

Major Lithology: Sandy Marlstone Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_  
 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: NM, GS	Date: 11 Dec
0				↑			0-29cm calcareous sandy marlstone (top) to moderately sorted to poorly sorted, v f to evs calc muddy sst (at base) grading upward into a well srt calcareous muddy sst at top. Numerous broken shells in lower 2cm. POSSIBLE U 8 surface. Possible injection structure of sst into underlying.		muddy sst (base)
10		10Y 5/1		④ ↓					
20									
29		29							
33		33 ↑		↑					
40		10Y 4/1		②	dark lithol.				
50				↓					
60									
70									
80									
85		85		④					
89		89 ↑		①					
95		N5							
100									
110			Fractured						
120		120							
130									
132		132 ↑							
140		10Y 4/1		↓					
150		150		③					

19 F ↑

29 SS

44 - SS

100 SS

146

29-85 - well sorted v f sandy marlstone. Generally not intensely bioturbated - more bioturbated zones at 44-46, 61-62 which are also darker colored - more clay rich. Dark layers are N4.

85-89 - mod srt v f (mostly v f) sandier + more bioturbated sandy marlstone.

89-132 - well sorted, finely laminated v f / muddy sandstone with darker < 5mm thick mud layers. Ripple laminae between 100-105cm.

120-132 - well sorted v f // laminated muddy sandstone, Gradational base.

132-150 - homogeneous, micaceous, v f sandy marlstone. Burrows in basal 3cm. Ripple laminae between 129-133cm.

Expedition 317 Canterbury Basin:

U1352 c

61R

2

Major Lithology: Sandy Marlstone Site: Hole: Core: Section: Top Depth: 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: Date:
0		0					0-150cm Sandy marlstone  not sorted, w/ sandy marlstone. Darker bands at 17-18 + 81-82cm Less bioturbated than surrounding. Bioturbated throughout. Palesophycos Planolites  No shells.	NM/GB 11 Dec
10								
20								
30				↑				
40		10Y 4/1		④				
50				↓				
60								
70								
80								
90				—				
100				↑				
110				⑤				
120				↓				
130								
140								
150								

Expedition 317 Canterbury Basin: 01352 C 61R 3

Major Lithology: Sandy Marlstone Site: Hole: Core: Section: Top Depth: 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: <u>NM/GE</u> Date: <u>11 Dec</u>
0				(4)	0			
10					4		0-150cm.	
20				↑			was sorted, v f micaceous sandy marlstone	
30							Darker colored less bioturbated muddy bands at	
40		10Y		(3)			32-34cm	
50		4/1		↓			82-83cm	
60							Bioturbated throughout	
70							Stalicia burrows between	
80							37-42cm.	
90				(5)	85		Charadriites	
100					95		Zoophycos.	
110				↑				
120				(3)				
130				↓				
140								
150		15D						

Expedition 317 Canterbury Basin: U1352 C 61R 4

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: NR/AB	Date: 11 Dec
0		0							
10							0-150cm Sandy mudstone.		
20							med sorted, w f micaceous.		
30							Bioturbated throughout.		
40							Chondrites, Actinoptosis		
50							Dark gray color burrows at 14-20cm.		
60		104 5/1		↑ 5 ↓			No shells.		
70									
80									
90									
100									
110									
120									
130									
140									
150		150							

Expedition 317 Canterbury Basin: U1352 C 61R 5

Major Lithology: Sandy marlstone Site: \_\_\_\_\_ Hole: \_\_\_\_\_ Core: \_\_\_\_\_ Section: \_\_\_\_\_ Top Depth: \_\_\_\_\_  
 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: NA/GB	Date: 11 Dec.
0		0					<p>0-150 cm Sandy marlstone            mod sorted, micaceous, w f sandy marlstone. Scattered rare shells at 33 + 51</p> <p>Bioturbated throughout.            Helminthopsis, Chondrites, Calassimoides, Planolites.</p>	NA/GB	11 Dec.
10									
20									
30									
40									
50		10Y		↑					
60		5/1		(4)					
70									
80									
90									
100									
110									
120									
130									
140									
150		50							

