

ANEMONE-1,1A STRATIGRAPHY

AGE/EPOCH	LITHO. STRATIGRAPHY	BIO. STRAT.	SEISMO. STRAT.	TWT (sec) S.S.	DEPTH (m) R.K.B.	DEPTH (m) S.S.	KEY HORIZONS RKB (ELEV. 27m)	STRAT. COLUMN	LITHOLOGY	
							SEA LEVEL			
							SEA FLOOR			
PLIOCENE	GIPPSLAND LIMESTONE			0.308	258	(-231)		500m	NO RETURNS	
									CALCARENITE light grey, off white, firm to moderately hard, medium crystalline, sucrosic texture, moderate cement, abundant fossils, poor porosity.	
									MARL light to medium grey, soft, sticky, dispersive, abundant calcareous cement, grades in part to Calcarenite.	
									CALCARENITE as above.	
MIOCENE	SEASPRAY GROUP	LAKES ENTRANCE FORMATION		1.142	1317	(-1290)	TOP LAKES ENTRANCE	1000m	MARL light grey, medium grey, soft, sticky, plastic, argillaceous i.p.	
									MARL light grey, off white, soft, dispersive, argillaceous, abundant glauconite, trace pyrite.	
									CALCAREOUS CLAYSTONE medium grey, soft, sticky, dispersive in part, very calcareous.	
									CLAYSTONE medium grey, silty, soft, trace glauconite.	
			LAKES ENTRANCE FORMATION						1500m	CLAYSTONE medium grey, soft to firm, sticky, marley, silty i.p.
								CLAYSTONE medium grey, soft to moderately hard, dominantly firm, silty i.p., pyritic, common fossils, dominantly blocky, occasionally subfissile.		
								CLAYSTONE medium grey, soft to firm, sticky, marley, silty i.p.		
								CLAYSTONE medium grey, soft to moderately hard, dominantly firm, silty i.p., pyritic, common fossils, dominantly blocky, occasionally subfissile.		
	LAKES ENTRANCE FORMATION						2000m	CLAYSTONE medium grey, soft to firm, sticky, marley, silty i.p.		
						CLAYSTONE medium grey, soft to moderately hard, dominantly firm, silty i.p., pyritic, common fossils, dominantly blocky, occasionally subfissile.				
						CLAYSTONE medium grey, soft to firm, sticky, marley, silty i.p.				
						CLAYSTONE medium grey, soft to moderately hard, dominantly firm, silty i.p., pyritic, common fossils, dominantly blocky, occasionally subfissile.				
	LAKES ENTRANCE FORMATION						2500m	SILTSTONE medium grey, moderately hard, very argillaceous, trace pyrite, trace glauconite.		
						SILTSTONE medium grey, moderately hard, very argillaceous, trace pyrite, trace glauconite.				
						SILTSTONE medium grey, moderately hard, very argillaceous, trace pyrite, trace glauconite.				
						SILTSTONE medium grey, moderately hard, very argillaceous, trace pyrite, trace glauconite.				
OLIGOC.		I-1/J?		2.051	2581	(-2554)	TOP GURNARD		CALCARENITE light grey, moderately hard, common fossils.	
EOCENE	GURNARD FM	N. ASPERUS		2.113	2677	(-2650)	TOP LATROBE		SANDSTONE dark green, loose, fine to coarse, abundant glauconite and fossil fragments, argillaceous.	
PALAEO.		L. BALMEI		2.165	2760	(-2733)	TOP MAASTRICHTIAN		SANDSTONE light grey, clear, translucent, loose, fine to coarse, glauconitic, argillaceous.	
MAASTRICHTIAN	SELENE SST	TRICOLPITES LONGUS	UK5					3000m	SANDSTONE light grey, clear, translucent, fine to coarse carbonaceous, common biotite, trace pyrite.	
									COAL black hard, vitreous, conchoidal fracture.	
									SILTSTONE medium brown to dark grey, moderately hard, micaceous, carbonaceous pyritic in parts.	
				2.370	3111	(-3084)	TOP SELENE SST			
CAMPANIAN	LATROBE GROUP	TRICOLPITES LILLIEI	UK4					3500m	SANDSTONE light grey to clear, medium to coarse, loose, moderately sorted, traces calcareous cement, traces pyrite, carbonaceous.	
									COAL as above.	
									SANDSTONE clear to translucent, medium to very coarse, moderately sorted, trace biotite.	
			N. SENECTUS	UK3					4000m	SILTSTONE light-medium brownish grey, very argillaceous, micaceous, slightly carbonaceous, occasional traces glauconite.
								SILTSTONE light-medium brownish grey, very argillaceous, micaceous, slightly carbonaceous, occasional traces glauconite.		
								SILTSTONE light-medium brownish grey, very argillaceous, micaceous, slightly carbonaceous, occasional traces glauconite.		
				2.708	3742	(-3715)	TOP CAMPANIAN '1' SST		SANDSTONE clear to light grey, loose, fine to coarse, pyritic, variably glauconitic.	
	SST '1'			2.787	3925	(-3898)	BASE CAMPANIAN '1' SST		SILTSTONE medium grey, moderately hard to hard, blocky to subfissile micaceous, occasional traces glauconite	
				2.843	4042	(-4015)	TOP CAMPANIAN '2' SST		SANDSTONE clear translucent firm to loose, fine to coarse, poor to moderate porosity, moderate gas show	
	SST '2'			2.886	4140	(-4113)	BASE CAMPANIAN '2' SST		SILTSTONE medium to dark grey, grading to shale	
SANTONIAN	SANTON. SST	T. PACHYEXINUS	UK2					4500m	SANDSTONE light grey to clear, loose, medium to very coarse, moderate porosity moderate gas show, weak oil show	
									SANDSTONE light grey to clear, loose, medium to very coarse, moderate porosity moderate gas show, weak oil show	
									SANDSTONE light grey to clear, loose, medium to very coarse, moderate porosity moderate gas show, weak oil show	
									SANDSTONE light grey to clear, loose, medium to very coarse, moderate porosity moderate gas show, weak oil show	
				2.915	4199	(-4172)	TOP SANTONIAN		SILTSTONE dark grey-brown moderately hard carbonaceous, glauconitic.	
				2.935	4244	(-4217)	TOP SANTONIAN SST			
				2.954	4287	(-4260)	TOP SANTONIAN SST		SANDSTONE light grey, clear, loose to moderately hard, fine to very coarse, poor to very good porosity, strong gas show, weak to moderate oil show.	
				3.072	4525	(-4498)	TOP SANTONIAN SST		SILTSTONE medium to dark grey, hard, blocky micaceous grading to shale.	
				3.118	4617	(-4590)	TOP SANTONIAN SST			
			UK1							
				3.192	4775	(-4748)	T.D. ANEMONE-1A			