Expedition 317 Canterbury Basin:

Site: U1351 Hole: A Core: 4 Section: 1 Top Depth: 18.2 mbsf

Major Lithology: SHELL Minor Lithology: MUD

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: CH & S. Date: 11-19-09
0								
10		5Y					0-45 cm COARSE (cm) SHELLS GRADING TO	
20		4/1		1		1AM 5	FINE - SHELLS ANEMISTY BROKEN - AN ANGLAR DIPPING CONTACT SEPARATES	
30							THE SHELL BED FROM	separating
40							THE MUD BENEATH -	
50							THIS BED OF SHELLS [COULD ALSO HAVE RESULTED FROM SANDS FALLING	
60							INTO HOLE]	
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1351 A 4 2 19.70

Site: Hole: Core: Section: Top Depth:

Major Lithology: MUD Minor Lithology: CLAY

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: CM ST Date: 11-19-09
0								
		5Y 4/1		1			FROM 0-26 HOMOGENEOUS MUD	
10								
							26-31 cm CLAY BED SHARP CONTACT AT TOP & GRADATIONAL AT BOTTOM -	
20								
30		5Y 5/1		3		S		
							31 TO 53 cm - THINLY INTERBEDDED CLAY & MUD - AT 42 cm SHELL FRAGMENTS	
40		5Y 4/1		1				
50						S		
60							FROM 53 TO 103 cm - CONTORTED BEDS FORMING RECUMBENT FOLDS - NOTED BY LITHOLOGY & COLOR VARIABILITY FROM MUD TO CLAY - 5Y 4/1 TO 5Y 5/1 AND SCATTERED SHELL FRAGMENTS AT 73 cm & 81 TO 83 cm 83 TO 93 cm & 98 cm -	
70		5Y 5/1		1				
80								
90								
100		5Y 4/1		1				
110								
120		5Y 4/1		1				
130						S	FROM 103 TO 109 cm CLAY BED - FROM 109 TO 150 MUD - ABUNDANT SHELLS 110-120 cm UP TO 3 cm LONG 120-128 COMMON SHELL FRAGMENTS	
140								
150								

- 143-144 SHELL FRAG. - 138-140 SHELLS (1 cm LONG)

Expedition 317 Canterbury Basin: U1351 A 4 3 227.0 m bsf

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: CM ST Date: 11-19-09
0							FROM 0-40 cm MUD	
10		5Y 4/1		1				
20								
30								
40		5Y 6/1					40-46 cm SHELLY MUD SHELL FRAG. < 1 cm	
50		5Y 4/1		1			46-51 cm MUD WITH ABUNDANT SHELL FRAGMENTS	
60		5Y 6/1					51-58 cm SHELLY MUD SHELL FRAG < 1 cm	
70		5Y 4/1		2		S	FROM 58-90 cm THINNLY INTERBEDDED MUD (CLAY & SILT) BEDS ARE 3 mm to 1 cm THICK. BEDS ARE SILTIER. SOME BEDS ARE NOT CONTINUOUS FORMING LENSES. SILTY BED CONTAINS SHELL FRAGMENTS WHILE CLAY DOESN'T.	
80								
90								
100		5Y 6/1		1				
110		5Y 4/1					FROM 90-120 cm. MUD. FROM 98-105 SHELL FRAGMENTS. ABUNDANT SHELL FRAGMENTS DECREASE UP CORE SHELL FRAGMENTS < 5 mm	
120								
130								
140								
150							112 - WATTER A SHELLS	

Expedition 317 Canterbury Basin: U1351 A 4 1 22.57

Site: Hole: Core: Section: Top Depth:

Major Lithology: slt Minor Lithology: vf sd

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: N. Murakoshi JJ Date: Nov 19
0								
10							common shell frag. heavy bio.	
20		gley1 5/10Y	no	4				
30							vf/cly vf sd, shell fragments shells, sharp lower boundary	
40		4Y5/1 gley1	no	4		§	slty vf sd, shell fragments common, mottled	
50		gley1 4/10Y	no	1	brachio		shell bed, mostly Tritella, mixed with clayey slt	
60								
70							vf sdy slt common shell frag. mottled burrows	
80		gley1 4/10Y	no	4				
90								
100								
110		gley1 5/10Y	no	4			slt (vf sdy-, clayey-) stiff (112-116cm) mottled rare shell frag.	
120								
130								
140								
150								

Expedition 317 Canterbury Basin:

Site: U1351 Hole: A Core: 4 Section: 5 Top Depth: 24.2

Major Lithology: md. 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: J.J. N. Mumkodi Date: Nov 19
0								
10								
		gley 4/5GY	no	3			~~sb~~ md, mottled (rare) clay rich,	
20							shell & shell fragments	
30					fossil/s gel.		30cm depth	
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: CC

Site: U1351 Hole: A Core: 4 Section: 6 Top Depth: 24.84

Major Lithology: slt Minor Lithology:

Core 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: M. Murakoshi J.J. Date: Nov. 19
0								
10		gray 1 4/5GY	no	3		S	vf sdy slt. rare shell frag. 0-17 depth	
20							shell fragments common 6cm bottom	
30	PAL							
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								