

Depth (mRT)		Port Fairy No 1 - Sample Descriptions							Vis Por	Description and shows:
From	To	Sst	Slt	Clyst	Lst	Marl	Co			
80	90			100					CLAY medium grey, sticky, very soft, washing out of sample. Washed sample is predominantly cement.	
90	100			100					CLAY medium grey, soft, plastic,	
100	110			95	5				CALCAREOUS CLAY, medium grey, soft, CALCARENITE, light grey, fine grained, common marine fossils and glauconite.	
110	120			90	10				CALCAREOUS CLAYSTONE, medium to light grey, soft, sticky, minor fossils. CALCARENITE, light grey, fine grained, soft - firm, friable, fossiliferous, trace glauconite.	
120	130				10	90			MARL, as above, CALCARENITE, light grey, occasionally white, fine to coarse grained, soft - hard, friable to well cemented, fossiliferous, trace glauconite.	
130	140				5	95			MARL, as above, trace pyrite, soft, plastic, CALCARENITE, light grey, occasionally white, fine to coarse grained, soft - hard, friable to well cemented, fossiliferous, trace glauconite.	
140	150				10	90			MARL, as above, CALCARENITE, white to light grey, occ yellowish white, fine to coarse grained, poorly sorted, fossil frags, friable to firm, trace glauconite.	
150	160				10	90			MARL, as above, CALCARENITE, as above, laminated in part.	
160	170				10	90			MARL, as above, CALCARENITE, white to grey, mottled, fine to coarse, silty, fossiliferous,	
170	180				5	95			MARL, as above, very sticky, dispersive, fossiliferous, CALCARENITE, as above.	
180	190				20	80			MARL, as above, very finely calcarenitic in part, soft to firm, CALCARENITE, as above, glauconitic, occasionally well cemented.	
190	200				30	70			MARL, as above, very finely calcarenitic in part, soft to firm, CALCARENITE, as above, glauconitic, occasionally well cemented.	
200	210				10	90			MARL, as above, very finely calcarenitic in part, soft to firm, CALCARENITE, as above, glauconitic, occasionally well cemented.	
210	220				20	80			MARL, as above, very finely calcarenitic in part, soft to firm, CALCARENITE, as above, glauconitic, occasionally well cemented.	
220	230				10	90				
230	240									
240	250				10	90			MARL, light grey, soft/dispersive to firm, glauconitic, common sand size fossil grains.	
250	260				5	95			MARL, as above, occasionally pyritic	
260	270				60	40			MARL as above, washing over shakers, CALCARENITE, light grey to light greenish and brownish grey, fine to coarse grained, very silty grades to CALCISILTITE. Abundant fossil fragments	
270	280				60	40			MARL, light grey, firm, CALCARENITE, as above, fossiliferous, tr glauconite, common loose large fossil fragments.	
280	290			30	60	10			CLAYSTONE, medium grey, soft, slightly to very calcareous, silty, grades to CALCISILTITE, light grey soft, CALCARENITE, as above. Aundant large fossil fragments.	
290	300				80	20			CALCARENITE, pred light grey, occ brown, very fine to coarse grained, grades to MARL	

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300	310			30	60	10			CLAYSTONE, medium grey, soft, slightly to very calcareous, silty, grades to MARL, light grey soft, CALCARENITE, as above. Abundant large fossil fragments.	
310	320				90	10			CALCARENITE, pred light grey, occ v pale greyish brown, very fine to coarse grained, grades to CALCISILTITE, clayey, abundant fossil fragments	
320	330				100	0			CALCARENITE, occ very pale greenish grey, predominantly very fine grained, silty grading to clayey CALCISILTITE,	
330	340				90	10			CALCARENITE, as above grades to clayey calcisiltite and MARL, Abundant fossil fragments	
340	350				80	20			CALCISILTITE, light to medium grey, fossiliferous, grades to very fine CALCARENITE and MARL	
350	360				70	30			CALCISILTITE, as above.	
360	370				90	10			CALCARENITE, light grey, mottled, occ light greenish grey, argillaceous, very fine grained, poorly sorted, grades to CALCISILTITE and MARL	
370	380				80	20			CALCISILTITE, light to medium grey, fossiliferous, grades to very fine CALCARENITE and MARL, light grey,	
380	390				40	60			Minor CALCARENITE, white, very fine grained, moderately sorted, laminated, soft, CALCISILTITE and MARL as above	
390	400				20	80			MARL, medium grey, occasionally light greenish grey, grades to CALCILUTITE, argillaceous, soft, plastic. CALCARENITE, light grey, very fine grained, silty.	
400	410				20	80			MARL medium grey, soft, dispersive, grades to calcilutite, CALCISILTITE, light grey, argillaceous, grades to very fine CALCARENITE,	
410	420	Tr	Tr		20	80			MARL and CALCISILTITE as above, trace SANDSTONE, loose, clear, medium grained, trace SILTSTONE, yellowish brown, ?limonitic, firm to hard	
420	430	5	0	0	20	75	0		as above, SANDSTONE clear, fine to medium grained, loose, occasionally well cemented with clear calcite.	
430	440	80	tr		0	20			SANDSTONE, clear to light brown, yellowish brown, fine to medium grained, quartzose, subangular, predominantly loose grains with Fe staining and calcite cement adhering, common carbonaceous grains. SILTSTONE, yellowish brown, calcareous, firm, common carbonaceous grains. MARL as above	
440	450	30	20	20		30			SANDSTONE, as above, occ coarse grained, siltstone, greyish brown to light grey, calcareous, grades to calcareous claystone, light grey,	
450	460	80	20						SANDSTONE, mottled, fine to coarse grained, poorly sorted, subangular, dispersive calcareous argillaceous matrix, common lithic and carbonaceous grains very soft. SILTSTONE, very calcareous.	
460	470	90	10						SANDSTONE, greyish brown, speckled, very fine to very coarse grained, poorly sorted, loose Fe-stained grains and very soft aggregates with dispersive argillaceous calcareous matrix. CARBONACEOUS SILTSTONE, very dark brown.	
470	480	90	10					p	SANDSTONE, clear, Fe-stained to greyish brown, fine to v coarse, loose grains and aggs with soft clay matrix or occ firm calcite cement	
480	490	90	10			0		p	SANDSTONE, as above, calcite cement decreasing, common carbonaceous silty laminae and inclusions.	

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From	To	Sst	Slt	Clyst	Lst	Marl	Co			
490	500	100						e	SANDSTONE, clear, transl, medium to predominantly very coarse, well sorted, subangular, trace irregular shaped ?composite grains w/ dark inclusions, sub ang to subrounded.	
500	510	100						e	SANDSTONE, clear, as above. ? reworked qtz cemented sst	
510	520	100						e	SANDSTONE, as above (Sample swamped w/ LCM)	
520	530	95	5					f	SANDSTONE, light brown, fine to coarse pred medium, poorly sorted, trace dispersive, argillaceous matrix. SILTSTONE, dark brown, carbonaceous, finely sandy	
530	540	100	Tr					vg	SANDSTONE, clear, light grey, yellowish brown, loose, fine to very coarse subangular polished grains.	
540	550	100						vg	SANDSTONE as above, clean loose grains, trace calcareous cement, trace carbonaceous grains	
550	560	100						vg	SANDSTONE as above, clean loose grains, trace silty matrix washing out, trace carbonaceous grains	
560	570	100						vg	SANDSTONE as above, angular to subrounded, polished	
570	580	90	10					f	SANDSTONE, as above but with dark grey silty matrix in part. SILTSTONE, dark grey to greyish brown, silty, soft to firm	
580	590	100						vg	SANDSTONE as above, becoming clean.	
590	600	100	tr					g	SANDSTONE as above, trace SILTSTONE as above	
600	610	100						vg	SANDSTONE, clear, white, light grey, medium to very coarse grained, moderately sorted, angular to subrounded, trace calcareous cement. trace chert.	
610	620	100						g	SANDSTONE as above	
620	630	100	tr					g	SANDSTONE as above, trace SANDY SILTSTONE very dark brown.	
630	640	100						vg	SANDSTONE as above, becoming well sorted predominantly very coarse grained	
640	650	100	tr					vg	SANDSTONE as above, trace pyrite, trace SILTSTONE, dark brown, carbonaceous	
650	660	100						vg	SANDSTONE as above, clean	
660	670	100						vg	SANDSTONE as above, coarse to very coarse grained	
670	680	100						vg	SANDSTONE, as above	
680	690	100						vg	SANDSTONE, as above	
690	700	100					tr	e	SANDSTONE, clear, white, occ light grey, very coarse grained well sorted, subangular loose polished grains, trace COAL and CARBONACEOUS SILTSTONE	
700	710	100						e	SANDSTONE as above, medium to very coarse grained, trace fossil fragments	
710	720	100						e	SANDSTONE, clear, translucent, medium to very coarse grained, quartzose, v sl tr calc cmt, lse, subang. TR COALY SILTSTONE, dark brown to black	
720	730	100						e	SANDSTONE, as above, tr Fe staining	
730	733	100						e	SANDSTONE, as above, medium to v coarse, pred coarse grained, well sorted.	
733	736	100						e	SANDSTONE, as above, becoming predominantly med grained.	
736	739	100						e	SANDSTONE as above, fine to coarse grained.	
739	742	100						e	SANDSTONE, as above	
742	745	100						e	SANDSTONE, as above, coarse to very coarse.	
745	748	100						e	SANDSTONE, as above, coarse to very coarse.	
748	751	100						e	SANDSTONE, as above,	
751	754	100						e	SANDSTONE, as above, coarse grained	
754	757	100						e	SANDSTONE, as above, medium to occ. very coarse	

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757	760	100						e	SANDSTONE, as above, medium to coarse	
760	763	100						e	SANDSTONE, as above, medium to coarse, predominantly angular, trace COAL, black, dull, silty	
763	766	100						g	SANDSTONE, clear, occ milky, tr Fe stain, medium to coarse grained, well sorted, sl calc cmt, quartzose,	
766	769	100						g	SANDSTONE, as above, fine to coarse pred medium, tr silty matrix washing out.	
769	772	100						f	SANDSTONE, as above, dispersive silty matrix increasing slightly.	
772	775	100						e	SANDSTONE, clear, medium to coarse grained, clean	
775	778	100	tr					vg	SANDSTONE clear, medium to coarse grained, clean, sl trace calcareous cement, tr SILTSTONE, very dark brown, sandy.	
778	781	100						vg	SANDSTONE, fine to coarse grained, occ very coarse, mod srt, angular, sl arg matx washing out.	
781	784	100						f	SANDSTONE, clear to pale brown, fine to coarse grained predominantly medium, moderately sorted, ang to subang, pred loose, occ calc cemented aggs, minor silty matrix	
784	787	100						f	SANDSTONE, as above, tr SILTSTONE, v dk brn	
787	790	100						f	SANDSTONE, as above,	
790	793	100						f	SANDSTONE, as above,	
793	796	100						e	SANDSTONE, clear - white, coarse to very coarse grained,	
796	799	100						f	SANDSTONE, clear to greyish brown, fine to very coarse grained, poorly sorted, angular to occ. rounded, pred loose w/ common arg and calc matrix. tr SILTSTONE, grey, pyritic	
799	802	100						f	SANDSTONE as above, clear to greyish brown, mod srt,	
802	805	100	tr					f		
805	808	100	tr					f	SANDSTONE clear, light greyish brown, fine to coarse grained angular to well rounded, loose w/ trace brownish calcareous cement, occ firm fine well cemented aggregates. Trace SILTSTONE dark grey.	
808	811								SANDSTONE, as above, becoming medium to coarse,	
811	814							f	SANDSTONE, as above, fine to very coarse, poorly sorted, angular to well rounded, dispersive silty matrix and calcareous cement adhering to predominantly loose grains. occasional cemented aggs, trace greenish grey lithic grains.	
814	818	90	10					p	SANDSTONE, brown, fine to occ coarse, silty matrix increasing	
818	822	60	40					n	SANDSTONE, lt brn to mott grn/brn, v fine to v co, p std, ang to srnd, brown silty mtx and calc cmt, dense pyritic cmt l/part, qtzose sst l/bedded w/ glauconite sst (30%) in dense brn mtx. SLTST, lt to v dk gy, vf sndy, blk, frm to hard, calc i/p.	
822	825	10	90	0	Tr				SLTST, med gy to brn or grnsh gy, sandy w/ f & med qtz and glauc grains, v arg gds to slty, sndy CLYST. Tr ? Dol brn transl.	
825	828	20	40	40	Tr				SLTST, as above, common f-co qtz gns gds to silty arg SST, med to lt gy greysh brn, glauc	
828	837	50	20	30					SST, medium greysh brn, m-co, vp std w/ abndt disp silty arg mtx and occ dense ?dol cmt, gds to snady SLT and CLYST v sft, glauc, occ bands w/ v hd dol cmt.	
837	843	60	30	10					ARG SST, medium gy, m to co gn, abndt silty arg mtx disp. gdsd to sndy SLTST and CLYST.	

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From	To	Sst	SlT	Clyst	Lst	Marl	Co	Vis Por	Description and shows:	
843	846	20	60	20					SLTST, gy, brn, mott grn, v sndy, v arg, abndt lse co & v co subang qtz gns washing out, gds to ARG SST and sndy CLYST	
846	852	60	20	20					SST, medium greysh brn, m-v co, vp std w/ abndt disp silty arg mtx and occ dense ?dol cmt, gds to snady SLT and CLYST v sft, glauc, occ bands w/ v hd dol cmt.	
852	855	60	20	20					ARG SST as above	
855	858	70	20	10	Tr			n-f	SST, (1), med gysh brn, arg, as above, (2) clr mlky, co to gran, qtz subang, lse	
858	861	100	tr					e	SST, clr mlky, v co- granular, w std, ang - srnd occ w rnd, clean, lse qtzose, tr gy cherty lithic gns, vis por excellent, no shows, TRace SLTST a/a	
861	867	100						e	SST as above	
867	873	tr		100					CLYST, m-dk gry, amorphous, sticky, very soft, very finely qtz sandy, Trace SST v co a/a	
873	885			100					CLYST a/a	
885	900	60		40				p	SST, clr, v lt gy, co -v co, wstd, sang, lt gy arg mtx washing out	
900	906	100						p	SST, clr - lt brn, m to co gn mod std, lt brn arg mtx washing out	
906	915	70	30					f	SST a/a, mtx decreasing, l/bedded w/ CLAYST a/a	
915	921	20		80					CLAYST, med-dk gy, amorphous, soft, sticky, v sl sandy	
921	927			100					CLAYST a/a ibeeds of coarse clean sst in interval	
927	933			100					CLYST a/a	
933	942	20		80					CLYST a/a, bec lt grysh brn, mottled sandy, common pyrite aggregates	
942	951	40	30	30			Tr		CLYST, m gy mmica, amorphous to occ firm/cemented, silty and sandy, gds to arg, sandy, SLTST, SST v co a/a, Tr COAL, black, fibrous to blocky	
951	960	50	40	10			Tr		SST, med brnsh grey, vf to co, p std, abndt silty arg mtx, gds to sandy SLTST and CLYST, com pyrite aggs, variably cmted w/ calc,	
960	963	60	30	10				n	SST, silty arg a/a variably cemented, tr min flu	
963	966	40	40	20				n	SST medish grysh brn, a/a grades to sandy CLYST, lse/disp to hard.	
966	969	40	40	20				n	SST a/a, as silty arg sst and ? clean stringers of co to v co sst	
969	972	60	30	10			Tr		SST med grysh brn, vf to co gn, v p std, silty arg disp matx i/p, occ well cmted, occ pyrite cemented aggs, tr grey chert grains, gds to silty Clayst,	
972	975	80					20	n	SANDSTONE, lt brnsh gy, f to co mod srt, ang to srnd, mod to sl arg matx and mod cmt, friable aggs and occ lse co to v co qtz gns, tr prite and lithic gns, COAL, blk to v dk brn, fibrous.	
975	978	60	20	10			10		SST a/a, silty arg matx increasing, tr min flu	
978	981	50	40	10			tr		SST a/a bec v silty vf gn, COAL gds to car MDST	
981	984	60	40						SST a/a soft ? laminated light-med grysh brn, patchy white clay matx l/p	
984	987	70	30				tr		SST grysh brn a/a, vf to co gn, occ lse v co gn, vp std, brn silty clay, white patchy matx and variable dol cmt, occ dense py cmt, gds to sandy siltst	
987	990	90	10						SST a/a, brn,	
990	993	90	10						SST, lt to m grysh brn, vf to co v p std, a/a gds to SLTST, i/p fine to med gn, clean	

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993	996	90	10						SST, clr - lt brn gy, f to co, pred lse gns and aggs w/ silty mtx or pyrite cement.	
996	999	90	10						SST, m brnsh gry, vf -m, mod std, occ co, very dense silty mtx, tr CLYST, m-dk gy, silty, occ lt brn, tr glauconite	
999	1002	80	20						SST, gysh brn, vf to co gn, p std, sang srnd, very silty sl calc mtx, gds to SLTS	
1002	1005	80	20						a/a	
1005	1011	100							SST, lt gy, f - v co, p std, subang	
1011	1017	100							SST, a/a	
	1020									
1017	1023	20	80							
1023	1029	30	60	10					SLTST, m gy, fnly sndy, arg, gds to arg sst and slty clyst. SST, clr lse co gns,	
1029	1032	80	20						SST, gy-grn, vf -co, v p std,	
1032	1035	40	50	10						
1035	1038	60	30	10						
1038	1041	50	50						Interbedded SST, clr qtz in dense pyrite cement, SLTST, gds to CLYST, glauconitic laminae,	
1041	1044	50	50						SST co, lse or dense pyrite cement, SLTST, blocky, fnly sandy I/p, abndt pyrite	
1044	1047	40	50	10					SLTST, m brnsh gy, blk, sl sndy, SST, vf-co gn, p srt,	
1047	1050	70	30						SST a/a/ SLTST a/a tr glauconite,	
1050	1053	10	90						SLTST, m brnsh gy, arg, blocky, sft-firm, fnly snady gds to vf sst I/p, I/p smooth, tr pyrtite,	
1053	1056	20	80				tr		SLST, a/a, fine carb frags, sandy w/ fine qtz and minor lithic grns washing out, gds to SST	
1056	1059	20	80						SLTST a/a abndt pyrite as aggas and cement in SST	
1059	1062	20	80						SLTST, grysh brn, smth, soft/disp, sandy I/p, common pyrite aggs,	
1062	1065	40	60						SLTST, a/a gds to slty SST, abndt arg silty mtx washing out, abndt pyrite,	
1065	1068	30	70	0			tr		SLTST a/a gds to sst abndt pyrite	
1068	1071	20	70	10					CLYST, smooth, m gy, abndt pyrite as round aggs,	
1071	1074	10	70	20			tr		a/a abndt pyrite rounded aggs,	
1074	1077	50	40	10			tr		SST, clr, f-c ?bimodal, lse qtz gns, SLTST, lt gy, fnly snady, soft disp, comm carb flecks,	
1077	1080	10	70	20						
1080	1083	10	60	30					CLYST, m gy, slty, gds to SLTST	
1083	1086	10	70	20					SLTST m gy, grades to CLYST, blocky, firm,	
1086	1089	10	80	10					SLTST, m gy, blk, fnly sndy, lamianted w/ light gy vf sst, tr pyrite,	
1089	1092		50	50					SLTST gds to CLYST, m gry, sl sndy, carb flecks	
1092	1095		50	50					a/a	
1095	1098	10	70	20					SLTST, lt to medium grysh brown, carb flecks, firm, trace glauconite,	
1098	1101	0	0	100			0		silty clyst a/a, massive,	
1101	1104			100					silty clayst, massive	
1104	1107	80	20					vp	SST, lt gy, grysh brn, vf -c gn, p std, pred lse, occ, patchy silty matrix, trace to com glauconite in siltier aggs, gds to Siltst.	
1107	1110	50	50						SST, lt gy, grysh brn, vf -m gn, well std, dense calc cement, patchy silty matrix, trace glauconite.	
1110	1113	10	80	10					SST, bec v f gn, gds to siltst,	
1113	1116		50	50						

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1116	1119		50	50					SLTY CLYST md gry, massive, v fnly sndy l/p, tr glauconite,	
1119	1125	0	100						a/a	
1125	1128	20	80						SLTY CLYST md gry, massive, v fnly sndy l/p grades to v f SST, tr glauconite, sandy, grades, tr carb mat. tr dolomite, common pyrite nodules	
1128	1131	20	80						SLTST, cly, a/a	
1131	1134	60	40							
1134	1137	60	40						SST brn, vf gn, slty, tr dol, gds to sndy SLTST	
1137	1140	20	50	30					SLTST, m gry, finely sandy, gds to v f sst, CLYST, m gry,	
1140	1143	30	40	30					SILTSTONE, gds to CLYST and silty SST a/a	
1143	1146	20	50	30					SST, gry, vf to co, v p std, ang, mic mic, pyritic, very silty, gds to SLTST	
1146	1149	30	50	20					SLTST, m gry, finely sandy, gds to v f sst, CLYST, m gry,	
1149	1152	60	30	10					SST, vf to m gn, pred lse, dispersive slty mtx, glauconitic	
1152	1155	40	50	10					SST, a/a	
1155	1158	30	50	10						
1158	1161	40	50	10						
1161	1164	40	50	10						
1164	1167	10	50	40					Sily CLYST, md to dk gy, gds, arg SLTST, micmicaceou, tr carb mat, SST gy, f-m occ co, p std, silty occ w/ dense calc cmt	
1167	1170	30	50	20					SST, lt gysh brn, vf m gn, p std, abndt slty arg mtx, sft, pulpy,	
1170	1173	30	60	10					SST, lt gysh brn, vf m gn, p std, abndt slty arg mtx, soft, gds to sandy SLTST	
1173	1176	40	40	20					SST, lt gy, lt yellsh gy, lt brn, vf to m gn, silty, occ dol, pred lse gns w/ abndt mtx washing out, gds to Siltstone,	
1176	1179	30	50	20					SLTST, v lt gy, spkled, v f sndy, tr carb specks, gds to SST, lt gy, vf to m gn, p std, soft arg, tr glauc,	
1179	1182	70	30					n	SST, l/p green, speckled, vf to f gn, v p std, silty, arg, micmic, com carb spks, dgs to SLTST.	
1182	1185	50	50	0				n	SST a/a/ SLTST a/a tr glauconite,	
1185	1188	10	80	10					SLTST, m gy, blk, fnly sndy, lamianted w/ light gy vf sst, tr pyrite,	
1188	1191	20	70	10						
1191	1194	30	60	10						
1194	1197	20	70	10					SLTST, m gy brn, sft, blk, f sndy, SST, lt gy	
1197	1200	20	70	10						
1200	1207	10	80	10					SLTST m -lt gy brn,	
1207	1216	40	30	30				p	SST, lt gy, lt gysh brn, very silty, sl dol cmt. glauconitic, SLTST, md gy brn, blk,	
1216	1222	50	40	10				p	SST, v lt gy, vf to rr m gn, p std, slty, tr glauc, ibdd w/ SLTST, gy brn, f sndy and glauc,	
1222	1231	50	40	10				n	SST, gyrsh brn, vf gn, slty, occ fn, tight, gds, to sandy SILTSTONE,	
1231	1237	20	80						SLTST, brnsh gy, v fnly sndy, gds to v f gn SST	
1237	1240	30	70	tr					a/a	
1240	1243	40	60						SLTST, bec fv sndier gds to SST.	
1243	1249	30	60	10					SLTST, a/a	
1249	1252	20	80						SLTST, m gy to grysh brn, v fnly sandy, v soft, gds to sst	
1252	1255	10	80	10					SLTST m gy, grades to CLYST, blocky, firm,	
1255	1258	10	70	20					SLTST a.a, tr glauconite, tr sst, dense calc cmt, glauc v f gn.	
1258	1261	10	70	20					SLTST a/a	
1261	1264	tr	60	40					SILTY CLAYSTONE, med brn gy, sft, rr fossil frags	

Depth (mRT)		Port Fairy No 1 - Sample Descriptions							Vis Por	Description and shows:
From	To	Sst	Slt	Clyst	Lst	Marl	Co			
1264	1267	tr	60	40					a/a, minor fine glauconitic sst laminae in siltstone, tr carb frags.	
1267	1270	tr	50	50					Silty claystone, med brn gy, sft, rr fossil frags	
1270	1273	tr	40	60					a/a, minor fine glauconitic sst laminae in siltstone, tr carb frags.	
1273	1276	20	60	20					m brnsh gy, glauconitic, sandy gds to v f SST	
1276	1279	10	40	50					CLYST, m - dk gy, blocky, tr m gn weathrd felds,	
1279	1287	10	80	10					SLTST w/ hard dol cement, glauconitic	
1287	1290	10	20	70					CLYST, m - dk gy, blocky, tr m gn weathrd felds, sndy, micromicaceous, tr glauconite.	
1290	1293	10	10	80					CLYST, medium to dark grey, smooth, blocky.	
1293	1296		10	90					CLyst, slty, very glauconitic, up to 40 % glauconite in tray.	
1296	1299		10	90					Glauconitic Claystone, dark grey, glauconite is v dark greenish blacl	
1299	1302		10	90					a/a, minor fine glauconitic sst laminae in siltstone, tr carb frags.	
1302	1305	10	10	80					CLAYST, a/a v dk gry, glauconite	
1305	1308		10	90					CLAYST, 70 % glauc in tray, pyritic glaucoite viens	
1308	1311			100					CLAYST, abndt glauconite	
1311	1314	10	40	50					a/a bec sandy and silty,	
1314	1317			100					GLAUCONITE CLAYST	
1317	1320			100					a/a	
1320	1323			100					a/a glauconite decreasing to minor constituent	
1323	1326			100					a/a	
1326	1329			100					a/a	
1329	1332	20	30	50				n	GLAUCONITIC CLAYSTONE, v dk gry, soft abndt blk glauconit grains ashing out, gds to arg greensand	
1332	1335	50	0	50				n	clyst a/a bec v glauc gds to greensand, m gn tight w/ abndt clay mtx, and loose glauconite gns, also 20% lse clear co to v co lse qtz gns,	
1335	1338	50	30	20				n		
1338	1341	40	0	60				n	Glauconite Sandstone, v dark green, gds to glauconitic claystone, black m gn glauc gns and pellets of ?glau cly in solid dk gy clay mtx.	
1341	1344	10	30	60					Clyst 2 types, (1) pelloidal claystone, very dark grey to black, (2)dark grey to medium brown, firm, subfissile	
1344	1348	20	30	50					SLTST, med gry brn, Clyst, as above	
1348	1350	20	30	50					Sltst and Clyst as above	
1350	1353	30	30	40					Glauconite Sandstone, v dark green, gds to glauconitic claystone, black m gn glauc gns and pellets of ?glau cly in solid dk gy clay mtx.	
1353	1356	10	30	60						
1356	1359	20	40	40					SILTSTONE, medium grey to brown, finely qtz sandy, Trace to common lse, very coarse qtz grains.	
1359	1362	20	40	40					Sltst as above	
1362	1365	10	50	40						
1365	1368		20	80					Two types as above, predominantly dark grey to medium brown, firm, subfissile, gds to SILTSTONE, medium grey to brown, finely qtz sandy, Trace to common lse, very coarse qtz grains.	
1368	1371	10	20	70					Sst Sltst and Clyst as above	
1371	1374		30	70					Siltstone and Clyst as above	
1374	1377		20	80					Sltst and Clyst as above	
1377	1380	10	70	20					SLTST, m brnsh gy, fnly sndy, tr glauc, gds to v fn arg SST and to CLYST, dk gy, subfiss.	

Depth (mRT)		Port Fairy No 1 - Sample Descriptions							Vis Por	Description and shows:
From	To	Sst	Slt	Clyst	Lst	Marl	Co			
1380	1383	10	30	60					SST, m gry, vf to f gn, slty, p std, calc I/p, pred v arg.gsd to SLTST and SLTY CLYST, tr lithic gns, red gns, mica,	
1383	1386	20	10	70					CLYST, v lt gy, occ v pale blu-gy-grn, v smooth, waxy. SST, ?lse gns washing out, vf to m gn, qtz, tr lithics, tr glauc, tr biotite	
1386	1389	20	30	50					CLYST,(1) v lt gy, v smooth, waxy. (2) m gy, sft, slty, gds to siltst, SST, I/p whi, ?tuffaceous, f gn, tr red, blk, gy lithic gns & felds, common lse gns washing out, vf to m gn, qtz, tr lithics, tr glauc, tr biotite gds to whi sndy sltst	
1389	1392	10	40	50					CLYST, (1) pale brnsh gy tov lt gy blocky, homogenous, (2) v lt gy to hi, v silty, sandy, gds to arg sandstone, and siltstone, tr lithics tr biotite. SLTST, I/p m gry brn, vf sndy, tr to minor glauc,	
1392	1395	10	70	20					sltst, md gy, tr glauc and lithic gns, occ v lt gy, sft, gds to v f SST,	
1395	1398	20	70	10					silty sst, v lt gy, soft, gds to sandy sltst, tr lithic gns,	
1398	1401	10	80	10					sltst, v lkt gy, sndy, sft, v fnly qtz sndy, gds to silty sst	
1401	1404	10	80	10					sltst, v lkt gy, sndy, sft, v fnly qtz sndy, gds to silty sst, biotite flakes,	
1404	1407		70	30					Arg sltst, md gryish brn and very light gry, sandy, Clyst, pale brown, waxy	
1407	1410		50	50					Arg sltst, v lt gry, sandy w/ wi, gy, tr red, and tr biotite gns, very soft stickt, gds to sndy, slty, clyst	
1410	1413		30	70					clyst, a/a tr biotite, gy lithic gns,	
1413	1417	20	60	20				n	sltst, v lt gry, sandy, arg, v soft stcky, gds to arg sst, vf gn, p std, minor lithics, tr biotite and felds	
1417	1420	20	60	20						
1420	1423	20		80					sandy cyst, v lt gy, com felds, minor biotite, gds to v f arg sst	
1423	1426		60	40				tr	clyst 10%, , pale gysh gm, smth, subfiss, 90% light grysh brn, vf lly sndy, gds to slty clyst, tr coal frags,	
1426	1429		60	40					clyst pale bl-grnsh gy, 90 % lt gry sily clyst a/a tr biotite, tr carb frags,	
1429	1432		40	60					Clyst 40%, pale grnsh gry a/a, 60% light grysh brn v fnly sndy, gds to tr v f sst,	
1432	1435									
1435	1438		80	20					siltst, lt gy, gry brn, arg gds to clyst, clyst I/p pale bluish gry,	
1438	1440	20	70	10				tr	siltst, lt gy, gry brn, arg gds to clyst, clyst I/p pale bluish gry,	
1440	1443	80	20					p	sst, clr gy, vf to m grn, mod std, arg mtx, occ dense calc cmt, abndt lithic gns, tr felds,	
1443	1446	80	20					p	sst as above, pred lse gns, minor aggs w/ silty cly mtx washing out.	
1446	1449	50	50						sst a/a, vf gn silty, gds to sltst,	
1449	1452	30	70					tr	sst, vf gn, gds to sltst,	
1452	1455	10	40	50				tr	clyst 20%, pale bluish gy, subfissile, sltst, light, greysh brn, v fnly sandy, sltst a/a	
1455	1458		70	30					Sltst, lt gy, grysh brn, firm, sndy w/ qtz and common lithic gns, tr carb mat. sltst a/a	
1458	1461		50	50					clyst, gy, pale grnsh gy, silty I/p gdst to	
1461	1464		50	50						
1464	1467		80	20					sltst, lt grysh brn, homogenous, tr carb mat, tr felds,	
1467	1470		80	20					a/a, tr large carb flecks, v fnly sndy I/p. , clyst, pale grnsh gy a/a	

Depth (mRT)		Port Fairy No 1 - Sample Descriptions							Vis Por	Description and shows:
From	To	Sst	Slt	Clyst	Lst	Marl	Co			
1470	1473	50	50						sst, gry, vf gn, slty, tr carb mat, felds, com lithic grains,gds to clyst, smooth	
1473	1476	70	30					tr	Sst, clear to grey, very fine to medium grained, moderately sorted, argillaceous matrix washing out, variable calcareous cement,abundant grey and black, trace red lithic grains,trace feldspar, vis porosity nil to poor.	
1476	1479	60	30	10						
1479	1482	50	40	10				nil-pr	Sltst, light grey to greyish brown, finely sandy, trace carbonaceous flakes and feldspar,	
1482	1485	20	50	30						
1485	1488	20	30	50					Clyst, in part brownish grey, in part pale greenish to bluish grey, smooth to waxy, friable ?tuff	
1488	1491	10	30	60						
1491	1494	10	40	50				nil-pr	Sltst, light grey to greyish brown, finely sandy, trace carbonaceous flakes and feldspar,	
1494	1497	10	30	60					Clyst, in part brownish grey, in part pale greenish to bluish grey, smooth to waxy, friable ?tuff	
1497	1500	50	30	20				nil-pr	Sst, clear to grey, very fine to medium grained, moderately sorted, argillaceous matrix washing out, variable calcareous cement,abundant grey and black, trace red lithic grains,trace feldspar, vis porosity nil to poor.	
1500	1503	10	40	50						
1503	1506	80	10	10				tr	Sst, lt gry, vf to f gnh, m std, ang, pred lse, cly mtx adhering to gns,abndt gy and black lithic tr casrb mat	
1506	1509	90	10					n	sst, gry, vf to f gn, slty, p std, ang, pred lse gns, occ slty aggs w/ clay mtx and calc cmt,	
1509	1512	80	10				10		sst, gry, vf gn, w std, ang, qtz and abndt lithic gn, ashing out of lt gy clay mtx, tr felds, tr coal, black, v dk brn,	
1512	1515	80	10	10				tr		
1515	1518	70	30					tr	sst, a/a, vf to f gn, abndt arg mtx washing out, gds to siltstone. red siltstone, dispersive,	
1518	1521	80	20					p	sst, gry, v fn gn, silty, p std, occ calc mtx, pred lse, occ tight aggs,	
1521	1524	90	10					p	sst a/a, vf gn silty, gy, red blk lithics, tr biotite, gds to sltst, , ang, abndt lithics, sl calc cmt, variable, cly mtx washing out.	
1524	1527	100						p	sltst, gry, vf gn, well std, , ang, abndt lithics, sl calc cmt, variable, cly mtx washing out.	
1527	1530	100							sst a/a,	
1530	1533	90	10						sst a/a, vf to occ m gn, tr felds, common lithics, common aggs ww/ whi cal cmt.	
1533	1536	100						p	sst a/a, pred lse, com aggs / hi clay mtx	
1536	1539	100							sst, gy, grnsh gry, speckled, vf to m gn, m std, ang, pred lse,	
1539	1542	90		10				p	sst a/a f - medium, m std, ang, variable calc cmt, abndt cly mtx, lithic, to 50% of sst, vis por poor,	
1542	1545	80		20					sst a/a	
1545	1548	90		10					SST a/a matrix increasing,	
1548	1550	70		30					SST a/a abundant grey cley matrix grades to sandy CLYST	