

Expedition 317 Canterbury Basin:

U1352 C B6R 1 1812.70

Major Lithology: Silty/Sandy Limestone Site: Hole: Core: Section: Top Depth: Minor Lithology: Calcareous Sandstone

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							<p>Mostly Lithotype 1 intercalated with Lithotype 2</p> <p>Thicker Lithotype 2 layers at: 13-14, 28-29, 45-46, 59-60, 70-71, 109-112 cm</p> <p>There are two distinct lithologies within this core:</p> <p>Lithotype 1: The most common lithology is a light gray (N6 to N 7, mostly N6) moderately sorted slightly glauconitic with trace mica silty to vf sandy limestone. Some intervals have higher glauconite content (e.g. Sect. 2, 20-23 cm) and rare carbonaceous blebs. This lithology tends to have sharp upper and lower contacts. It ranges from faintly laminated to heavily bioturbated (ichnofabric index of 3-4) with light tan colored v.f. muddy sand filled burrows. Burrows range in size from mm (e.g. Sect. 3, 47 cm) to several cm (Sect. 2, 104 cm).</p> <p>Lithotype 2: The second most common lithology is a very dark greenish gray (10Y 3/1) well sorted v.f. to f (mostly v.f.) massive to finely horizontally laminated glauconitic calcareous sandstone. Typically forms laminations and beds up to 2 cm thick with sharp contacts. The ichnofabric index is 1. These beds are both conformable with the limestone sedimentary fabric but also can cross-cut existing fabric and burrows (e.g. Sect. 1, 53 cm). These layers can bifurcate or have thin layers/stringers that originate off thicker ones. Sandstone layers are less common and thinner in bioturbated limestone intervals (e.g., Sect. 5, 8-60 cm) and more common in planar laminated sections (e.g. Sect. 4, 80-143 cm).</p>	5J/6B 12/18
10				4				
20								
30								
35						37		
40				3				
50						51 53		
60								
70				3				
75				1		77		
80								
90								
100				4				
110								
120								
130								
140								
150								

Expedition 317 Canterbury Basin:

Site: V1352 C Hole: 136R Core: Z Section: 1814.12
 Top Depth:

Major Lithology:

Minor Lithology:

Onset (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							Similar to sec 1, dominated by Lithotype 1, but more glauconitic Undulose contact, evidence of loading at base (in situ, primary dep feature) ripple x-lam 0-10 cm Section 26-93 cm burrows Thicker type 2 at: 13-16, 19-20	SS/GB 12/18
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

pieces

4

77

3

95

4

Expedition 317 Canterbury Basin:

U1352 C BCR 4 1817.09

Major Lithology: Silty/Sandy Limestone Site: Hole: Core: Section: Top Depth:
 Minor Lithology: Calcareous Sandstone

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							Mostly Lithotype 1, but less glauconitic and less bioturbated	JS/OB 12/18
10								
20							Fairly horizontal laminations / Layered: c. 48 cm 68-150 cm	
30								
40				2			Thicker slays: 16-17, 26-27, 43-44 47-48, 68-69, 83-84 101-105, 118-119, 142-143 147-148	
50								
60							36-50 cm: can form with SS layers cross-cutting at: 90-100 cm; 135-150 cm	
70					68			
80				3				
90								
100					94			
110				2				
120								
130								
140								
150								

Expedition 317 Canterbury Basin: U1352 C 136R S 1818.59

Major Lithology: Silty/Sandy limestone Site: Hole: Core: Section: Top Depth: Minor Lithology: Calcareous Sandstone

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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150				<p>2</p> <p>4</p>	<p>5</p>		<p>Mostly Litho type 1, thin silty ss layers are < 5 mm thick</p> <p>Thick glau. SS: 5-7 cm</p>	<p>JJ/SB 12/18</p>

