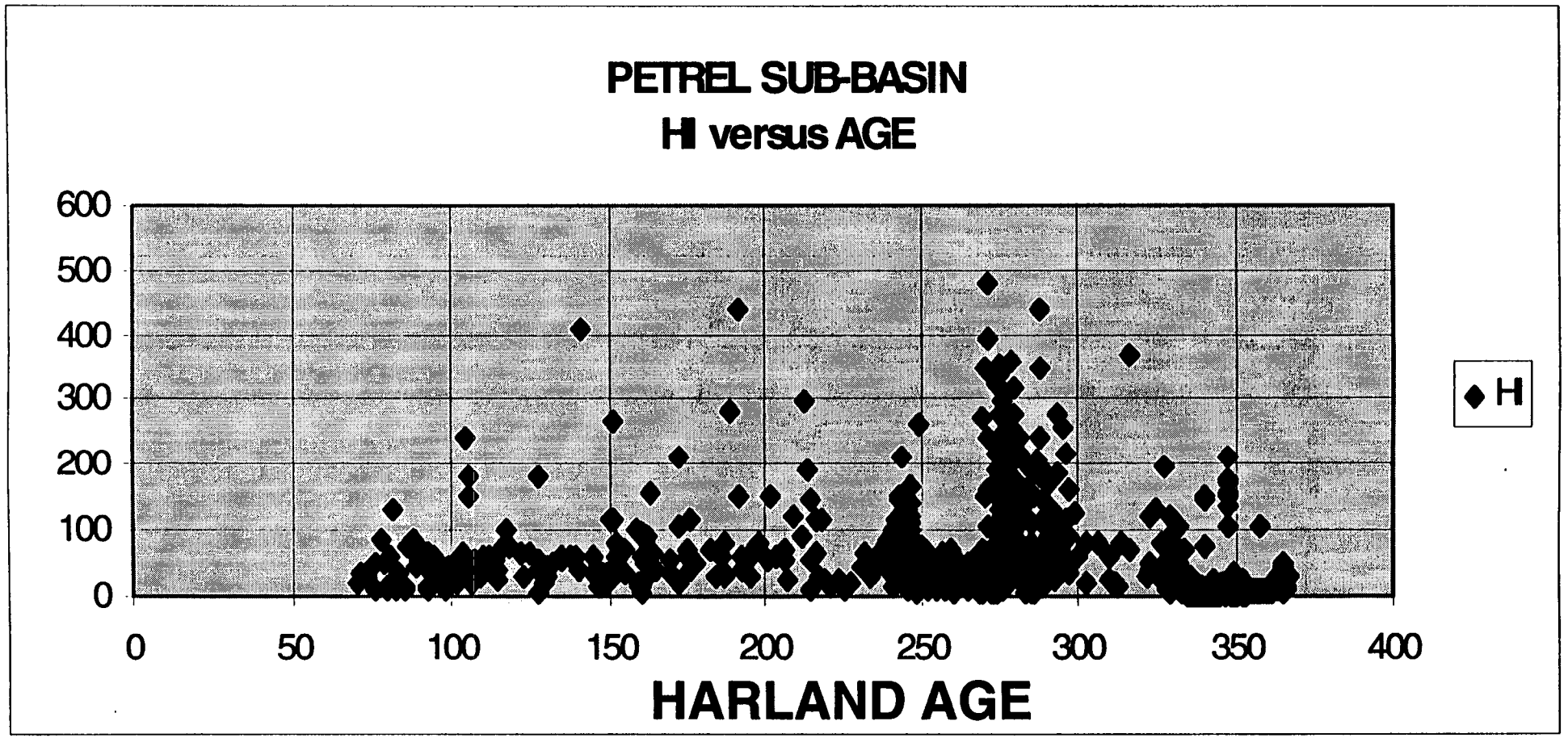

Mi n Vr% by timeslice (Petrel Sub-basin)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
Vr % (min)


Mean HI by timeslice (Petrel Sub-basin)
140
120
100
80
60
40
20
0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
HI


Max HI by timeslice (Petrel Sub-basin)
800
700
600
500
400
300
200
100
0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
HI (max)

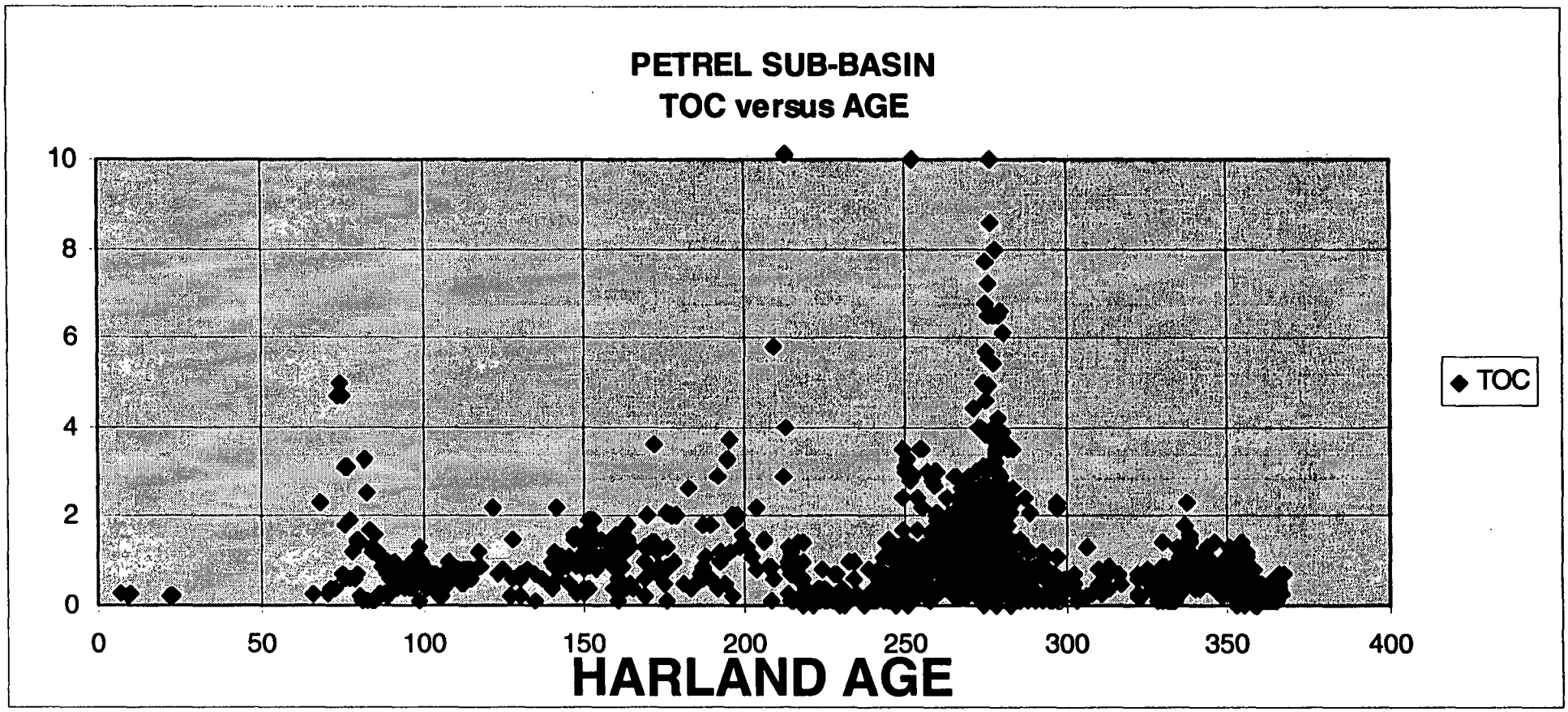

Mean TOC % by timeslice (Petrel Sub-basin)
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
TOC


Max TOC% by timeslice (Petrel Sub-basin)
80
70
60
50
40
30
20
10
0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
TOC (max)



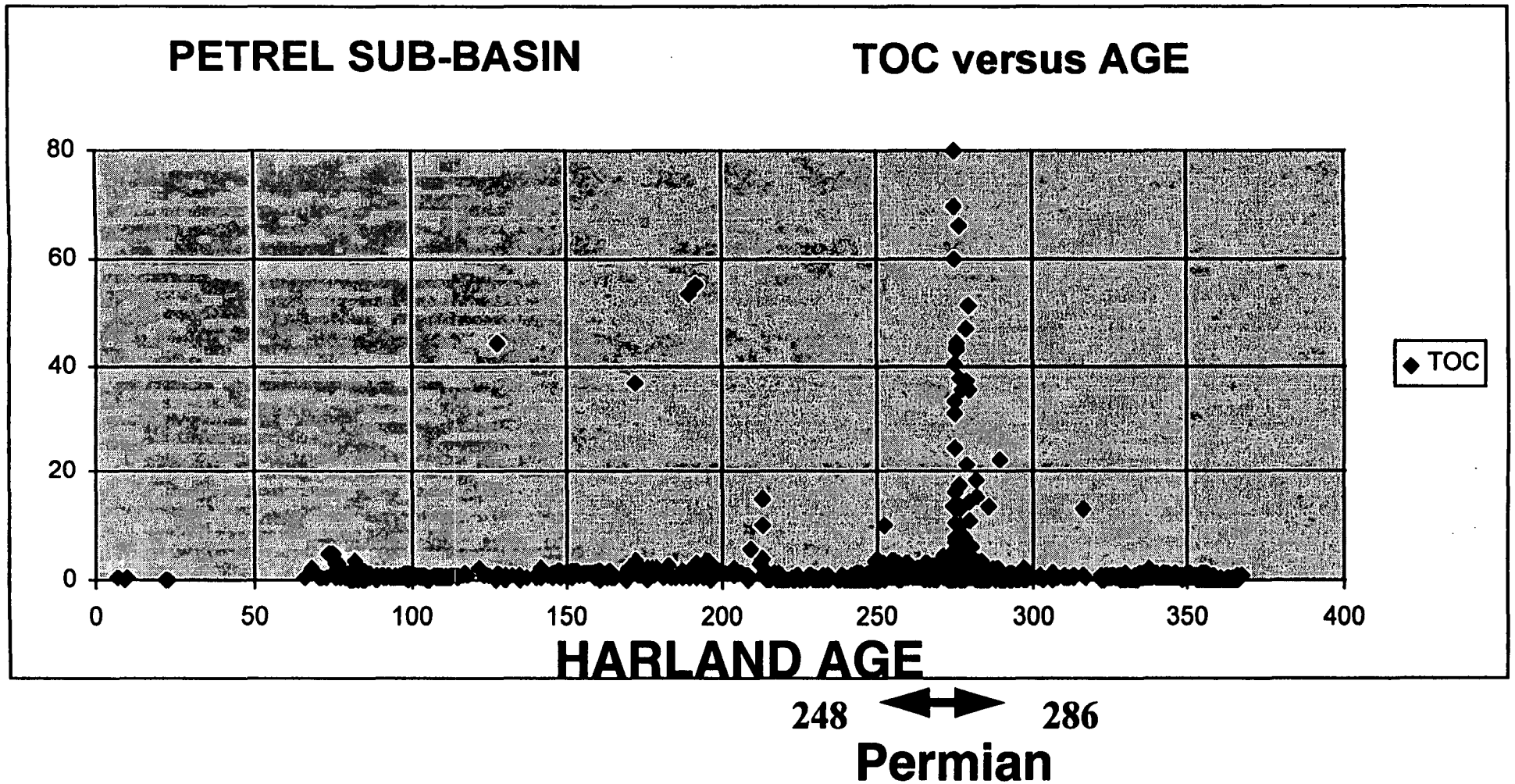
248 286

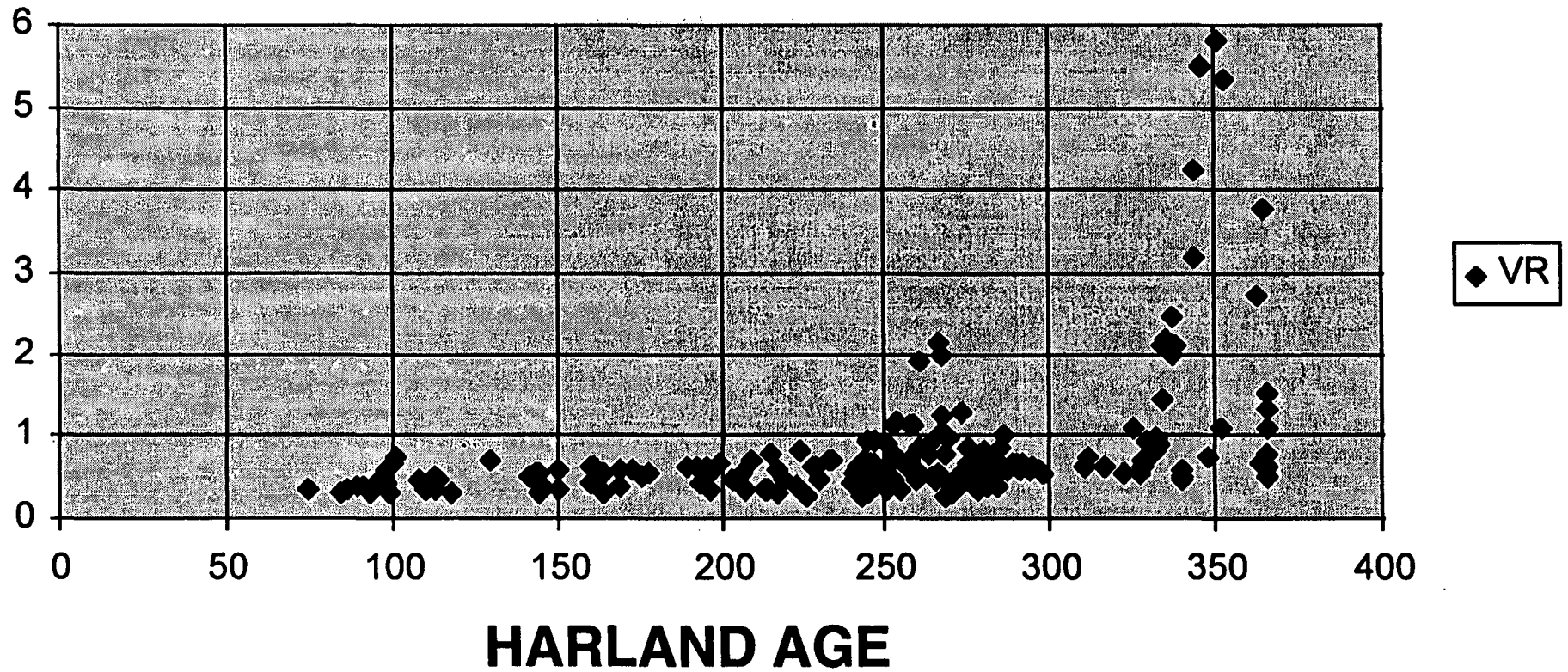
Permian

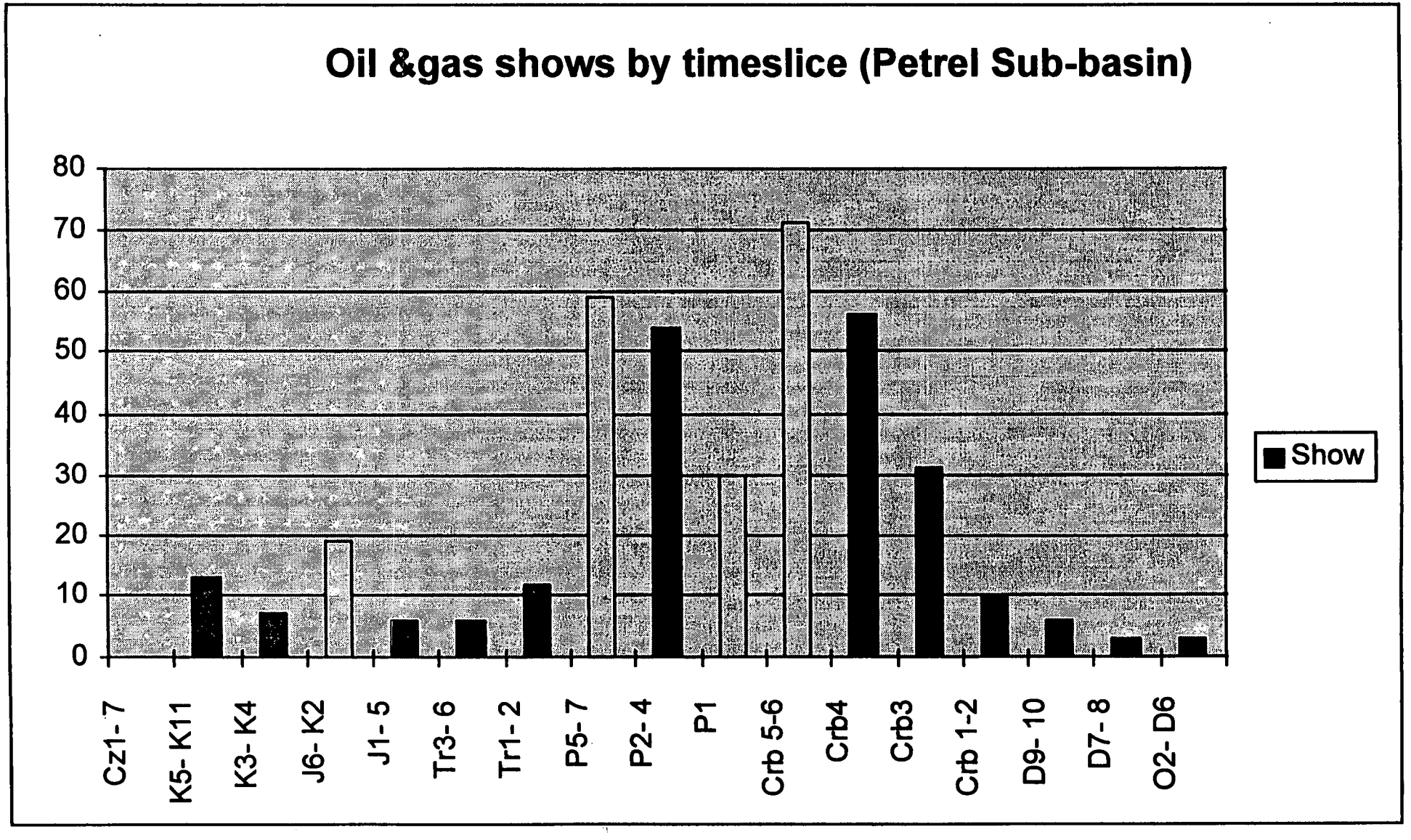


248 ↔ 286

Permian


PETREL SUB-BASIN
TOC versus AGE
80
60
40
20
0
0
50
100
150
200
250
300
350
400
HARLAND AGE
TOC
248
286
Permian

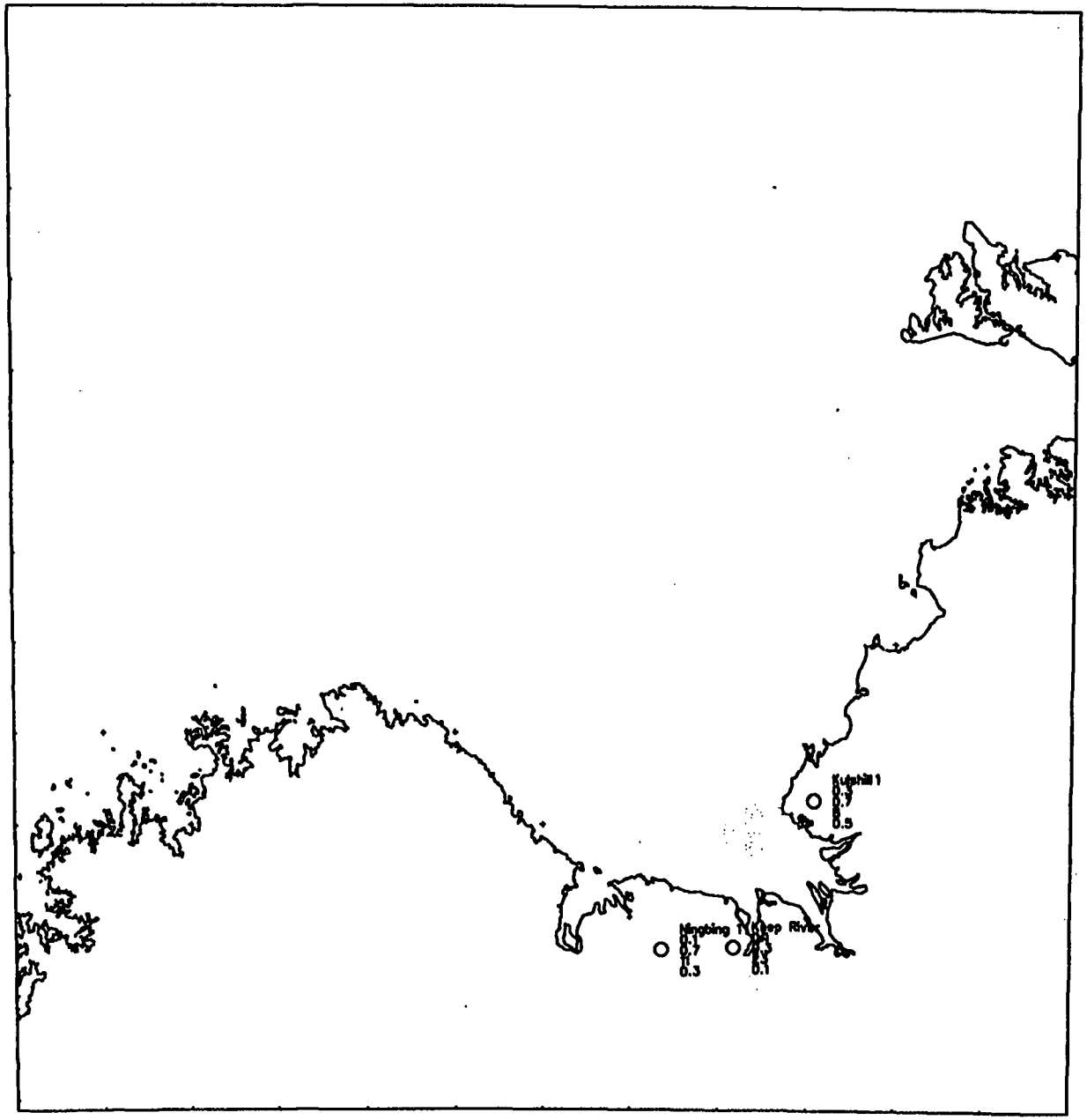

6
5
4
3
2
1
0
0
50
100
150
200
250
300
350
400
HARLAND AGE
VR


Oil &gas shows by timeslice (Petrel Sub-basin)
80
70
60
50
40
30
20
10
0
Cz1- 7
K5- K11
K3- K4
J6- K2
J1- 5
Tr3- 6
Tr1- 2
P5- 7
P2- 4
P1
Crb 5-6
Crb4
Crb3
Crb 1-2
D9- 10
D7- 8
O2- D6
Show

APPENDIX: 6

ORGCHEM DATA MAPS

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

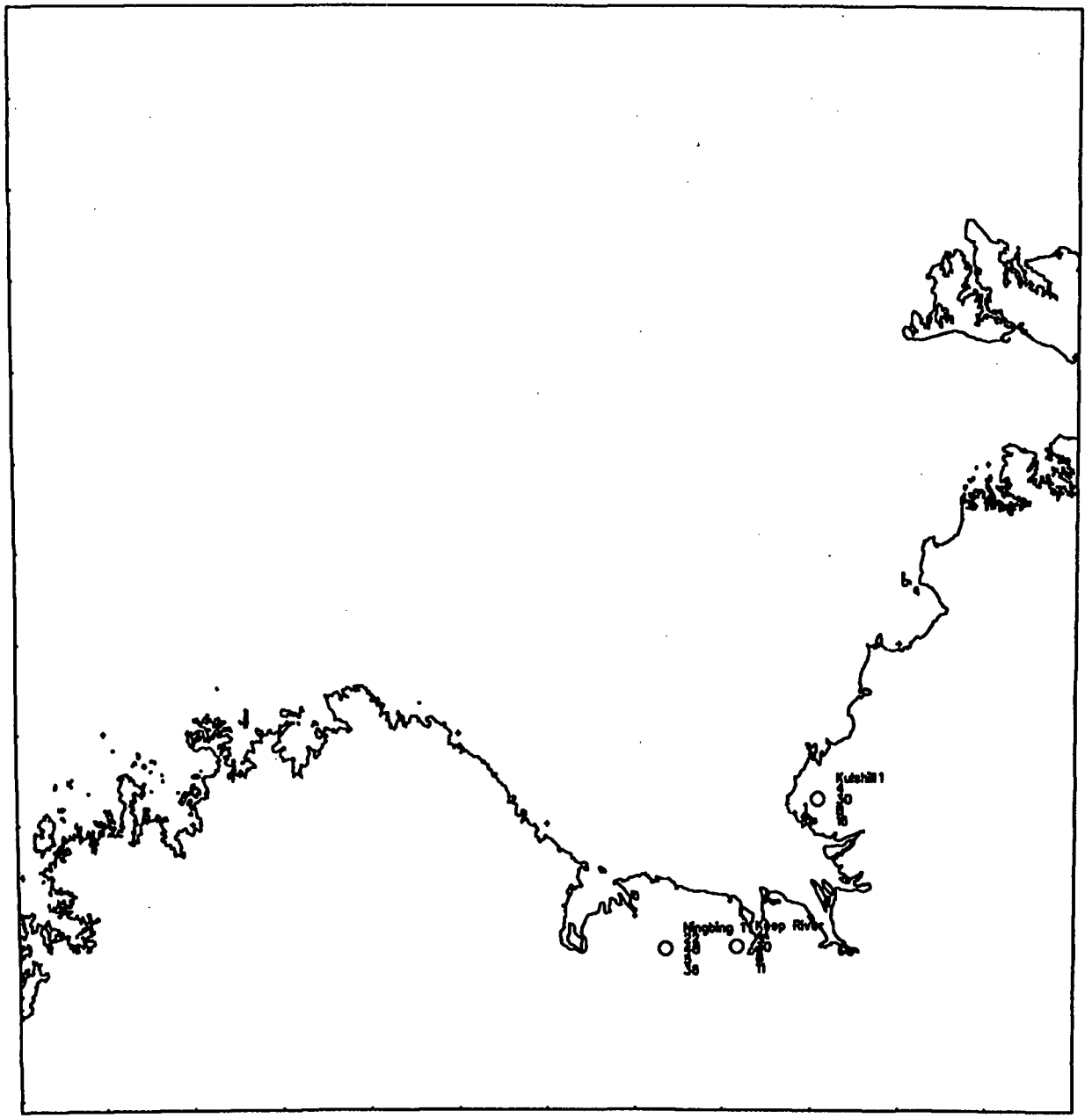
D9-10

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

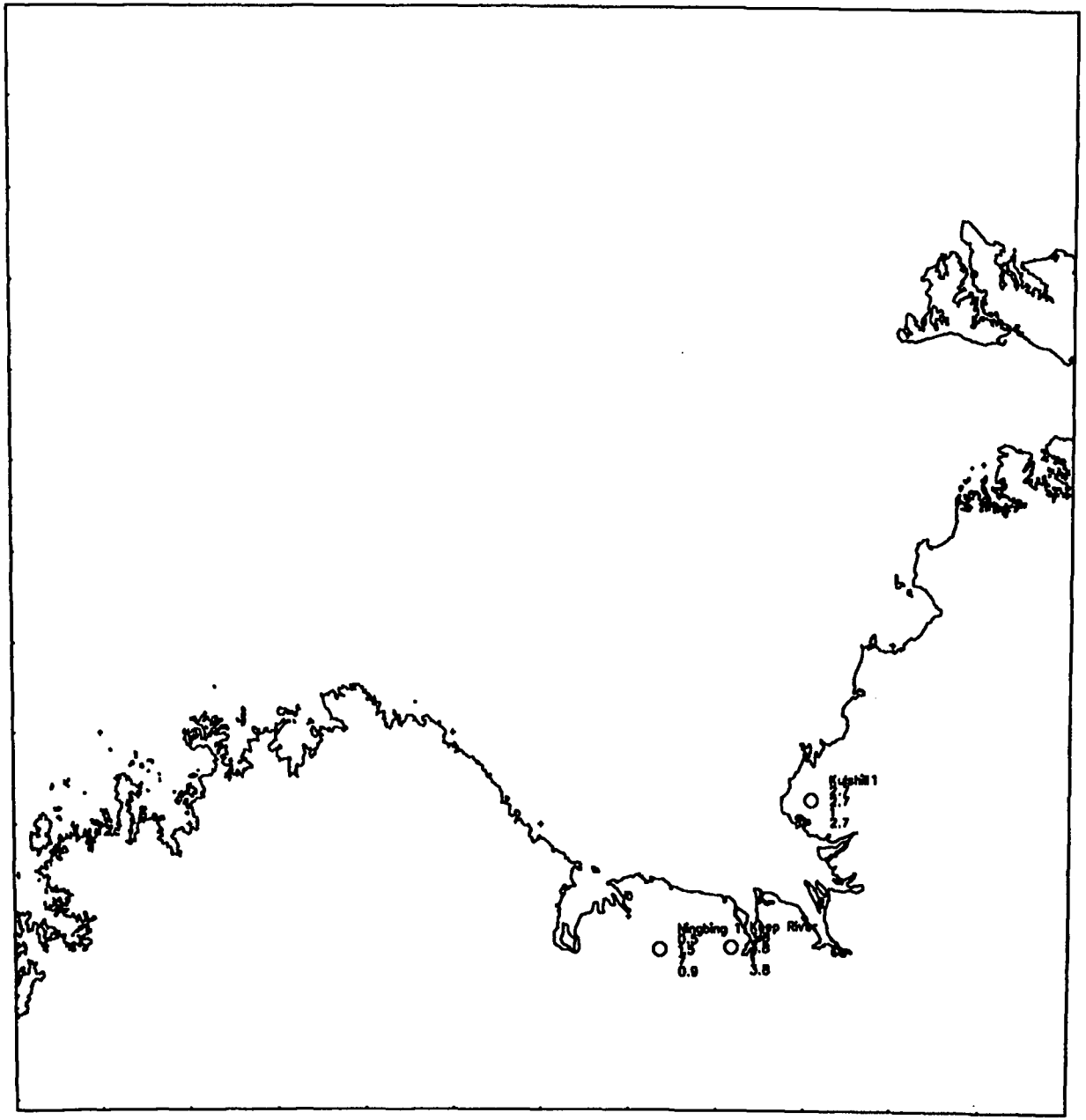
D9-10

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

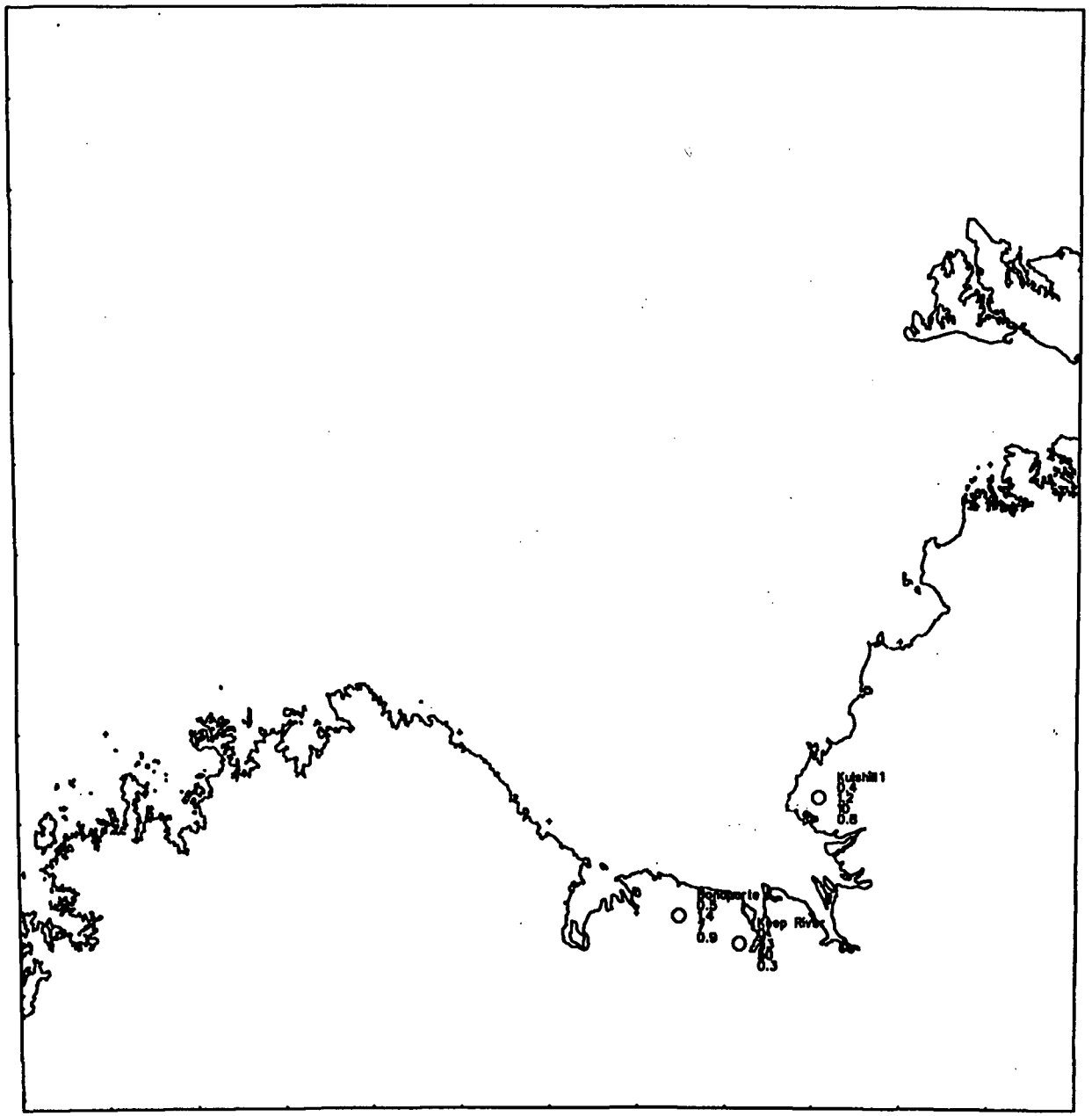
D9-10

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

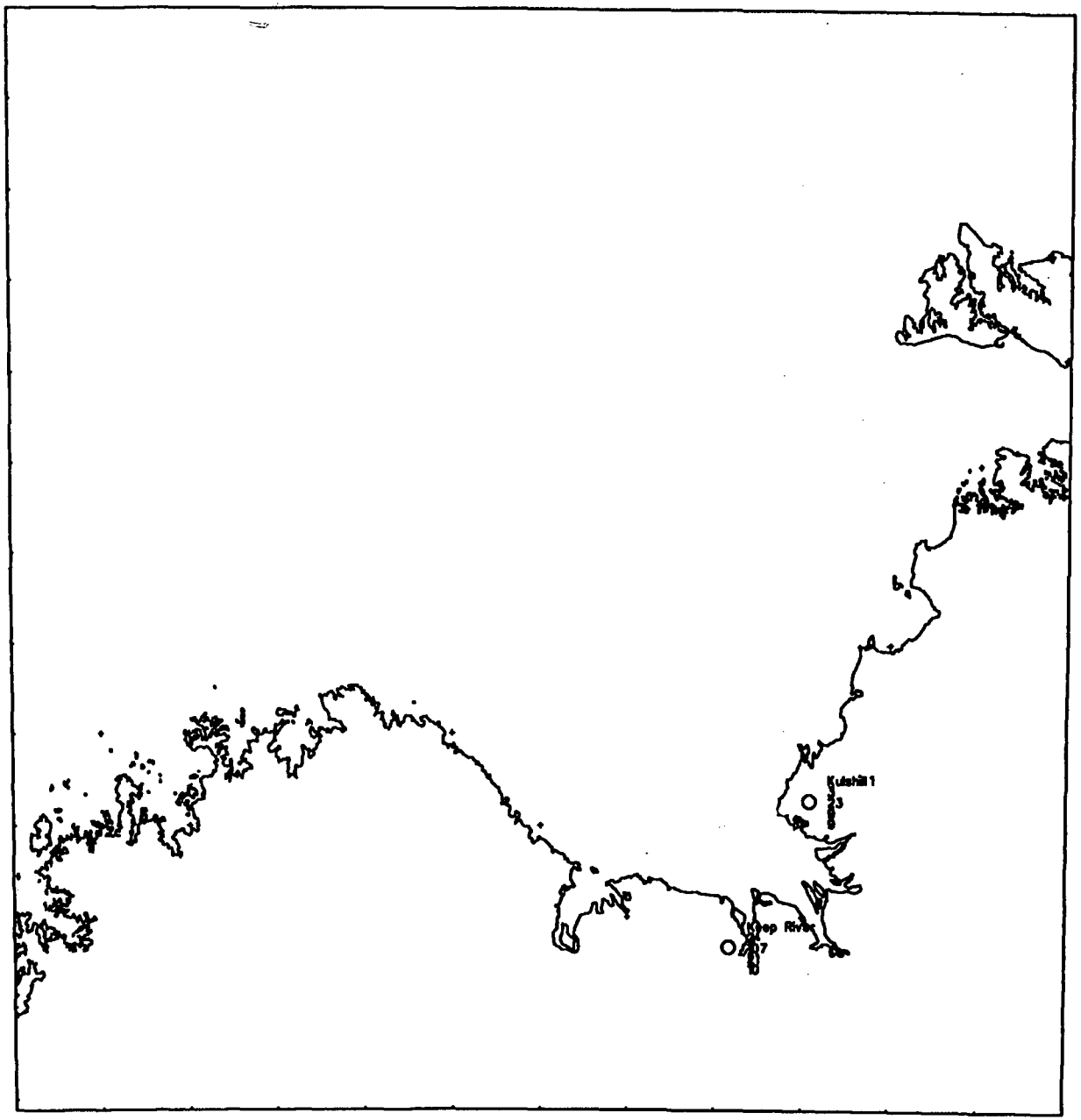
Crb1-2

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

H I

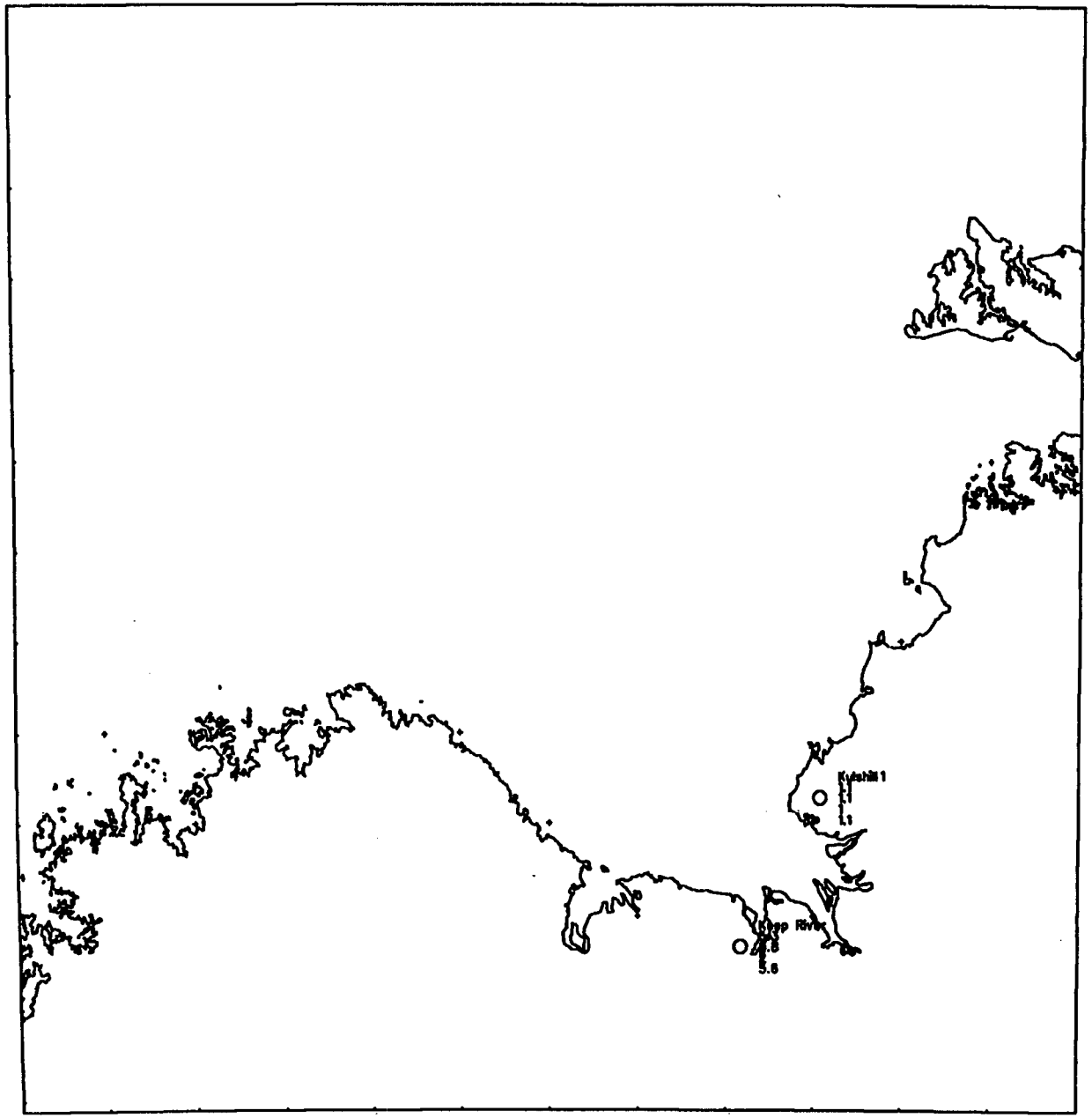
TIMESLICE

Crb1-2

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN
GEOLOGICAL SURVEY
ORGANISATION

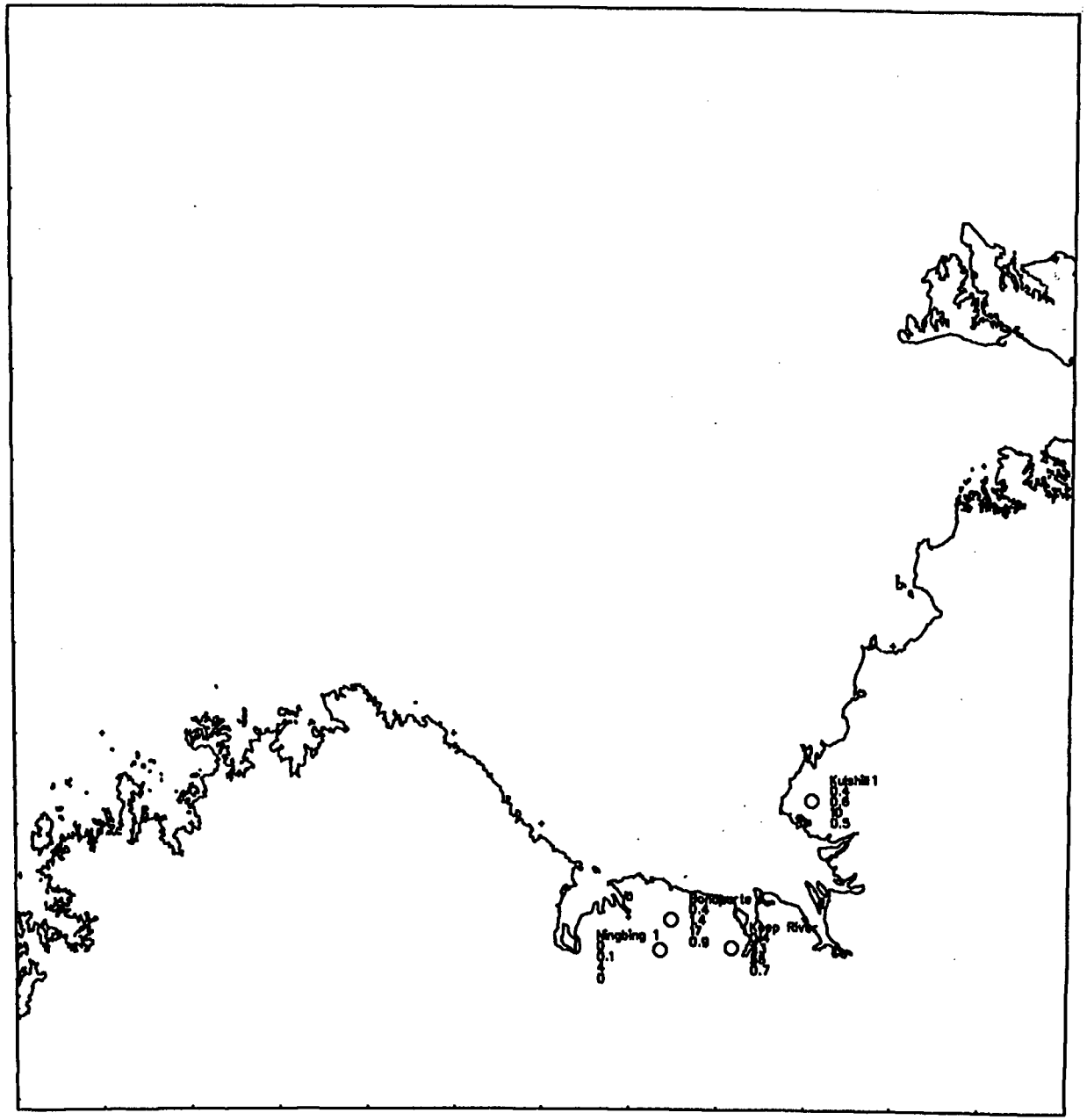
VR

TIMESLICE
Crb1-2

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

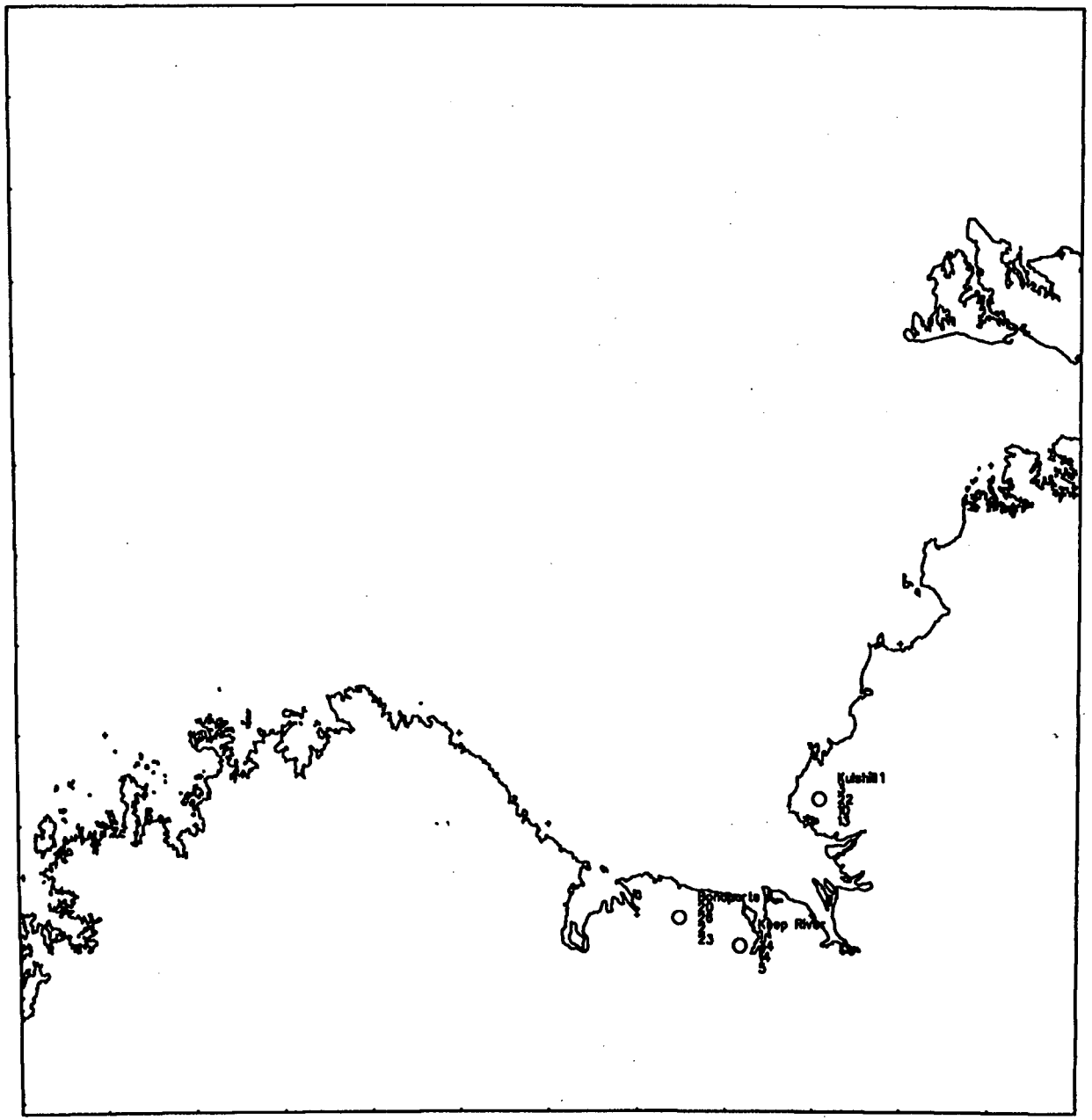
Crb3

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

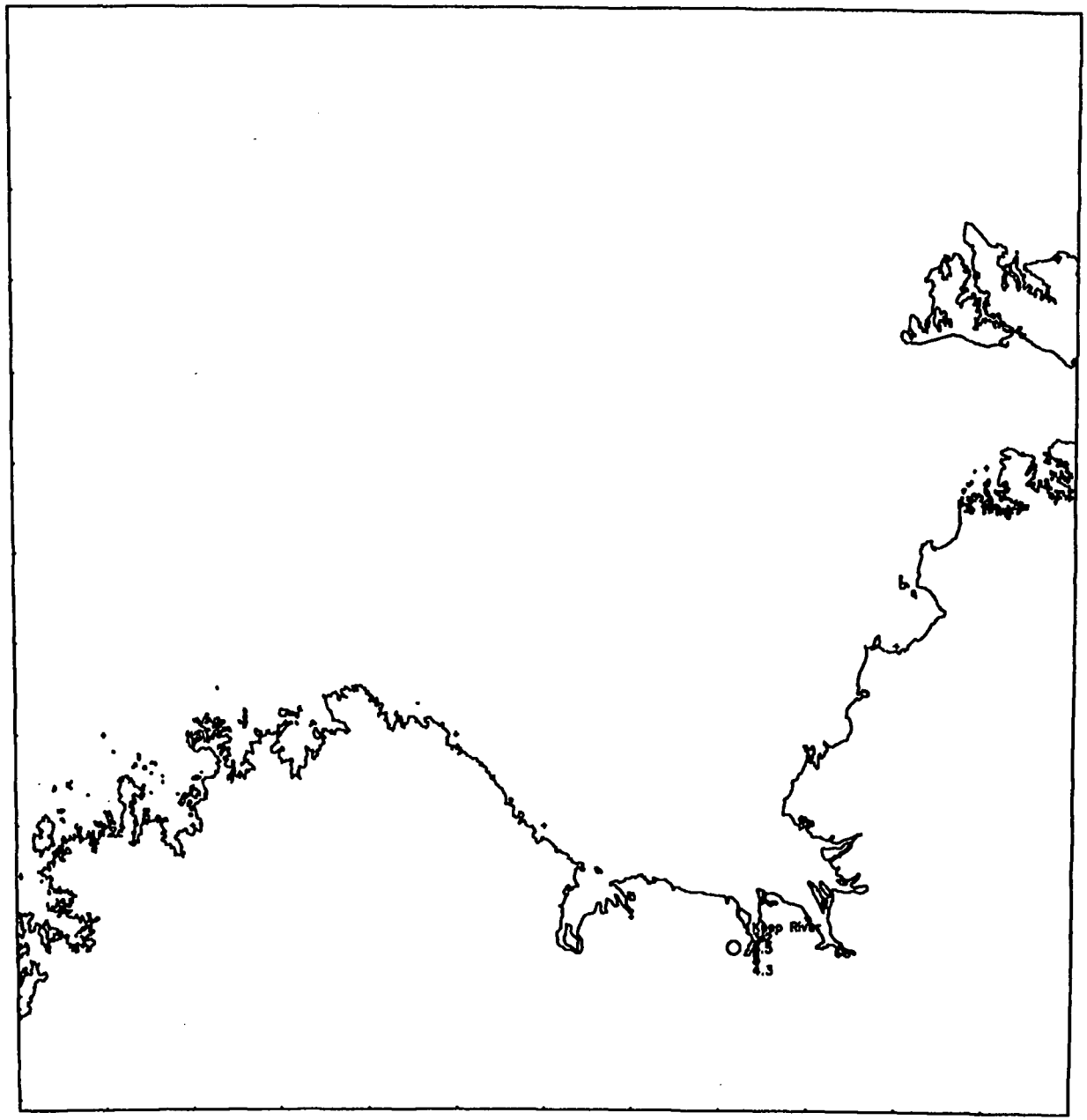
Crb3

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

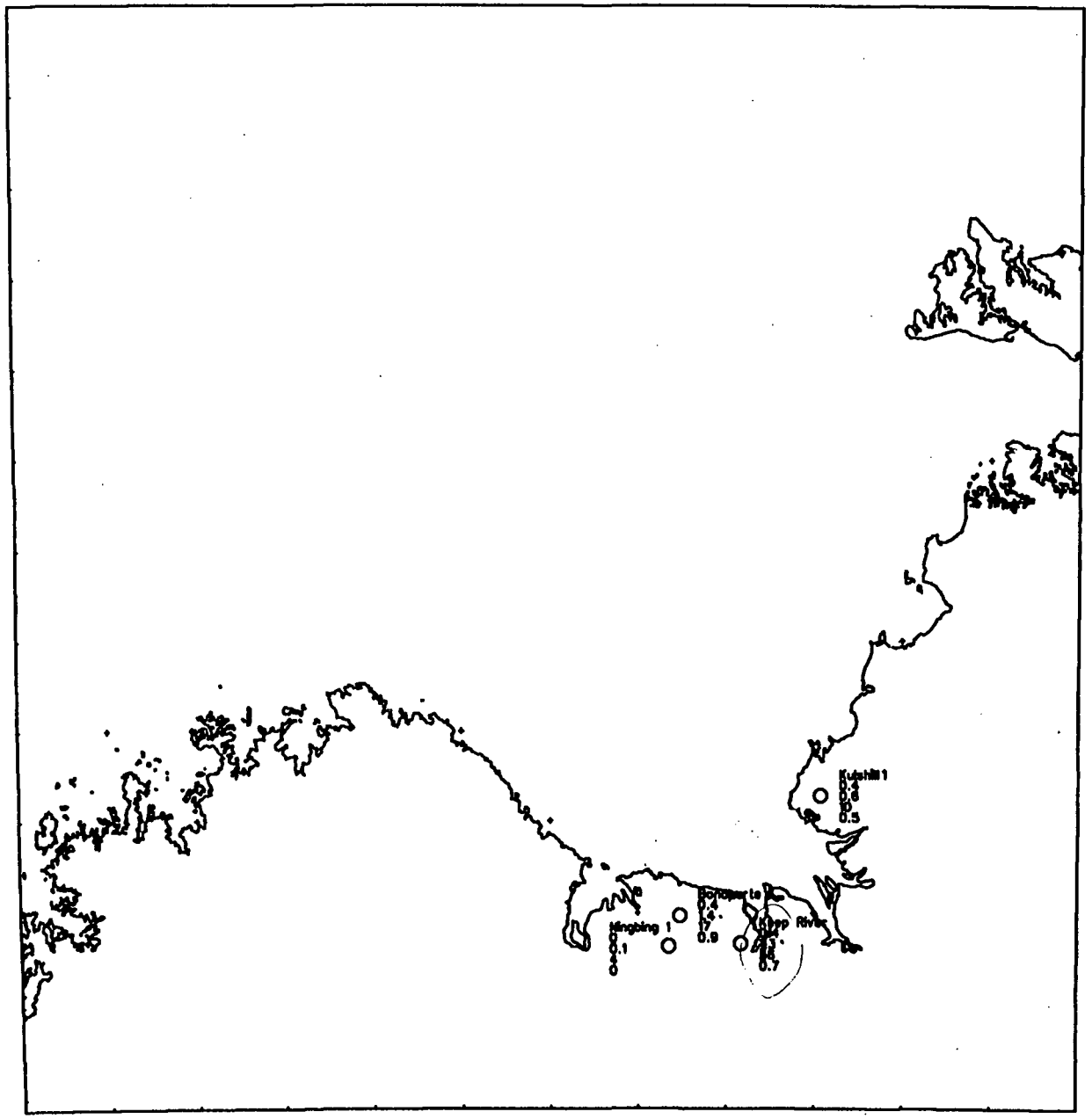
Crb3

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

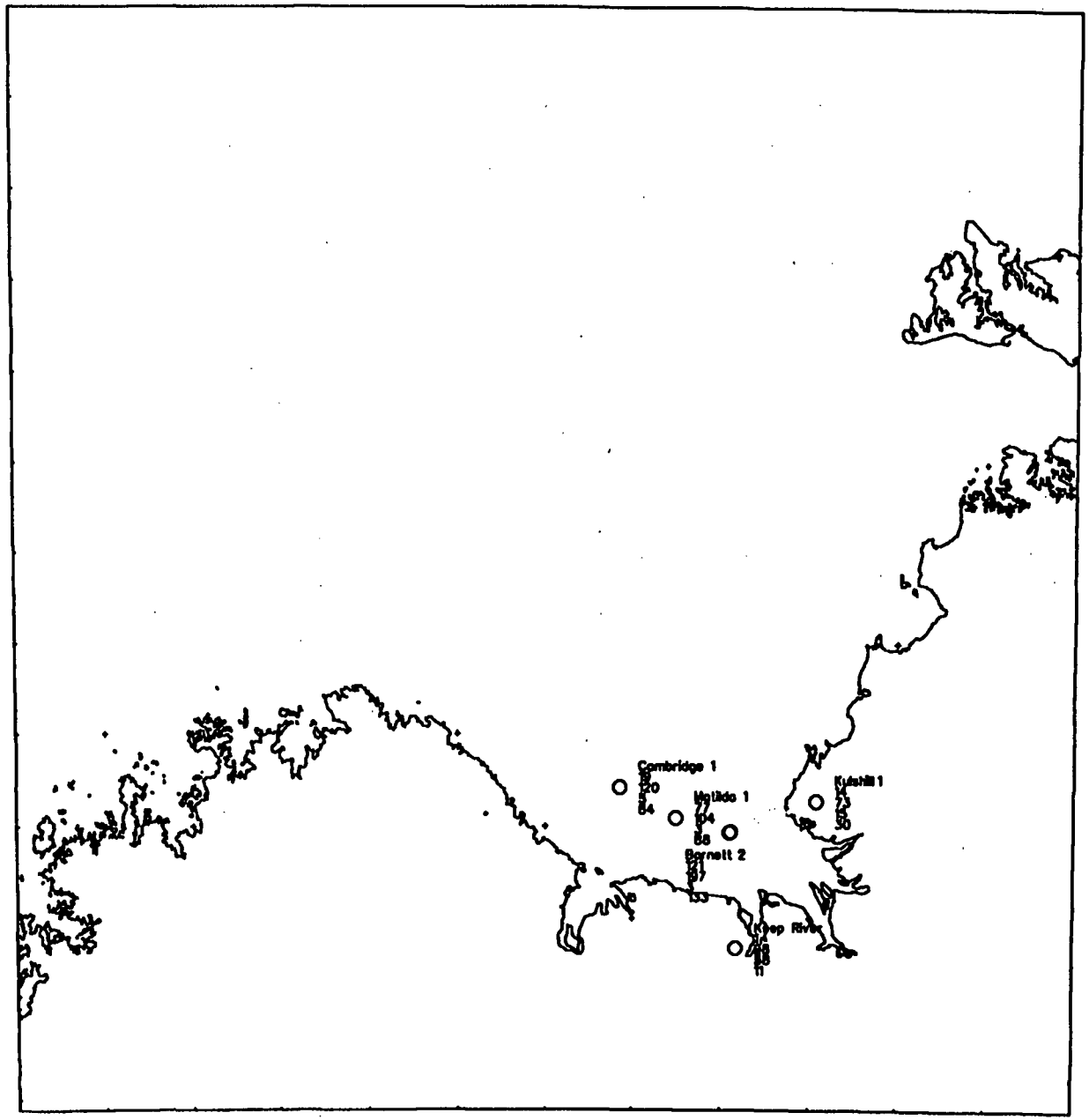
Crb4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

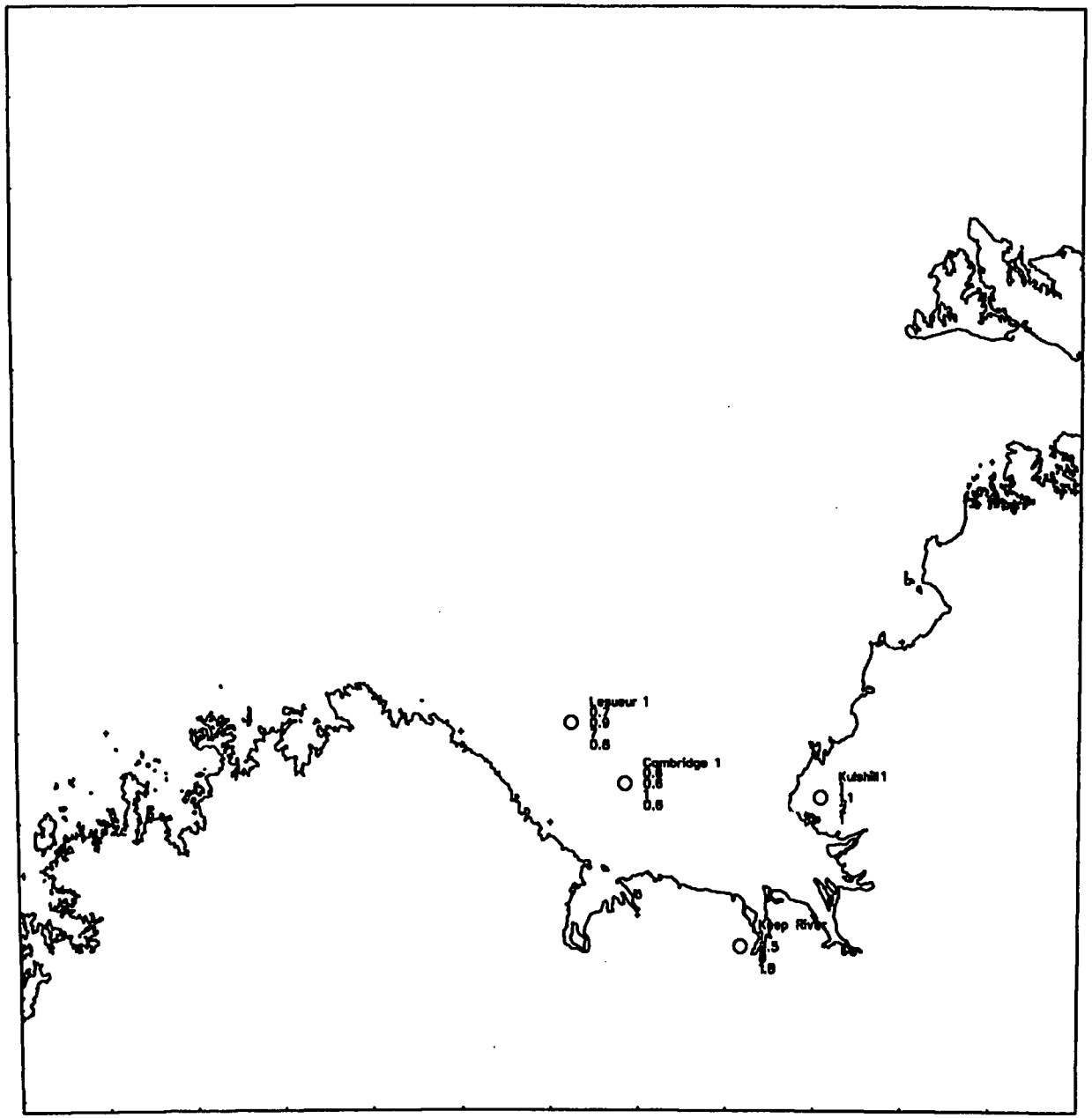
Crb4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

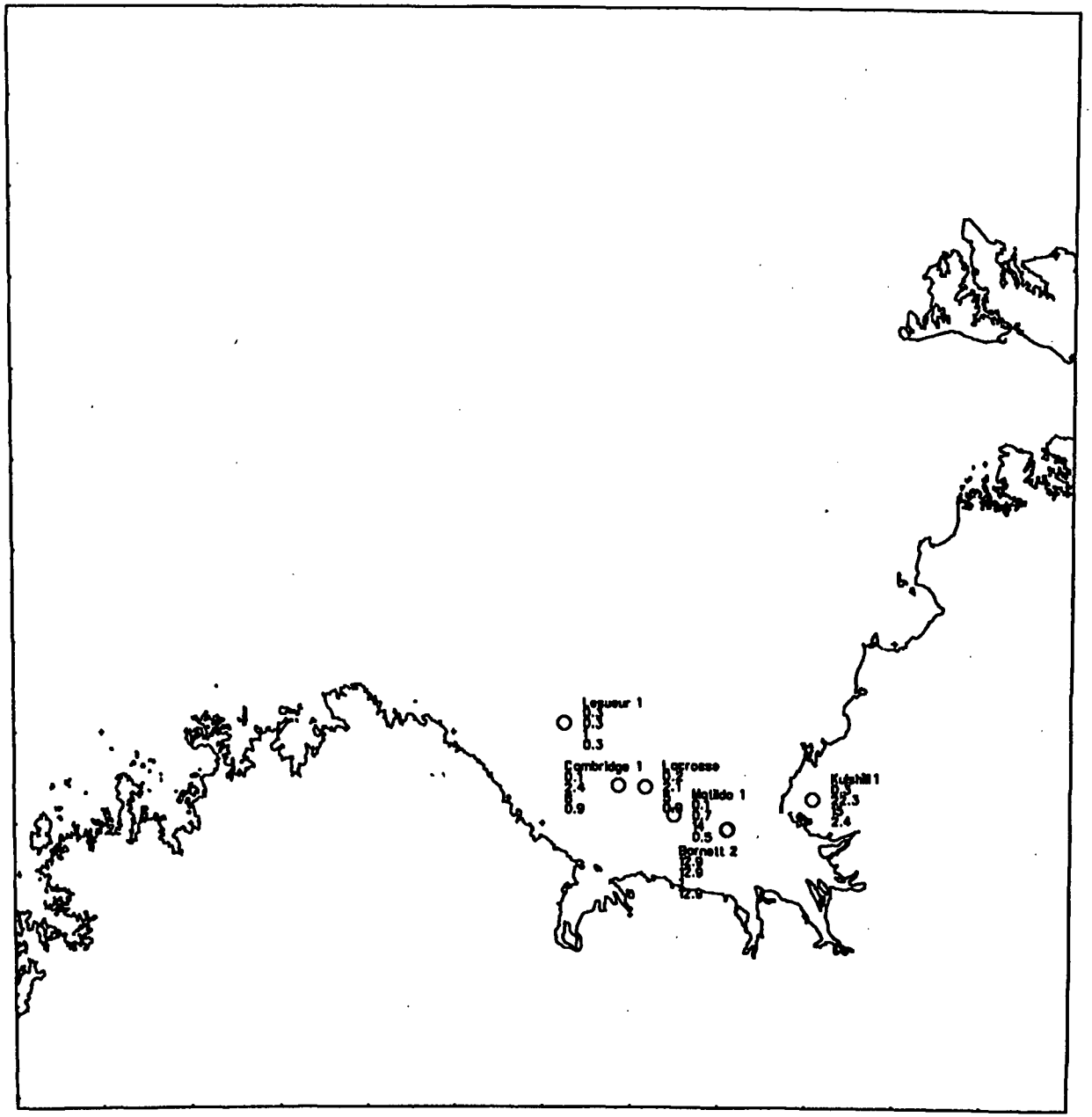
Crb4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

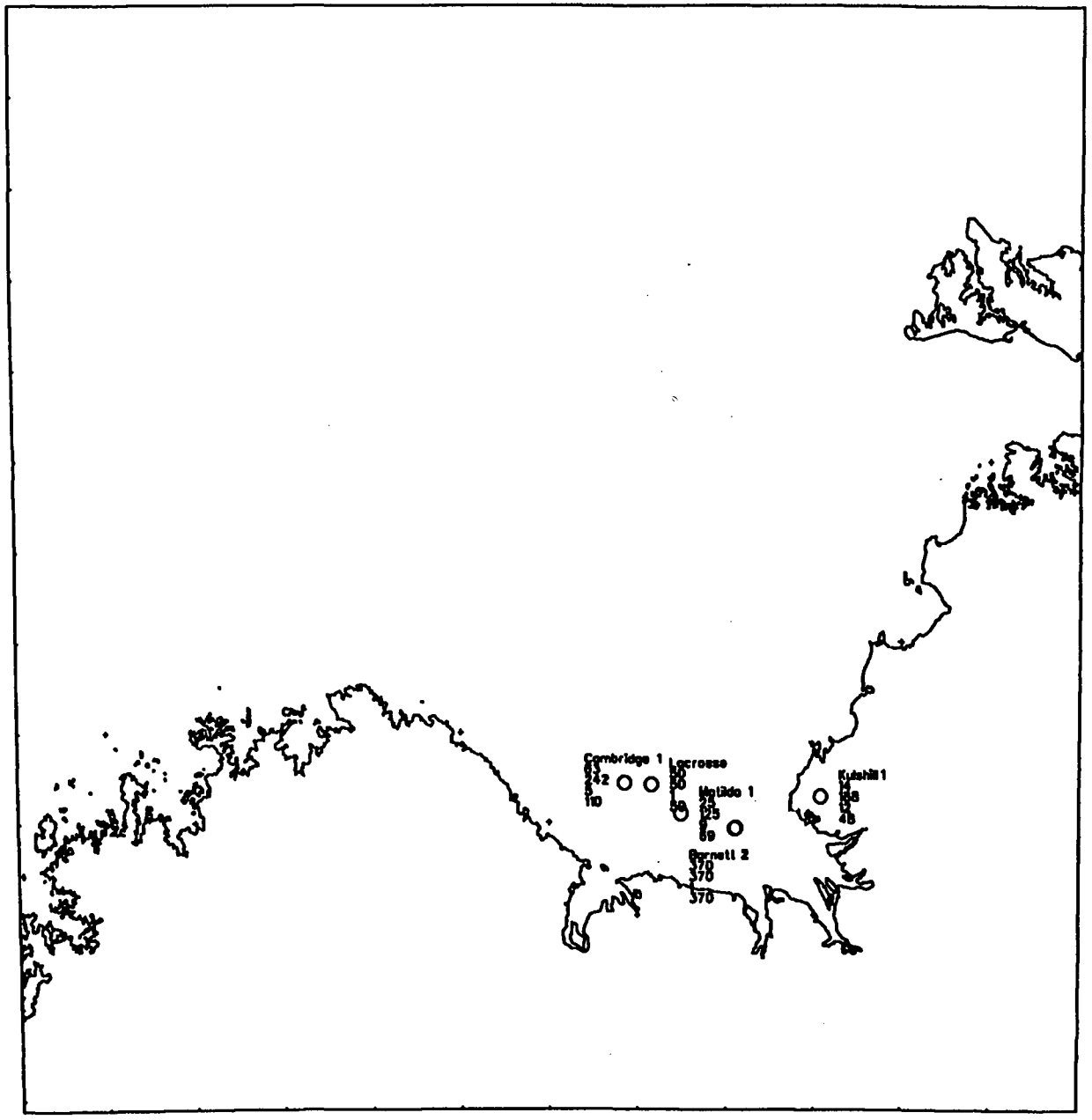
Crb5-6

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

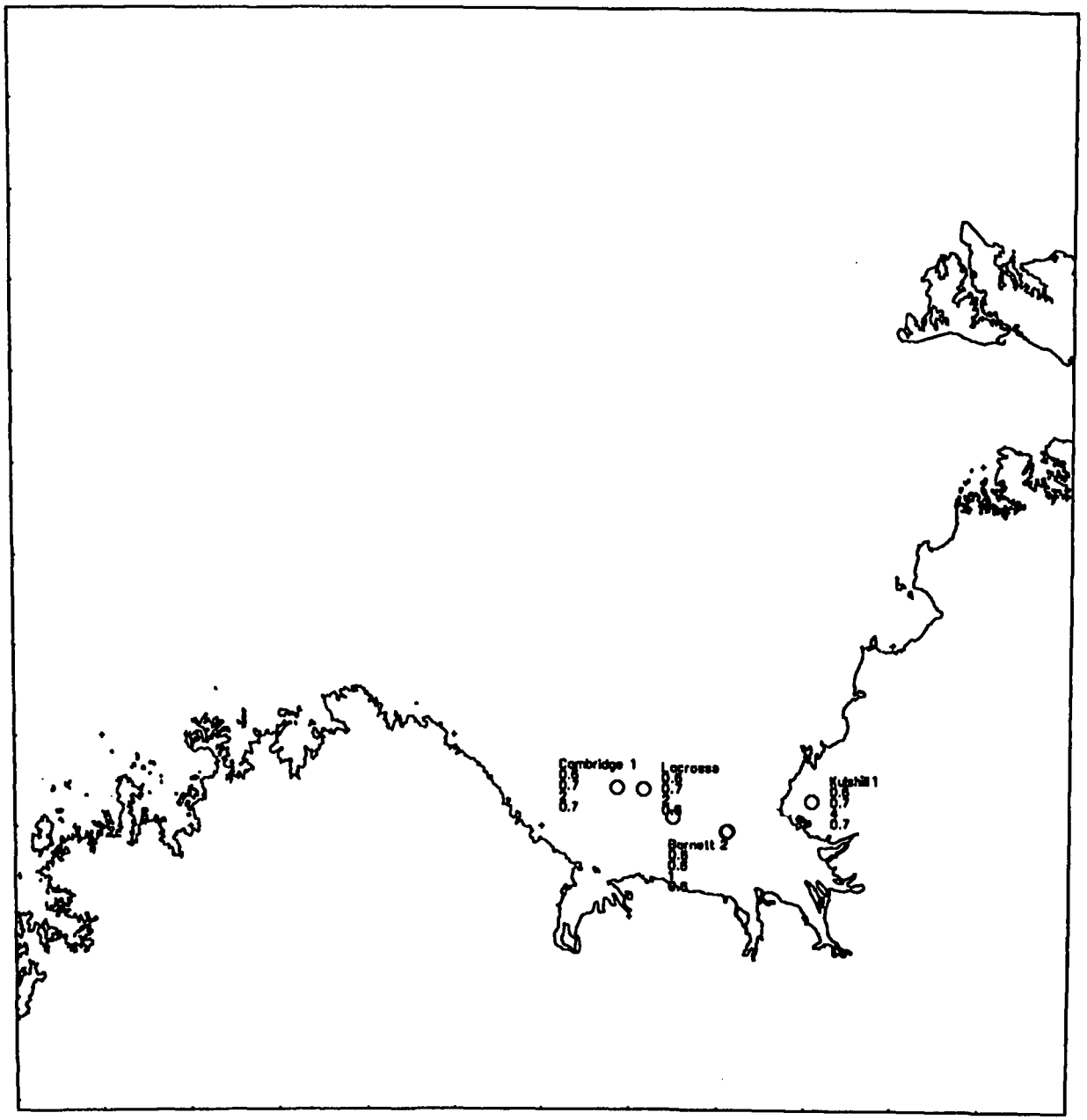
Crb5-6

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

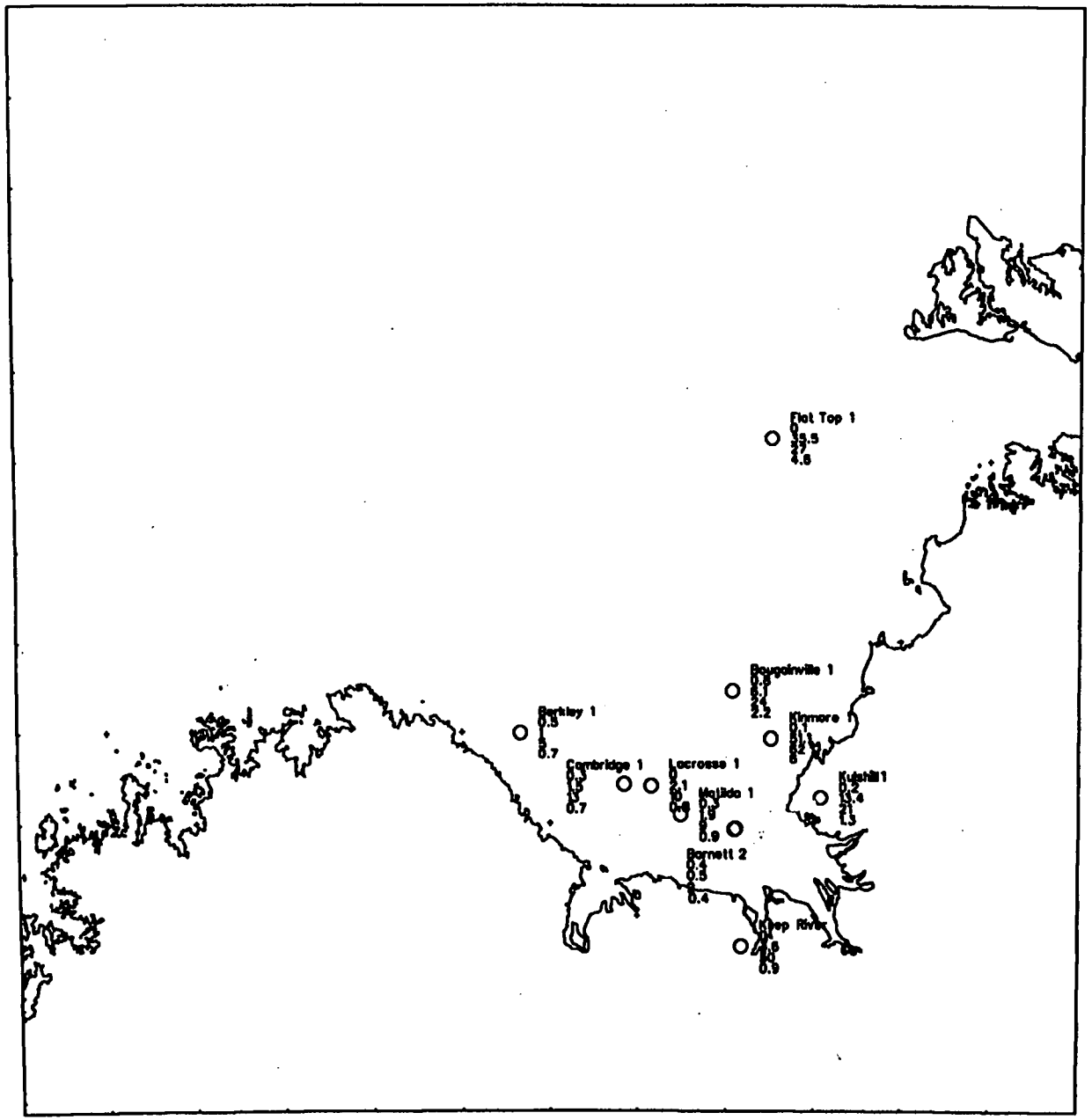
Crb5-6

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

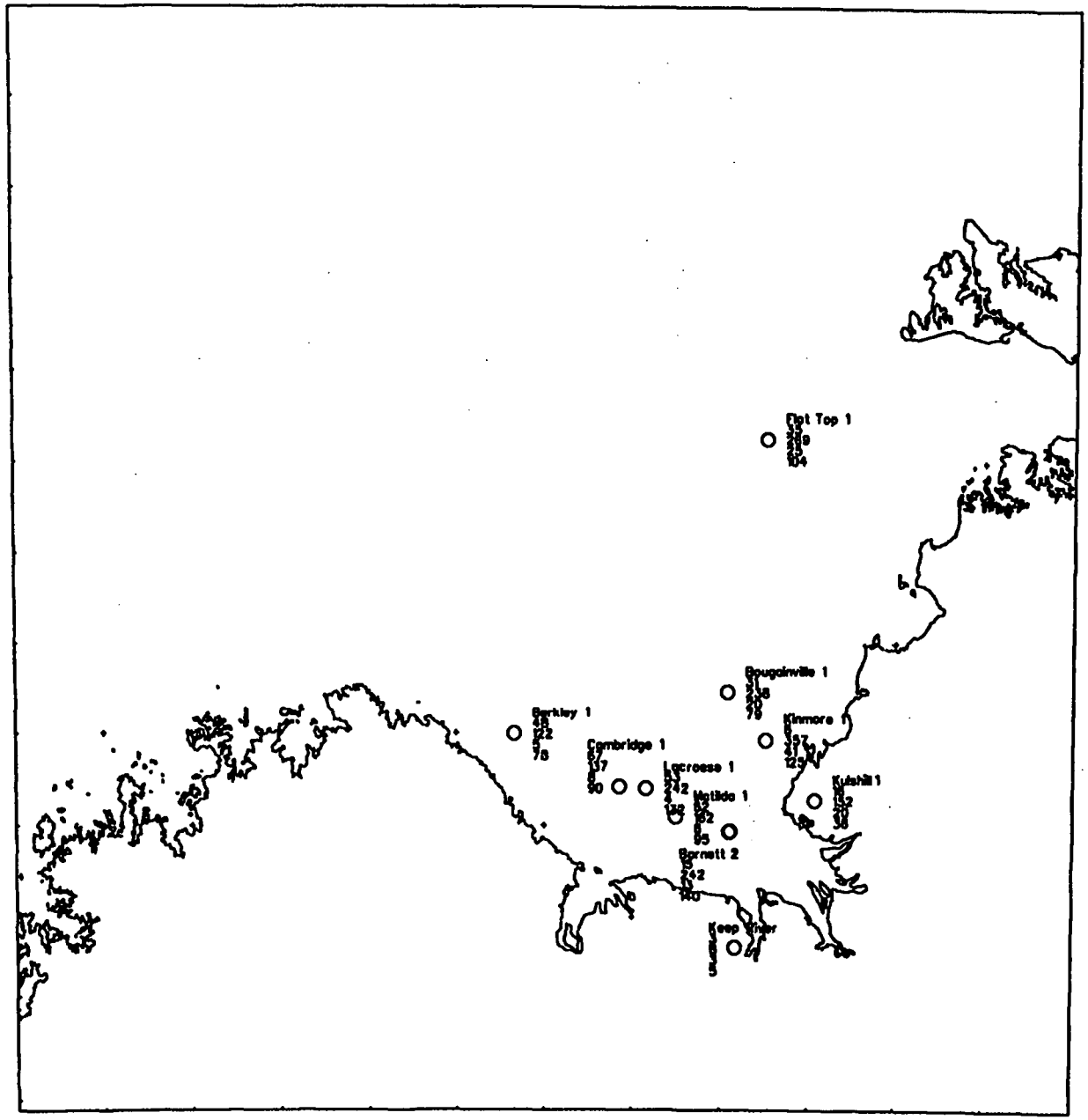
P1

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

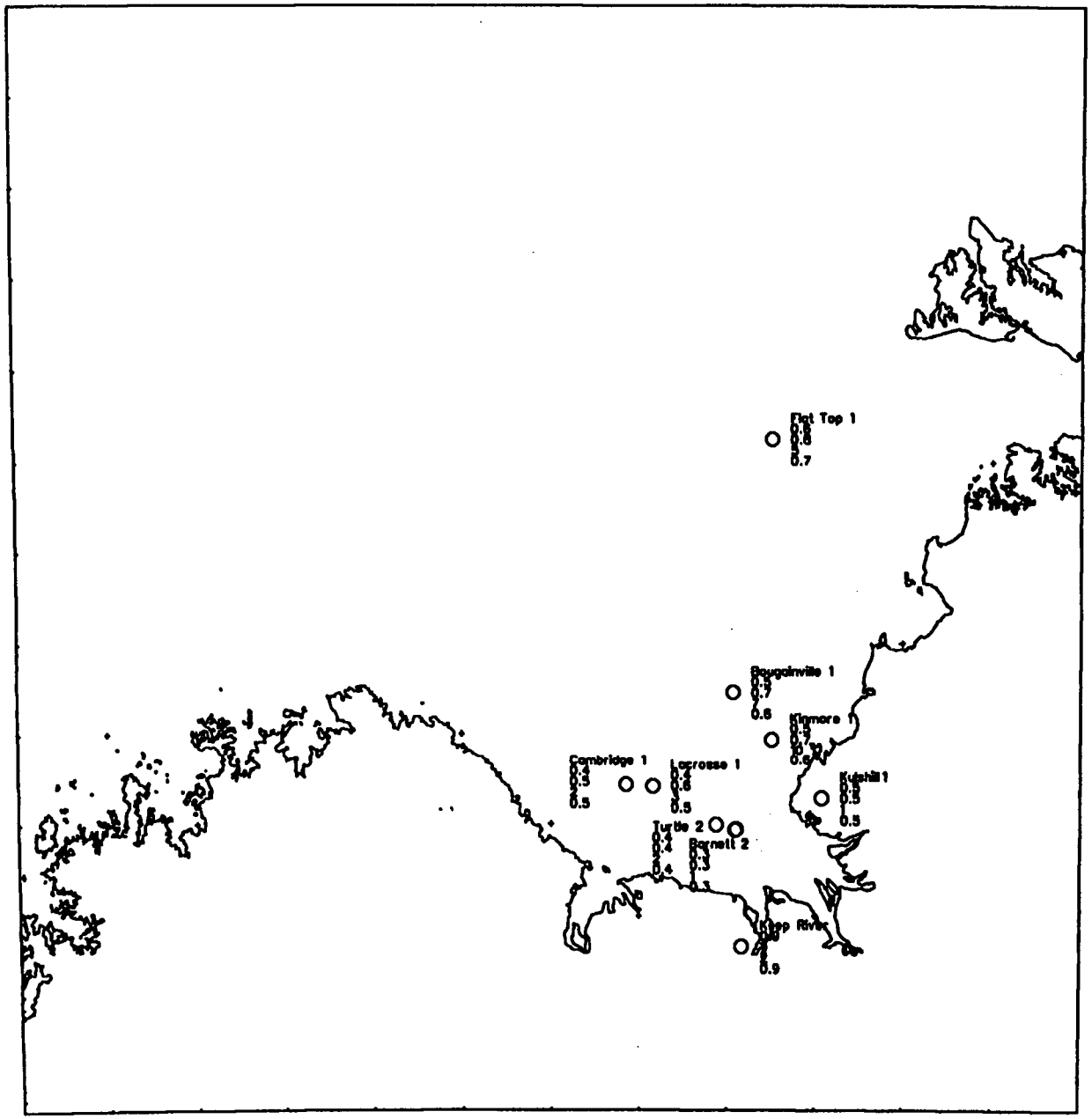
P1

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

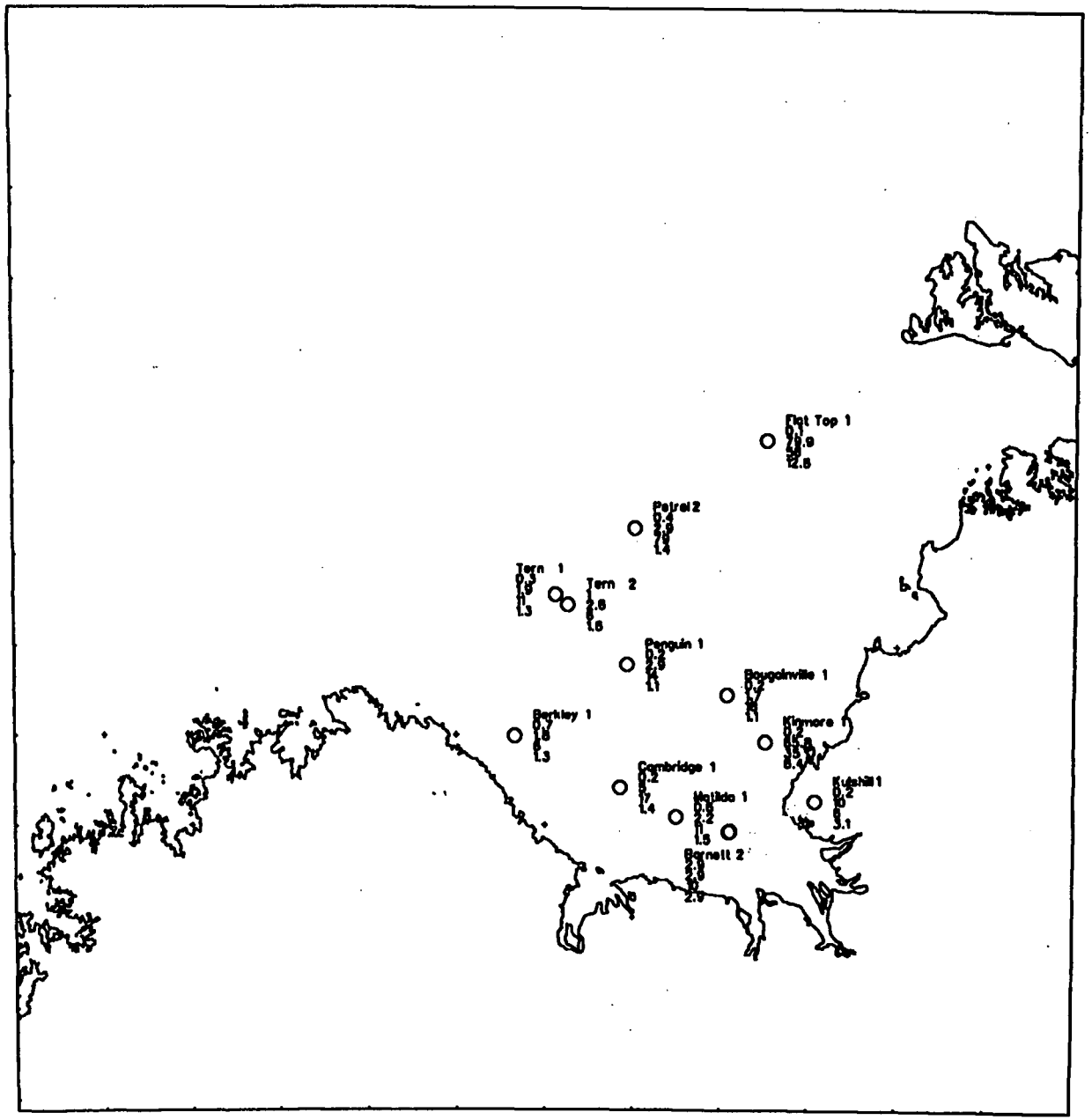
P1

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

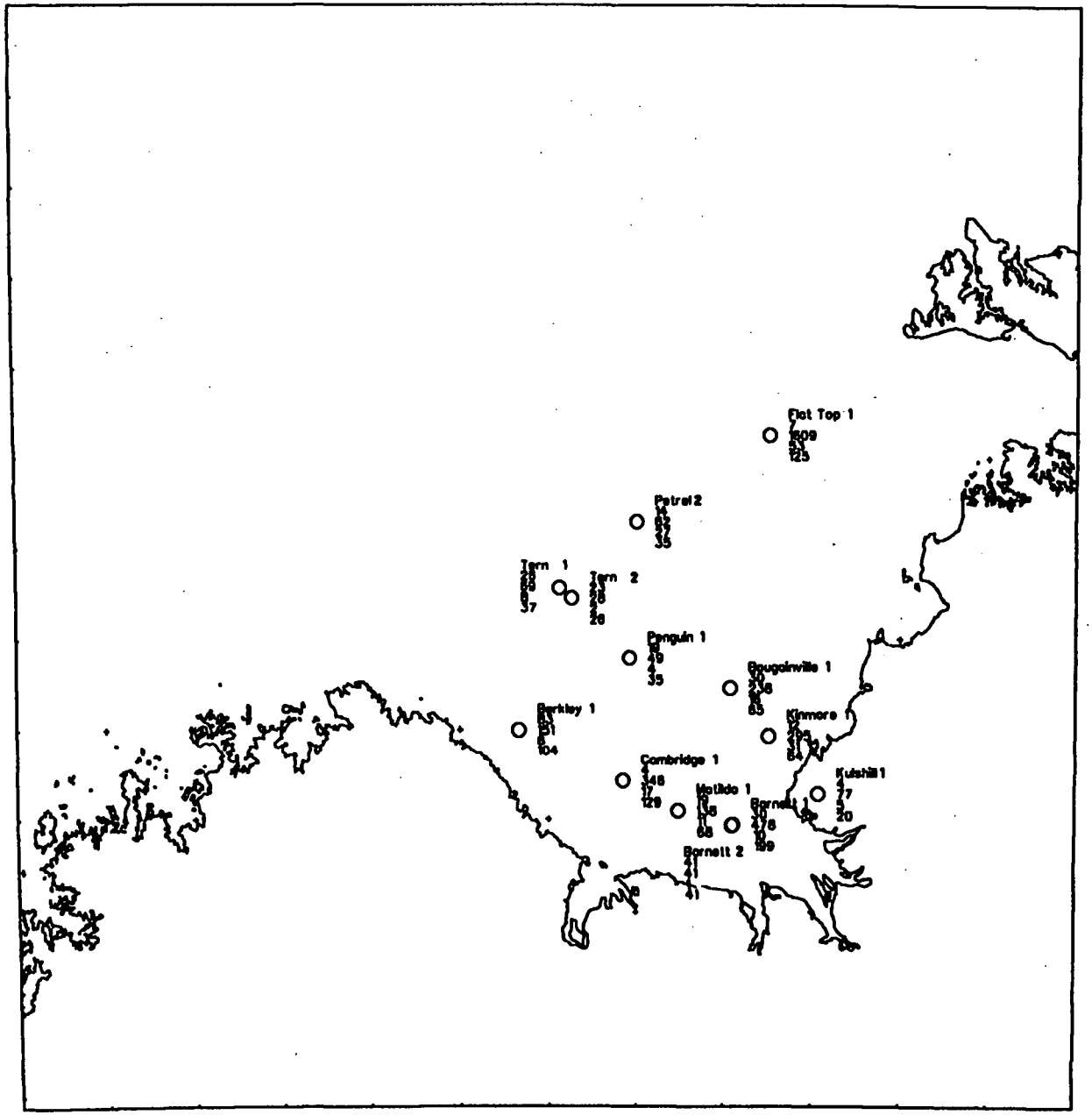
P2-4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

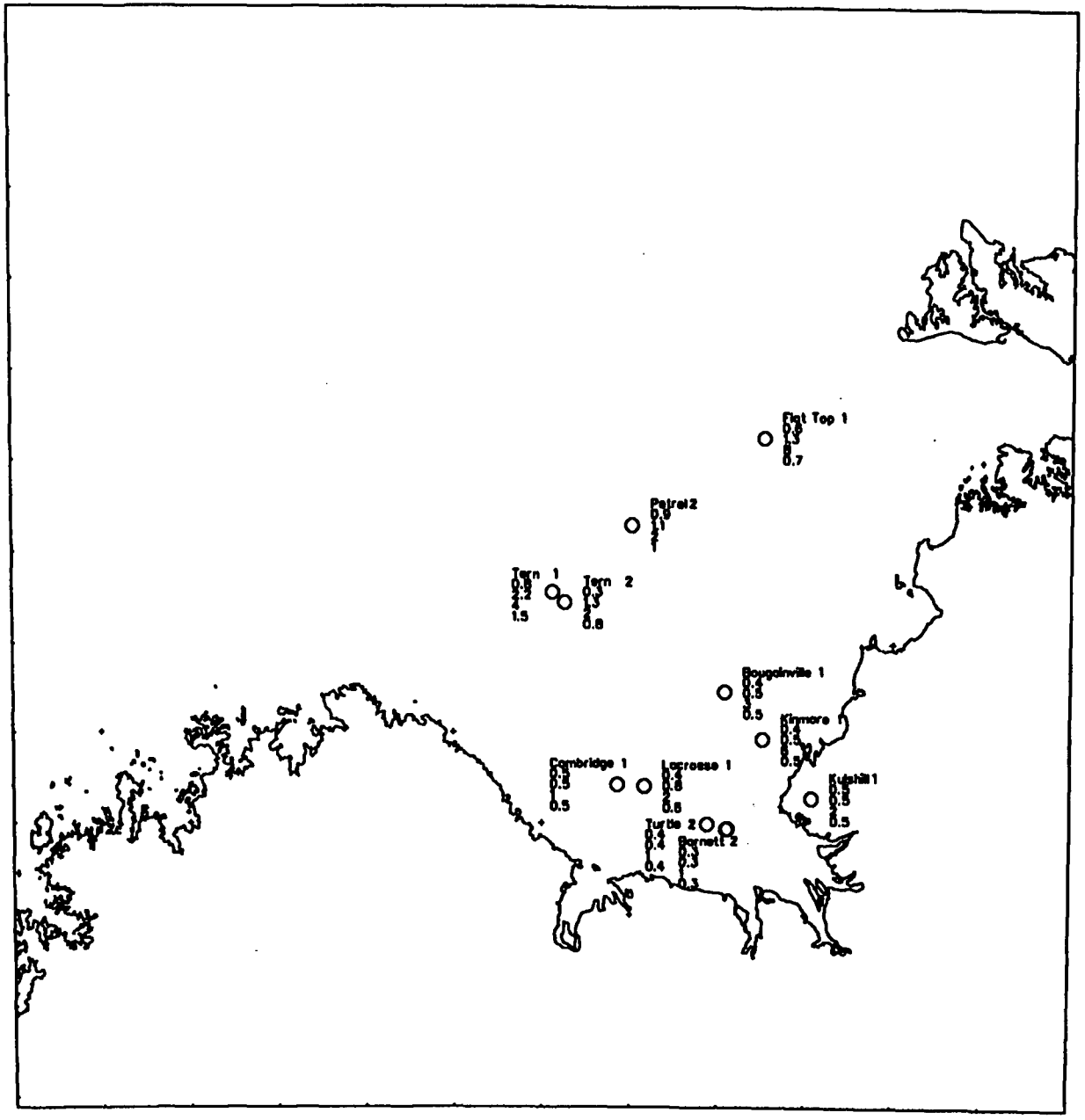
P2-4

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

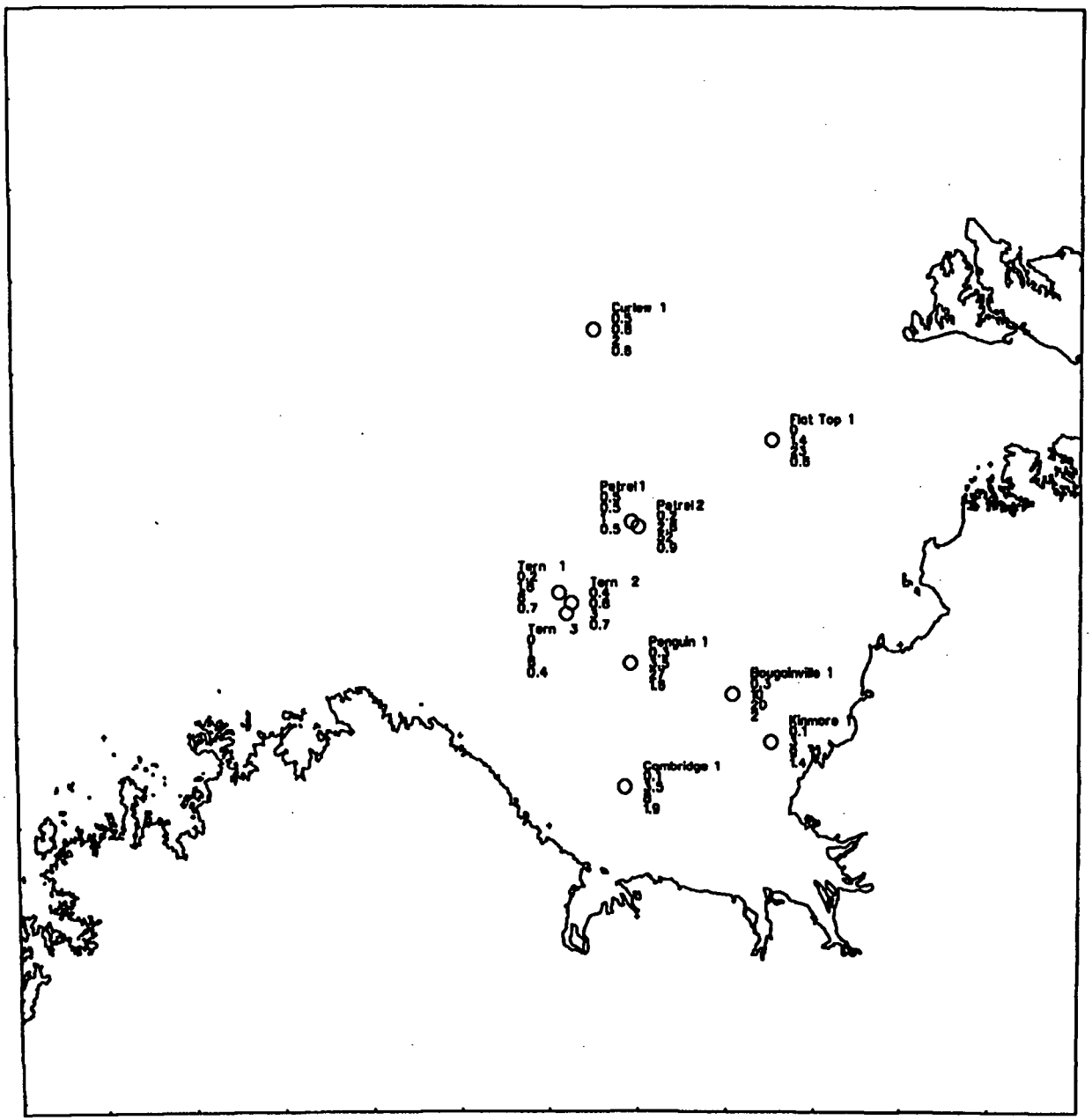
P2-4

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

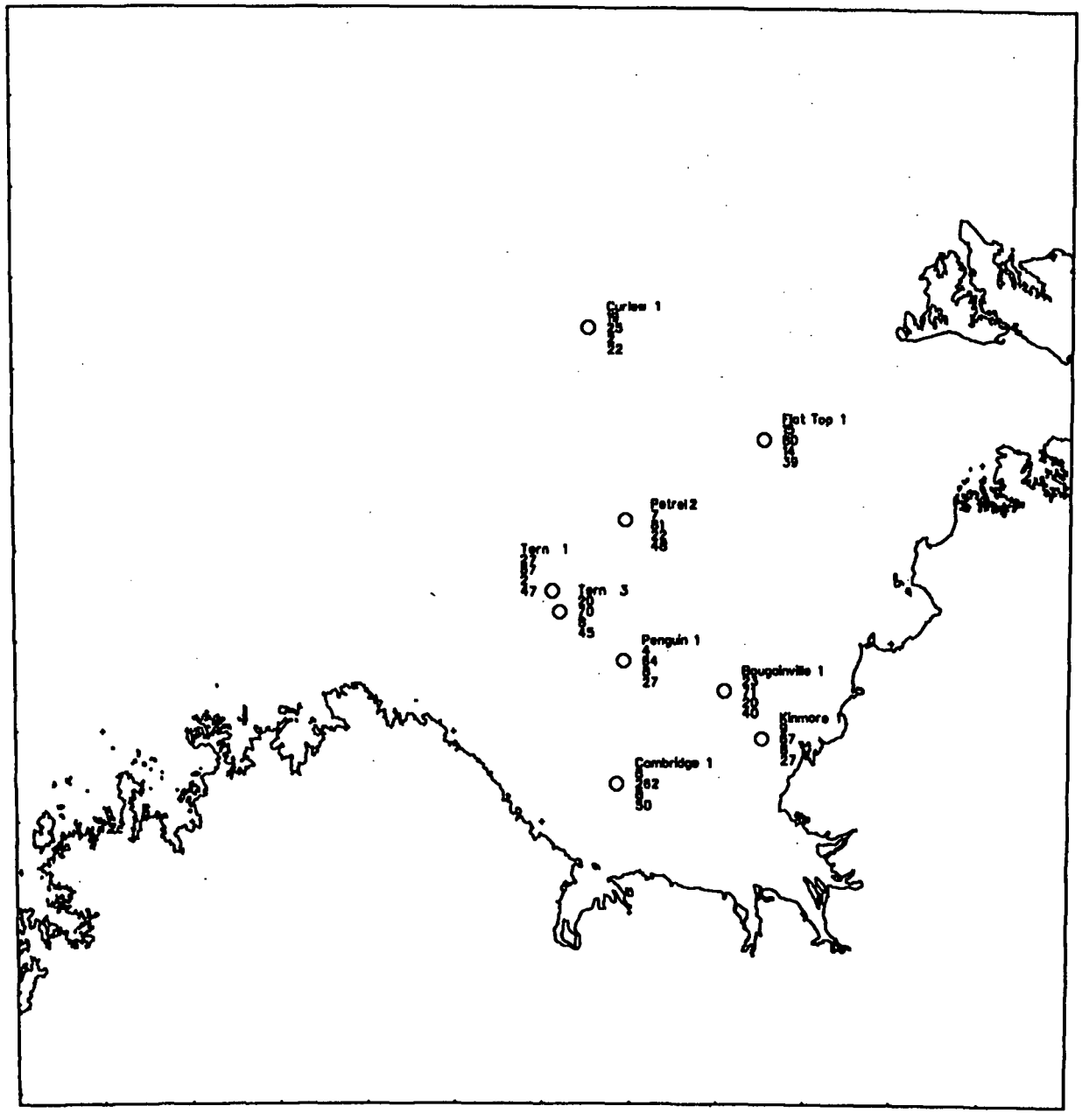
P5-7

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

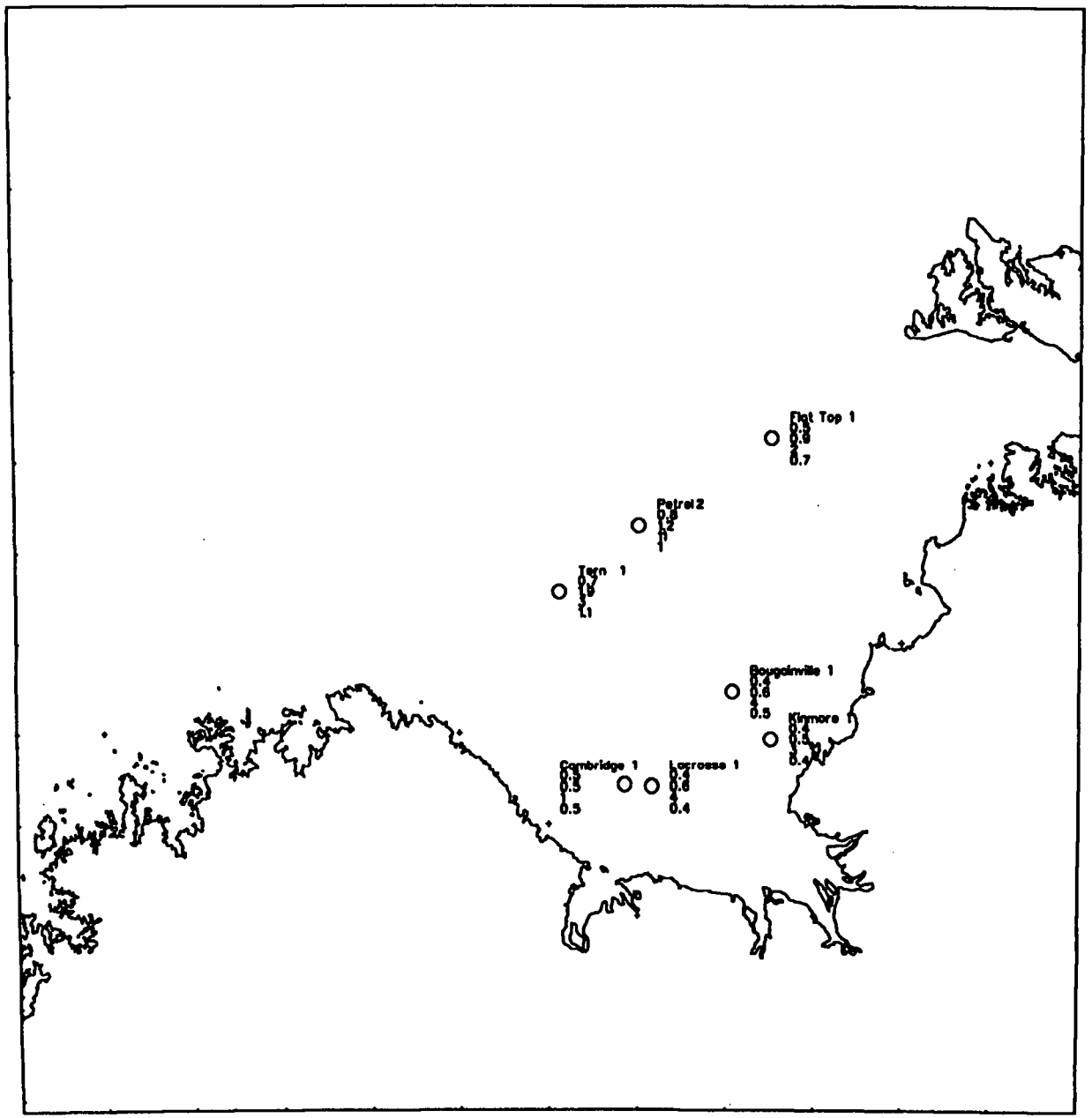
P5-7

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

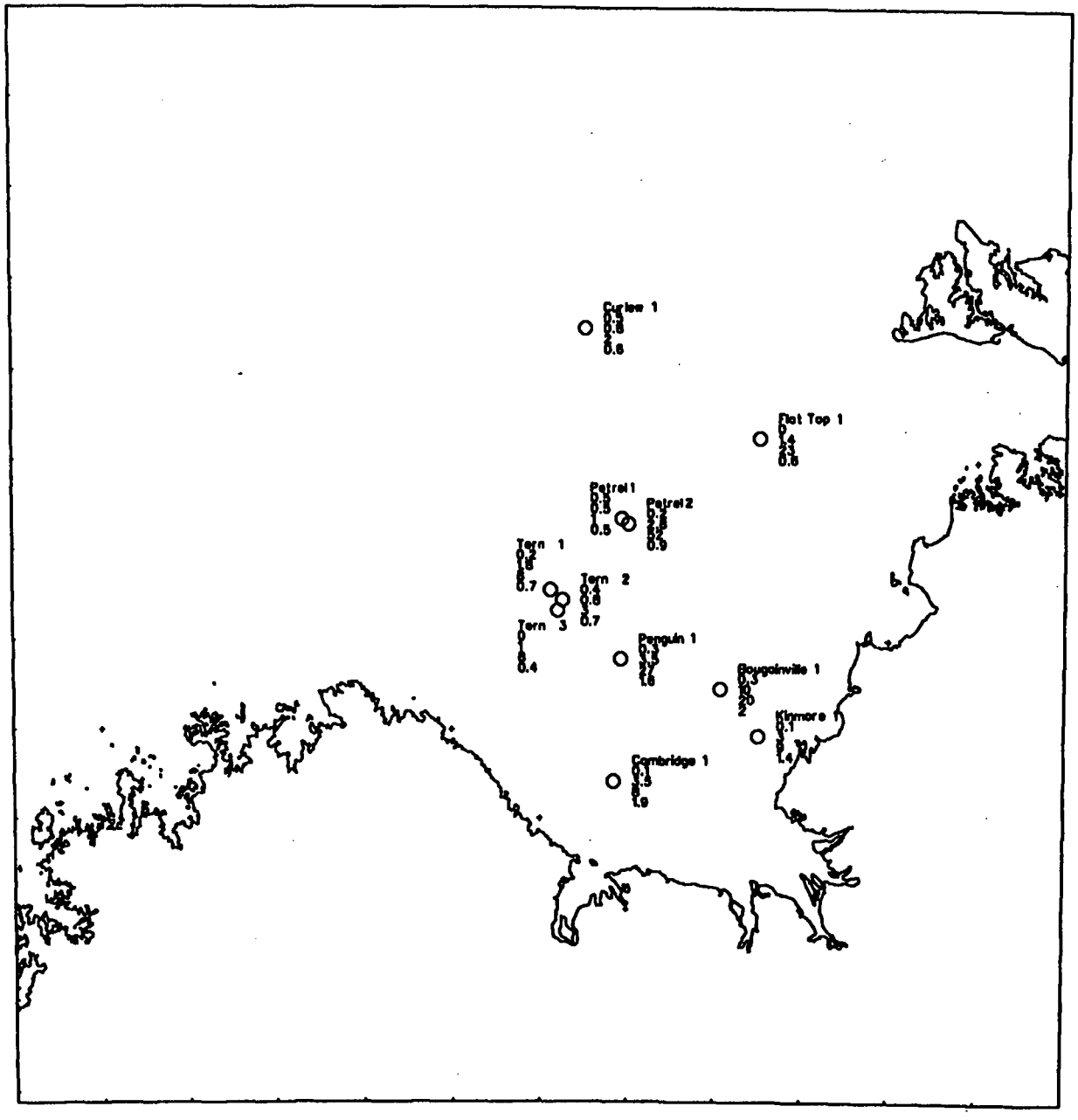
P5-7

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

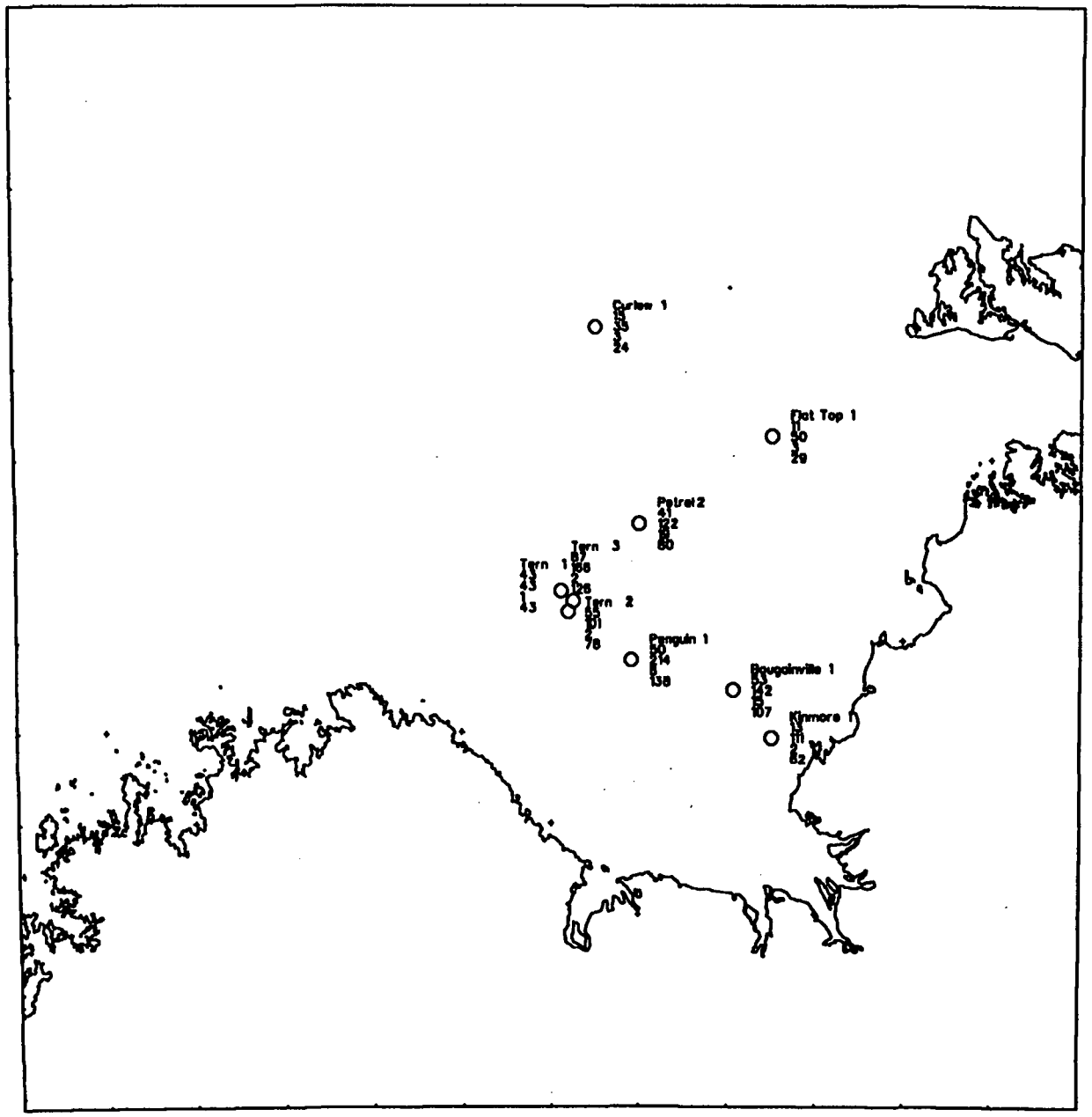
Tr1-2

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

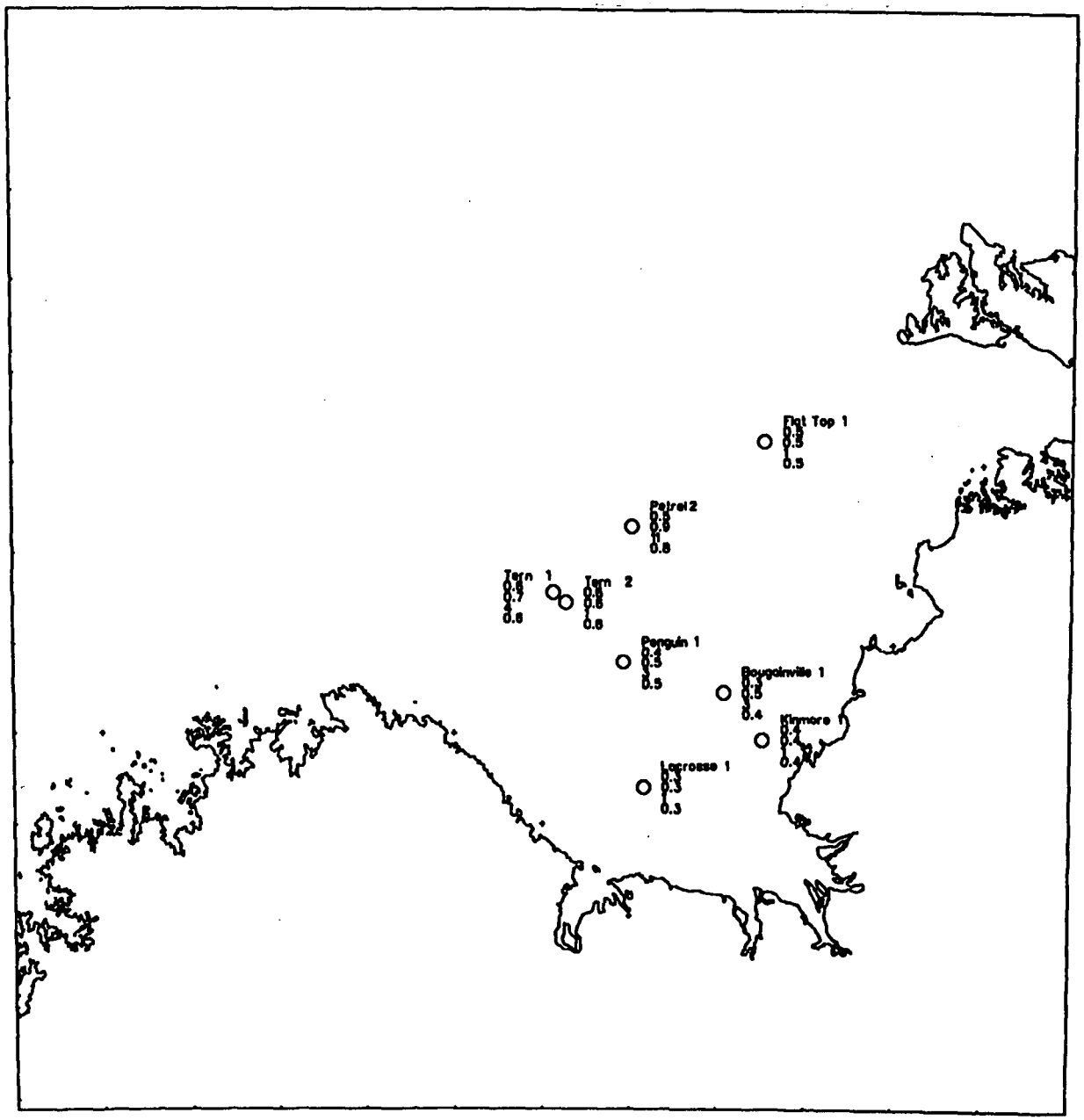
TIMESLICE

Tr1-2

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

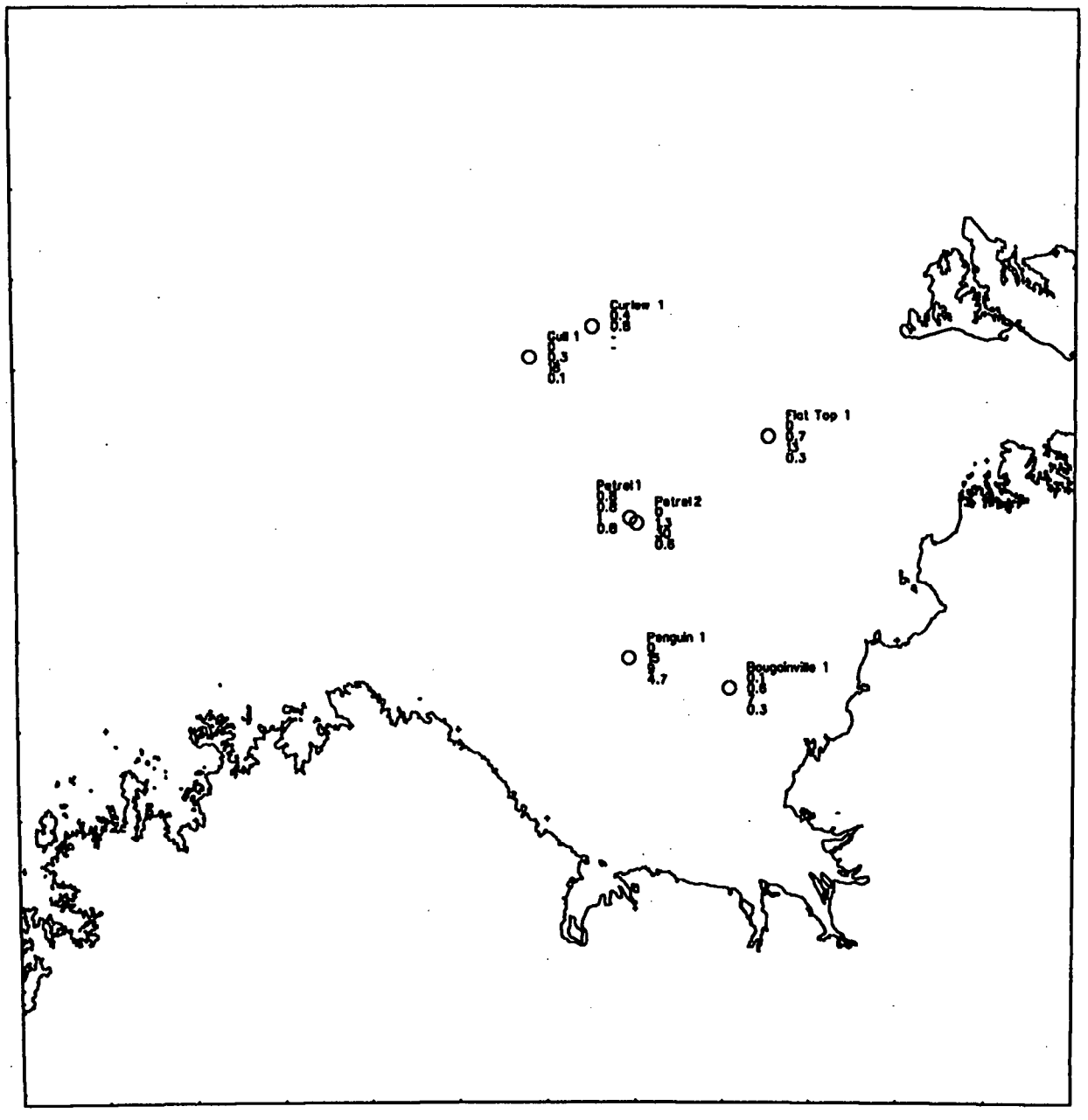
VR

TIMESLICE
Tr1-2

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

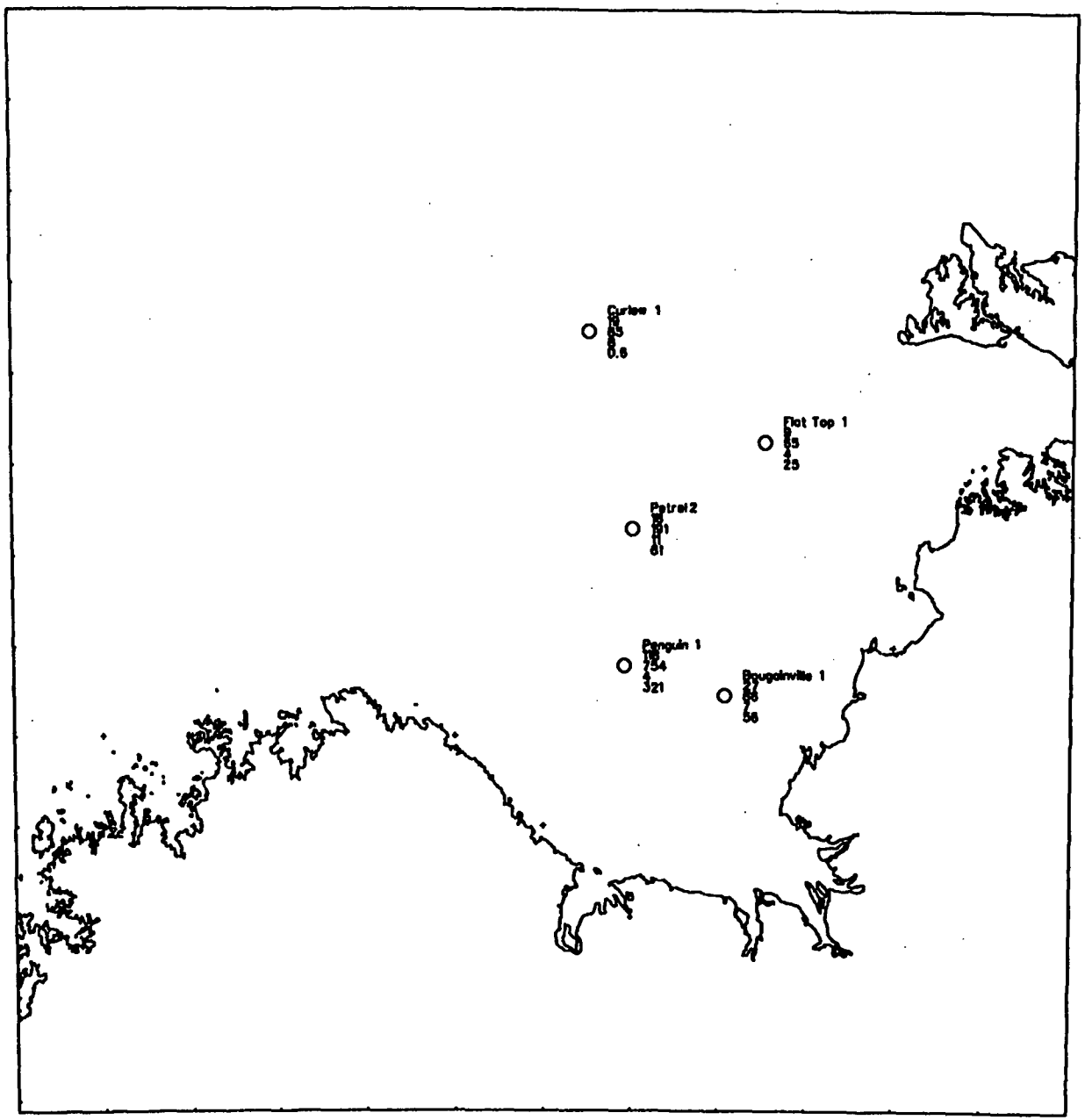
Tr3-6

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

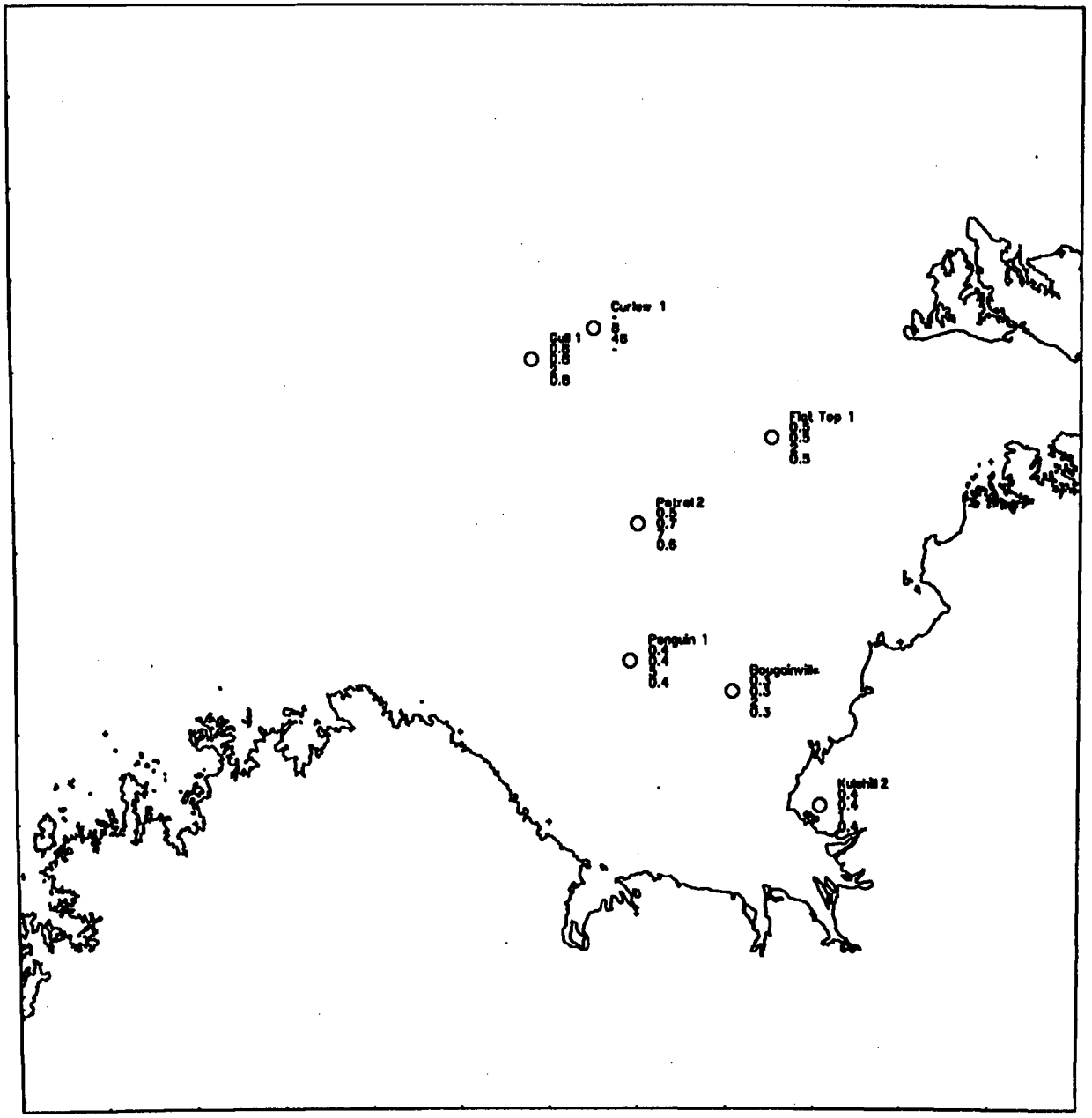
Tr3-6

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

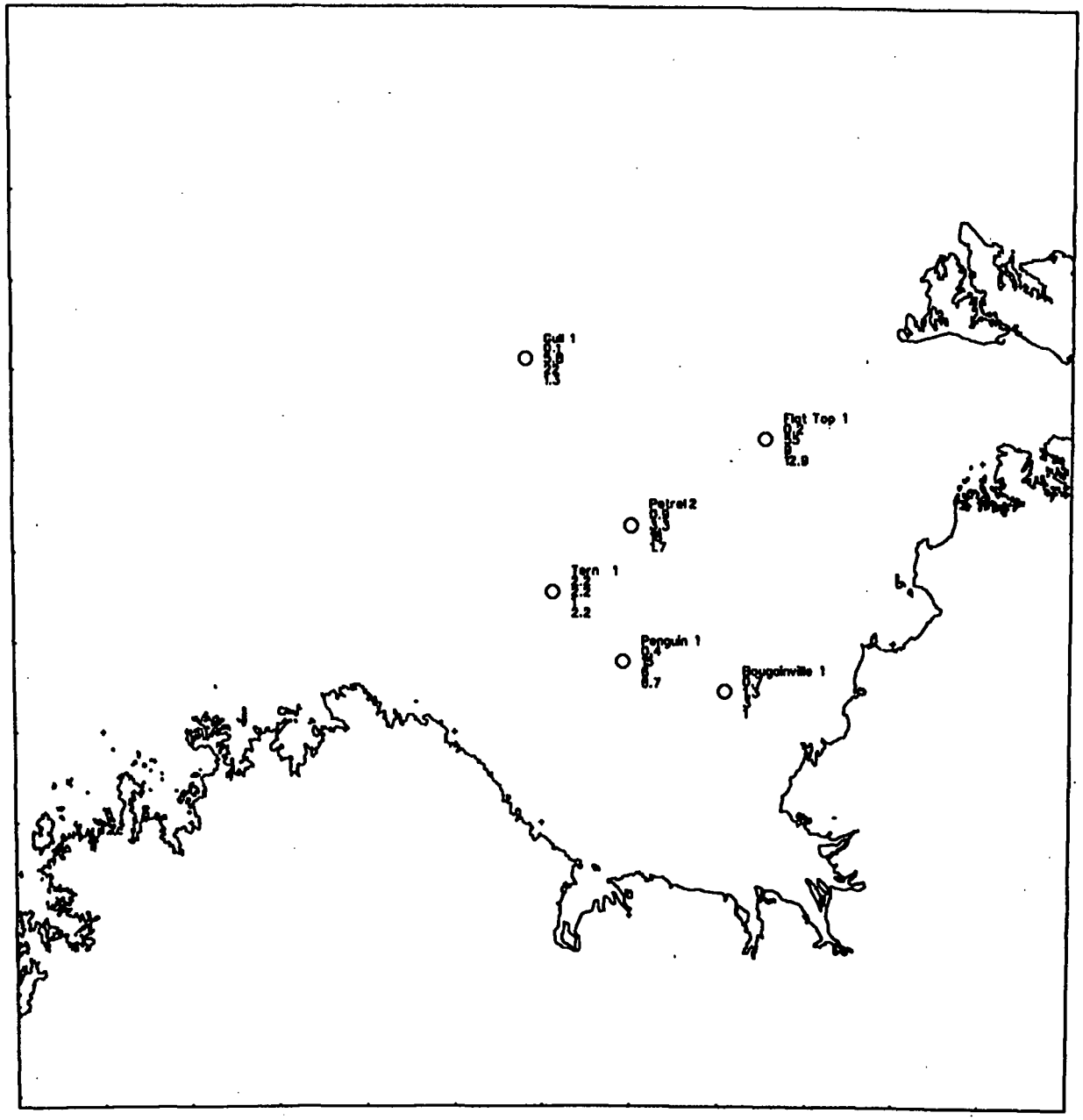
Tr3-6

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

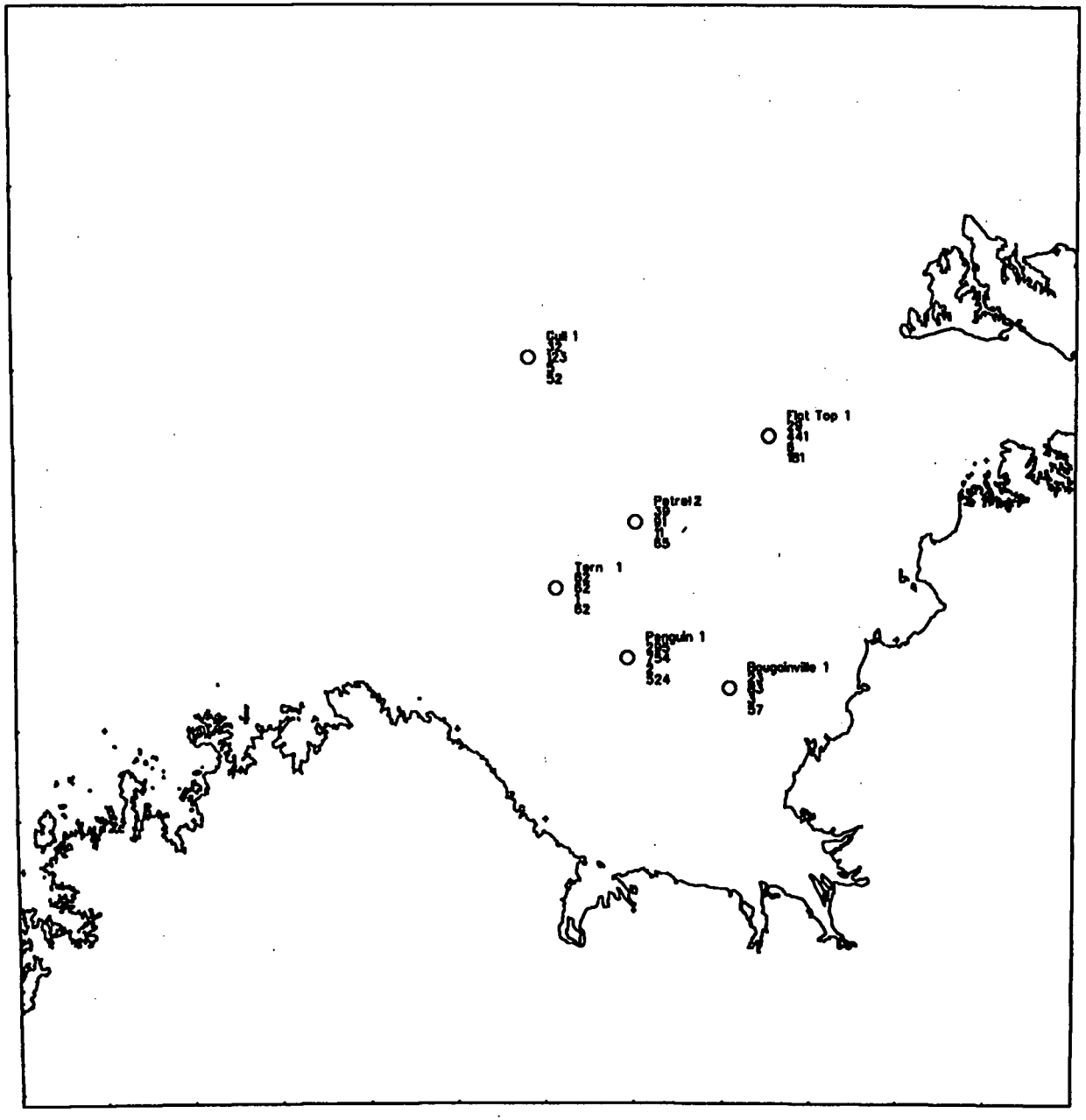
J1-J5

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

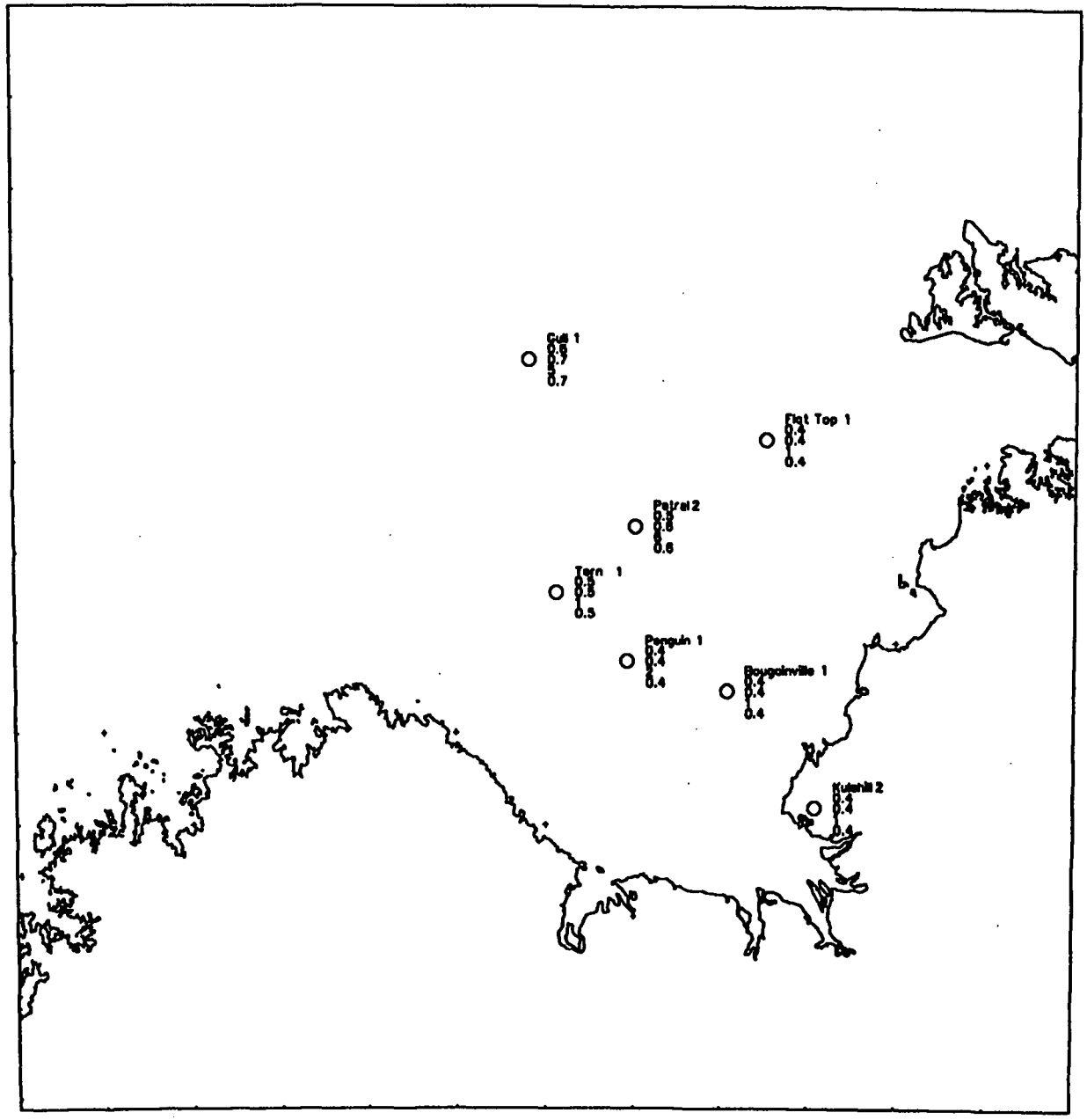
J1-J5

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

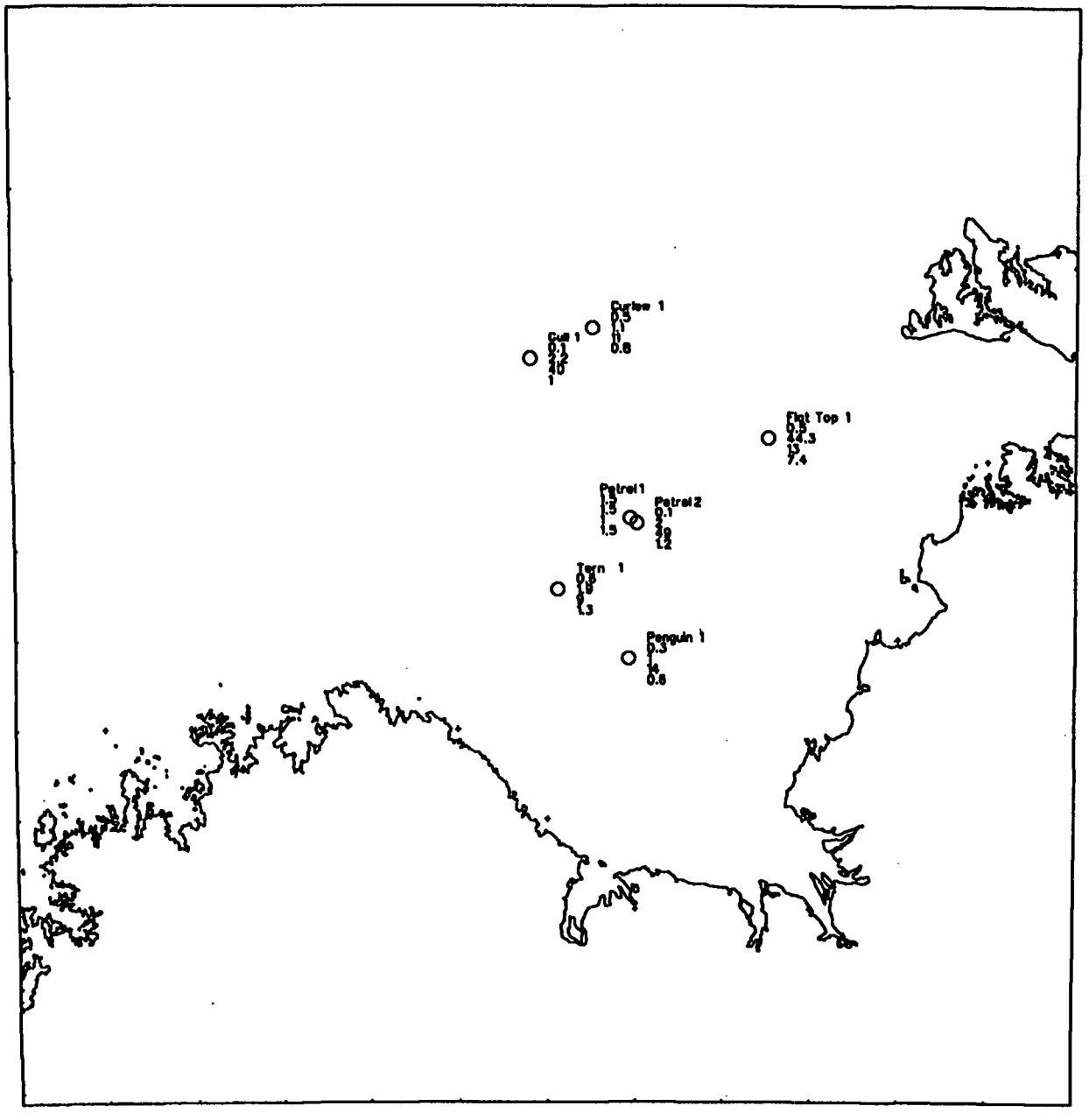
J1-J5

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

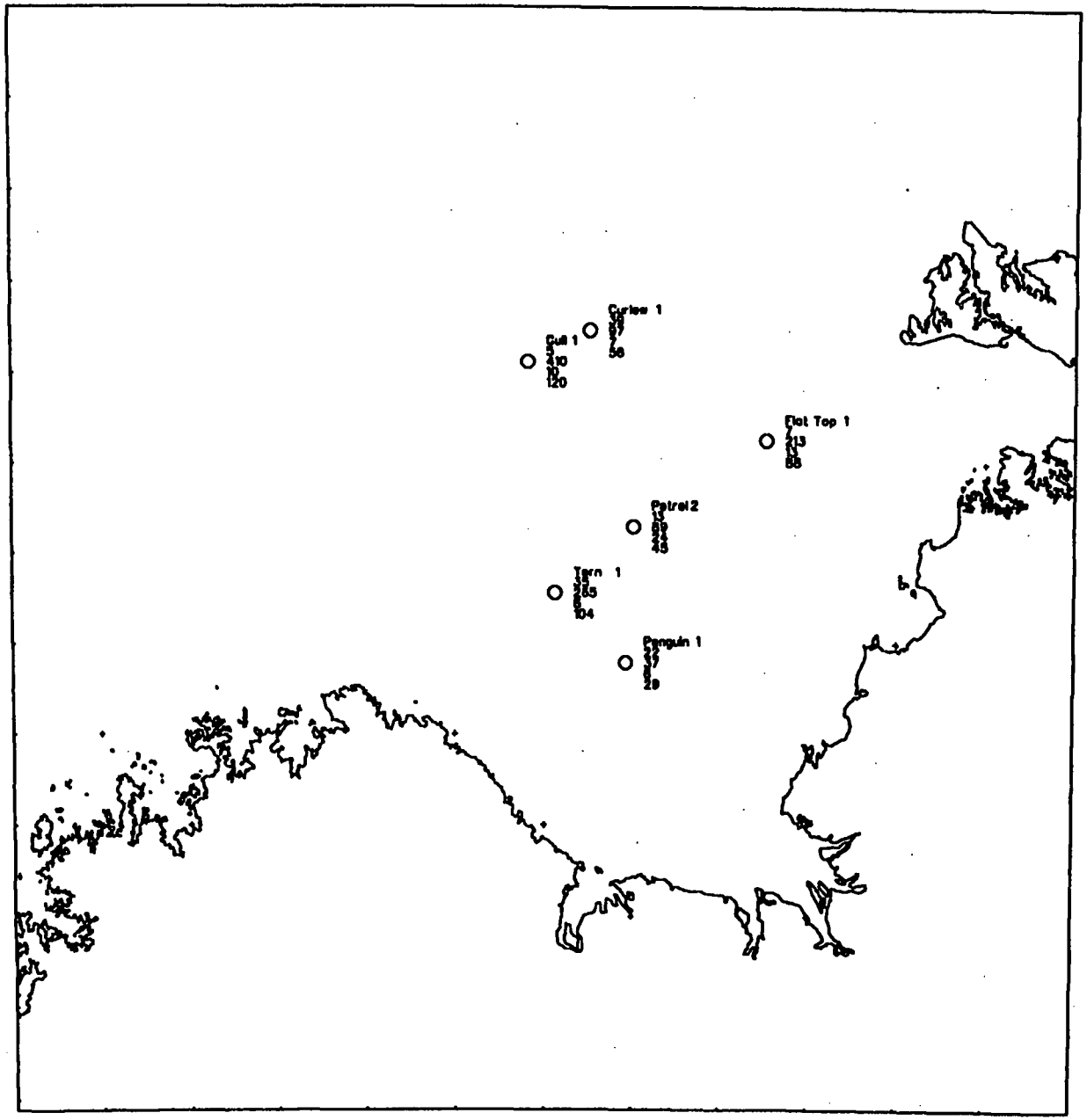
J6-K2

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

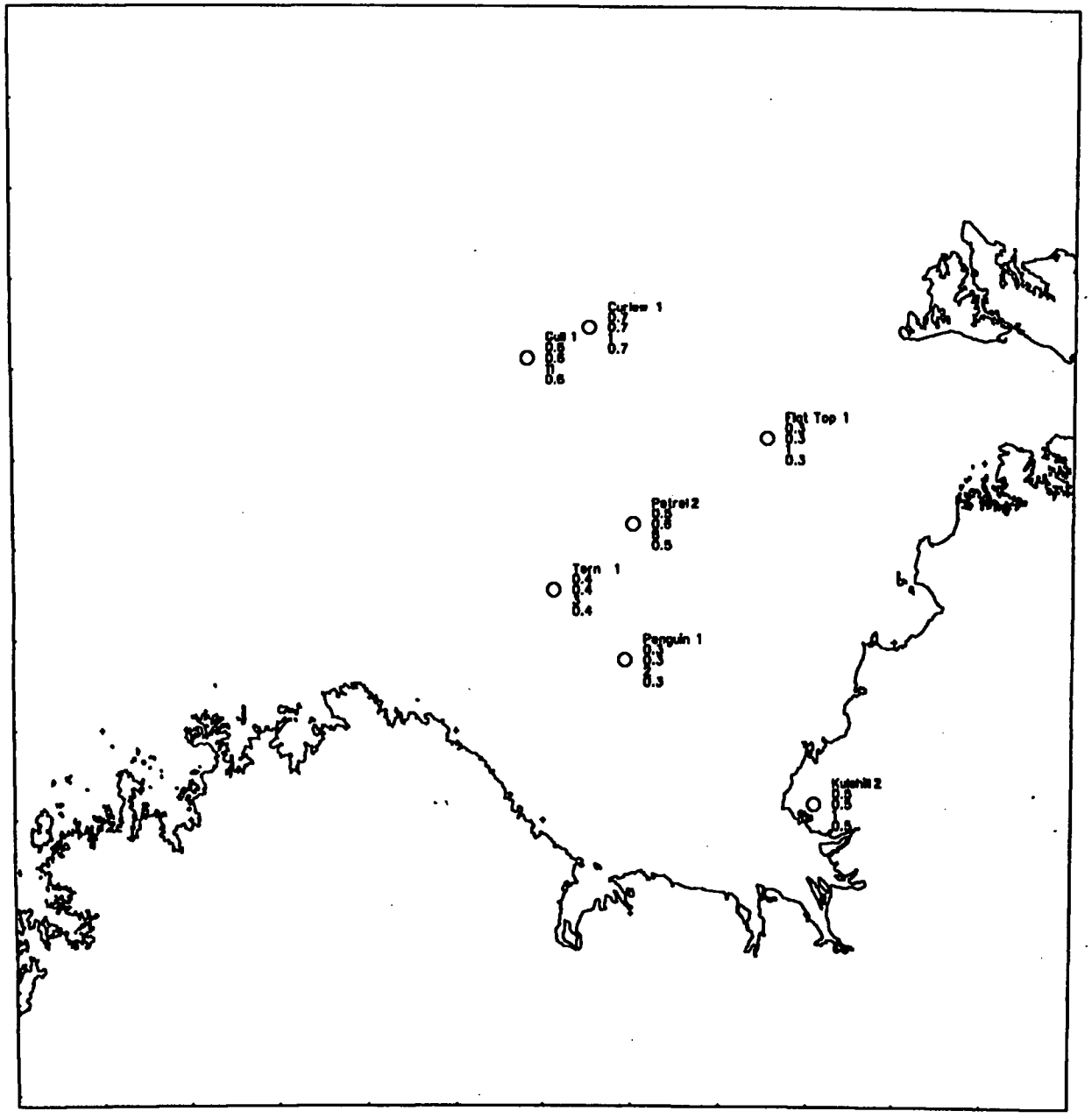
HI

TIMESLICE
J6-K2

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

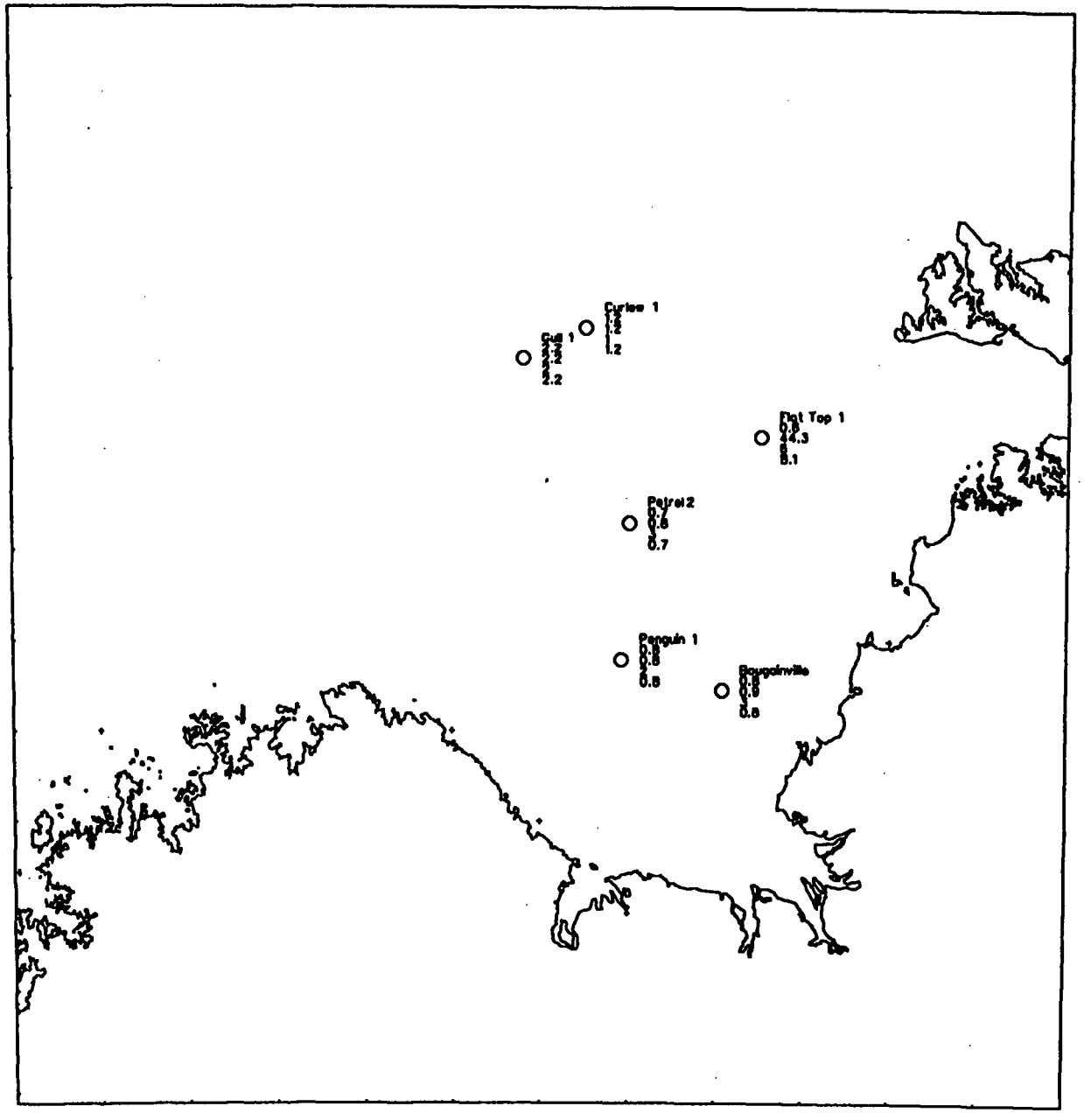
J6-K2

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

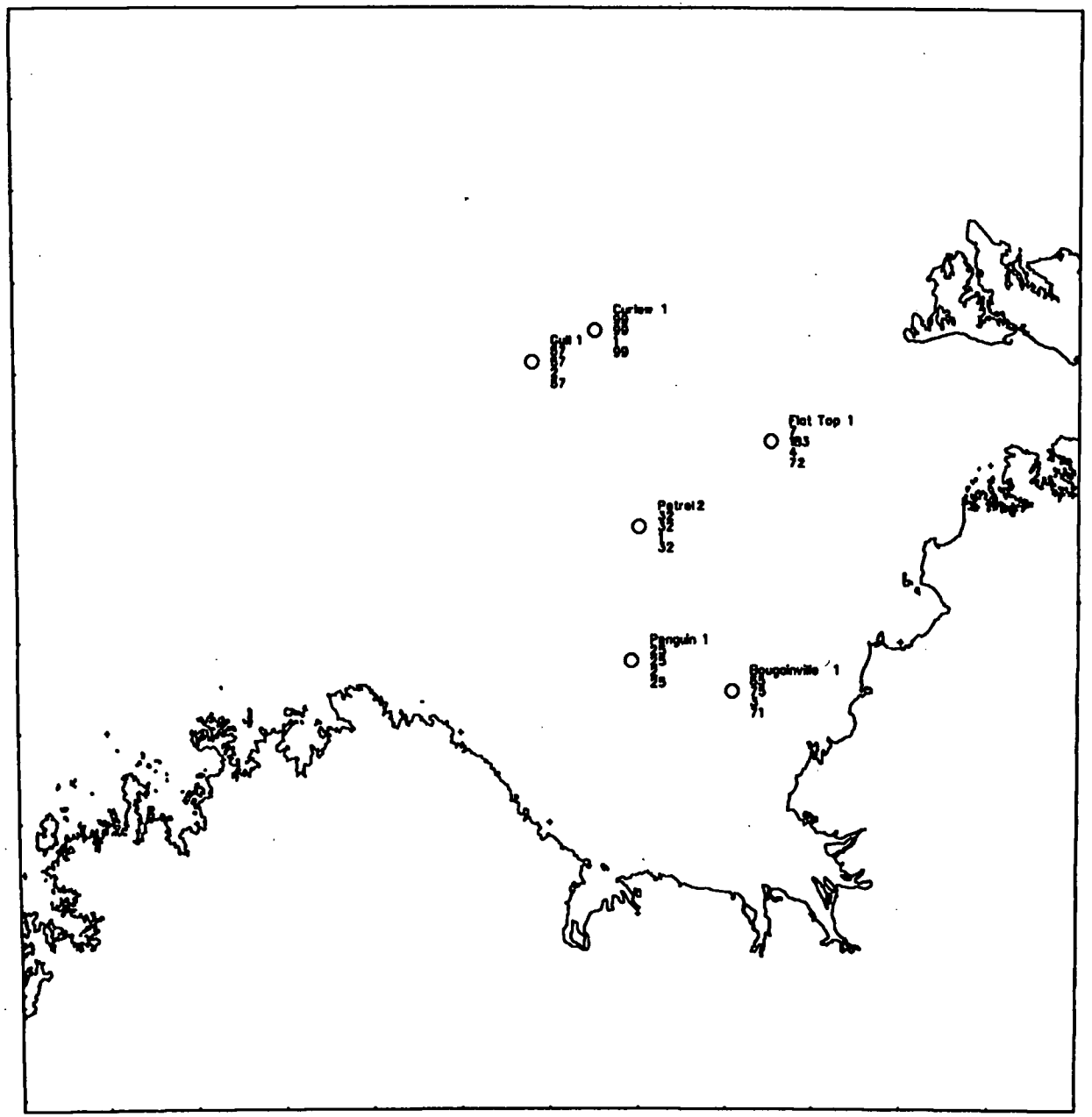
K3-K4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO
AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

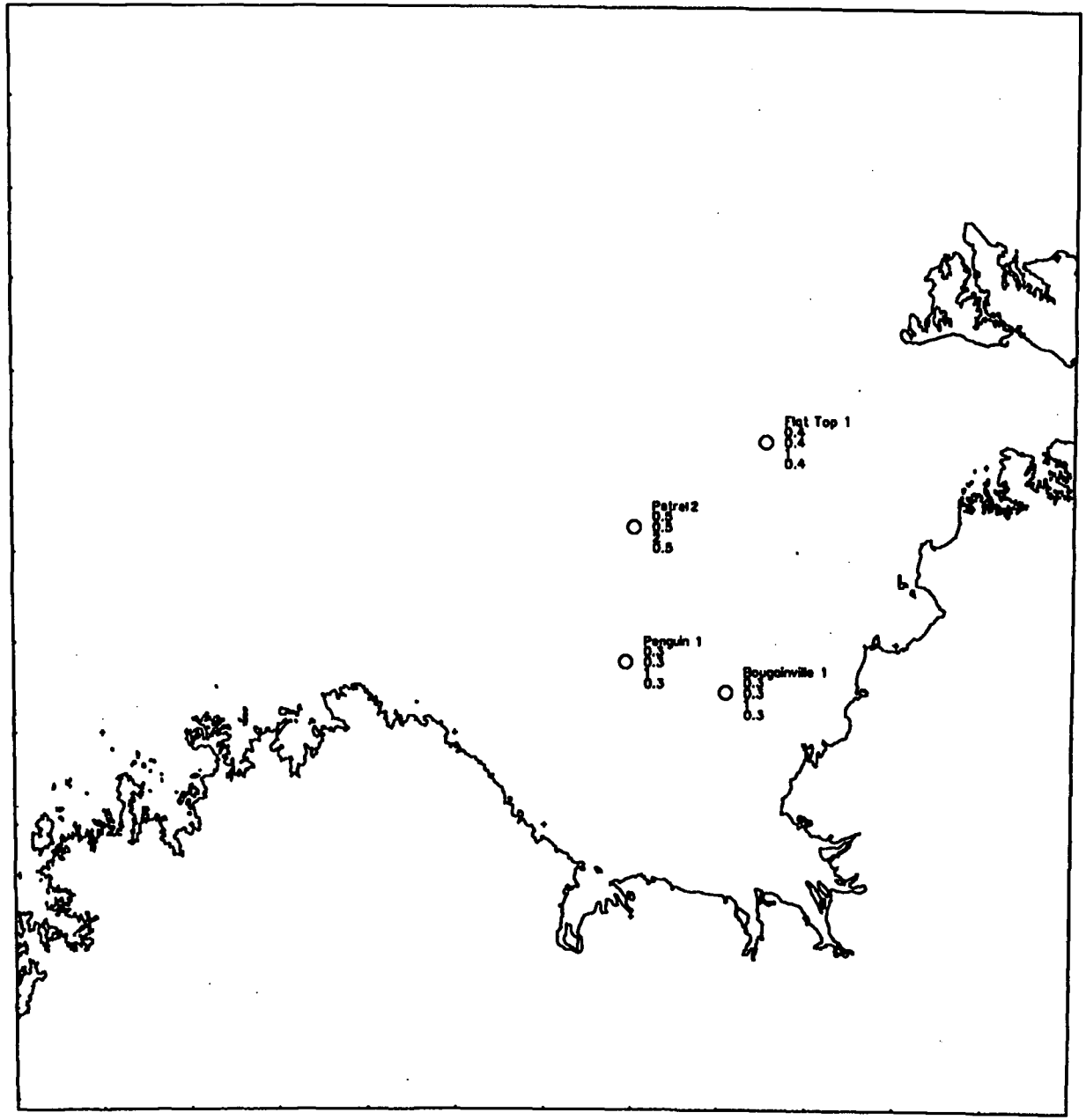
HI

TIMESLICE
K3-K4

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100
KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

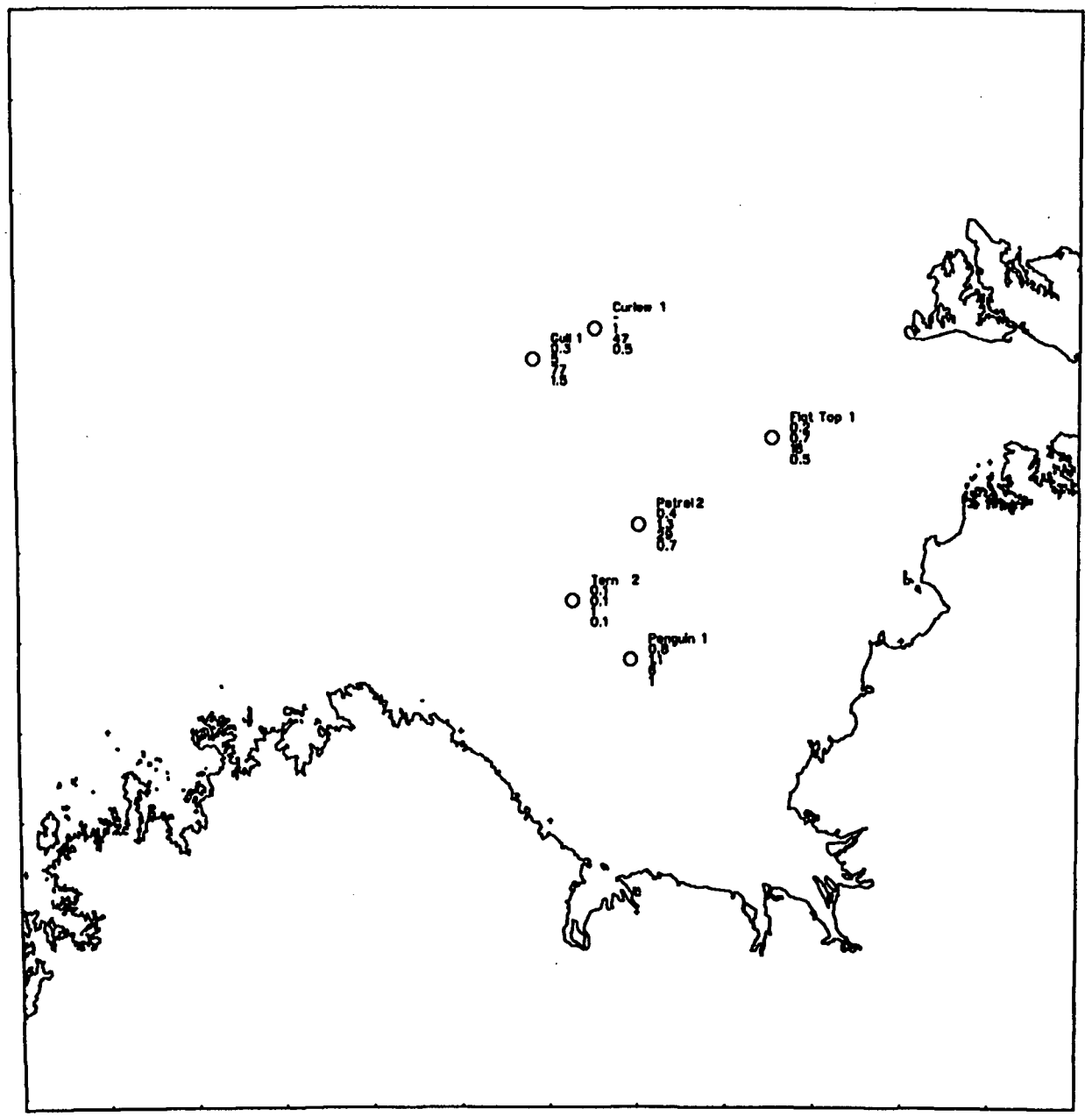
K3-K4

O 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

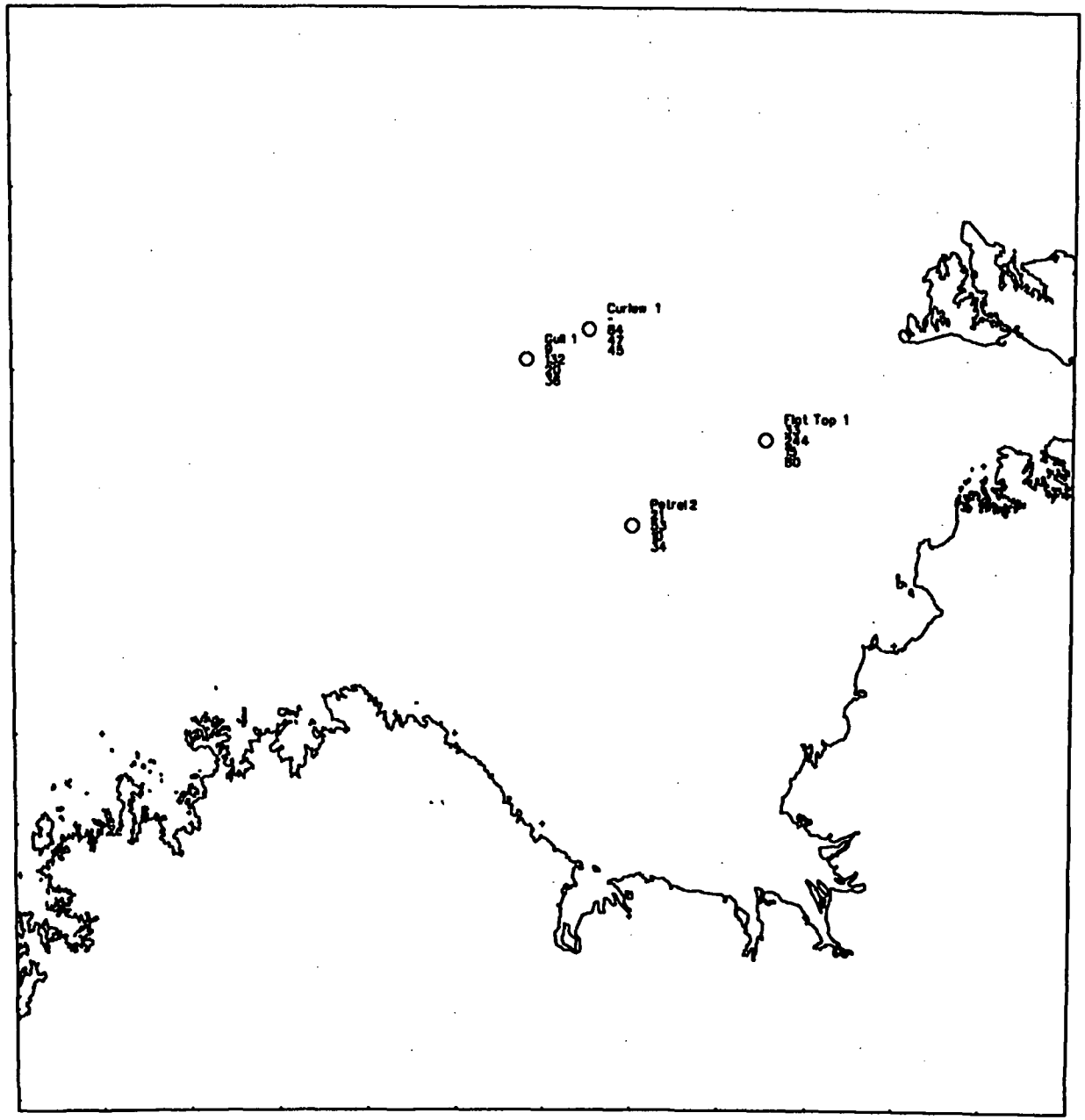
K5-K11

○ 0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

HI

TIMESLICE

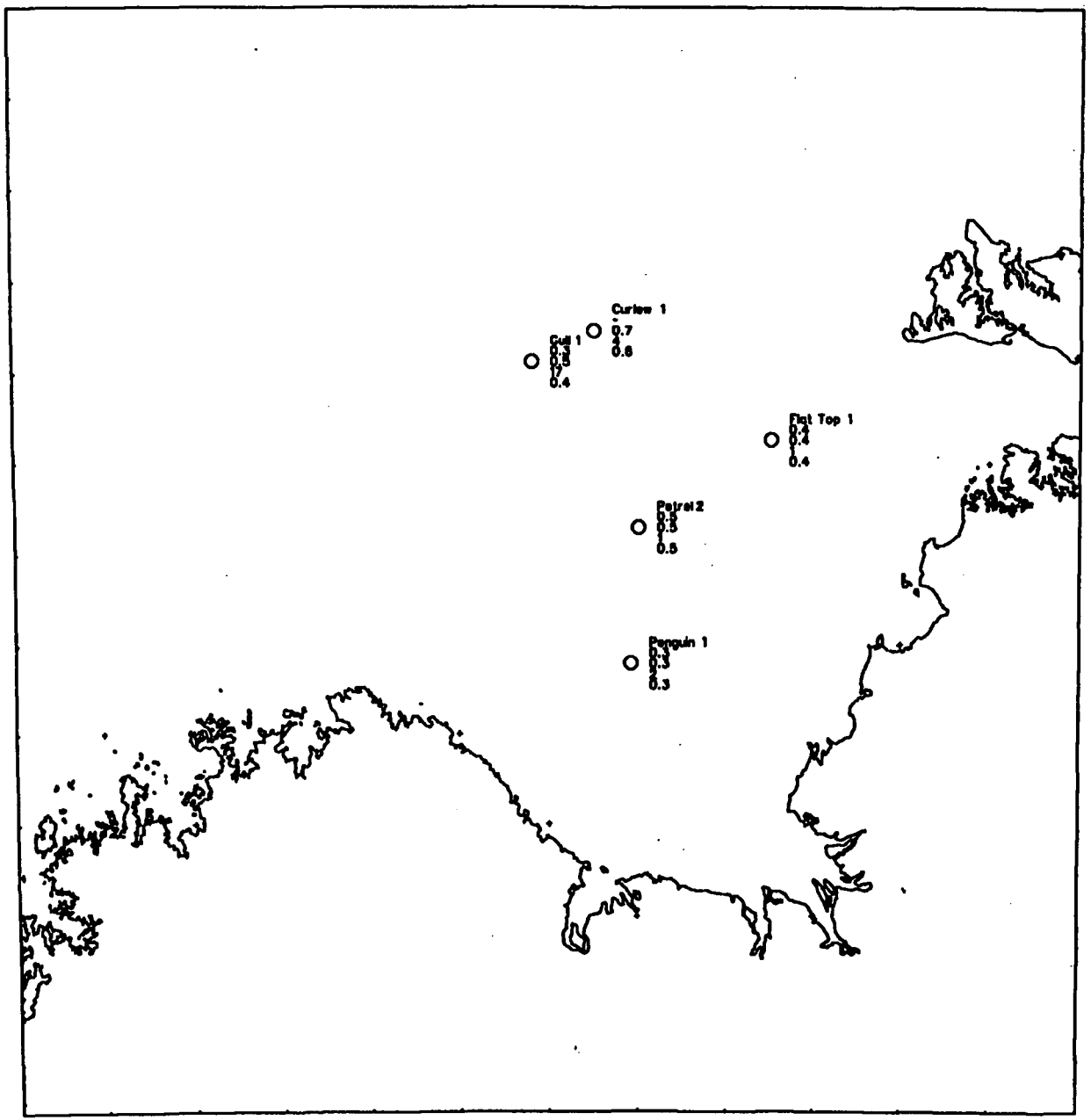
K5-K11

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

VR

TIMESLICE

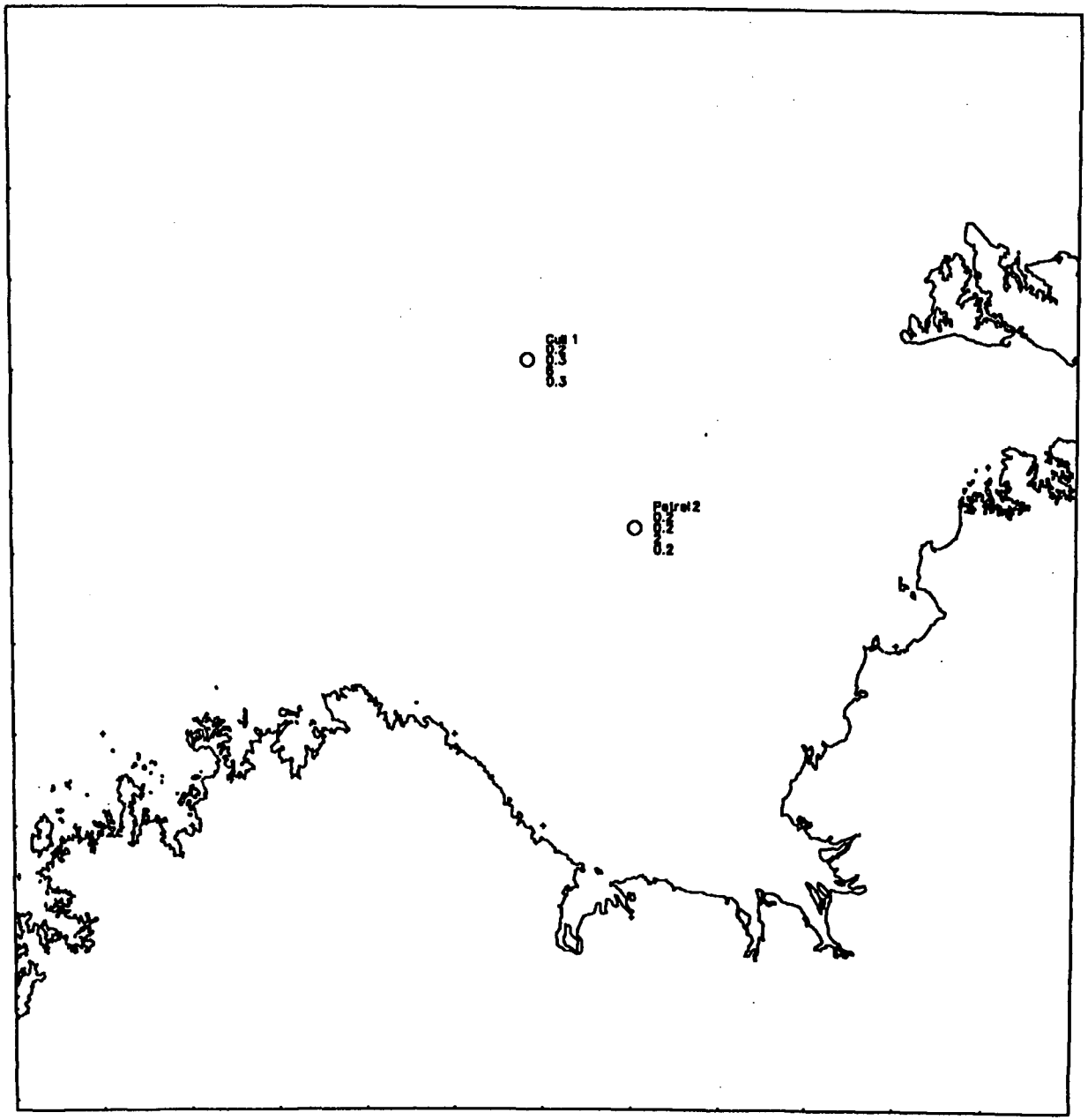
K5-K11

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

PETREL SUB-BASIN



AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

TOC

TIMESLICE

Cz1-7

0.38 MINIMUM VALUE
0.67 MAXIMUM VALUE
5 NO. OF SAMPLES
0.48 MEAN VALUE

0 100

KILOMETRES

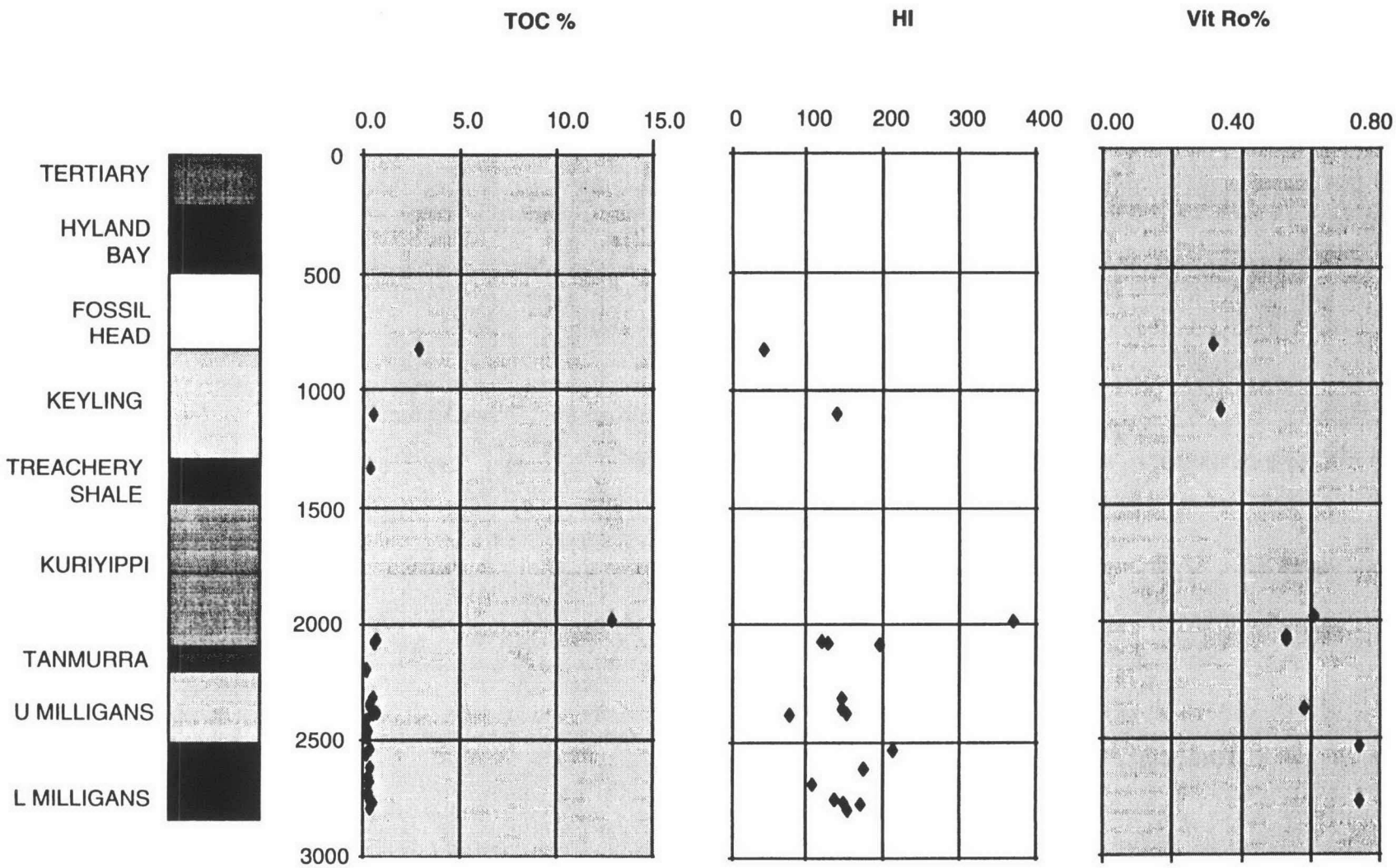
APPENDIX 7

WELL ORGCHEM PROFILES

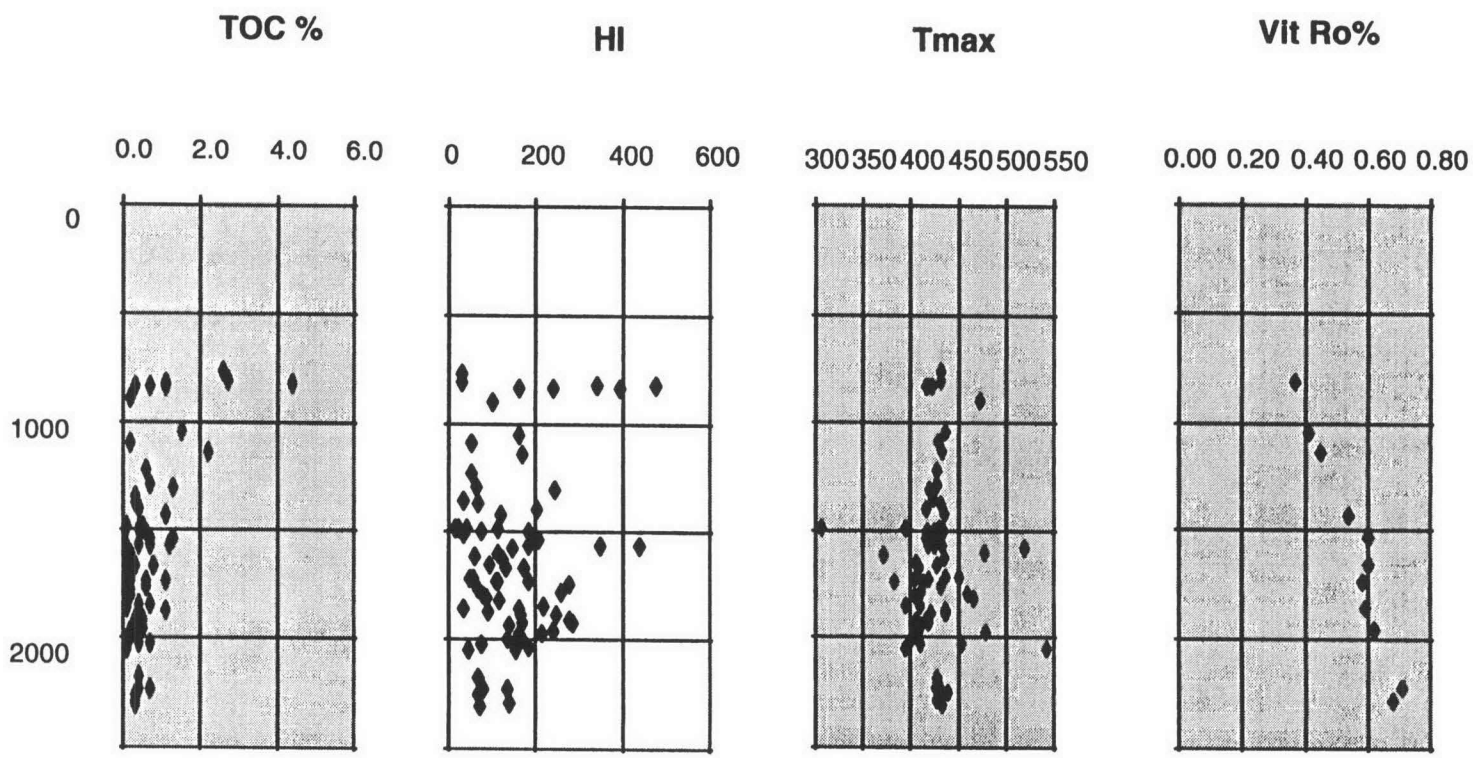
APPENDIX 7
DOWN HOLE PROFILES OF TOC, HI Tmax AND VITRINITE REFLECTANCE
for the wells listed below:-

BARNETT 1
BARNETT 2
BERKLEY 1
BONAPARTE 1 (TOC only)
BONAPARTE 2
BOUGAINVILLE 1
CAMBRIDGE 1
CURLEW 1
FLAT TOP 1 (+ plot of TOC over extended range)
GULL 1
KEEP RIVER 1
KINMORE 1 (+ plot of TOC over extended range)
KULSHILL 1(+ plot of TOC over extended range)
LACROSSE 1
LESUEUR 1
MATILDA 1
NINGBING 1
PENGUIN 1
PETREL 1 (TOC only)
PETREL 2
TERN 1

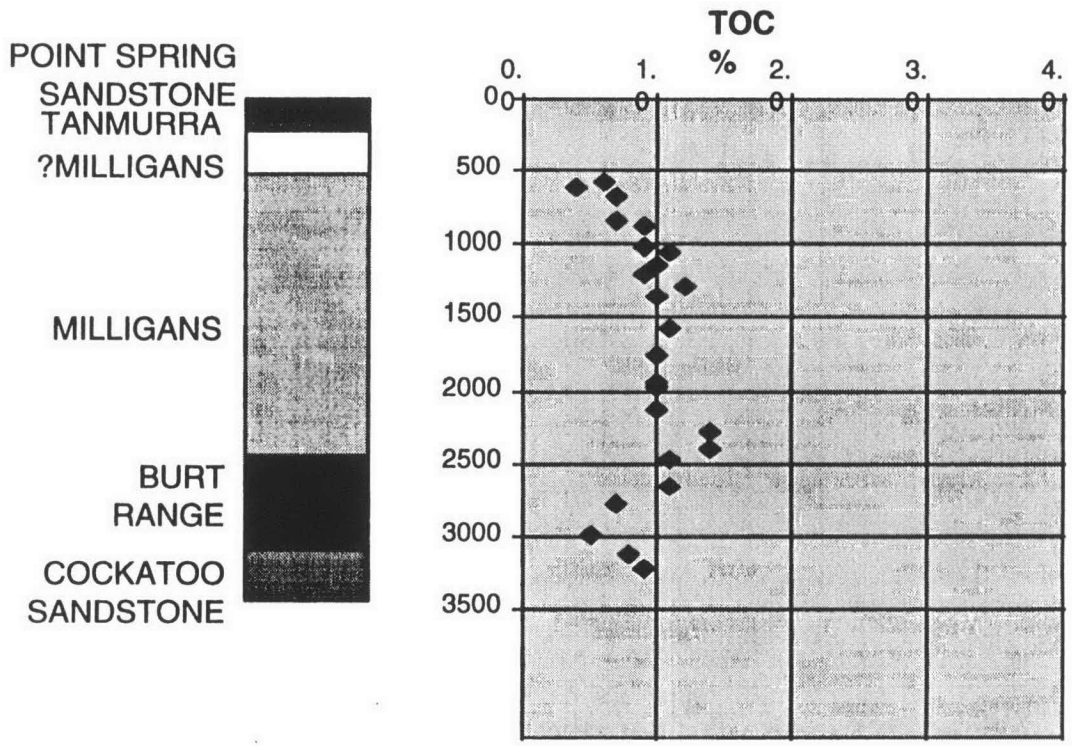
BARNETT 2


TOC %
HI
Vit Ro%
0.0
5.0
10.0
15.0
0
100
200
300
400
0.00
0.40
0.80
0
500
1000
1500
2000
2500
3000
TERTIARY
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
KURIYIPPI
TANMURRA
U MILLIGANS
L MILLIGANS

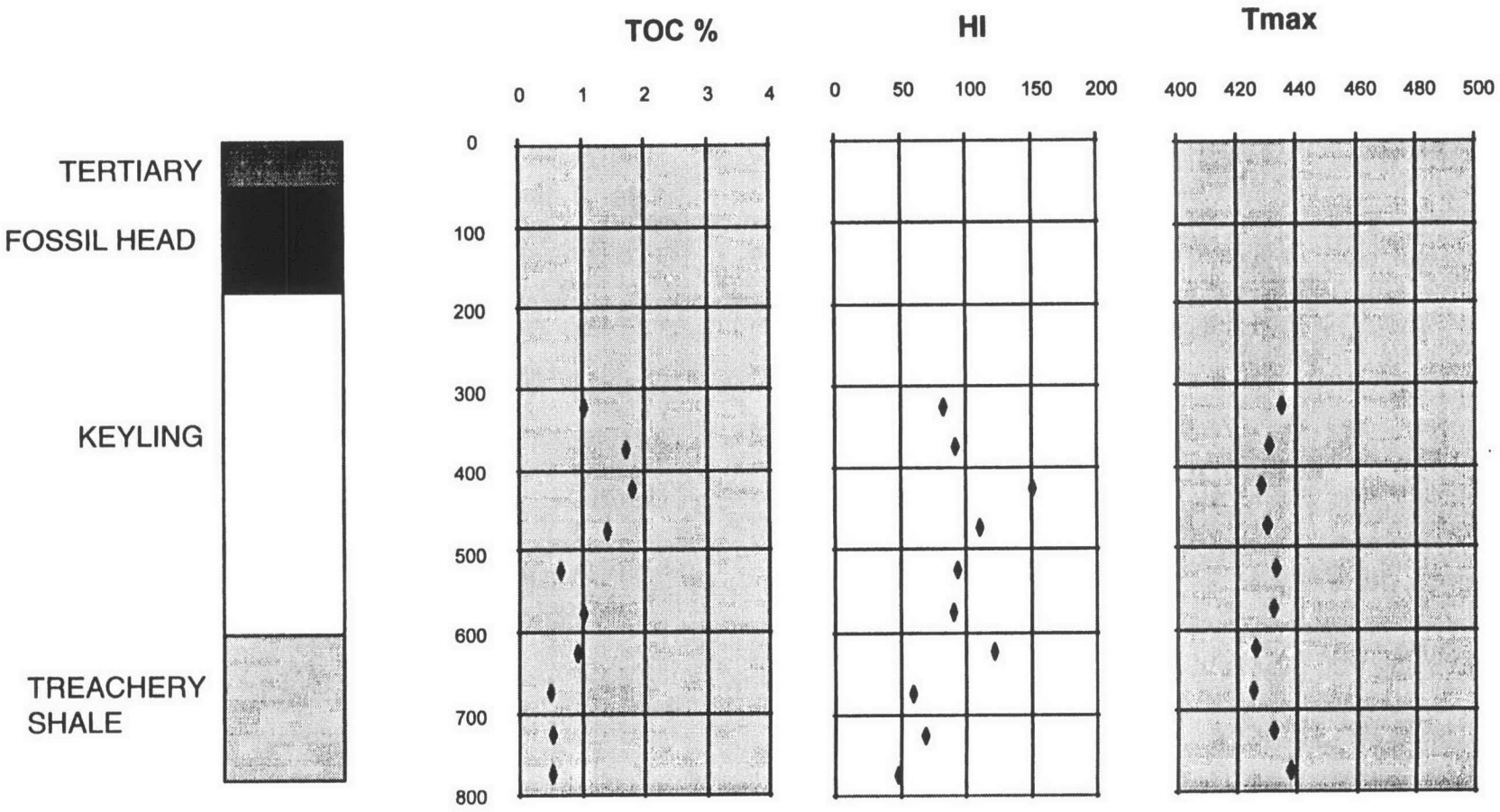
Barnett 1

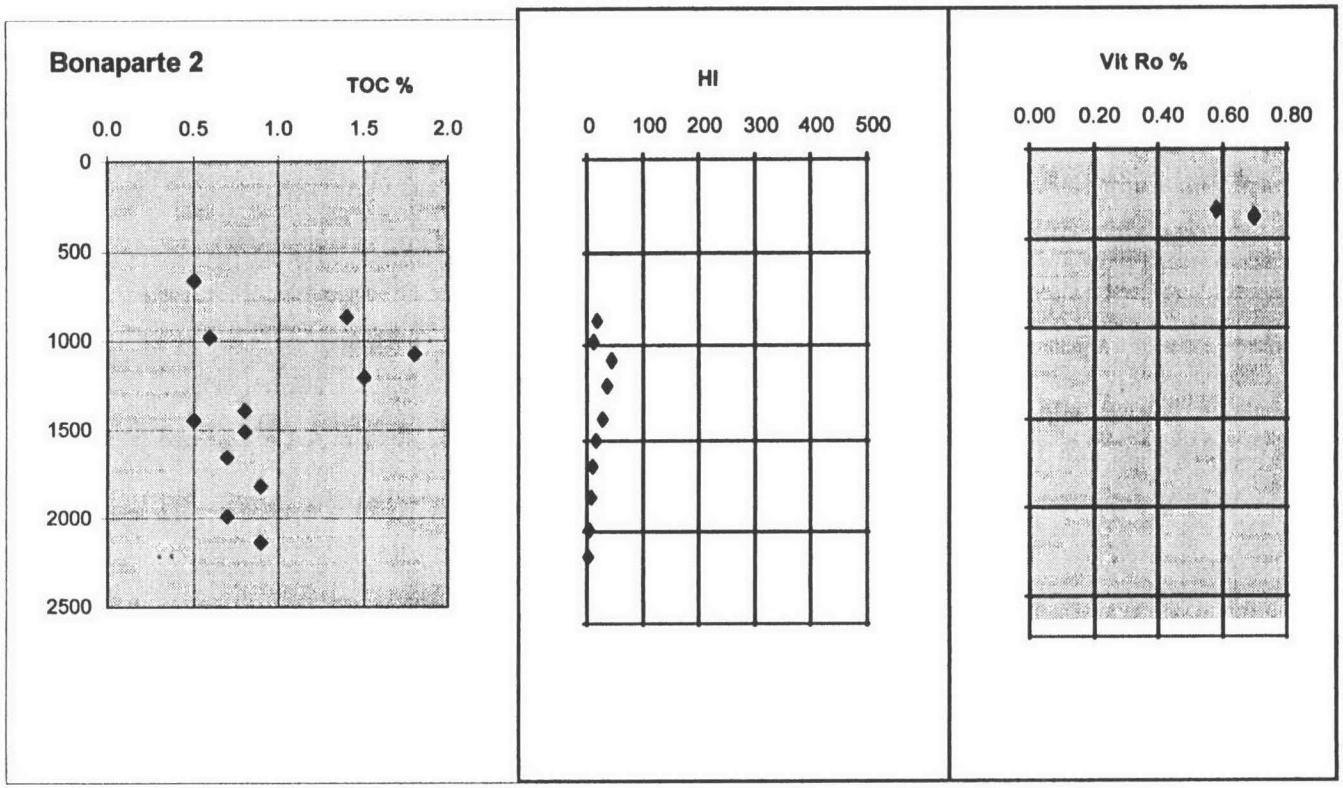

TOC %
0.0 2.0 4.0 6.0
HI
0 200 400 600
Tmax
300 350 400 450 500 550
Vit Ro%
0.00 0.20 0.40 0.60 0.80
0
1000
2000

BONAPARTE-1

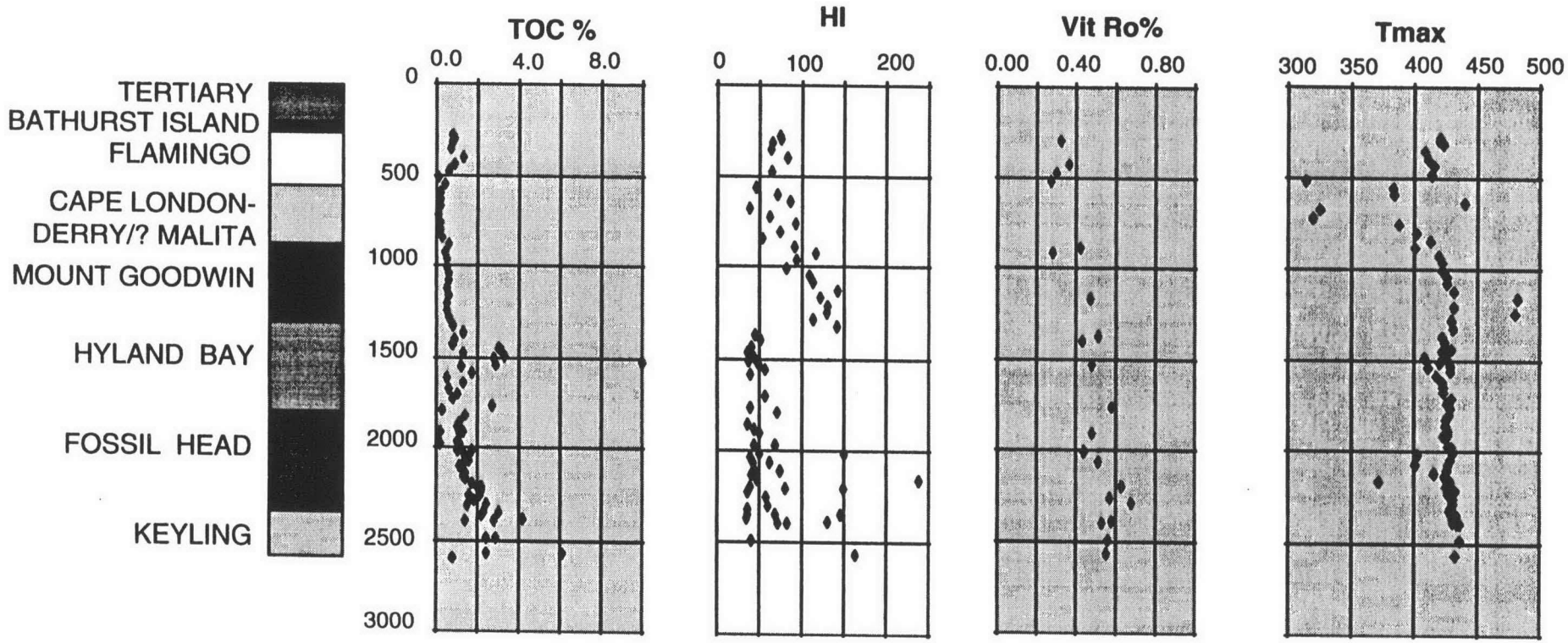

POINT SPRING
SANDSTONE
TANMURRA
?MILLIGANS
MILLIGANS
BURT
RANGE
COCKATOO
SANDSTONE
TOC
%
0.
1.
2.
3.
4.
0
500
1000
1500
2000
2500
3000
3500

BERKLEY-1

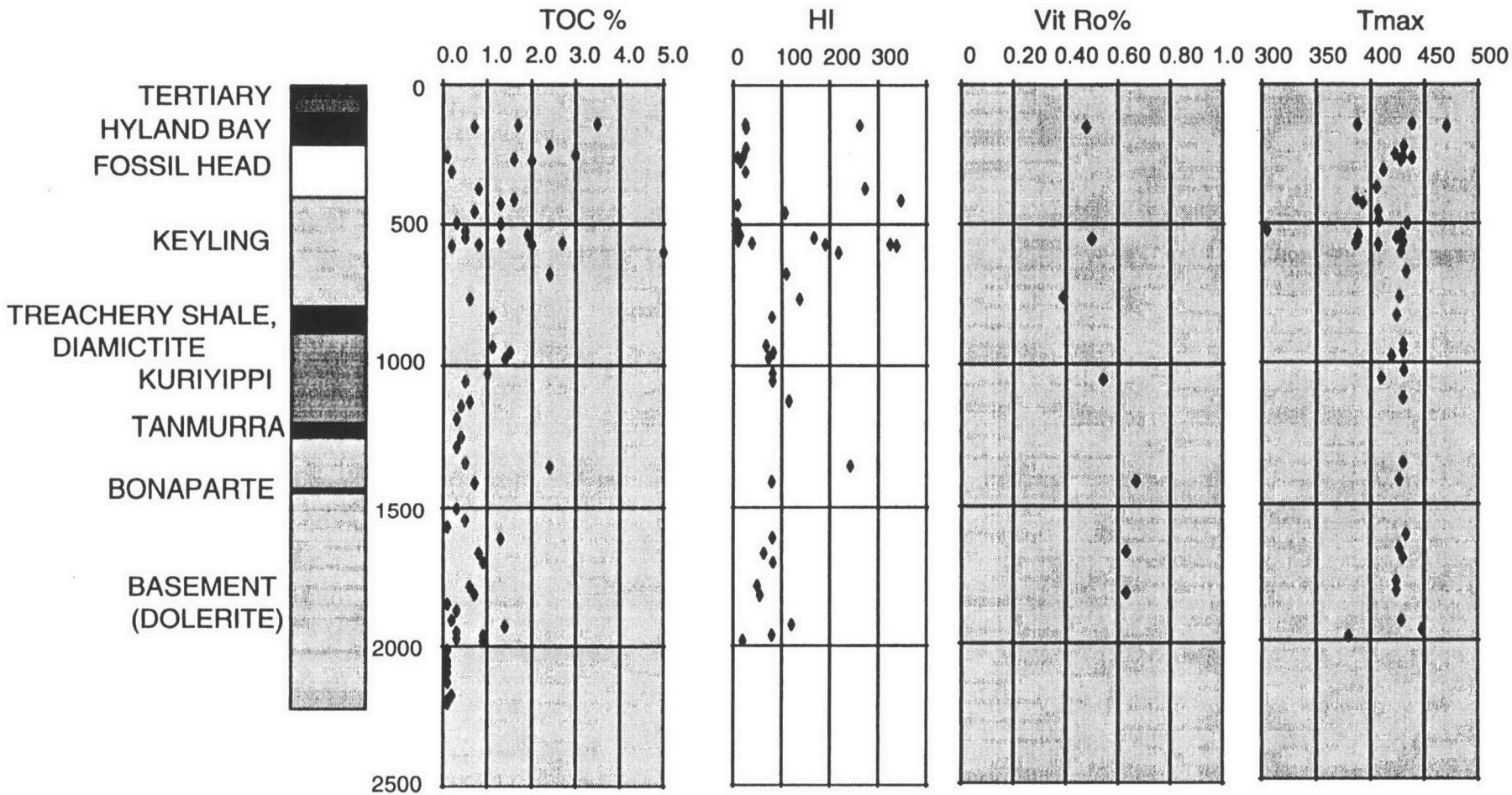

TOC %
HI
Tmax
0 1 2 3 4
0 50 100 150 200
400 420 440 460 480 500
0
100
200
300
400
500
600
700
800
TERTIARY
FOSSIL HEAD
KEYLING
TREACHERY SHALE

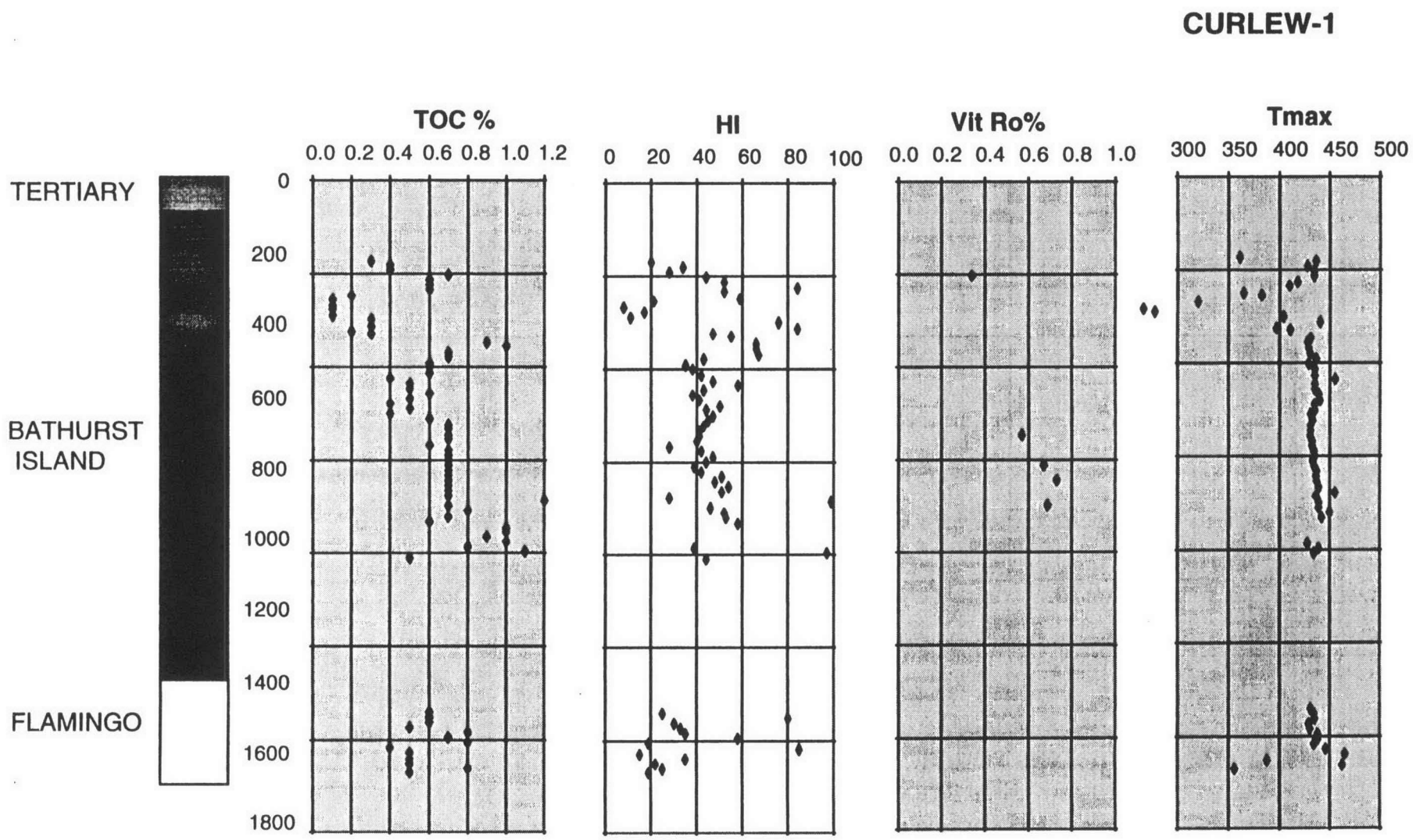

Bonaparte 2
TOC %
0.0
0.5
1.0
1.5
2.0
0
500
1000
1500
2000
2500
HI
0
100
200
300
400
500
Vit Ro %
0.00
0.20
0.40
0.60
0.80

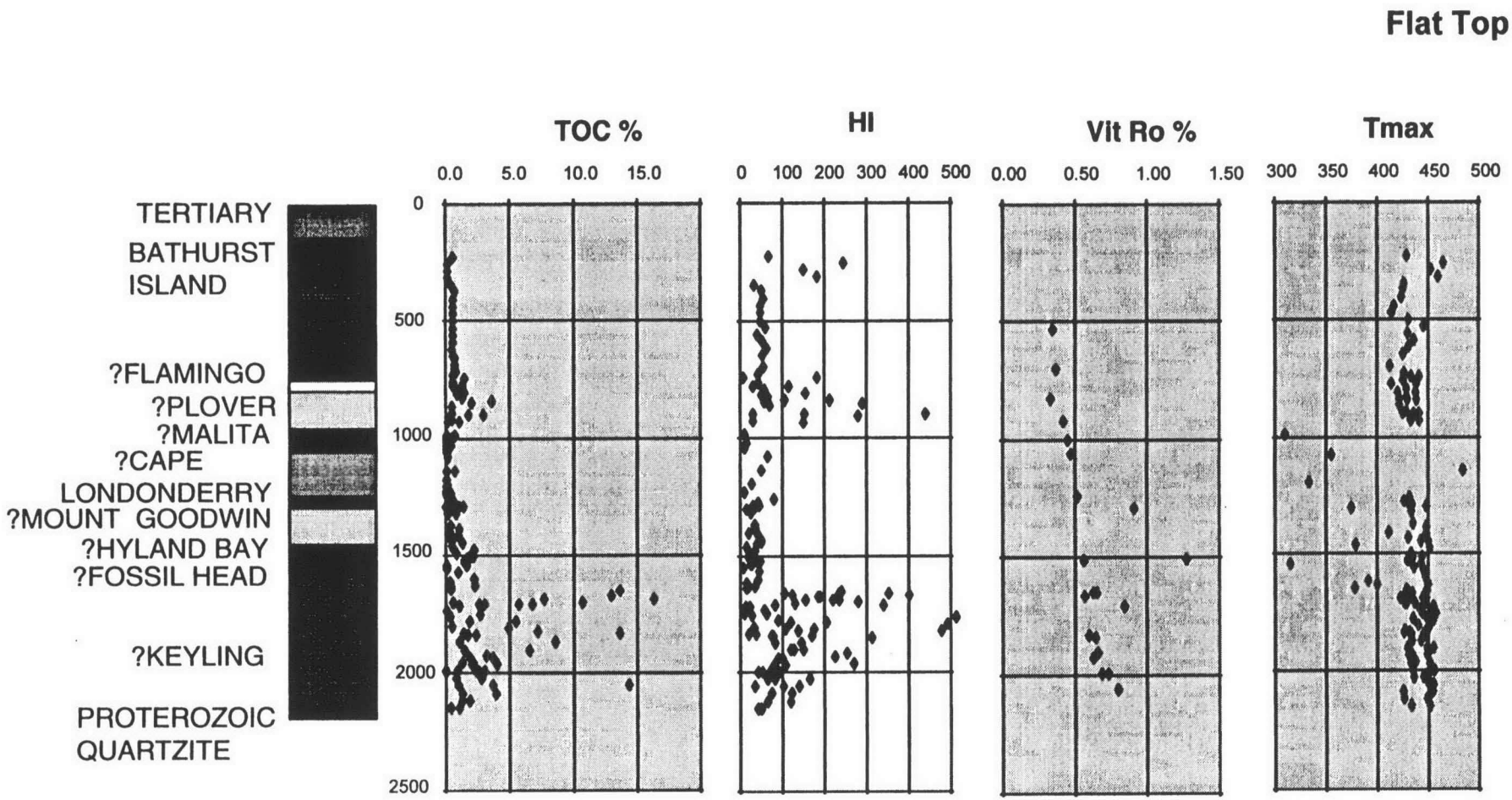
BOUGAINVILLE-1



CAMBRIDGE 1

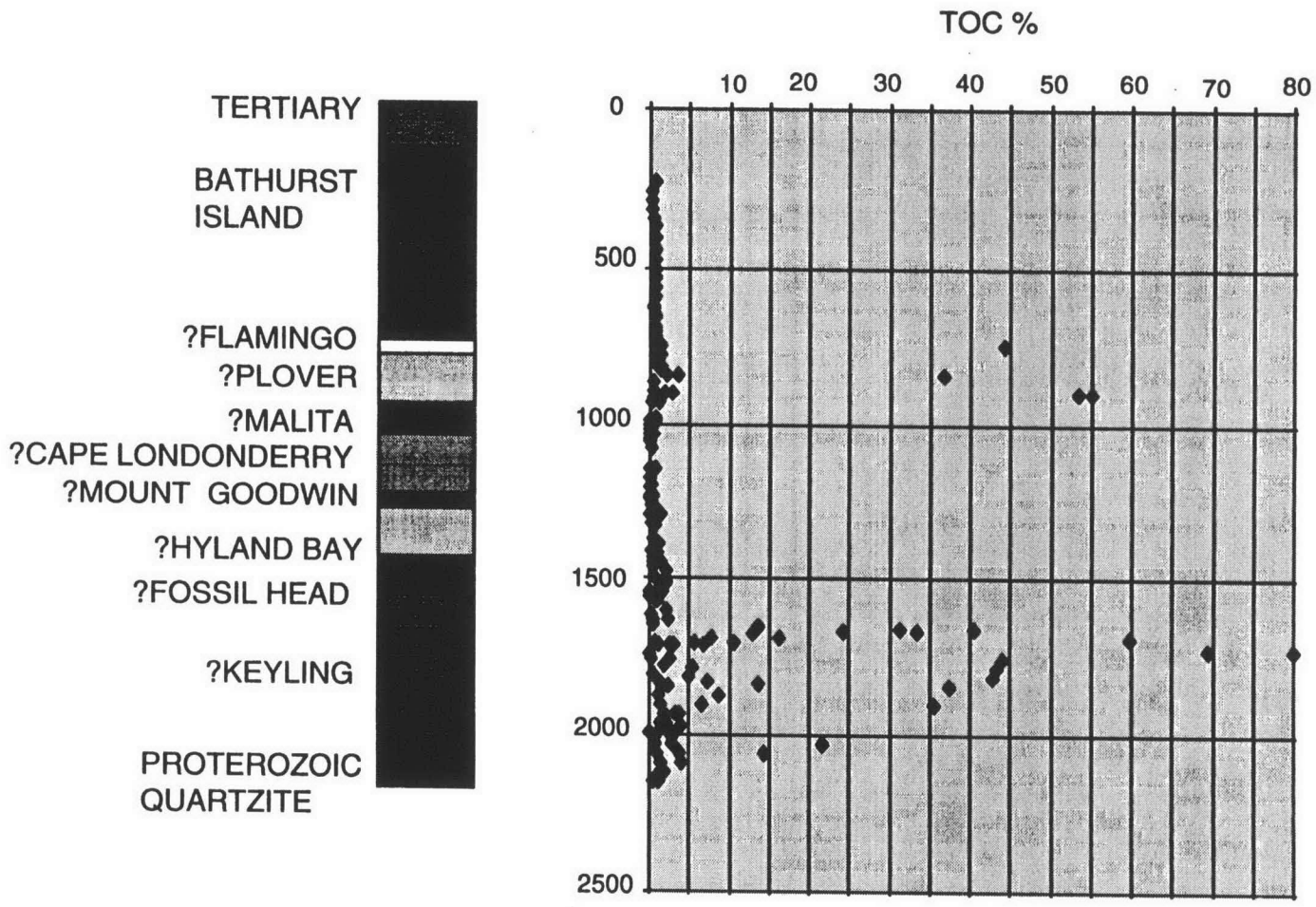

TOC %
0.0 1.0 2.0 3.0 4.0 5.0
HI
0 100 200 300
Vit Ro%
0 0.20 0.40 0.60 0.80 1.0
Tmax
300 350 400 450 500
0
500
1000
1500
2000
2500
TERTIARY
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE,
DIAMICTITE
KURIYIPPI
TANMURRA
BONAPARTE
BASEMENT
(DOLERITE)


CURLEW-1
TOC %
0.0 0.2 0.4 0.6 0.8 1.0 1.2
HI
0 20 40 60 80 100
Vit Ro%
0.0 0.2 0.4 0.6 0.8 1.0
Tmax
300 350 400 450 500
TERTIARY
BATHURST ISLAND
FLAMINGO
0
200
400
600
800
1000
1200
1400
1600
1800

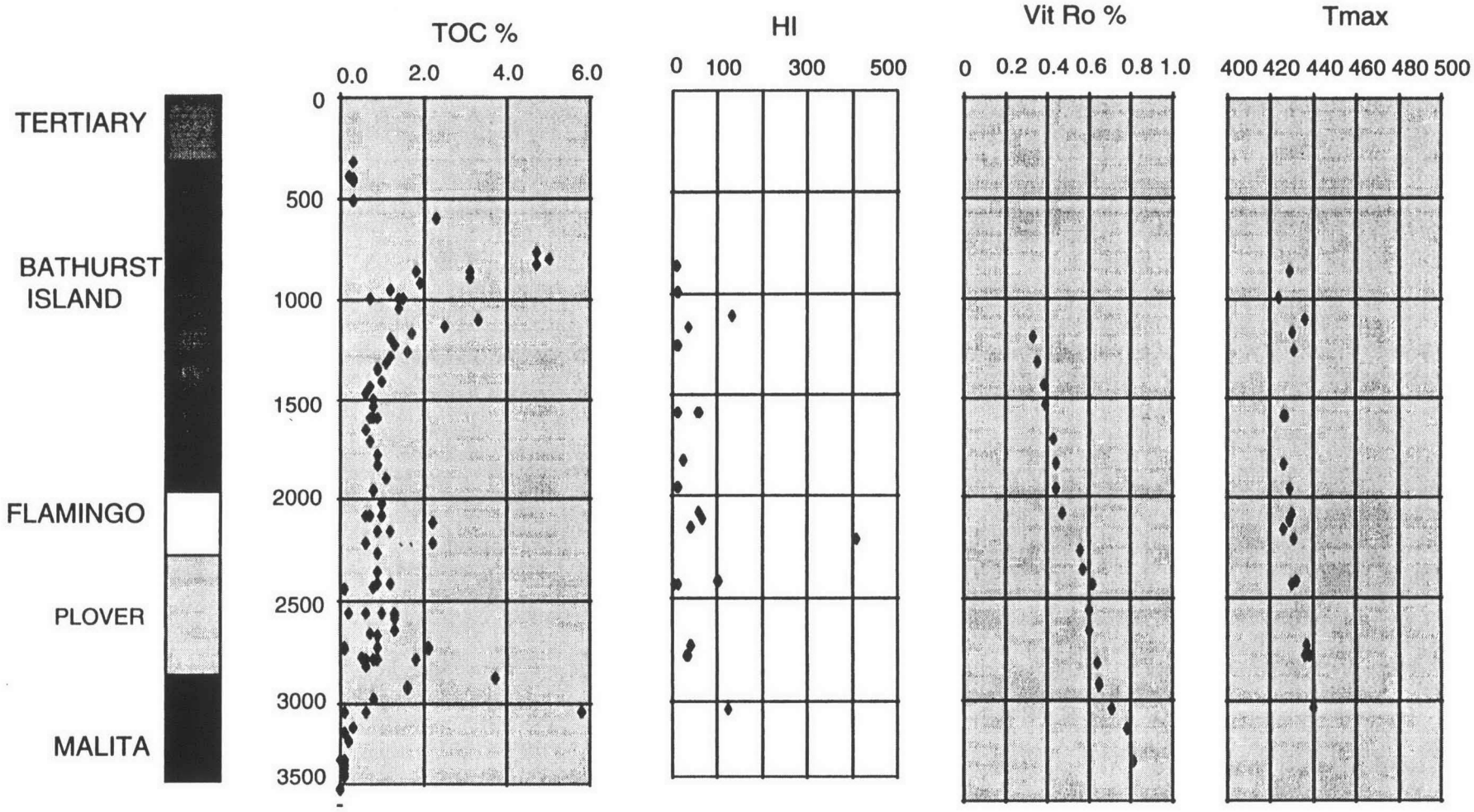


Geochemical analyses indicated the presence of degraded oil in the H5 limestone

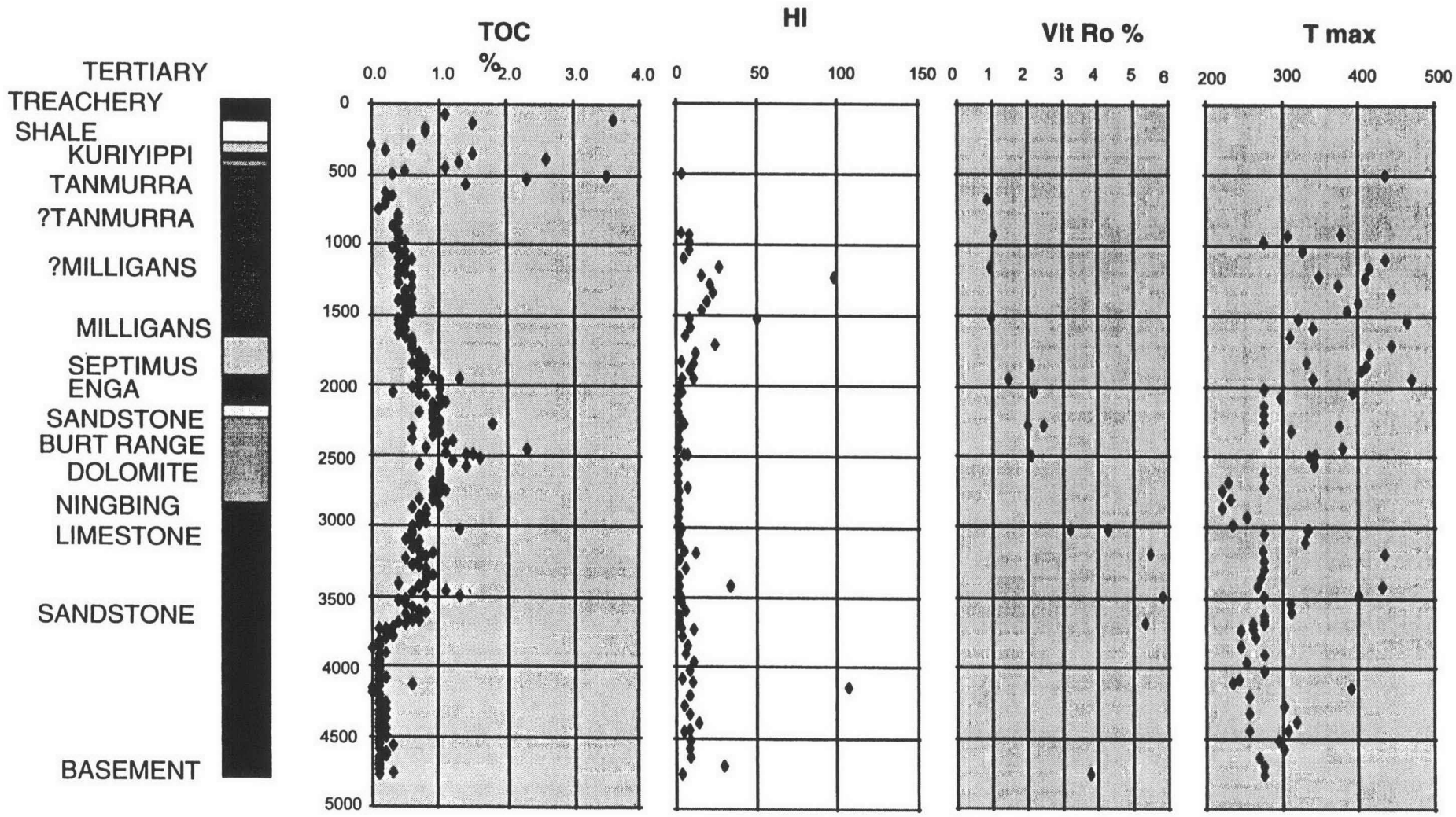
FLAT TOP-1


TERTIARY
BATHURST ISLAND
?FLAMINGO
?PLOVER
?MALITA
?CAPE LONDONDERRY
?MOUNT GOODWIN
?HYLAND BAY
?FOSSIL HEAD
?KEYLING
PROTEROZOIC QUARTZITE
TOC %
10
20
30
40
50
60
70
80
0
500
1000
1500
2000
2500

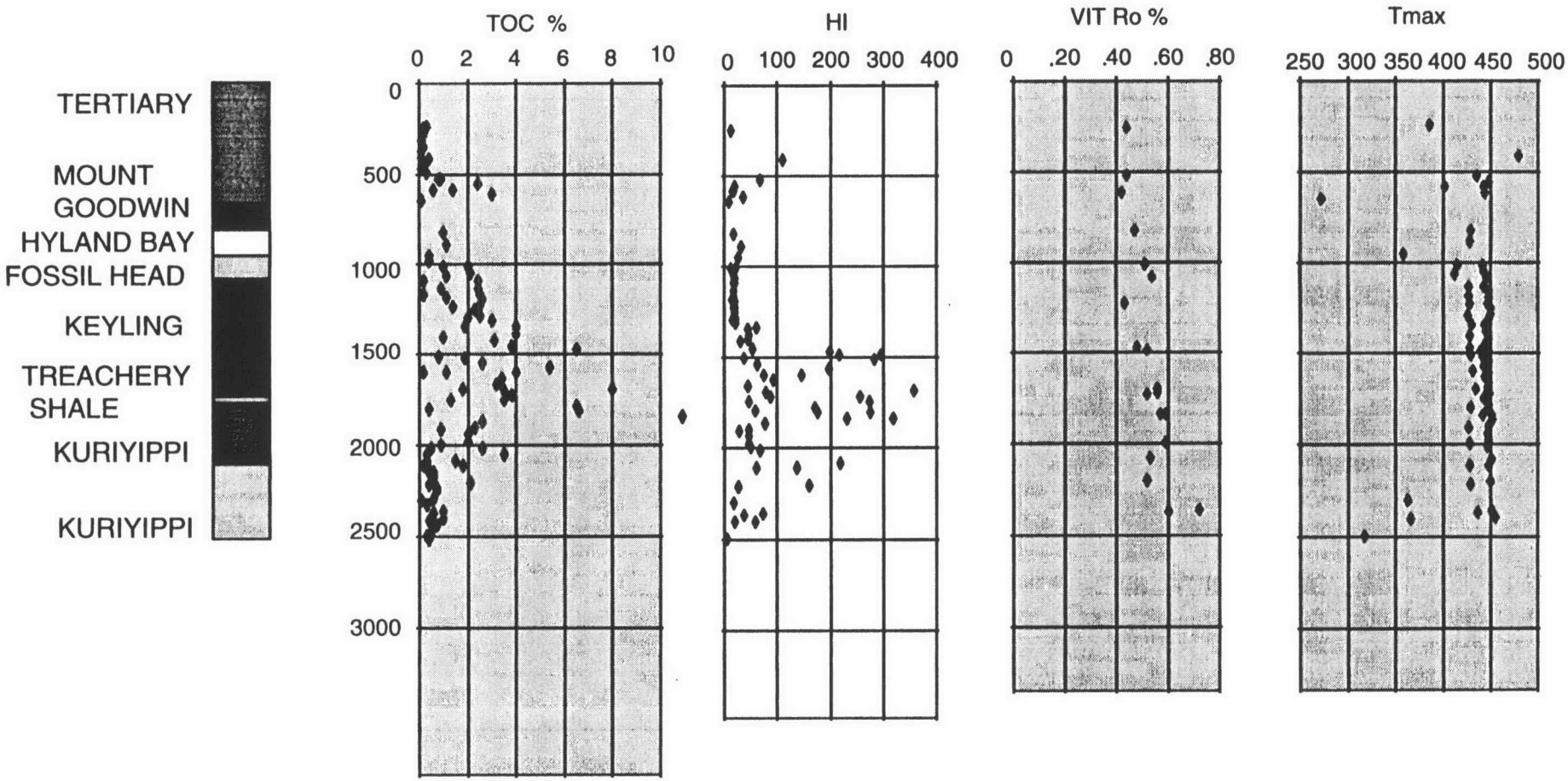
GULL 1

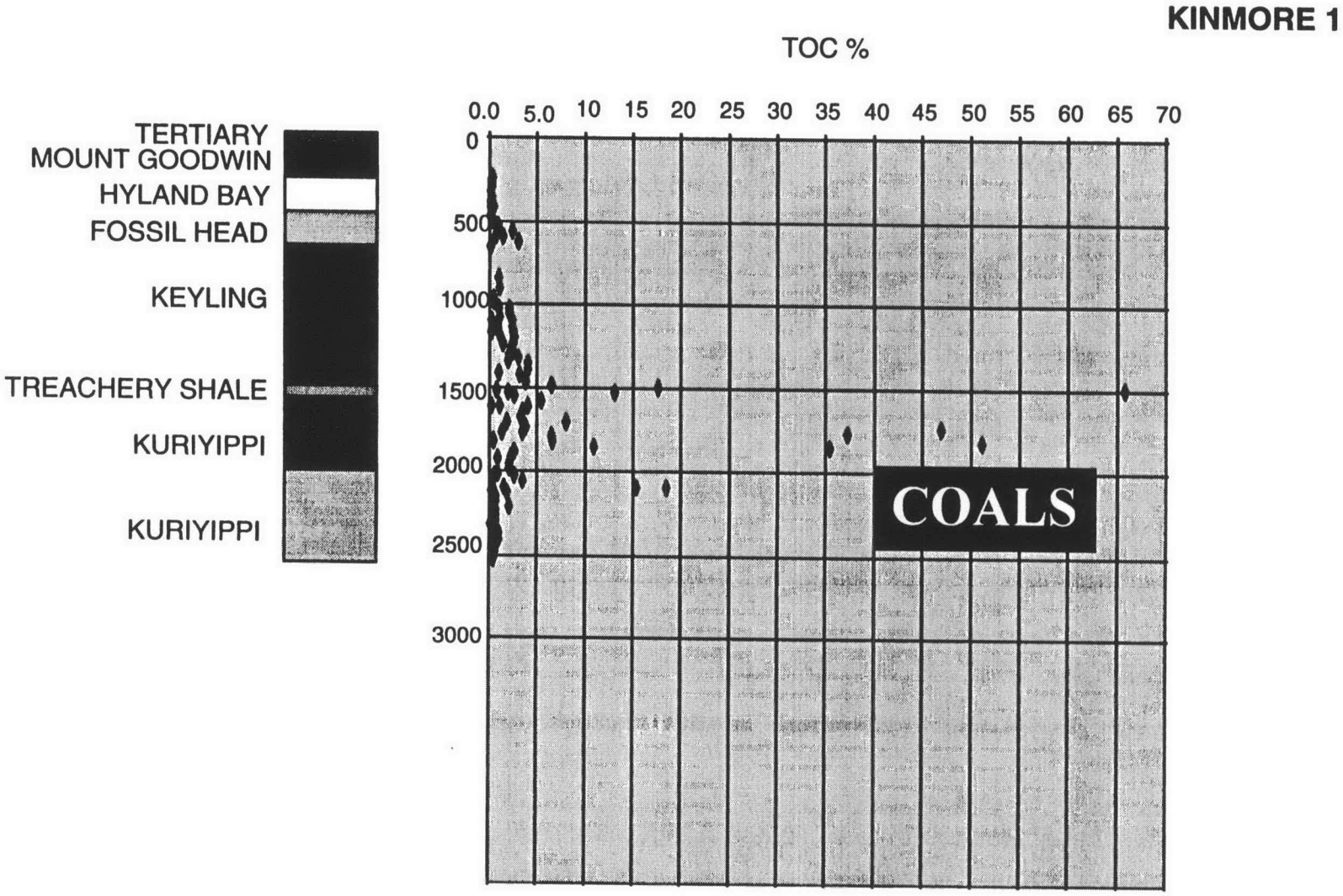

TERTIARY
BATHURST ISLAND
FLAMINGO
PLOVER
MALITA
TOC %
0.0 2.0 4.0 6.0
HI
0 100 300 500
Vit Ro %
0 0.2 0.4 0.6 0.8 1.0
Tmax
400 420 440 460 480 500
0
500
1000
1500
2000
2500
3000
3500

KEEP RIVER-1

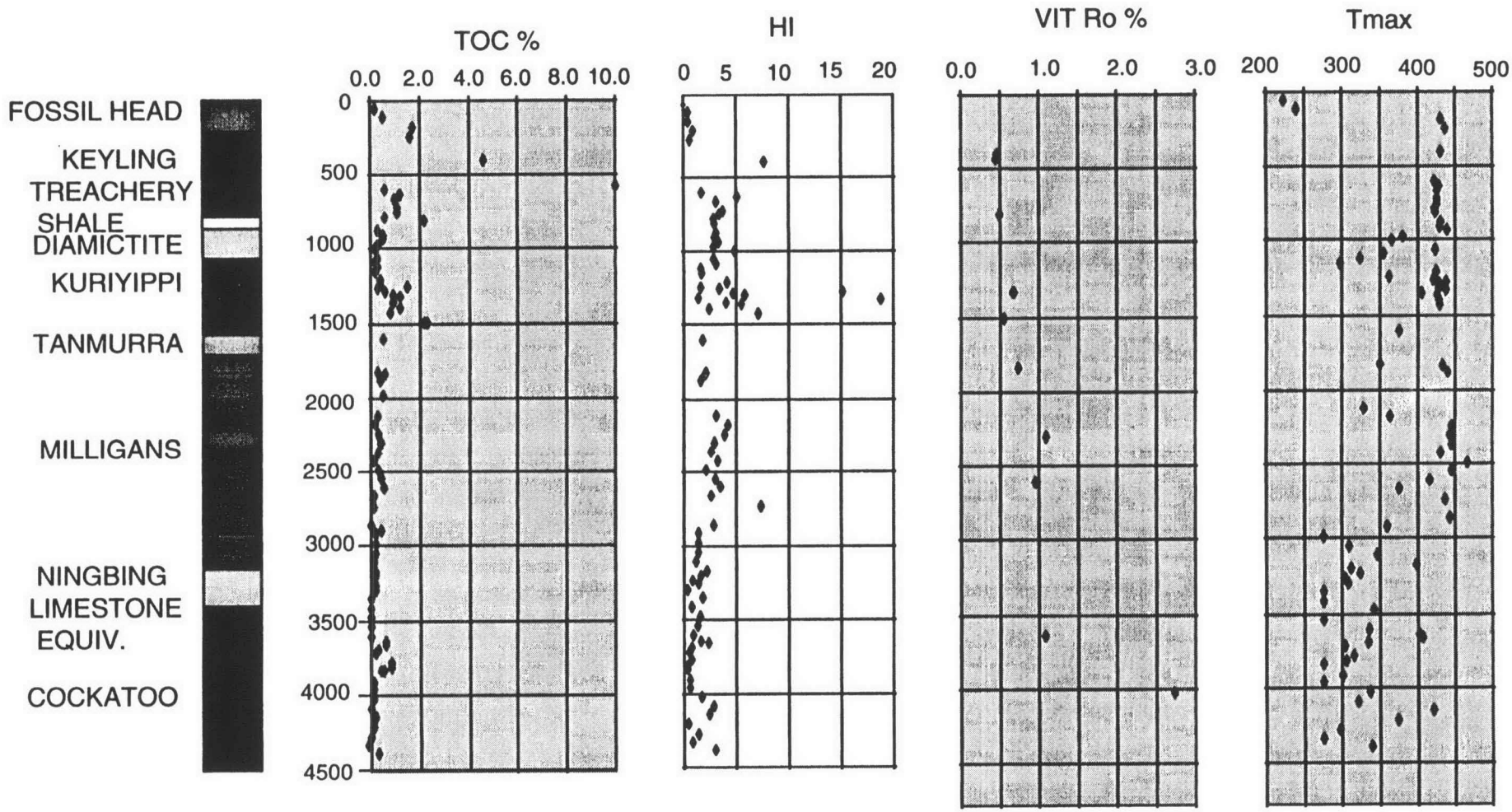

TERTIARY
TREACHERY
SHALE
KURIYIPPI
TANMURRA
?TANMURRA
?MILLIGANS
MILLIGANS
SEPTIMUS
ENGA
SANDSTONE
BURT RANGE
DOLOMITE
NINGBING
LIMESTONE
SANDSTONE
BASEMENT
TOC
%
0.0
1.0
2.0
3.0
4.0
HI
0
50
100
150
Vit Ro %
0
1
2
3
4
5
6
T max
200
300
400
500
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

KINMORE 1

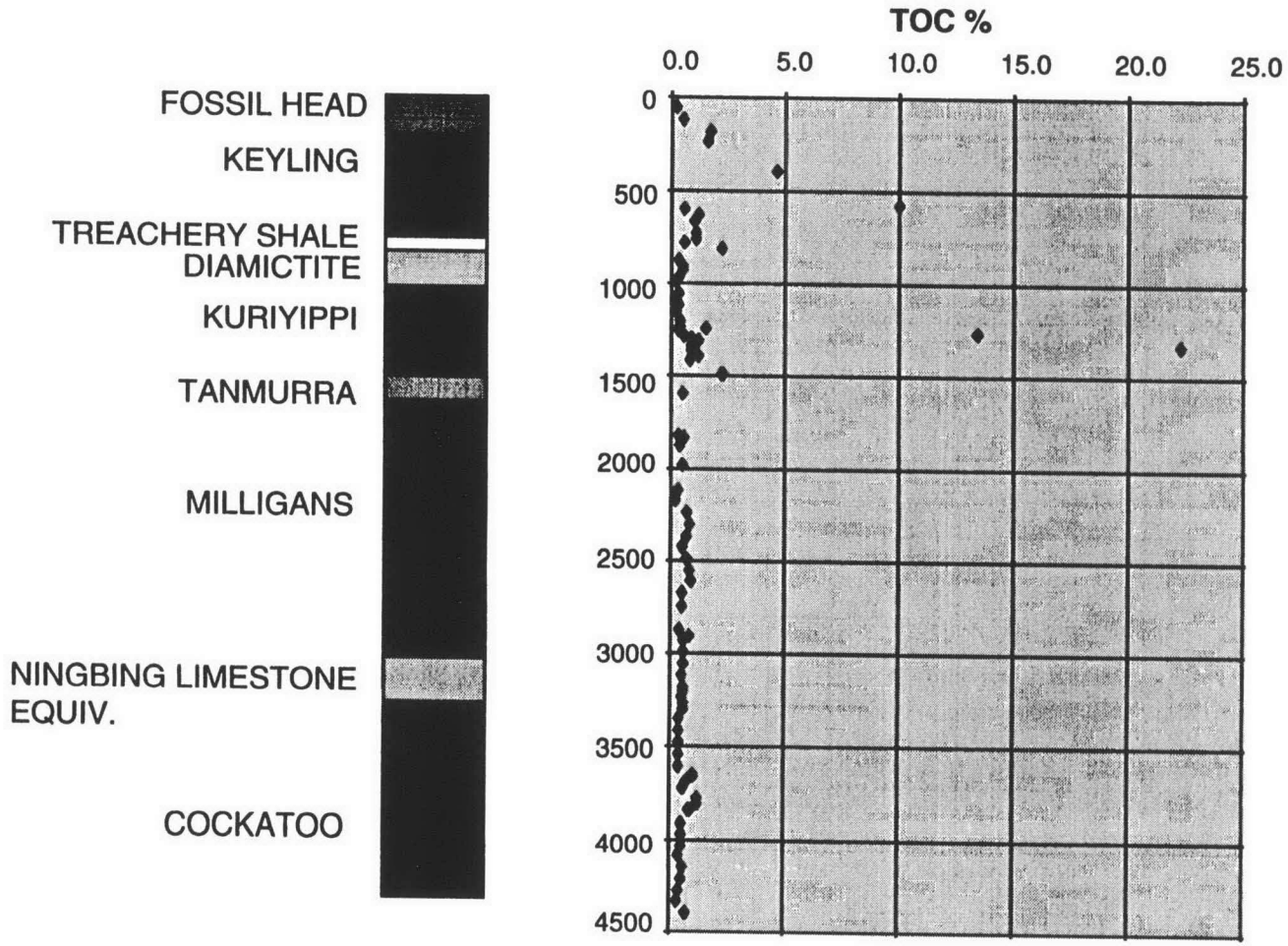

TERTIARY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
KURIYIPPI
KURIYIPPI
TOC %
0 2 4 6 8 10
HI
0 100 200 300 400
VIT Ro %
0 .20 .40 .60 .80
Tmax
250 300 350 400 450 500
0
500
1000
1500
2000
2500
3000


KINMORE 1
TOC %
0.0 5.0 10 15 20 25 30 35 40 45 50 55 60 65 70
0
500
1000
1500
2000
2500
3000
TERTIARY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
KURIYIPPI
KURIYIPPI
COALS

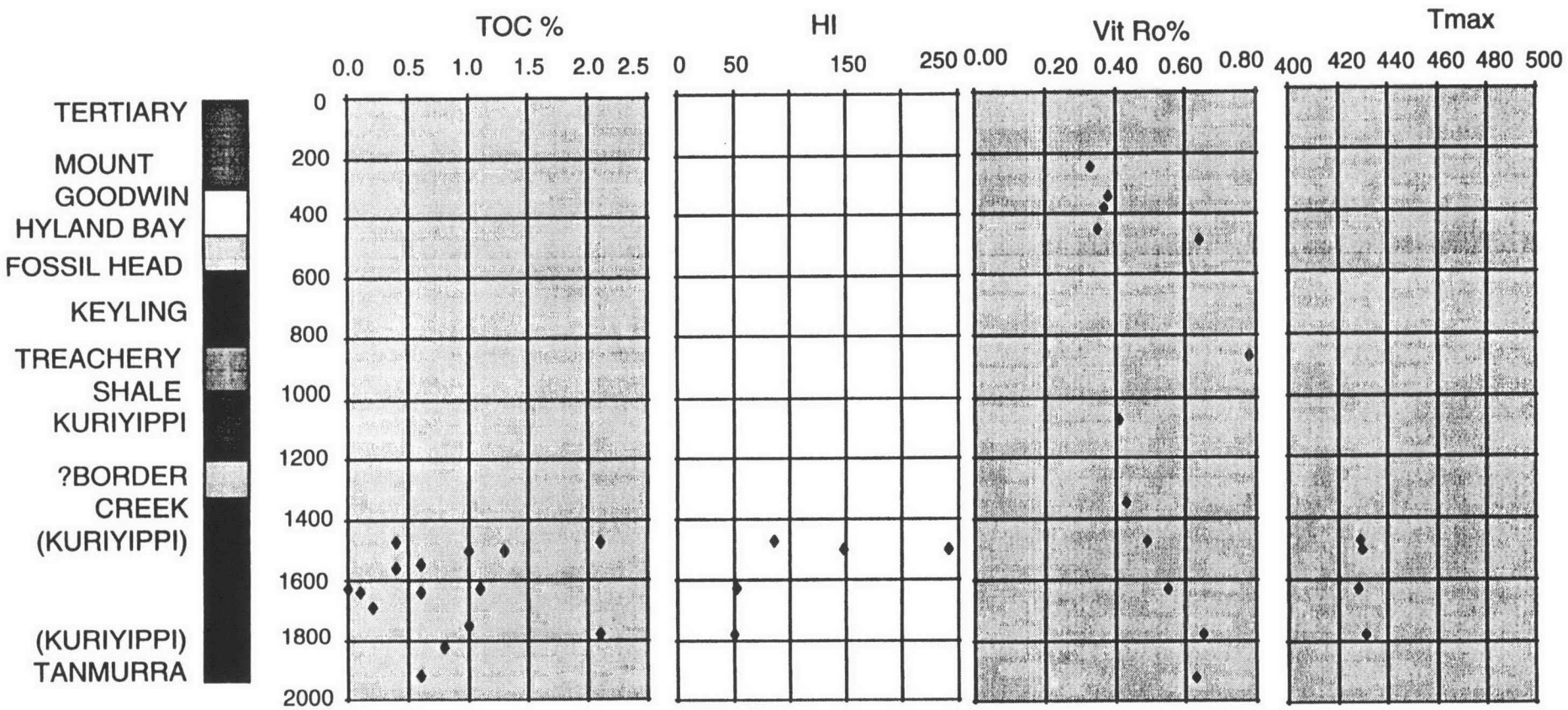
KULSHILL 1


FOSSIL HEAD
KEYLING
TREACHERY
SHALE
DIAMICTITE
KURIYIPPI
TANMURRA
MILLIGANS
NINGBING
LIMESTONE
EQUIV.
COCKATOO
TOC %
0.0 2.0 4.0 6.0 8.0 10.0
HI
0 5 10 15 20
VIT Ro %
0.0 1.0 2.0 3.0
Tmax
200 300 400 500
0
500
1000
1500
2000
2500
3000
3500
4000
4500

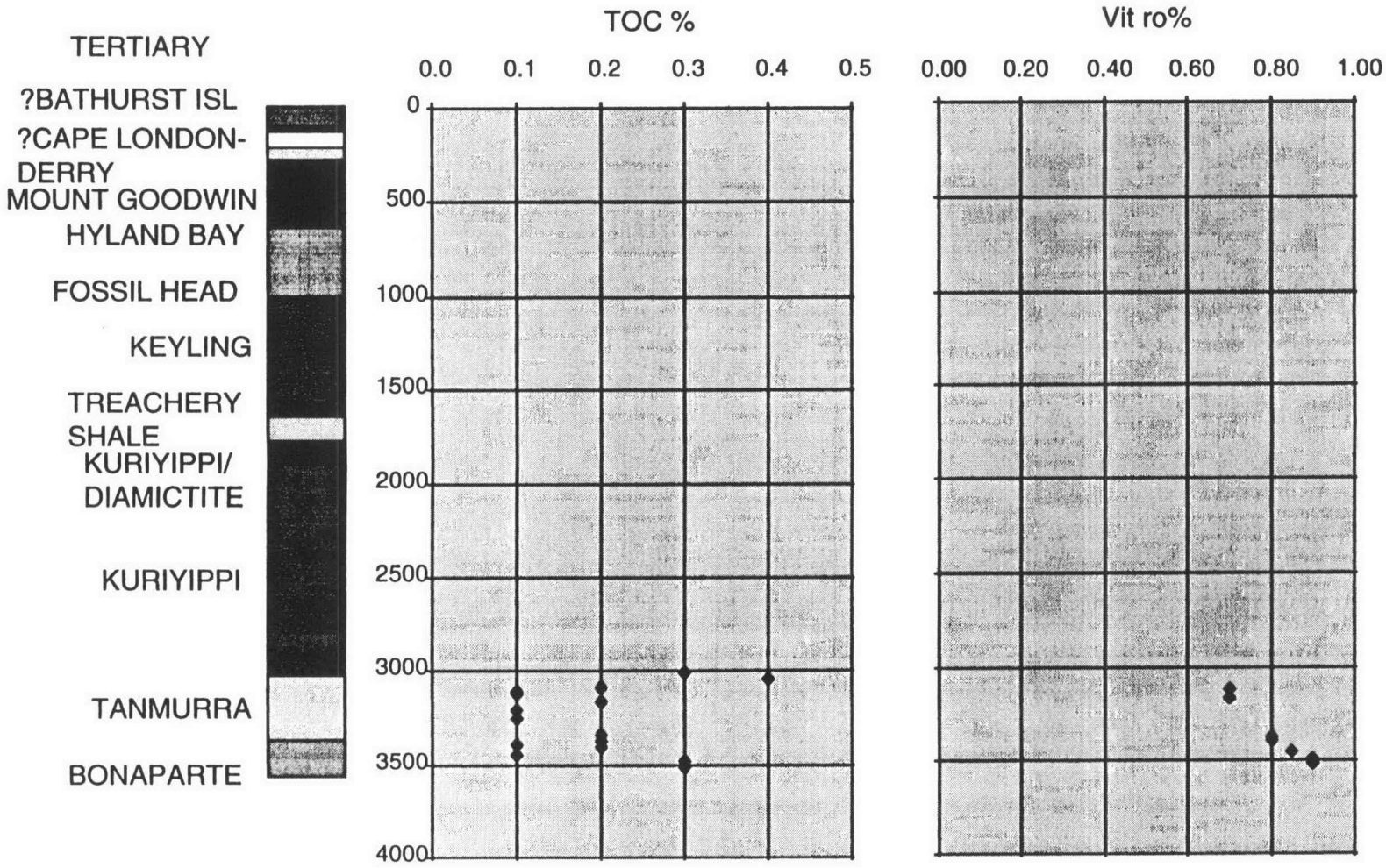
KULSHILL 1


TOC %
0.0
5.0
10.0
15.0
20.0
25.0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
FOSSIL HEAD
KEYLING
TREACHERY SHALE
DIAMICTITE
KURIYIPPI
TANMURRA
MILLIGANS
NINGBING LIMESTONE
EQUIV.
COCKATOO

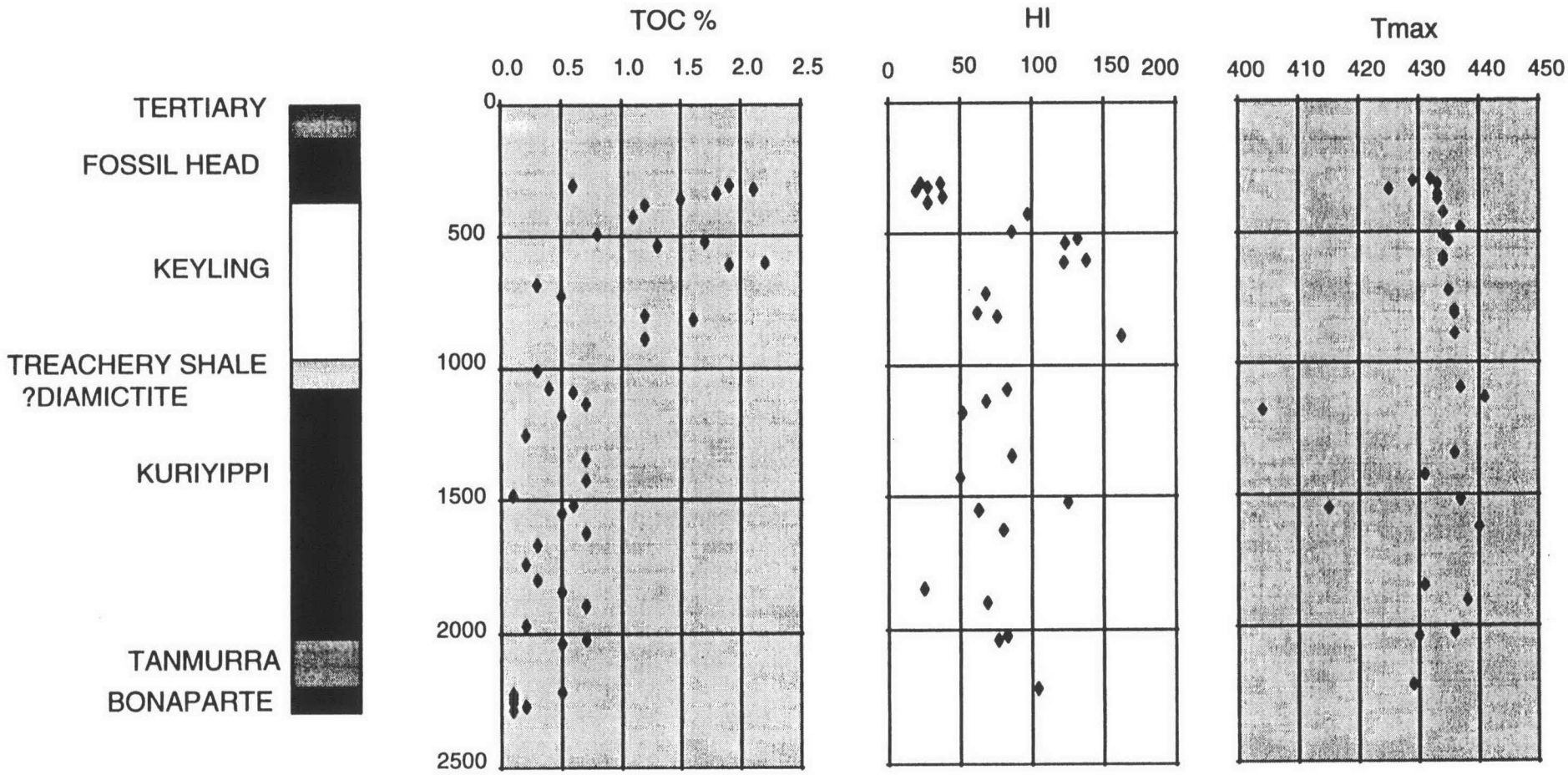
LACROSSE 1


TOC %
0.0 0.5 1.0 1.5 2.0 2.5
HI
0 50 150 250
Vit Ro%
0.00 0.20 0.40 0.60 0.80
Tmax
400 420 440 460 480 500
0 200 400 600 800 1000 1200 1400 1600 1800 2000
TERTIARY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
KURIYIPPI
?BORDER CREEK (KURIYIPPI)
(KURIYIPPI) TANMURRA

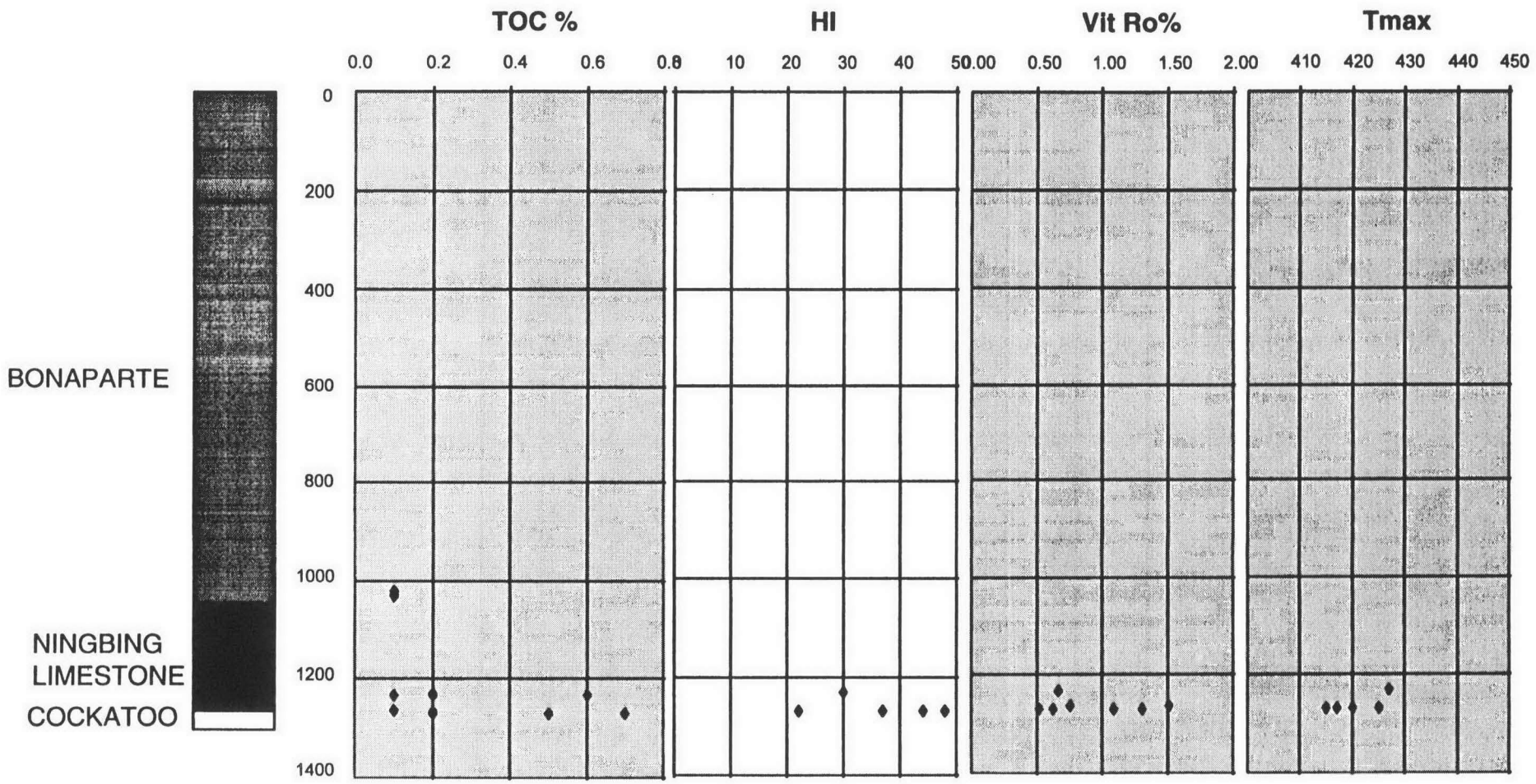
LESUEUR 1


TERTIARY
?BATHURST ISL
?CAPE LONDON-DERRY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
KURIYIPPI/ DIAMICTITE
KURIYIPPI
TANMURRA
BONAPARTE
TOC %
0.0
0.1
0.2
0.3
0.4
0.5
Vit ro%
0.00
0.20
0.40
0.60
0.80
1.00
0
500
1000
1500
2000
2500
3000
3500
4000

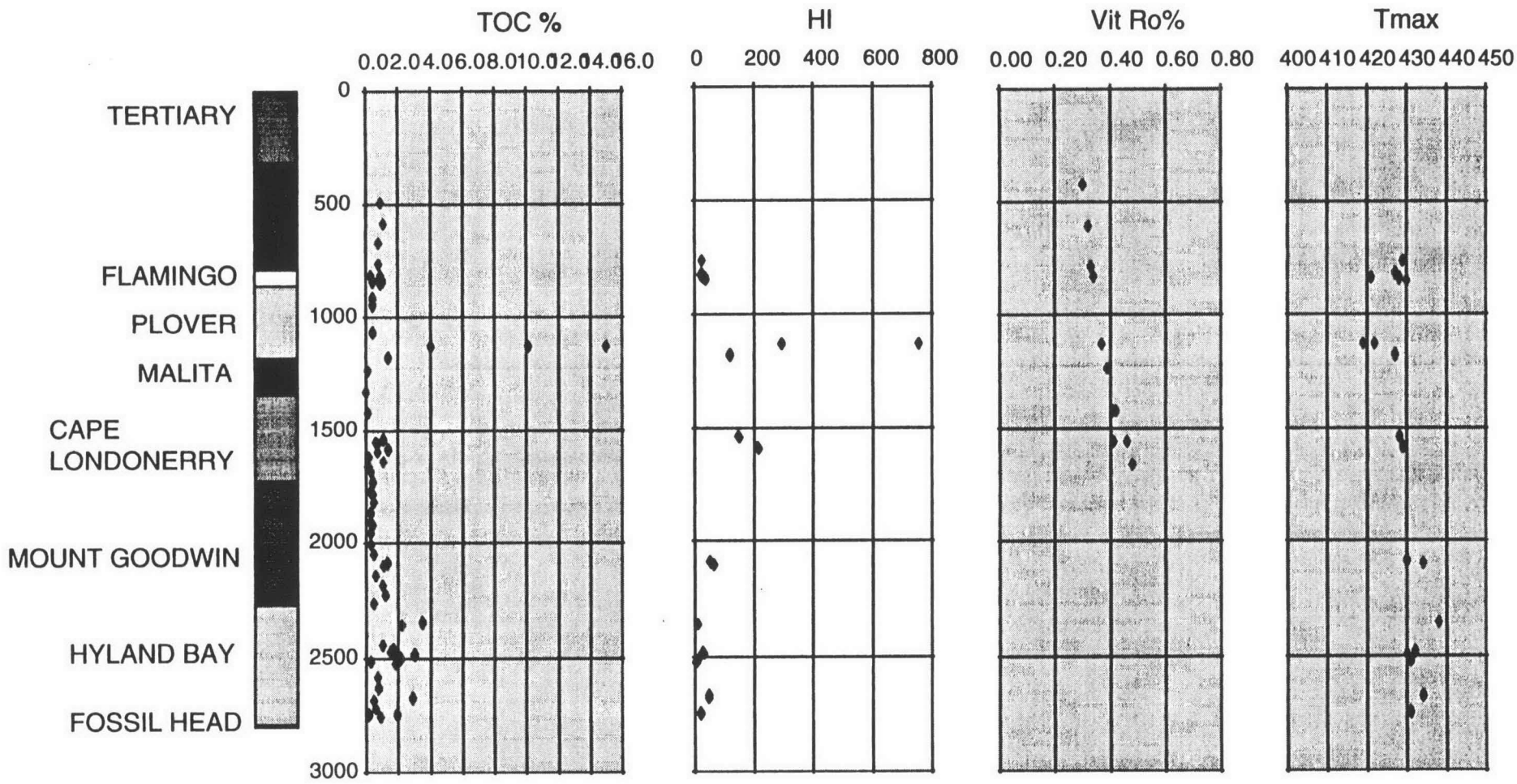
MATILDA-1


TERTIARY
FOSSIL HEAD
KEYLING
TREACHERY SHALE
?DIAMICTITE
KURIYIPPI
TANMURRA
BONAPARTE
TOC %
0.0 0.5 1.0 1.5 2.0 2.5
HI
0 50 100 150 200
Tmax
400 410 420 430 440 450
0
500
1000
1500
2000
2500

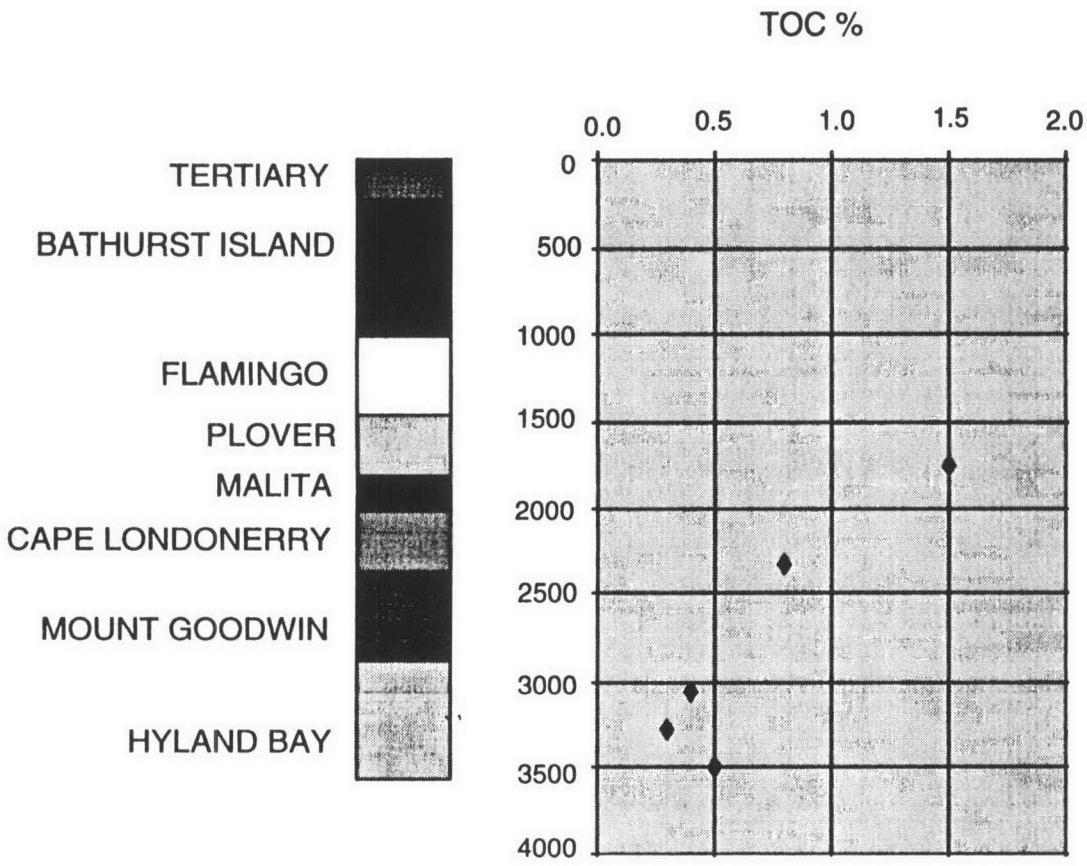
Ningbing 1


TOC %
0.0
0.2
0.4
0.6
0.8
HI
10
20
30
40
50.00
Vit Ro%
0.50
1.00
1.50
2.00
Tmax
410
420
430
440
450
0
200
400
600
800
1000
1200
1400
BONAPARTE
NINGBING
LIMESTONE
COCKATOO

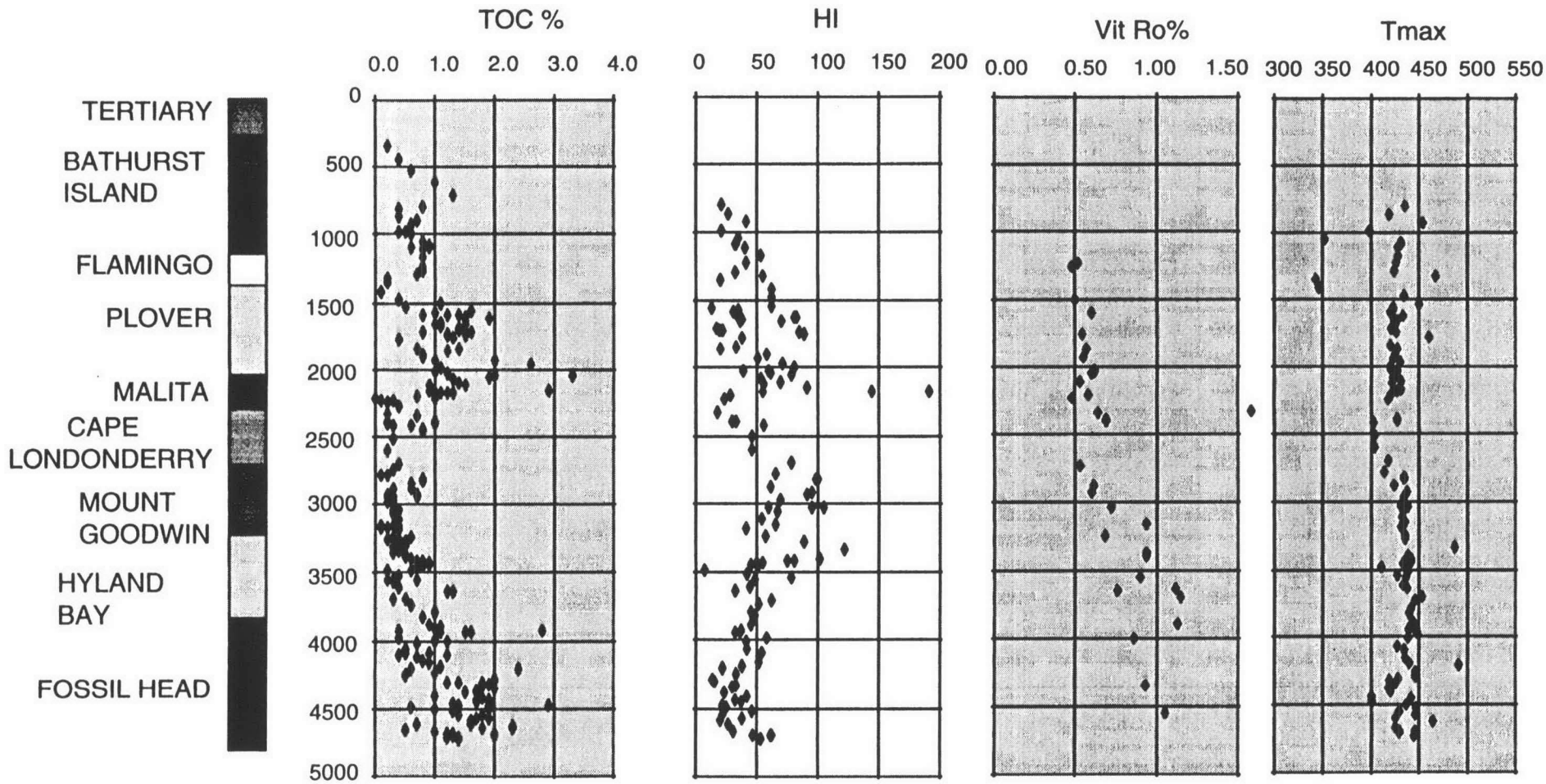
PENGUIN 1


TOC %
0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0
HI
0 200 400 600 800
Vit Ro%
0.00 0.20 0.40 0.60 0.80
Tmax
400 410 420 430 440 450
0
500
1000
1500
2000
2500
3000
TERTIARY
FLAMINGO
PLOVER
MALITA
CAPE LONDONERRY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD

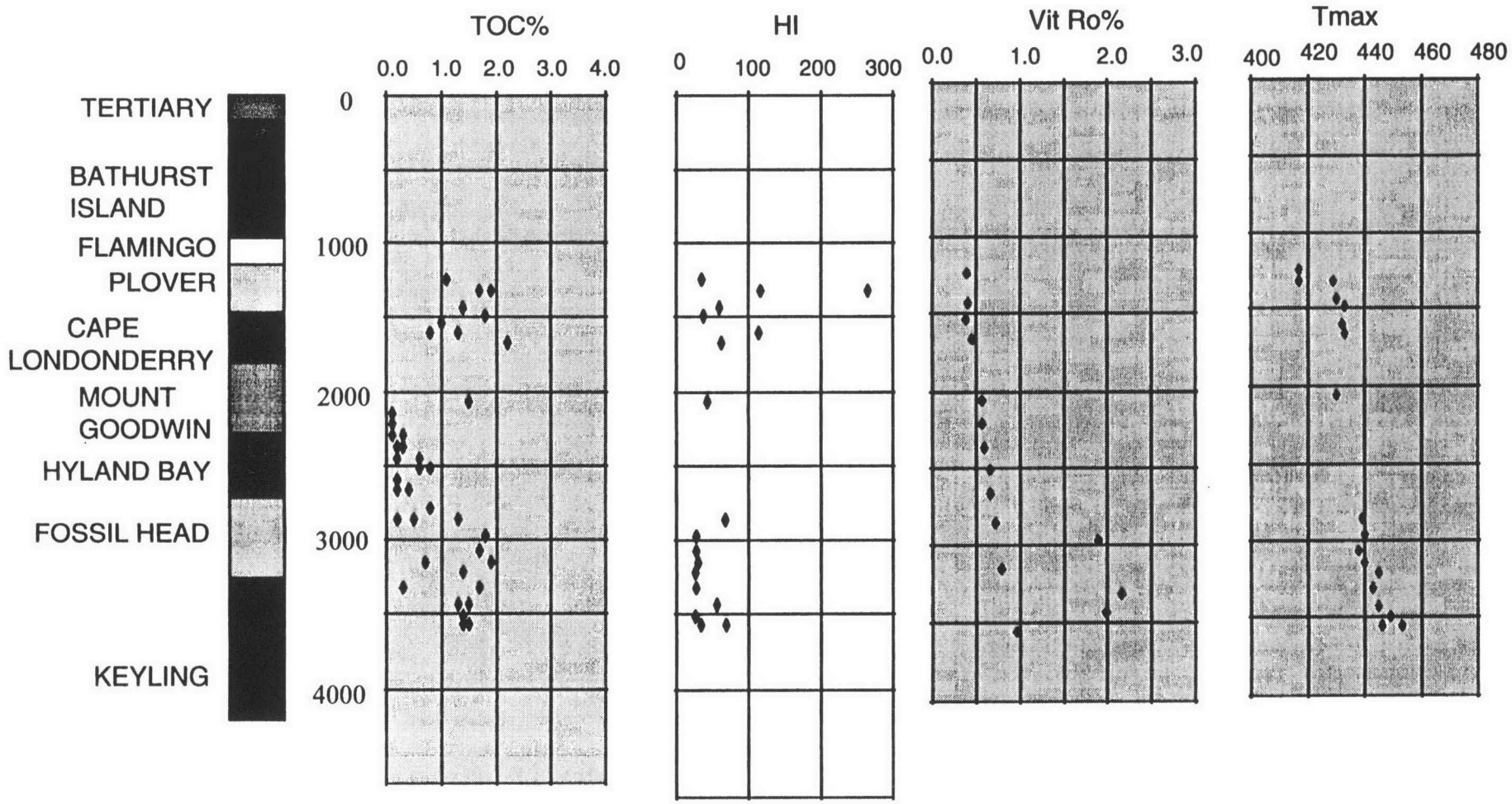
PETREL 1


TOC %
0.0
0.5
1.0
1.5
2.0
0
500
1000
1500
2000
2500
3000
3500
4000
TERTIARY
BATHURST ISLAND
FLAMINGO
PLOVER
MALITA
CAPE LONDONERRY
MOUNT GOODWIN
HYLAND BAY

PETREL 2


TOC %
0.0 1.0 2.0 3.0 4.0
HI
0 50 100 150 200
Vit Ro%
0.00 0.50 1.00 1.50
Tmax
300 350 400 450 500 550
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
TERTIARY
BATHURST ISLAND
FLAMINGO
PLOVER
MALITA
CAPE LONDONDERRY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD

TERN 1

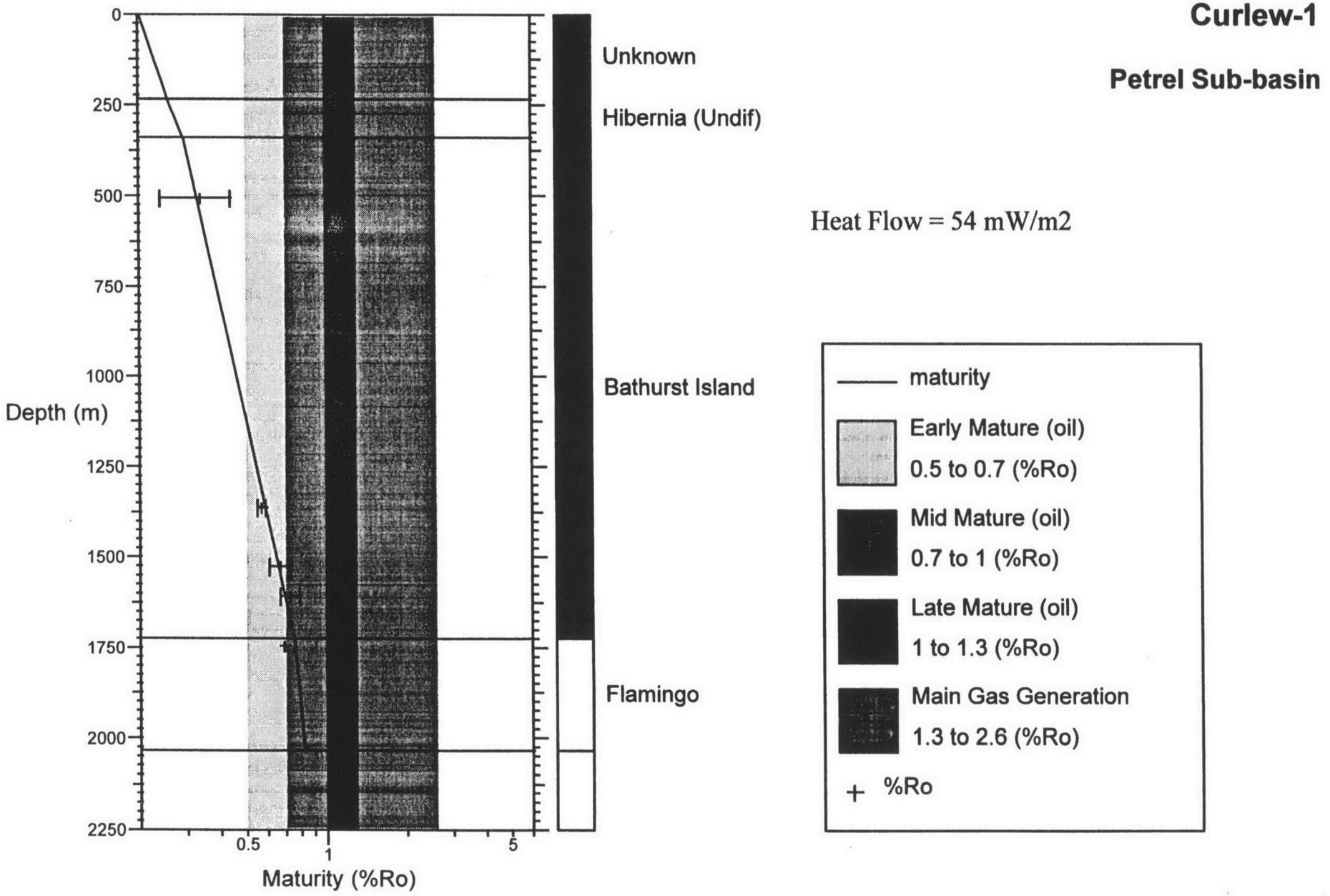

TERTIARY
BATHURST ISLAND
FLAMINGO
PLOVER
CAPE LONDONDERRY
MOUNT GOODWIN
HYLAND BAY
FOSSIL HEAD
KEYLING
TOC%
0.0 1.0 2.0 3.0 4.0
HI
0 100 200 300
Vit Ro%
0.0 1.0 2.0 3.0
Tmax
400 420 440 460 480
0
1000
2000
3000
4000

APPENDIX: 8

BURIAL HISTORY MODELS FOR SELECTED WELLS

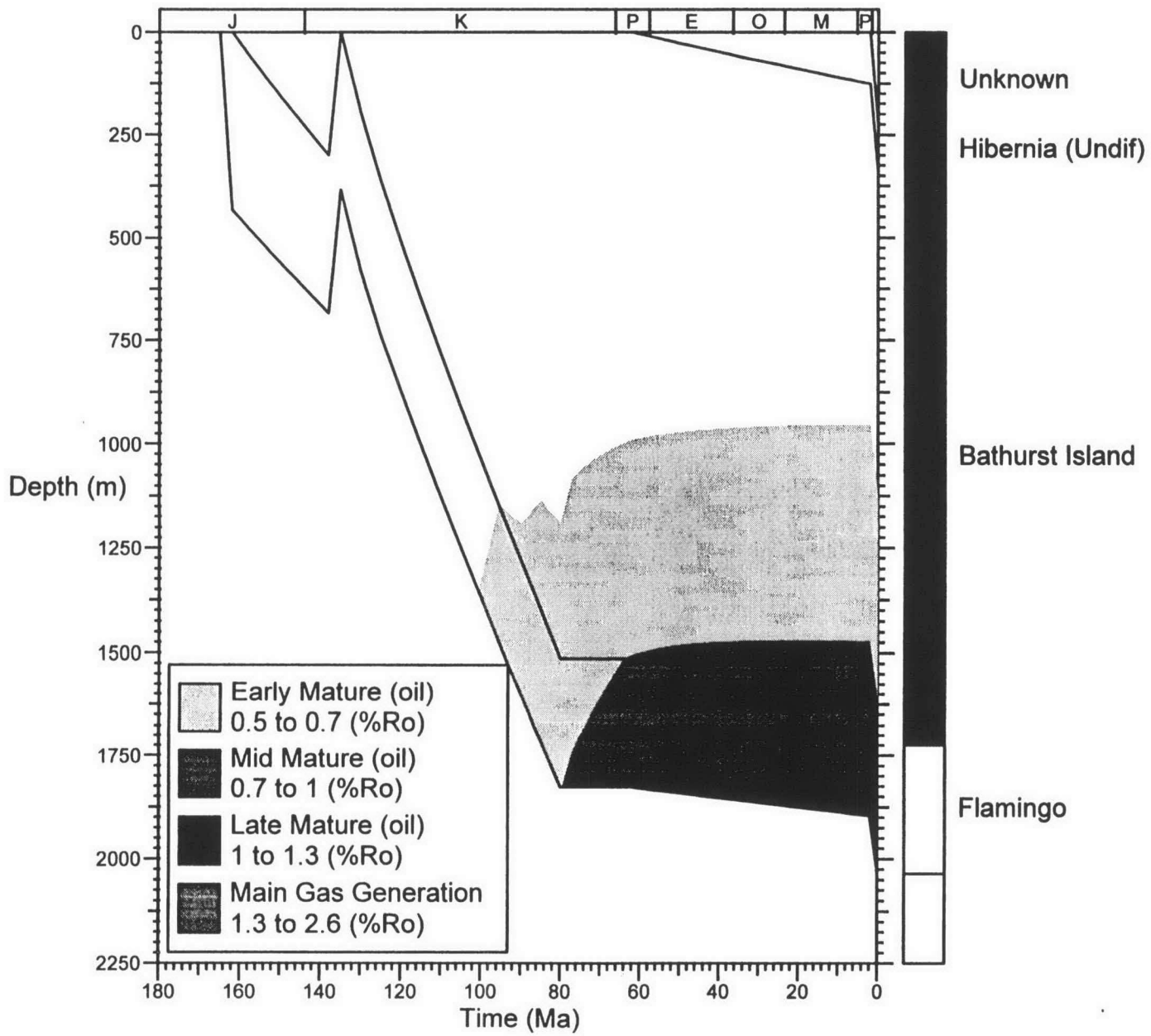
APPENDIX 8
BURIAL HISTORY MODELS
for the wells listed below:-

CURLEW 1
FLAMINGO 1
GULL 1
KEEP RIVER 1
KULSHILL 1
SKULL 1
TERN 1

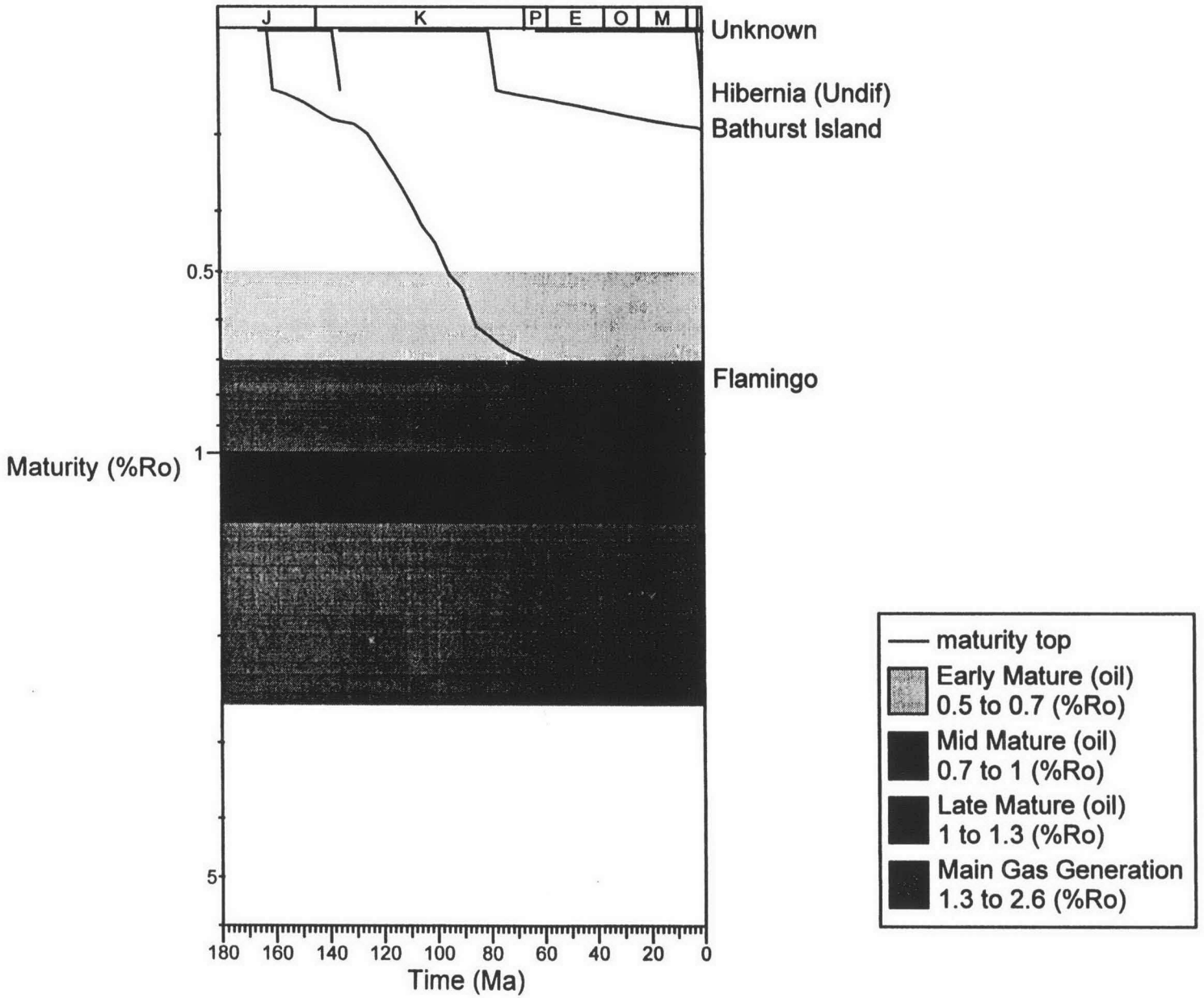

Curlew-1
Petrel Sub-basin
Heat Flow = 54 mW/m2
Depth (m)
0
250
500
750
1000
1250
1500
1750
2000
2250
0.5
1
5
Maturity (%Ro)
Unknown
Hibernia (Undif)
Bathurst Island
Flamingo
maturity
Early Mature (oil)
0.5 to 0.7 (%Ro)
Mid Mature (oil)
0.7 to 1 (%Ro)
Late Mature (oil)
1 to 1.3 (%Ro)
Main Gas Generation
1.3 to 2.6 (%Ro)
%Ro

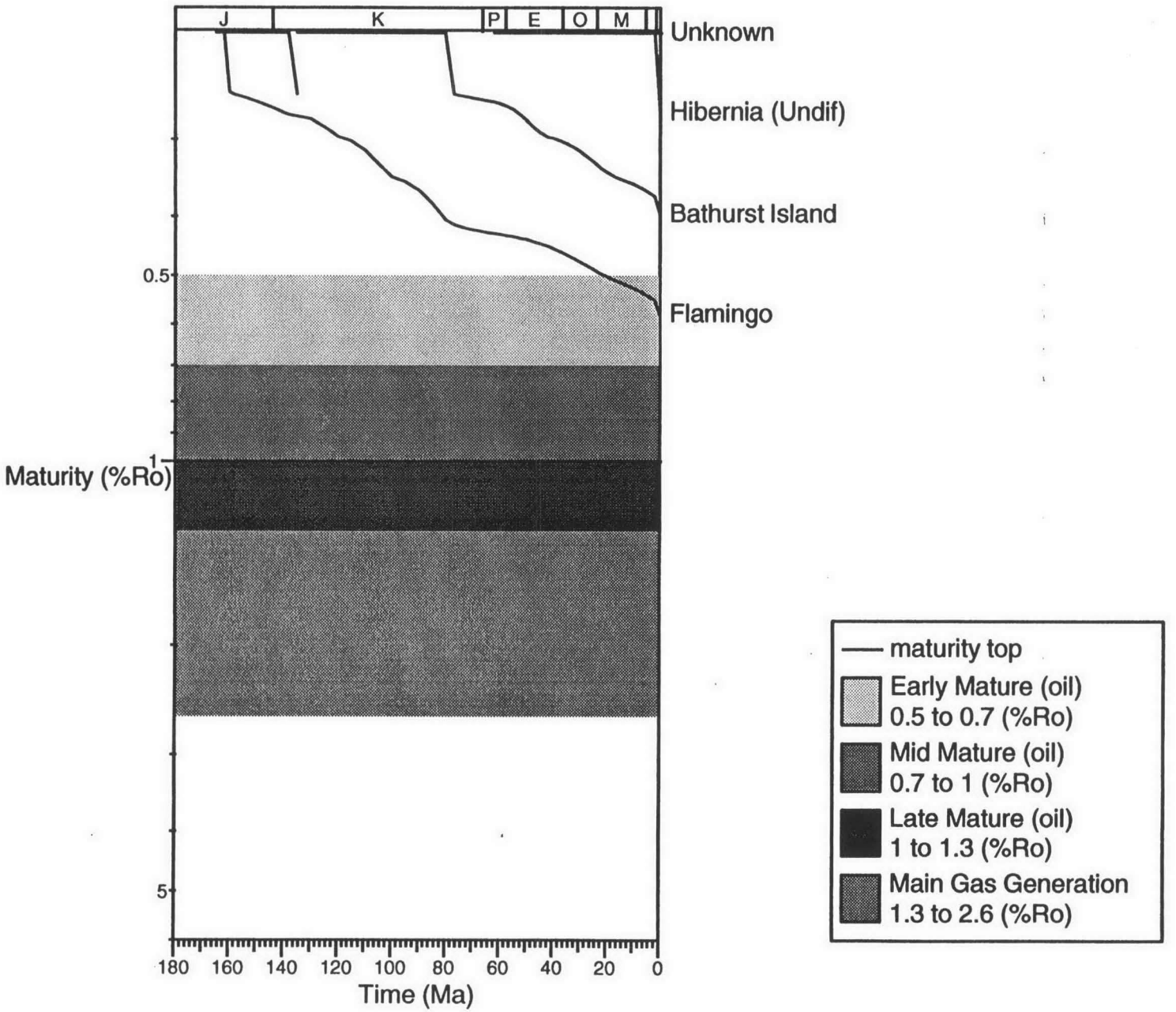
Curlew-1

Petrel Sub-basin

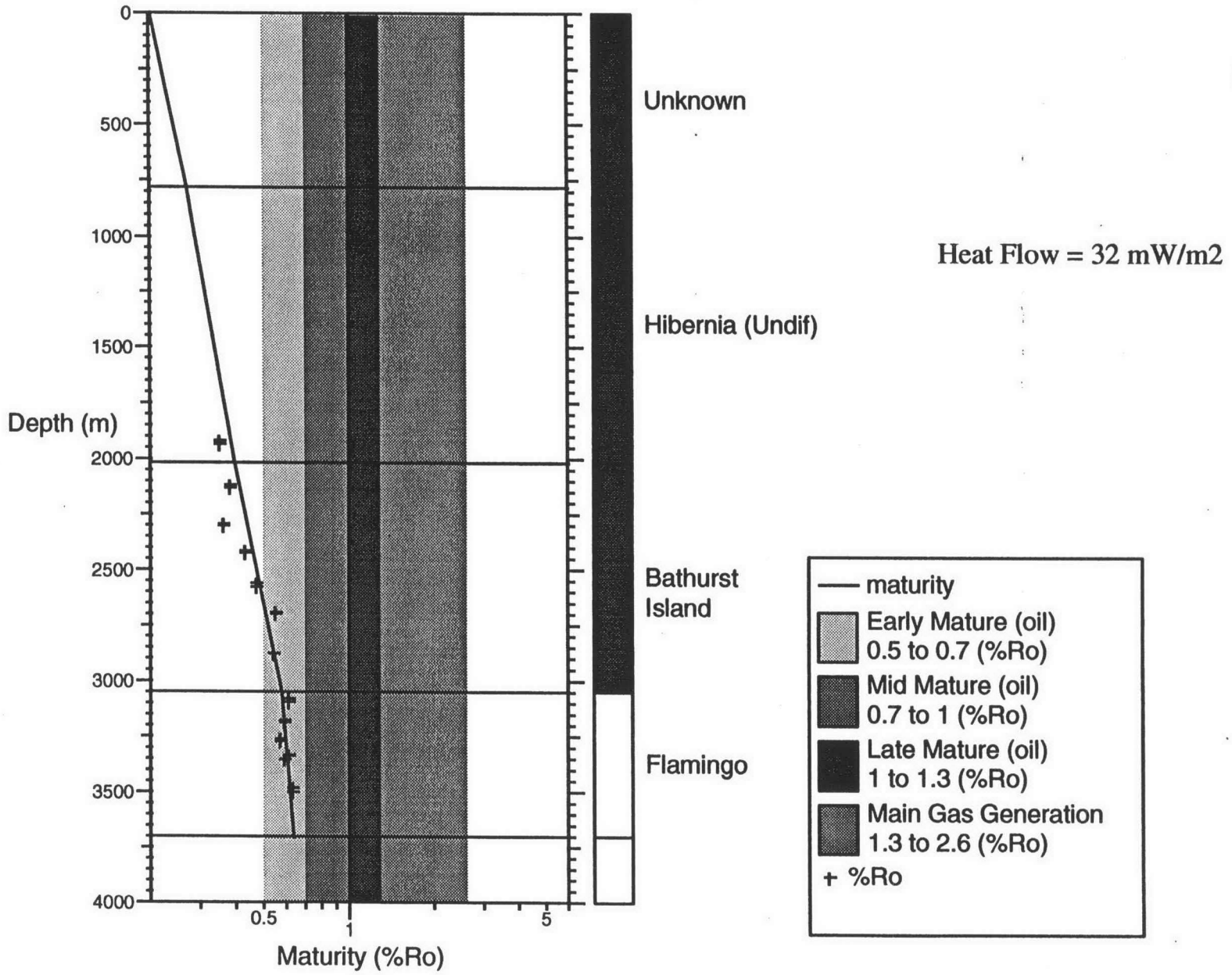


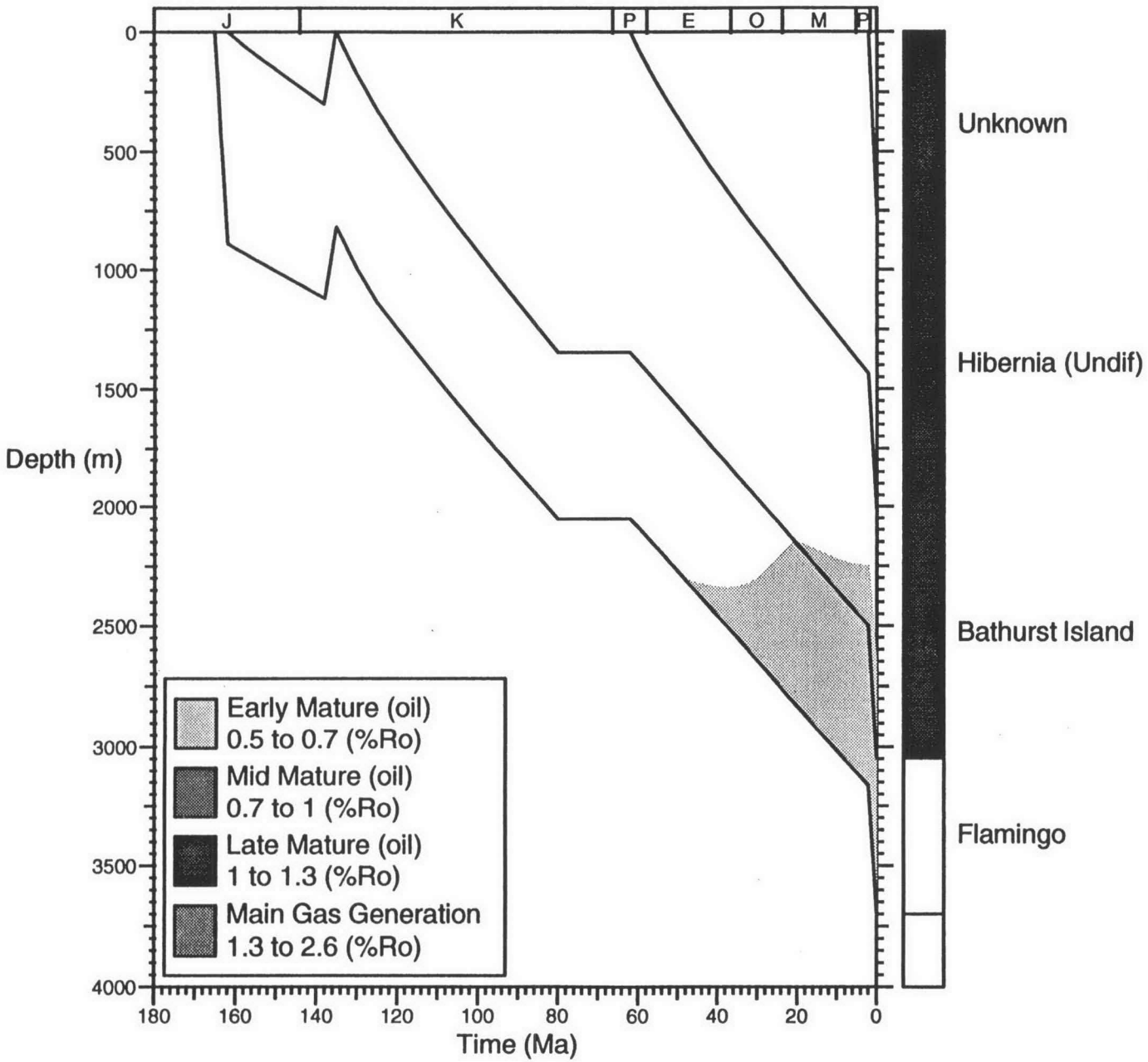
Curlew-1
Petrel Sub-basin



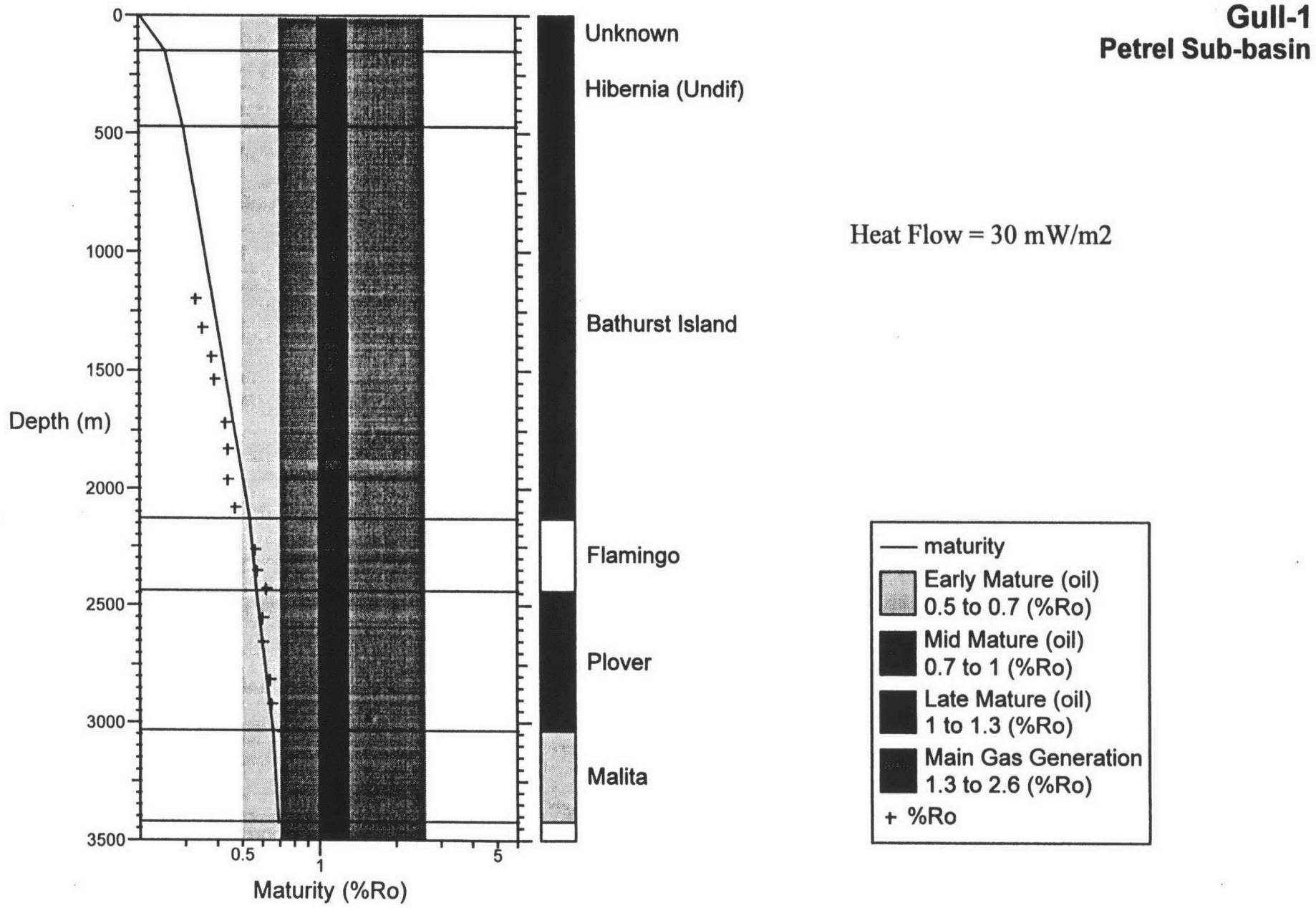


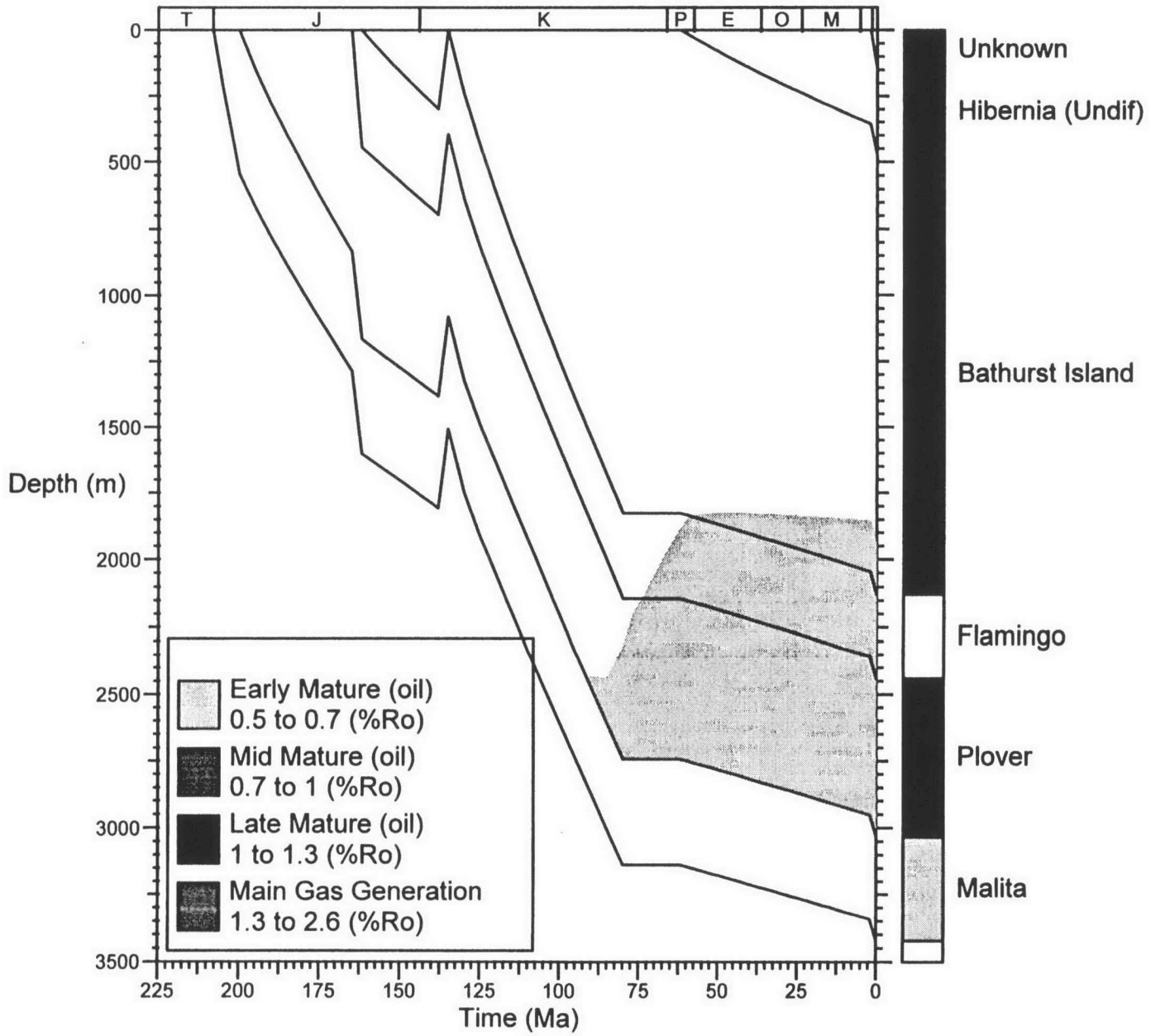
Flamingo-1
Sahul Platform


Flamingo-1
Sahul Platform
Heat Flow = 32 mW/m2
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
0.5
1
5
Maturity (%Ro)
Unknown
Hibernia (Undif)
Bathurst Island
Flamingo
maturity
Early Mature (oil) 0.5 to 0.7 (%Ro)
Mid Mature (oil) 0.7 to 1 (%Ro)
Late Mature (oil) 1 to 1.3 (%Ro)
Main Gas Generation 1.3 to 2.6 (%Ro)
+ %Ro



Flamingo-1
Sahul Platform

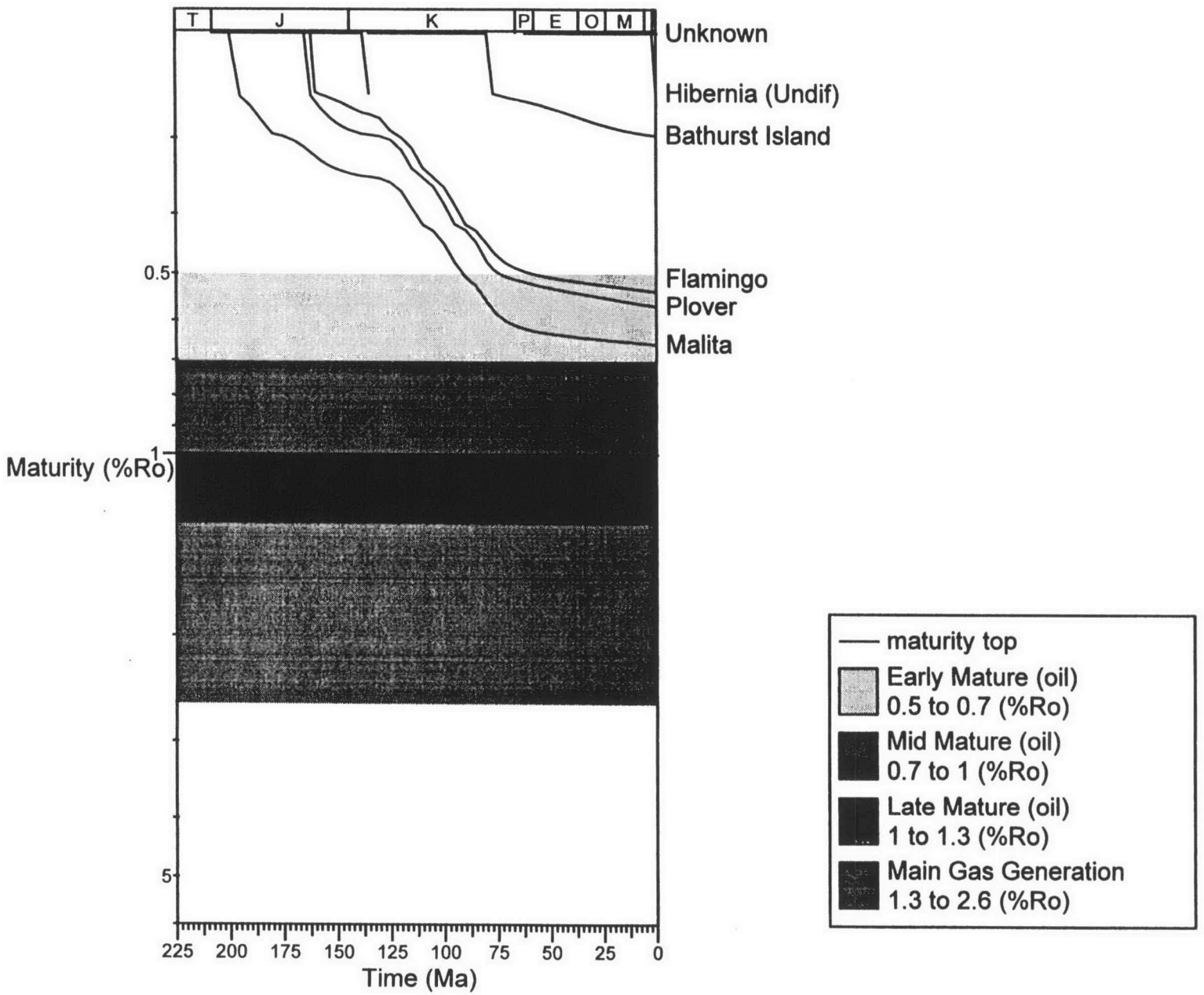

Gull-1
Petrel Sub-basin
Heat Flow = 30 mW/m2
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
0.5
1
5
Maturity (%Ro)
Unknown
Hibernia (Undif)
Bathurst Island
Flamingo
Plover
Malita
maturity
Early Mature (oil)
0.5 to 0.7 (%Ro)
Mid Mature (oil)
0.7 to 1 (%Ro)
Late Mature (oil)
1 to 1.3 (%Ro)
Main Gas Generation
1.3 to 2.6 (%Ro)
+ %Ro



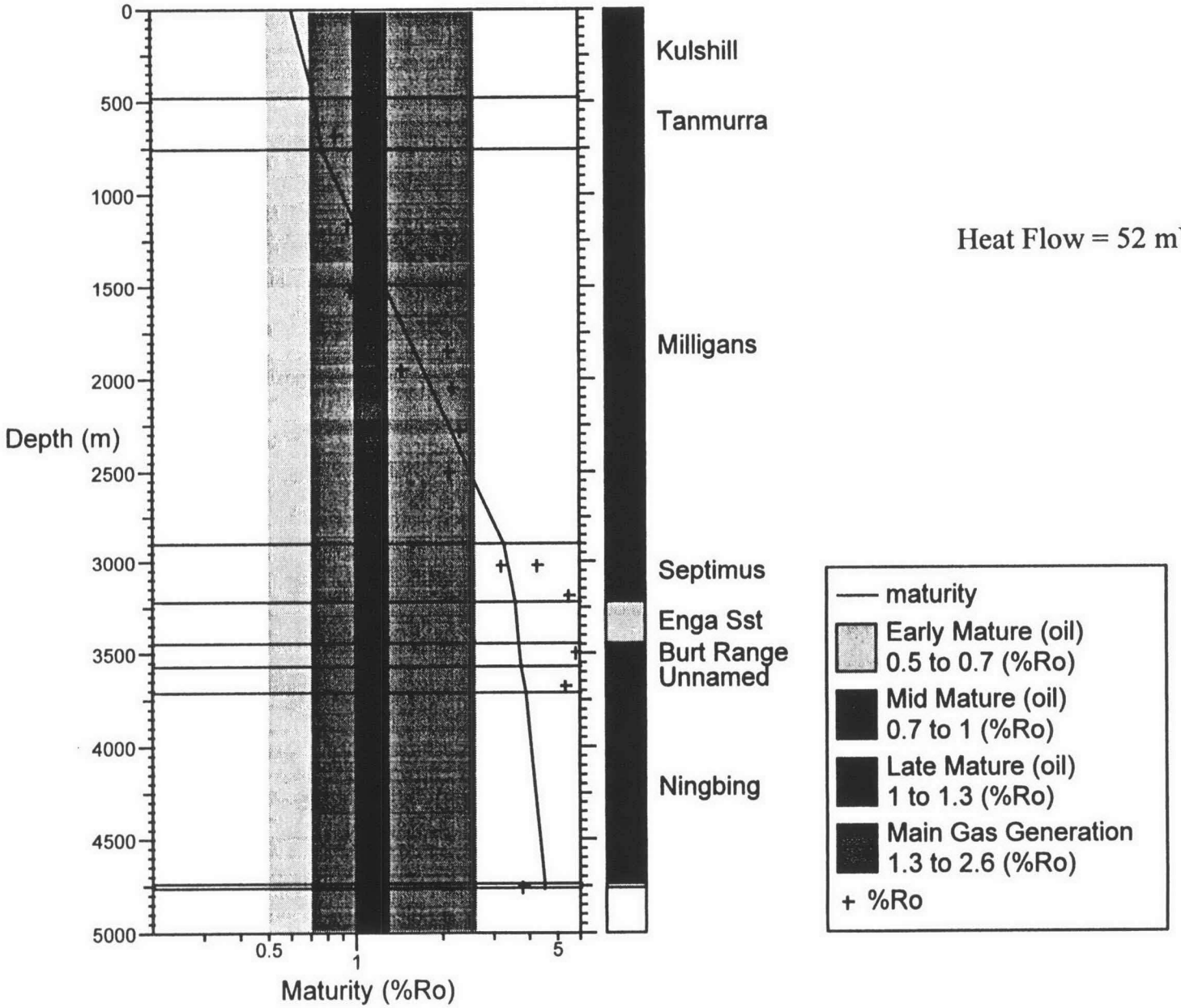
Gull-1

Petrel Sub-basin

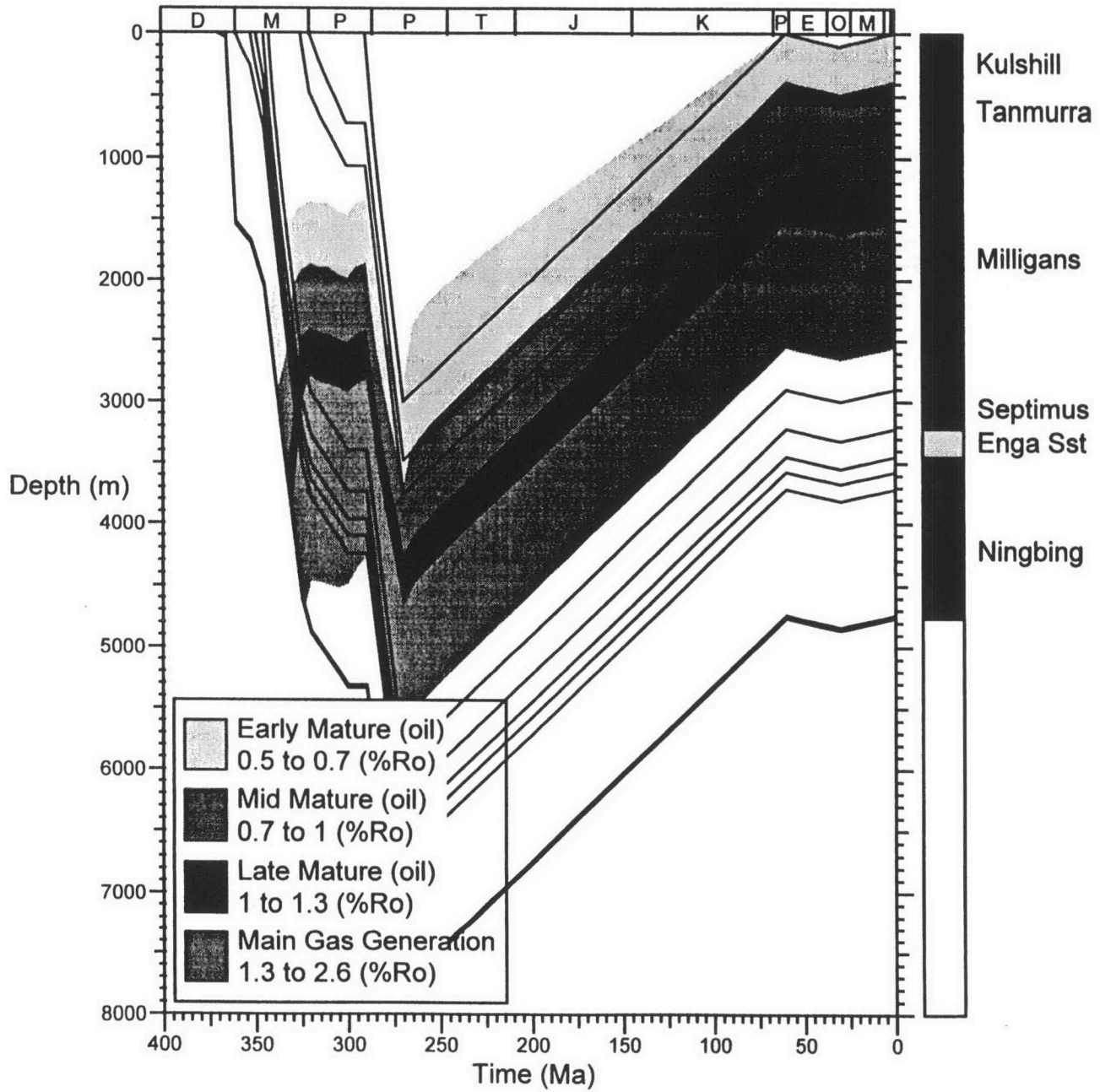
Gull-1
Petrel Sub-basin



Keep River-1
Petrel Sub-basin

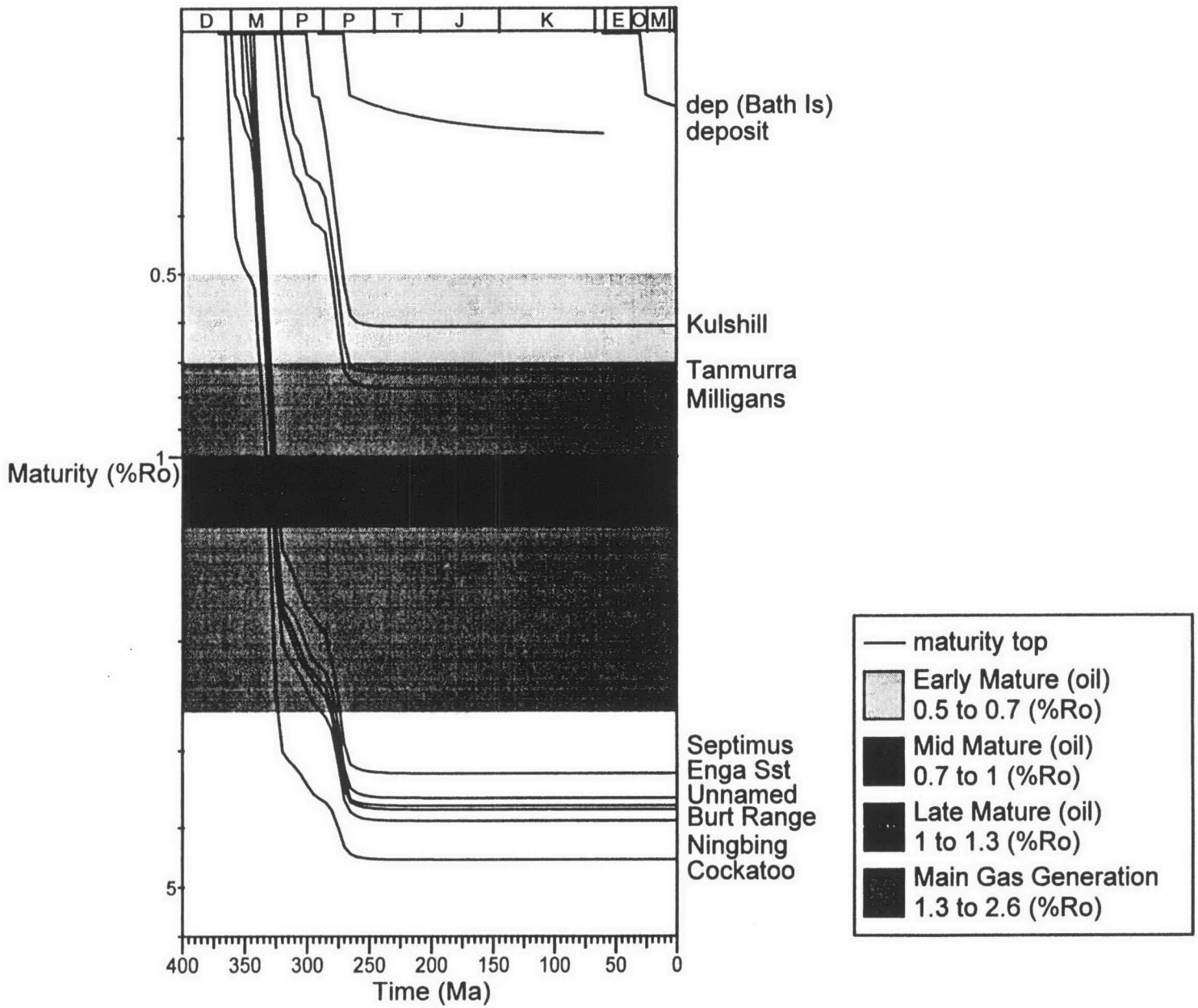


Heat Flow = 52 mW/m2

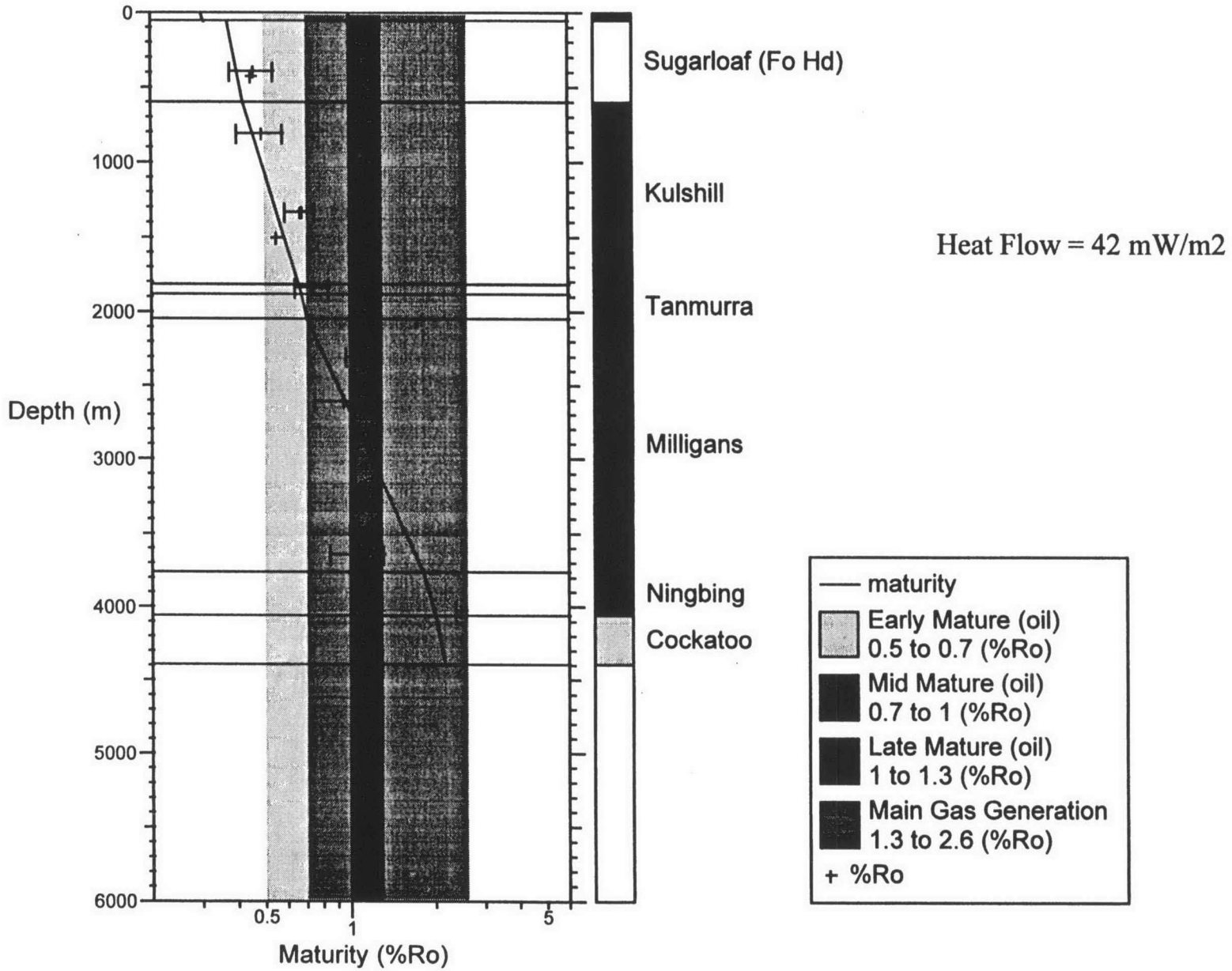


Keep River-1
Petrel Sub-basin

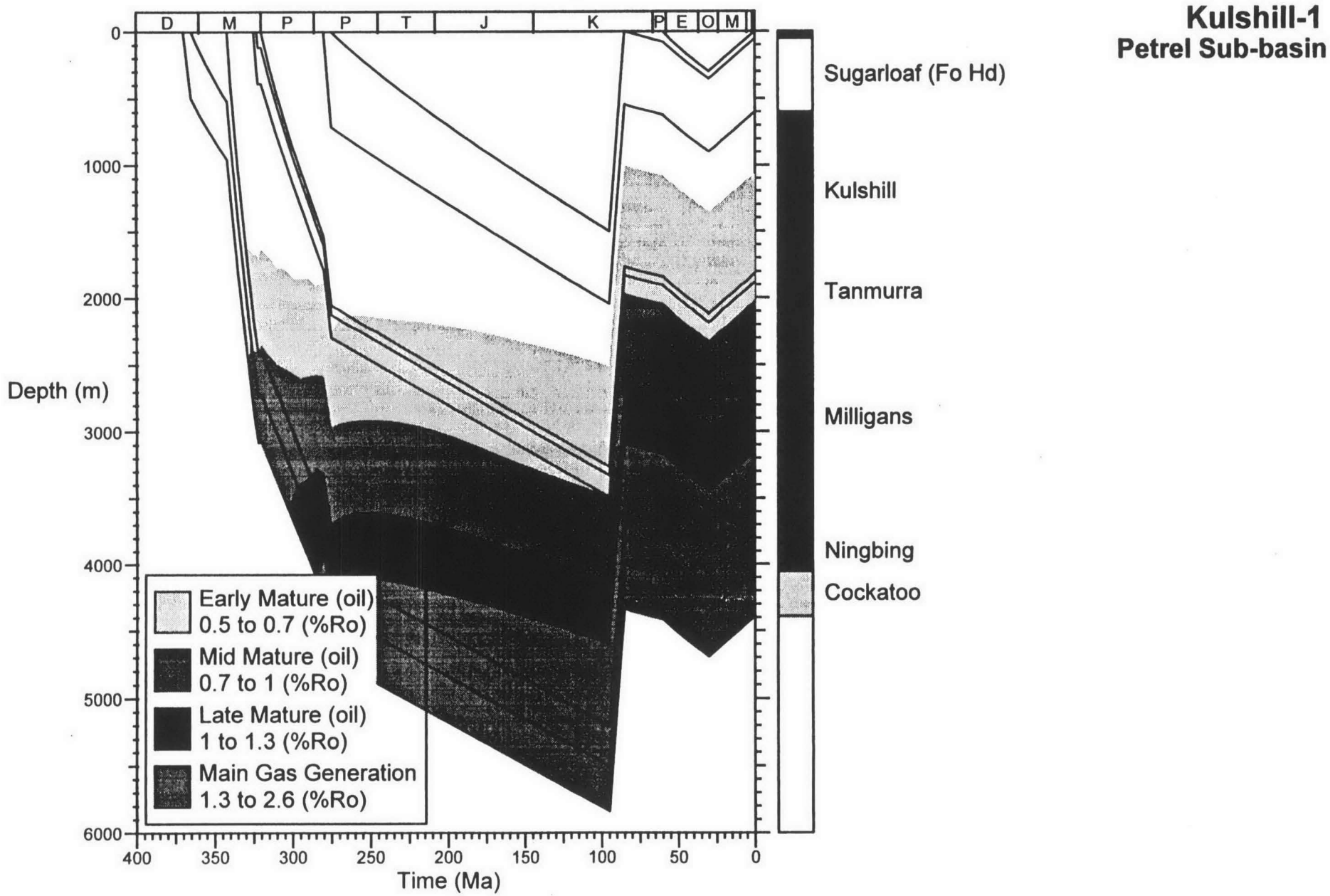
Keep River-1
Petrel Sub-basin



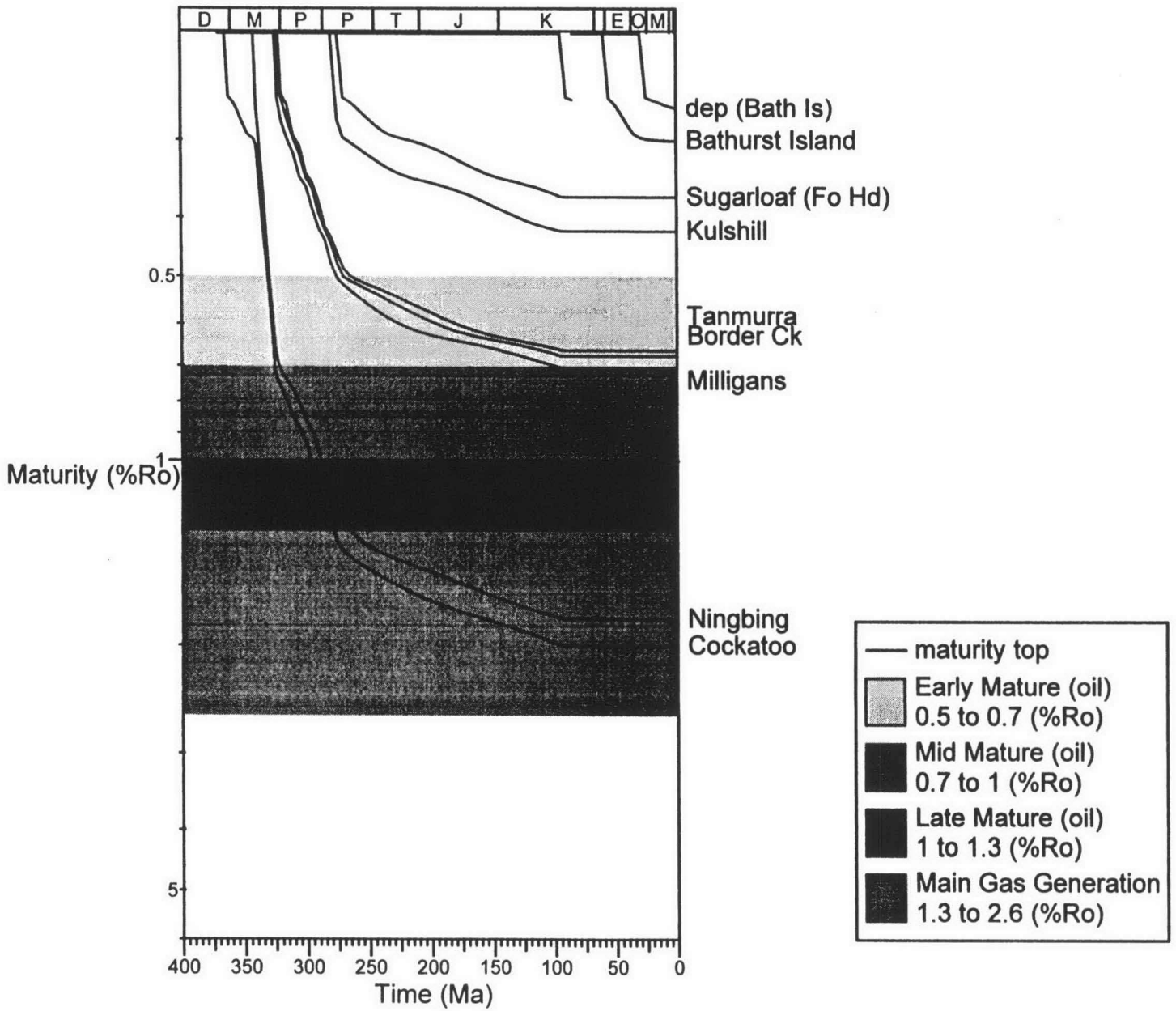
Kulshill-1
Petrel Sub-basin



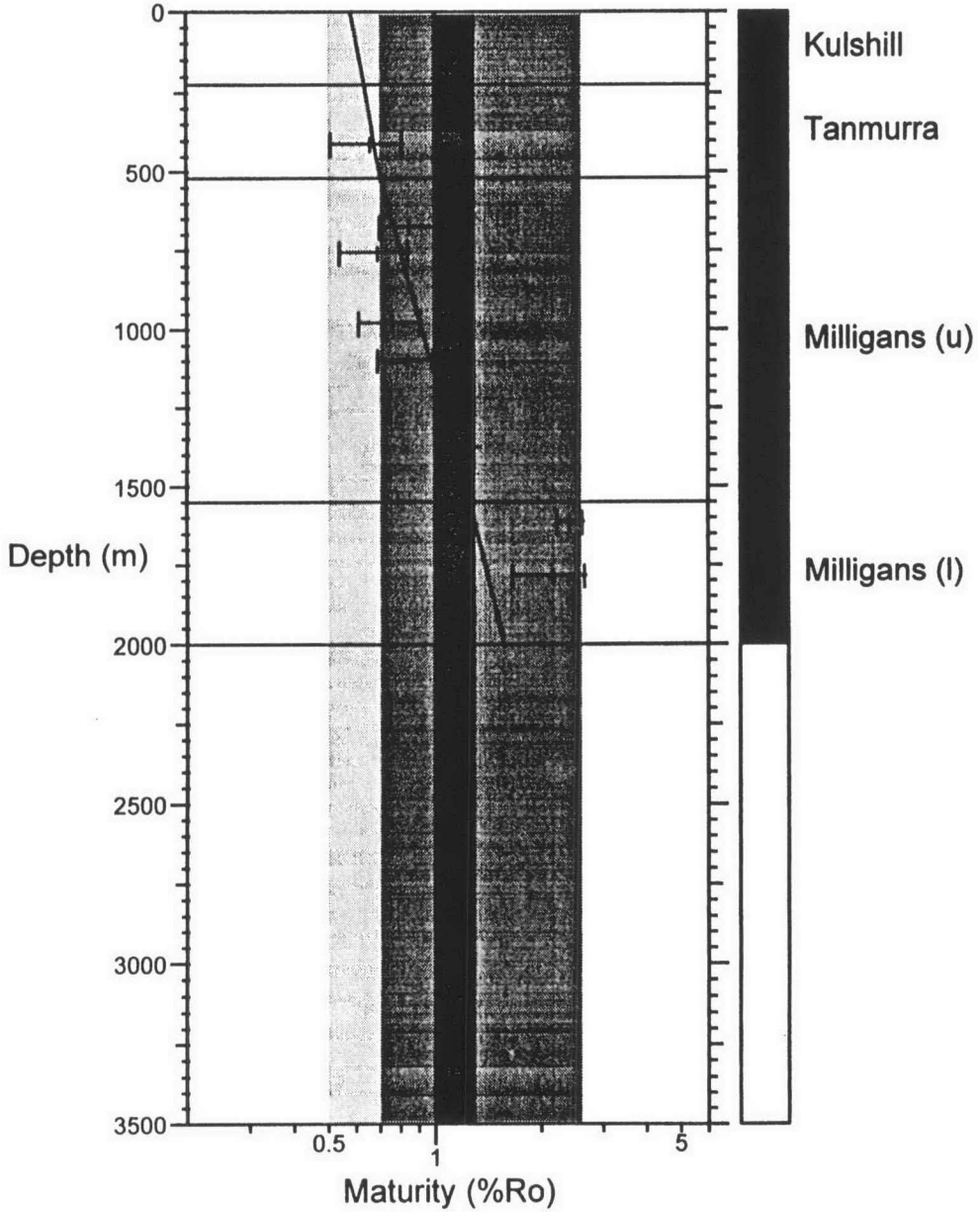
Heat Flow = 42 mW/m2


Kulshill-1
Petrel Sub-basin
D
M
P
P
T
J
K
P
E
O
M
Depth (m)
0
1000
2000
3000
4000
5000
6000
400
350
300
250
200
150
100
50
0
Time (Ma)
Early Mature (oil)
0.5 to 0.7 (%Ro)
Mid Mature (oil)
0.7 to 1 (%Ro)
Late Mature (oil)
1 to 1.3 (%Ro)
Main Gas Generation
1.3 to 2.6 (%Ro)
Sugarloaf (Fo Hd)
Kulshill
Tanmurra
Milligans
Ningbing
Cockatoo

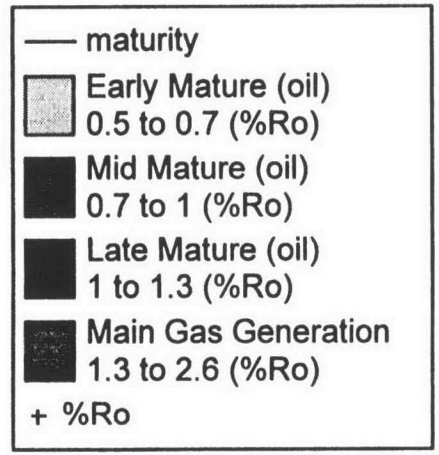
Kulshill-1
Petrel Sub-basin



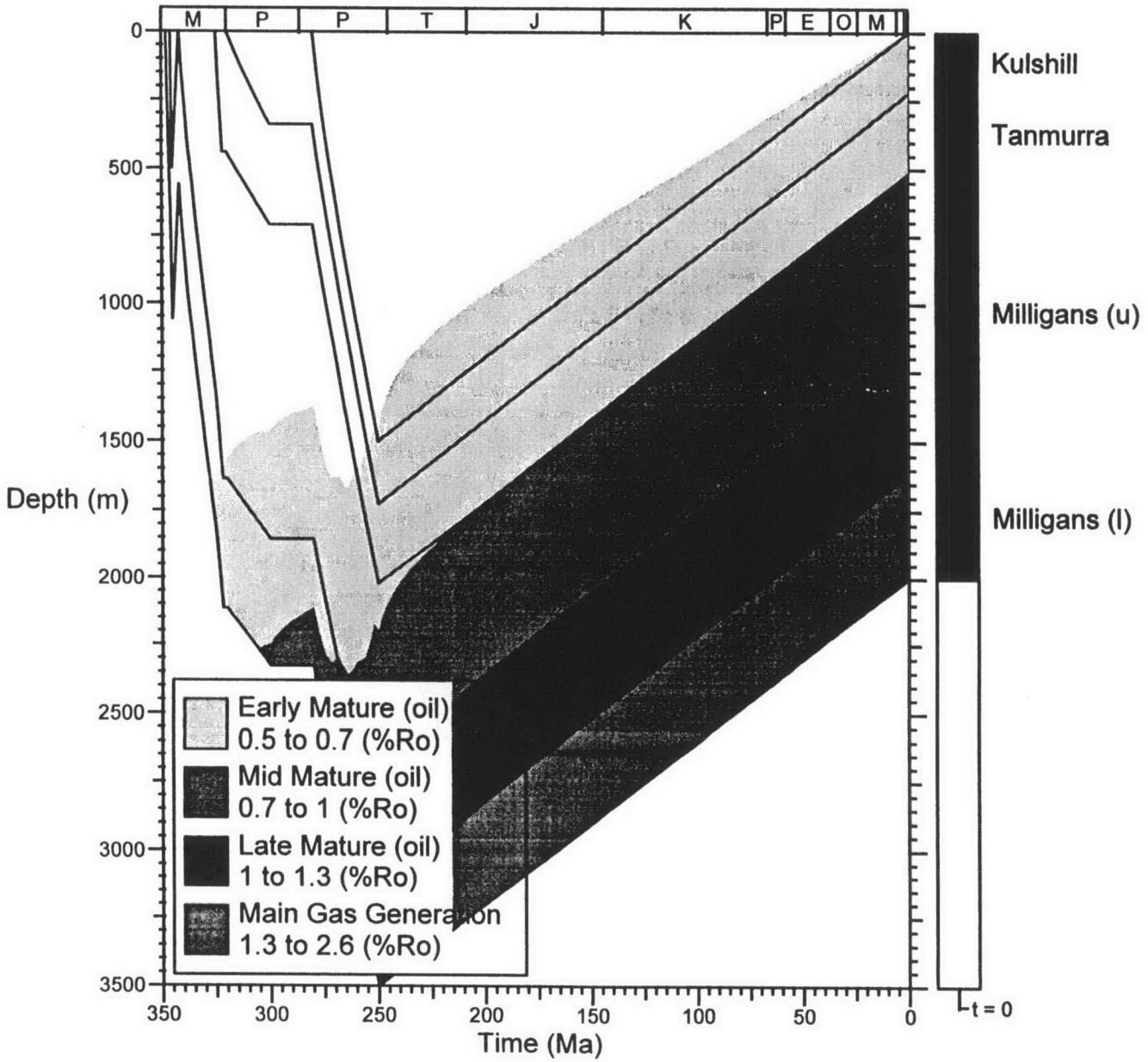
Skull-1
Petrel Sub-basin



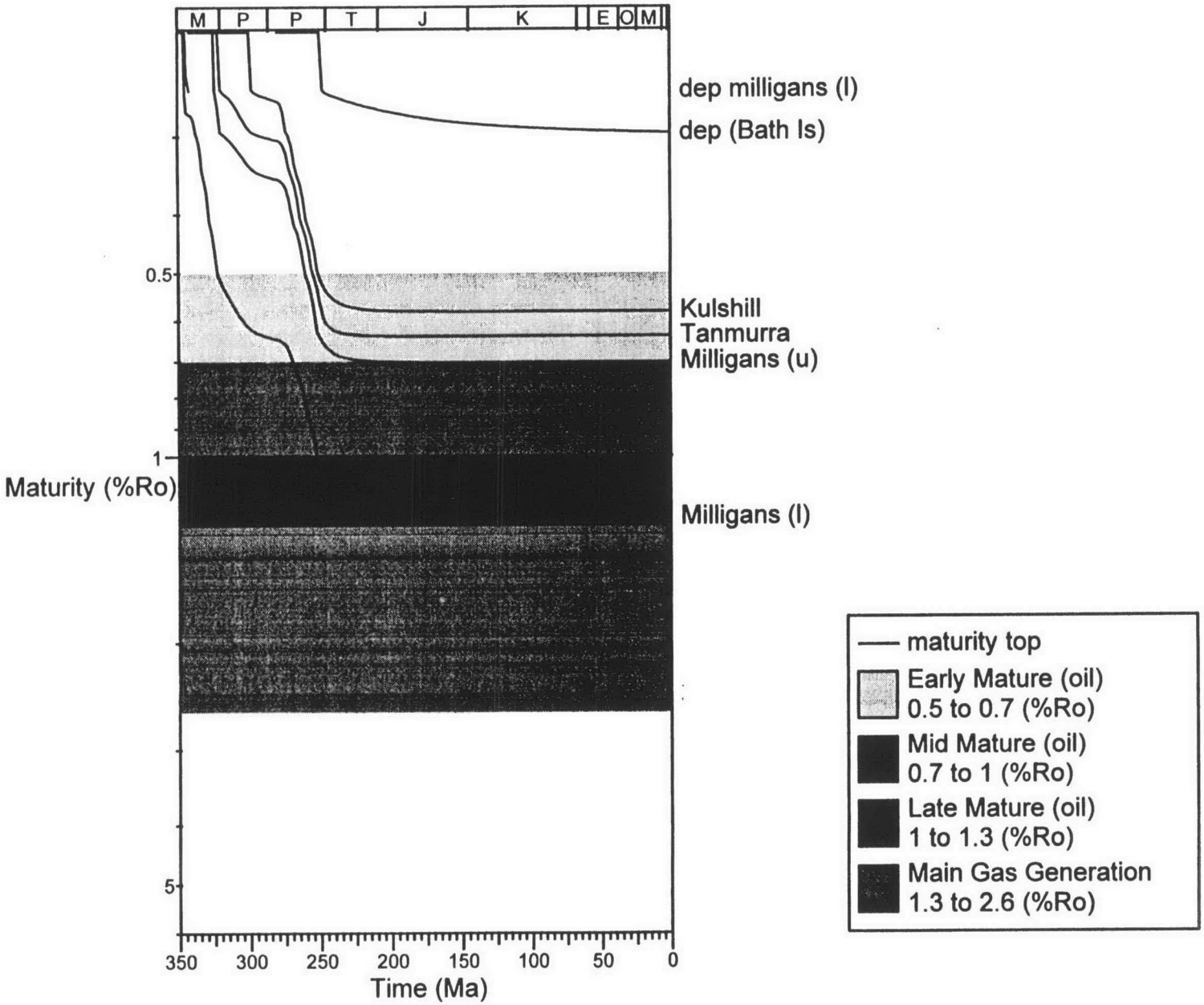
Heat Flow = 45mW/m2



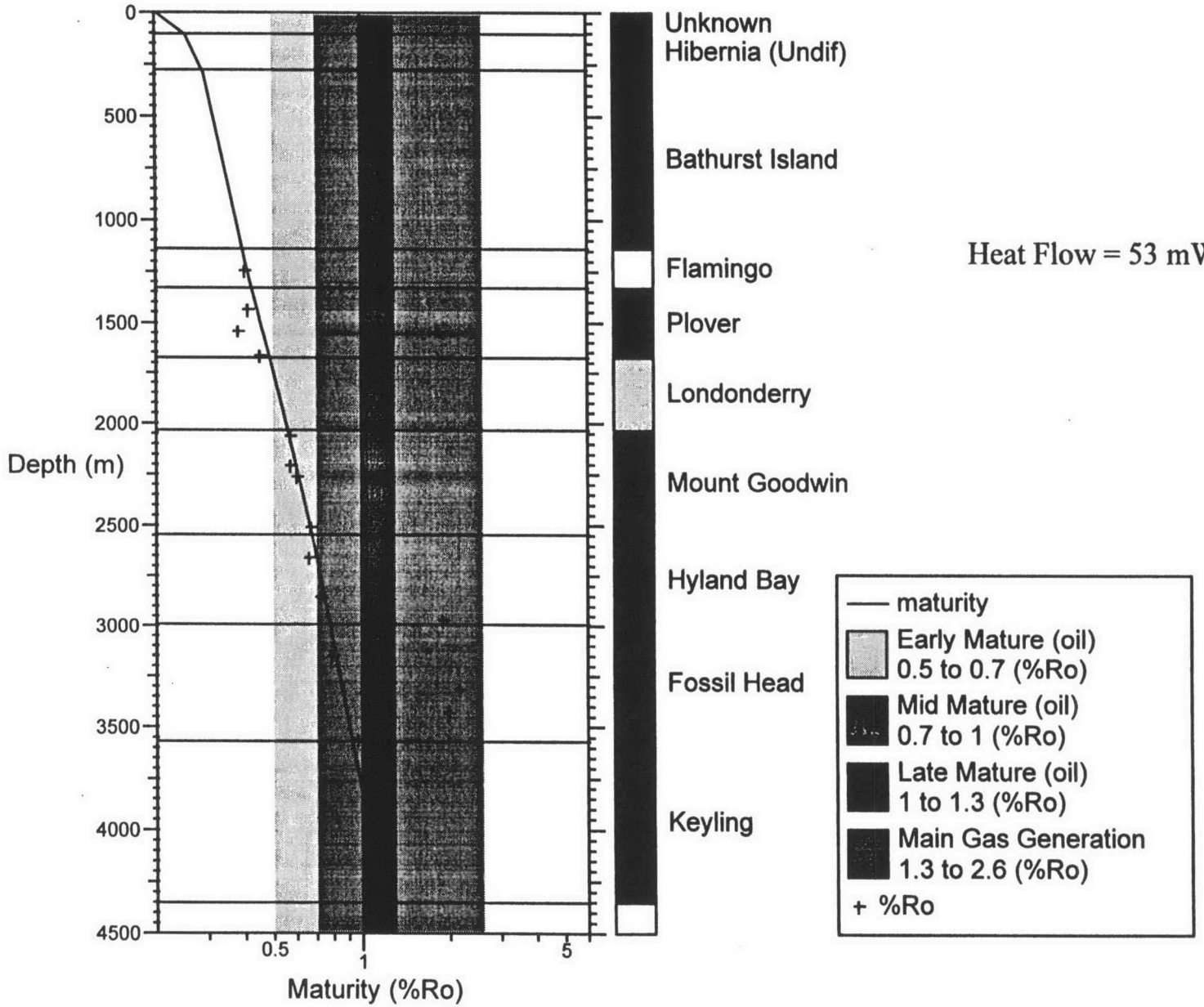
Skull-1
Petrel Sub-basin



Skull-1
Petrel Sub-basin

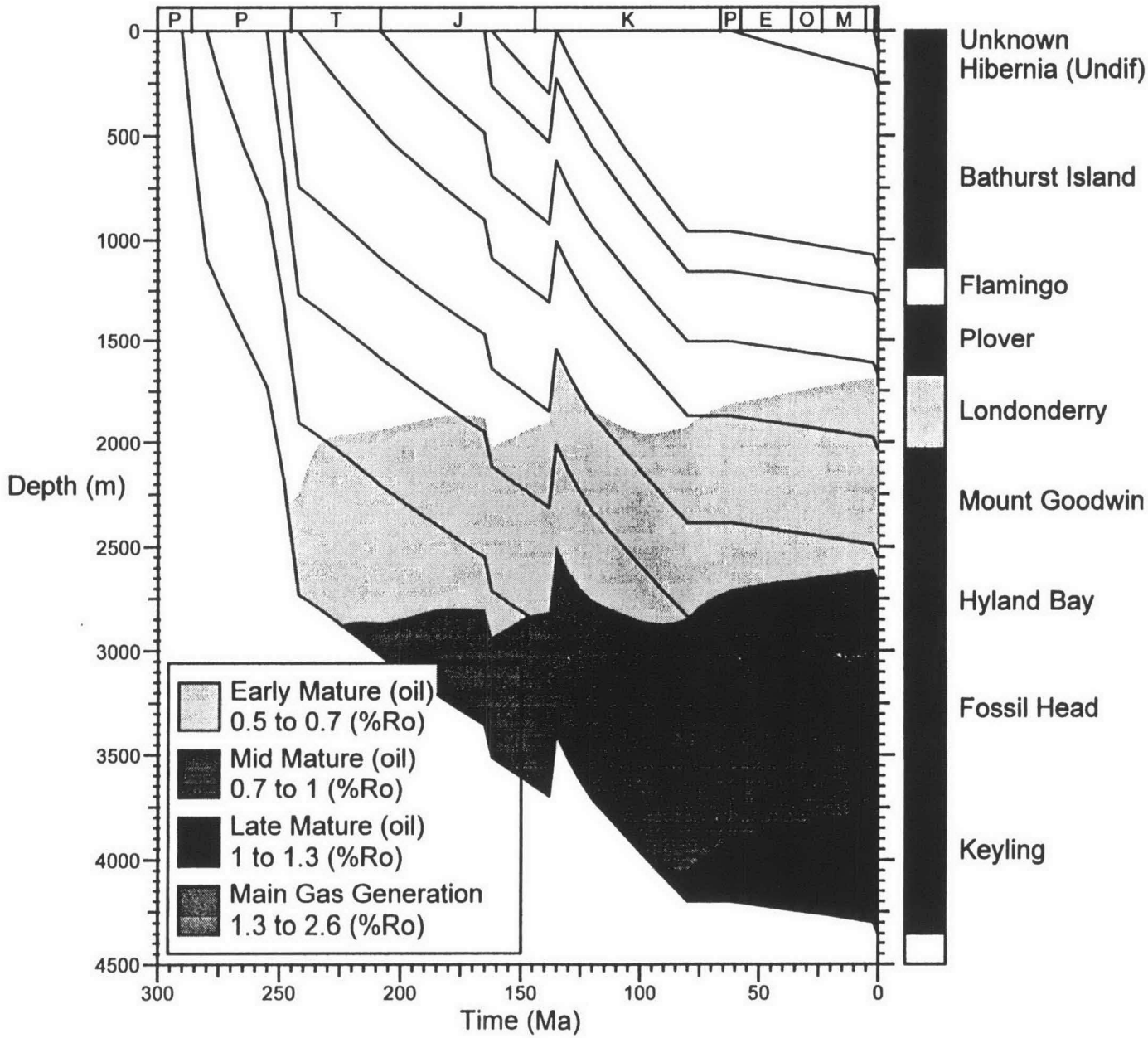


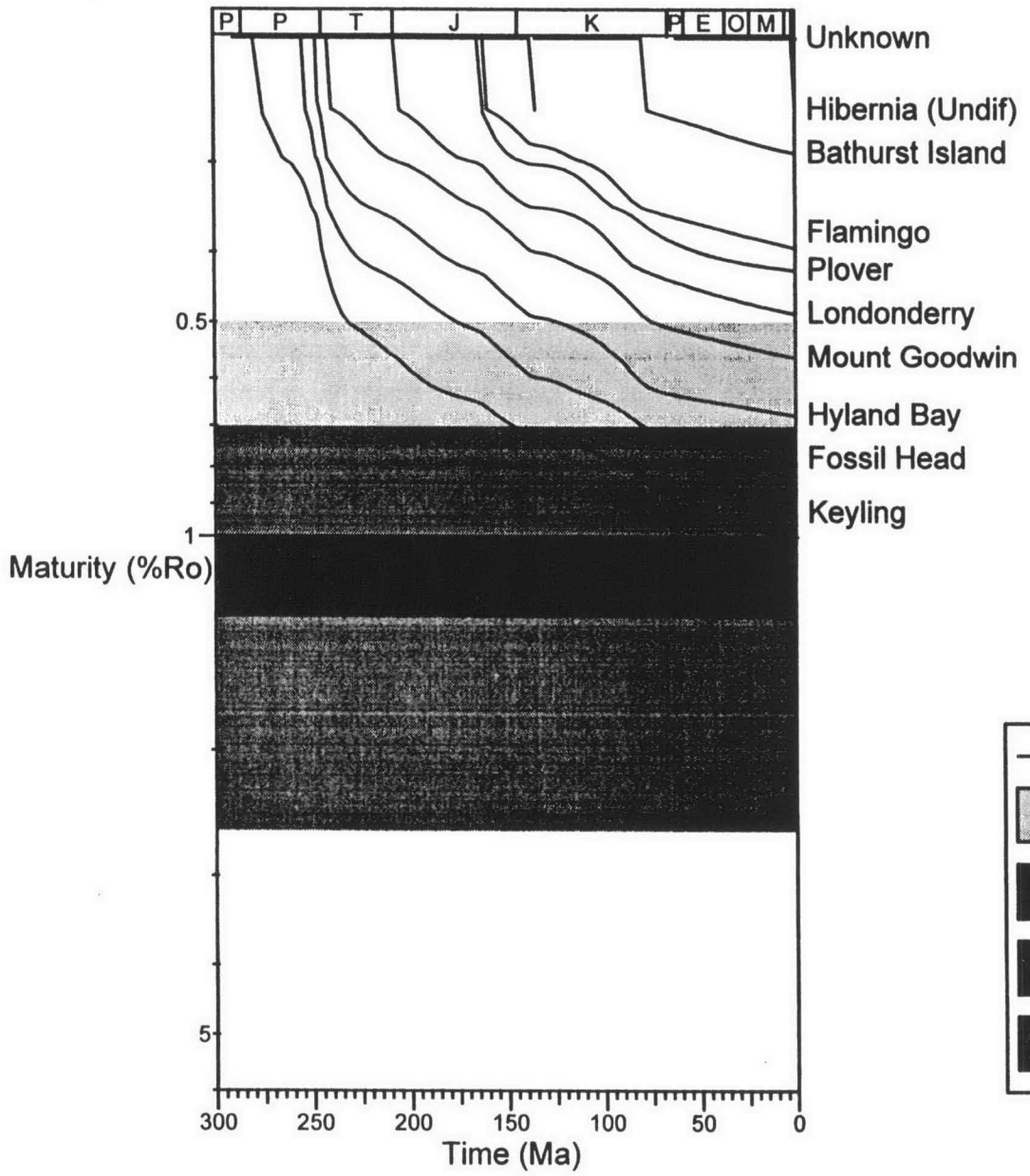
Tern-1
Petrel Sub-basin



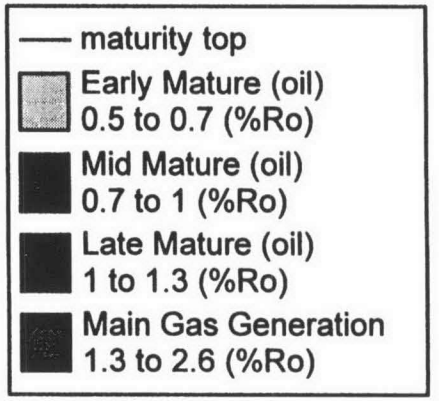
Heat Flow = 53 mW/m2

Tern-1
Petrel Sub-basin





Tern-1
Petrel Sub-basin



APPENDIX: 9

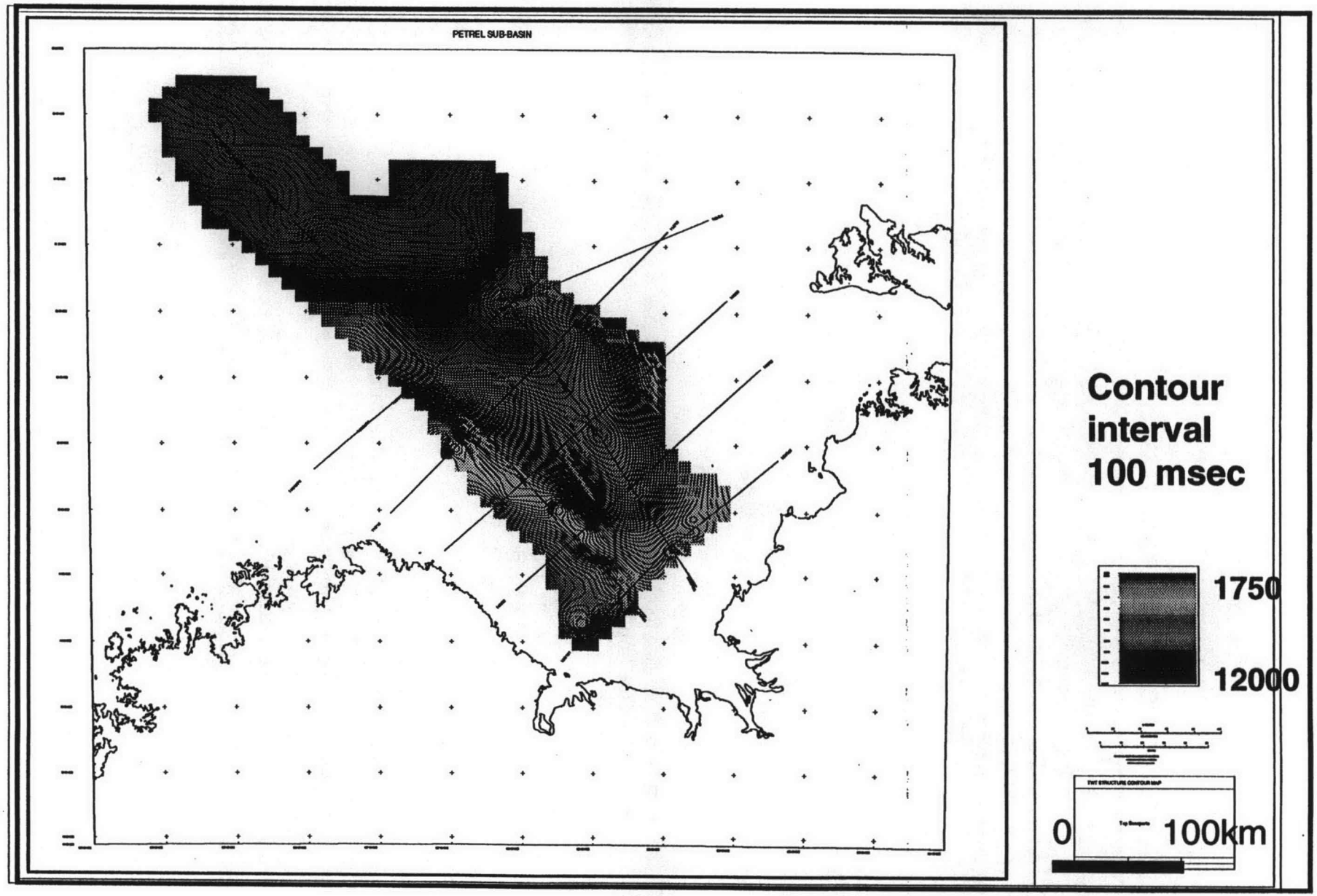
TIME STRUCTURE CONTOURS AND ISOCHRONS DERIVED FROM AGSO DEEP SEISMIC DATA

APPENDIX 9
TWT STRUCTURE CONTOURS AND ISOCHRONS
DERIVED FROM AGSO DEEP SEISMIC DATA

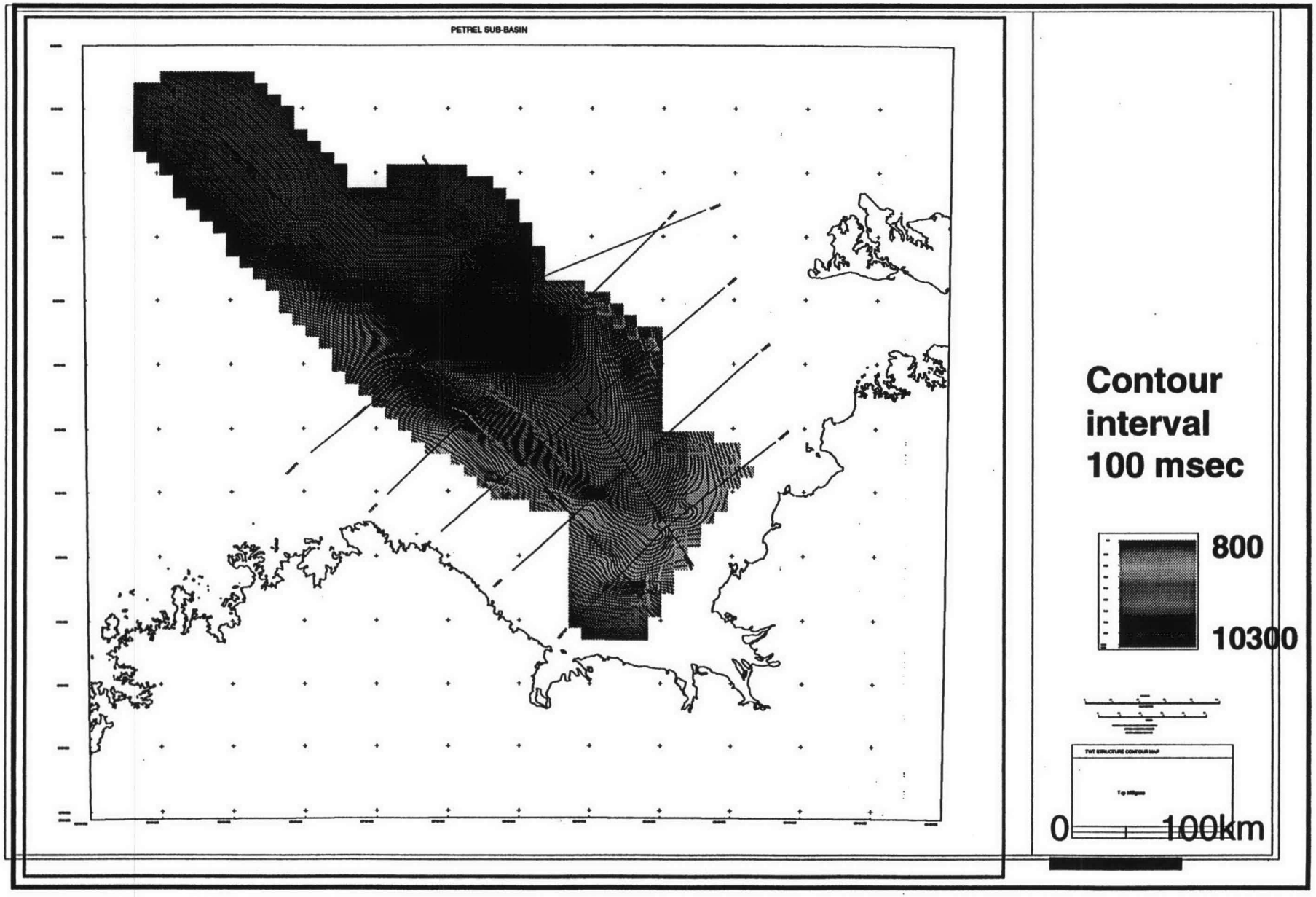
TWT STRUCTURE CONTOUR MAPS
Top Bonaparte
Top Milligans
Top Point Spring
Base Diamictite (top Kuriyippi)
Top Treachery
Top Keyling
Top H5 (Fossil Head)
Top H4
Top Mount Goodwin
Top Cape Londonderry
Top Malita
Top Plover
Top Flamingo
Top Bathurst Island

TWT ISOCHRON MAPS
Top Milligans to top Bonaparte
Top Point Spring to top Milligans
Base Diamictite (top Kuriyippi) to top Point Spring
Base Diamictite (top Kuriyippi) to top Bonaparte
Top Treachery to base Diamictite (top Kuriyippi)
Top Keyling to base Diamictite (top Kuriyippi)
Top Keyling to top Treachery
Top H5 (Fossil Head) to top Keyling
Top H4 to H5 (Fossil Head)
H4 to base Diamictite
Top Mount Goodwin to H4
Top Cape Londonderry to top Mount Goodwin
Top Malita to top Cape Londonderry
Top Plover to top Malita
Top Flamingo to top Plover
Top Bathurst Island to top Flamingo

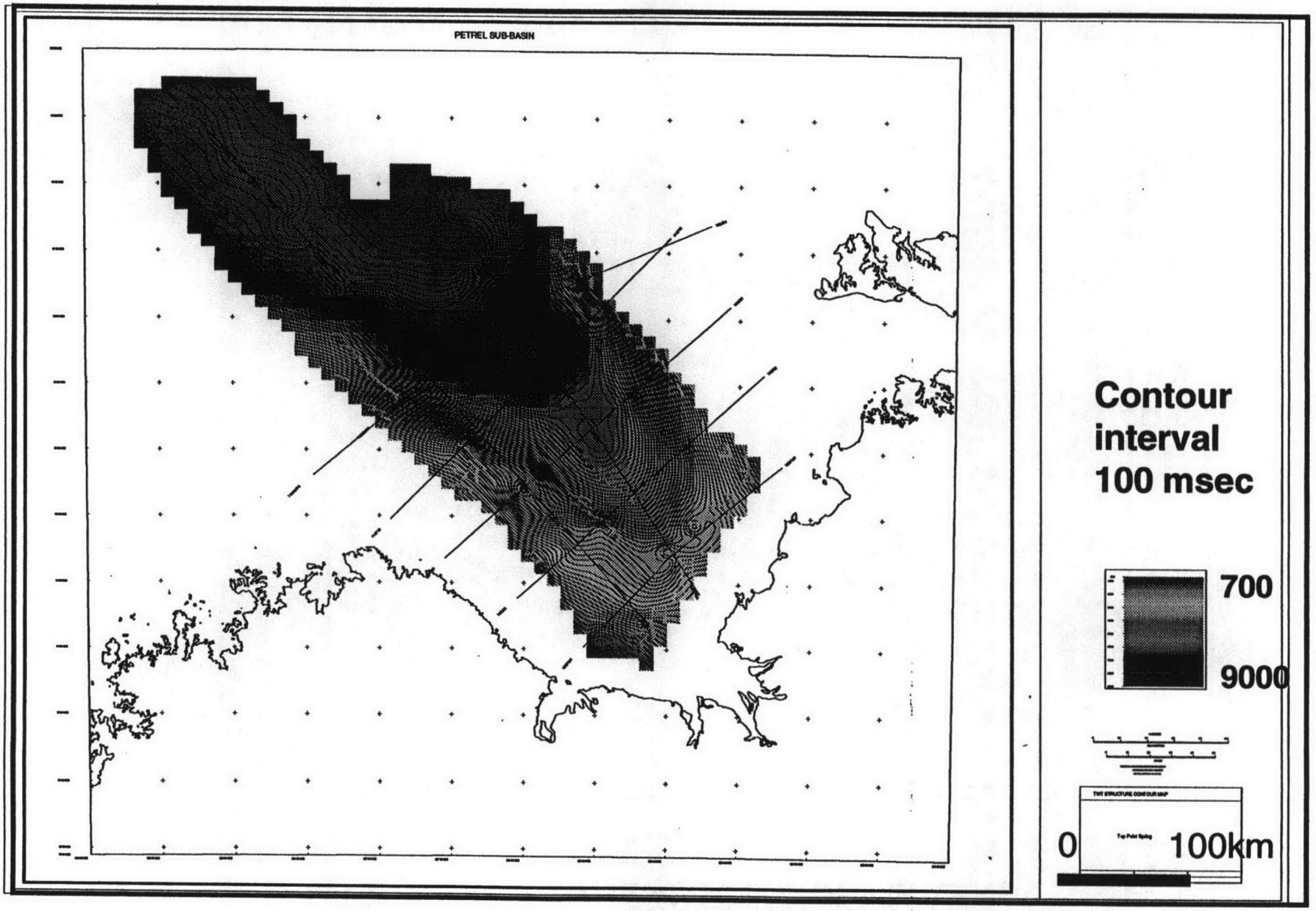
TWT STRUCTURE CONTOUR MAP
Top Bonaparte



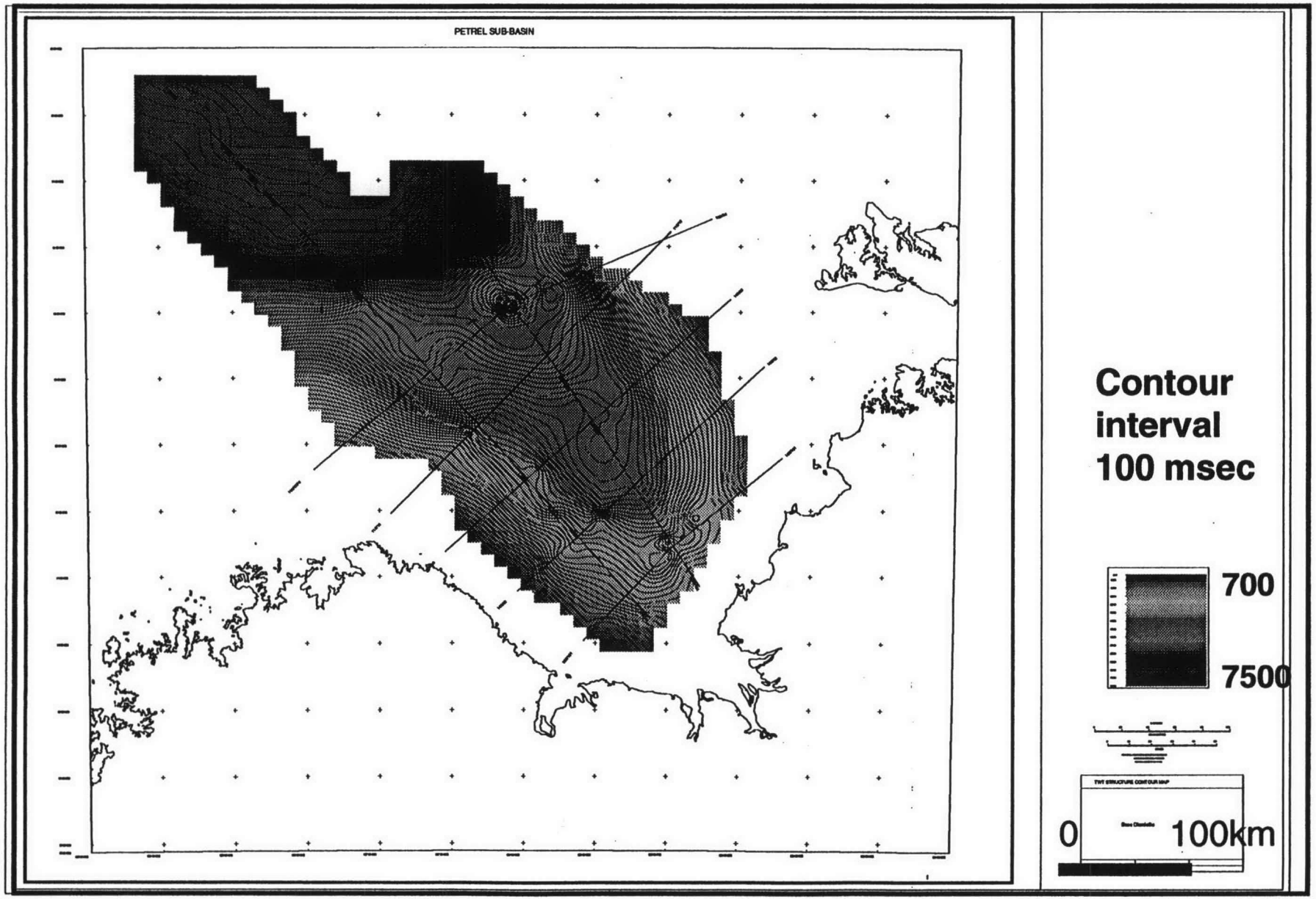
TWT STRUCTURE CONTOUR MAP
Top Milligans



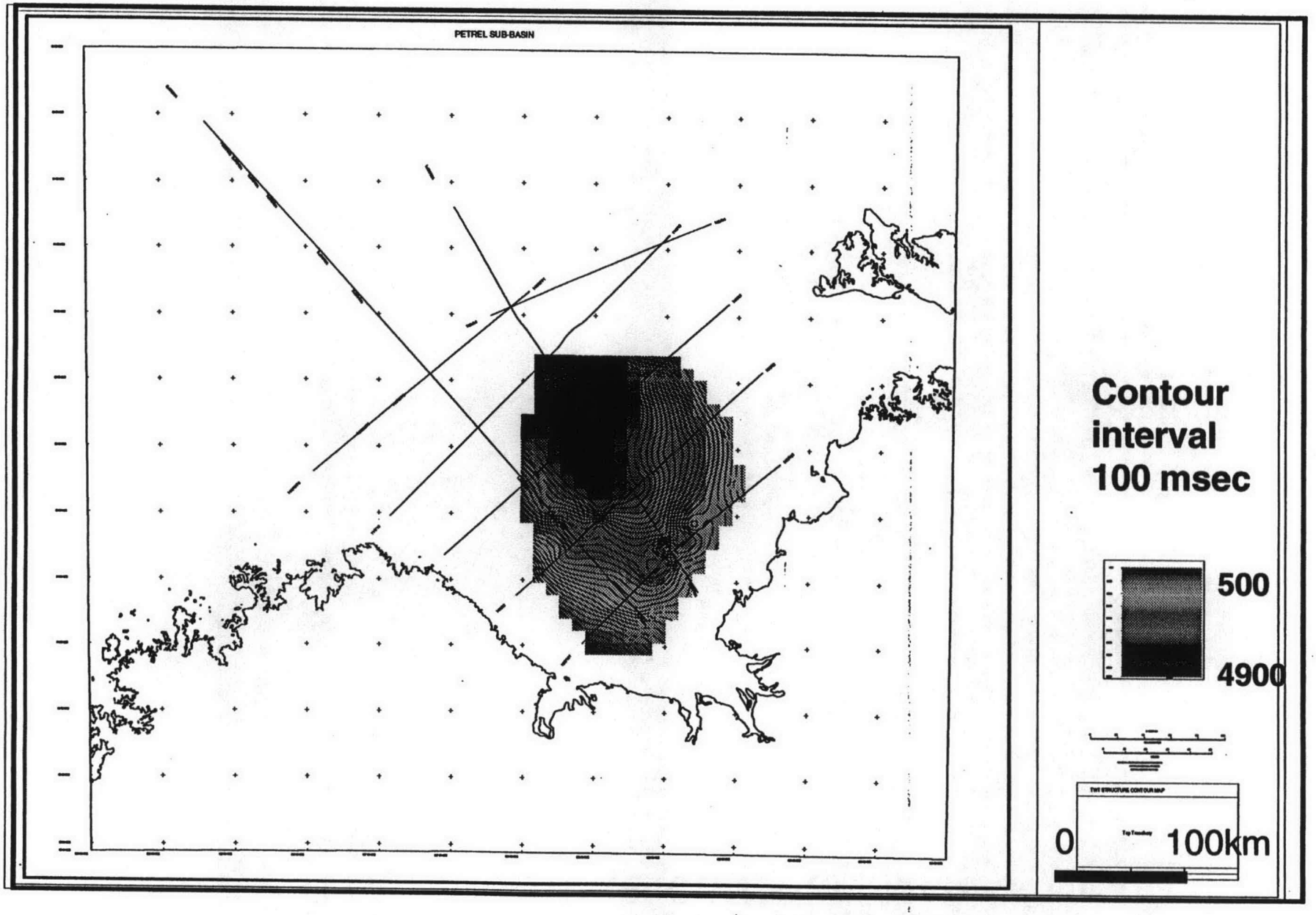
TWT STRUCTURE CONTOUR MAP
Top Point Spring



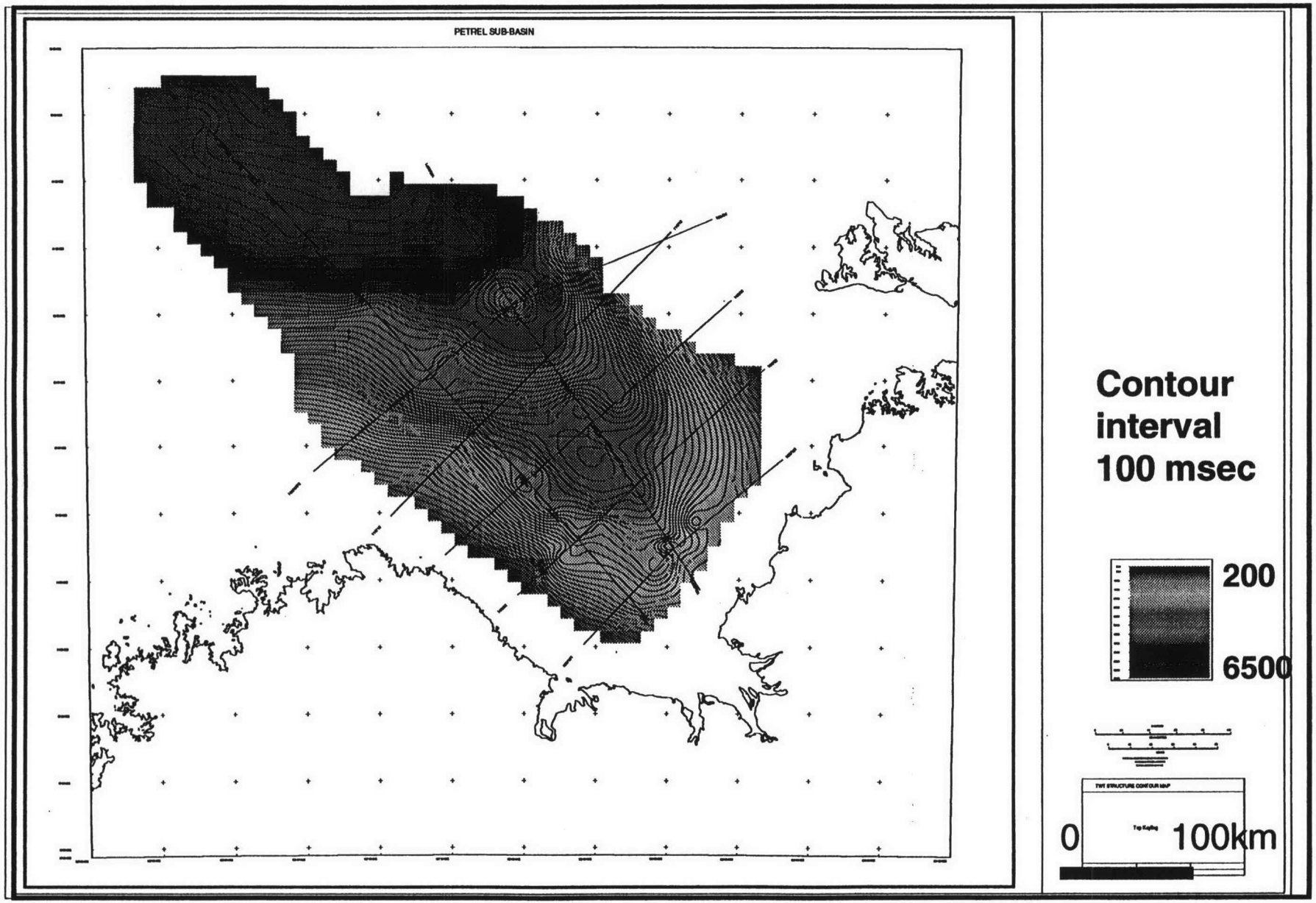
TWT STRUCTURE CONTOUR MAP
Base Diamictite (top Kuriyippi)



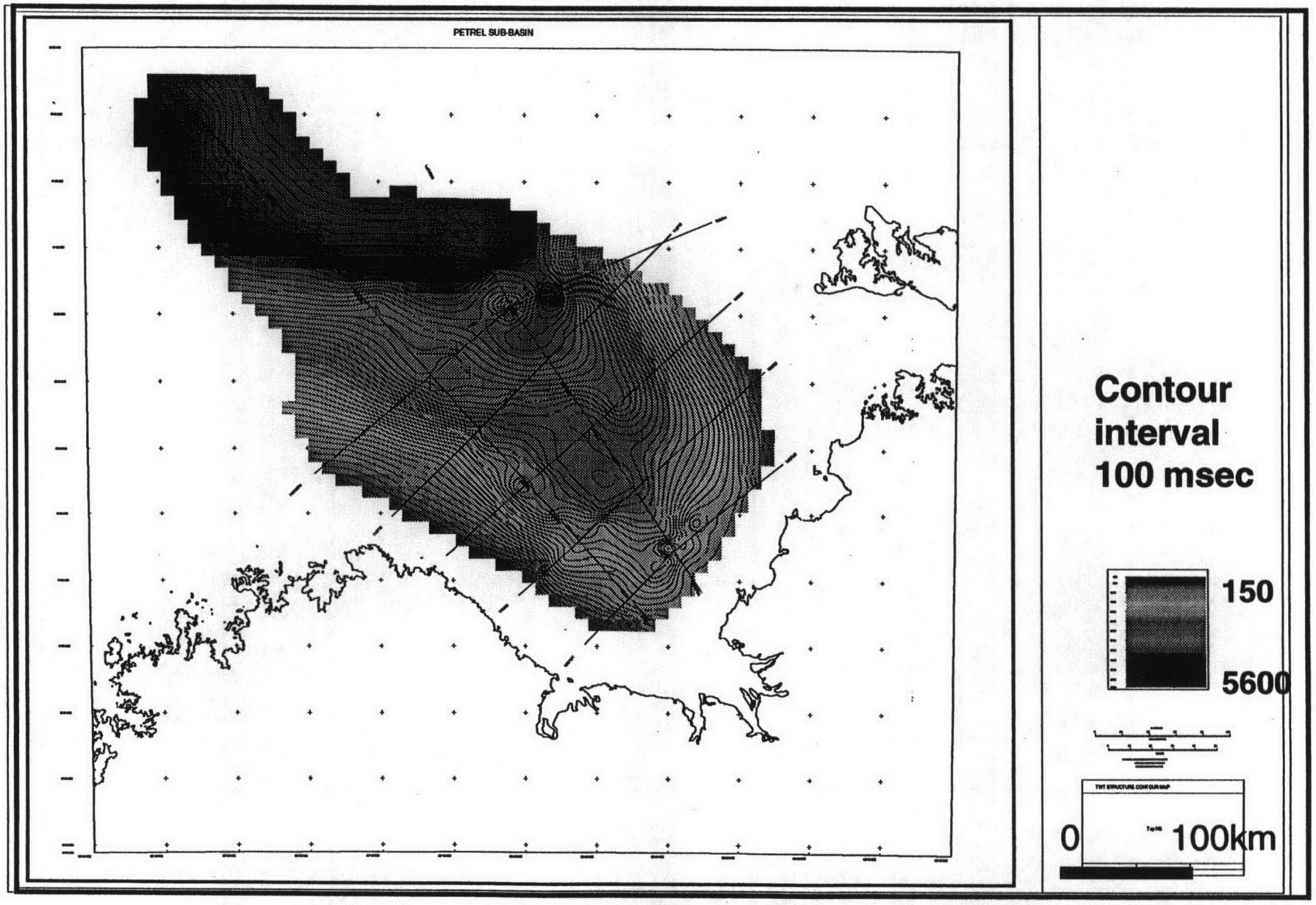
TWT STRUCTURE CONTOUR MAP
Top Treachery



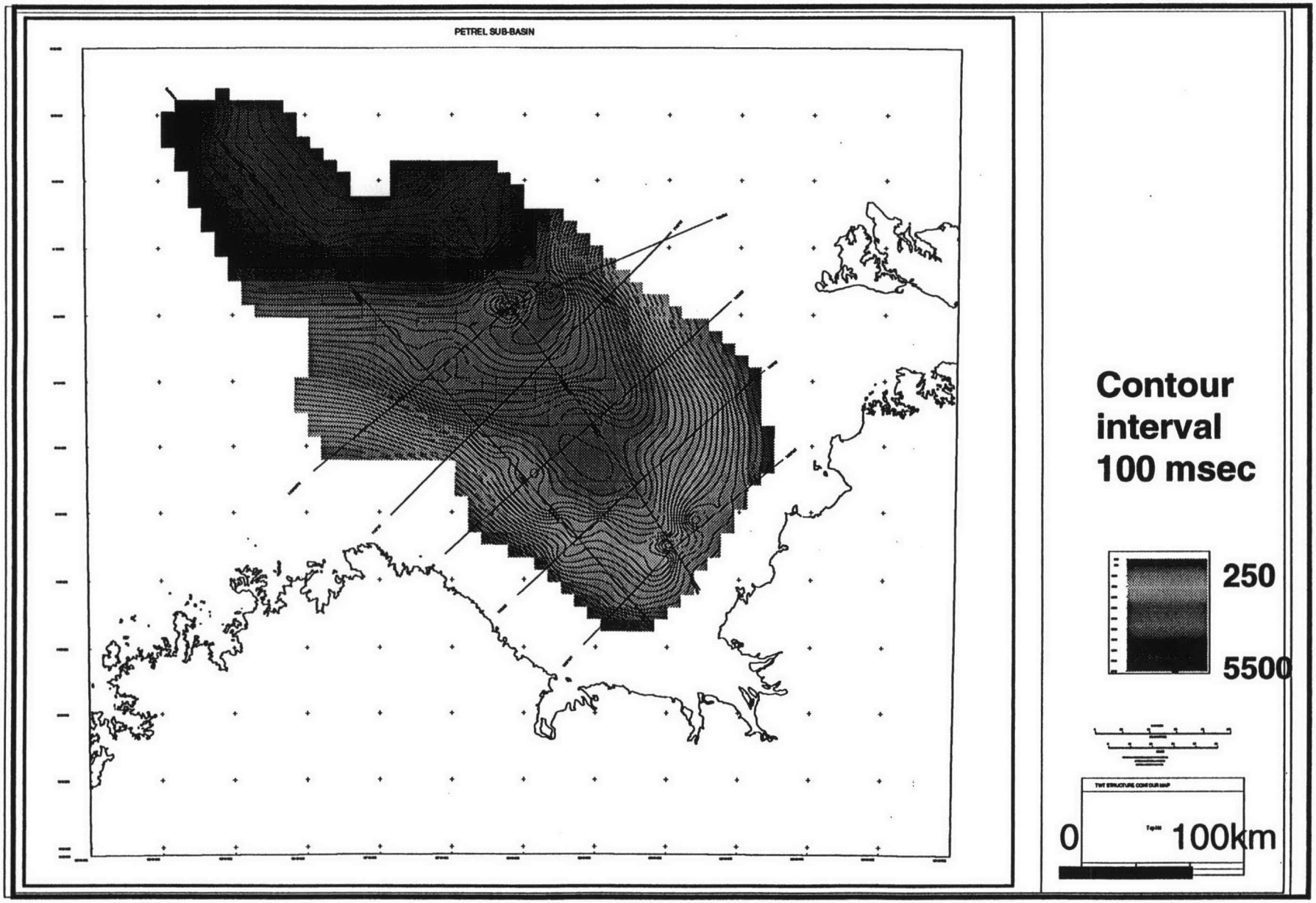
TWT STRUCTURE CONTOUR MAP
Top Keyling



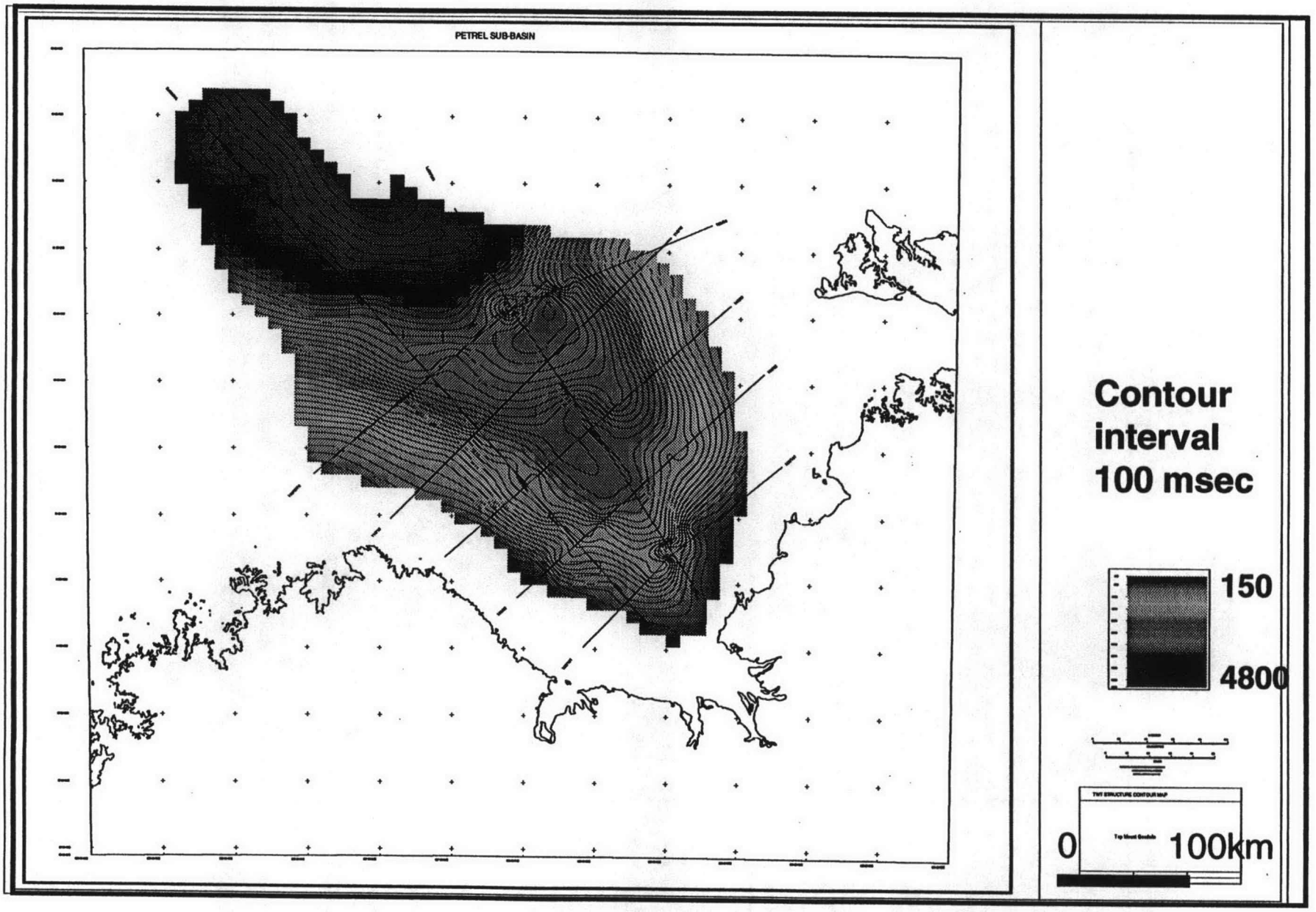
TWT STRUCTURE CONTOUR MAP
Top H5 (Fossil Head)



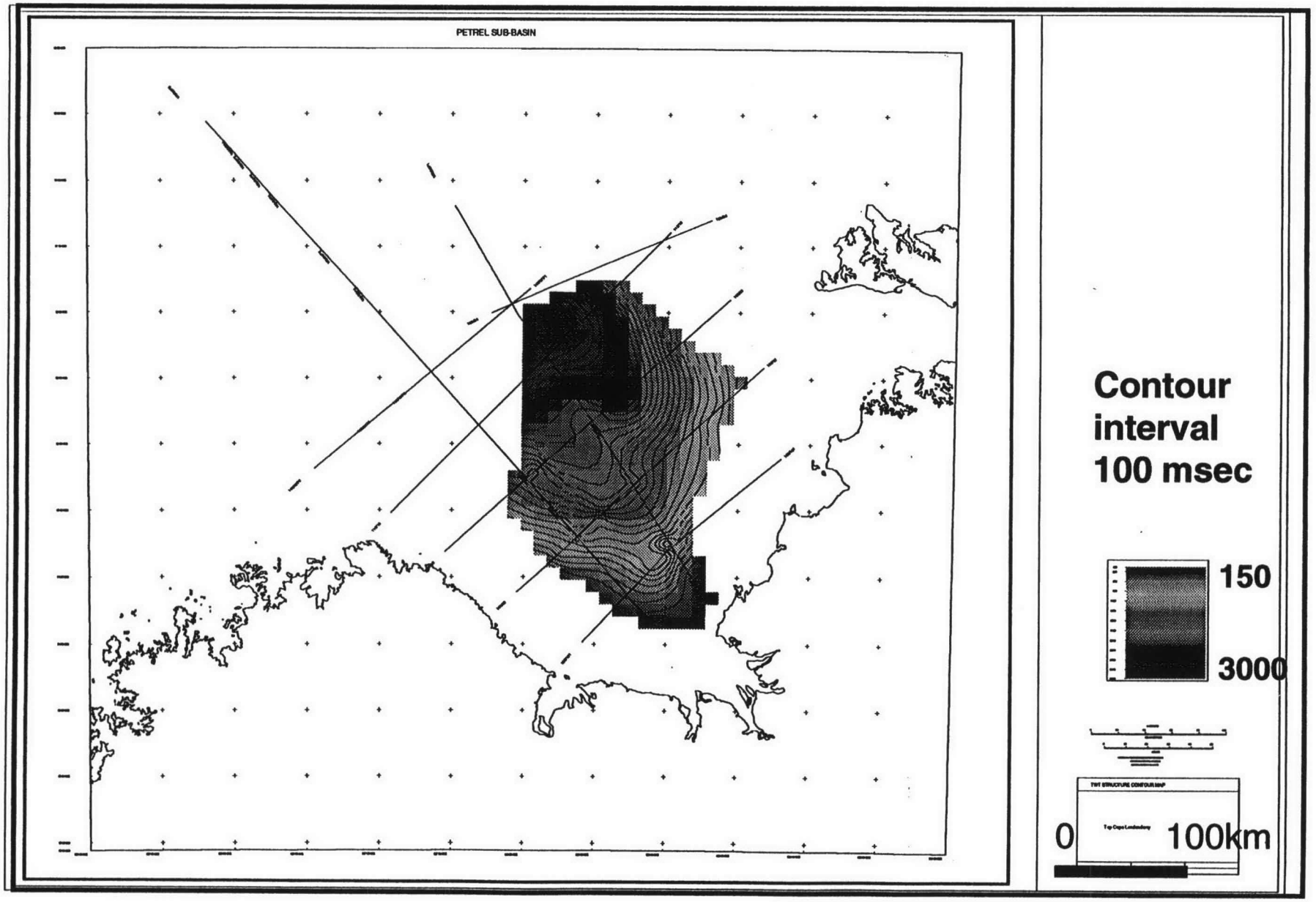
TWT STRUCTURE CONTOUR MAP
Top H4



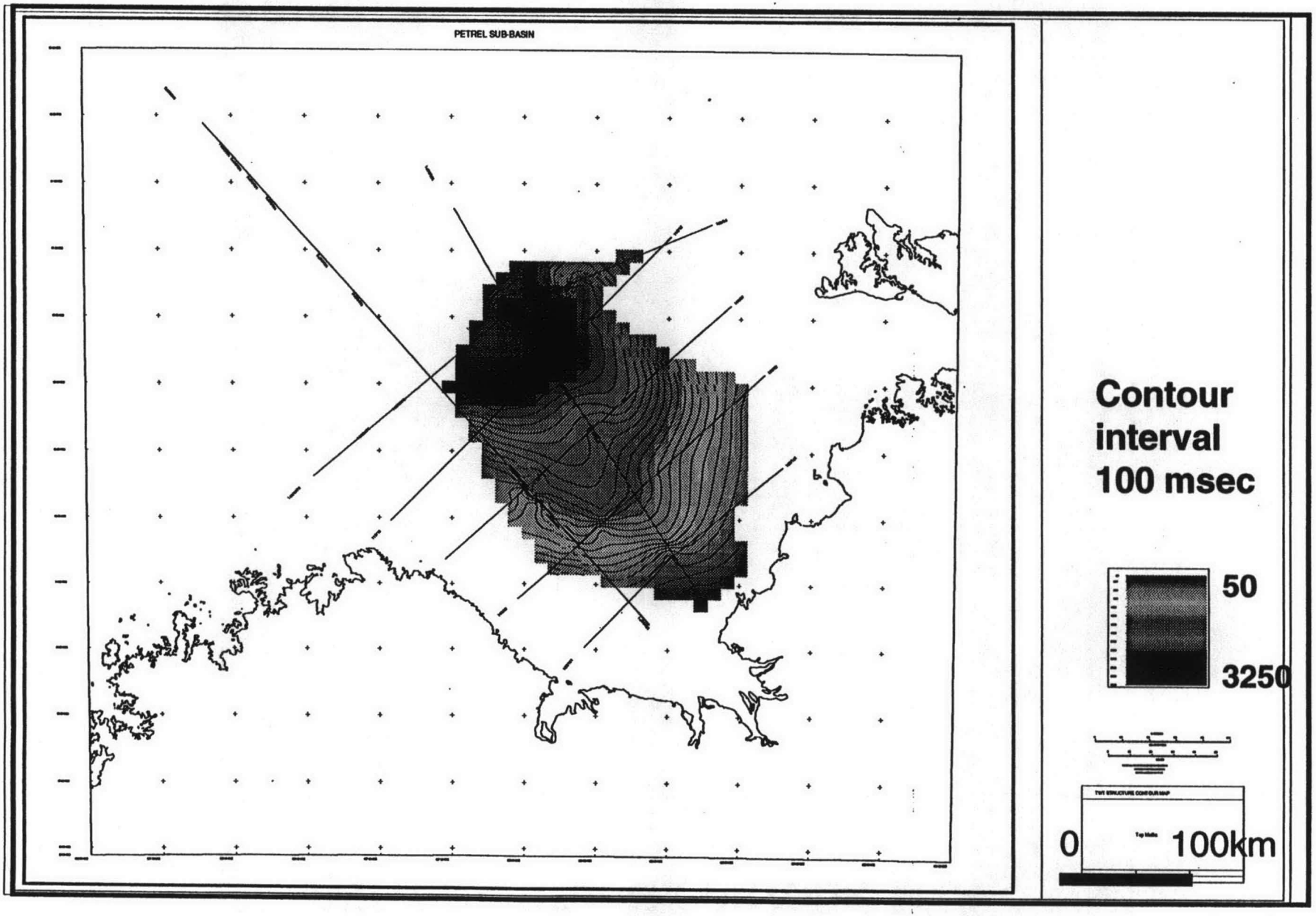
TWT STRUCTURE CONTOUR MAP
Top Mount Goodwin



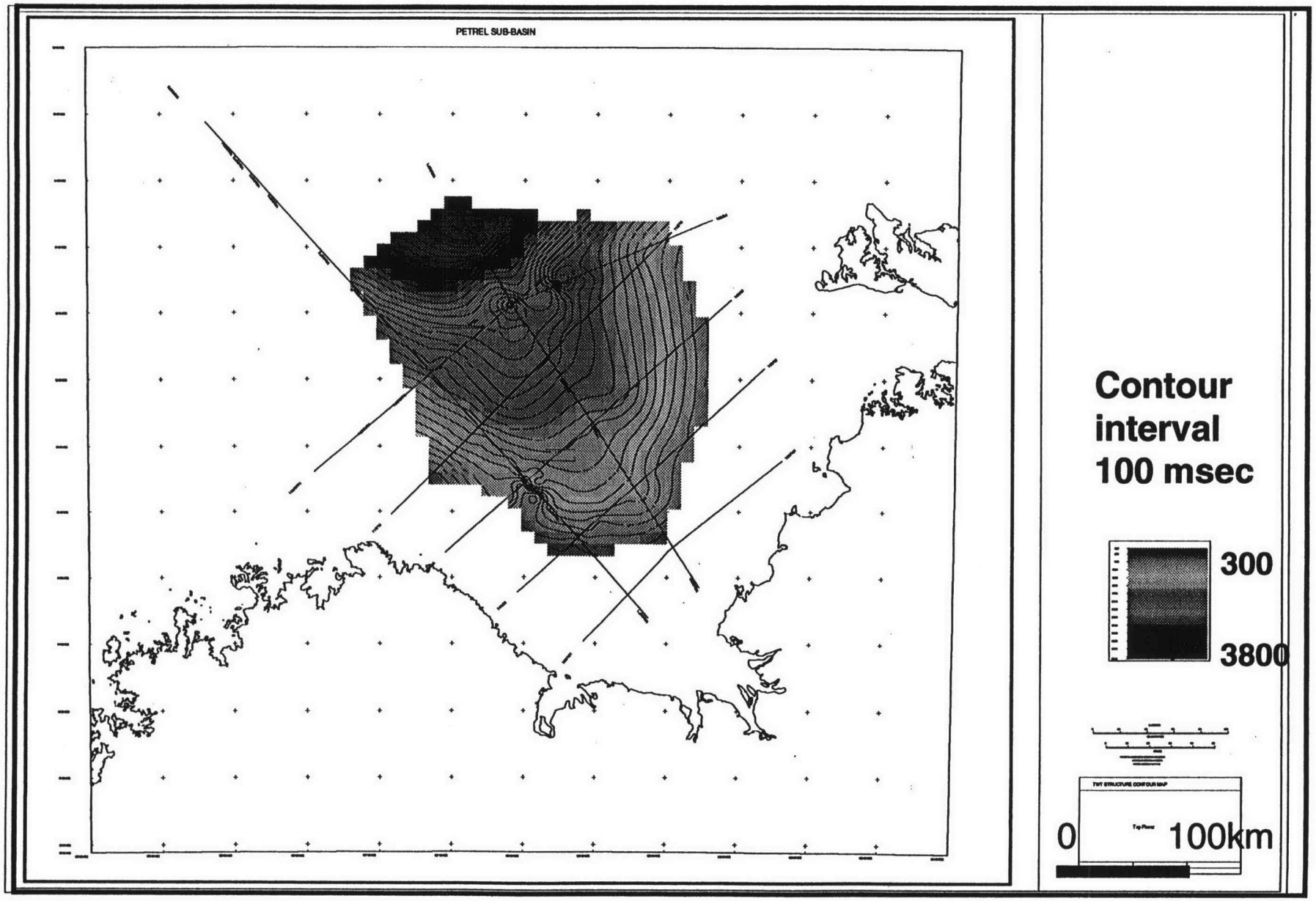
TWT STRUCTURE CONTOUR MAP
Top Cape Londonderry



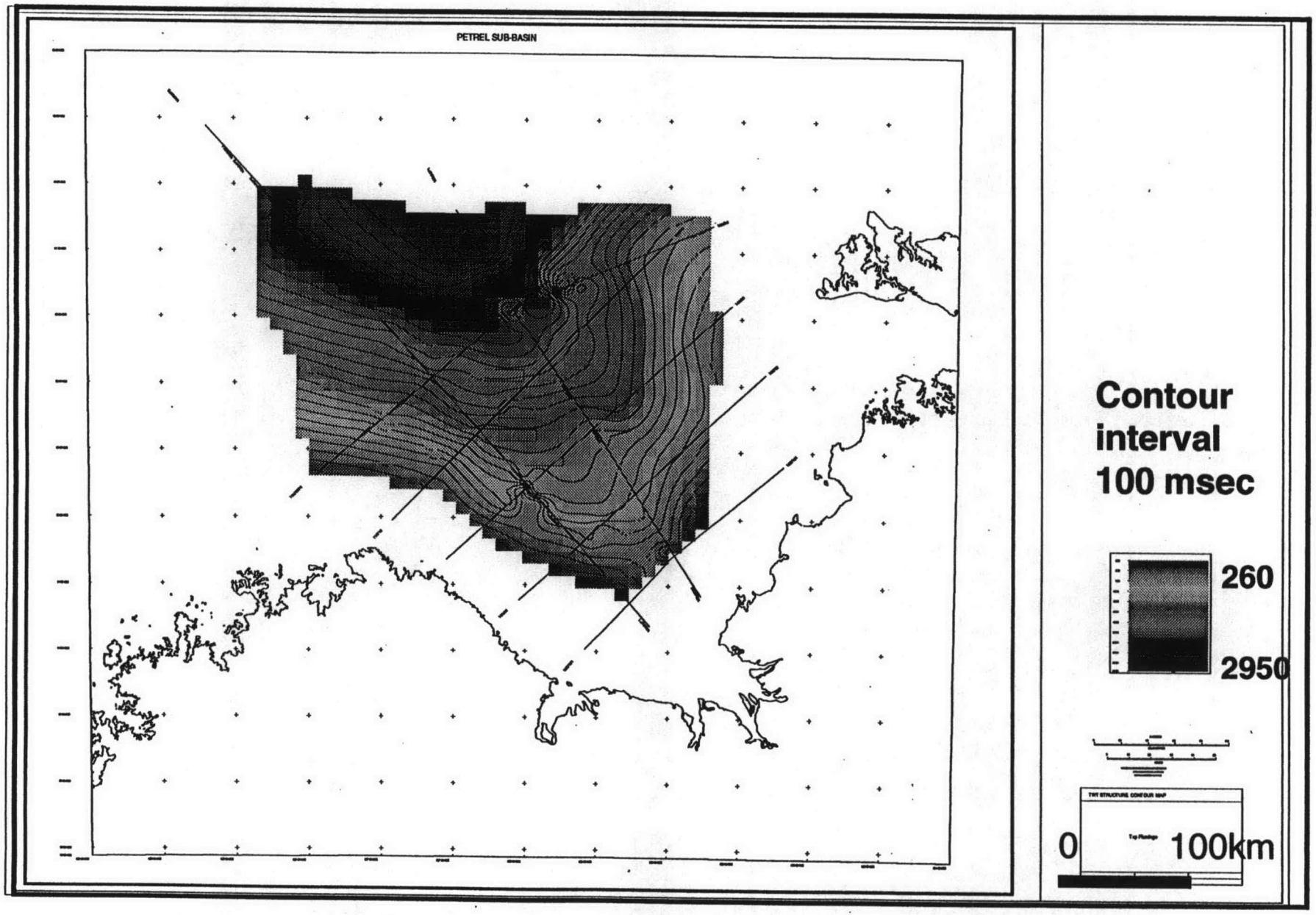
TWT STRUCTURE CONTOUR MAP
Top Malita



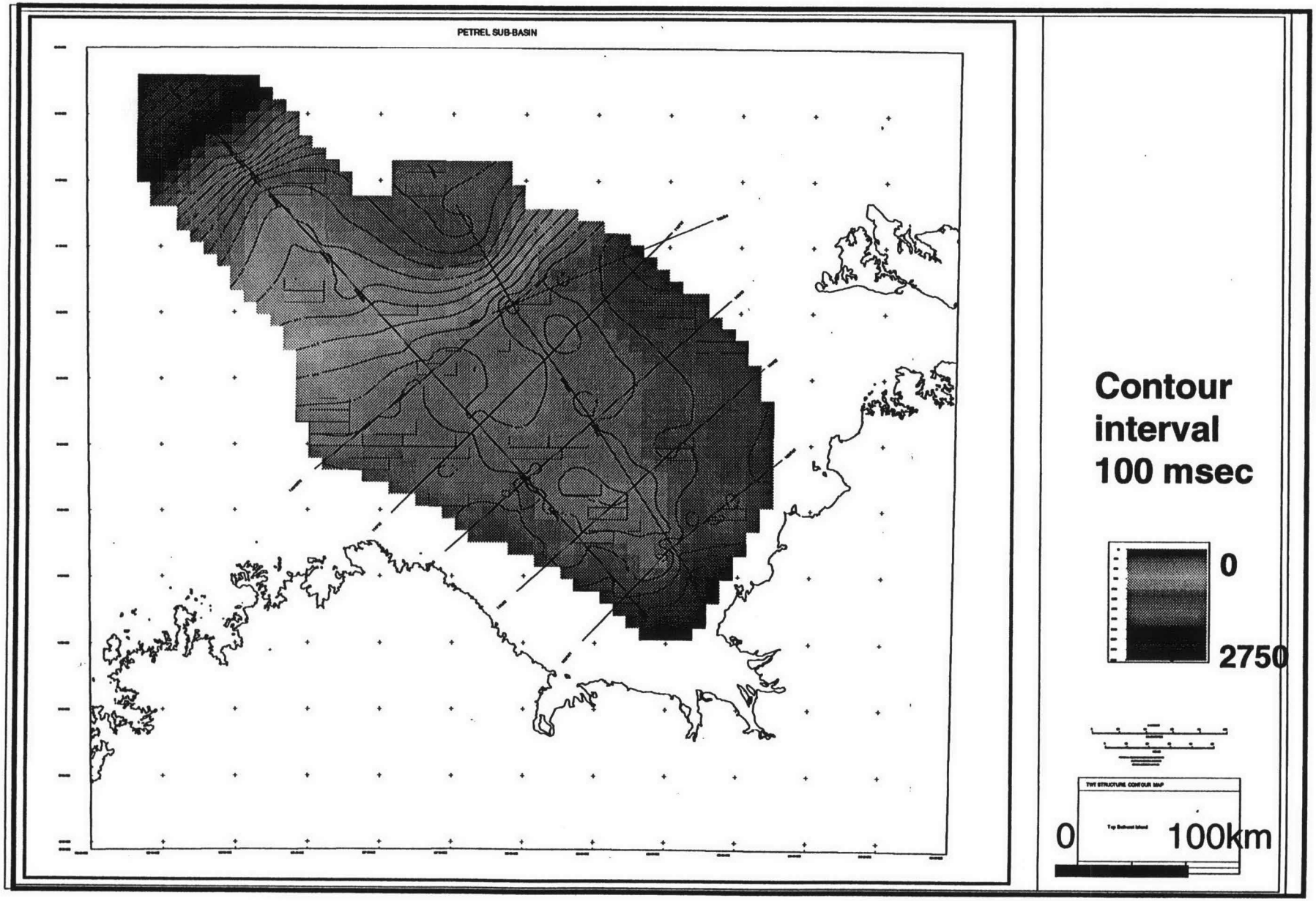
TWT STRUCTURE CONTOUR MAP
Top Plover



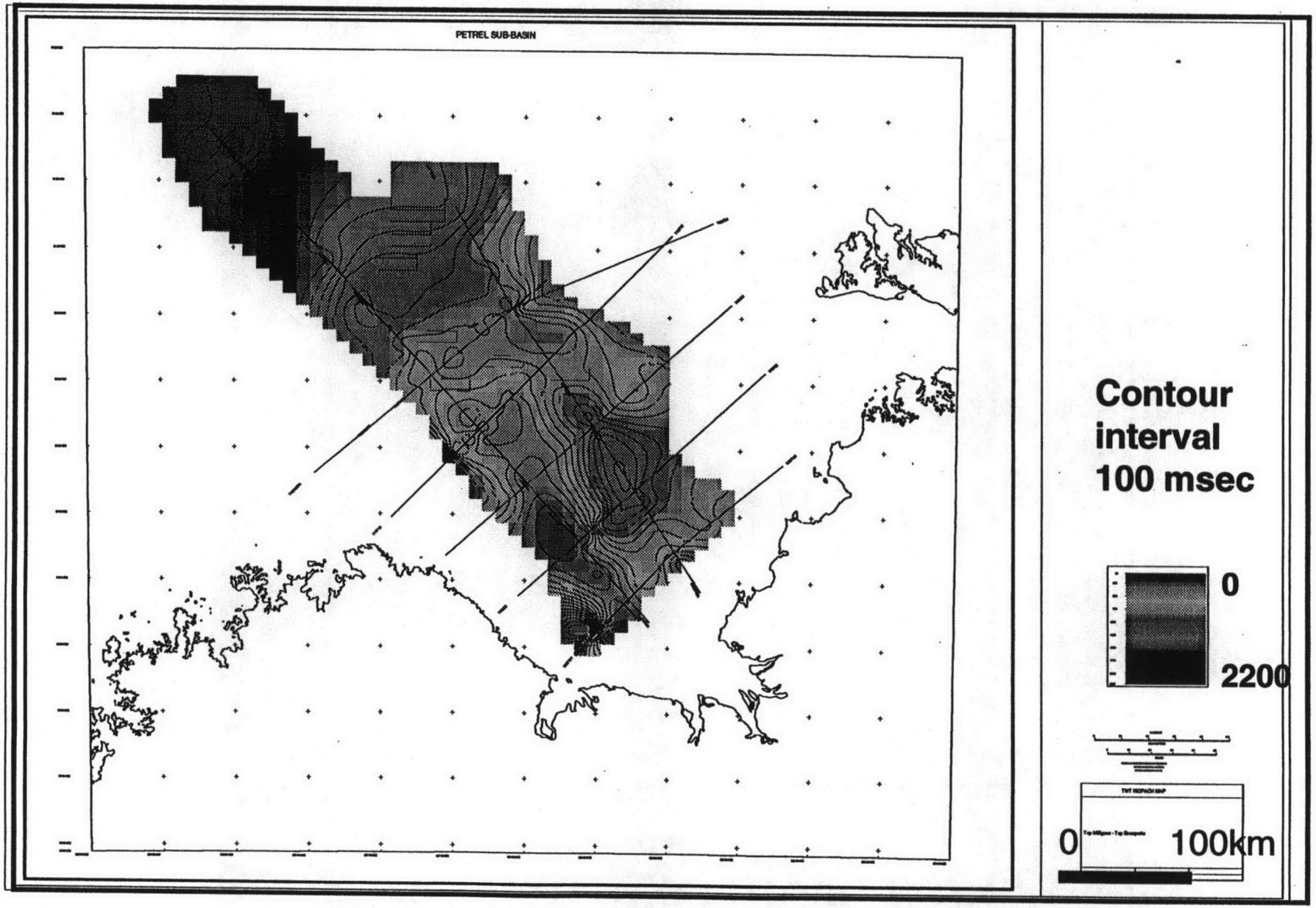
TWT STRUCTURE CONTOUR MAP
Top Flamingo



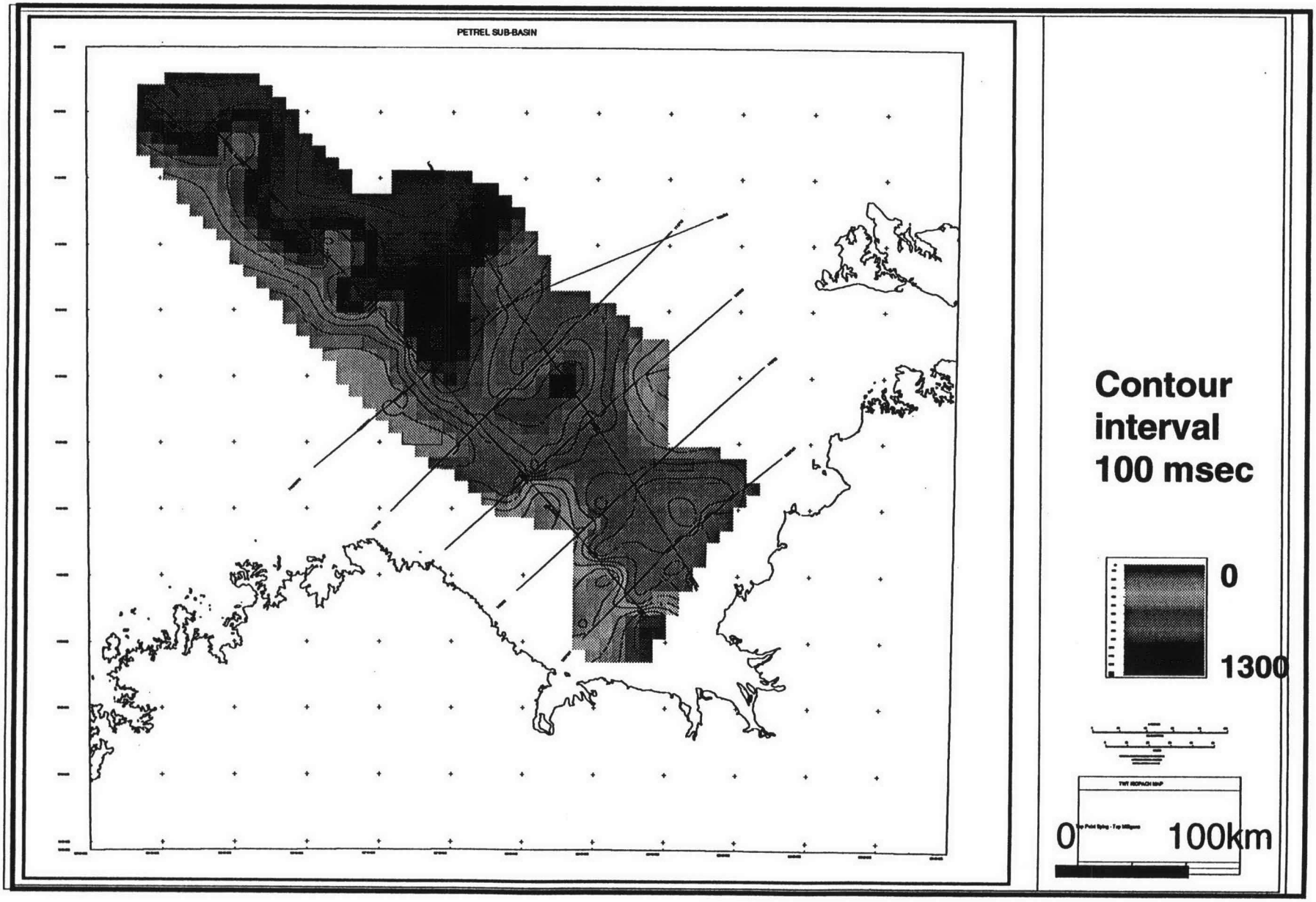
TWT STRUCTURE CONTOUR MAP
Top Bathurst Island



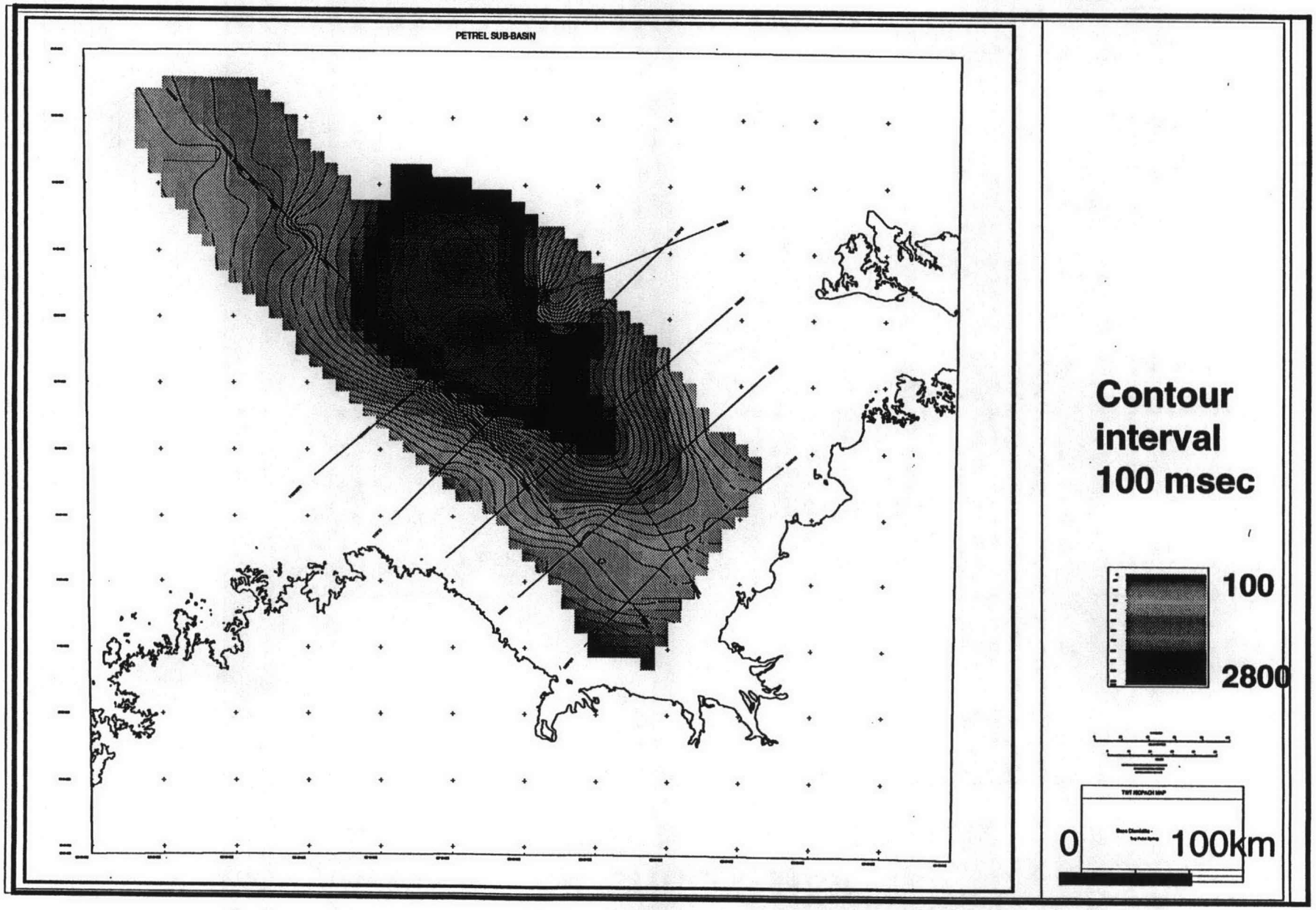
TWT ISOCHRON MAP
Top Milligans to Top Bonaparte



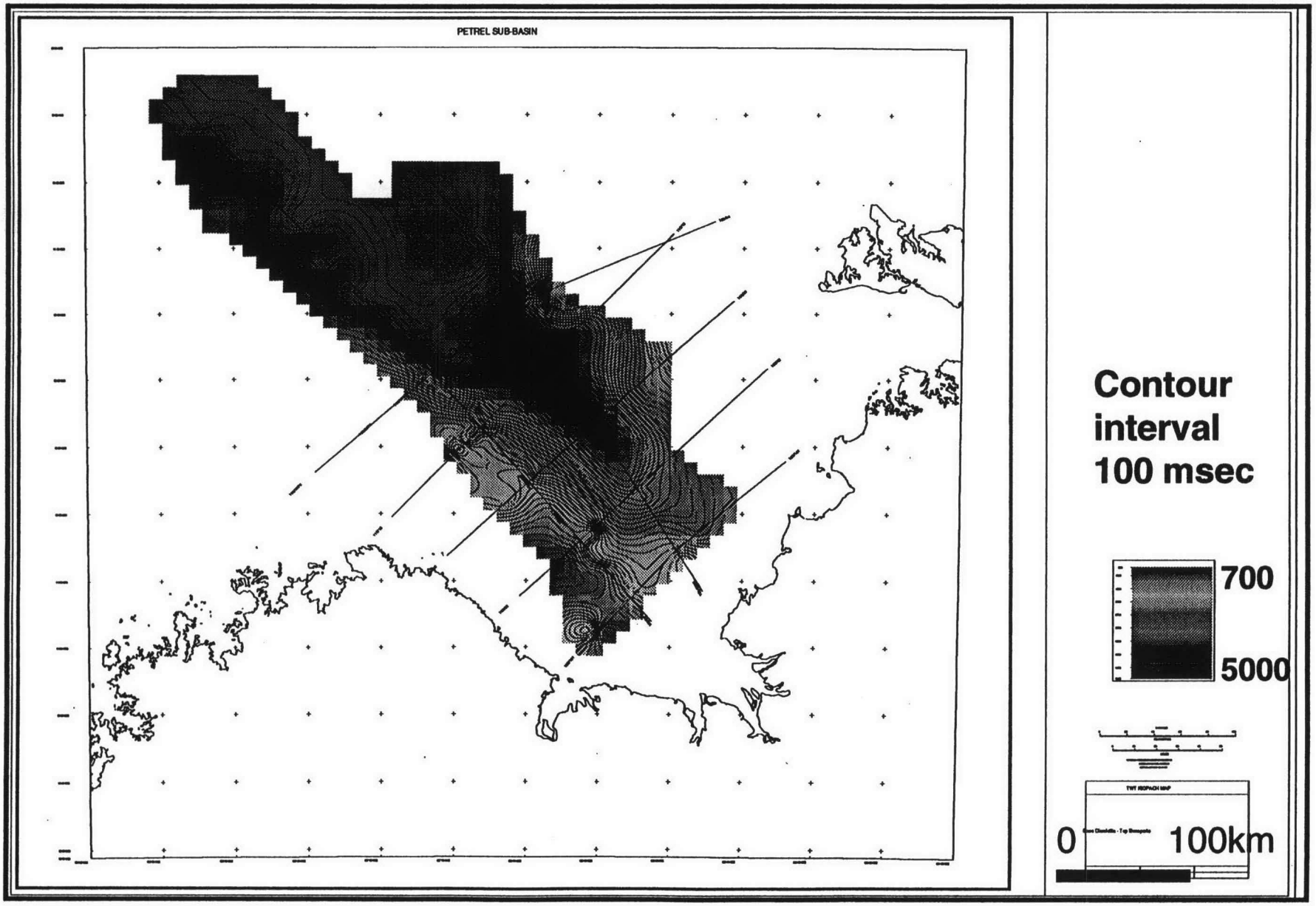
TWT ISOCHRON MAP
Top Point Spring to Top Milligans



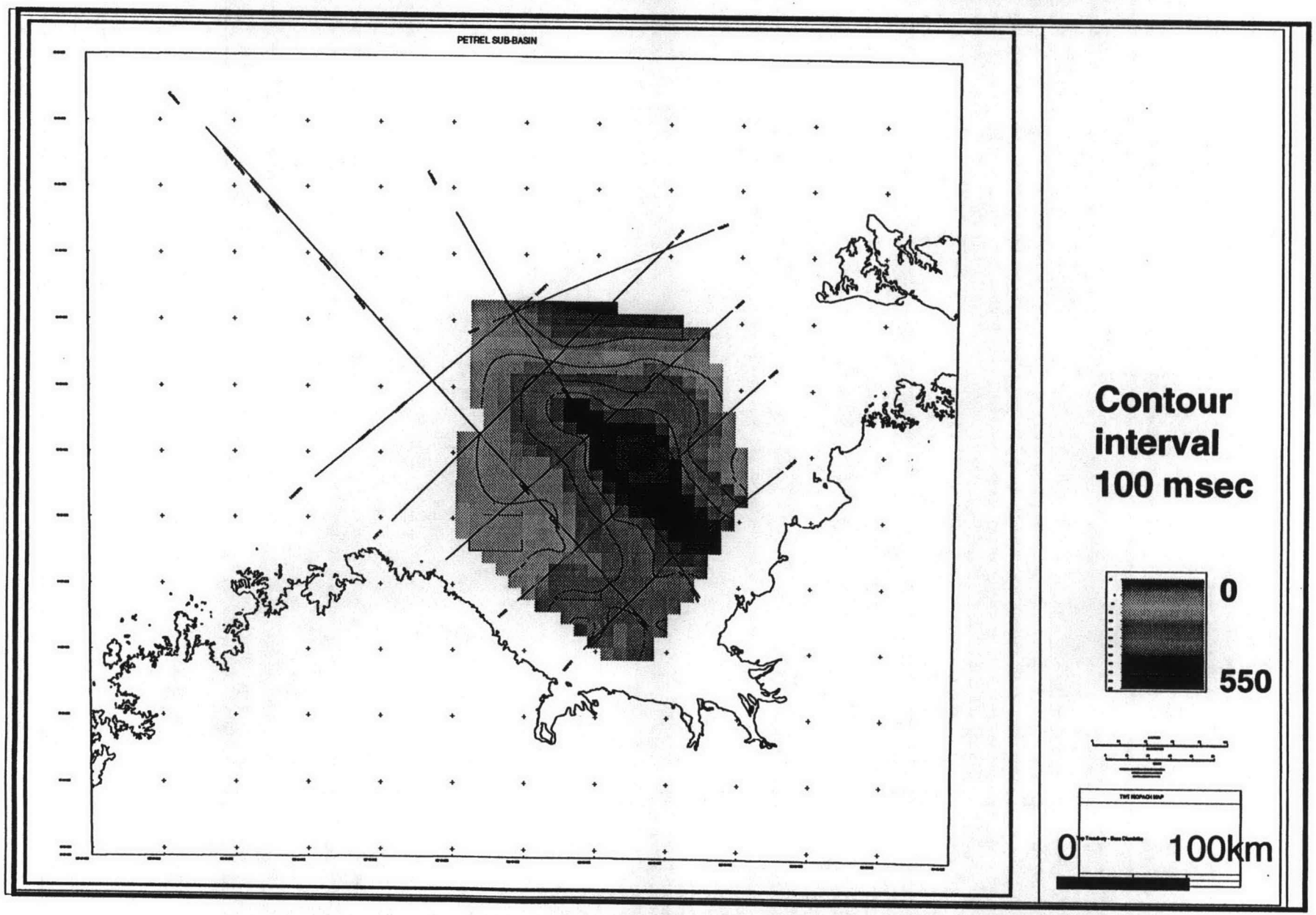
TWT ISOCHRON MAP
Base Diamictite (top Kuriyippi) to Top Point Spring



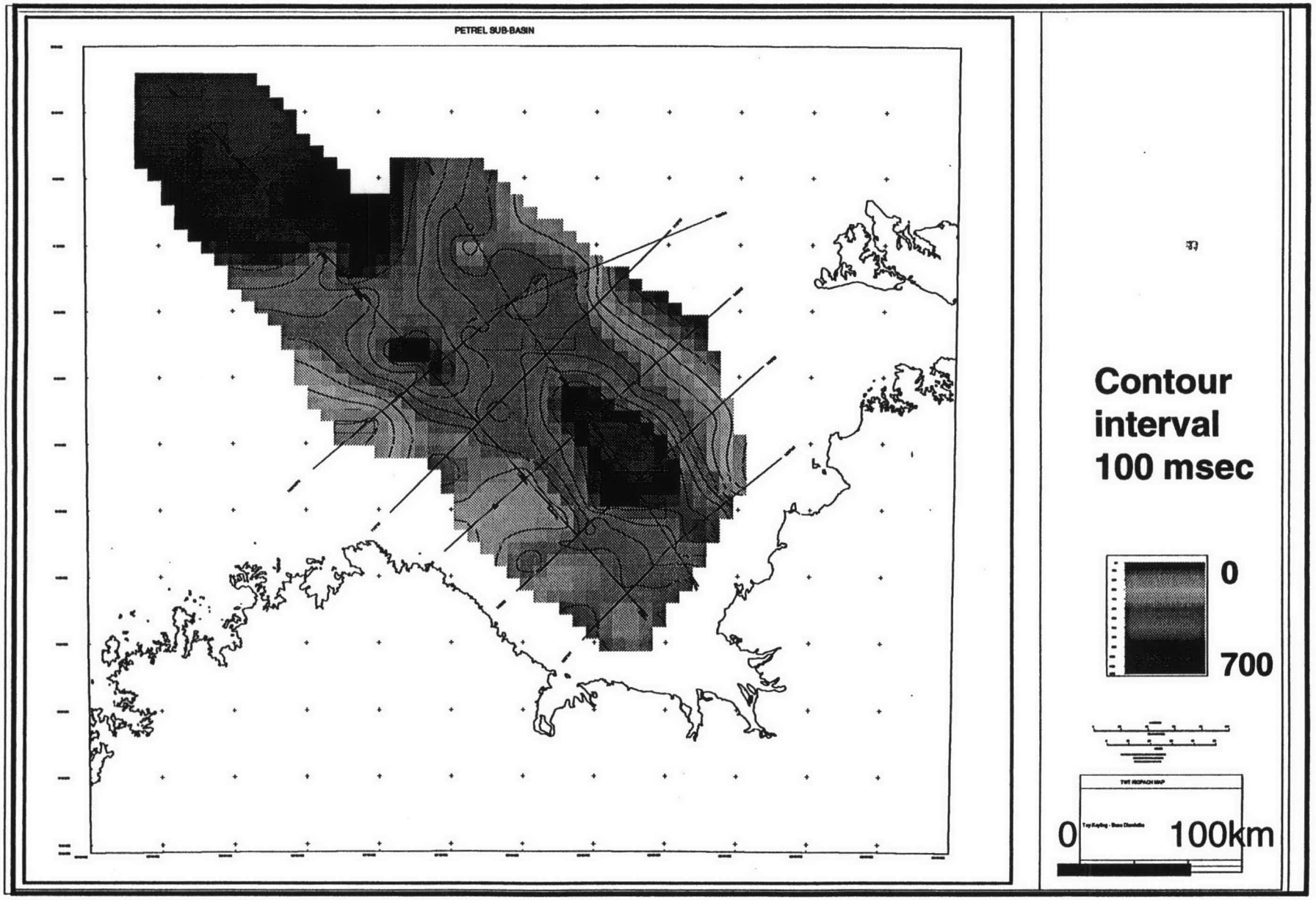
TWT ISOCHRON MAP
Base Diamictite (top Kuriyippi) to Top Bonaparte



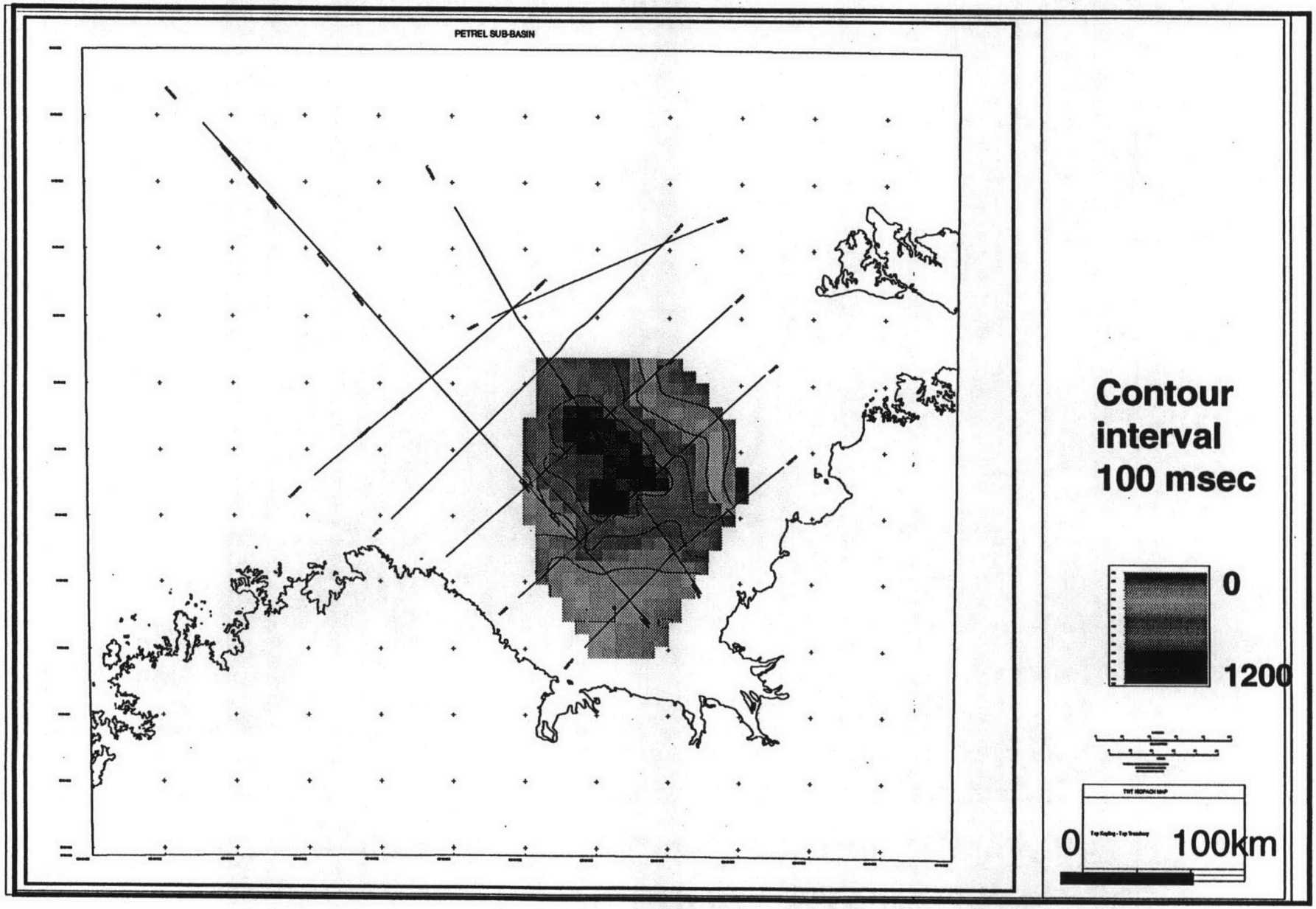
TWT ISOCHRON MAP
Top Treachery to Base Diamictite (top Kuriyippi)



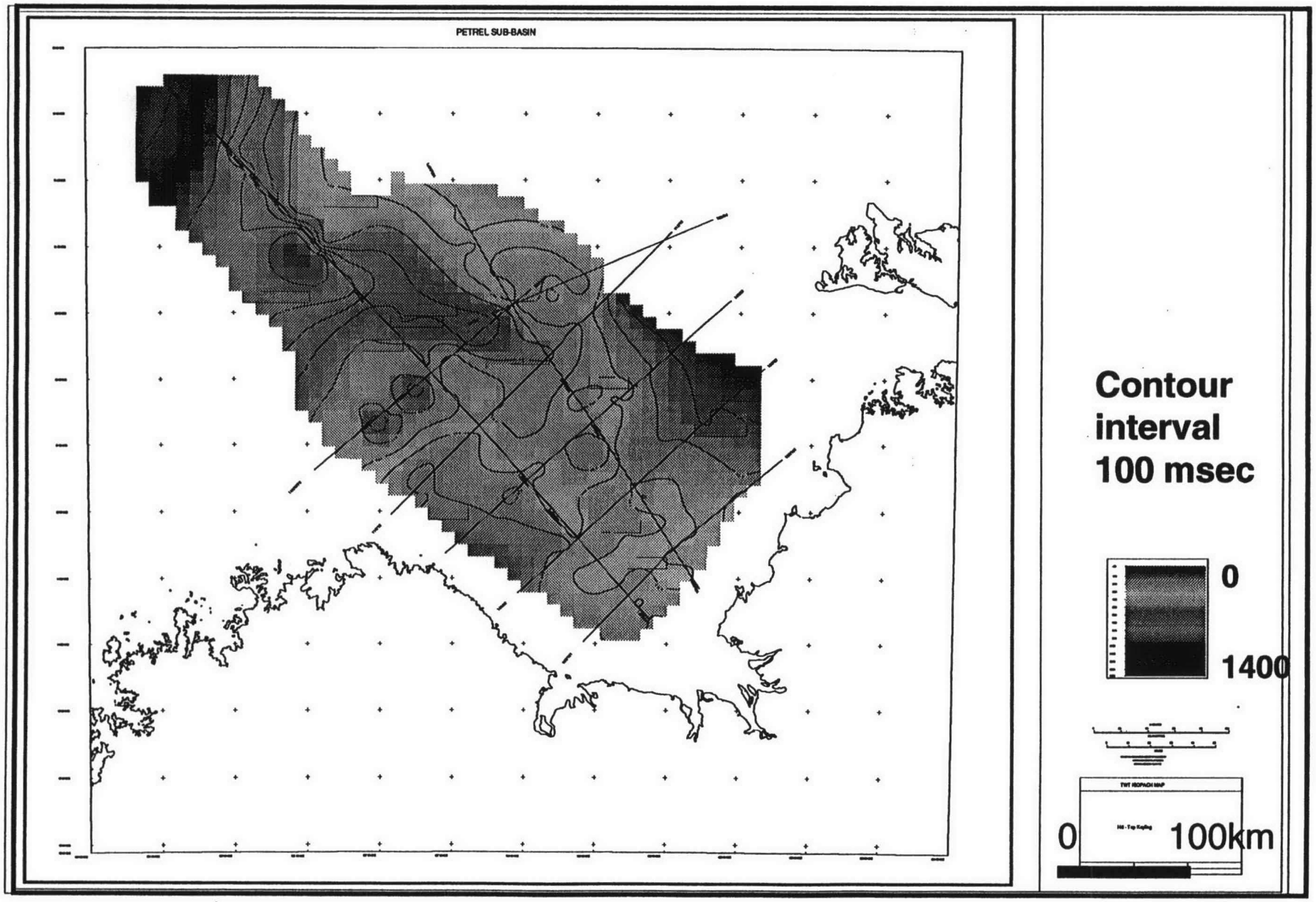
TWT ISOCHRON MAP
Top Keyling to Base Diamictite (top Kuriyippi)



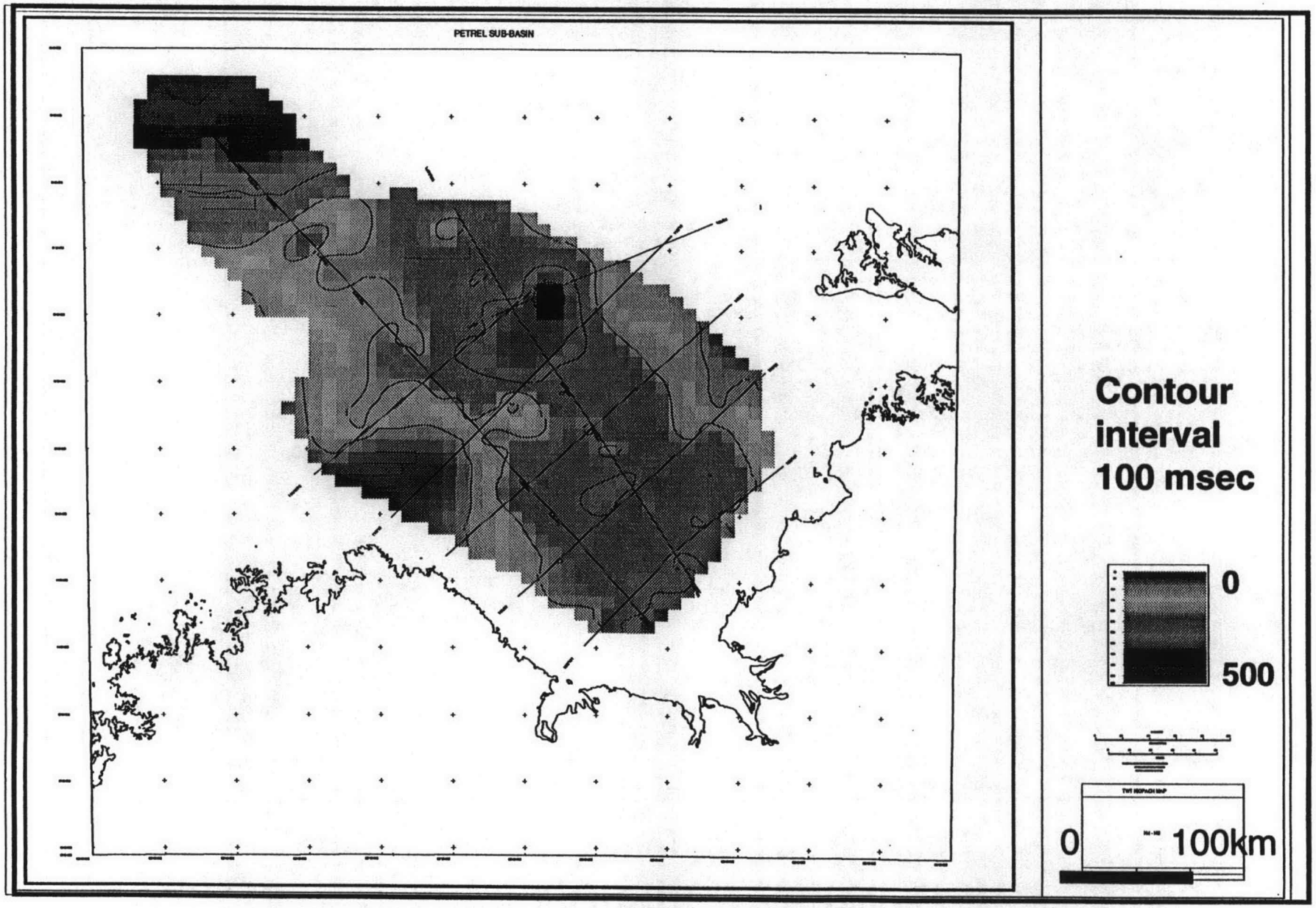
TWT ISOCHRON MAP
Top Keyling to Top Treachery



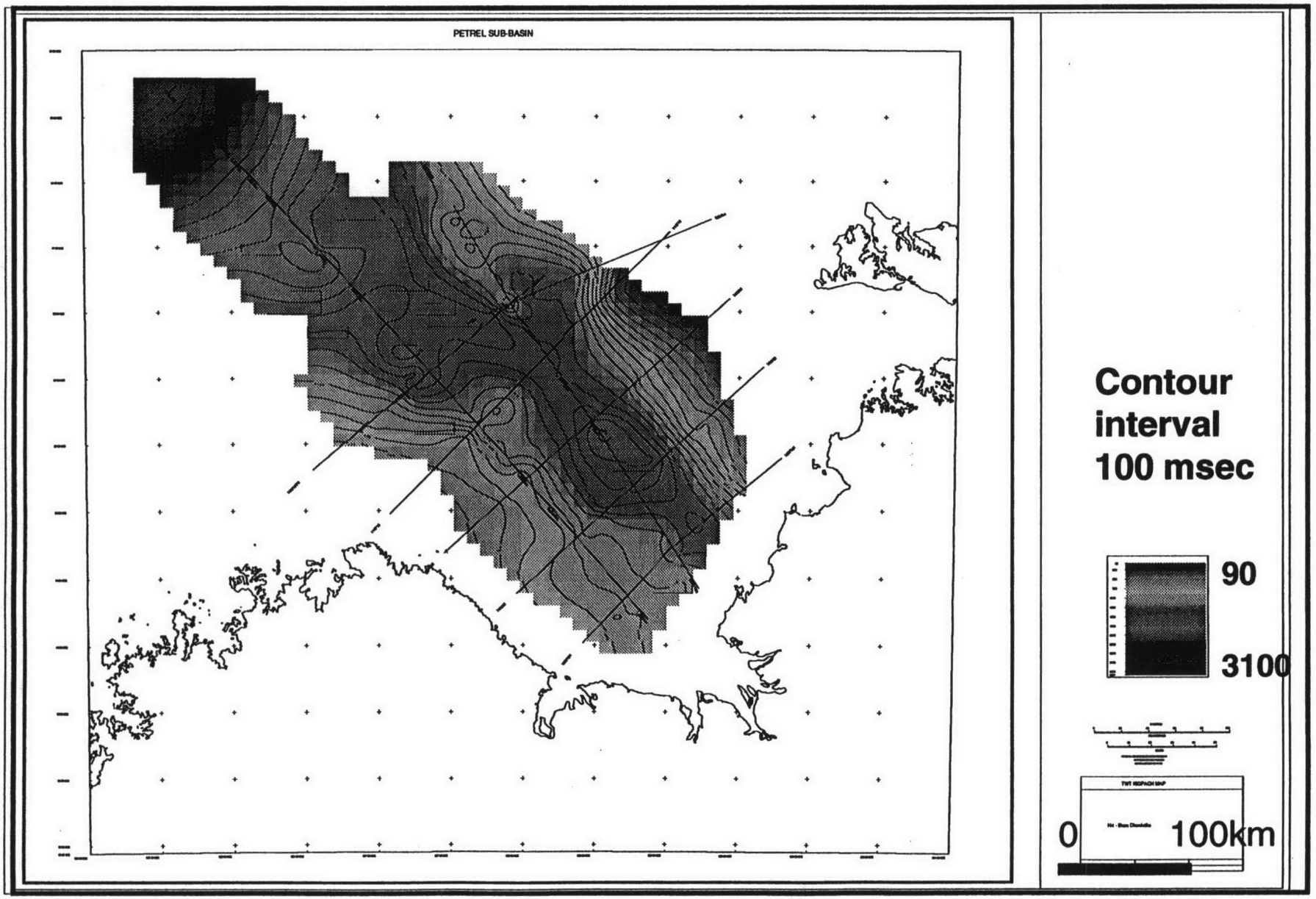
TWT ISOCHRON MAP
H5 (top Fossil Head) to Top Keyling



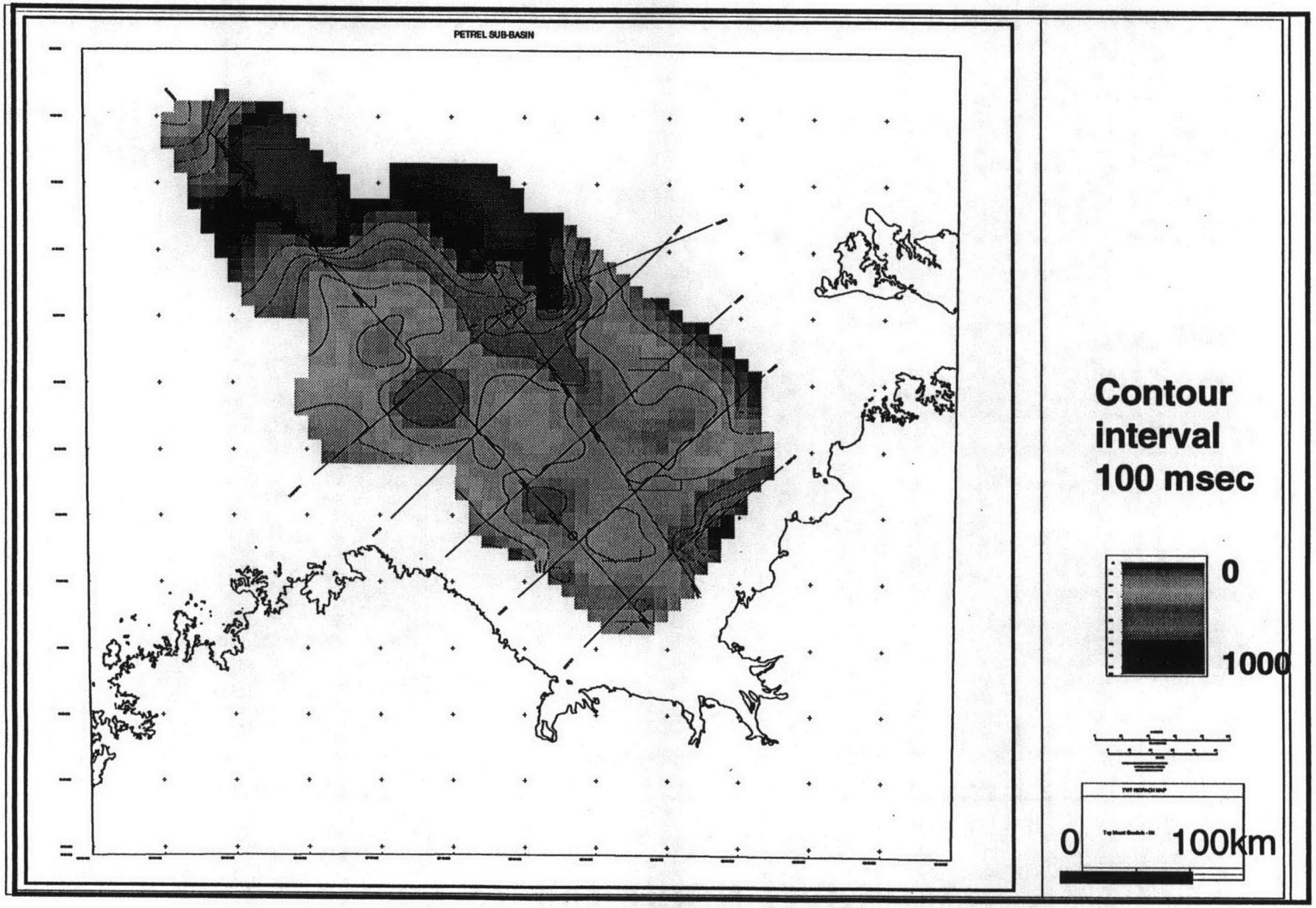
TWT ISOCHRON MAP
H4 to H5 (top Fossil Head)



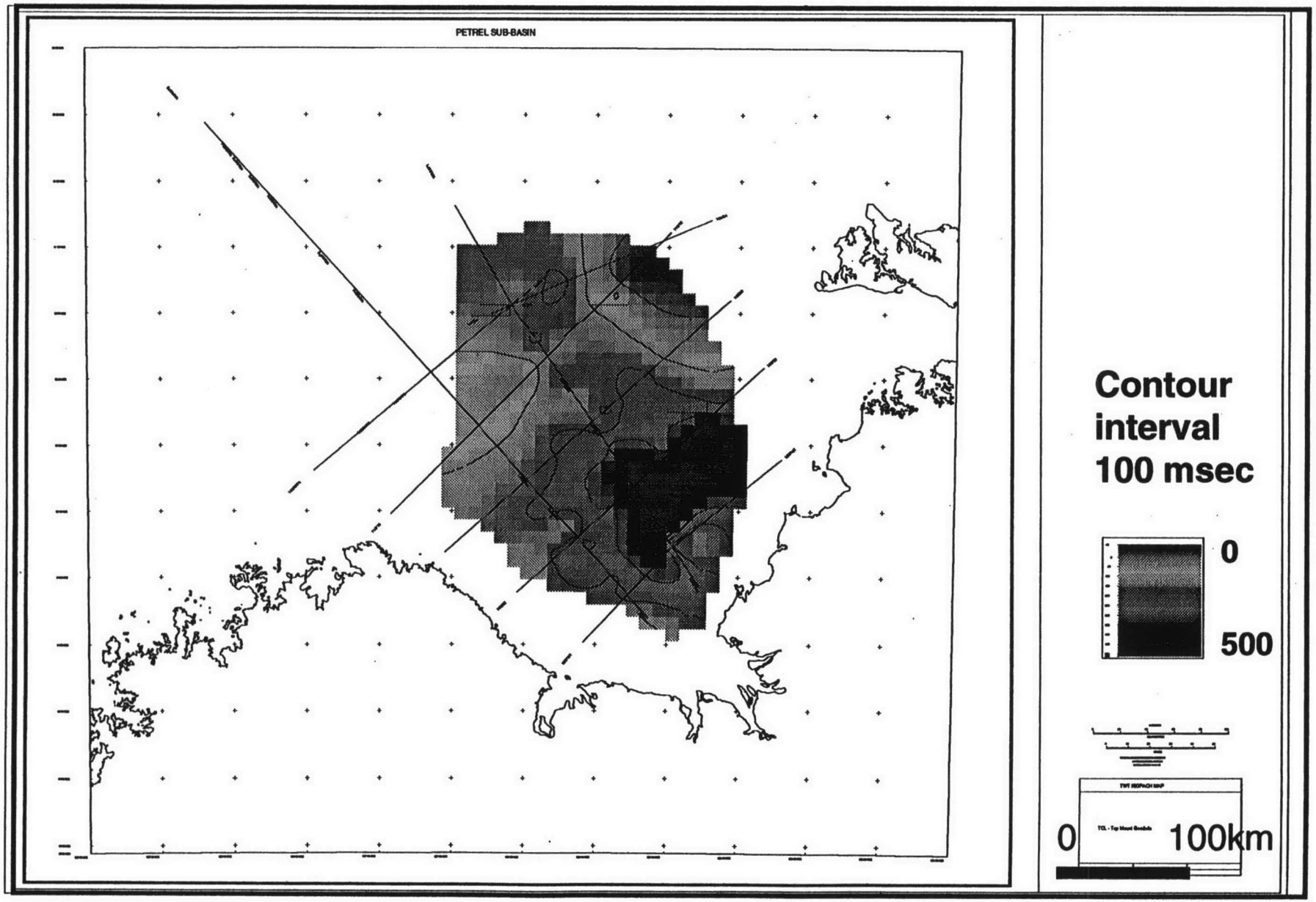
TWT ISOCHRON MAP
H4 to Base Diamictite



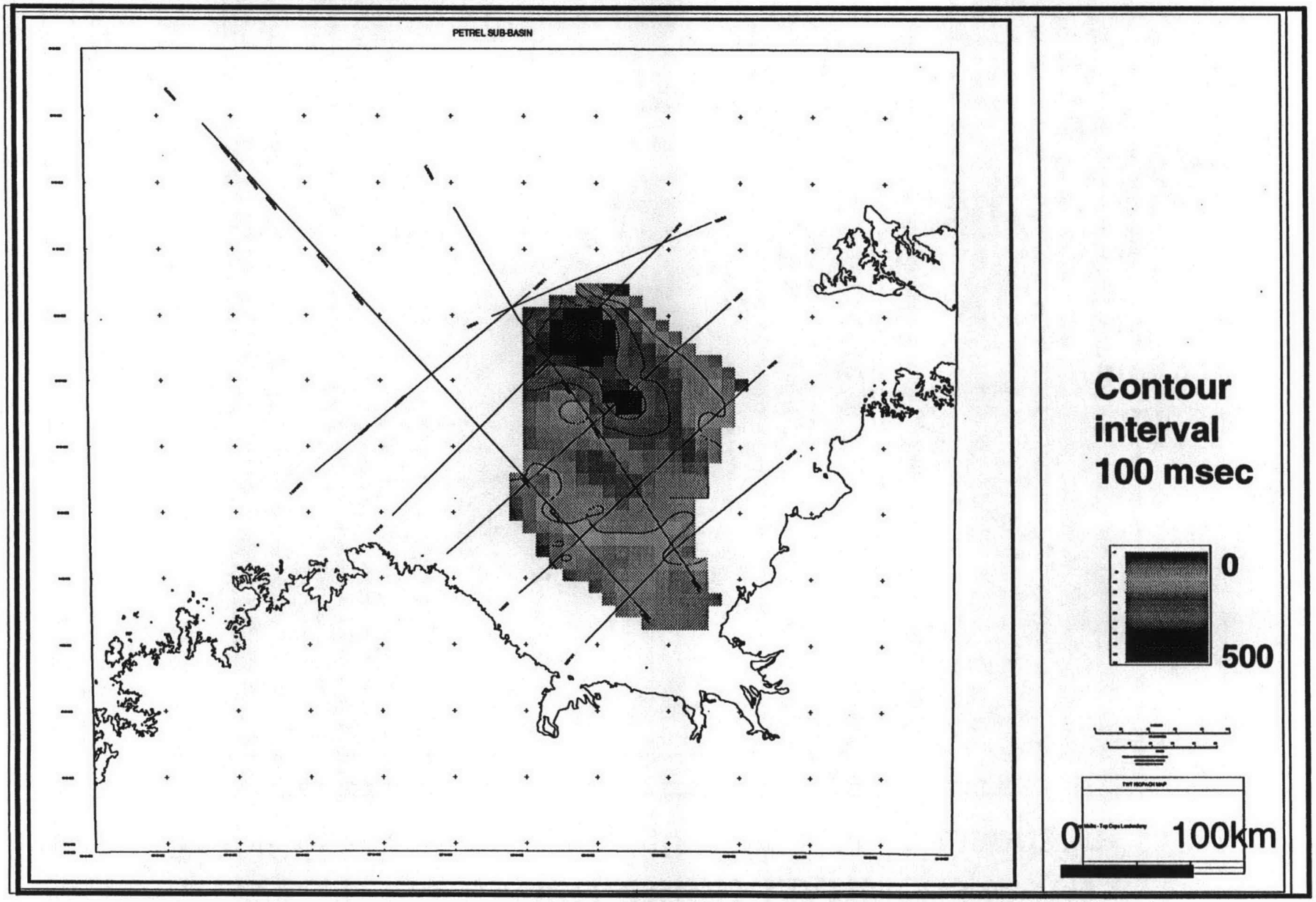
TWT ISOCHRON MAP
Top Mount Goodwin to H4



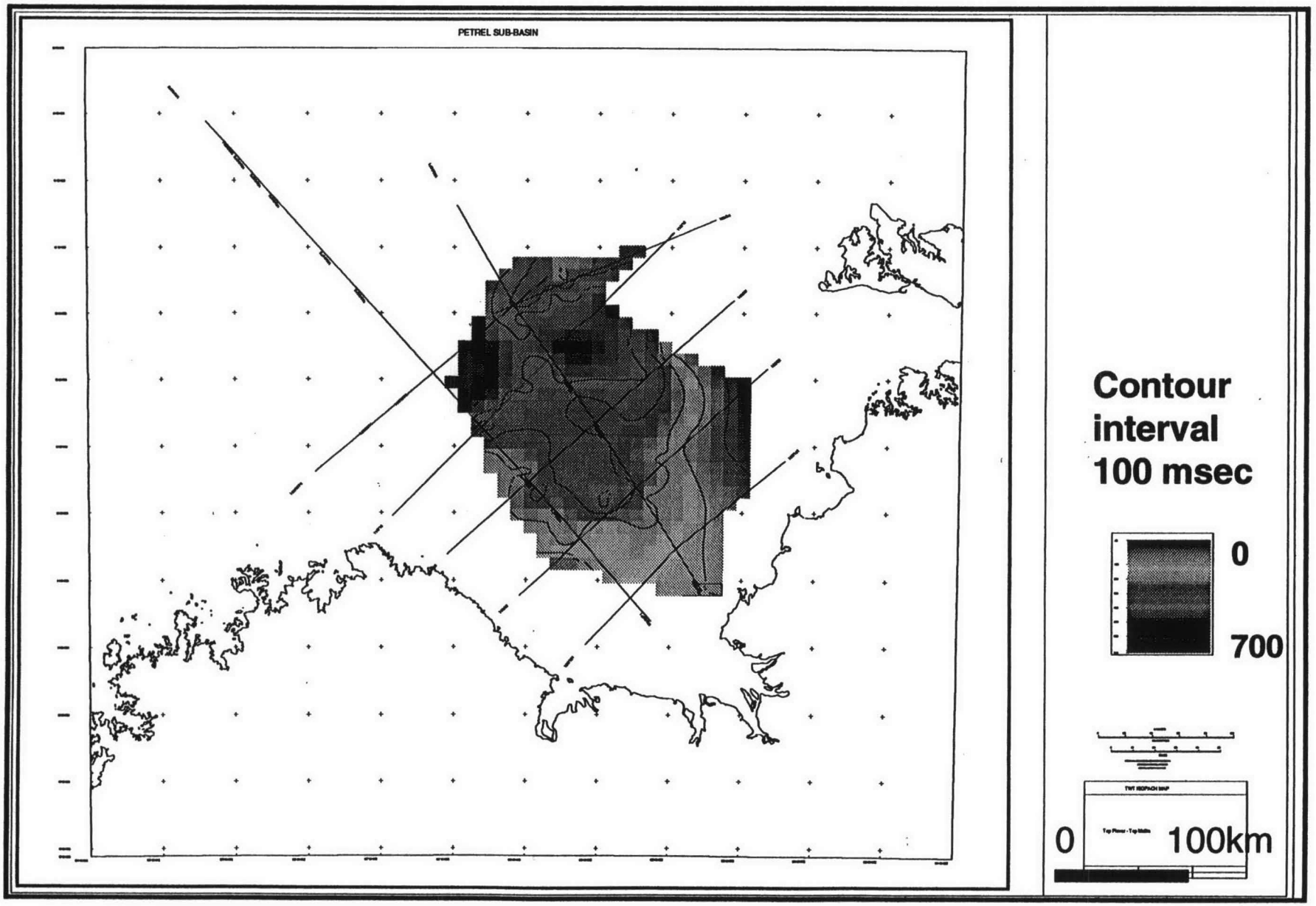
TWT ISOCHRON MAP
Top Cape Londonderry to Top Mount Goodwin



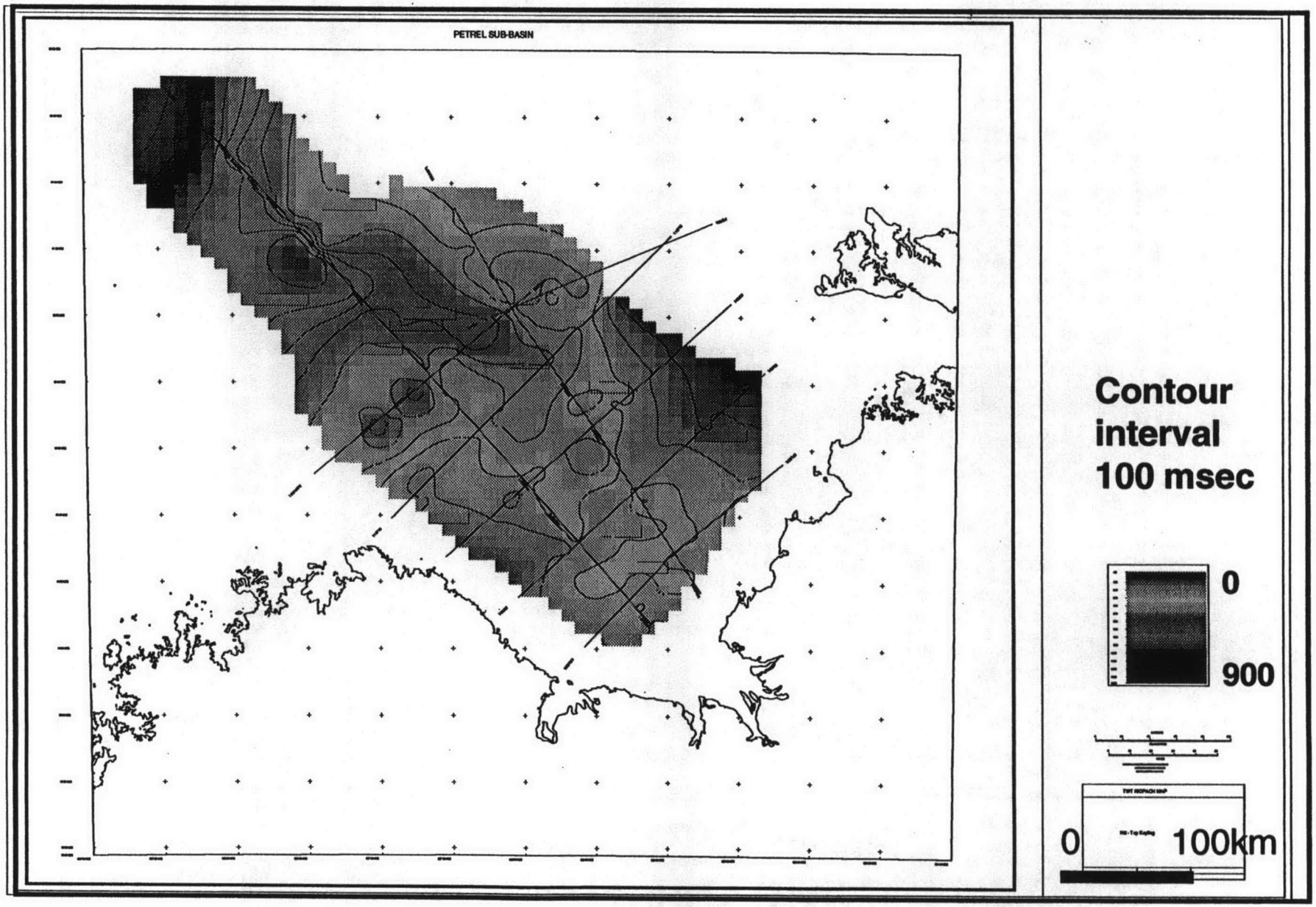
TWT ISOCHRON MAP
Top Malita to Top Cape Londonderry



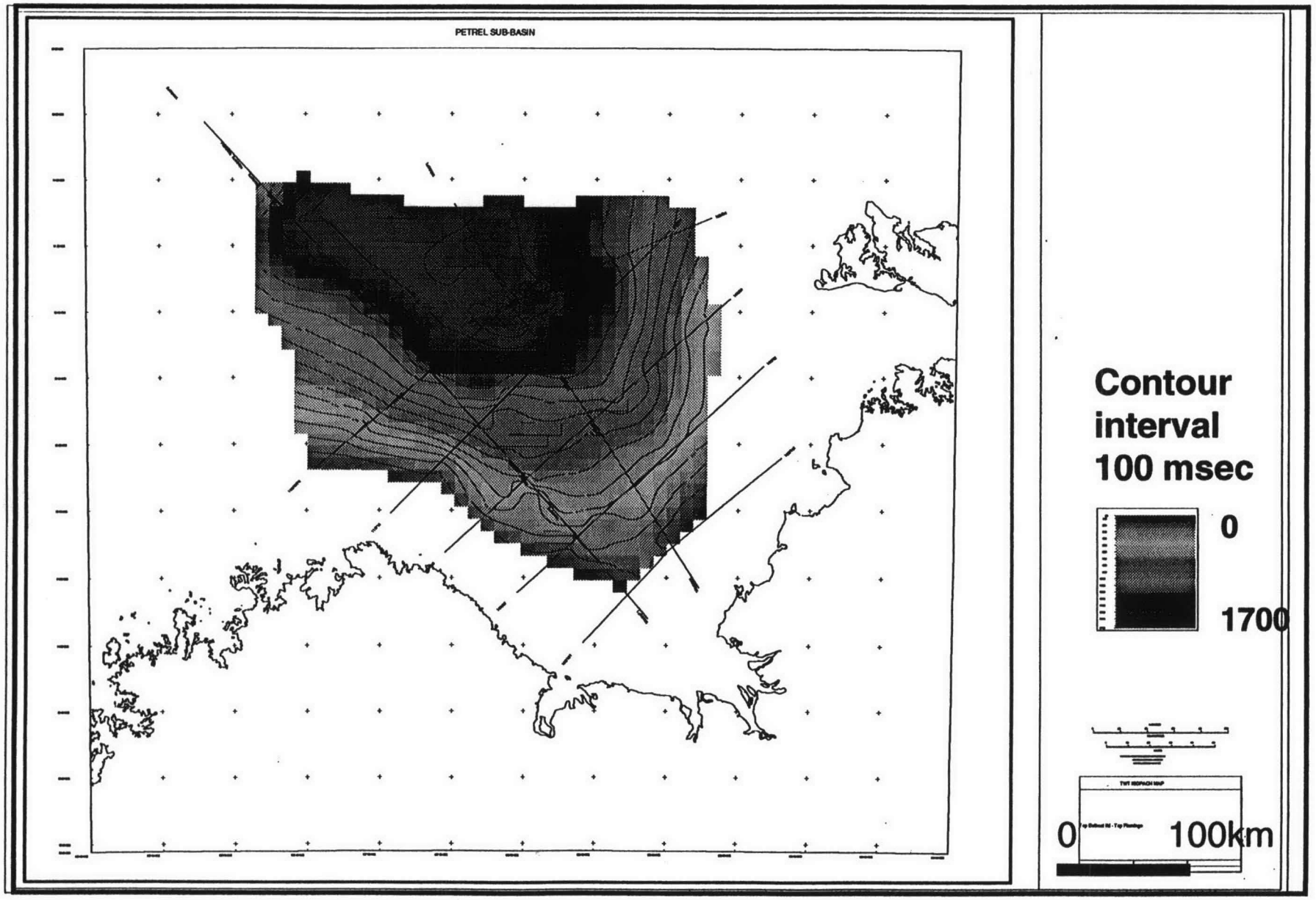
TWT ISOCHRON MAP
Top Plover to Top Malita



TWT ISOCHRON MAP
Top Flamingo to Top Plover



TWT ISOCHRON MAP
Top Bathurst Island to Top Flamingo



APPENDIX: 10

PETROLEUM EXPLORATION DRILLING AND HYDROCARBON INDICATIONS

APPENDIX 12
PETROLEUM EXPLORATION DRILLING AND HYDROCARBON INDICATIONS
for the wells listed below:-

BARNETT 1
BARNETT 2
BERKLEY 1
BILLABONG 1
BONAPARTE 1
BONAPARTE 2
BOUGAINVILLE 1
CAMBRIDGE 1
CURLEW 1
FISHBURN 1
FLAT TOP 1
FRIGATE 1
GARIMALA 1
GULL 1
KEEP RIVER 1
KINMORE 1
KULSHILL 1
KULSHILL 2
LACROSSE 1
LESUEUR 1
MATILDA 1
MOYLE 1
NEWBY 1
NINGBING 1
PELICAN ISLAND 1
PENGUIN 1
PETREL 1
PETREL 1A
PETREL 2
PETREL 3
PETREL 4
PETREL 5
SANDPIPER 1
SKULL 1
SPIRIT HILL 1
TERN 1
TERN 2
TERN 3
TERN 4
TURTLE 1
TURTLE 2
WEABER 1
WEABER 2A

PETROLEUM EXPLORATION DRILLING

Following are brief summaries of petroleum exploration wells drilled within the Petrel Sub-basin. The sequences penetrated in terms of the petroleum systems recognised in the sub-basin are noted for each well.

BARNETT 1, 1985, 2350 m (Lee and Baffray, 1985)

Larapintine-Gondwanan Transition/Gondwanan 1

Barnett 1 was drilled in 1985 by Aquitaine in NT/P 28 on a domal structure which Gunn and Ly (1989) speculated was part of the axial dome formed by the injection of oceanic material during "upper" Milligans Formation time. Barnett 1 was drilled on a broad flat anticline (4 to 16 km^2), terminated on the eastern flank by a series of north-south trending normal faults which down fault the adjacent compartment. The structure is controlled by an "intra-Milligans Formation" (Bonaparte Formation) horst block, the Turtle-Barnett High. Drape across the eroded structure provides closures for the Tanmurra and younger formations, including the Kulshill Group. The structural setting is similar to the nearby Turtle 1 well, which had good oil shows within the Kulshill Group.

Barnett 1 had significant oil shows in the Permo-Carboniferous Kulshill Group. Oil was recovered from an RFT (Repeat Formation Test) between 2095.5 and 2036 m at the top of the Point Spring Sandstone, and several gas peaks occurred between 2195 m to 2245 m. Barnett 2 was intended to test the Kulshill Group in a slightly up-dip position as a secondary target. The primary target was the previously undrilled deeper section in the "upper" Milligans Formation which produced oil at Turtle 2.

BARNETT 2 - 1989, 2817 m (Faehrmann, 1990)

Larapintine 3/Larapintine-Gondwanan Transition/Gondwanan 1

Barnett 2 was drilled to test the Barnett structure updip of Barnett 1. The primary objective was the previously undrilled "upper Milligans Formation" (Bonaparte Formation, *Grandispora* sp. cf. *G. praecipua* zone). The Kulshill Formation was a secondary target.

Barnett 2 produced a flow of 921 BOPD from the interval between 1491 and 1506 m in the Kulshill Group. The well reached TD within the "upper" Milligans Formation at a depth in excess of 2800 m and was cased as a suspended oil producer.

Four DST's were conducted.

DST	*Perforated Intervals*	*Recovery*
1	2393.0-2408.0	Water (42 000 ppm equiv NaCl)
	2415.0-2421.0	90 MSCF/day (SG = 0.685, air = 1)
	2413.5-2419.5	Trace oil 44° API
2	1929.0-1935.0	Water (950 ppm equiv NaCl)
3	1491.0-1497.0	752 BOPD oil 38.6° API (jet pump)
4	1491.0-1497.0	No natural flow
	1500.5-1506.5	921 BOPD oil 38.6° API (jet pump)

Table 13 DST's in Barnett 2

BERKLEY 1 - 1982, 873 m (Harrison, M. and Scott, P., 1982)

Gondwanan 1

Berkley 1 was drilled as a shallow test of a structure on the southwest basin flank of the basin. The well encountered Permian section over high velocity Proterozoic dolerite (60 m penetrated) that had been interpreted pre-drill as a supposed reef structure.

BILLABONG 1 - 1992,1852 m

Westralian 1, 2

The well bottomed in Callovian Plover Formation without encountering any shows.

BONAPARTE 1 - 1964, 3209 m (Le Blanc, 1964)

Larapintine-Gondwanan Transition

Bonaparte 1 drilled the upper Carboniferous Border Creek Formation, upper Visean to ?Namurian Tanmurra Formation, and the upper Devonian to upper Visean Bonaparte Formation (Beds) as described by Playford (1971). Bonaparte Formation (Beds) are Visean - upper Tournasian in age, unconformably overlying older section based on the Ostracod studies of Jones (1989). The upper part of the "Bonaparte Formation" probably corresponds to the upper and lower Milligans Formation offshore.

The well produced gas-cut salt water at 1715-1736 m from the Milligans Formation (Brown, 1979).

BONAPARTE 2 - 1964, 2136 m (Le Blanc, 1965)

Larapintine 3/Larapintine-Gondwanan Transition

Bonaparte 2 drilled the upper Carboniferous to lower Permian plus a similar section to Bonaparte 1.

The well produced a gas flow from the Milligans Formation at a depth of 1436-1468 m and 1430-1450 m (Brown, 1979) .

BOUGAINVILLE 1 - 1972, 2680 m (Laws and Campbell, 1972)

Westralian 1, 2/Gondwanan 2

Bougainville 1 was drilled on an 80 km^2 fault independent anticline with 70 msec TWT closure on seismic horizon H5, at a depth of 670 msec TWT (approximately 1400 m). This depth corresponds in the well to a thick limestone near the base of the Permian Hyland Bay Formation, a level of significant sonic velocity change in the well.

The structure is believed to be the result of a deep seated diapiric salt intrusion. The structure trends north-west and the crestal region is extensively modified by associated normal faulting. The well was located slightly off the crest.

Slight traces of fluorescence were noted towards the base of the Fossil Head Formation. Log analysis revealed all reservoirs to be water saturated. Variations in salinity indicated flushing of at least some reservoirs, presumably by water migrating along the adjacent fault planes.

CAMBRIDGE 1 - 1984, 2228 m (Western Mining Corporation Ltd, 1985)

Larapintine-Gondwanan Transition/Gondwanan 1

The well was drilled on a fault controlled dip closure covering all levels from middle Permian to early Carboniferous.

Shows of oil were obtained between 568 to 650 m in the Hyland Bay and Fossil Head Formations. Two DST's were run but no oil was recovered.

CURLEW 1 - 1974, 2035 m (Arco Australia Limited, 1974)

Westralian 1, 2

Curlew 1 was drilled to test a domal closure over an apparent deep seated salt piercement feature on the eastern flank of the Petrel Sub-basin (Lavering and Ozimic, 1988, 1989). The structure is closed at the near-base Tertiary level, but structural closure at the near base late Cretaceous level is fault dependent, implying Tertiary age trap formation. Seismic interpretation indicated diapiric growth with the development of prominent rim

synclines during the Permian to Tertiary. The structure is very similar to one tested by the Gull 1 well some 43 km to southwest, but at Curlew 1 structural growth ceased at an earlier stage in the Tertiary as evidenced by onlap of the near top Bathurst Island Group rocks.

The primary objectives of the well were Jurassic sandstones. Minor gas shows were observed in the late Jurassic and Cretaceous Flamingo Group and Plover Formation. Five formation interval tests (FITs) and three drill stem tests (DSTs) were run over the Jurassic Flamingo Group and Plover Formation. A show comprising 300 mL of light oil (similar to diesel) and 0.55 cu. ft of gas was recovered from the late Jurassic in FIT 4. Water with an NaCl equivalent salinity of 56 000 ppm was also recovered. The only geochemical analysis available is equivocal, but on the balance of the petrophysical and engineering data it seems that the recovered oil is a contaminant (K. Abdelmalek, AGSO, personal communication, 1995). This oil is thought to represent contamination from diesel pumped down the hole at this level when the drill pipe became stuck.

FISHBURN 1 - 1992, 2870 m

Westralian 1, 2/Gondwanan 2

Fishburn 1 was drilled on a tilted fault block along a Permo-Triassic hinge line. The primary objective was the Jurassic Plover Formation, with the Permian Hyland Bay Formation identified as a secondary objective. The target intervals came in as prognosed. There were no significant hydrocarbon indications in the Plover Formation. However, a 50 m gas column was intersected in the Hyland Bay.

Preliminary evaluation indicated that the volume of gas is not presently commercial.

FLAT TOP 1 - 1970, 2174 m (Mulle and Branger, 1970)

Westralian 1, 2 /Gondwanan 2

Flat Top 1 was drilled as a follow-up to Newby 1, to evaluate further the potential of pinchouts associated with the northeastern edge of the basin. **No structural closure was present at any level in the well..**

Flat Top 1 penetrated some 1200 m of Permo-Triassic rocks unconformably overlying an undated quartzite presumed to be Proterozoic basement. The quartzite is very indurated with a very low drill penetration rate, however it contains some organic matter and may be Palaeozoic in age (Bradshaw, 1990). The presence of Proterozoic basement at 7105 ft in Flat Top 1 suggests block faulting has occurred at the edge of the Darwin Shelf

Good quality sandstone reservoirs were encountered over the Permian to Cretaceous sections with porosities ranging from 15 to 30% and permeabilities ranging from fair to good. However, a FIT run at 1,473 m over the upper Fossil Head Formation yielded a trace of ethane together with formation water (37 000 ppm NaCl). Later analyses of cuttings from the well detected migrated oil in the limestone at 1713 m (Robertson Research, 1986).

FRIGATE 1 - 1978, 1585 m (Arco Australia Limited, 1978)

Westralian 1, 2

Frigate 1 was located on a 50 km^2 faulted (but not fault controlled) anticline with about 90 msec closure on the base of Cretaceous.

Good porosity was encountered at the base Cretaceous target horizon but only minor ditch gas increases were observed despite being structurally higher than both the Tern and Petrel gas fields.

GARIMALA 1 - 1988, 2553 m Nugent (1989)

Larapintine 3/ Larapintine-Gondwanan Transition

The well is located in the onshore Petrel Sub-basin, at the northeast margin of the Carlton Shelf. Garimala 1 is located on a four-way dip closure of the Bonaparte Formation (presumed basinal facies of the Cockatoo Limestone) and the Milligans Formation. The Garimala structure is located over the leading edge of a rotated pre-Devonian fault block adjacent to the main edge fault of the Carlton Shelf.

DST 1 conducted of the interval 1037 to 995 m where a gas peak of 60 units was recorded in the upper Milligans Formation, recovered only rat hole mud with no sign of hydrocarbons. DST 2 tested the Bonaparte Formation between 2401 and 2381 m recovering 0.75 MMCFD decreasing to 0.47 MMCFD over a period of 2 hrs.

Milligans Formation shows were reported between 755 and 1317.5 m in the well (Nugent, 1989).

No vitrinite reflectance measurements have been determined to date for the well. The palynologists report indicated that the spores below 1600 m were mostly carbonised beyond recognition indicating a rapid change to dry gas window maturity conditions.

A large sonic break occurs between the upper and lower Milligans Formation but no significant sonic break between the lower Milligans and the Bonaparte Formation. The higher velocity is due to silicified sandstones.

Both fining upward and coarsening upward cycles appear to be present in the Bonaparte Formation. These are interpreted as Bouma cycles with sporadic prograding or avulsing fan channels. This may be a deeper water equivalent of the red beds and carbonates observed in the Kulshill wells.

GULL 1 - 1971, 3421 m (Arco Australia Ltd, 1971)

Westralian 1, 2

The Gull 1 well was located on a large seismically defined anticline over 50 km^2 in area. The well penetrated Miocene to Triassic section with two G1 level gas shows at 597 m and 2134 m.

KEEP RIVER 1 - 1969, 4762 m (Australian Aquitaine Petroleum, 1969)

Larapintine 3/Larapintine-Gondwanan Transition

Keep River 1 was drilled on the western flank of the Pincombe Ridge in the onshore Petrel Sub-basin. The well was designed to test a partially fault dependent closure at Palaeozoic levels along a structural high trend separating the Carlton and Burt Range Sub-basins. The nature of the up-dip closure to the southwest was obscured by poor quality seismic data. Northwest trending, down to the basin, cross-faults may provide the critical counter-dip closure (Petroconsultants, 1990).

The well penetrated early Permian Kulshill Formation, Visean Tanmurra and Milligans Formations, middle to late Tournasian Septimus and Enga Formations, early to middle Tournasian Burt Range Formation, Famennian Ningbing Limestone and Frasnian Cockatoo Formation (Brown, 1979). A thicker than expected Palaeozoic section was encountered with gas shows throughout the lower Carboniferous Milligans Formation and from fractures within the late Devonian section. Eight DST's produced up to 3 MMCFPD from the early Carboniferous Milligans Formation. Flow rate decreased rapidly during each test.

KINMORE 1 - 1974, 3250 m (Laws and Clerc, 1974)

Larapintine-Gondwanan Transition/Gondwanan 1

Kinmore 1 is located down-dip from the crest of a diapiric structure. Seismic data and the melange of lower Carboniferous lithologies in the interval 2931 to 3046 m suggest that the well entered the side of the diapir below the highest extent of the salt. In the centre of the Kinmore structure it appears that the salt approaches within 1000 m of the surface.

The well intersected sequences on the southeastern flank of the intrusive, which is interpreted to have grown relatively continuously since the late early Permian.

The structure was mapped on the near base of the greywacke member (or Keyling Formation) of the Kulshill Group. Structural closure occurs over an area exceeding 55 km^2 although the structure is disrupted by a series of major normal faults upon which closure depends. The structure exhibited in excess of 350 m of vertical closure.

Only minor traces of gas were encountered despite adequate reservoir and cap rocks being penetrated. The highest (up to 20 000 ppm C1) appear to correspond to thin coals in the sandstone member of the Kulshill Formation.

KULSHILL 1,1965, 4394 m (Duchemin et al., 1966)

Larapintine-Gondwanan Transition/Gondwanan 1

Kulshill 1 and 2 were drilled to investigate the Palaeozoic stratigraphy and prospectivity of the Kulshill structure. This structure was delineated from refraction and surface mapping as a highly faulted dome or horst.

Both oil and gas shows were encountered in the early Permian and upper part of the early Carboniferous sedimentary rocks. Only gas was recorded below the Tanmurra Formation. DSTs produced only water and gas cut mud. Oil staining was observed through the Kulshill Group. Six DSTs were run over the Kulshill Group to evaluate these shows, but only small recoveries of fresh water and/or drilling mud were obtained. Gas shows were also encountered over the same interval and within the older Carboniferous and Devonian sections.

KULSHILL 2 - 1966, 1961 m (Creevey, 1966)

Larapintine-Gondwanan Transition/Gondwanan 1

Kulshill 2 was drilled up-dip of Kulshill 1, 5 km away on another fault bound compartment of the Kulshill structure. Oil and gas shows were encountered over a much more restricted interval than in Kulshill 1. The well encountered fluorescence in the Treachery Shale and fair to good oil shows in the Point Spring Sandstone. Numerous gas shows were also noted in the Milligans Formation.

LACROSSE 1 - 1969, 3054 m (Arco Australia Limited, 1969)

Larapintine-Gondwanan Transition/Gondwanan 1

The well tested a 20 km^2 fault block mapped on the near base of upper Carboniferous. Lacrosse 1 was the first well to be drilled in the offshore "Bonaparte Gulf Basin". A weak gas show was observed in the Hyland Bay Formation at 533 m and oil shows from 1710 m to 1740 m in the Kulshill Group.

LESUEUR 1 - 1980, 3589 m (Lane, 1981)

Larapintine 3/Larapintine-Gondwanan Transition/Gondwanan 1

Lesueur 1 was drilled on a rollover structure against a basin margin fault. The well penetrated a condensed basin sequence ranging from the Triassic Mount Goodwin Formation to the Visean upper Milligans Formation (called Bonaparte Formation in the well completion report).

Several oil and gas shows were encountered during the drilling of Lesueur 1 mostly between 3000 m and 3500 m in the Tanmurra and Milligans (called Bonaparte in the WCR) Formations.

MATILDA 1 - 1985, 2313 m (Western Mining Corporation Ltd, 1985a)

Larapintine 3/Larapintine-Gondwanan Transition/Gondwanan 1

Matilda 1 was drilled on a faulted salt diapir induced closure of regional extent. Two poor (L1, G1) oil/gas shows were encountered in the Fossil Head and upper Kulshill Formations.

The well was targeted on the Tanmurra Formation with the Bonaparte Beds as a secondary play.

MOYLE 1 - 1966, 539 m (Brophy, 1966)

Gondwanan 1

Moyle 1 was drilled on the Darwin Shelf of the onshore Petrel Sub-basin. The well intersected a thin Permian sequence overlying presumed Proterozoic basement.

The well was primarily a stratigraphic test to ascertain the thickness of Palaeozoic section in this portion of the basin. There were no gas or oil shows in any of the sedimentary formations penetrated. However, the well did establish that the deepest seismic reflection recorded in this region coincided with the top of presumed Proterozoic crystalline basement.

NEWBY 1, 1148 m (Australian Aquitaine Petroleum, 1970)

Westralian 1, 2

Newby 1 was drilled to explore the stratigraphy and hydrocarbon potential of erosional pinch outs on the Moyle Platform. A Mesozoic section unconformably overlying Proterozoic basement established the presence of a Palaeozoic pinchout to the west, however, no hydrocarbon shows were encountered.

NINGBING 1 - 1982, 1269 m Garside (1982)

Larapintine 3

Ningbing 1 was drilled to test a small structural closure at the top of the Ningbing Limestone interpreted as a possible carbonate build-up. The well intersected the Tournasian to late Visean Bonaparte Formation, Famennian Ningbing Limestone and Jeremiah Formation and the Frasnian Cockatoo Formation.

Ningbing produced good fluorescence and a slight oil bleed from fractures in core at 1013 m (Garside, 1982). Two DST's conducted failed to produce any significant shows.

DST 1 -- 995 - 1034 m test failed, tool only opened for 3 min, 56.8 m of rat hole mud recovered.
DST 2 -- 1001.88 m - 1071.99 m recovered 200 m of gas cut fresh muddy water, (About 1000 ppm NaCl, C1 7012 ppm, C2 2127 ppm, C3 1520 ppm, iC4 238 ppm, nC4 606 ppm) G2

Table 12 DST results for Ningbing 1

PELICAN ISLAND 1 - 1972, 1981 m (Arco Australia Limited, 1972)

Larapintine-Gondwanan Transition/Gondwanan 1

Drilled a 60 km^2 closure on the top of the Tanmurra Formation. Encountered several thin gas shows and one oil show prior to intersecting salt at the top of the dome.

PENGUIN 1 - 1972, 2757 m (Arco Australia Limited, 1972a)

Westralian 1, 2/Gondwanan 2

Penguin 1 was drilled on a large 60 km^2 fault independent anticline mapped on the H5 limestone. The well recovered gas below the H5 limestone at the same stratigraphic level as the Petrel 1 blowout. The gas show rated G4.

PETREL 1 - 1969, 3980 m (Arco Australia Limited and Australian Aquitaine Petroleum Pty Ltd, 1969)

Westralian 1, 2/Gondwanan 2

Petrel 1 was drilled in the offshore portion of the Petrel Sub-basin. Petrel 1 was only the second offshore well (Lacrosse 1 being the first). The well tested a large gently folded anticline oriented roughly parallel to the northwest axis of the basin. Closure is greater than 119 km^2 in area and vertical closure exceeds 83 m (Lavering and Ozimic, 1989). The structure was interpreted to have formed during the late Permian and grown during the Triassic and Jurassic. Later structuring is considered to have produced regional tilting to the northwest. Structural closure on seismic horizon H5 (near the top of the lower Permian) is approximately 200 m over an area of about 570 km^2. Closure on seismic horizon H3 (base of Jurassic) however is only about 30 m over an area of 125 km^2. No closure is evident above H3.

The well reached a total depth of 3980 m without encountering any hydrocarbon indications except for the final 2 m interval in which high pressure gas was intersected. Owing to a series of mechanical failures, a blow-out occurred and the drillhole was lost. No tests were conducted. The following year a relief well, Petrel 1A, was drilled. The Petrel 2 confirmation well was drilled in 1970/71, and was followed by the drilling of Petrel 3 in 1981, Petrel 4 in 1988 and recently Petrel 5 in 1994. The accumulation is currently being assessed for commercial development with gas reserves estimated at between 100 and 440 x 10^9 m^3 (3.3 to 13.6 TCF).

PETREL 1A - 1970, 4090 m (Arco Australia Limited and Australian Aquitaine Petroleum Pty Ltd, 1971)

Westralian 1, 2/Gondwanan 2

Petrel 1A was drilled as a relief well for Petrel 1. No gas was encountered in the well but a very high mud weight (12.8 ppg) was run. At TD, mud, water and cement were pumped into the well reducing the gas flow at Petrel 1, thereby indicating fluid connectivity between the wells.

PETREL 2 - 1971, 4725 m (Arco Australia Limited, 1971c)

Westralian 1, 2/Gondwanan 2

The well was sited about 4 km south-east of the original discovery drillhole. Petrel 2 was drilled as a follow-up to the initial gas discovery (blowout) well Petrel 1. Late Permian

sandstones of the Cape Hay Member located between 3653 to 3671 m (11 982- 12 040 ft) tested dry gas at a rate of 186 000 - 411 000 m^3/day (6.6 - 14.5 MMCFPD) on a 1.27 cm (1/2") choke (DST 6). The Petrel Field is currently shut-in awaiting development.

PETREL 3 - 1982, 3970 m (Garside and Forder, 1982)

Westralian 1, 2/Gondwanan 2

Petrel 3 was drilled to test the southeast extension of the Petrel Anticline and collect reservoir data.

PETREL 4 - 1988, 3975 m

Westralian 1, 2/Gondwanan 2

The gas reservoir occurs at top of the Cape Hay Member steam mouth bar sand. The reservoir is probably controlled by primary facies with preservation due to diagenetic inhibition as described by Bhatia et al. (1984).

Petrel 4, like the other wells in the Petrel Field, is sealed intraformationally by about 15 m of sub-fissile shale overlain by another 65 m of non-porous limestone and siltstone to next reservoir sand which had no hydrocarbons. The gas accumulation is sealed by Hyland Bay Formation (H4 Member) not the regional seal of Mount Goodwin Formation.

Good porosity was encountered in the Triassic but no hydrocarbons were present. Sand at top Bathurst Island Formation from log and lithology descriptions is not interpreted as a Maastrichtian fan, but rather a barrier bar.

PETREL 5 - 1994

Westralian 1, 2/Gondwanan 2

Petrel 5 was a stepout well to further the Petrel Field. Detailed results are confidential at the time of writing. The Petrel wells have continued to successfully prove up the giant (approximately 13 TCF) Petrel Gas Field.

SANDPIPER 1 - 1971, 1892 m (Arco Australia Limited and Australian Aquitaine Petroleum Pty Ltd, 1972)

Westralian 1, 2

Sandpiper 1 tested Jurassic and Cretaceous section but intersected salt prior to reaching the predicted level of the Hyland Bay Formation.

SKULL 1 - 1984, 2000 m (Barnes and Lee, 1984)

Larapintine 3/Larapintine-Gondwanan Transition

The well was designed to test a small fault dependant structural closure at the top of the Ningbing Limestone.

No shows were recorded but minor gas peaks associated with tight quartzose sandstones through the Milligans Formation (up to 80 000 ppm Cl). Oil droplets were noted in the coal maceral description report on the 673 m sample at the top of the Milligans Formation.

Although targeted on the limestones of the Ningbing Group, Skull 1 drilled mainly clastic Milligans Formation. The Kulshill and Tanmurra Formations were penetrated in the shallow section of the well.

SPIRIT HILL 1 - 1960, 915 m (Oil Development N.L., 1961)

Larapintine 3/Larapintine-Gondwanan Transition

Spirit Hill 1 penetrated Visean Milligans Formation, Tournasian Burt Range Formation and ?Famennian Buttons Formation. Spirit Hill 1 was the first petroleum well drilled in the Bonaparte Basin. It was a continuously cored diamond drill hole with the objectives being to determine the subsurface stratigraphic sequence on the Spirit Hill Anticline and the prospectivity of the Burt Range Formation located adjacent to the Burt Range Sub-basin. Slight traces of residual oil were detected in the cores of the Milligans and Burt Range Formations. A subsequent seismic survey and field mapping indicated that the well was located at least 4 km down-dip of a subcrestal culmination and some 6 km down-dip of the regional anticlinal crest.

TERN 1 - 1971, 4352 m (Arco Australia Ltd, 1971a)

Westralian 1, 2/Gondwanan 2

Tern 1 was drilled near the crest of a 70 km^2 structure with minor fault disruption on the near base upper Permian (seismic horizon H5) map of ARCO AUSTRALIA LIMITED (1971). It was a gas discovery in the "Tern Sand" at the top of the Hyland Bay Formation. The well encountered very hard indurated sandstones at the base of the well in the Kulshill Formation at 14 278 feet. The slow drilling conditions resulted in an early termination of the well still within the Permian section.

TERN 2 - 1982, 3140 m (Chan, 1981)

Westralian 1, 2/Gondwanan 2

Drilled 9.8 km southeast of Tern 1, Tern 2 appraised the "Tern Sand" reservoir of the Hyland Bay Formation. The well is 10 msec below and down dip from the H4 seismic horizon in Tern 1. The structure is some 75 km^2 in area with an amplitude anomaly extending well beyond the area of structural closure.

TERN 3 - 1982, 2683 m (Chan, 1982)

Westralian 1, 2/Gondwanan 2

Tern 3 was drilled on a separate culmination about 8 km south of the Tern gas field. The structure mapped on seismic horizon H4 flanks an interpreted salt diapir and appears to be a stratigraphic trap with dubious closure. The well stopped in the middle of the upper cycle of the Cape Hay Member of the Hyland Bay Formation, failing to test the lower potential reservoir sequence.

Based on the results of the cluster dipmeter, the structural dip in the Tern Member of the Hyland Bay Formation at Tern 3 is about 8 to 10 ° S with the uncorrected crossbed dips in the sandstone reservoir dipping about 10 ° NE. True cross-bed dips are therefore about 15° NNE suggesting deltaic progradation from the south. This is supported by the results from the Flat Top 1 well which exhibits a more marine influence (thicker limestones and little coal in the H4 to H5 interval) within the Hyland Bay Formation.

The southerly structural dip at Tern 3 suggests the structure is not closed, or even part of the Tern Anticline.

TERN 4

Westralian 1, 2/Gondwanan 2

This well achieved a significant gas flow but the details have not yet been released. (See the section, Significant hydrocarbon occurrences). With the exception of Tern 3 which was dry, these wells have successfully proved the 1.3 TCF Tern Gasfield. Chomat and Coisy (1985) described this field.

TURTLE 1 - 1984, 2700 m (Western Mining Corporation Ltd, 1984)

Larapintine-Gondwanan Transition/Gondwanan 1

The primary objective in Turtle 1 were the sands of the Kulshill Formation and the carbonates of the Tanmurra Formation. At the well location, drape closure increased with depth over a pre-Tanmurra faulted basement block.

Three intervals produced oil, all from the Kulshill Formation. They were, 952-955 m, 1466-1468 m and 1615.7-1624 m..

The (lower) Tanmurra and Bonaparte Formations showed poor reservoir characteristics having average porosities of 5% and 9% respectively, and average permeabilities of 15 md and 0 md respectively.

TURTLE 2 - 1989, 2760 m (Western Mining Corporation Ltd, 1990)

Larapintine-Gondwanan Transition/Gondwanan 1

Turtle 2 was drilled as an updip test of the oil shows in Turtle 1. The well was positioned over stacked crestal culminations in the Kinmore and Kulshill Groups.

The Kulshill Group sedimentary rocks were more sandy in Turtle 2 than in Turtle 1. Degraded oil shows were encountered in the top of the Keyling, Treachery Shale and Kuriyippi Formations. Reservoirs were fair to excellent with the major control over reservoir degradation being the growth of interstitial calcite and kaolinite cements.

Good non-degraded oil and gas shows were encountered in the basal Point Spring Sandstone, and throughout the Tanmurra Limestone and Milligans Formation. Reservoir characteristics varied from poor to occasionally fair with grain compaction and kaolinite-calcite cements being the main agents for porosity occlusion.

A show was obtained in H5 limestone and a well developed coarsening upward cycle was encountered in the upper Fossil Head Formation. Good cycle development was also present in the Hyland Bay Formation. Degraded oil shows were encountered in the top of the Keyling, Treachery Shale and Kuriyippi Formations. Good non-degraded oil and gas shows were encountered in the basal Point Spring Sandstone, and throughout the Tanmurra Limestone and Milligans Formation.

Four DST's and two RFT's were carried out with results as follows.

DST 1/1A	Milligans Formation (2721-2632 m)	Recovered 600 BBL of formation fluid and filtrate, including 22 BBL of 34.5° API oil.
DST 2	Lower Tanmurra Formation (2607-2571 m)	Recovered 900 BBL of formation fluid and filtrate, including 30 BBL of 36° API oil.
DST 3	Basal Point Spring Sandstone/top Tanmurra Formation (2447-2420 m)	Failed
DST 4	Top Kuriyippi Formation (1607-1604.5 m)	Failed
RFT 1	Top Keyling Formation (927.1 m)	Recovered 4 gallons of heavy viscous 14.3° API oil
RFT2	Top Kuriyippi Formation (1645 m)	Failed

Table 14 DST results from Turtle 2

An untested oil leg was also present at the Treachery Shale/Keyling Formation boundary.

Oil produced from the Milligans and Tanmurra Formations are thought to have been produced from a badly damaged fracture system.

WEABER 1 - 1982, 1950 m (Garside, 1983; Santos, 1983)

Larapintine 3

Weaber 1 was drilled on a structural closure interpreted as a possible Famennian carbonate bank, a lateral equivalent of the Ningbing reef limestones encountered in Keep River 1. A second objective was the Langfield Group.

Willink (1989) reported that no indications of live oil were detected during drilling, although minor gas detector anomalies were observed in two early Carboniferous sandstones above the Tournaisian unconformity. Fluorescence with cut was recorded in the Enga Sandstone between 1395 m and 1415 m, but was attributed to pipe-dope contamination. Logs showed the primary objective Ningbing limestones to be tight. Fair porosities, high resistivities and high SP deflections were recorded over the Enga Sandstone and an overlying thin Carboniferous sandstone between 1300 m and 1304 m. Although recognising the potential presence of probable gas in these sands, Aquitaine interpreted them to be fresh water filled. As a result, no tests were carried out and the well was abandoned.

Northern Territory Mines Department personnel inspected the abandoned Weaber 1 location in 1984 and found gas bubbling through water inside the surface casing. Santos, the new operator of the permit, re-evaluated the logs and concluded that the two Carboniferous sandstone intervals were gas bearing.

After re-entry of Weaber 1 in 1985 by Santos, four DSTs were run.

DST 1 was a valid test of the interval 1281 to 1313 m. Gas flowed to surface after 12 minutes, and flowed steadily after 34 minutes at the rate of 2.0 MMCFPD through a 1/2" choke with stabilised surface pressure of 321 psi. No fluid recovery was reported.

DST 2 was an invalid test and DST 3 was also invalid test. DST 4, a valid test of interval 1273 to 1421 m KB, tested both upper and lower sandstone beds in an open hole test below the 95/8" casing. Gas flowed to surface after 9 minutes. Gas flowed during two flow periods as follows:

1st flow period: Gas flowed at a rate of 3.6 MMSCFPD through a 1/2" choke at an average surface pressure of 585 psi.

2nd flow period: Gas flowed at a rate of 4.5 MMSCFPD through a 1/2" choke at an average surface pressure of 735 psi. No fluid recovery was reported.

Later analysis of pressure data revealed that formation damage may have impaired the test results and that flow rates as high as 480 000 m^3/day could be achieved from the Enga Sandstone.

WEABER 2 - 1988, 446 m and WEABER 2A - 1988, 1657 m (Turner and Badcock, 1989)

Larapintine 3

A denser grid of 60 fold seismic data was acquired over the Weaber prospect in 1987. A much larger time closure was interpreted to be present and Weaber 1 was considered to have been drilled down-flank on this structure. Weaber 2A was spudded in 1988 on the crest of the time high some 2.3 km west-northwest of Weaber 1 and unexpectedly found the objective Enga Sandstone some 100 m deeper than in Weaber 1. The seismic data had been interpreted to show strong erosional relief at the Burt Range Unconformity level. Alternatively, shallow faults may sole out at this level and be effectively unrelated to deeper structuring. A gas flow was obtained from the Milligans Formation. The immature nature of the reservoir sequences implies that the gas migrated into place.

Significant gas shows were recorded through two sands in the early Carboniferous Milligans Formation. Two drill stem tests were run over the sands at Weaber 2. DST 1, run over the interval 1016-1044 m, was a misrun due to tool plugging during the flow period. DST 2, run after electric logging over the interval 1020-1037 m, flowed gas at a rate of 0.134 MMCFPD through a 13 mm (1/2") top choke. 59 m (1.4 BBLS) of slightly gas cut muddy filtrate (Rw = 0.344 @ 250) and mud were recovered.