Expedition 317 Canterbury Basin: U1354 | A | 24 | 1 | 3.80

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

Major Lithology: mud | Minor Lithology: sandy 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: NM	Date: Dec 29
0		greenish gray 5GY 4/1		1			0–12 f–m sd, abundant shell fragmts, moderately sorted, + mud clast 3cm		
10		N5	soupy	(1)			8–12 shell bed: bivalves Tawera (max 4cm) shell fragmts		
20		greenish gray 10Y 5/1					12–13 f sdy mud (clayey), + <1mm shell fragmts		
30				(4)			13–25 mdy shell hash, shell fragmts (max 2cm) Tawera, Stirocolpus bivalve + gastropod		
40							25–130 mud, micaceous + rare shells clayey homogeneous shell fragmts burrows { dark spot < 2mm; vf sdy mud-filled 8mm, 40mm		
50									
60							42–43 Tawera fragment		
70							55–60 stirocolpus		
80							86 Tawera fragment 1.5cm		
90						88 55	103–110 shell lense stirocolpus		
100							('non'-calc sdy mud <10% carbon, mdy sd byss)		
110							108–120 shell lense stirocolpus		
120									
130									
150									

Expedition 317 Canterbury Basin: U1354 A 2H 2 5.30

Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: NM Date: Dec. 29
0		10Y 5/1		(4)	fu		0/10 mud (same as above)	
10							10/120 vf-f sdy mud, well-sort fines-up, mica, homogen. bottom; common shells	
20								
30							burrows 5mm ϕ filled with dark gray vf sd.	
40								
50								
60							10/50 rare shell fragments	
70		dark greenish gray					50/1/140 abundant common shells Stirocolpus scattered	
80		10Y 4/1		(3)				
90								
100								
110								
120							120/1/140 mdy vf-f sd, well-sort	
130								
140	X							
150								

Expedition 317 Canterbury Basin: U1354 (Site:) A (Hole:) 2H (Core:) 3 (Section:) 6.80 (Top Depth:)

Major Lithology: mud Minor Lithology: sandy mud

Logged by: NM Date: Dec 29

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
0							
10			soupy				
20							0 / 1 / 50 (same as above)
30		10Y 4/1					mdy vf-f sd (soupy) homogeneous micaceous well-sort
40							50 / 1 / 140
50							vf-f sdy mud (most vf in lower part) scattered common shell fragments homogeneous, micaceous
60				④	c-u		
70							
80							
90							burrows 92-93 15mm horizontal slight darker
100							100 / 107 burrows vertical 20mm slight darker
110							
120							124 / 123 burrow filled with shelly mdy f-m sd
130							
140							
150							

Expedition 317 Canterbury Basin: U1354 A 2H 4 8.30

Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: NM Date: Dec. 29
0							0	
10							1	
20							130 vf sdy mud micaceous homogeneous rare shell & shell fragmen. scattered	
30		10Y 4/1						
40					G		40 gastrop. Cominella.	
50			no	(3) (4)				
60								
70								
80								
90							94 shell fragmts	
100							bottom 30cm interval less sd amount	
110								
120								
130	X							
140								
150								

Expedition 317 Canterbury Basin: U1354 A 2H 5 9.80

Site: Hole: Core: Section: Top Depth:

Major Lithology: 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: NM Date: Dec. 29
0							0	
10							1 / 140 mud (silty) with a few vf sd. micaceous, homogeneous	
20							burrows	
30		10Y 4/1	no	(4)			dark spot; scattered rare shell fragm'ts	
40								
50							49/50 gastrop.	
60							95/100 clay-rich lenses (< 1cm)	
70							71-72 shell frag	
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1354 A 2H 6 11.30

Site: Hole: Core: Section: Top Depth:

Major Lithology: md Minor Lithology: sdy md

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: NM Date: Dec. 29
0							0	
							1 micaceous homogeneous	
		10Y					86 mud (slty) with a few vf sd	
10		~~5GY~~					rare shell fragments scattered	
		10/1						
20								
		4/1				SS	(calc. mud by SS)	
30								
			no	A			36 burrow filled with vf-f sdy mud	
							38	
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
0								
150								

Expedition 317 Canterbury Basin: U1354 A 2H CC 12.26

Site: Hole: Core: Section: Top Depth: 12.53

Major Lithology: 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: NM Date: Dec. 29
0							0	(same as above)
10			no	④			22	
20	PAL							
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
0								
150								

Total 802

sd	mud	shell	sdy mud	mdy sd
12(1)	1(1)	16(1)	120(2)	20(2)
	105			
	10(2)		90(3)	50(3)
	140(5)		130(4)	
	86(6)			
	22(cc			
12	364	16	340	70
1.5%	45.4%	2.0%	42.4%	8.7%