

Expedition 317 Canterbury Basin: U1352 C 86R 1 1351.7 - 1361.4 m

Major Lithology: Sandy mudstone Site: Hole: Core: Section: Top Depth: Sandstone
 Minor Lithology: Sandy mudstone

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: Date: <u>RF 12 Dec</u>
0		140 N4		↑			0-5cm - lithology ① dark grey v f s mudstone with a <1cm thick v f mud well set sst at base. Basal sand seems to be a separate bed.	
10		107 5/1		④			5-16cm - lithology ② v f - fine (mostly v f) sandy mudstone with wavy bedding. Rare white ? shells at 6 + 14 cm. Gradational base	
20		16 17 N4		②			16-17cm - lithology ① with bioturbated sst at base.	
30		107 5/1		③			17-28cm - lithology ②. Zoophycos burrows common. Ripple lamination at 19cm.	
40		28 30 N4		①			28-30cm - lithology ③. Planar laminated v f to fine (mostly fine) sst	
50		107 5/1					30cm - 138cm - lithology ②. Wavy bedding throughout. Numerous <1cm diam v f - fine (mostly f) sst-filled burrows throughout. White blebs - possibly shells at 64, 74-76 + 114 cm. <i>Terebellina</i> burrows common. Gradational base	
60							138-144cm - lithology ① with nice <i>Pleurostichus</i> burrows. Sharp base.	
70				↑			144-145cm - lithology ③. v f to fine sandstone.	
80				③				
90				↓				
100								
110								
120								
130								
140		1358 N4 144 145		③				
150				①				

Major Lithology: Sandy marlstone Site: _____ Hole: _____ Core: _____ Section: mudstone Top Depth: _____
 Minor Lithology: Sandy

Coreset (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					~			GS
10						SS	0-140 cm Sandy marlstone. med sorted, v f sandy marlstone. Wavy bedding throughout. <i>Terebellina</i> Zoophycos / common. Numerous light greenish blue v f to r sand-filled burrows throughout < 1cm diameter. 'Blebs' of ? shells at 42 cm.	12 Dec
20				↑				
30				(3)				
40				↓				
50		10Y 5/1			~			
60								
70								
80								
90								
100								
110					~			
120								
130								
140		140					140-145cm v f sandy mudstone with < 1cm diam, v f sand-filled burrows. Bioturbated contact.	
145		145	N4					
150								

Major Lithology: Sandy Marlstone Site: _____ Hole: _____ Core: _____ Section: Marlstone Top Depth: _____
 Minor Lithology: Sandy Marlstone

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: Date: GB R Dec
0	①	10y 5 4/1		②		SS	Lithology ① 0-5cm dark gray, vf sandy mudstone with a 1cm thick f-vf med sorted sandstone at base.	GB
10	②	10y 5/1		③				
13	①	10y 13 4/1		②			Lithology ② 5-13cm light green, med sorted vf to f (mostly vf) sandy marlstone with pale green f sand-filled burrows Burrowed base	
18	②	10y 18 4/1		↑				
20							13-18cm - lithology ①, with 1cm thick med sorted vf - med (mostly f) sst at base.	
30								
40		10y 5/1		②			18-74cm - lithology ②, med sorted, vf to f (mostly vf) sandy marlstone with heavy bedding, defined by light brown vf sandy mudstone laminae < 5mm thick. Numerous < 1.5cm diam vf to fine (mostly f) sand-filled burrows throughout.	
50				↓				
60							74-150cm - lithology ②, med sorted, vf to f (mostly vf) sandy marlstone with heavy bedding, defined by light brown vf sandy mudstone laminae < 5mm thick. Numerous < 1.5cm diam vf to fine (mostly f) sand-filled burrows throughout.	
70								
74		74						
80								
90								
100								
110								
120								
130								
140								
150								

% lithology
 Mudstone 26cm = 7%
 Marlstone 333cm = 92%
 Sandstone 5cm = 1%
 364cm 100%