

Expedition 317 Canterbury Basin: U1354 B 9H 1 33.5-41.51 m  
 Site: Hole: Core: Section: Top Depth: 33.5-35.00

Major Lithology: 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: Date: GB 30 Dec
0	( ? )	0	Fall v. ↓	↑			0-13 Shelly mud shells of <u>Tawera</u> + <u>Stivocalpus</u> often broken within a mud matrix. ? fall in.	
10		B		↓				
20	-	10Y 4/1		↑			13-59cm Sandy clay. v f sandy clay with abundant & scattered <u>Stivocalpus</u> shells. Gradational base.	
30	-			③				
40	-			↕				
50	-			↕		SS		
55	-	5Y		↕		55	59-113cm Mud Mud with a few % v f sand. Micaceous <u>Stivocalpus</u> shells common & scattered throughout. Form a diffuse layer at 91-95cm and 115-117cm and 147-150cm. Slightly calcareous.	
60	-			↕				
70	-	10Y 4/1		③				
80	-			↕				
90	-			↕				
100	-			↕				
110	-	11B		↓			113-150cm Sandy mud micaceous v f sandy mud with abundant shells scattered throughout. <u>Stivocalpus</u> dominant. Form diffuse layers at 91-96cm 113-116cm 147-150cm. Slightly calcareous.	
120	-	↑		↓				
130	-	10GY 4/1		②				
140	-	↓		↓				
150	-	15O		↓				

Expedition 317 Canterbury Basin: U1354 B 9H 2 35-36.50

Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: Date: GB 30 Dec.
0		0						
10								
20								
30		10Y 4/1		③			0-85 cm Mud Mud with a few % of sand. Micaceous shells common & scattered throughout. Dominated by <u>Stirocolpus</u> forming shelly clusters between 15-30 cm and 50-59 cm. Slightly calcareous	
40								
50								
60								
70								
80								
85								
90								
100		10Y 4/1				94 ss	85-144 cm sandy mud Calcareous micaceous of sandy mud with abundant shells scattered throughout. Dominated by <u>Stirocolpus</u> and by bivalves. Bivalves typically broken. Often form concentrated clusters at 100-108 cm 115-129 cm	
110								
120								
130								
140								
150		10Y 4/1 150				144	144-150 cm Mud Mud with a few % of sand. Remains from overlying lithology extend downward into underlying. No shells. Slightly calcareous	

Expedition 317 Canterbury Basin: U1354 B 9H 3 36.5 - 38.00

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: <u>GB</u> Date: <u>30 Dec</u>
0		0					0-150 Mud.	
10							Mud with a few % of sand.	
20							Micaceous. Shells common & scattered throughout. Include mostly <i>Stirocolpus</i>	
30							Diffuse concentrations of shells at	
40								
50		104 4/1 50		↑ ③ ↓			11-17cm 29-37cm 89-92cm 123-125cm 145-150cm	
60								
70		65					Lighter coloured (No) clayey mud in the interval 50-65cm	
80							Appears to form a 2cm thick bed at 65cm, but above this is more diffuse through the interval.	
90								
100								
110							Burrows extend down to 12cm from burrowed contact in section 2.	
120								
130							Slightly calcareous.	
140								
150		150						

Expedition 317 Canterbury Basin: U1354 B 9H 4 38.00 - 39.50

Major Lithology: Mud Site: U1354 Hole: B Core: 9H Section: 4 Top Depth: 38.00 - 39.50  
 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: Date:
0		0						GB 30 Dec
10							0-150cm Mud	
20							Mud with a few % of sand. Microceous	
30							Shells common + scattered Tend to be concentrated in diffuse clusters or layers such as:	
40								
50							0-5cm	
60		10y 4/1		↑ 3 ↓			32-41cm	
70							52-62cm	
80							74-78cm	
90							98-108cm	
100							146-150cm	
110							Dominated by <u>Strocolpus</u>	
120							clayey mud layer between 38-42cm	
130							Slightly calcareous	
140								
150		150						

Expedition 317 Canterbury Basin: U1354 B 9H 5 39.5 - 40.6

Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_

Major Lithology: \_\_\_\_\_ 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: <u>GE</u> Date: <u>30 Dec</u>
0		0					0-11 cm Mud	
10							light greenish colored mud with a few % v f sand. Micaceous Abundant shells scattered throughout	
20							dominated by <u>Stirocarpus</u>	
30		5G7 4/1						
40				↑ 3 ↓			Light colored (N6) < 1 cm diam clayey mud burrows eg 42, 58-62cm, 71-74 cm. Grice sediment a slightly mottled appearance in these intervals.	
50								
60		57 61					Shells clustered in diffuse zones eg.	
70		72 74					16-22 cm 32-42 cm 89-95 cm	
80								
90							Slightly calcareous	
100								
110		111						
120								
130								
140								
150								



Expedition 317 Canterbury Basin: U1354 B 9H cc 41.2 - 41.51m

Major Lithology: Mud Site: Hole: Core: Section: Top Depth: 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: Date: GB 30 Dec																		
0		0					0-26 cm Mud. light greenish colored, mud with a few % of sand. Micaceous, Abundant shells scattered throughout - dominated by <u>Stenocolpus</u> .																			
10		5G4 4/1		↑ ②																						
20				↓			Slightly calcareous																			
26	PAL	26		—																						
30		31					<p>% lithology</p> <table border="1"> <thead> <tr> <th></th> <th>thickness</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Mud</td> <td>641</td> <td>81</td> </tr> <tr> <td>Sandy mud</td> <td>96</td> <td>12</td> </tr> <tr> <td>Sandy clay</td> <td>46</td> <td>6</td> </tr> <tr> <td>shelly mud</td> <td>13</td> <td>1</td> </tr> <tr> <td></td> <td><u>796</u></td> <td><u>100</u></td> </tr> </tbody> </table>		thickness	%	Mud	641	81	Sandy mud	96	12	Sandy clay	46	6	shelly mud	13	1		<u>796</u>	<u>100</u>	
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