Expedition 317 Canterbury Basin: U1352 A 2H 1 4.20

Site: Hole: Core: Section: Top Depth:

Major Lithology:..... Minor Lithology:.....

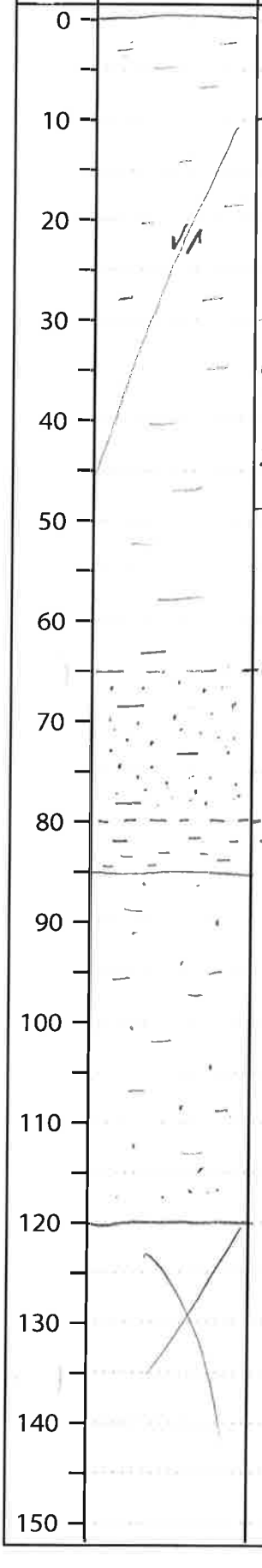
offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturb.	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: JJ/NM/GE Date: 30 Nov.
0							v fine sandy sticky micaceous clay. Fossils common + scattered Include bivalves (Taquera) calc worm tubes, bryozoa possible barnacle plates.	
10				↑				
20		N4/1		4				
30				↓				
40								
50								
60								
70		70						
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 | A | 2H | 2 | 5.70

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

Major Lithology: ..... 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: JJ/NM/GB Date: 30 Nov.



Non calcareous

0-65cm

Interbedded of sandy mud and clay
colour banded

Sandy mud: N4/1 v f micaceous sandy mud. Scattered rare shells broken
Forms beds up to 5cm thick
Sandy mud have sharp base

Clay: 6/1 sticky clay

Typically the sandy mud grades up into the clay. These form sandy mud / clay couplets ~~up~~ 1-5cm thick.
Gradational basal contact

65-80cm

well sorted micaceous
v fine to fine muddy sand with common scattered shells - Tawera common, + Turritellids + gastropod

80-85 - sticky clay slightly sandy (v.f. sand).

85-120 v fine to fine sandy mud / clay interbeds with rare scattered shells - bivalves + gastropods - including Tawera.

Expedition 317 Canterbury Basin: U1352 A 2H 3 220

Site: Hole: Core: Section: Top Depth:

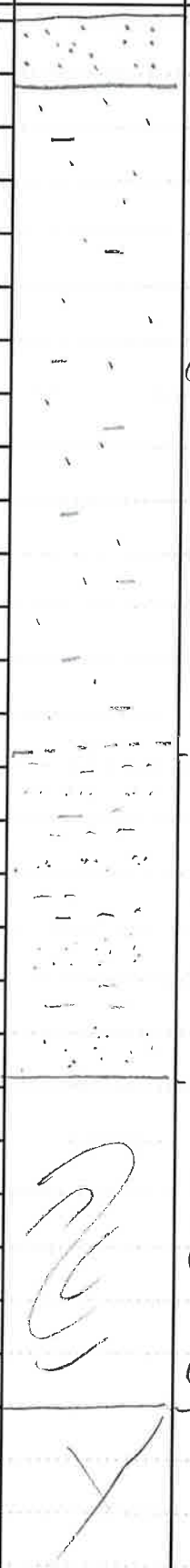
Major Lithology:..... Minor Lithology:.....

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: JJ/NH/CB Date: 30 Nov.
0							0-66cm. Interbedded v fine sandy mud, sand and clay Color banded	
10					↑F			
20							Sandy mud - form beds up to 3cm thick. ~~Micaceous well sort fine sand~~	
30		5GY 4/1		①	≡		clay - form beds up to 3cm thk	
40					↑F		Sand - form beds up to 1cm thk well sorted micaceous very fine - fine sand	
50								
60							No fossils.	
66								
70							Sand to sandy mud to clay prob represent thin turbidites 3-5cm thk	
80					80cm SS			
90				②			66-120. v fine sandy mud. Mostly structureless. Scattered broken shells scattered Taxera common at top + bottom Bryozoa fragments common between 84-108cm	
100								
110								
120		120						
130							3cm wide sand/shell filled burrow at 72-78cm	
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 2H | 4 | 8.70

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: JS/NM/GB. Date:
0		6		2			0-6cm - well sort v fine to med (mostly med) micaceous sand No shells. No structure	
10								
20		5GY 4/1 (muddy sand)					6-68 cm - interbedded muddy very fine sand and clay	
30				3			Muddy sand - up consist of very Sand. Sand colo	interbedded sd & clay ⇓ interbed. sd/mud
40		N6 (clay)						
50							Clay up 8 cm	
60							Mod bioturbation breaks up bedding. Probably turbidites.	
70		68			SS 70cm			
		N6 (clay)			↑F		68-99 - alternating sand-clay.	
80		10Y 3/1 (sand)					Sand - V well sort v fine to fine micaceous sand forming beds up 5-15cm thk. Graded beds. Sharp base	
90					SS 97cm		Clay - sticky clay	
100		99					Sand 10Y 3/1 : Clay N6 Nice turbidite complete up to 15cm thk Bioturbated tops to clays	
110		5GY 4/1 (sandy mud)					99-130 - intercalated sandy mud + clay Sandy mud - v fine sandy mud	
120		N6 (clay)					Clay - sticky clay Bivalves at base - Tawera Folded throughout	
130		130						
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 2H | 5 | 10.20

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

Major Lithology:..... 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: JT/NM/SE Date: 30 Nov.
0							0 - 86 cm Alternating sandy mud + clay. Colour banded. S.mud - very fine micaceous sandy mud forming beds up to 7cm thick. clay - sticky clay up to 5cm thk, slightly silty. No shells	
10		N6 (clay)		↑				
20								
30		5GY 4/1 (sandy mud)		1				
40								
50				↓				
60								
70								
80								
86							86 - 116 - interbedded sandy mud + clay. Sandy mud: v fine to fine micaceous sandy mud forming beds up to 5cm thk clay sticky clay, up to 8cm thk. Bioturbation destroys original bedding. 116-120 - well sorted v fine to fine micaceous sand. Poss turbidite.	
90		5GY 4/1 (sandy mud)		↑				
100				2				
110		N6 (clay)		↓				
116				1				
120		120						
130		N4						
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 2H | 6 | 11-70

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: JJ/NT/GB	Date: 30 Nov
0							0-71 Interbedded sandy mud + clay. Sandy mud - very fine to fine sandy mud forming beds up to 5-10cm thick. Clay - sticky clay. No shells.		
10									
20		5GY 4/1 (sandy mud)		(3)					
30									
40		N6 (clay)							
50									
60									
70		71.							
80									
90									
100									
110									
120									
130									
140									
150									

Expedition 317 Canterbury Basin: U1352 | B | 2H | 7 | 12.70

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: JJ/ NM/GE Date: 30 Nov.
0							0-66 Interbedded sandy mud + clay. Sandy mud. very fine to fine sandy mud forming beds 5-15cm tk. Clay sticky clay. up to 8cm tk. Rare shells scattered. - bivalve. Bioturbation destroys a lot of the bedding. Likely burrowing.	
10								
20		5GY	↑					
30		4/1 (sandy mud)	3					
40		N6 (clay)	↓					
50								
60								
70		66						
80								
90								
100								
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 | B | 2H | ce | 13.45-13.72

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

Major Lithology:..... Minor Lithology:.....

↑set (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/GB/JJ Date: 30 Nov
0		N6 (clay) 5GY 4/1 (sandy mud)		↑ (3) ↓			0-21 - Interbedded very fine to fine micaceous sandy mud forming beds up to 3cm thick. Clay sticky clay forming beds up to 5cm thick. Scattered shell fragments including Tawaea.	
10								
20		21						
	PAL							
		27						
30								
40								
50								
60								
70							Percentage lithology	
80								
90							clay 342 cm 52% Sandy mud 309 cm 47% sand 12 cm 1% 663 cm	
100								
110								
120								
130								
140								
150								