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OTWAY BASIN LATE JURASSIC - LATE CRETACEOUS PALYNOLOGICAL ZONAL NOMENCLATURE*

*Compilation from different authors and correlation by N.F. Alley

AGE IN Ma	PERIOD	EPOCH	AGE (After Harland *et al.* 1982)	SUPERZONE	Helby *et al.* 1987 DINOFLAGELLATE ZONES	Helby *et al.* 1987 SPORE-POLLEN ZONES	Dettmann and Playford 1969	Dettmann 1986	Morgan 1980	Morgan 1985-Otway Basin Review	Morgan 1989 (Katnook 1 & 2)	Morgan 1993	Burger 1980	Evans 1966, 1971	CSR/APG Consultants pre 1985 terminology	APG Consultants Eromanga/Surat terminology	Key spore/pollen events** First appearance / Last appearance
60	Pg		60.2 DANIAN		T. EVITTI	LYGISTEPOLLENITES BALMEI											*Quadraplanus brossus* / *Grapnelispora evansii*
70		LATE	65 MAASTRICHTIAN	ISABELIDINIUM	M. DRUGII	FORCIPITES (at. TRICOLPORITES) LONGUS											*Forcipites* (at. *Tricolpites*) *longus*, *Grapnelispora evansii*
			73 CAMPANIAN		I. KOROJONENSE	TUBULIFLORIDITES (at. TRICOLPORITES) LILLIEI											*Tubulifloridites* (at. *Tricolpontes*) *lillei*
80			SENONIAN		X. AUSTRALIS	NOTHOFAGIDITES SENECTUS											*Nothofagidites senectus*
			83 SANTONIAN		N. ACERAS	TRICOLPORITES APOXYEXINUS											*Tricolpontes apoxyexinus*, *Ornamentifera serrosa*
			87.5 CONIACIAN		I. CRETACEUM	PHYLLOCLADIDITES MAWSONII											*Phyllocladidites mawsonii*, *Prasacidites spp.*
			88.5 TURONIAN		O. PORIFERA												
90			91 CENOMANIAN	HETEROSPHAERIDIUM	C. STRIATOCONUS												
					P. INFUSORIOIDES												
					D. MULTISPINUM	APPENDICISPORITES DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS	A. DISTOCARINATUS		A. DISTOCARINATUS	APK7	*Coptospora paradoxa* / *Cryoelosporites* cf. *C. brenneri*
100	CRETACEOUS	EARLY	97.5 VRACONIAN		X. ASPERATUS											APK6	*Primopollenites pannosus*
					P. LUDBROOKIAE	PHIMOPOLLENITES PANNOSUS	P. PANNOSUS	P. PANNOSUS	P. PANNOSUS	P. PANNOSUS	P. PANNOSUS	P. PANNOSUS	P. PANNOSUS		P. PANNOSUS		
			ALBIAN		C. DENTICULATA	COPTOSPORA PARADOXA	C. PARADOXA	C. PARADOXA	C. PARADOXA UPPER / LOWER	C. PARADOXA	C. PARADOXA UPPER / LOWER	C. PARADOXA UPPER / LOWER	UPPER C. PARADOXA / LOWER C. PARADOXA	C. PARADOXA	C. PARADOXA	APK5	APK5.2 *Pilossporites grandis* / APK5.1 *Coptospora paradoxa*
110					M. TETRACANTHA	CRYBELOSPORITES STRIATUS	C. STRIATUS	C.STRIATUS	C.STRIATUS	C.STRIATUS	C.STRIATUS	C.STRIATUS	C.STRIATUS	K2b / K2a	C.STRIATUS	APK4	*Cryoelosporites striatus*
			113 APTIAN		D. DAVIDII	CYCLOSPORITES HUGHESII	D. SPECIOSUS / DICTYOTOSPORITES SPECIOSUS	C. STRIATUS / CYCLOSPORITES HUGHESII	DICTYOTOSPORITES SPECIOSUS / C. HUGHESII UPPER / MIDDLE	C. HUGHESII UPPER	C. HUGHESII UPPER	UPPER C. HUGHESII	OSMUNDACIDITES DUBIUS	K1b-c	C. HUGHESII	APK3	APK3.2 *Cooksonites variabilis* / *Pilossporites parvispinosus* / APK3.1 *Foramnispons asymmetricus*
120					O. OPERCULATA								FORAMINISPORIS ASYMMETRICUS				
			119 BARREMIAN	MUDERONGIA	A. CINCTUM											APK2	APK2.2 *Pilossporites notensis*
					M. AUSTRALIS	FORAMINISPORIS WONTHAGGIENSIS			C. HUGHESII MIDDLE / LOWER	C. HUGHESII LOWER	LOWER C. HUGHESII	F. WONTHAGGIENSIS	F. WONTHAGGIENSIS	K1a	F. WONTHAGGIENSIS		APK2.1 *Triporoletes reticulatus*
130			125 HAUTERIVIAN		M. TESTUDINARIA												
			131 VALANGINIAN		P. BURGERI						UPPER F. WONTHAGGIENSIS						*Foramnispons wonthaggiensis*
					S. TABULATA						F. WONTHAGGIENSIS						
					S. ARIEOLATA						LOWER F. WONTHAGGIENSIS						
			NEOCOMIAN		E. TORYNUM											APK1	APK1.2 *Dictyotosporites speciosus* / APK1.2.1 / APK1.1 *Cyclosporites hughesii*
			138 BERRIASIAN	F. CYLINDRICA	B. RETICULATUM	CICATRICOSISPORITES AUSTRALIENSIS		CRYBELOSPORITES STYLOSUS	C. STYLOSUS	C. STYLOSUS	C. AUSTRALIENSIS	UPPER C. AUSTRALIENSIS	MURospora florida	C. AUSTRALIENSIS	C. AUSTRALIENSIS		*Cicatricosisporites* spp.
					B. LOBISPINOSUS							LOWER C. AUSTRALIENSIS/ R. WATHEROOENSIS					
					C. DELICATA												
					K. WISEMANIAE												
					P. ESHENSE												
	JURAS-SIC	LATE	144 TITHONIAN		D. JURASSICUM	RETITRILETES WATHEROOENSIS					R. WATHEROOENSIS			J6	UJ5-6C	APJ6	APJ6.2 *Foramnispons daryi* / APJ6.1 *Cerazisporites equalis* / *Retenietes washeroensis*
150					O. MONTGOMERYI												
					C. PERFORANS												

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5465

**Different ranges may occur in the western/northern part of the continent.

Figure 2