

Expedition 317 Canterbury Basin: M1353 B 28H 1 149.4 - 153.00

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: Date:
0								GB 24 Dec
10							0-97 cm.	
20							Shell hash with gulle clasts - angular to rounded, up to small pebble size - 1 cm	
30							Shells dominated by broken bivalves together with gastropods and echinoid spines.	
40								
50							likely represent flow in	
60								
70								
80								
90							97-129 cm	
100		97					calcareous mud with abundant broken shells. A small percentage of v f sand. Shells include broken bivalves + echinoid spines.	
110		10G7 4/1						
120								
130		129					129-150 -	
140		5G4 4/1					moderately sorted fossiliferous sand. Sand is v f - med (mostly f). Shells scattered throughout. No obvious structure	
150								

Beclipectenus woodroffii?
+ bivalve plates

Expedition 317 Canterbury Basin:

U1353

B

28H

2

150.90

Site:

Hole:

Core:

Section:

Top Depth:

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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							0-46cm	G&S 24 Dec
10							moderately sorted, v.f. med (mostly f) shelly sandy mud. Finest upward. Shells scattered throughout. Sharp basal contact - 2cm relief. - bioturbated down to 66cm.	
20		5G/4/1		↑			46-48 - clay - 5G/4/1. Sharp top. May represent surface U10, or U12.	
30				①			48-72 cm	
40				↑			v.f. sandy mud with abundant large burrows (up to 3cm dia) throughout filled with sandy mud from above. Sharp ining base.	
50		46cm 5G/4/1		②			72-77cm clay. sharp base.	
60		10G/4/1		③			77-80 - v.f. sandy mud as above	
70		72		④			90-84 - clay as above. Burrowed.	
80		77		⑤			84-87 - v.f. sandy mud	
90		84		⑥			87-94 - clay as above	
100		87		⑦			94-96 - sandy mud as above. Sharp base.	
110		94		⑧			96-100 - clay as above.	
120		96		⑨			100-103 - v.f. sandy mud as above.	
130		100		⑩			103-110 - clay	
140		103						
150		110						

Expedition 317 Canterbury Basin:

Site: 41353 B Hole: 28H Core: 3 Section: 152 W 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: Date: GB 24 Dec																											
0		①		↑			<p>3 lithotypes</p> <p>① clay with quartzitoid bases - 5G 4/1. Nanno say it's cold</p> <p>② 100% 3/1 well sorted of to fine (mostly v f) muddy sand. - nannos say slightly warmer temp</p> <p>① + ② could be turbidite pulses</p> <p>② generally has a sharp base</p> <p>③ highly micaceous of to fine (mostly v f) sand. Sharp based 5G 4/1</p> <p>Lower - most unit appears somewhat fluidised</p> <p>Unit ① between 22-51 cm contains abundant dk gray sand-filled burrows and rare shells.</p> <p>Lithology %</p> <table border="1"> <thead> <tr> <th></th> <th>cm</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Sand.</td> <td>18</td> <td>5</td> </tr> <tr> <td>muddy sand.</td> <td>10</td> <td>3</td> </tr> <tr> <td>clay</td> <td>76</td> <td>22</td> </tr> <tr> <td>sandy mud</td> <td>77</td> <td>22</td> </tr> <tr> <td>mud</td> <td>32</td> <td>9</td> </tr> <tr> <td>shell hash</td> <td>97</td> <td>28</td> </tr> <tr> <td>Sandy mud</td> <td>35</td> <td>11</td> </tr> <tr> <td></td> <td><u>345</u></td> <td><u>100%</u></td> </tr> </tbody> </table>		cm	%	Sand.	18	5	muddy sand.	10	3	clay	76	22	sandy mud	77	22	mud	32	9	shell hash	97	28	Sandy mud	35	11		<u>345</u>	<u>100%</u>	
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bioturbated throughout

fluidised

glacial mud