


# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	1	H	1


Date	Time	Observers
25/12014	14:45	JBJ/SCT

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160												
									5Y 5/2I		Z Z	OLIVE GRAY, LAMINATED 0.5-1cm <del>mm</del> SIZE LAMINA, VERY WELL SORTED, UPPER 18cm HEAVILY DISTURBED, REST SLIGHTLY DISTURBED, SILTY-CLAY, INTERLAMINATED WITH, VERY FINE SAND, MM-CM SIZE LAMINA OF SAND

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 1	Type H	Section 2
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Date 2/1/2014	Time 15:55	Observers JBJ/SCJ
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Accessories	Core Disturbance	Description
				w	m	vp	bl	r			
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160											
											OLIVE GRAY, LAMINATED MM TO 1 CM SIZE LAMINA, VERY WELL SORTED, SLIGHTLY DISTURBED SILTY-CLAY, INTERLAMINATED WITH VERY FINE SAND MM TO 0.5 CM SIZE LAMINA OF SAND

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	1	H	3

Date	Time	Observers
25/4/2014	16:05	JBT/SCJ

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160					5Y 5/1			OLIVE GRAY, LAMINATED MM TO 1CM SIZE LAMINA VERY WELL SORTED SLIGHTLY DISTURBED SILTY-CLAY, INTERLAMINATED WITH VERY FINE SAND MM TO 0.5CM SIZE LAMINA OF SAND.



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	2	H	2

Date	Time	Observers
25/1		SCJ

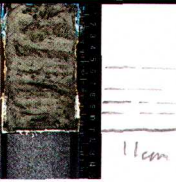
[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0												<p>Gray-green (5Y4/1) f. grained, well sorted clay. v. finely laminated</p> <p>@ 90cm groove from splitting @ ~90cm mm scale fine grained sandy interbeds occur at cm scale spacings. Sandy intervals 5Y/T/3</p> <p>*Thickness variations in sandy interbeds</p>
10												
20												
30												
40												
50												
60												
70												
80												
90												
100												
110												
120												
130												
140												
150												
160												



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 2	Type H	Section CC
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Date 25/1	Time	Observers SCT
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting w m vp bl r a	Round-ness	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160							mod	Mod. disturbed surface some visible cm-scale lam. Gray well sorted clay





# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	3	H	2


Date	Time	Observers
25/12014	17:25	JBJ/SCJ

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness						Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a				
0									5Y 5/1		<div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div>	<p>GRAY, CLAY, 2-10 CM THICK LAMINA, INTERLAMINATED BY MM SIZE BUNDLES OF CLAY AND SILT LAMINA, MODERATELY DISTURBED, VERY WELL SORTED</p>	
10													
20													
30													
40													
50													
60													
70													
80													
90													
100													
110													
120													
130													
140													
150													
160													

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 3	Type H	Section 3
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Date 25/4 2014	Time 17:35	Observers JBJ/SCT
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160					5Y 5/1		1 1	GRAY, CLAY, CM SIZE THICK LAMINA, INTERLAYERED BY CLAY AND SILT LAMINA BUNDLES, MM SIZE, MODERATELY DISTURBED - TO HEAVILY DISTURBED, VERY WELL SORTED.

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 3	Type H	Section CC
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Date 25/1 2014	Time 17:35	Observers JBJ/SCJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
			w	m	vp	bl	r				
<div style="display: flex; align-items: center;">  <div style="display: flex; flex-direction: column; justify-content: space-between; width: 100%;"> <span>0</span> <span>10</span> <span>20</span> <span>30</span> <span>40</span> <span>50</span> <span>60</span> <span>70</span> <span>80</span> <span>90</span> <span>100</span> <span>110</span> <span>120</span> <span>130</span> <span>140</span> <span>150</span> <span>160</span> </div> </div>							54 5/1			1 1	GRAY, CLAY, CM SIZE THICK LAMINA, INTERLAMINATED BY MM SIZE BUNDLES OF CLAY AND SILT LAMINA, MODERATELY DISTURBED.



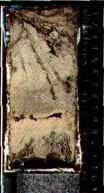




# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 4	Type H	Section CC
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Date 25/1	Time	Observers SCJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Round- ness <small>w m vp bl r a</small>	Color	Access ories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160		SS				mod	

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 5	Type H	Section 1
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Date 25/1 2014	Time 18:45	Observers JBS/SCJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
			w	m	vp	bl	r				
0											GRAYISH BROWN, CLAY, HEAVILY DISTURBED
10											UPPERMOST 24 CM, LAMINATED
20											VERY WELL SORTED
30											FROM 24 CM DOWNWARDS IN GENERAL MODERATELY DISTURBED,
40											GRAYISH BROWN AND GRAY LAMINA 1-10 CM SIZE
50											FEW SILT LAMINA MM SIZE
60											82-107 cm CONTORTED
70											MAY BE PRIMARY STRUCTURES
80											
90											
100											
110											
120											
130											
140											
150											
160											

5Y  
5/2  
  
5Y  
5/2  
  
5Y  
  
5Y  
5/1

Z  
Z  
  
|  
|  
  
  
  
  
Z  
  
|  
|  
  
Z

VERY WELL SORTED

FROM 24 CM DOWNWARDS IN GENERAL MODERATELY DISTURBED, GRAYISH BROWN AND GRAY LAMINA 1-10 CM SIZE FEW SILT LAMINA MM SIZE

82-107 cm CONTORTED MAY BE PRIMARY STRUCTURES

HEAVILY DISTURBED



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 5	Type H	Section 2
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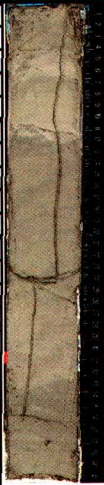
Date 25/1/2014	Time 14:00	Observers JBJ/SCJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Round-ness							Color	Access ories	Core Disturbance	Description
			w	m	vp	bl	r	a					
0										5Y			GRAY, CLAY, LAMINATED
10										5/1			MODERATELY TO HEAVILY DISTURBED
20										5Y			UPPERMOST 20 CM FEW SILT LAMINA
30										5/2			84-96 cm CLAY/SILT WITH DISPERSED CLASTS
40													PEBBLES 3CM < 1%
50													131-143 cm CLAY/SILT WITH DISPERSED CLASTS
60													PEBBLES 3CM < 1%
70													INTERVAL 96 CM - 131 CONTORTED
80													PEBBLES 3
90													PEBBLES 2
100													
110													
120													
130													PEBBLES 3
140													PEBBLES 1
150													
160													

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 5	Type H	Section 3
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Date 25/12/14	Time 19:25	Observers JBS/SCT
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160									5Y 5/2			GRAYISH BROWN, LAMINATED, MODERATELY DISTURBED, CLAY, TO HEAVILY DISTURBED,



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 6	Type H	Section 1
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Date 25/1/14	Time	Observers SCJ/JBS
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness <small>w m vp bl r a</small>	Color	Accessories	Core Disturbance	Description	
0				2.5Y S/1			Heavily water-logged and distorted.	
10							Cray, fine grained, well sorted clay. No signs of bioturbation.	
20								
30							mod. Lots of scour marks from split across the core surface, particularly at edge.	
40								
50								
60								
70			~					cm-scale wavy to distorted laminations
80			~					Laminations (cm scale) expressed as colour changes. Appear effected by soft sed def.
90			~					
100			~					
110								
120								
130								
140							mod	Scouring in basal 10cm.
150								
160								



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 6	Type H	Section 3
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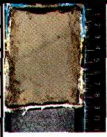


Date 25/1	Time	Observers SCJ/JBJ
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160			SS						2.5Y 5/1		Slight	Grey fine grained, well sorted with discrete cm scale distorted laminations  Possible loading structures/fluid escape SS.D.  mod Lower most 10cm - heavily scoured surface.
	46cm end 6.											

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	6	H	CC

Date	Time	Observers
25/1		SCT/JBT

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
				w m vp bl r a					
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160						2.5Y 5/1		Slight	F. graded, gray, w. sorted clay, mm scale darker, angular laminae with green color = glauconitic? Slight core disturbance around edge.

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 7	Type H	Section 1
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Date 25/1/2014	Time 20:10	Observers JBT/SCS
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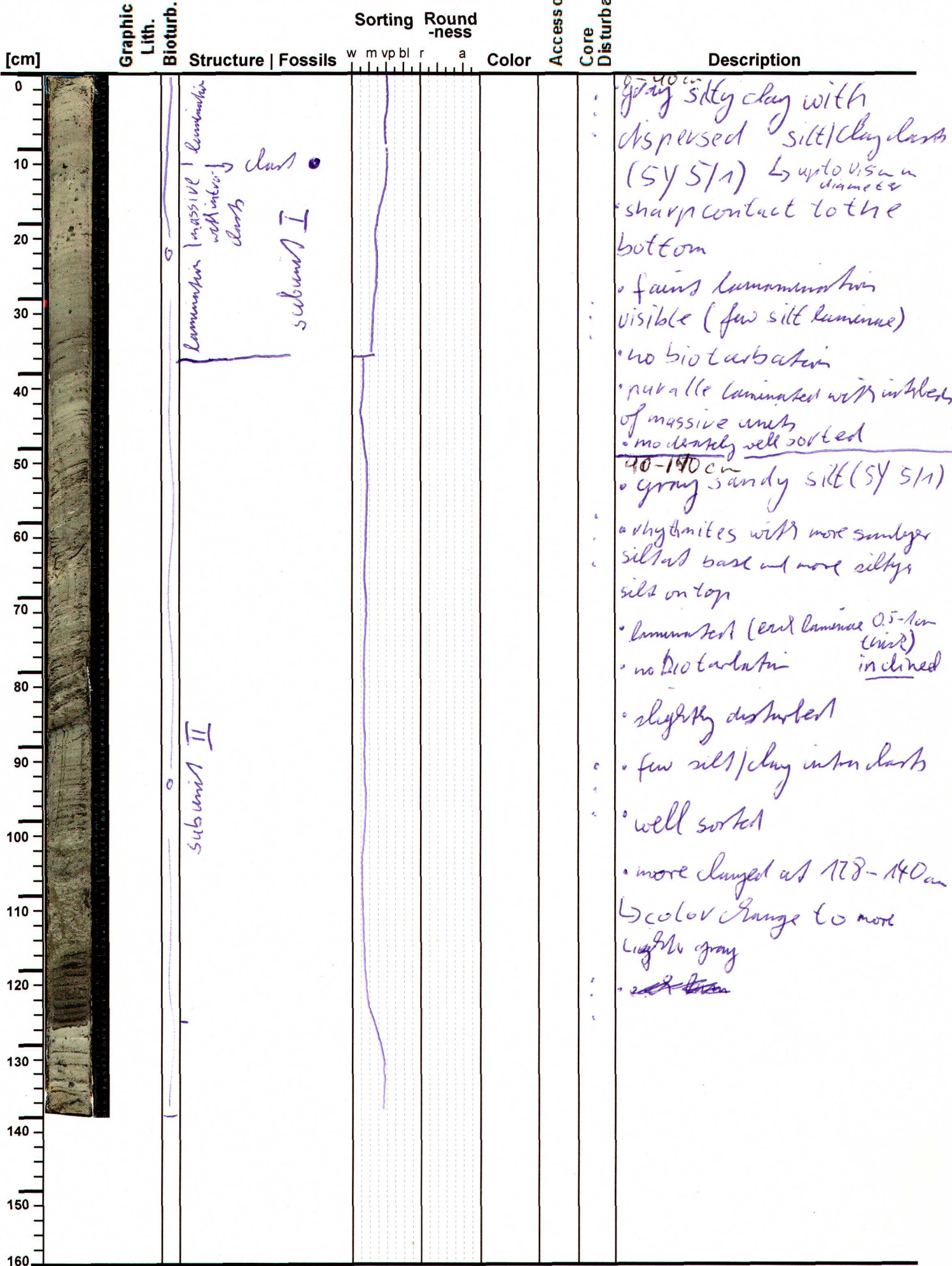
[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0				5/4			<p>GRAY CLAY, LAMINATED, WEAK LAYERING, HORIZONS WITH DISPERSED CLASTS, 40-50cm ONE CLAST 2cm, 85cm, 93-100cm, FROM 134-150 LAMINA WITH DISPERSED SEDIMENT CLASTS CLAY, MODERATELY DISTURBED</p> <p>GRAINS = <del>PALAEOZOIC LIMESTONE</del> FLINT, LIMESTONE, CRYSTALLINE.</p> <p>2cm dark clast found @ 55cm in working core. (sampled)</p>
10				5/1			
20							
30							
40		PEBBLES 2					
50							
60							
70							
80		PEBBLE 5					
90		PEBBLES 5					
100							
110							
120							
130							
140		SEDIMENT CLASTS					
150							
160							



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 7	Type H	Section 2
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Date 26.01.14	Time 09:00	Observers MK/SP
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# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 7	Type H	Section CC
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Date 2001.14	Time 09:35	Observers MK/JSP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
				w m vp bl r a					
0			↑ ↑ ↑ ↑ ↑						<ul style="list-style-type: none"> <li>• gray sandy silt (S<sub>g</sub>S<sub>1</sub>)</li> <li>• well laminated sandy silt</li> <li>• laminae thickness ~ 1cm</li> <li>• coarsening upward in each lamina</li> <li>• reddish clayey silt to sandy silt.</li> <li>• slightly disturbed</li> <li>• rhythmites</li> <li>• no clasts</li> </ul>
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 8	Type H	Section 1
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Date 26.01.14	Time 9:50	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
0										gray (SY S11) clayey silty clay
10										well laminated clayey silt and more silty laminar
20										between 0-26 cm silty sandy silt (also laminated)
30										no visible bioturbation
40										each laminae up to 1cm thick (0.2-1.0cm)
50										well sorted
60										sharp contact at the bottom
70										→ 133 cm
80										inclined laminae 67-116cm
90										erosional contact 67cm, 26cm, few sand laminae 98cm
100										→ 116cm, 125cm
110										<u>subunit II 133-137</u>
120										gray silty sand (SY S11)
130									medium sand with silt	
140									also few silty clay parts	
150									moderately disturbed	
160									→ syringe mark at bottom	
										white grains → calcareous material?



# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 10	Type X	Section 1
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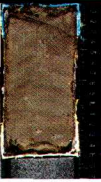
Date 1/26/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description		
					w	m	vp	bl	r					a	
0				<ul style="list-style-type: none"> <li>● 5</li> <li>● 12</li> <li>● 24-27</li> </ul>									<p>0-34 cm: Dark grayish brown (2.5 Y 4/2) moderately sorted medium-very coarse gravelly sand with clay interbed at 12-19 cm (sandy silty clay); gravel content increases downward. Core is slightly disturbed. 0-5 cm may be fall-in from hole carry; metal is present. Striated and faceted granite clast at 24-27 cm (3 cm <math>\phi</math>); subrounded-subangular. 31-34 cm: gravel in mud matrix (sandy silty clay); diamictite?</p> <p><del>0-4 cm highly disturbed</del></p>		
10															
20															
30															
40															
50															
60															
70															
80															
90															
100															
110															
120															
130															
140															
150															
160															

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 19	Type H	Section CC
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Date 26.01.14	Time 10:45	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0  10  20  30  40  50  60  70  80  90  100  110  120  130  140  150  160		22	22	w m vp bl r a	w m vp bl r a	w m vp bl r a	w m vp bl r a	w m vp bl r a	w m vp bl r a	w m vp bl r a	• dark grayish brown clay • (2.5Y 4/2) • faint lamination partly visible • soft-sediment deformation weakly visible • slightly core disturbance • some silty clay intruded at 4cm, 13cm • very compacted sediment • (well to) very well sorted • no bioturbation visible	

# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
347	59	B	25	P	1

Date	Time	Observers
21.01.14	10:55	MK/SP

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting w m vp bl r a	Round-ness	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">0</div> <div style="margin-bottom: 10px;">10</div> <div style="margin-bottom: 10px;">20</div> <div style="margin-bottom: 10px;">30</div> <div style="margin-bottom: 10px;">40</div> <div style="margin-bottom: 10px;">50</div> <div style="margin-bottom: 10px;">60</div> <div style="margin-bottom: 10px;">70</div> <div style="margin-bottom: 10px;">80</div> <div style="margin-bottom: 10px;">90</div> <div style="margin-bottom: 10px;">100</div> <div style="margin-bottom: 10px;">110</div> <div style="margin-bottom: 10px;">120</div> <div style="margin-bottom: 10px;">130</div> <div style="margin-bottom: 10px;">140</div> <div style="margin-bottom: 10px;">150</div> <div style="margin-bottom: 10px;">160</div> </div>		<p style="font-size: 2em; margin: 0;">0</p> <p style="font-size: 2em; margin: 0;">2</p>						<p style="font-size: 1.5em; margin: 0;">1</p> <p style="font-size: 1.5em; margin: 0;">2</p>	<p>dark greenish gray sandy-silty clay with few gravel 10Y4/1</p> <p>diamictic (till?)</p> <ul style="list-style-type: none"> <li>◦ not very compacted</li> <li>◦ no bioturbation visible</li> <li>◦ <sup>highly</sup> (slightly) disturbed but some parts <sup>highly</sup> moderately disturbed</li> <li>◦ 0-5 cm <sup>scoring</sup> moderately disturbed</li> <li>◦ a lot of water within the core liner (disturbed?)</li> <li>◦ some patches are more compacted</li> <li>◦ poorly sorted</li> <li>◦ matrix supported</li> <li>◦ no sed. structures visible</li> <li>↳ homogeneous, massive?</li> </ul> <div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p style="text-align: center;">SAMPLE INTACT MUD CLASTS, NOT SOFT MATRIX (core disturbance)</p> </div>






# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 59	Hole B	Core 29	Type P	Section 1
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Date 26.01.14	Time 11:10	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting	Round-ness	Color	Access ories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">0</div> <div style="margin-bottom: 10px;">10</div> <div style="margin-bottom: 10px;">20</div> <div style="margin-bottom: 10px;">30</div> <div style="margin-bottom: 10px;">40</div> <div style="margin-bottom: 10px;">50</div> <div style="margin-bottom: 10px;">60</div> <div style="margin-bottom: 10px;">70</div> <div style="margin-bottom: 10px;">80</div> <div style="margin-bottom: 10px;">90</div> <div style="margin-bottom: 10px;">100</div> <div style="margin-bottom: 10px;">110</div> <div style="margin-bottom: 10px;">120</div> <div style="margin-bottom: 10px;">130</div> <div style="margin-bottom: 10px;">140</div> <div style="margin-bottom: 10px;">150</div> <div style="margin-bottom: 10px;">160</div> </div>		<p style="text-align: center;">Subunit I</p> <hr style="border: 1px solid purple;"/> <p style="text-align: center;">Subunit II</p>	<p style="text-align: center;">Washed Sample?</p>						<p>Subunit I</p> <p>0-12 cm</p> <ul style="list-style-type: none"> <li>• fine gravel with high content of flint (&gt;80%)</li> <li>• clast supported (washed?)</li> <li>• massive</li> <li>• sharp contact at the bottom (erosional + unconformity)</li> <li>• flint are sharp edged and broken</li> </ul> <hr style="border: 1px solid purple;"/> <p>Subunit II 12-40 cm</p> <ul style="list-style-type: none"> <li>• white limestone with some flint clasts in one layer (17-14 cm)</li> <li>• flint are sharp edged and broken</li> <li>• limestone is <del>very</del> soft at the top (13-14 cm)</li> <li>• darker part between 36-39 cm</li> <li>• looks like reworked calcareous surface</li> </ul>