Expedition 317 Canterbury Basin: U1354 A 6H 1 16.30 – 24.30 m

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Shell hash

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec
0		0					0-13cm. Shell hash dominated by complete & broken valves of Tawera (adult & juvenile) plus Stirocolpus. No matrix. Possible cave in - perhaps also in place. Sharp base. Calcareous Smear Slides indicate almost a marl.	
10		13		①				
20								
30							13-130 - mud with a few percent vf sand. Micaceous. Common Stirocolpus throughout - scattered. More concentrated zones of Stirocolpus at 70-74cm 106-113cm these zones are slightly sandier vf to fine sand	
40								
50				②				
60		5GY 4/1						
70								
80								
90								
100								
110								
120								
130		130						
0								
150								

Expedition 317 Canterbury Basin: U1354 (Site) A (Hole) 6H (Core) 2 (Section) 17,80 (Top Depth)

Major Lithology: Mud. Minor Lithology:

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec.
0		0						
10							0-141 cm. Mud with a few percent of sand. Micaceous. Stivocolpus common + scattered thyroyhoid with rare veneriids eg at 62cm. Structureless. Calcareous	
20								
30								
40								
50		5GY 4/1		↑ (2) ↓			Shelly interval at 57-64 cm dominated by Stivocolpus with veneriids.	
60								
70								
80								
90								
100								
110								
120								
130								
140		141						
150								

Expedition 317 Canterbury Basin: U1354 A 6H 3 19.30

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec
0		0						
10								
20					23	SS	0 - 131 cm	
30							Mud with a few percent vf sand Micaceous. Silicoflagellates + Tarkena common. + scattered Thoracosphaera, but not as common as in section above. No shelly layers as such. Calcareous	
40				↑				
50		5G 4/1		2				
60				↓			vf - fine shell-rich burrow, 1 cm diameter at 68-69cm.	
70								
80								
90								
100								
110								
120								
130		131						
150								

Expedition 317 Canterbury Basin: U1354 A 6H 4 20.80

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology: Sand

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec
0		0						
10							2 lithologies	
20		5GY 4/1		2			1. Mud with a few % v f sand. Stivocolpus common with less Taurina – the latter usually broken. Layer of Stivocolpus between 70–75 cm – f – vf sand matrix. 5GY 4/1. Calcareous. Shell layer at 40–45	
30								
40					8			
50		51 53		1	52	53	Interbedded with	
60		65		2			2 well sorted vf to f (mostly f) micaceous lithic sand. Contains garnets & ? apatites – looks more like Toulouse derived. Sharp based & sharp topped. Contain rare broken shells. Color 5GY 3/1	
70		66		1				
80		78 80		2				
90		95		1				
100		5GY 3/1		2				
110		107						
120		123		2				
130		127		A				
150								

Expedition 317 Canterbury Basin: U1354 A 6H 5 22.18

Site: Hole: Core: Section: Top Depth:

Major Lithology: Sand Minor Lithology: Sandy mud

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec
0		0					0-45 cm	
10		5ay 4/1		↑			v f sandy mud throughout. Lithic with abundant & scattered shells — particularly Stivalopus. + Tawera. The latter typically broken. Coarser than units above	
20				②				
30				↓				
40								
		45						
50							45 - 128 cm Sand. well sorted vf to f (mostly f) lithic micaceous sand. Partially fluidised during drilling. No shells	
60								
70								
80		5ay 3/1						
90				↑ ① ↓				
100								
110								
120								
130		128						
0								
150								

Expedition 317 Canterbury Basin: U1354 A 6H 6 23.50

Site: Hole: Core: Section: Top Depth:

Major Lithology: Sand Minor Lithology:

set (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: GB Date: 29 Dec
0		0						
10							0-70cm	
20							Well sorted, v f to f (mostly f) lithic, micaceous sand.	
30		5GY 3/1		D			Partially fluidised during drilling. Rare broken shells.	
40								
50								
60							Percentage lithology	
) 70		70					Shell hash 13 % 2	
							Sand 176 24	
80							Mud 496 68	
							Sandy mud 45 6	
90							730 100%	
100								
110								
120								
130								
)0								
150								