



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

Exp. 347	Site 60	Hole A	Core 3	Type H	Section 2
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Date 1/30/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness	Color	Accessories	Core Disturbance	Description						
				w m vp bl r a										
0	[Photograph of core sample]	[Lithology sketch]	[Structure/Fossils sketch]	[Sorting Roundness sketch]	[Color sketch]	[Accessories sketch]	[Core Disturbance sketch]	0-23 cm: shell-rich well sorted fine sand possible <i>Macoma bathica</i> at 12-13 cm (one valve?)						
10								↑ shell bed ↓						Green mineral? material at 17-18 cm
20														Mostly shell fragments
30														23-148 cm: dark gray (SY 4/1) <del>med</del> fine sand numerous black organic fragments throughout (peat?) very well sorted with spherical grains, rounded to subrounded in shape
40														- massive, no visible bioturbation
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

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

Exp. 347	Site 60	Hole A	Core 4	Type H	Section 1
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Date 30.01.14	Time 09.30	Observers MUSP
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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							3 3 3	<ul style="list-style-type: none"> <li>• dark gray sand 54/1</li> <li>• homogeneous</li> <li>• soupy (highly disturbed washed)</li> <li>• no sedimentary structures visible (washed section)</li> <li>• medium-sand with minor fine-sand and coarse-sand component</li> <li>• a lot of mollusc fragments throughout whole section</li> <li>• well sorted</li> <li>• small black pieces → possible charcoal</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 4	Type H	Section 2
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Date 30.01.14	Time 09:35	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-bottom: 10px;">subunit I</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-bottom: 10px;">subunit II</div> </div>			<p>medium sand</p> <p>Turritella</p> <p>coarse sand</p> <p>medium sand</p> <p>sandy gravel</p>	<p>w m vp bl r a</p>	<p>Color</p>	<p>Accessories</p>	<p>Core Disturbance</p>	<p>subunit I 0-28cm</p> <p>gray sand (S1/ S1A)</p> <ul style="list-style-type: none"> <li>• homogeneous / massive</li> <li>• fining upwards</li> </ul> <p>(coarse sand → medium sand)</p> <ul style="list-style-type: none"> <li>• a lot of broken shell fragments</li> <li>• turritella spec. at 12cm</li> <li>• medium sand bed at the bottom of subunit I</li> </ul> <p>25-28cm</p> <ul style="list-style-type: none"> <li>• shell bed at 21-25cm</li> </ul> <p>subunit II 28-38cm</p> <ul style="list-style-type: none"> <li>• sandy gravel (dark greenish gray 10Y 4/1)</li> <li>• fine gravel - medium sand</li> <li>• a lot of different shell fragments (all broken)</li> <li>• chert clast at 32-33cm</li> <li>• turritella fragment at 34-35cm</li> </ul> <p>on top of subunit II</p> <p>greenish gray silty sand</p> <ul style="list-style-type: none"> <li>• fining upward</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 6	Type H	Section CC
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Date 1/30/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	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									0-11 cm: highly disturbed; weak horizontal bedding Very fine sand lamina or bleb at 13-14 cm No visible bioturbation	



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

Exp. 347	Site 60	Hole A	Core 8	Type H	Section 2
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Date 1/30/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure	Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0	Photograph of core section				x					Dark greenish gray (10 y 4/1) sandy clayey silt with dispersed clasts with disrupted very fine sand laminae
10										
20					o					Shell fragment @ 8-99cm
30										133-134, 144-145cm, 5-6cm rock clasts at 22, 139, 146cm, 100cm
40										
50										Disruption of laminae is primary structure, not drilling disturbance could be due to slumping or bioturbation
60										
70										
80										
90										
100						x				
110										
120										
130						x				
140										
150						x				
160										

W: 122-123: rock clasts

W: working half

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

Exp. 347	Site 60	Hole A	Core 8	Type H	Section 3
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Date 1/30/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	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									<p>10 y 4/1 sandy clayey silt with disrupted fine sand laminae moderately well-sorted</p>



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

Exp. 347	Site 60	Hole A	Core 8	Type H	Section CC
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Date 1/30/14	Time	Observers MK/SP
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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									Dark greenish gray (10 Y 4/1) sandy clayey silt with very fine sand laminae deformed










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

Exp. 347	Site 60	Hole A	Core 10	Type H	Section 3
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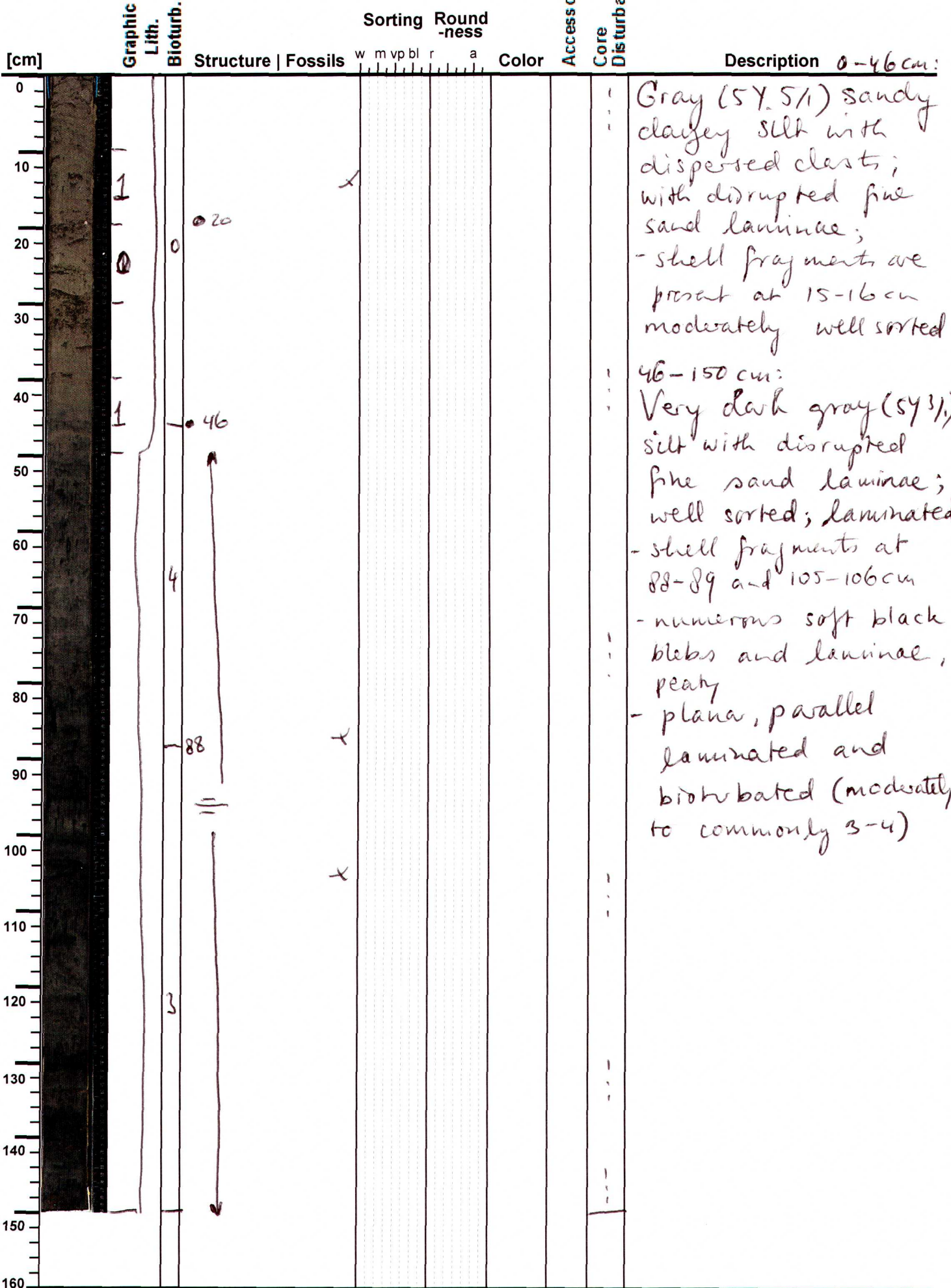
Date 30/01/14	Time 11:50	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160		1	Laminas disrupted sand patches sand layer • homogeneous	w m vp bl r a				• gray sand/silt/clay (54 5/11) • weak lamination visible but laminas disrupted • sand laminas • possible bioturbation (sparse to uncommon) • sand patches • slightly disturbed

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

Exp. 347	Site 60	Hole A	Core 11	Type H	Section 1
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Date 1/30/14	Time	Observers MK/SP
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# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 60	Hole A	Core 11	Type H	Section 2
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Date 1/30/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting					Roundness	Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r					
0	[Photograph of core section]													Very dark gray (s/s/l) planar, <sup>parallel</sup> laminated silt, with dispersed clasts with fine sand laminae, moderately bioturbated (3). Shell fragments at 0-1
10														99-100 cm; 120-121 cm; 134 cm; 147-148 cm
20														
30														
40														
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

19

34

3  
65

x

x

x

x

x

x



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

Exp. 347	Site 60	Hole A	Core 11	Type H	Section 3
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Date 1/30/14	Time	Observers MK/SP
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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									Very dark gray laminated silt w/ k fine sand laminae shell fragments at 12-14 cm, bioturbated

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

Exp. 347	Site 60	Hole A	Core 11	Type H	Section CC
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Date 1/30/14	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				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160		2	+ +							- - - -	Very dark gray (5Y 2/1) sandy silt, weakly laminated, possibly bioturbated Shell fragments 2-9 and 13-14 cm.	





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

Exp. 347	Site 60	Hole A	Core 12	Type H	Section 3
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Date 30.01.14	Time 14:20	Observers MK/SP
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[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			<p>... sand patches</p> <p>sand patches</p>					<p>• dark grayish brown clay • clay with disruption</p> <p>• sand lamina / patches (primary secondary features)</p> <p>• laminar with the clay by color (weak)</p> <p>• very well sorted</p> <p>• slightly dolomitized</p> <p>• no bioturbation visible</p>



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

Exp.	Site	Hole	Core	Type	Section
347	60	A	13	H	2


Date	Time	Observers
1/30/14		MK/SP

[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			<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-size: small;">Structure   Fossils</p> </div> <div style="width: 45%;"> <p style="font-size: small;">Sorting w m vp bl r a</p> </div> </div>						<p>Dark grayish brown (10YR 4/2) parallel planar laminated SILTY CLAY</p> <p>~23 silt laminae, partly disrupted by loading (or bioturbation)</p> <p>- prominent grey-black color bands at 103-104cm</p> <p>- laminae are irregularly spaced 3-4mm thick</p> <p>very well sorted</p>

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

Exp. 347	Site 60	Hole A	Core 13	Type H	Section 3
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Date 1/30/14	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  10  20  30  40  50  60  70  80  90  100  110  120  130  140  150  160		=  =  =							Dark grayish brown (10YR4/2) parallel plane laminated SILTY CLAY with silt laminae, disrupted by loading (or bioturbation) ~3 laminae spaced 9-10 cm apart.





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

Exp. 347	Site 60	Hole A	Core 15	Type H	Section 2
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Date 30/01/14	Time 17:50	Observers MK/JP
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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	[Photograph of core sample]	[Bioturbation sketch]	<p style="text-align: center;">silt pads</p> <p style="text-align: center;">silt lamin</p> <p style="text-align: center;">[wavy line]</p> <p style="text-align: center;">silt pads</p> <p style="text-align: center;">silt pads</p> <p style="text-align: center;">silt pads</p>	[Sorting Round-ness scale]						[Color column]	[Accessories column]	[Core Disturbance column]	<p>dark gray clay with silt laminar (disrupted -&gt; patches) - very well sorted - slightly disturbed - in bioturbation visible - lamination by color (mm-cm scale) - black sulphur layer at 44-45 cm</p>
10													
20													
30													
40													
50													
60													
70													
80													
90													
100													
110													
120													
130													
140													
150													
160													

5/9/11

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

Exp. 347	Site 60	Hole A	Core 15	Type H	Section 3
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Date 30.01.14	Time 14:55	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			<p>..... silt patches</p> <p>..... silt patches</p> <p>..... silt patches</p>								<p>gray clay with silt patches (disrupted silt clays)</p> <p>2.5Y 5/1</p> <p>lamination by color</p> <ul style="list-style-type: none"> <li>• very well sorted</li> <li>• no bioturbation visible</li> <li>• slightly desiccated</li> <li>• rhythmites</li> </ul>	



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

Exp. 347	Site 60	Hole A	Core 16	Type H	Section 2
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Date 30/11	Time	Observers SCS/SBT
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0	[Photograph of core sample]								2.5Y		Slight	Dark Green gray clay with cm-scale laminations and fine sand-silt horizons at cm scale intervals
10									4/1			Blebs of fine sand silt
20												
30												
40												
50												
60												
70												
80												
90												
100												'Blebbly' pods of fine sand silt
110												
120												
130												
140												
150												approx 30 fine sand/silty tan through length of core
160												

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

Exp. 347	Site 60	Hole A	Core 16	Type H	Section 3
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Date 30/1	Time	Observers SCJ/JBJ
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness <small>w m vp bl r a</small>	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160			<div style="margin-left: 20px;">  </div>		2.57 4/1		Slight	<p>Dark-green gray clay with cm scale laminations and mm-scale fine sand-silt interbeds.</p> <p>7 fine sand-silty laminae along length of core</p>
	28.5 cm							

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

Exp. 347	Site 60	Hole A	Core 17	Type H	Section 1
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Date 30/1/14	Time 15:55	Observers JBT / CST
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0				5Y			DARK GRAY, CLAY,
5				4/1			GRAYISH BROWN.
10				/			WEAK LAMINATION BY
15							COLOR. CM SIZE,
20							VERY WELL SORTED,
25							FEW CM SIZE BLACK
30				10YR			BANDS IRON SULFIDE
35				5/2			AT 26 CM, 54 CM,
40							69 CM, 98 CM,
45							SMALL FAULT AT 70
50							CM,
55							SLIGHTLY DISTURBED,
60							FEW ISOLATED SILT
65							BROKEN LAMINA.
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							
150							
155							
160							

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

Exp. 347	Site 60	Hole A	Core 17	Type H	Section 2
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Date 3/14/14	Time 16:00	Observers JBJ/CST
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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					5/4 4/1 /			DARK GRAY - GRAYISH BROWN, CLAY, WEAK LAMINATION BY COLOR CM SIZE, VERY WELL SORTED, FEW CM SIZE BLACK BANDS IRON SULFIDE, AT. 29CM, 42CM, 43CM, 80CM, 86CM, 111. FEW ISOLATED SILT BROKEN LAMINA - CLASTS, SLIGHTLY DISTURBED.











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

Exp.	Site	Hole	Core	Type	Section
347	60	A	19	H	1

Date	Time	Observers
30/1/14	16:50	JBT/CST

[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	[Photograph of core sample]								2.5 4/1		: GRAY, CLAY, : WEAK LAMINATION : BY COLOR, CM SIZE, : VERY WELL SORTED, : FEW, BLACK BANDS : IRON SULFIDE CM SIZE, : 32 cm, 40 cm, : 59 cm, : FEW BROKEN SILT : LAMINA MM SIZE, : SLIGHTLY DISTURBED	



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

Exp.	Site	Hole	Core	Type	Section
347	60	A	19	H	3


Date	Time	Observers
30/1 14	16:58	JBT/AST

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	v	p	b				
0	[Shaded area]								2.5φ			GRAY, CLAY, VERY WEAK LAMINATION BY COLOR, SLIGHTLY DISTURBED VERY WELL SORTED.
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 60	Hole A	Core 19	Type H	Section CC
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Date 30/4/14	Time 10:54	Observers JBJ/CSJ
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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		 6 							2.54 4/1			 - 	GRAY, CLAY, VERY WELL SORTED MODERATELY DISTURBED.









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

Exp.	Site	Hole	Core	Type	Section
347	60	A	21	H	1

Date	Time	Observers
30/1/14	16:02	JBS/CST

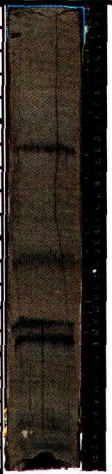
[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160									2.54 4/1			GRAY, CLAY, WEAK LAMINATION BY COLOR, CM SCALE, VERY WELL SORTED, BLACK BANDS ABOUT 1CM SIZE IRON SULFIDE, AT 60CM, 69CM, 76CM, 82CM, 87CM, 100CM, SLIGHTLY DISTURBED, SHARP COLOR BOUNDARY AT 138CM.



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

Exp. 347	Site 60	Hole A	Core 21	Type H	Section 3
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Date 30/1/14	Time 16:10	Observers JBJ/CST
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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		/  	  	  	  	2.5φ 4/1	  	  	GRAY, CLAY, WITH LAMINATION BY COLOR, CM SCALE, BLACK BANDS OF IRONSULFIDE 1CM SIZE AT 13CM, 22CM, 28CM, 29CM, SLIGHTLY DISTURBED. VERY WELL SORTED

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

Exp. 347	Site 60	Hole A	Core 21	Type H	Section CC
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Date 30/1/14	Time 18:20	Observers JB5/MSJ
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting					Round-ness	Color	Accessories	Core Disturbance	Description
				w	m	v	p	b					
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160									2.54 4/1			GRAY, CLAY, VERY WEAK LAMINATION BY COLOR, OR SCALE  VERY WELL SORTED, MODERATELY DISTURBED.	

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

Exp. 347	Site 60	Hole A	Core 22	Type H	Section 1
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Date 30/1	Time	Observers SCJ/JBT
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0									2.5Y		<p>Gray clay, Fine grained, well sorted.</p> <p>Black mm horizon of organic rich material @ dec scale intervals</p> <p>Faint cm-scale lamination present with mm-scale fine sand-silt horizons</p> <p>Approx 1% sand-silt horizons</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 60	Hole A	Core 23	Type H	Section 2
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Date 30/1/14	Time 19:10	Observers JBS/CST
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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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160											5Y 5/1			GRAY, SILT RICH CLAY, WEAK LAMINATION BICOLOR, CM SIZE, BLACK IRON SULFIDE BANDS AT, 4CM, 9CM, 33CM, 38CM, 45CM, 52, 56CM, 63CM, 70CM, 81CM 100CM, 115CM, 120CM CM SIZE BANDS.  WELL SORTED, FEW SILT-VERY FINE SAND MM LAMINA DISRUPTED,  SLIGHTLY DISTURBED.

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

Exp. 347	Site 60	Hole A	Core 23	Type H	Section 3
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Date 30/1/14	Time 19:15	Observers JBT/CSJ
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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					5/1			GRAY, SILT RICH CLAY, WEAK LAMINATION BY COLOR, CM SIZE  BLACK BANDS IRON SULFIDE 1CM SIZE AT 8CM, 13CM 19CM,  WELL TO VERY WELL SORTED SLIGHTLY DISTURBED.

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

Exp. 347	Site 60	Hole A	Core 23	Type H	Section CC
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Date	Time	Observers
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	v	p	b				
0  10  20  30  40  50  60  70  80  90  100  110  120  130  140  150  160											GRAY, SILT RICH CLAY, WELL SORTED, SLIGHTLY DISTURBED.	
								5Y 5/1				

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

Exp. 347	Site 60	Hole A	Core 24	Type H	Section 1
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Date 30/1	Time	Observers SCJ/TBS
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0					2.5Y 5/1		slight	Smearing and grooves across surface
10								Gray clay. Fine grained well sorted.
20								mm - cm thick blocks, sulphidic, organic rich interbeds present throughout.
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								shell frag (mm's) @ 140cm
150								cavity at base.
160								






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

Exp. 347	Site 60	Hole A	Core 24	Type H	Section 3
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Date 30/11	Time	Observers SCJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
			w m vp bl r	a				
0					2.5Y 5/1			Gray clay Fine grained, well sorted no visible laminations. Black, organic-rich mm-cm-scale horizons throughout.
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 60	Hole A	Core 24	Type H	Section CC
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Date 20/1	Time	Observers SCJ/JBJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
			w	m	vp	bl	r				
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div>							2.5/1 5/1			mad Broken lower section and surface. Grey clay with black clay laminations. Distorted on surface from smearing.	







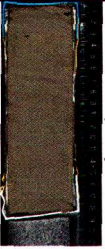
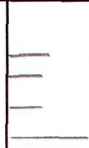




# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 60	Hole A	Core 26	Type H	Section 3
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Date 30/1	Time	Observers SJS/SJT
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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									2.54 4/1			(slight)	Grey clay. Fine grained well sorted, with faint cm scale lamination and mm fine sand-silt interbeds.





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

Exp. 347	Site 60	Hole A	Core 27	Type H	Section 2
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Date 31.01.14	Time 08:05	Observers MIK/OH
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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  10  20  30  40  50  60  70  80  90  100  110  120  130  140  150  160				(Sorting and Roundness columns are mostly empty with faint dotted lines)							(Color column is empty)	(Accessories column is empty)	(Core Disturbance column is empty)	<ul style="list-style-type: none"> <li>· grey clay (5Y 5/1)</li> <li>· homogeneous clay with faint laminations and some silt + sand</li> <li>· no visible bioturbation</li> <li>· sorting: clay <sup>very</sup> well sorted, silt well - moderately well sorted</li> <li>· core disturbance slightly disturbed</li> <li>· siltier-sandier parts: 12cm, 30cm, 74-76cm,</li> </ul>







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

Exp. 347	Site 60	Hole A	Core 29	Type H	Section 2
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Date 3/10/14	Time 09:05	Observers MK/OH
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting Roundness							Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r	a					
0				disrupted silt lamina											gray silty clay (SY 5/1)
10				disrupted silt lamina											disrupted silt lamina moderately to well sorted
20				black sulphate lamina											a lot of black sulphate lamina (n 9)
30				black sulphate lamina											faint lamination by color
40															slightly disturbed
50				disrupted silt lamina											no bioturbation visible
60															faint lamination by color
70															Horizon mark
80															
90				black sulphate lamina											
100				black sulphate spots											
110				black sulphate lamina											
120															
130															
140				black sulphate lamina											
150															
160															

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

Exp. 347	Site 60	Hole A	Core 29	Type H	Section 3
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Date 31 01 14	Time 09:40	Observers M4/0H
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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									gray silty clay with
5									faint laminations by color
10									and ranges in grain size
15									(5Y 5/1)
20									• minor sand component =
25									some laminae
30									• moderately to well sorted
35									• no bioturbation visible
40									• slightly disturbed
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
155									
160									

sandy-silty clay laminae



silt laminae with sand component indistinctly to well sorted

pyrite

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

Exp. 347	Site 60	Hole A	Core 29	Type H	Section CC
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Date 31/01/14	Time 09.50	Observers MU/04
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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			<p style="font-size: small;">silty inter-layers</p>						<ul style="list-style-type: none"> <li>• gray silty clay (SY5/1)</li> <li>• with faint laminations</li> <li>• by color and some sandy silt inter-layers</li> <li>• slightly discolored</li> <li>• no bioturbation visible</li> <li>• well sorted</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.	Site	Hole	Core	Type	Section
347	60	A	30	H	3

Date	Time	Observers
3.1.14	9:50	OH

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness							Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a					
0			Subunit 1 Coarser ← sharp contact											Subunit 1 (continues from 60A30/2)
10			Subunit 2 (terminal) - clay intraclast - dropstone (18cm) - deformed lamination											- lower contact deformed, sharp - moderately well sorted silty clay and sand - color: 2.5Y 4/1
20														
30			- more homogeneous interval (30-78cm)											Subunit 2: homogeneous & laminated - silty clay with sand - color: 2.5Y 4/1 - interval from 30-78cm silty clay more homogeneous
40			- lots of sand and silt intraclasts											- core disturbance: slightly
50			- dropstones: at 44cm 52cm 67cm 77cm											- no bioturbation
60														
70														
80			- sand intraclasts											
90														
100			- more deformation (lamination)											
110														
120			at 116cm: dropstone											
130														
140														
150														
160														

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

Exp. 347	Site 60	Hole A	Core 30	Type H	Section 4
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Date 31.1.14	Time 10:00	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0			<p>@ 6cm drop - 10cm stone</p> <p>2</p> <p>1</p> <p>more sandy</p> <p>- clay intraclast</p>	<div style="display: flex; justify-content: space-around;"> <span>w</span><span>m</span><span>vp</span><span>bl</span><span>r</span><span>a</span> </div>								<ul style="list-style-type: none"> <li>- homogenous clay with silt and sand lamination</li> <li>- well to moderately sorted</li> <li>- color 2.5Y 4/1</li> <li>- core disturbance: slightly</li> <li>- no bioturbation</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 60	Hole A	Core 31	Type H	Section 2
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Date 31.01.14	Time	Observers
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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			 strongly folded									0-25cm gray sand silt (S/S/A) • looks like strongly folded (primary sed. structures) • moderately well sorted • slightly disturbed
VOID 25-49cm			 clayey silt silty silt									49-72cm gray sandy/clayey silt • strongly folded • moderately sorted • slightly disturbed

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

Exp. 347	Site 60	Hole A	Core 32	Type H	Section 1
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Date 31.1.14	Time 10:50	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	Color	Accessories	Core Disturbance	Description						
0								- Grey (2.5 Y 4/1) homogenous clay with lamination (silt and sand)						
10								@12cm: dropstone	@18cm: dropstone					- moderately sorted (0-120cm) clay with silt and sand
20														very well sorted clay (120-150cm)
30														- soft-sediment deformation (0-120cm); folding
40														- 2 dropstones (12cm and 18cm)
50														- no bioturbation
60														- core disturbance slightly
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														







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

Exp. 347	Site 60	Hole A	Core 32	Type H	Section 3
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Date 31.1.14	Time 11:15	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0			laminated, deformed clay with silt and sand									- Grey clay with silt and sand (0-18 cm) (laminated) (2574/1)
10			erosional boundary									- grey homogeneous clay (18-22 cm)
20			1/8 homogeneous clay									- erosional contact between (2574/1)
30												- slightly core disturbance
40												- no bioturbation
50												
60												
70												
80												
90												
100												
110												
120												
130												
140												
150												
160												

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

Exp. 347	Site 60	Hole A	Core 32	Type H	Section CC
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Date 31.1.14	Time 11:20	Observers [Signature]
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[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			<p>- intraclasts (clay and silty sand) - lamination</p>					<p>- Grey homogeneous clay (2.54 4/1) with faintly laminated silt and sand - very well to well sorted - some intraclasts</p> <p>- core disturbance slightly - no bioturbation</p>

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

Exp. 347	Site 60	Hole A	Core 33	Type H	Section 1
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Date 31.01.14	Time 11:05	Observers AK/GH
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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									gray poorly sorted silty clay with dispersed coarse common clasts and minor sand common (5% 5/11)
10	2								faint laminations visible
20									diametric structure
30									some parts are homogeneous
40									slightly disturbed
50									black sulphidic patches and laminations common
55									oxidized along core line and a small void 0-53cm
60	1		blackish tan						CC piece within core line
65									50-59cm → moderately disturbed
70	3								
80									
90	3								
100	3								
110									
115	5		sandy claygy site						
120									
130	2								
140	3								
150									
160									

CC piece removed

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

Exp. 347	Site 60	Hole A	Core 33	Type H	Section 2
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Date 31.01.14	Time 11:25	Observers MK/OT
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting					Round-ness	Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r					
0	1			det										dark gray silty clay with dispersed to uncommon clast (5Y4/1)
10	2			det										• mostly homogeneous / massive with some faint lamination
20	2													• hints for soft-sediment deformation
30			faint lamination											• poorly sorted
40	3													• slightly disturbed
50	1													• black specks / patches
60	2													55-63cm, 78-105cm, 113-150cm
70	2													• many sandy silt intruders
80	2													• no bioturbation visible
90	1													• diamictic structure
100	2													
110	1		faint lamination											
120	3													
130														
140	1													
150														
160														

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

Exp. 347	Site 60	Hole A	Core 33	Type H	Section CC
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Date 31.01.14	Time 11:47	Observers MK/OH
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[cm]	Graphic Liff. Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description	
				w m vp bl r	a					
0	1	Crack	clast					•	• dark gray silty clay with	
10				•					•	minor sand component (SY 4/1)
20									•	• slightly disturbed
	1							•	• homogeneous	
	2							•	• black specks	
								•	• dispersed clast	
								•	• oxidized along core line	
								•	and crack (SY 5/2 olive gray)	
								•	(moderately well to) poorly	
								•	sorted	
								•	• no bioturbation visible	

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

Exp.	Site	Hole	Core	Type	Section
347	60	A	34	H	1

Date	Time	Observers
31.1.14	11:55	OH/SCS


[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		<div style="text-align: center;">T</div> <div style="text-align: center;">O</div>	<div style="text-align: center;">SS</div> <div style="text-align: center;">Eg. sandy</div>		5Y 5/1	slight		<p>Gray clay - silty clay massive with only some cm-scale faint lamination</p> <p>some mm-scale black clay horizons throughout.</p> <p>mm-scale pebbles (polyhedral) supported by the clay matrix. ranging from angular to subrounded. Frequent in upper 50cm.</p> <p>Pebbles, becoming less frequent but larger towards base (sub cm scale)</p> <p>Surface shows heavy smearing in places along with pits where small clasts were likely removed during splitting.</p> <p>Faint cm-scale laminations show deformation.</p> <p>3mm pebble @ 140cm (subangular)</p>



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

Exp. 347	Site 60	Hole A	Core 34	Type H	Section 3
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Date 3/1/1	Time	Observers SCJ/MK
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting w m vp bl r	Round-ness 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			Gray clay, fine grained med sorting with some silty-clay intervals. Supporting mm scale clasts polyminic Massive - some faint laminations



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

Exp. 347	Site 60	Hole A	Core 35	Type H	Section 1
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Date 31.01.14	Time 13:20	Observers MK/SJ
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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	[Photograph of core section]								dark gray silty clay <sup>5/4M</sup>
5								3	with minor sand component
10								1	• soupy (no sedimentary structures visible)
15									• smelly → high organic content
20									
25									
30									
35									
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									
130									
135									
140									
145									
150									
155									
160									

moderately disturbed  
(homogeneous)  
sand component  
i.e. silty clay

moderately  
disturbed

3

1

3

3

3

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

Exp. 347	Site 60	Hole A	Core 35	Type H	Section 2
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Date 31.01.14	Time 13.40	Observers MM
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[cm]	Graphic Lith. Bioturb.	Structure	Fossils	Sorting Roundness							Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a					
0	[Redacted]													<ul style="list-style-type: none"> <li>○ dark gray daysilt (art)</li> <li>○</li> <li>○ soupy (bad quality)</li> <li>• no structures visible</li> <li>• some compact silty clay balls with mollusc fragments</li> <li>○</li> <li>○ smelly (high con)</li> <li>○ fine gravel clast</li> <li>○ possible contamination with drill mud</li> <li>• oxidation possible</li> <li>→ original color black?</li> </ul>
10														
20														
30														
40														
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

→ balls with mollusc fragments

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

Exp. 347	Site 60	Hole A	Core 36	Type H	Section 1
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Date 3/1/1	Time	Observers SCJ/MK
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div>				2.5Y 4/1		foot	Crumbly, heavily distorted Black natural (N 2.5) but gray on surface (2.5Y 4/1) clay, fine grained, organic rich - smelly! very poor recovery and water logged.

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

Exp. 347	Site 60	Hole A	Core 37	Type S	Section 1
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Date 31.01.14	Time 14:00	Observers M4
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	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="text-align: center;">clay</p> <div style="text-align: center;">  </div> <p style="text-align: center;">clay •</p>					<ul style="list-style-type: none"> <li>• gray sandy-silty clay (S1/S11)</li> <li>• homogeneous</li> <li>• few fine gravel occur</li> <li>• mollusc pieces</li> <li>• highly disturbed</li> <li>• oxidized along core line and crack (olive gray)</li> <li>• diamictic structure</li> <li>• moderately sorted</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 38	Type H	Section 1
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Date 31.01.14	Time 14:20	Observers MK
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness w m vp bl r a	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>			<div style="margin-top: 5px;">fractured</div> <div style="margin-top: 20px;"> <div style="display: flex; align-items: center;"> <div style="border-top: 1px solid black; width: 20px; height: 10px; margin-right: 5px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="margin-left: 10px;">             tighter silty clay           </div> </div>				<div style="margin-top: 5px;">3</div> <div style="margin-top: 15px;">3</div> <div style="margin-top: 15px;">3</div>	<ul style="list-style-type: none"> <li>• very dark gray <sup>N3</sup> sandy/silty clay</li> <li>• strongly oxidized (gray 5Y5/1)</li> <li>• no sedimentary structures visible</li> <li>• highly disturbed</li> <li>• smelly (high organic content)</li> <li>• possible contamination with drill mud</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 38	Type H	Section 2
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Date 31.01.14	Time 14:35	Observers MK
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure   Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div>				<p style="text-align: center;">faint lamination silt-sand lamina</p> <p style="text-align: center;">SSD</p> <p style="text-align: center;">SSD</p> <p style="text-align: center;">Soft sediments deformation (most probably core disturbance due drilling)</p> <p style="text-align: center;">(sand particles)</p>						<ul style="list-style-type: none"> <li>• moderately to highly disturbed</li> <li>• gray sandy/silty clay (SYSL)</li> <li>• most likely core disturbance due drilling (SSD)</li> <li>• of the faint lamination ↳ deformed</li> </ul>









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

Exp.	Site	Hole	Core	Type	Section
347	60	A	50	H	1

Date	Time	Observers
3/1/14	15:55	JBJ/CST

[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0	[Photograph of core sample]								104R G/1		[Symbol]	GRAY, SAND FINE GR, WELL SORTED WELL ROUNDED, CUBIC, QUARTZ, HEAVILY DISTURBED
10											[Symbol]	20 cm
20										104R S/1		[Symbol]
30											[Symbol]	30 cm
40									104R G/1		[Symbol]	GRAY, SAND MEDIUM TO FINE, WELL SORTED, MASSIVE, WELL ROUNDED, CUBIC, QUARTZ, CRYSTALLINE, MODERATELY DISTURBED  97-98 SILTRICH LAMINA-BED,  FEW SHELL FRAGMENTS
50												
60												
70												
80												
90												
100												
110												
120												
130												
140												
150												
160												






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

Exp. 347	Site 60	Hole A	Core 51	Type H	Section 1
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Date 3/17	Time 16:48	Observers JBT/CSJ
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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					10YR 6/2		<p>~</p> <p>~</p> <p>~</p> <p>~</p>	<p>LIGHT BROWNISH GRAY, SAND, MEDIUM, WELL SORTED, WELL ROUNDED, CUBIC, QUARTZ, CRYSTALLINE, FEW SHELL FRAGMENTS HEAVILY TO MODERATE DISTURBED, INTERVAL 105-108, SILT LAMINAE.</p>
		= SILT LAMINAE					<p>~</p> <p>~</p>	

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

Exp. 347	Site 60	Hole A	Core 51	Type H	Section 2
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Date 3/17	Time 16:55	Observers JBT/CSJ
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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						10YR 6/2			LIGHT BROWNISH GRAY SAND, MEDIUM, WELL SORTED, WELL ROUNDED, CUBI QUARTZ, CRYSTALLIN, FEW SHELL FRAGMENTS, MODERATELY DISTURBED AT INTERVAL 7-70CM ONE PEBBLE AND CONTENTS OF COARS SAND INTERVALS RICH IN SILT 38-47, 52-56, HORIZONTAL BEDDING
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 60	Hole A	Core 53	Type H	Section 1
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Date 3/7/14	Time 17:13	Observers JBT/OST
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0	[Photograph of core sample]								10YR 6/1			GRAY, SAND, MEDIUM, WELL SORTED, MASSIVE WELL ROUNDED, CUBIC, QUARTZ, CRYSTALLINE, CONTENTS OF SMALL SHELL FRAGMENT S MODERAT TO HEAVILY DISTURBED.
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 60	Hole A	Core 53	Type H	Section 2
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Date 3/1/14	Time 17:20	Observers JBJ/EST
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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						10YR 6/1			GRAY SAND, NORMAL GRADED FROM MEDIUM SAND TO COARSE SAND, WELL ROUNDED, CUBIC, QUARTZ, CRYSTALLINE, CONTENTS OF SMALL SHELL FRAGMENTS MODERATELY TO HEAVILY DISTURBED.





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

Exp. 347	Site 60	Hole A	Core 55	Type H	Section 1
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Date 3/1/11	Time	Observers SCJ/JBJ
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Scan of working half.


[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
				w m vp bl r	a				
0						10YR 5/2			Archive half.
10									less than half recovery and heavily water logged until 100cm
20									
30									Brown coarse sand
40									Massive - no internal structure well sorted
50									High qtz content with coarse to granule sized opaques.
60									
70									Silty sand layer at top
80									
90									
100									
110									
120									
130									
140									
150									
160									

soupy

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

Exp. 347	Site 60	Hole A	Core 55	Type H	Section 2
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Date 3/1	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											<p>moderately water logged but not over saturated</p> <p>large cavity along core edges</p> <p>Qtz rich. Mature, well sorted coarse grained.</p> <p>Some black grains, generally coarse sized to granule in places. some shell fragments/bioclasts throughout.</p> <p>Massive - no internal structure.</p> <p>@ 96cm core scale horizon of increased silt content.</p>	
												<p>10YR 5/2</p> <p>slight</p>

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

Exp. 347	Site 60	Hole A	Core 56	Type H	Section 1
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Date 3/1/14	Time 16:25	Observers JBT/RSJ
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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	[Photograph of core sample]								10YR 6/1			GRAY, SAND, FINE, WELL SORTED, MASSIVE WELL ROUNDED, CUBIC, <sup>SUB</sup> ROUNDED, QUARTZ, CRYSTALLINE, FEW SMALL SHELLIC FRAGMENTS HEAVILY DISTURBED,

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

Exp. 347	Site 60	Hole A	Core 56	Type H	Section 2
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Date 3/1/14	Time 16:30	Observers JBJ/CST
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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						10YR 6/1			GRAY, SAND, FINE WELL SORTED, MASSIVE, WELL ROUNDED, CUBIC, QUARTZ, CRYSTALLINE, FEW SHELL FRAGMENTS, HEAVILY DISTURBED.







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

Exp. 347	Site 60	Hole A	Core 58	Type H	Section 1
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Date 3/1/14	Time 19:05	Observers JBT/AST
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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													6/4/4			DARK GRAY, CLAY, WEAK LAMINATION BY COLOR, VERY WELL SORTED, SHARP BOUNDARY MODERATELY DISTURBED
10													4/1			
20															23cm	
23		2 PEBBLES											6/4/4			VERY DARK GRAY, CLAY, WITH SANDAWA PEBBLES, CLAST POOR MUDDY DIAMICT, WEAK LAMINATION 3-5 CM
30		1											3/1			SCALE DUE TO CHANGE IN CLAY CONTENTS
40		1			X											POORLY SORTED,
50					X											PEBBLES, SUBANGULAR, CONTENTS OF SHELL FRAGMENTS.
60		3														MODERATELY DISTURBED.
70		1														
80																
90																
100																
110																
120																
130		1														
140																
150		3														
160																

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

Exp. 347	Site 60	Hole A	Core 58	Type H	Section 2
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Date 3/1/14	Time 17:20	Observers JBJ/CST
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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	[Photograph of core sample]					grey 4/1			DARK GRAY, CLAY, VERY WELL SORTED SOUPY, HEAVY SMELL.
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 60	Hole A	Core 59	Type H	Section CC
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Date 3/11	Time	Observers SCJ/SBJ
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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								10Y/3		— soupy	Dark gray clay. Rich in organic matter. Fine grained well sorted  Smelly!





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

Exp. 347	Site 60	Hole A	Core 61	Type H	Section 1
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Date 31/1	Time	Observers SCS/JS
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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	[Redacted]					10Y/3		- soupy	Water logged distorted appearance. Dark gray clay. Homogenous, fine grained, well sorted. Rich in organics. Strong odour
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

29.7cm



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

Exp. 347	Site 60	Hole A	Core 63	Type H	Section 1
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Date 3/1/14	Time 21:20	Observers JBJ/CST
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[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					2.54 5/1			GRAY, CLAY-SILTY SAND, MASSIVE, MODERATELY SORTED HEAVILY DISTURBED TO SOUPY, SMELLY,





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

Exp. 347	Site 60	Hole A	Core 65	Type H	Section 2
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Date 1. 2. 14	Time 9:15	Observers OH
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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	[Redacted]							9	- sandy clayey silt - moderately well sorted - greyish grey (10 Y 4/1)
10								3	- homogeneous (no visible structures)
20								3	- some charcoal fragments (0.5 cm diameter) at 8cm, 16cm and 30cm
30								9	- oxidized along core liner
40								3	- smelly
50									- core disturbance: highly
60									- no bioturbation
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

Lith. (0-10 cm)  
 Bioturb. (0-10 cm)  
 Charc (20-30 cm)  
 Charc (30-35 cm)







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

Exp. 347	Site 60	Hole A	Core 67	Type H	Section 2
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Date 01/07/14	Time 10:40	Observers MK/04
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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	[Photograph of core section]								<ul style="list-style-type: none"> <li>• dark gray sandy silt with minor clay content (5/4/1)</li> <li>• moderately well sorted</li> <li>• soupy (highly disturbed)</li> <li>• no visible sedimentary structures</li> <li>• few charcoal fragments at 138cm</li> <li>• possible drill mud contamination</li> <li>• grain size separation, due to drilley (mud on core surface)</li> <li>• mica possible</li> <li>• charcoal → silty organic-rich sediment (reworked?)</li> <li>• slightly smelly</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 60	Hole A	Core 68	Type H	Section 2
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Date 01.02.14	Time 11:10	Observers MK/04
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness	w	m	vp	bl	r	a	Color	Accessories	Core Disturbance	Description	
0	[Photograph of core section]														<ul style="list-style-type: none"> <li>• dark gray silty sand with micro clay (SY 4/11)</li> </ul>	
10															<ul style="list-style-type: none"> <li>• 0-35 cm slightly disturbed</li> </ul>	
20					homogeneous											<ul style="list-style-type: none"> <li>• homogeneous</li> <li>• no visible sed. structures</li> <li>• charcoal occur (0.4 cm in diameter)</li> <li>• compacted</li> </ul>
30																<ul style="list-style-type: none"> <li>• diagenetic structure</li> <li>• moderately well sorted</li> </ul>
40																<ul style="list-style-type: none"> <li>• 35-151 cm</li> </ul>
50																<ul style="list-style-type: none"> <li>• dark gray sand silt with micro clay (SY 4/11)</li> </ul>
60																<ul style="list-style-type: none"> <li>• soupy → highly disturbed due to drilling</li> </ul>
70																<ul style="list-style-type: none"> <li>• possible change in lithology but not really visible</li> </ul>
80																<ul style="list-style-type: none"> <li>• few charcoal fragments</li> </ul>
90																<ul style="list-style-type: none"> <li>• moderately well sorted</li> </ul>
100																<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>
110																<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>
120																<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>
130																<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>
140																<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>
150															<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>	
160															<ul style="list-style-type: none"> <li>• [Vertical text: Slightly disturbed]</li> </ul>	

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

Exp. 347	Site 60	Hole A	Core 69	Type H	Section 1
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Date 1.2.14	Time 11:20	Observers OH
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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	gravel														3 - topmost 20cm missing
10															3 - very dark grey (5Y 3/1)
20															7 - silty sand with some clay
30	1														3 - moderately sorted
40															- grain-supported
50															- no visible sedimentary structures
60	1														- gravel clast: 38cm, 66cm, 71, 78,
70	2														- small white fragments (chalk?) along the section
80															- charcoal (Ø up to 5cm) along the section
90															- clay intraclast: 92cm,
100															
110															
120															
130															
140															
150															
160															

Charcoal

38cm

66cm

71cm

78cm

92-clay intraclast

large (Ø 2-5) pieces of charcoal!


20

- mica flakes along the section  
- slight core disturbance

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

Exp. 347	Site 60	Hole A	Core 69	Type H	Section 2
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Date 01.02.14	Time 11:35	Observers M4/04
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description	
0	[Photograph of core sample]							Dark gray silty sand with minor clay (5% Y11)	
10			clayey bands or interbeds					• mostly homogeneous with faint bands / more clayey part at 12-17cm, 47-52cm	
20									
30				For coral 					• many dispersed For coral fragments (up to 1cm in diameter)
40				clayey bands or interbeds					• 0-57cm slightly disturbed
50									• 57-83cm soupy
60									• mica visible (flakes)
70									• at 26cm brownish plant remnant?
80									
90									
100									
110									
120									
130									
140									
150									
160									

soupy





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

Exp. 347	Site 60	Hole A	Core 71	Type H	Section 1
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Date 1.2.14	Time 12:45	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description	
					w	m	vp	bl	r					a
0	[Photograph of core sample]	[Lithological sketch]	[Structure sketch]	[Fossils sketch]	[Sorting Roundness grid]	[Color column]	[Accessories column]	[Core Disturbance column]	[Description text]	[Color column]	[Accessories column]	[Core Disturbance column]	[Description text]	
10														- Dark grey (5Y4/1) silty sand with some clay
20														- moderately sorted
30														- gravel clasts: 68 cm, 82 cm, 108 cm
40														- 58-58 cm, 60-62 cm, 70-74 cm, 100-103 cm, 108-128 cm : more clayey parts
50														- grain supported diamicton type of sediment
60														- no visible sedimentary structures
70														- dispersed charcoal pieces (up to 4 cm)
80														- dispersed white fragments (chalk?)
90														- 0-35 cm : core disturbance highly, 35-128 cm slightly
100														- some mica
110														- more clayey part
120														- more clayey part
130														- more clayey part
140														- more clayey part
150														- more clayey part
160	- more clayey part													

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

Exp. 347	Site 60	Hole A	Core 71	Type H	Section 2
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Date 1, 2, 14	Time 12:35	Observers OH
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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			more silt+clay										<ul style="list-style-type: none"> <li>- Dark grey (5Y 4/1) silty sand with some clay</li> <li>- no visible sedimentary structures</li> <li>- grain-supported disintegrated-type of sediment</li> <li>- moderately sorted</li> <li>- more silt+clay: 2-6cm, 14-18cm</li> <li>- gravel clast 16cm</li> </ul>	
10														
20				gravel clast (16cm) more silt+clay										
30														
40														<ul style="list-style-type: none"> <li>- core disturbance slightly</li> <li>- dispersed charcoal pieces (up to 0.5cm)</li> <li>- dispersed white fragments</li> <li>- some mica</li> </ul>
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														



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

Exp. 347	Site 60	Hole A	Core 72	Type H	Section 1
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Date 01.02.14	Time 13:06	Observers MKJ04
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160									<ul style="list-style-type: none"> <li>• dark gray silty sand (SY 4/1)</li> <li>• homogeneous / massive</li> <li>• compacted / grain supported</li> <li>• slightly discolored</li> <li>• Incoast fragment (up to 1cm diameter)</li> <li>• diamictic structure</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 72	Type H	Section 2
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Date 01.07.14	Time 1345	Observers MH/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure	Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
						w m vp bl r a					
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div>											<ul style="list-style-type: none"> <li>• dark gray silty mud (S/Y 4/1)</li> <li>• homogeneous / massive</li> <li>• compacted / grain supported</li> <li>• charcoal fragments throughout whole core (up to 1m Ø)</li> <li>• slightly disturbed</li> <li>• Squeeze mud at 145-150cm</li> <li>• diamictic structure</li> <li>• mica flakes</li> <li>• shell fragments (tiny) throughout whole core surface (reworked?)</li> </ul>

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

Exp. 347	Site 60	Hole A	Core 72	Type H	Section 3
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Date 01/02/14	Time 13:20	Observers MK/OT
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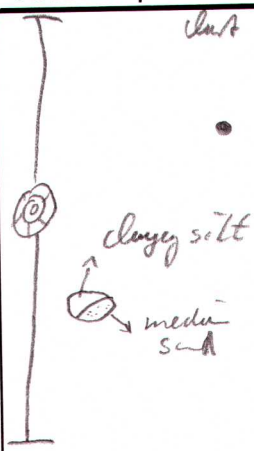
[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
					w m vp bl r a					
0	[Photograph of core sample]			clay						<ul style="list-style-type: none"> <li>• dark gray silty sand (SY 4/1) with dispersed clasts</li> <li>• homogeneous / massive</li> <li>• druseal fragments throughout whole core (upto 1-2 Ø)</li> <li>• slightly disturbed</li> <li>• diamictic structure</li> <li>• tiny shell fragments throughout whole core (reworked?)</li> <li>• mica flakes</li> <li>• clast at 31cm</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 60	Hole A	Core 72	Type H	Section 4
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Date 01.02.14	Time 13:25	Observers MK/04
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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	[Redacted]	▲		●	clast													<ul style="list-style-type: none"> <li>• dark gray silty sand (S<sub>1</sub>/4/1)</li> <li>• homogeneous / massive</li> <li>• charcoal fragments throughout whole core (up to 1cm in Ø)</li> <li>• diamictic structure</li> <li>• clayey silt / silt part</li> <li>• compacted</li> <li>• mica flakes occur</li> <li>• tiny shell fragments throughout whole core</li> <li>• clast at 8cm (lime stone)</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 60	Hole A	Core 73	Type H	Section 1
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Date 1.2.14	Time 13:20	Observers OH
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Roundness							Color	Accessories	Core Disturbance	Description
			w	m	vp	bl	r	a					
0	1	3cm gravel clast											- Dark grey (5Y 4/1) silty sand with some clay
10	1	16cm gravel clast											- moderately sorted
20													- mostly massive, grain-supported diasticton-type of sediment
30													- some deformed clay layer / clay intraclasts
40		deformed clay layer 44-48cm											44-48cm, 67cm, 72cm, 75cm, 82cm, 98-99cm, 105-110cm, 144-150cm
50		53cm: plant remnant?											- gravel clasts: 3, 16, 104 cm
60													- at 53cm: plant remnant?
70		67cm: clay intraclast											- mica
80		75cm: clay intraclast											- dispersed charcoal (Ø up to 1cm)
90		82cm: clay layer											- dispersed white fragments (chalk?)
100		82cm: clay intraclast											- Core disturbance: 0-10cm moderate, 10-150cm slightly
110		98cm: clay layer											- no bioturbation
120		104cm: gravel clast											
130													
140		105cm: clay layer											
150													
160		deformed clay layer											

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

Exp. 347	Site 60	Hole A	Core 73	Type H	Section 2
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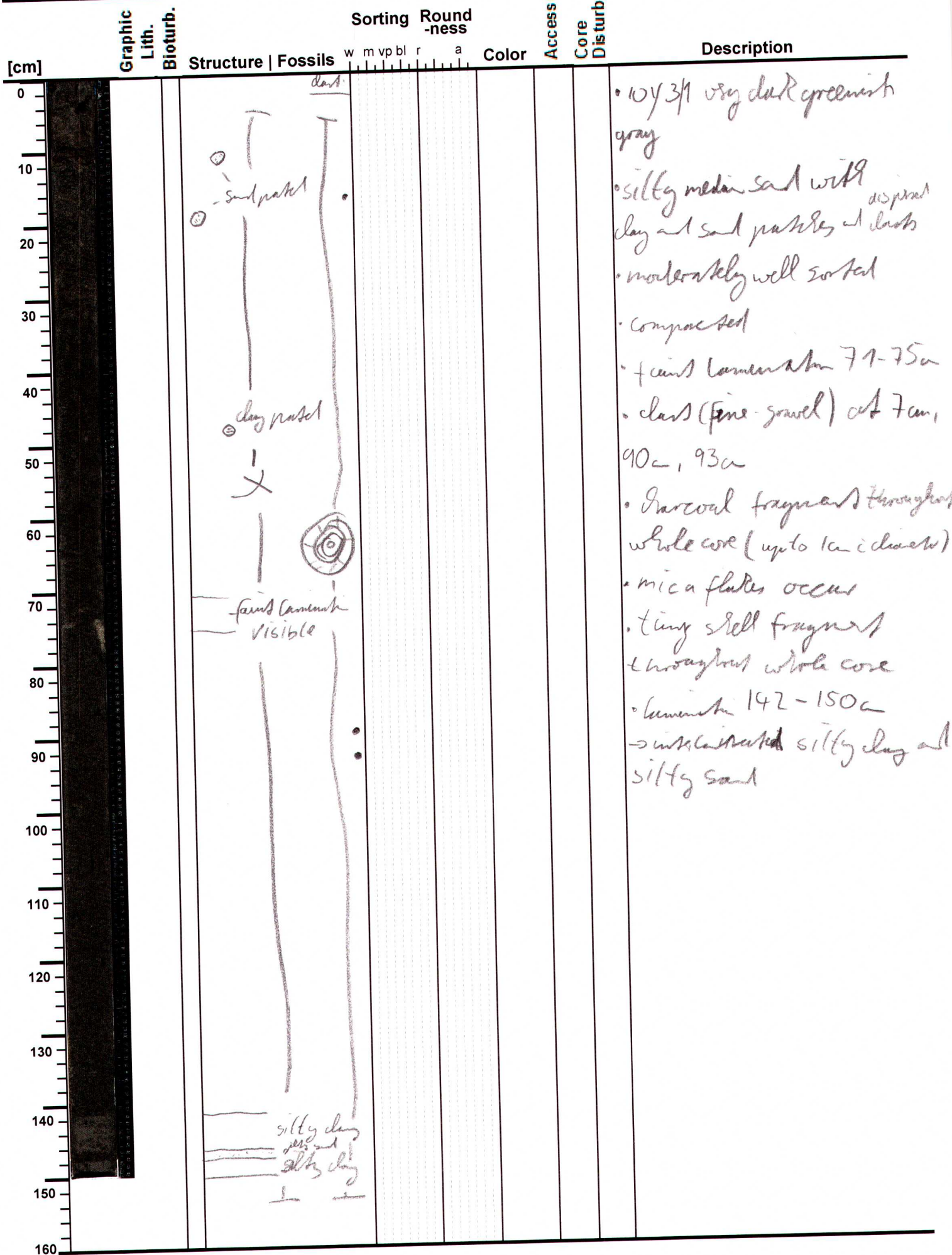
Date 1,2,14	Time 13:30	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness						Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a				
0	[Photograph of core section]		0-6cm: deformed clay layer										<ul style="list-style-type: none"> <li>Dark grey (5Y 4/1) silty sand with some clay, moderately sorted</li> <li>mostly massive, grain-supported diameter - type of sediment</li> <li>some deformed clay layers/ intraclasts: 0-6cm, 47-49cm, 69cm, 96-100cm, 100-110cm,</li> <li>gravel clasts: 73cm, 100cm, 117cm</li> <li>mica</li> <li>dispersed charcoal (up to 3cm)</li> <li>dispersed white fragments (chalk?)</li> <li>core disturbance: 0-122cm slight, 122-132 moderate</li> <li>no bioturbation</li> </ul>
10													
20													
30													
40													
47				47-49cm: clay layer									
50													
60													
69				69cm: clay layer									
70				73cm: gravel clast									
80													
90													
96				96cm: clay layer									
100				100-110cm: clay intraclasts									
100				100cm: gravel clast									
110				116cm: large charcoal									
117			117cm: gravel clast										
120													
130													
140													
150													
160													

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

Exp. 347	Site 60	Hole A	Core 75	Type H	Section 1
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Date 01.02.14	Time 14:15	Observers MK/OH
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# IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

Exp. 347	Site 60	Hole A	Core 76	Type H	Section 1
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Date 1/22/14	Time <del>15:45</del> 15:45	Observers JBT/cst
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting Roundness							Color	Accessories	Core Disturbance	Description	
					w	m	vp	bl	r	a						
0																VERY DARK GRAY, CLAY
10																WITH CONTENTS OF SILT AND SAND, DISPERSED CLASTS
20																CHARCOAL, SIZE OF 0.5 CM CONCENTRATIONS 15-18 CM, 30-35 CM, 82-90 CM,
30																MASSIVE, MODERATELY TO POORLY SORTED,
40																PEBBLES SUBANGULAR, CUBIC TO BLADED,
50																MODERATELY DISTURBED.
60																CLAST POOR MUDDY DIAMICT.
70																MICA CLAY MINERALS.
80																DISPERSED FEW SHELL FRAGMENTS.
90																
100																
110																
120																
130																
140																
150																
160																

3 PEBBLES

7 PEBBLES

10 PEBBLES

5y  
~~2.5y~~  
3/1

+

+

+

+

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

Exp. 347	Site 60	Hole A	Core 76	Type H	Section 2
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Date 1.2.14	Time 14:30	Observers OH
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness	Color	Accessories	Core Disturbance	Description
				w m vp bl r a				
0			charcoal					- Dark grey (5Y 3/1) <del>silty mud</del> With some clay sandy silt
10			@14-16cm: a big piece of charcoal (∅ 3cm)					- moderately sorted
20								- massive grain-supported diagenetic-type of sediment
30								- at 52-64: deformed clay-silt laminae
40								- plenty of dispersed charcoal pieces (∅ up to 3cm)
50			52-64cm: deformed clay and silt layer 57cm: 2 gravel clasts					- mica
60			@63-65cm: a big piece of charcoal (∅ 2cm)					- dispersed white fragments (chalk?)
70			71cm: shell fragment (∅ 0.5cm)					- gravel clasts: 57cm (2x), - shell fragment (∅ 0.5cm), 71cm
80								- core disturbance: 0-74 slightly, 74-77cm highly
90								- no bioturbation
100								
110								
120								
130								
140								
150								
160								

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

Exp. 347	Site 60	Hole A	Core 76	Type H	Section 3
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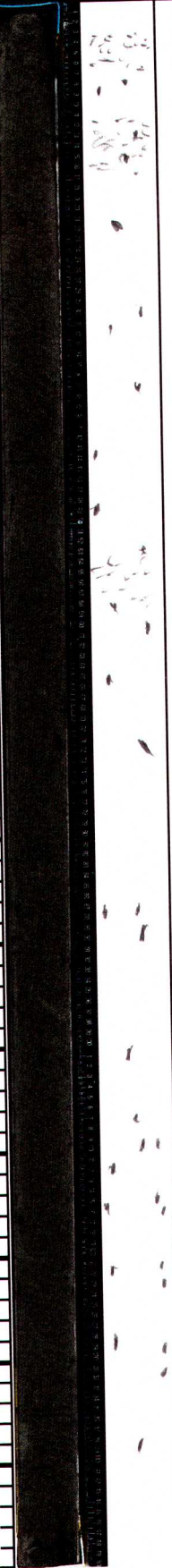
Date 1/2/14	Time 16:02	Observers JBJ/ASJ
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[cm]	Graphic Lith. Bioturb.	Structure   Fossils	Sorting Round-ness					Color	Accessories	Core Disturbance	Description
			w	m	vp	bl	r				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160		X  X					5L 3/1			VERY DARK GRAY, SILTY-CLAY, SAND, MASSIVE, MODERATELY TO POORLY SORTED, FEW PEBBLES, SOUPY TO HEAVILY DISTURBED, SHELL FRAGMENTS CLAST POOR SANDY DIAMICT.	

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

Exp. 347	Site 60	Hole A	Core 77	Type H	Section 1
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Date 1/2/16	Time	Observers 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 / 3/1		Slight	<p>Dark gray / greenish gray silty medium sand.</p> <p>with cm scale charcoal fragments and coarse sand sized white chalk? / bioclasts.</p> <p>mm-scale white mica <math>\approx 10\%</math> over length of core.</p> <p>cavity @ base.</p>

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

Exp. 347	Site 60	Hole A	Core 77	Type H	Section 2
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Date 7/2/14	Time	Observers SCS/JOT
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[cm]	Graphic Lith.	Bioturb.	Structure   Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0	[Photograph of core section]											Dark gray clay silt/mud grained sand. Varying silt content throughout. with some poorly developed laminae. Structure overall is more massive with cm-scale charcoal fragments, coarse sand sized, white mica and white chalk(?) and sub-mm scale bioclasts.
10												
20												
30												
40												
50												
60												
70												
80												
90												
100												
110												
120												
130												
140												
150												
160												

5Y  
3/1

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

Exp. 347	Site 60	Hole A	Core 77	Type H	Section 3
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Date 1/2/14	Time	Observers SCJ/JBT
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[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												Dark gray-green gray silty med grained sand. cm scale charcoal fragments as well as some bioclasts throughout.	

