Expedition 317 Canterbury Basin: U-1351 B

Site: 1351 Hole: B Core: 9 Section: 1 Top Depth: 57.20

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: JS Date: 20 Nov 09
0							v. fine micaceous sandy homogenous mud (Clayey silt?)	
10		10Y 4/1					Clayey beds 27-28cm 37-38cm	
20							Beds have diffuse contacts 51-52cm 67-69cm 102-103	
30								
40		10Y 4/1					123-127 134-136	
50							Sparse/rare shells (gastropods, bivalves)	
60								
70		N 4/1						
80								
90								
100								
110							80-94 cm fragments of microbio sphere sample bag along left edge of liner	
120		N 4/1		2		SS		
130		10Y 4/1						
140								
150								

Expedition 317 Canterbury Basin:

Major Lithology: Mud | Site: 1351 | Hole: B | Core: 9 | Section: 2 | Top Depth: 58.70 | 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: JJ Date: 20 Nov
0							Homogenous Mud (clayey silt?) 0-150 with	
10		10Y 4/1					Clayey beds at: 24-26 cm, 48-51, 90-91, 126-129	
20								
30		N 4/1					Beds have diffuse/gradational contacts; most are moderately bioturbated	
40		10Y 4/1						
50		N 4/1					Shell fragments at: 38-40 cm, 76-77 cm, 116-118 cm	
60								
70		10Y 4/1						
80						SS		
90								
100								
110								
120								
130		N 4/1						
140		10Y 4/1						
150	IW							

Expedition 317 Canterbury Basin:

Site: 1351 Hole: B Core: 9 Section: 3 Top Depth: 60.20

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: JJ Date: 20 Nov
0							Very fine micaceous sandy homogeneous mud with silty clay intervals	
10				2				
20				1			Clayey beds at: 6-7 cm, 15-18 cm, 73-92 cm, 97-107 cm, 110-120 cm	
30		10Y 4/1						
40								
50				3				
60							mottled 73-120 cm with N 4/1	
70								
80		N 4/1					Bivalve fragments 12-13 Gastropod 148 cm	
90								
100								
110								
120								
130		10Y 4/1						
0					8			

Expedition 317 Canterbury Basin:

Site: 1351 Hole: B Core: 9 Section: 4 Top Depth: 61.70

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: JJ, GB Date: 20 Nov
0							Homogenous mud 0-150	
10							v. fine mica sandy mud	
20							with clayey beds at 96-105	
30								
40		10Y 4/1						
50				4				
60								
70							Shell fragments at 113-115 146-147	
80				1				
90							Dispersed gastropods throughout	
100		N 4/1		1				
110								
120		10Y 4/1						
130				4				
140								
150								

Expedition 317 Canterbury Basin:

Site: 1351 Hole: B Core: 9 Section: 5 Top Depth: 63.20

Major Lithology: Mud Minor Lithology: clay

Core Int (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							V. fine sandy silty homogenous mud	
10							Clayeyer intervals at 10-13cm 65-76 cm 95-101 cm	
20								
30								
40		10Y 4/1						
50				4				
60							rare: broken shells throughout, including bivalves	
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin:

Site: 1351 Hole: B Core: 9 Section: 6 Top Depth: 64.70

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: JJ, GB Date: 20 Nov
0							v. fine micaceous sandy calcareous mud	
10				4				
20								
30					34			
40		104		3			55-60 abundant shell fragments otherwise rare shell fragments throughout. Mostly gastropods - turrietellids	
50		4/2						
60	55 60							
70						SS		
80								
90								
100							% lithology in core	
110							Sandy mud 93% mud 7%	
120		123 cm						
130								
140								
150								