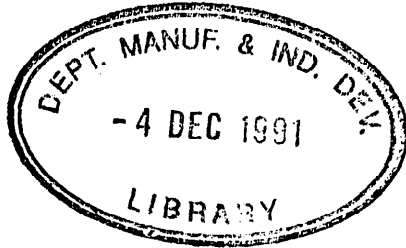


PE990783

1991/63



PALYNOLOGY ON THE COLAC
1:250 000 MAPSHEET

BY:

S. J. TICKELL

UNPUBLISHED REPORT 1991/63

COPY 3

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INTRODUCTION

This report is a summary of existing palynological determinations carried out on cores, cuttings and outcrop material in the Colac 1:250 000 mapsheet area. For more detailed information readers are referred to the original reports listed below.

A key to the geological formation symbols is given in Table 1 while the Cretaceous spore-pollen zone charts of Dettmann and Playford (1969) and Helby, Morgan and Partridge (1987) are shown in Figure 1. The Tertiary spore-pollen zone charts of Harris (1971) and Stover and Partridge (1973) are shown in Figure 2.

TABLE 1

Key to geological formation symbols

Tpb	Sentinal Rock Clay
Tmi	Gellibrand Marl
Ton	Narrawaturk Marl
Ted	Demons Bluff Formation
Tem ₁	Mepunga Formation, upper sand unit
Tem ₂	" " Brucknell Member
Tem ₃	" " , lower sand unit
Tem ₄	" " Sturgess Point Member
Tad	Dilwyn Formation
Tad ₁	Pember Mudstone
Tae	Eastern View Formation
Tap	Pebble Point Formation
Tam	Moomowroong Sand
Kup	Paaratte Formation
Kun	Nullawarre Greensand
Kub	Belfast Mudstone
Kuf	Flaxman Formation
Kuw	Waarre Formation
Kl	Eumeralla Formation, undifferentiated
Klp	" " , "paradoxa" unit
Kls	" " , "speciosus" unit
Klh	Pretty Hill Sandstone
Juc	Casterton Beds

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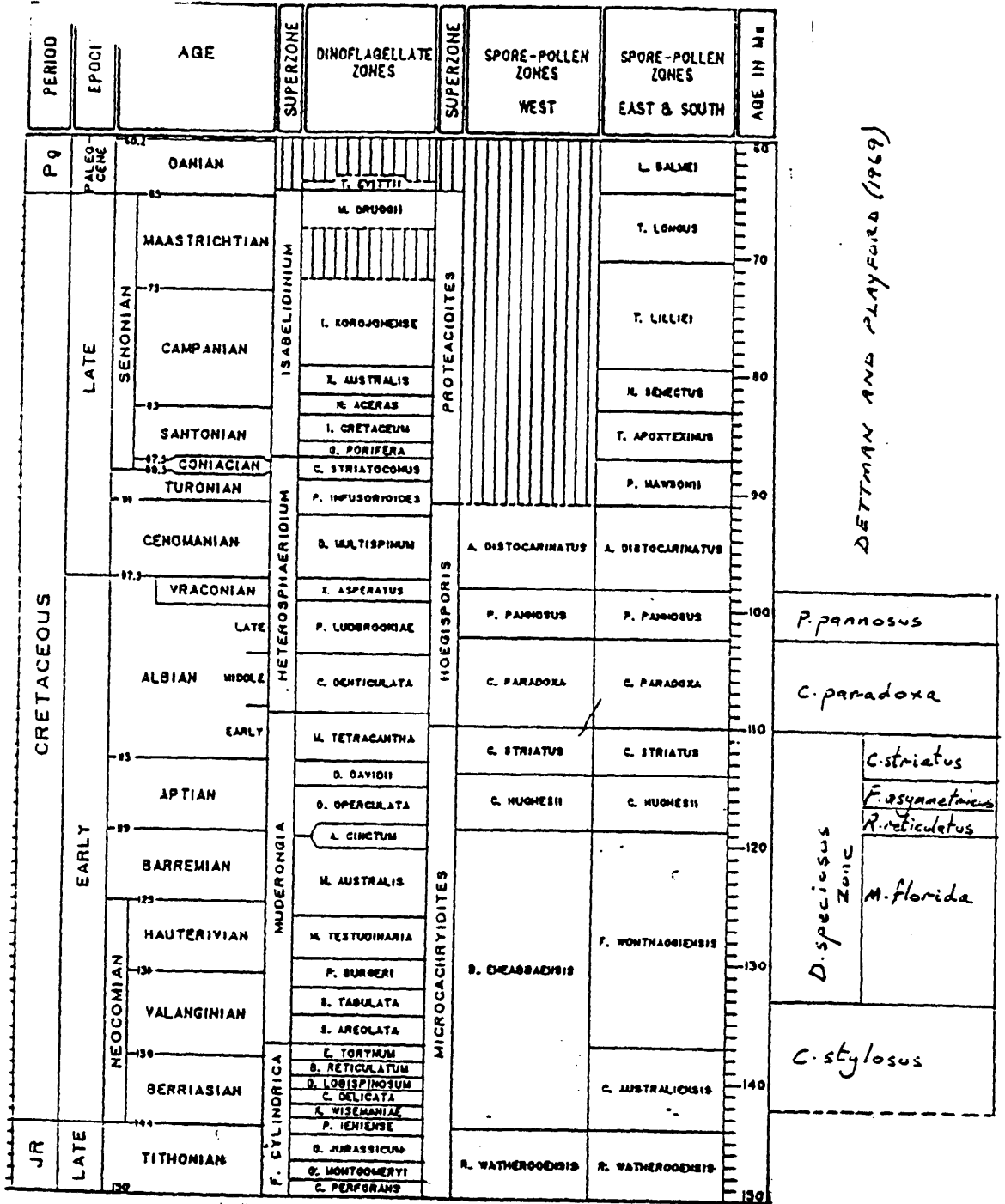
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ST:cg.2

3 December 1991

R. HELBY, R. MORGAN
AND A.D. PARTRIDGE
(1989)



DETTMAN AND PLAYFORD (1969)

D. speciosus Zone

C. striatus
F. asynnetrius
R. reticulatus
M. florida

C. stylosus

Fig 1 Cretaceous spore-pollen zones

AGE m.y.	EPOCHS. SERIES	SPORE-POLLEN ZONES	
		after Harris (1971); etc.	after Stover & Partridge (1973)
1.8	PLEISTOCENE		
	3.3	LATE	
EARLY			
5.0	MIOCENE	LATE	
10.5		MIDDLE	<i>Triporecolletes bellus</i>
15.0		EARLY	
23.5	OLIGOCENE	LATE	<i>Cyathacidites annulatus</i> <i>Proteacidites tuberculatus</i>
32.0		EARLY	<i>*parganiaceae-pollenites barungensis</i>
37.5	EOCENE	LATE	<i>Tricolpites magnificus</i> <i>Nathalipollites asperus</i> Upper
43.0		MIDDLE	<i>Proteacidites pachypolus</i> <i>Proteacidites confragosus</i> <i>Proteacidites asperopolus</i> Lower
49.0		EARLY	<i>Cupamoidites orthoteichus</i> <i>Malvacipollis diversus</i>
53.5	PALAEOCENE	LATE	<i>Gambriina edwardsii</i> <i>Lygistipollenites balmeri</i>
56.0		MIDDLE	
62.0		EARLY	<i>Tricolpites longus</i>
65.0			

Fig. 2 Tertiary spore-pollen zones

PARISH/ BOREHOLE	BORE NO.	SAMPLE DEPTH FROM/TO (m)	SAMPLE TYPE	SPORE/POLLEN ZONE	GEOLOGICAL UNIT	REFERENCE	COMMENTS
AIRE			OUTCROP	Upper N. asperus	Ton	Harris, 1971	Top of Browns Ck exposure YC 708057057
			OUTCROP	Lower N. asperus	Ted	Harris, 1971	Turritella Clay bed Browns Ck section. YC708057057
			OUTCROP	Lower N. asperus	Tad?	Harris, 1971	Top of gully section, Browns Ck. YC 708157057
			OUTCROP	M. diversus	Tad	R. Morgan, 1990	YC 708357053 Johanna River Sand
			OUTCROP	Lower N. asperus	Ted	R. Morgan, 1990	YC 710857044 Johanna River Sand
			OUTCROP	Lower to middle N. asperus	Tad ?	R. Morgan, 1990	YC 710657059 Rotten Point Sand
ANGAHOOK			OUTCROP	Upper N. asperus ?	Tae	Archer unpub.data,	Anglesea coal mine top seam
			OUTCROP	Lower N. asperus	Tae	Archer unpub.data,	Anglesea coal mine 30 m above main seam
			OUTCROP	Lower N. asperus ?	Tae	Archer unpub.data,	Anglesea coal mine interseam sediment
			OUTCROP	Lower N. asperus ?	Tae	Archer unpub.data,	Anglesea coal mine 30 m above seam, leaf bed
			OUTCROP	Lower N. asperus	Tae	Archer unpub.data,	Anglesea coal mine bottom seam
	85	20.3 20.4	CORE	Upper N. aspersus	Tae	Archer 1983	
ANGLESEA	1	459.0 465.1	CORE	L. balmei	Tae	Dettmann, 1965c, 1970	
	1	541.9 548.0	CORE	? Nothofagidites	Tae	Dettmann, 1965c, 1969	
	1	588.6 594.7	CORE	C. paradoxa or C. striatus	K1	Dettmann, 1965c, 1969	
	1	678.2 684.3	CORE	C. paradoxa or C. striatus	K1	Dettmann, 1965c, 1969	
	1	696.8 699.8	CORE	C. paradoxa or C. striatus	K1	Dettmann, 1965c, 1969	
	1	779.4 782.4	CORE	C. striatus	K1s	Dettmann, 1965c, 1969	
	1	871.7 874.8	CORE	C. striatus	K1s	Dettmann, 1965c, 1969	

	1	962.6 965.6	CORE	C. striatus	Kls	Dettmann, 1965c, 1969	
	1	1054.6 1057.6	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
	1	1135.1 1138.1	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
	1	1222.6 1225.6	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
	1	1287.2 1290.5	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
	1	1376.8 1379.8	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
	1	1468.8 1471.8	CORE	F. assymmetricus	Kls	Dettmann, 1965c, 1969	
BALLANGEICH	1	810.0	CUTTING	C. striatus	Kl	Aziz Islam 1987	
	1	860.0	CUTTING	C. hughesi	Kl	Aziz Islam 1987	
	1	865.0	CUTTING	F. wongthaggiensis	Kl	Aziz Islam 1987	
	1	1200.0	CUTTING	R. watherooensis	Juc	Aziz Islam 1987	
BAMBRA	55	27.5 29.0	CORE	Indeterminate	Kl ?	V. Archer unpub. data	
			OUTCROP	Lower N. asperus	Tae	Archer unpub.data, Deans Marsh dump	
BARONGAROOK	63	24.0 24.0	CORE	C. paradoxa	Kl	V. Archer unpub. data	
	67	92.0 92.0	CUTTING	D. speciosus	Kl	V. Archer unpub. data	C.striatus subzone present
	67	127.0 130.0	CUTTING	C. paradoxa	Kl	V. Archer unpub.data	
BARTONS CORNER	1	1674.0	SWC	A. distocartinatus	Kuw	Archer 1985	
	1	1700.0	SWC	P. pannosus to early A. distocartinatus	Kl	Archer 1985	
	1	1835.0	SWC	Indeterminate	Kl	Archer 1985	
BEECH FOREST			OUTCROP	Speciosus Assemblage	Kls	M. Dettmann unpub. data, 1964	BF P35 705333
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P40 Upper Mesozoic 690306
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P49 Cretaceous 703264

			OUTCROP	Paradoxa Assemblage	Klp	M. Dettmann unpub. data, 1964	BF P53 Speciosus, Assemblage III	695249
			OUTCROP	Indeterminate	Kl	M. Dettmann unpub. data, 1964	BF P67	793233
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P68 Cretaceous	790237
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P69 Jurassic/Cretaceous	783244
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P70 Mesozoic	782249
			OUTCROP		Kl	M. Dettmann unpub. data, 1964	BF P71 Cretaceous	781254
			OUTCROP	Indeterminate	Kl	M. Dettmann unpub. data, 1964	BF P73	784268
BIRREGURRA	1	231.6 292.6	CORE	Middle N. asperus	Ton	Cookson 1954		
	1	239.6 239.9	OTHER	Middle N. asperus	Ton	V. Archer unpub. data		
	1	306.6 310.9	CORE	Lower L. balmei	Tad	Cookson 1954		
	1	306.6 311.5	CORE	L. balmei	Tad	M. Dettmann, 1969	Palaeocene	
	1	327.1 332.2	CORE		Kl	Cookson 1954	Early Cretaceous	
	1	328.1 328.4	CORE	Indeterminate	Kl	Archer, unpub. data		
	1	331.9 335.9	CORE	C. paradoxa	Klp	M. Dettmann, 1969	upper part of the zone	
BOONAH			OUTCROP	L. balmei	Tae	Archer unpub.data,	Benwerin coal mine above seam	
			OUTCROP	Lower L. balmei	Tae	Archer unpub.data,	Benwerin coal mine coal seam B	
			OUTCROP	Lower L. balmei	Tae	Archer unpub.data,	Benwerin coal mine below seam	
			OUTCROP	L. balmei ?	Tae	Archer unpub.data,	Benwerin coal mine coal seam A	
			OUTCROP	Lower to Upper L. balmei ?	Tae	Archer unpub.data,	Coalmine Crk outcrop	
			OUTCROP	Lower L. balmei	Tae	Archer unpub.data,	Coalmine Crk outcrop	

	12	5.05 5.1	CORE	Upper L. balmei	Tae	Archer 1983	
	13	14.9	CORE	Upper L. balmei	Tae	Archer 1983	
BRUCKNELL	2	491.8 491.8	OTHER	Middle N. asperus	Ton	V. Archer, 1984	
	2	581.8 581.8	CORE	Middle N. asperus	Tem2	V. Archer, 1984	
	2	637.3 637.3	CORE	Lower N. asperus	Ted	W. Harris, 1991	
	2	682.1 682.1	CORE	M. diversus	Tad	W. Harris, 1991	
CALLISTA	1	930.0 940.0	CUTTING	L. balmei	Tap	Morgan, 1988a	nearshore marine
	1	940.0 970.0	CUTTING	T. longus	Kup	Morgan, 1988a	nearshore marine
	1	1665.0	SWC	Lower C. triplex	Kuf	" "	nearshore/offshore marine
	1	1689.0	SWC	" " "	Kuw	" "	nearshore/offshore marine
	1	1715.0	SWC	" " "	Kuw	" "	nearshore/offshore marine
	1	1734.0	SWC	A. distocarinatus	Kuw	" "	nearshore marine
	1	1788.0	SWC	Indeterminate	Kl	" "	non marine
CARPENDEIT	1	328.3 333.8	CORE	Tertiary	Ted	M. Dettmann 1964j and 1969	
	1	355.4 385.0	CORE	C. striatus	Kls	M. Dettmann 1964j and 1969	
	1	383.4 385.0	CORE	? C. striatus	Kls	Dettmann 1964j, 1969	
	1	449.3 450.5	CORE	C. striatus	Kls	Dettmann 1964j, 1969	
	1	493.8 518.8	CORE	C. striatus	Kls	M. Dettmann 1964j and 1969	
	1	514.8 518.8	CORE	C. striatus	Kls	M. Dettmann 1964j and 1969	
COORIEJONG	1	290.2 290.2	CORE	Lower N. asperus	Tem4	W. Harris, 1991	
	1	328.9 328.9	CORE	M. diversus	Tad	W. Harris, 1991	
	1	467.9 473.7	CORE	Nothofagidites or L. balmei	Tam	M. Dettmann, 1969	

	1	505.3 506.9	CORE	Indeterminate	Kl	M. Dettmann, 1969	
	1	570.3 572.1	CORE	Indeterminate	Kl	M. Dettmann, 1969	
	1	616.3 620.5	CORE	Indeterminate	Kl	M. Dettmann, 1969	
			OUTCROP	Upper T. bellus	Tmi	Morgan 1990	Archer, unpub. data Road cutting, Simpson XC690357374
DUNNAWALLA	9	90.5 91.5	CORE	M. diversus	Tae	V. Archer, 1987	
	10	47.0 50.0	CORE	Indeterminate	Tae ?	V. Archer, 1987	
ECKLIN	3	652.9 653.5	CORE		Tem2	M. Dettmann, 1969	Tertiary (Eocene)
	3	652.9 653.5	CORE		Tem2	M. Dettmann, 1969	Tertiary (Eocene)
	3	654.4 654.4	CORE	Lower N. asperus	Ted	W. Harris, 1991	
	3	682.1 682.1	CORE	Lower N. asperus	Ted	W. Harris, 1991	
	3	754.1 761.7	CORE	C. hughesi	Kls	M. Dettmann	
	3	780.6 782.7	CORE	Indeterminate	Kls	M. Dettmann, 1969	
ELLIMINYT	66	27.4 30.5	CORE	Middle N. asperus	Ted	V. Archer unpub. data	
	66	50.3 53.3	CORE	Lower ? N. asperus	Tae	V. Archer unpub. data	
FERGUSONS HILL	1	473.7 479.8	CORE	T. pachyexinus	Kup	M. Dettmann, 1970	
	1	538.6 544.7	CORE	Indeterminate	Kun	M. Dettmann, 1970	
	1	615.7 619.0	CORE	C. triplex	Kub	M. Dettmann, 1964d, 1970	
	1	637.0 643.1	CORE	Indeterminate	Kuw	M. Dettmann, 1964d, 1970	
	1	739.7 742.8	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964d, 1970	
	1	742.8 746.5	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964d, 1969, 1970	

1	835.5 841.2	CORE	Indeterminate	Kl	M. Dettmann, 1964d, 1969, 1970	
1	940.3 946.4	CORE	Indeterminate	Kl	M. Dettmann, 1964d, 1969, 1970	
1	946.4 948.2	CORE	? T. pannosus	Kl	M. Dettmann, 1964d, 1969, 1970	
1	1042.1 1045.5	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, Remanie Fossils: Triassic 1969	
1	1137.5 1143.6	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
1	1247.2 1253.3	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
1	1314.9 1321.0	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
1	1547.5 1553.6	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
1	1692.9 1697.4	CORE	C. paradoxa (? D. filiosus)	Klp	M. Dettmann, 1964d, 1969	Remanie fossils: Triassic
1	1808.7 1813.6	CORE	C. paradoxa (? D. filiosus)	Klp	M. Dettmann, 1964d, 1969	
1	1951.6 1957.7	CORE	C. paradoxa (? D. filiosus)	Klp	M. Dettmann, 1964d, 1969	Remanie fossils: Triassic
1	1998.0 2001.6	CORE	C. paradoxa (? D. filiosus)	Klp	M. Dettmann, 1964d, 1969	Remanie fossils : Permian
1	2144.9 2147.9	CORE	C. striatus	Kls	M. Dettmann, 1964d, 1969	
1	2200.7 2203.7	CORE	C. striatus	Kls	M. Dettmann, 1964d, 1969	
1	2234.2 2238.8	CORE	C. striatus	Kls	M. Dettmann, 1964d, 1969	
1	2382.9 2387.2	CORE	F. asymmetricus	Kls	M. Dettmann, 1964d, 1969	Remanie fossils: Permian
1	2513.7 2517.6	CORE	F. asymmetricus	Kls	M. Dettmann, 1964d, 1969	
1	2669.4 2674.0	CORE	F. asymmetricus	Kls	M. Dettmann, 1964d, 1969	
1	2802.6 2807.5	CORE	F. asymmetricus	Kls	M. Dettmann, 1964d, 1969	
1	2934.0 2935.5	CORE	F. asymmetricus	Kls	M. Dettmann, 1964d, 1969	

	1	3076.0 3077.3	CORE	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3223.0 3227.2	CORE	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3249.2 3251.6	CORE	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3377.2 3381.5	CORE	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3480.5 3484.5	CORE	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3486.3 3486.3	SWC	C. hughesi	Kls	M. Dettmann, 1964d, 1969
	1	3490.0 3503.7	SWC	Indeterminate	Kl	M. Dettmann, 1964d, 1969
FLAXMAN'S	1	1313.3 1315.4	CORE	Nothofagidites	Kup	M. Dettmann, 1964 b
	1	1085.3 1089.0	CORE	L. balmei	Kup	Dettmann, 1970
	1	1257.5 1260.0	CORE	N. senectus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1365.1 1370.3	OTHER	N. senectus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1428.5 1431.0	CORE	N. senectus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1431.0 1436.8	CORE	N. senectus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1516.0 1518.7	CORE	N. senectus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1518.7 1521.8	CORE	Upper T. pachyexinus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1624.5 1626.3	CORE	Upper T. pachyexinus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1633.0 1638.5	CORE	Upper T. pachyexinus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1638.5 1644.6	CORE	Upper T. pachyexinus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1663.6 1665.1	CORE	Upper T. pachyexinus	Kup	M. Dettmann, 1970, Morgan, 1986
	1	1685.8 1688.3	CORE	Upper T. pachyexinus	Kub	M. Dettmann, 1970, Morgan, 1986

1	1689.5 1690.4	CORE	Upper T. pachyexinus	Kub	M. Dettmann, 1970, Morgan, 1986	
1	1813.6 1819.7	CORE	Upper T. pachyexinus	Kub	M. Dettmann, 1970, Morgan, 1986	
1	1946.1 1948.0	CORE	C. triplex	Kub	M. Dettmann, 1970, Morgan, 1986	
1	1944.9 1944.9	CORE	Lower T. pachyexinus	Kub	Morgan 1986	
1	2013.5 2016.6	CORE	C. triplex	Kuf	M. Dettmann, 1970, Morgan, 1986	
1	2019.6 2022.7	CORE	C. triplex	Kuf	M. Dettmann, 1970, Morgan, 1986	
1	2082.4 2096.1	CORE	C. triplex	Kuf	M. Dettmann, 1970, Morgan, 1986	
1	2097.6 2103.7	CORE	Indeterminate	Kuf	M. Dettmann, 1970, Morgan, 1986	
1	2103.7 2107.1	CORE	A. distocarinatus	Kuw	M. Dettmann, 1970, Morgan, 1986	
1	2128.1 2133.6	CORE	A. distocarinatus	Kuw	M. Dettmann, 1970, Morgan, 1986	
1	2198.2 2200.7	CORE	Upper C. paradoxa	Kl	M. Dettmann, 1969, 1970, Morgan, 1986	Remanie fossils: Permian, D. speciosus Zone derivatives Dinoflagellates present
1	2277.8 2283.9	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, 1970, Morgan, 1986	Remanie fossils, Permian, D. speciosus Zone derivatives Dinoflagellates present
1	2331.1 2336.6	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2396.9 2398.8	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2428.0 2431.7	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2480.8 2484.1	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2484.1 2487.5	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	Remanie fossils: Permian, Triassic
1	2581.7 2586.5	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2707.8 2711.5	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986	
1	2780.7	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969,	

		2784.3				Morgan, 1986
	1	2895.3 2901.7	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986
	1	2978.5 2982.5	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986
	1	3085.2 3088.8	CORE	Upper C. paradoxa	Klp	M. Dettmann, 1969, Rumania fossils: Permian, Morgan, 1986 Triassic
	1	3198.0 3201.0	CORE	Lower C. paradoxa	Klp	M. Dettmann, 1969, Morgan, 1986
	1	3292.1 3297.0	CORE	C. striatus	Kls	M. Dettmann, 1969, Morgan, 1986
	1	3379.3 3380.8	CORE	C. striatus	Kls	M. Dettmann, 1969, Morgan, 1986
	1	3421.4 3424.4	CORE	C. striatus	Kls	M. Dettmann, 1969, Morgan, 1986
	1	3510.4 3513.7	CORE	C. striatus	Kls	M. Dettmann, 1969, Morgan, 1986
GARVOC	1	1016.2	SWC	Lower C. paradoxa	Klp	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1081.7	SWC	Upper C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1110.1	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1147.0	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1200.9	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1242.3	SWC	R. reticulatus	Kls	Dettmann, 1968 b,d
	1	1242.4	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1275.3	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1302.1	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1339.2	SWC	R. reticulatus	Kls	Dettmann, 1968 b,d
	1	1339.3	SWC	Lower C. hughesi	Kls	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1368.2	SWC	Lower C. hughesi	Klh	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	? 1486.8	SWC	F. wongthaggiensis	Klh	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1505.7	SWC	F. wongthaggiensis	Klh	Dettmann 1968 b,d, 1969 ; Morgan, 1986
	1	1513.0	SWC	F. wongthaggiensis	Klh	Dettmann 1968 b,d, 1969 ; Morgan, 1986
GEELENGLA	10	71.0 71.5	CORE	P. tuberculatus	Tmi	V. Archer unpub. data, 1987
GERANGAMETE	13	322.5	CORE	N. asperus	Ted	W. Harris, 1991

		325.8					
	13	360.3 362.1	CORE	N. asperus	Ted	"	"
	13	384.0 390.1	CORE	N. asperus	Tae	"	"
	13	451.7 454.2	CORE	N. asperus	Tae	"	"
	13	486.8 488.9	CORE	M. diversus	Tae	"	"
	22	99.0 100.0	CUTTING	Lower L. balmei	Tae	V. Archer unpub. data	
	22	117.0 118.0	CUTTING	Lower L. balmei	Tae	V. Archer unpub. data	
	23	75.0 76.0	CUTTING		K1	V. Archer unpub. data	
IONA	1	331.0	SWC	Upper N. asperus	Tem4	Morgan 1988b	nearshore marine mid and lower N. asperus not seen, hiatus or condensed sect. likely
	1	402.5	SWC	P. asperopolus	Tad	Morgan 1988b	marginal marine
	1	543.0	SWC	Upper M. diversus	Tad1	Morgan 1988b	nearshore marine, mid and lower M. diversus not seen, hiatus or condensed section probable
	1	586.0	SWC	Upper L. balmei	Tad1	Morgan 1988b	marginal marine
	1	602.0	SWC	Lower L. balmei	Tad1	Morgan 1988b	nearshore marine
	1	621.0	SWC	Lower L. balmei	Tap	Morgan 1988b	nearshore marine
	1	652.5	SWC	Upper T. longus (M. duiggii dinoflagellate zone)	Tap	Morgan 1988b	marginal marine
	1	659.5	SWC	Upper T. longus (M. duiggii dinoflagellate zone)	Kup	Morgan 1988b	marginal marine
	1	664.5	SWC	Upper T. longus (M. duiggii dinoflagellate zone)	Kup	Morgan 1988b	marginal marine
	1	704.0	SWC	Lower T. longus	Kup	Morgan 1988b	brackish
	1	772.0	SWC	T. lillei	Kup	Morgan 1988b	brackish
	1	858.0	SWC	N. senectus	Kup	Morgan 1988b	nearshore marine
	1	942.0	SWC	N. senectus	Kup	Morgan 1988b	nearshore marine
	1	1018.0	SWC	N. senectus (N. aceras dinoflagellate zone)	Kup	Morgan 1988b	nearshore marine
	1	1054.0	SWC	N. senectus	Kup	Morgan 1988b	nearshore marine

(N. aceras dinflagellate zone)

	1	1075.5	SWC	T. pachyexinus (N. aceras dinflagellate zone)	Kup	Morgan 1988b	offshore marine
	1	1240.0	SWC	T. pachyexinus (I. cetaceum dinoflagellate zone, O. porifera not seen)	Kub	Morgan 1988b	offshore marine
	1	1254.0	SWC	T. pachyexinus (I. cetaceum dinoflagellate zone, O. porifera not seen)	Kub	Morgan 1988b	offshore marine
	1	1276.5	SWC	Upper C. triplex (C. striatoconous dinoflagellate zone)	Kuw	Morgan 1988b	nearshore marine
	1	1287.0	SWC	Lower C. triplex (P. infusouoides dinflagellate zone)	Kuw	Morgan 1988b	very nearshore to offshore
	1	1297.0	SWC	Lower C. triplex (P. infusouoides dinflagellate zone)	Kuw	Morgan 1988b	very nearshore to offshore
	1	1347.5	SWC	Lower C. triplex (P. infusouoides dinflagellate zone)	Kuw	Morgan 1988b	very nearshore to offshore, reworked Permian Triassic and Jurassic spores
	1	1383.0	SWC	P. pannosus	Kl	Morgan 1988b	non marine to slightly brackish
	1	1407.0	SWC	P. pannosus	Kl	Morgan 1988b	non marine to slightly brackish
	1	1423.0	SWC	P. pannosus	Kl	Morgan 1988b	non marine to slightly brackish
	1	1481.0	SWC	P. pannosus	Kl	Morgan 1988b	
IRREWILLIPE	8003	43.0 43.0	CORE	Middle N. asperus	Ted	V. Archer unpub. data	
	8003	152.4 152.4	CORE	Barren	Kup ?	V. Archer unpub. data	
KRAMBRUCK	13	987.0 987.0	OTHER	D. speciosus,	Kls	M. Dettmann, 1981	C. hughesi subzone, uppermost unit
	13	1093.0 1093.0	OTHER	D. speciosus	Kls	M. Dettmann, 1981	C. hughesi subzone, uppermost unit
	13	1281.0 1281.0	CORE	D. speciosus	Kls	M. Dettmann, 1981	C. hughesi subzone, uppermost unit
	13	1373.0 1373.0	OTHER	D. speciosus	Kls	M. Dettmann, 1981	C. hughesi subzone, uppermost unit
LAANG	1	749.8 749.8	CORE	Lower N. asperus	Tem3	W. Harris, 1991	
	1	802.5 802.5	CORE	M. diversus	Tad	W. Harris, 1991	
	1	850.8 850.8	CORE	M. diversus	Tad	W. Harris, 1991	
	1	1076.6	CORE	Nothofagidites	Kun	M. Dettmann, 1969	

		1080.8					
	1	1179.3 1180.8	CORE	T. pannosus	Kl	M. Dettmann, 1969	
	1	1228.6 1247.9	CORE	C. paradoxa	Klp	M. Dettmann, 1969	Remanie fossils - Permian
LA TROBE			OUTCROP	L.balmei	Tap	Harris, 1965	Locality No. S208 XC 690357099
			OUTCROP	L.balmei	Tap	Harris, 1965	Locality No. S209 XC 690357099
			OUTCROP	L.balmei	Tap	Harris, 1965	Locality No. S210 XC 690057104
			OUTCROP	L.balmei	Tap	Harris, 1965	Locality No. S211 XC 690057104
			OUTCROP	Lower M. diversus	Tad1	Harris, 1965	Locality No. S212, Rivernook Member, XC 688857118
			OUTCROP	Lower M. diversus	Tad	Harris, 1965	Locality No. S213 XC 688657122
			OUTCROP	Upper M. diversus	Tad	Harris, 1965	Locality No. S214 Turritella Bed, XC 688657122
			OUTCROP	Upper M. diversus	Tad	Harris, 1965	Locality No. S215 XC 688457123
			OUTCROP	Upper M. diversus	Tad	Harris, 1965	Locality No. S216 XC 688457123
			OUTCROP	Upper M. diversus	Tad	Harris, 1965	Locality No. S217, S218 XC 688157128
LA TROBE	1	61.0 62.5	CORE	Middle N. asperus	Tem4	A. Partridge unpub. data, 1976	
	1	67.4 67.4	CORE	Lower N. asperus	Tem4	W. Harris unpub. data, 1984	
	1	78.9 78.9	CORE	M. diversus	Tad	W. Harris, 1991	
	1	86.0 98.8	CORE	P. aspropolus	Tad	A. Partridge, 1976	
	1	108.8 108.8	CORE	M. diversus	Tad	W. Harris, 1991	
	1	123.1 225.6	CORE	Upper M. diversus	Tad	A. Partridge, 1976	
	1	242.0 313.3	CORE	Lower M. diversus	Tad, Tad1	A. Partridge, 1976	
	1	324.3	CORE	Upper L. balmei	Tad1,	A. Partridge, 1976	

		358.1	Tap			
	1	380.4 420.6	CORE	Lower L. balmei	Tap	A. Partridge, 1976
	1	420.8 420.8	CORE	L. balmei	Tap	W. Harris, 1991
	1	426.7 434.3	CORE			M. Dettmann, 1970 Lowermost Tertiary to uppermost Cretaceous
	1	459.9 481.6	CORE	T. lillei	Kup	A. Partridge, 1976
	1	495.9 497.1	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	1	496.8 530.1	CORE	N. senectus	Kup	A. Partridge, 1976
	1	528.8 530.0	CORE	T. pachyexinus	Kup	M. Dettmann, 1970
			OUTCROP	Lower M. diversus	Tad	McPhail 1990 Cat Reef Point, lower carbonaceous unit, XC692857074
			OUTCROP	Late Quaternary	?	McPhail 1990 Cat Reef Point, upper carbonaceous unit, XC692857074
MEPUNGA	7	657.0 657.0	CORE	Lower N. asperus	Tem3	W. Harris, 1991
	7	726.6 726.6	CORE	M. diversus	Tad	W. Harris, 1991
	7	790.0 790.0	CORE	T. longus	Tap	W. Harris, 1991
	7	855.3 855.3	CORE	M. diversus	Kup	W. Harris, 1991
	7	919.6 922.0	CORE	Nothofagidites	Kup	M. Dettmann, 1964j, 1970
	7	983.6 987.2	CORE	T. pachyexinus	Kup	M. Dettmann, 1964j, 1970
	7	1040.3 1044.9	CORE	T. pachyexinus	Kun	M. Dettmann, 1964j, Rumania fossils - C. Paradoxa zone, derivatives, dinoflagellates
	7	1104.3 1110.4	CORE	T. pannosus	K1	M. Dettmann, 1964j, 1970
	7	1175.9 1181.1	CORE	C. paradoxa	Klp	M. Dettmann, 1964j, 1970
	9	837.3 837.3	CORE	Lower N. asperus	Tem3	W. Harris, 1991
	9	894.0	CORE	M. diversus	Tad	W. Harris, 1991

		894.0					
	10	1233.1 1233.1	CORE	L. balmei	Kup ?	W. Harris, 1991	
	10	1238.3 1238.3	CORE	T. longus	Kup ?	W. Harris, 1991	
	12	1691.9 1695.3	CORE	C. triplex	Kub	V. Archer unpub. data	P. pannosus present
MOORBANOOL	14	110.0 113.4	CORE	D. speciosus	Kls	V. Archer unpub. data	
	14	143.0 146.0	CORE		Kl	V. Archer unpub. data	Early Cretaceous
	18	116.6	CORE	C. paradoxa	Klp	Archer, unpub. data	
	20	135.0	CORE	C. paradoxa(D. filusus unit)	Archer, unpub. data Klp		
MOOMOWROONG	1	87.0 87.0	CORE	L. balmei	Tam	W. Harris, 1991	
	1	162.0 162.0	CORE	L. balmei	Tam	W. Harris, 1991	
	1	201.0 203.0	CORE	T. longus	Kup	R. Morgan, 1989	upper part of zone
			OUTCROP	Upper L. balmei	Tad1	R. Morgan, 1989	Gellibrand River Road (700957232)
MURROON	29	139.0 140.0	CORE	Middle N. asperus	Tae	V. Archer unpub. data	
	30	88.0 88.0	CORE		Kl	V. Archer unpub. data	Early Cretaceous
	30	130.0 131.0	CORE	Indeterminate	Kl	V. Archer unpub. data	
	31	115.5 117.0	CORE		Kl	V. Archer unpub. data	Early Cretaceous
MUSSEL	1	1265.5 1265.5	SWC	Upper M. diversus	Kup	Evans and Mulholland, 1969; Morgan, 1986	Upper Paleocene equivalent to Princetown Member
	1	1282.6	SWC	Upper M. diversus	Tad1	Evans and Mulholland 1969; Morgan 1986	
	1	1315.2 1315.2	SWC	T. longus	Kup	Evans and Mulholland, 1969 ; unpub. Morgan, 1986	
	1	1360.0 1360.0	SWC	T. longus - T. lillei	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	
	1	1384.7 1384.7	SWC	T. longus - T. lillei	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	

1	1418.5 1418.5	SWC	T. longus - T. lillei	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1443.2 1443.2	SWC	T. longus - T. lillei	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1464.6 1464.6	CORE	Indeterminate	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1479.5 1479.5	SWC	T. lillei	Kup	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1549.6 1549.6	SWC	N. senectus	Kun	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1706.9 1706.9	SWC	N. senectus	Kub	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1756.9 1756.9	SWC	N. senectus	Kub	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1801.1 1801.1	SWC	N. senectus	Kub	Evans and Mulholland, 1969 ; Morgan, 1986	
1	1847.4 1847.4	SWC	N. senectus	Kub	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2030.0 2030.0	SWC	Upper T. pachyexinus ?	Kuf	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2100.4 2100.4	CORE	C. triplex	Kuw	Evans and Mulholland, 1969 ; Morgan, 1986	A. distocartinatus ?
1	2236.3 2237.8	CORE	A. distocarinatus	Kuw	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2239.7 2239.7	SWC	A. distocarinatus	Kuw	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2243.3 2243.3	SWC	A. distocarinatus	Kuw	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2254.3 2254.3	SWC	A. distocarinatus	Kuw	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2286.0 2286.0	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan, 1986	Cretaceous
1	2316.5 2316.5	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan, 1986	Cretaceous
1	2347.0 2347.0	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2380.5 2380.5	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan, 1986	
1	2407.9 2407.9	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan, 1986	

	1	2441.4 2441.4	CUTTING	Indeterminate	Kl ?	Evans and Mulholland, 1969 ; Morgan , 1986
NARRAWATURK	1	771.0 779.0	CORE	L. balmei	?	Source not referred to
	1	855.0 1304.0	CORE	T. lillei	?	Source not referred to
	2	705.9 705.9	CORE	Lower N. asperus	Tem3	W. Harris, 1991
	2	744.3 744.3	CORE	M. diversus	Tad	W. Harris, 1991
	2	783.0 783.0	CORE	M. diversus	Tad	W. Harris, 1991
	2	864.7 864.7	CORE	M. diversus	Tad	W. Harris, 1991
	2	921.7 921.7	CORE	M. diversus	Tad	W. Harris, 1991
	2	1041.8 1041.8	CORE	L. balmei	Tap	W. Harris, 1991
	2	1152.8 1152.8	CORE	T. longus	Kup	W. Harris, 1991
	2	1368.2 1371.6	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	2	1437.1 1441.7	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	2	1515.8 1517.9	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	2	1568.8 1569.7	CORE	Nothofagidites	Kun	M. Dettmann, 1970
	2	1623.7 1626.4	CORE	Nothofagidites	Kun	M. Dettmann, 1970
	4	2404.6 2411.0	CORE	D. speciosus	Kls	M. Dettmann unpub. data, 1964
	4	2523.4 2529.5	CORE	D. speciosus	Kls	M. Dettmann unpub. data, 1964
	4	2590.8 2596.9	CORE	D. speciosus	Kls	M. Dettmann unpub. data, 1964
NERITA	1	1129.0 1129.0	SWC	L. balmei	Tae	Dettmann, 1967b, 1970
	1	1178.7 1178.7	SWC	L. balmei	Tad	M. Dettmann 1967b, 1970

	1	1239.0 1239.0	SWC	L. balmei	Tae	M. Dettmann, 1967b, 1970
	1	1293.9 1293.9	SWC	Nothofagidites	Tae	M. Dettmann, 1967b, 1970
	1	1332.6 1332.6	SWC	Nothofagidites	Tae	M. Dettmann, 1967b, 1970
	1	1382.0 1382.0	SWC	Nothofagidites	Tae	M. Dettmann, 1967b, 1970
	1	1420.4 1420.4	SWC	Nothofagidites	Tae	M. Dettmann, 1967b, 1970
	1	1457.6 1457.6	SWC	Nothofagidites or T. pachyexinus	Tae	M. Dettmann, 1967b, 1969
	1	1464.3 1464.3	SWC	? C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1506.9 1506.9	SWC	C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1605.4 1605.4	SWC	C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1695.0 1695.0	SWC	C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1798.3 1798.3	SWC	C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1849.5 1849.5	CORE	C. striatus	Kls	M. Dettmann, 1967b, 1969
	1	1967.8 1967.8	CORE	Indeterminate	Kl	M. Dettmann, 1967b, 1969
NEWLINGROOK			ROAD CUTTING	Barren	Tae	W. Harris, 1991
(Carlisle River Road)						YC 710957309 adjacent to Newlingrook 7
			ROAD CUTTING	L. balmei	Tad1	W. Harris, 1991
(Gellibrand River Road)						YC 712957310
			ROAD CUTTING	Barren	Tad	W. Harris, 1991
(Kennedys Creek Road)						XC 696957219 upper cutting
			ROAD CUTTING	Barren	Tad	W. Harris, 1991
(Kennedys Creek Road)						XC 697257221 lower cutting
NIRRANDA	3	793.2 793.2	CORE	Lower N. asperus	Tem3	W. Harris, 1991
	3	848.8 848.8	CORE	M. diversus	Tad	W. Harris, 1991
	3	1024.4 1024.4	CORE	M. diversus	Tad1	W. Harris, 1991

	3	1076.9 1076.9	CORE	M. Diversus	Kup	W. Harris, 1991	
NIRRANDA	6	434.3	CORE	Indeterminate	Ton	V. Archer, 1984	
	6	435.9 435.9	CORE	Indeterminate	Ton	V. Archer, 1984	
	6	562.7 562.7	OTHER	Lower - Upper N. asperus	Tem2	V. Archer, 1984	
	6	611.4 611.4	OTHER	Lower N. asperus	Tem3	M. Dettmann unpub. data, 1984	
	6	663.9 663.9	CORE	M. diversus	Tad	W. Harris, 1991	
	6	937.7 937.7	CORE	T. longus	Tap	W. Harris, 1991	
	6	942.0 942.0	CORE	T. longus	Kup	W. Harris, 1991	
NIRRANDA	8	717.0 719.7	CORE	Barren	Tem2	V. Archer unpub. data	
	8	822.1 826.9	CORE		Tad	V. Archer unpub. data	Tertiary, reworked Cretaceous
NULLAWARRE	3	738.5 738.5	CORE	M. diversus	Tem4	W. Harris, 1991	
	3	798.6 798.6	CORE	M. diversus	Tad	W. Harris, 1991	
OLANGOLAH	1	83.5 290.0	SWC	D. speciosus *	Kl	Dettmann, 1982	* no older than D. speciosus
	1	467.0 658.6	SWC		Kl	Dettmann, 1982	Mesozoic
	1	924.6 1959.0	SWC	Indeterminate		Dettmann, 1982	
OTWAY			OUTCROP		Tpb	R. Morgan, 1990	Plio - Pleistocene Sentinel Rock clay
			OUTCROP	T. bellus	Tpb	Archer 1978	Sentinel Rock, coastal outcrop
PAARATTE	1	454.9 454.9	CORE	Lower N. asperus	Tem3	W. Harris, 1991	
	1	486.5 486.5	CORE	M. diversus	Tad	W. Harris, 1991	
	2	467.0	CORE	Lower N. asperus	Tem3	Archer 1984	
PANMURE	2	717.2 717.2	CORE	M. diversus ?	Tem3	W. Harris, 1991	

	2	753.8 753.8	CORE	T. longus ?	Tad	W. Harris, 1991
	2	790.3 792.8	CORE	T. pachyexinus	Tad	M. Dettmann, 1970
	2	827.5 831.4	CORE	Indeterminate	Kl	M. Dettmann, 1964j
	2	873.2 877.8	CORE	Indeterminate	Kl	Dettmann 1964j
PECTEN	1/1A	576.7	SWC	Lower N. asperus	Ton	Dettmann 1967a, Morgan 1986
	1/1A	802.2	SWC	Upper M. diversus	Tad	Dettmann 1967a, Morgan 1986
	1/1A	999.7	SWC	Upper M. diversus	Tad1	Dettmann 1967a, Morgan 1986
	1/1A	1017.4	SWC	Lower M. diversus	Tad1	Dettmann 1967a, Morgan 1986
	1/1A	1102.8	SWC	Upper L. balmei	Tap	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1126.2	SWC	Lower L. balmei	Tap	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1138.4	SWC	T. longus	Tap	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1369.5	SWC	T. lillei	Kup	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1428.0	SWC	N. senectus	Kup	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1458.5	SWC	N. senectus	Kup	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1533.1	SWC	N. senectus	Kun	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1547.8	SWC	N. senectus	Kun	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1579.5	SWC	Upper T. pachyexinus	Kun	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1615.4	SWC	T. pachyexinus	Kun	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1645.3	SWC	T. pachyexinus	Kub	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1722.1	SWC	Lower T. pachyexinus	Kuf	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1748.0	SWC	C. triplex	Kuf	Dettmann 1967a, 1970, Morgan 1986
	1/1A	1776.1	SWC	A. distocartinatus	Kuw	Dettmann 1967a, 1969, Morgan 1986
	1/1A	1804.4	SWC	P. pannosus	Kl	Dettmann 1967a, 1969, Morgan 1986
	1/1A	1821.8	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986
	1/1A	1832.8	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986
	1/1A	1876.0	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986
	1/1A	2195.8	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986
	1/1A	2217.7	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986

	1/1A	2255.2	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2283.0	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2301.9	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2351.5	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2414.0	SWC	Upper C. paradoxa	Klp	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2475.0	SWC	C. paradoxa or C. striatus	Kl	Dettmann 1967a, 1969	
	1/1A	2501.2	SWC	C. paradoxa or C. striatus	Kl	Dettmann 1967a, 1969	
	1/1A	2539.9	SWC	C. paradoxa or C. striatus	Kl	Dettmann 1967a, 1969	
	1/1A	2604.8	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2630.4	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2642.6	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2664.9	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2704.5	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2731.6	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2783.4	SWC	C. striatus	Kls	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2807.2	SWC	Undifferentiated Cretaceous	Kl	Dettmann 1967a, 1969, Morgan 1986	
	1/1A	2836.2	SWC	Undifferentiated Cretaceous	Kl	Dettmann 1967a, 1969, Morgan 1986	
PORT CAMPBELL	1	774.2 782.1	CORE	L. balmei	Tad1	M. Dettmann, 1970	M. diversus ?
	1	888.8 888.8	CORE	T. longus	Kup	W. Harris, 1991	
	1	888.5 900.1	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	1	1015.9 1018.0	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	1	1097.3 1102.8	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	1	1218.3 1221.9	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	1	1304.5 1305.5	CORE	Nothofagidites	Kup	M. Dettmann, 1970	

	1	1305.8 1308.5	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	1	1377.1 1382.6	CORE	T. pachyexinus	Kun	M. Dettmann, 1970
	1	1449.0 1452.1	CORE	T. pachyexinus	Kun	M. Dettmann, 1970
	1	1481.9 1484.1	CORE	T. pachyexinus	Kun	M. Dettmann, 1970
	1	1529.5 1531.9	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
	1	1531.9 1533.4	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
	1	1592.0 1595.0	CORE	T. pachyexinus	Kuf	M. Dettmann, 1970
	1	1725.2 1728.2	CORE	Indeterminate	Kuw	M. Dettmann, 1970
	1	1737.4 1742.8	CORE	A. distocarinatus	Kuw	M. Dettmann, 1970
	1	1808.1 1808.7	CORE	A. distocarinatus	Kuw	M. Dettmann, 1970
PORT CAMPBELL	2	1627.6 1628.5	CORE	T. pachyexinus	Kup ?	M. Dettmann, 1970
	2	1632.2 1634.0	CORE	T. pachyexinus	Kup ?	M. Dettmann, 1970
	2	1801.4 1804.1	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
	2	2161.9 2165.0	CORE	C. triplex	Kub	M. Dettmann, 1970
	2	2256.4 2258.3	CORE	C. triplex	Kub	M. Dettmann, 1964a, 1970
	2	2340.9 2345.1	CORE	C. triplex	Kuf	M. Dettmann, 1964a, 1970
	2	2403.3 2407.0	CORE	C. triplex	Kuf	M. Dettmann, 1964a, 1970
	2	2409.1 2411.9	CORE	C. triplex	Kuf	M. Dettmann, 1964a, 1970
	2	2411.9 2417.1	CORE	C. triplex	Kuf	M. Dettmann, 1964a, 1970
	2	2467.7 2471.9	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970

	2	2491.4 2495.7	CORE	A. distocarinatus	Kuf	M. Dettmann, 1964a, 1970
	2	2531.7 2533.2	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	2	2533.8 2535.6	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	2	2541.7 2543.9	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	2	2563.1 2565.8	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	2	2607.9 2612.1	CORE	T. pannosus	Kl	M. Dettmann, 1964a, 1970
	2	2622.8 2628.6	CORE	T. pannosus	Kl	M. Dettmann, 1964a, 1970
	2	2690.2 2696.3	CORE	Indeterminate	Kl	M. Dettmann, 1970
PORT CAMPBELL	3	1341.1 1344.2	CORE	T. pachyexinus	Kun	M. Dettmann, 1964a, 1970
	3	1425.2 1431.0	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	3	1457.2 1463.3	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964a, 1970
	3	1571.2 1574.3	CORE	Indeterminate	Kl	M. Dettmann, 1964a, 1970
	3	1684.3 1685.5	CORE	C. paradoxa	Klp	M. Dettmann, 1964a, 1970
PORT CAMPBELL	4	881.5 888.0	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	977.1 983.2	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	983.2 989.0	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	1072.2 1072.5	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	1072.5 1077.7	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	1164.6 1169.8	CORE	Nothofagidites	Kup	M. Dettmann, 1970
	4	1253.3 1259.4	CORE	T. pachyexinus	Kun	M. Dettmann, 1964h, 1970 ; Morgan, 1986

	4	1301.1 1307.2	CORE	T. pachyexinus	Kun	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1399.0 1402.0	CORE	Upper T. pachyexinus	Kub	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1402.0 1404.4	CORE	Lower T. pachyexinus	Kub	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1491.6 1497.7	CORE	C. triplex	Kuf	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1516.9 1519.3	CORE	C. triplex	Kuw	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1519.3 1525.4	CORE	C. triplex	Kuw	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1570.2 1574.8	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964h, 1970 ; Morgan, 1986	
	4	1663.0 1669.1	CORE	Indeterminate	Kl	Morgan, 1986 ; Dettmann, 1964h, 1969, 1970	
	4	1755.3 1755.3	CORE	P. pannosus	Kl	Morgan, 1986 ; Dettmann, 1964h, 1969, 1970	
	4	1850.1 1854.4	CORE	Lower C. paradoxa	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	1937.0 1940.7	CORE	Lower C. paradoxa	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2030.0 2037.0	CORE	Lower C. paradoxa	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2189.4 2191.8	CORE	Lower C. paradoxa	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2343.9 2350.0	CORE	Lower C. paradoxa	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2404.6 2410.1	CORE	Lower C. paradoxa (D. filiosus)	Klp	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2410.1 2411.0	CORE	Lower C. paradoxa (D. filiosus)	Klp	Morgan 1986 ; Dettmann 1964h, 1969	
	4	2523.4 2529.5	CORE	C. striatus	Kls	Morgan, 1986 ; Dettmann, 1964h, 1969	
	4	2590.8 2596.9	CORE	C. striatus	Kls	Morgan, 1986 ; Dettmann, 1964h, 1969	
PRINCES	1	603.0	SWC	L. balmei	Tap	Dettmann 1986a	parallic
	1	643.0	SWC	T. longus	Tap	Dettmann 1986a	marginal marine
	1	1002.0	SWC	C. triplex	Kub	Dettmann 1986a	marginal marine

	1	1023.0	SWC	<i>C. triplex</i>	Kuf/Kuw	Dettmann 1986a	marginal marine
	1	1046.0	SWC	<i>A. distocartinatus</i>	Kuf/Kuw	Dettmann 1986a	marginal marine
PURRUMBETE	1	488.3 488.3	SWC	<i>D. filiosus</i>	Klp	M. Dettmann, 1968 c,d; 1969	
	1	640.0 640.0	SWC	? <i>C. striatus</i>	Kls ?	M. Dettmann, 1968 c,d; 1969	
	1	701.0 701.0	SWC	? <i>C. striatus</i>	Kls ?	M. Dettmann, 1968 c,d; 1969	
	1	792.4 792.4	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	853.4 853.4	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	886.3 886.3	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	912.8 912.8	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1005.8 1005.8	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1069.8 1069.8	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1130.7 1130.7	SWC	<i>C. striatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1167.3 1167.3	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1221.6 1221.6	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1286.2 1286.2	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1368.5 1368.5	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1439.2 1439.2	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1545.3 1545.3	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1615.4 1615.4	SWC	<i>R. reticulatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1735.8 1735.8	SWC	<i>R. reticulatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	
	1	1805.9	SWC	? <i>R. reticulatus</i>	Kls	M. Dettmann, 1968 c,d; 1969	

1805.9

PURRUMBETE NTH	11	491.3 493.1	CORE	C. paradoxa ?	Klh	W. Harris, 1991	low yield
SHERBROOK	1	1025.7 1029.6	CORE	T. pachyexinus	Kun	M. Dettmann, 1964d, 1970	
	1	1096.1 1097.6	CORE	T. pachyexinus	Kun	M. Dettmann, 1964d, 1970	
	1	1165.9 1166.2	CORE	A. distocarinatus	Kuw	M. Dettmann, 1964d, 1969, 1970	
	1	1234.1 1234.7	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969, 1970	
	1	1238.7 1240.2	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
	1	1315.5 1316.1	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969 unpub. data,	
	1	1317.0 1318.9	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
	1	1401.5 1402.4	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
	1	1482.9 1486.5	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
	1	1492.3 1494.7	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	
	1	1497.5 1502.4	OTHER	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	Remanie Fossils : Triassic
	1	1589.8 1595.9	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	Remanie Fossils : Permian
	1	1650.2 1653.2	CORE	C. paradoxa	Klp	M. Dettmann, 1964d, 1969	Remanie fossils: Triassic
STONYFORD	1	450.0	CUTTING	D. speciosus	Kl	M. Dettmann 1984	
	1	600.0	CUTTING	D. speciosus	Kl	M. Dettmann 1984	
	1	700.0	CUTTING	C. hughesii	Kl	M. Dettmann 1984	
	1	900.0	CUTTING	C. hughesii	Kl	M. Dettmann 1984	
	1	950.0	CUTTING	C. hughesii	Kl	M. Dettmann 1984	
	1	1009.0	CUTTING	C. hughesii	Kl	M. Dettmann 1984	
	1	1050.0	CUTTING	C. hughesii	Kl	M. Dettmann 1984	
	1	1100.0	CUTTING	C. hughesii	Klh	M. Dettmann 1984	

	1	1155.5	SWC	C. hughesii(middle part)Klh		M. Dettmann 1984	
	1	1180.0	CUTTING	no older than C. hughesii		M. Dettmann 1984	
TANDAROOK	1	586.1 587.9	CORE	Indeterminate	Kl	M. Dettmann, 1964j, 1969	
	1	614.2 618.1	CORE	C. striatus	Kls	M. Dettmann, 1964j, 1969	
TERANG	1	492.8 498.9	CORE	Tertiary	Tem3	M. Dettmann, 1964j, 1969	
	1	530.6 532.5	CORE	D. speciosus	Kls	M. Dettmann, 1964j, 1969	
	1	560.8 563.8	CORE	R. reticulatus	Kls	M. Dettmann, 1964j, 1969	
	1	589.5 591.9	CORE	R. reticulatus	Kls	M. Dettmann, 1964j, 1969	
	1	648.3 650.7	CORE	R. reticulatus	Kls	M. Dettmann, 1964j, 1969	
TIMBOON	5	286.5	CORE	Middle N. asperus	Ton	Archer 1984	
	5	352.4 355.4	CORE	Middle N. asperus	Tem2	Archer 1984	
	5	419.9 419.9	CORE	Lower N. asperus	Tem4	W. Harris, 1991	
	5	423.2 423.2	CORE	Lower N. asperus	Tem4	W. Harris, 1991	
	5	449.0 449.0	CORE	M. diversus	Tad	W. Harris, 1991	
	5	665.1 668.7	CORE	L. balmei	Tap	M. Dettmann, 1970	
	5	695.9 702.0	CORE	L. balmei	Tap	M. Dettmann, 1970	lowermost Tertiary to uppermost Cretaceous
	5	697.1 697.1	CORE	T. longus	Tap	W. Harris, 1991	
	5	723.6 729.7	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	5	760.8 766.9	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	5	788.8 794.9	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	5	826.0 832.1	CORE	Indeterminate	Kup	M. Dettmann, 1970	

	5	863.2 869.3	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	5	898.9 903.1	CORE	Nothofagidites	Kup	M. Dettmann, 1970	
	5	936.3 937.9	CORE	T. pachyexinus	Kup	M. Dettmann, 1970	
	5	964.1 967.1	CORE	T. pachyexinus	Kup	M. Dettmann, 1970	
	5	1001.6 1004.9	CORE	T. pachyexinus	Kup	M. Dettmann, 1970	
	5	1038.5 1039.4	CORE	A. distocarinatus	Kup	M. Dettmann, 1964c, 1969	
	5	1066.8 1068.0	CORE	T. pannosus	Kl	M. Dettmann, 1964c, 1969, 1970	
	5	1085.7 1087.8	CORE	C. paradoxa	Klp	M. Dettmann, 1964c, 1969	
	5	1121.7 1125.0	CORE	C. paradoxa	Klp	M. Dettmann, 1964c, 1969	
TIRRENGOWA	1	337.1	SWC	Middle N. asperus	Tem3	Morgan 1987	slightly brackish (L. N. asperus - C. striatus not seen)
	1	598.9	SWC	Upper C. hughesii	Kl	Morgan 1987	non marine
	1	716.3	SWC	Upper C. hughesii	Kl	Morgan 1987	non marine
	1	896.1	SWC	Upper C. hughesii	Kl	Morgan 1987	non marine
	1	1097.3	SWC	Upper C. hughesii	Kl	Morgan 1987	non marine
	1	1184.2	SWC	Lower C. hughesii	Klh	Morgan 1987	non marine
	1	1223.5	SWC	F. wongthaggiensis	Klh	Morgan 1987	non marine
WANGERIP			OUTCROP	L. balmei	Tap	W. Harris, 1991	XC 690357096
	(Bell Point)						
			OUTCROP	Barren	Tad	W. Harris, 1991	XC 692857074
	(Cat Reef Point)						
WANGOOM	2	605.0 605.0	CORE	Lower N. asperus	Tem4	W. Harris, 1991	
	2	688.5 688.5	CORE	Indeterminate	Tad	W. Harris, 1991	
	2	808.3 808.3	CORE	T. longus	Kup	W. Harris, 1991	
	2	863.8 865.3	CORE	Nothofagidites (upper)	Kup	M. Dettmann, 1970	

2	919.3 925.1	CORE	T. pachyexinus (upper)	Kun	M. Dettmann, 1970
2	955.9 961.0	CORE	? A. distocarinatus	Kl	M. Dettmann, 1970
2	983.0 989.1	CORE	? T. pannosus	Kl	M. Dettmann, 1970
2	1020.2 1020.8	CORE	T. pannosus	Kl	M. Dettmann, 1970
2	1047.6 1049.4	CORE	T. pannosus	Kl	M. Dettmann, 1969
2	1118.6 1119.2	CORE	Indeterminate	Kl	M. Dettmann, 1969
2	1209.4 1210.7	CORE	C. paradoxa	Klp	M. Dettmann, 1969
2	1287.5 1294.2	CORE	? C. paradoxa	Klp	M. Dettmann, 1969
6	559.6 559.6	CORE	Lower N. asperus	Tem3	W. Harris, 1991
6	598.0 598.0	CORE	M. diversus	Tad	W. Harris, 1991
6	832.9 832.9	CORE	L. balmei	Tap	W. Harris, 1991
6	906.5 912.6	CORE	Nothofagidites	Kup	M. Dettmann, 1970
6	934.2 936.3	CORE	T. pachyexinus	Kup	M. Dettmann, 1970
6	951.3 952.8	CORE	T. pachyexinus	Kup	M. Dettmann, 1970
6	952.8 954.3	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
6	972.6 973.5	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
6	991.2 992.4	CORE	T. pachyexinus	Kub	M. Dettmann, 1970
6	1010.1 1012.2	CORE	? C. paradoxa	Klp	M. Dettmann, 1970
6	1039.7 1040.9	CORE	? C. paradoxa	Klp	M. Dettmann, 1969
6	1132.3 1132.9	CORE	Indeterminate	Kl	M. Dettmann, 1969

	6	1132.9 1133.6	CORE	Indeterminate	Kl	M. Dettmann, 1969	
WAARRE	1	468.8 468.8	CORE	L. balmei	Tap	W. Harris, 1991	
	1	550.8 550.8	CORE	T. longus	Tap	W. Harris, 1991	
	1	593.4 593.4	CORE	T. longus	Kup	W. Harris, 1991	
	1	680.9 680.9	CORE	T. longus	Kup	W. Harris, 1991	
	1	801.0 801.0	CORE	? N. senectus / T. pachyexinus	Kup	W. Harris, 1991	
	1	884.2 884.2	CORE	Indeterminate	Kun	W. Harris, 1991	
	1	976.3 976.3	CORE	N. senectus	Kub	W. Harris, 1991	X. asperatus
WARRACBARUNAH	2	739.0 743.0	CORE	C. hughesi	Kls	Morgan, 1991	
	2	438.0	CUTTING	lower P. tuberculatus	Ted	Morgan, 1991	nearshore marine
	2	489.4	CORE	middle N. asperus	Ted	Morgan, 1991	marginally marine
	2	552.0	CUTTING	upper L. balmei	Tae	Morgan, 1991	apparently non - marine
	2	583.6	CORE	Indeterminate		Morgan, 1991	
	2	743.4 864.0	CORE and CUTTING	C. hughesi	Kl	Morgan, 1991	non -marine
	2	903.0 960.9	CUTTING and CORE	upper F. wonthaggiensis	Klh	Morgan, 1991	non -marine
	2	999.0 1389.8	CUTTING and CORE	lower F. wonthaggiensis	Klh	Morgan, 1991	non -marine; M. evansii algal bloom at 999m suggesting lacustrine maximum
	2	1445.7	CORE	lower F. wonthaggiensis	Klh	Morgan, 1991	
WARRION	5	417.0 422.5	CORE	Middle - Upper N. asperus	Ted	V. Archer unpub. data	
	5	454.7 458.5	CORE	Middle N. asperus	Ted	V. Archer unpub. data	
WENSLEYDALE	1		OUTCROP	Barren	Tae	V. Archer unpub. data	coal

WESTGATE	1A	1754.0	SWC	<i>C. triplex</i>	Kuf	Dettmann 1986b	
		1832.5	SWC	<i>C. triplex</i>	Kuw	Dettmann 1986b	marginal marine
		1848.5	SWC	<i>A. distocartinatus</i>	Kuw	Dettmann 1986b	marginal marine
		1867.0	SWC	<i>P. pannosus</i>	Kl	Dettmann 1986b	terrestrial
		1909.0	SWC	<i>P. pannosus</i>	Kl	Dettmann 1986b	terrestrial
WHOOREL	4	346.9 347.5	CORE	<i>L. balmei</i>	Tae	W. Harris, 1991	
	8	231.8 232.0	CORE	Indeterminate	Tae	V. Archer unpub. data	
WOOLSTHORPE	1	1310.6 1310.6	SWC	<i>F. asymmetricus</i>	Kls	M. Dettmann, 1968 a,d	
	1	1376.1 1376.1	SWC	<i>R. reticulatus</i>	Kls	M. Dettmann, 1968 a,d	
	1	1447.7 1447.7	SWC	Indeterminate	Kl	M. Dettmann, 1968 a,d	
	1	1475.5 1475.5	SWC	Indeterminate	Klh	M. Dettmann, 1968 a,d	
	1	1525.4 1525.4	SWC	<i>M. florida</i>	Klh	M. Dettmann, 1968 a,d	
	1	1578.2 1578.2	SWC	<i>M. florida</i>	Klh	M. Dettmann, 1968 a,d	
	1	1607.7 1607.7	SWC	<i>M. florida</i>	Klh	M. Dettmann, 1968 a,d	
	1	1674.8 1674.8	SWC	<i>M. florida</i>	Klh	M. Dettmann, 1968 a,d	
	1	1798.2 1798.2	SWC	<i>M. florida</i>	Klh	M. Dettmann, 1968 a,d	
	1	1856.1 1856.1	SWC R	<i>M. florida</i>	Juc	M. Dettmann, 1968 a,d	
	1	1898.8 1898.8	SWC	<i>M. florida</i>	Juc	M. Dettmann, 1968 a,d	
	1	1944.5 1944.5	SWC	<i>C. stylosus</i> ?	Juc	M. Dettmann, 1968 a,d	
	1	335.0	CUTTING	<i>C. striatus</i>	Kls	R. Morgan, 1988 c	
	1	610.0	CUTTING	upper <i>C. hughesi</i>	Kls	R. Morgan, 1988 c	
	1	762.0 1189.0	CUTTING	lower <i>C. hughesi</i>	Kls	R. Morgan, 1988 c	
	1	1311.0	CUTTING	? lower <i>C. hughesi</i>	Kls,Klh,Klc		

		1929.0	to C. australiensis		R. Morgan, 1988 c		
YAN YAN GURT		OUTCROP	middle N. asperus	Ted	Morgan, 1991	Co ordinates: YC 532505, nearshore marine	
YAUGHER	20	29.0 30.0	CORE	P. pannosus - C. triplex	Kl	V. Archer unpub. data	
	21	165.0 165.7	CORE	Indeterminate	Kl	V. Archer unpub. data	
	21	300 300	CORE		Kl	V. Archer unpub. data	Cretaceous
	21	344 345	CORE	P. pannosus - base C. triplex	Kl	V. Archer unpub. data	
	23	120 120	CORE	C. paradoxa	Klp	V. Archer unpub. data	
	23	121 122	CORE	C. paradoxa	Klp	V. Archer unpub. data	
	23	166 167	CORE	D. speciosus	Kls	V. Archer unpub. data	
	23	205 205.5	CORE	D. speciosus (C. striatus subzone)	Kls	V. Archer unpub. data	
	27	118 123	CORE	T. longus	Tae	V. Archer unpub. data	
	27	193.6 196.5	CORE	T. longus	Kup	V. Archer unpub. data	
	27	225.5 227.0	CORE	Indeterminate	Kl	V. Archer unpub. data	
	27	263.0 265.0	CORE	Indeterminate	Kl	V. Archer unpub. data	
	27	265.0 265.0	CORE	Indeterminate	Kl	V. Archer unpub. data	
	29	137.0 139.5	OTHER	Barren	Kl	V. Archer unpub. data	
	31	149.0 151.6	OTHER	P. pannosus	Kl	V. Archer unpub. data	
	39	237.5 237.5	CORE	Indeterminate	Kl	V. Archer unpub. data	Early Cretaceous
	39	237.9 237.9	CORE	Barren	Kl	V. Archer unpub. data	
YEO	35	13.0 13.5	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	
	36	9.5	CUTTING	Upper L. balmei -	Tae	V. Archer	

	10.0		Upper M. diversus		unpub. data	
36	23.0 23.5	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	
37	14.0 14.5	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	
37	28.0 28.5	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	
38	22.0 22.5	CUTTING		Tae	V. Archer unpub. data	Tertiary
39	2.0 2.5	CUTTING			V. Archer unpub. data	Recent
39	12.0 12.5	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	
39	20.5 21.0	CUTTING	Upper L. balmei - Upper M. diversus	Tae	V. Archer unpub. data	