

Expedition 317 Canterbury Basin: U1352 A 3H 1 13.70

Major Lithology: VF-F Sand Site: Hole: Core: Section: Top Depth: Minor Lithology:

fset (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							JS 11/30/09
10						well sorted VF-fine massive sand mica is not obvious	
20						Clay smearing from 25-43cm is boring artifact	
30		N4				greenish fluid at 42cm is from microbiology microscope experiment.	
40						Unclear if sand is evenly as some material is found in burrow @ 30cm section?	
50							
60							
70							
80						100% sand	
90							
100							
110							
120							
130							
140							
150							



Expedition 317 Canterbury Basin:

Site: 01352 A Hole: 3H Core: 3 Section: 16.70 Top Depth:

Major Lithology:

Minor Lithology:

Fset (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							Color-banded mud to sandy mud	SS 11/30/09
10	FA 11						Same as section 2 w.r.t. layer thickness and layer contacts	
20	FA 16 FA 19							
30								
40	FA 33-36						0-66 clay-rich mud 66-120 Sandy mud	
50		48 NS		3			Finely-upward, v.f.-f well sorted sand beds ~1-3cm thick;	
60		(NG clay)					beds at 11, 16, 19 cm are v.f. sand beds at 36, 67, 82 are f.v.f. sand	
70	FA 67							
80	FA 82-85							
90								
100							Thalassinoides @ 48-50 cm, same fill as sect. 2	
110							Cnodontes dispersed throughout section, same fill as in section 2	
120								
130								
140							73 to Sandy mud 25% Clay 2% Sand	
150								

Major Lithology: Sandy mud Site: Hole: Core: Section: Top Depth: Minor Lithology: Clay

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							<p>Same as section 3, color bandy harder to see because of gas cracks 0-50 more mottled</p> <p>Sandy mud composed of vf, well sorted sand</p> <p>NS</p> <p>(N6 clay)</p> <p>N4 Gray mottle at 60-62 cm</p> <p>gas cracking is present</p> <p>Sy S/1 Calcareous blebs at 72-73cm</p> <p>Same type of concretions as in sections 2, 3</p> <p>5% sand 15% clay 80% Sandy mud</p>	
10								
20								
30								
40								
50								
60								
64								
70								
85								
90								
105								
110								
120								
130								
140								
150								

Major Lithology: Sandy mud Site: Hole: Core: Section: Top Depth:  
 Minor Lithology: Clay

Offset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturbance	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: Date:
0								SS 11/30/09
0-57							Mottled slightly sandy mud	
57-127							color banding as in sections 2-4	
48-57cm							more clay rich interval	
30-40				3				
40-50		W (clay NG)						
50-60			gas cracks					
60-70							VF well sorted, graded sand 110-111cm	
70-80							well sorted VF graded quartzes sand, sharp base gradational top, 1cm-diameter siltstone clast at 69 cm in working half, color of sands in 56Y 4/1	
80-90								
90-100								
100-110				2				
110-120								
120-130								
130-140								
140-150								

condrites common 0-60 cm  
 rare 80-120 cm

Sand 20%  
 Clay 15%  
 Sandy mud 83%



Expedition 317 Canterbury Basin:

Site: U1352 A 34 7 Hole: 22.20 Core: Section: Top Depth:

Major Lithology: Mud

Minor Lithology: Sandy mud

fset (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								JS 11/20/09
10							Mottled to faintly color banded interbedded clay to sandy mud. Sand component is same as in previous sections of sandy mud	
20	mud						0-32 cm mud / clay	
30		NS	gss				32-58 cm Sandy mud / clay	
40	Sandy mud			3			<1cm Sand lamina @ 5 cm	
50							rare broken shells (56 cm)	
60								
70							rare conditions throughout	
80								
90								
100								
110								
120								
130							2% Sand	
140							5% clay	
150							48% Sandy mud	
150							53% mud	

Expedition 317 Canterbury Basin:

U1352

A

3H

CC

22.87-23.15

Site:

Hole:

Core:

Section:

Top Depth:

Major Lithology:

Sandy Mud

Minor Lithology:

Clay

fset (cm)	Lithology (graphic) Sed. Structures	Colour	Drilling disturbs	Trace F. Bioturb.	Accessories: Mineral, fossils Misc structures Glauconite %	Samples	Core Description, comments, boundary type, other	Logged by: Date:
0		1		1				JS 11/30/09
10		NS	g+s	3			Mottled to faint color banding v. fine sandy mud	
20	PAL							
30							Sparse condrites throughout	
40								
50								
60								
70								
80							5% clay 95% sandy mud	
90								
100								
110								
120								
130								
140								
150								

Total Lithology Sums

Sandy mud	68%
Clay	15%
Sand	12%
Mud	4%