

Expedition 317 Canterbury Basin:

U1352

B

7H

2 57.20

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud

Minor Lithology:

Tset (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								
10							0-140 cm	Logged by: ^{1 Dec} CB/NM Date:
20							Mud with very fine micaceous sand. Mottled bioturbated throughout	
30				↑			Shells at: 20-24 cm	
40							Chlamys delicatula + Tawera.	
50		↑		④			Shell fragment at 42cm-45cm	
60		504 4/1					Numerous dark gray-filled filled burrows up to 1cm diam throughout. One large burrow at 79-81cm - 1.5cm diam filled with dark gray mud	
70		↓	Gas expansion	↓			Numerous smaller burrows below this.	
80				↑		20		
90				⑤				
100				↓				
110							100% mud:	
120								
130								
140		140						
150								

Expedition 317 Canterbury Basin:

U1352

B

7A

3

58.70

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology: Mud

Minor Lithology:

Depth (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/KJM	1 Dec
0							0-150cm		
10							Mud with very fine micaceous sand.		
20							Distinct mottled appearance throughout.		
30				↑					
40				⑤			Broken rare shell fragments (bivalve) at 139cm.		
50			↑	↓					
60		5GY 4/1	↑				Numerous dark gray mud-filled burrows up to 2cm diam throughout. Decrease in abundance of burrows below 114cm.		
70			↑						
80			↑						
90			↑						
93			↑	④					
100			↑	↓					
110			↑						
114			↑						
120			↑	③					
130			↑	↓					
139			↑						
140			↑						
150		150	↑						

Expedition 317 Canterbury Basin:

Site: U1352 Hole: B Core: 7H Section: 4 Top Depth: 60.20

Major Lithology: Mud.

Minor Lithology:

fset (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							0-140 cm	Logged by: GB/NM Date: 1 Dec
10				↕			Mud with very fine micaceous sand. Not as mottled as section 3.	
20								
30				③			Shell fragments rare & scattered at	
40						80	41cm - foram	
50		SGY 4/1	↑ Gas expansion	↕			74cm - foram.	
60				↑		61	dark gray mud filled burrows and shells - < 3mm wide & not as abundant as above	
70				④		74		
80				↕		77	100% mud.	
90			↓	↑				
100								
110				③				
120				↕				
130								
140		140		↑				
150								

Expedition 317 Canterbury Basin:

Site: U1352 Hole: B Core: 7H Section: 5 Top Depth: 61.70

Major Lithology: Mud Minor Lithology: Sand

fset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glaucanite %	Samples	Core Description, comments, boundary type, other	Logged by:	Date:
								GB/NM	1 Dec
0							0-70:		
10		SGY 4/1		g			Mud with very fine micaceous sand. Not mottled. Slightly more sandy at 40-50 cm.		
20							Rare scattered shell fragments at 73cm		
30		N5	32	③			3 cm below top.		
40			44	↓			No dark grey mud-filled burrows		
50		SGY 4/1			clam fill ↓		62-79cm med sorted fine muddy sand with abundant (common) shell fragments		
60			62	↑	66		Sharp base with burrows.		
70		SGY 3/1		①	72 SS				
80		N5	79	↓			79-110 Mud with very fine micaceous sand - almost no sand. 3cm down sand-filled burrows extend down to 103cm - Thalassiroidea		
90				③	94 SS				
100									
110		110					110-150 Muddy sand ^{to sand} with scattered common shell fragments + forams Sand gets coarser toward base - v. fine at top - medium at base (mostly fine sand). Calcareous. Distinctly greenish.	20% sand + 80% mud	
120				↑					
130		SGY 4/1		①					
140				↓					
150		150							

Expedition 317 Canterbury Basin:

U1351

B

7#

6

63.2a

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Sand

Minor Lithology:

Mud

fset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glaucinite %	Samples	Core Description, comments, boundary type, other	Logged by:	Date:
								GB/NM	1 Dec
0									
10							lt green mud sorted, f-medium (mostly fine) sand with some mud. Calcareous throughout		
20		↑							
30			slight gas expansion	↑			Abundant shell fragments throughout including Tawera, Echinoid spines, Chlamys delicatula.		
40		10 Y		①			Concentrated shell layers at 63-66 76-79 5-10 cm.		
50		4/1		↓					
60		↓							
70									
80							↑ ⑤ Isotope Stage		
90									
96		96 -							
100		↑		↑					
110		N5		③	SS 109				
120		↓		↓			Mud with very fine micaceous sand. Burrows are extend to bottom from 96 contact - filled with same fine-medium sand as above. Broken shells common. Include <i>trochammina</i>		
130		128							
140									
150									

Sand = 85%
mud = 15%

Expedition 317 Canterbury Basin:

Site: U1352 Hole: B Core: 7H Section: CC Top Depth: 64.95

Major Lithology: Mud

Minor Lithology:

Depth (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/NM	1 Dec
0									
10		N5 (mud)	Core expansion.	↑			Mixture of 2 lithologies		
20		10Y 4/1 (sand)		①			Mud - with very fine micaceous sand with scattered broken shells common.		
30							Sand - light green mud st. fine-med with common shells scattered. Include <u>Tawera</u> several specimens. Shells convex up.		
40					↓				
50	PAL	46 52							
60							60% mud 40% sand.		
80							<u>Total Core =</u>		
90							Mud 628cm = 83%		
100							Sand 130cm = 17%		
							<u>758</u>		