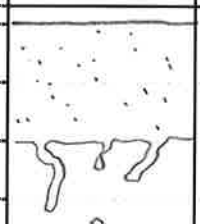
Expedition 317 Canterbury Basin: U1352 B 33 H 1 288.70 - 288.22

Site: Hole: Core: Section: Top Depth:

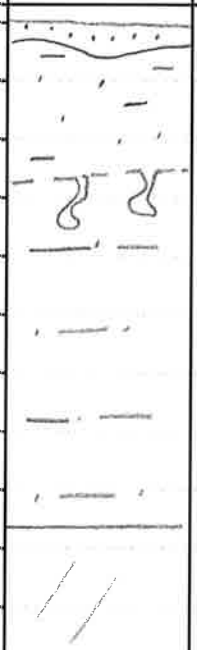
Major Lithology: Mud Minor Lithology: Sand

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: 3 Dec
0		10YR 4/1		3			0-10cm Well sorted v f to fine (mostly fine, shell-rich sand Burrowed basal contact Calcareous	
10		10						
20				4			10-100 cm Mud with a few percent v f sand	
30		10Y 5/1						
40							Rare broken shells throughout	
50							Burrows infilled with fine-v f sand extend down to 56 cm below top - ? Thalassinoides	
60		56						
70								
80				3				
90							Mud = 90% Sand = 10%.	
100		100						
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 33H | 2 | 283.11

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud Minor Lithology: Sandy mud, 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: CS Date: 3 Dec
0		0 2 10G	4/1	6 ↑ 3			0-2 Sand mud well sorted vf - fine (mostly vf) sand with common broken shells Sharp irreg base. Calcareous	
10		5GY 4/1						
14		14					2-14 Very fine sandy mud with scattered broken shells scattered Gradd base - probably bioturbated contact Burrows eated down to 18 cm Calcareous	
20		10Y						
30		4/1						
40			Gas expansion				14-43 Mud with a few % v f sand Rare scattered shells - broken Calcareous	
		43						
50								
60								
70								
80							Mud 70 % Sandy mud 28 Sand 2%	
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 B 33H 3

Site: Hole: Core: Section: Top Depth:

Major Lithology: Sandy 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: 3 Dec
0								
10		5GY 4/1		↑ (3)			Calcareous very fine sandy mud with rare scattered shells throughout — broken. Prominent shelly material at 16-18 cm. Slightly mottled appearance.	
20								
30				↓				
40								
45			45					
50								
60								
70								
80								
90							Sandy mud 100%	
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 33H | 4 | 284.64

Site: | Hole: | Core: | Section: | Top Depth:

Major Lithology: Mud | Minor Lithology: Muddy 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: 3 Dec
0							0-16 - Mud with a few % v f Sand. No shells. No structure	
10		10Y 4/1						
		16 10GY 18 4/1					16-18cm mod well sorted v fine sand with rare broken shells. Sharp base - gradational top burrowed	
20		10Y 4/1						
30		30		3			18-36 - mud as above but with rare broken shells scattered. At 30cm dark grey vf - f sand filled burrows. Gradational base.	
		36						
40		10GY 4/1		4				
50							36-59 Muddy sand - sand grains micaceous v fine sand with light grey mud-infilled burrows extend downwards from top - burrows thin at base	
60		59				SS 65		
70							59 - 140 - Mud with a few percent micaceous very fine sand. Large shell - not certain what type at 135-137cm	
80		10Y 4/1		4				
90								
100							Rare broken shells including foraams. Numerous <3mm dark f sand filled dark grey burrows	
110							Sandy mud interbeds at 78-85cm, 94-99cm with sand up to fine size	
120								
130								
140		140						
150								

Mud	76%
Muddy Sand	22%
Sand	2%

Expedition 317 Canterbury Basin: M135S2 B 33H 5

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: 3 Dec
0								
10							Mud with a few percent micaceous v f sand	
20							Occasional dark gray sand infilled burrows < 1 cm diam throughout.	
30								
40							Rare forams throughout	
50				4			No shells	
60		10Y 4/1					Indistinct more clay-rich layers at 68-81 139-143	
70						SS 75		
80								
90			87				Mud = 100%	
100								
110								
120								
130								
140								
150		147						

Slight gas disturbance

Expedition 317 Canterbury Basin: U1352 B 33H 6

Site: Hole: Core: Section: Top Depth:

Major Lithology: Mud Minor Lithology:

ffset (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: 3 Dec
0							0-54 m	
10							Mud with a few % u/ Sand	
							Shell fragments broken + rare —	
20		10Y 4/1					occur at	
							27 + 48 cm	
30							Structureless	
40								
50		54					mud = 100%	
60								
70							Total for core.	
80							Sand = 14 cm = 3%	
90							Mud = 435 = 81%	
							Sandy mud = 84 = 16%	
100							533. 100%	
110								
120								
130								
140								
150								