Expedition 317 Canterbury Basin: U1352 D 1H 1 0 – 3.6m

Site: Hole: Core: Section: Top Depth:

Major Lithology: Sandy mud Minor Lithology: Clay-rich mud

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, NM Date: 21 Dec
0		0					0 – 135 cm	
10								
20							up sorted, vf – fine (mostly fine) calc sandy mud. Abundant shells throughout especially between 60–80cm. – Cardita	
30								
40							Patches of ~~broken~~ shells in various places eg 93–96cm, 55–80cm and in top 5cm.	
50		10Y 4/1		4				
60							well rounded upper cvs sand dispersed through sediment in top 5cm. – appear to be Torlesse greywacke	
70							Abundant bivalves – Cardita, plus brachiopods, echinoid spines, gastropods.	
80					HOLOCENE			
90							From 128–135cm – poorly sorted, cvs U to vf sandy mud with abundant broken shell fragments. Terrigenous grains rounded to avg. – appear to be Torlesse Greywacke. Sharp irregular base over 2cm 134–136cm.	
100								
110								
120								
130		128					= Base Holocene bag deposit	
140		135					135–150cm vf sandy clay. Sparse shell fragments scattered. Tanaevea common.	
150		N5 150		3				

Expedition 317 Canterbury Basin: U1352D D 1H 2

Site: Hole: Core: Section: Top Depth:

Major Lithology: Clay-rich mud Minor Lithology: Sandy mud

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: 21 Dec GB, NM Date:
0							0-116 cm. Clay	
10							v f sandy clay, with abundant & scattered, Tawera	
20							valves throughout. eg at 50, 55-60cm, 90-100 cm	
30							Broken shell material distributed throughout	
40							Dark gray sand filled burrows	
50		N5		↑ 3 ↓			filled with v f to fine sand. Some of the Tawera have bored margins.	
60							116-120cm Sandy mud	
70							Gradational contact into a stiffer	
80							micaceous v f sandy mud with dark gray v f to fine sand	
90							filled burrows up to 5mm diam	
100								
110								
120		116 120						
130		5G 6/1						
140								
150								

Expedition 317 Canterbury Basin: U1352 D 1H 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: CJB, NM Date: 21 Dec
0		0					0-64 cm: Sandy mud	
10		10 12					Stiffer than overlying unit. Micaceous, v f sandy mud with dark gray v f to f sand filled burrows	
20		20		↑				
		25					At 10-12 cm, darker coloured N4	
30		5G 6/1		(2)			medium L to v f well sorted sand - probably Toulesse derived	
40				↓				
50							Numerous light-gray clay-rich layers at	
60		64					20-25 cm and numerous thinner clay layers <1cm thick between.	
0							27 - 50cm	
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 D 1H CC

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, NM Date: 21 Dec.
0		0					0-18 cm: Sandy mud	
10		5G 6/1		↑ (2) ↓			Micaceous, of sandy mud with, rare darker-colored sand filled burrow throughout.	
20	PAL	18 24					1cm thick dark-colored (N4) well sorted f- vf (mostly fine) sand bed at 9-10cm.	
30								
40								
50							% lithologies	
60							Sandy mud 221 = 62%	
70							Clay-rich mud 131 = 38%	
80							352 cm.	
90								
100								
110								
120								
130								
140								
150								