

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	1	H	1


Date	Time	Observers
1/2 14	19:40	JBT YCS

[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			X X X X		54 4/2		 ~ ~ ~	OLIVE GRAY, SAND, FINEGRAINED, MASSIVE VERY WELL SORTED, WELL ROUNDED TO SUBROUNDED, CUBIC QUARZ, SHELLS TURITELLA SPECIES, AND SHELL FRAGMENTS HEAVILY DISTURBED
	MBIO				123		~	MBIO

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

Exp. 347	Site 60	Hole B	Core 3	Type H	Section 1
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Date 1/2/14	Time	Observers SCT/JBT
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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					<div style="display: flex; justify-content: space-around; font-size: small;"> wmvpblra </div>					2.54 4/2			Pegraded along core edge at top. Brown med-coarse grained mod well sorted sand. mm-scale shell fragments throughout Massive - no internal structure MBIO 32 cm		
10					20	30	40	50	60					70	80

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

Exp. 347	Site 60	Hole B	Core 4	Type H	Section 1
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Date 1/2/14	Time	Observers SCJ/TBJ
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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			Green-gray silty clay fine grained, well sorted
10				4/1			
20	o						fine sand rich 'pebbles' or interlayers not easily distinguished due to core surface quality,
30	o						
40							pebble clasts in fine clay throughout the core (≈ 7 total)
50	o						
60							
70							
80							
90							
100							
110							
120							
130							
140							
150							
160							



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

Exp. 347	Site 60	Hole B	Core 4	Type H	Section 3
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Date 1/2/14	Time	Observers SCJ/JBJ
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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
<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>19.5</p> </div> </div>				<p>2.5Y 5/1</p>		<p>Green-gray silty clay. Surface smeared during splitting Cavity @ base.</p>
0						
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 B	Core 6	Type H	Section 3
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Date 1/2/14	Time 20:30	Observers JBS/CST
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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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160					GREY 5/104			GREENISH GRAY, SILTY SANDY CLAY, INTER LAMINATED WITH CLAY SILT AND SANDY SILT, LAMINA 0.5 cm - 1 cm SIZE, VERY WELL SORTED, MODERATELY DISTURBED

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

Exp. 347	Site 60	Hole B	Core 7	Type H	Section 1
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Date 1/2/14	Time 20:40	Observers BT/EST
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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; align-items: center;">  <div style="margin-left: 5px;"> <p style="font-size: small; margin: 0;">0</p> <p style="font-size: small; margin: 0;">10</p> <p style="font-size: small; margin: 0;">20</p> <p style="font-size: small; margin: 0;">30</p> <p style="font-size: small; margin: 0;">40</p> <p style="font-size: small; margin: 0;">50</p> <p style="font-size: small; margin: 0;">60</p> <p style="font-size: small; margin: 0;">70</p> <p style="font-size: small; margin: 0;">80</p> <p style="font-size: small; margin: 0;">90</p> <p style="font-size: small; margin: 0;">100</p> <p style="font-size: small; margin: 0;">110</p> <p style="font-size: small; margin: 0;">120</p> <p style="font-size: small; margin: 0;">130</p> <p style="font-size: small; margin: 0;">140</p> <p style="font-size: small; margin: 0;">150</p> <p style="font-size: small; margin: 0;">160</p> </div> </div>									<p style="font-size: small; margin: 0;">6LEY1</p> <p style="font-size: small; margin: 0;">5/10YR</p>			<p style="font-size: small; margin: 0;">GREENISH GRAY CLAY, SILTY,</p> <p style="font-size: small; margin: 0;">INTERLAMINATED BY</p> <p style="font-size: small; margin: 0;">CLAY SILT AND SANDY SILT,</p> <p style="font-size: small; margin: 0;">LAMINA CM SIZE,</p> <p style="font-size: small; margin: 0;">VERY WELL SORTED</p> <p style="font-size: small; margin: 0;">FEW DISPERSED PEBBLES</p> <p style="font-size: small; margin: 0;">3MM SIZE,</p> <p style="font-size: small; margin: 0;">MODERATELY DISTURBED</p>

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

Exp. 347	Site 60	Hole B	Core 7	Type H	Section 3
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Date 8/2/14	Time 20:55	Observers JBJ/OSJ
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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											GREENISH GRAY, SILTY CLAY, INTERLAMINATED BY CLAY SILT AND SANDY SILT, LAMINA CM SIZE, VERY WELL SORTED, TO WELL SORTED, FEW SHELL FRAGMENTS MODERATELY DISTURBED.	

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	8	H	1

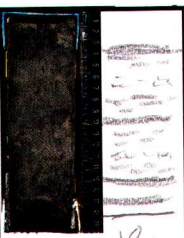
Date	Time	Observers
1/2/14	21:15	SCJ/JSJ

[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: 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: 1.2em; margin-top: 50px;">69.5</p>			<p style="font-size: 1.2em; margin-top: 10px;">10Y/4</p>		<p style="font-size: 1.2em; margin-top: 10px;">slight</p>	<p>Silty clay with fine grained silty sand laminae (con-scale)</p> <p>@ 16cm - white fragments - (shell?) (soft-chalk?)</p> <p>con scale black organic rich bands</p> <p style="margin-top: 100px; font-size: 1.5em;">MBIO</p>

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

Exp. 347	Site 60	Hole B	Core 8	Type H	Section 3
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Date 1/2/14	Time	Observers SCT
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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							10Y/4			Brown-gray silty clay with fine sands and black organic-rich clays interbedded. Surface smeared during splitting; no visible internal structures.
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 B	Core 9	Type H	Section 1
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Date 2/2/14	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	MBIO							Dark greenish gray (10y 4/1) interlaminated silty clay and very fine silty sand.
10								- 0-11 cm: highly disturbed
20								- black mottling/laminae at 19-20 cm and 24-25 cm
30								- possible discrete burrows at 37-38 cm, 61-62 cm, sparsely bioturbated (1)
40								- sand laminae are 1-1.5 cm, silty clay 1-3 cm
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 B	Core 9	Type H	Section 3
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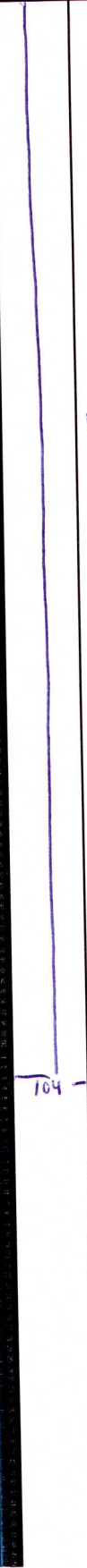
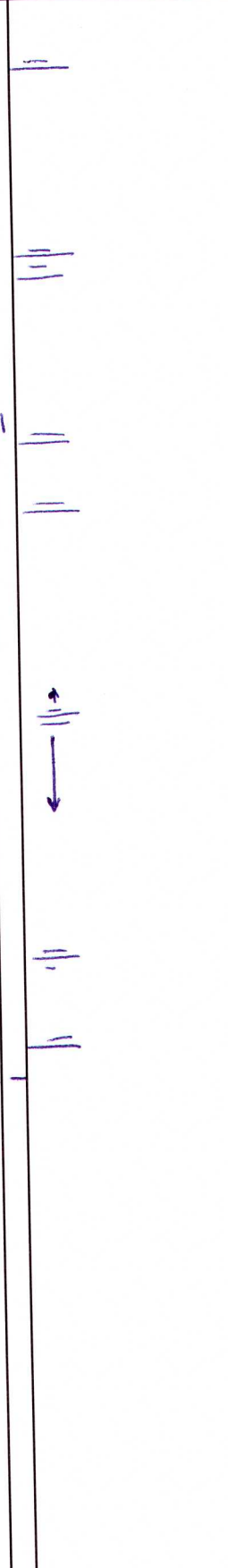

Date 02.02.14	Time 09:25	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Roundness w m vp bl r a	Color	Accessories	Core Disturbance	Description
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160		1	<p style="text-align: center;"><i>dark</i></p> <p>  sand laminae disrupted </p> <p style="text-align: center;">↓</p> <p style="text-align: center;"><i>Silty clay</i></p>					<p>dark grayish brown clay</p> <p>with disrupted fine sand laminae</p> <p>(0.5 cm thick)</p> <p>dark fine-grained at 9 cm</p> <p>well sorted to very well sorted</p> <p>no bioturbation visible</p> <p>slightly disturbed</p> <p>faint lamination by color</p>

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	10	H	1

Date	Time	Observers
2/2/14		MK/JP

[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0												<p>Dark grayish brown (2.5Y 4/2) clay with silt laminae, unequally spaced.</p> <p>Silt laminae are present at 6-7 cm, 24-28 cm, 40-42 cm, 49-50 cm, 67-78 cm, 90-96 cm, 100-102 cm</p> <p>Possible sparse bioturbation or loading</p> <p>0-2 cm: empty</p>
10												
20												
30												
40												
50												
60												
70												
80												
90												
100	104											
110												
120												
130												
140												
150												
160												

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

Exp. 347	Site 60	Hole B	Core 10	Type H	Section 2
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Date 2/2/14	Time	Observers MK/JP
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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	MBIO								<p>Dark grayish brown (2.5 μ/2) clay with silt laminae, unequally spaced; laminae at 60-61, 66-67, 82-91 (disrupted) and 130-135cm. possible loady or bioturbation at 82-91cm grey-black laminae at 27-28cm</p> <p>MBIO : 0-57cm MBIO : 145-150cm</p>

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

Exp. 347	Site 60	Hole B	Core 10	Type H	Section 3
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Date 2/2/14	Time	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			<div style="display: flex; justify-content: space-between;"> wmvpblra </div>						<p>Dark grayish brown (2.5 y 4/2) clay with silt laminae at 2, 12, 19, 24-37 (disrupted) 52-54 cm dark lamina in clay at 10-11 cm</p>

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

Exp. 347	Site 60	Hole B	Core 11	Type H	Section 1
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Date 02.14	Time 09:40	Observers MH/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure Fossils	Sorting Round-ness							Color	Accessories	Core Disturbance	Description	
					w	m	vp	bl	r	a						
0	MBIO			f.l. by color												dark grayish clay (2.5/4/2) with disrupted silt laminae
10				silt laminae												faint lamination by color
20				faint laminae by color												very well sorted
30				silt laminae												0.5 cm silt lamina thickness
40				f.l. by color												coysets of silt laminae at 33-37 cm, 47-52 cm, 65 cm - 67 cm
50				silt laminae												rhythmites
60				f.l. by color												local structures or sparse bioturbation
70				silt laminae												
80				silt nodules												
90																
100																
110																
120																
130																
140																
150																
160																

80-150 cm MBIO

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

Exp. 347	Site 60	Hole B	Core 11	Type H	Section 2
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Date 02.02.14	Time 09:56	Observers MK/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
						w m vp bl r	a				
0	MB10										0-6 MB10
10					○ ○ ○ ○ ○						• dark grayish brown clay (2.5Y 4/2) with
20					○ ○ ○ ○ ○						inter laminated silt laminae
30											completes at 17cm-23cm, 45-50cm, 64-70cm, 130-135cm
40											• very well sorted
50											• small sulphate band at 95-96cm
60											• color change to 10YR 4/2 → dark grayish brown (110cm)
70											• weak structures or sparse bioturbation
80											• slightly disturbed → 70-90cm surface disturbed (moderately) by splitting process
90											
100											
110											
120											
130											
140											
150	MB10										145-150 MB10
160											

unrefined duct? splittng?

silt laminae disrupted

veg + air lamination by color

silt laminae

f.l. by color

silt laminae disrupted

f.l. by color

black sulphate laminae

silt laminae

f.l. by color

silt ripple

f.l. by color



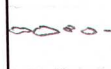

2.5Y 4/2

color more reddish 10YR 4/2

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

Exp. 347	Site 60	Hole B	Core 11	Type H	Section 3
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Date 02.02.14	Time 10:18	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	<div style="position: relative; height: 100%;"> 10YR 4/2 2.5Y 4/2 </div>			silt laminae disrupted											<ul style="list-style-type: none"> • dark greyish brown 2.5Y 4/2 clay with complex of disrupted silt/fine sand laminae 	
10				silt laminae disrupted											<ul style="list-style-type: none"> • very well sorted 	
20															<ul style="list-style-type: none"> • load structures or bioturbation 	
30					silt laminae disrupted											<ul style="list-style-type: none"> • 0-54 cm slightly disturbed
40					f.c. by color											<ul style="list-style-type: none"> • 54-67 cm highly disturbed → banded to the bottom
50					black sulphide and silt laminae banded down (disturbed)											<ul style="list-style-type: none"> • silt/sand laminae 0.5 cm thickness
60																<ul style="list-style-type: none"> • color change 0-10 cm (10YR 4/2) to 10-67 cm (2.5Y 4/2)
70																
80																
90																
100																
110																
120																
130																
140																
150																
160																

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

Exp. 347	Site 60	Hole B	Core 12	Type H	Section 1
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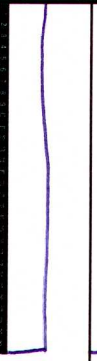
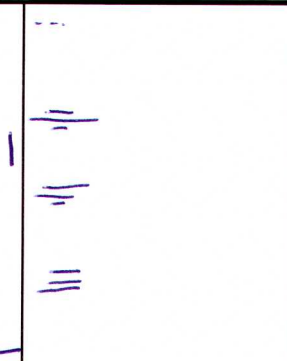
Date 2/21/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Round-ness w m vp bl r a	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 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>Dark gray (2.5 4/1) clay with packages of mm-scale silt laminae at 14-18, 28-45, 53-56, 73-87 cm; some laminae are disrupted by loading or bioturbation</p> <p>MBIO: 90-150 cm</p>

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

Exp. 347	Site 60	Hole B	Core 12	Type H	Section 3
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Date 2/2/14	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 gray (2.5Y 4/1) clay with silt laminae at 8-10 cm, 15-17 cm, 23-25 cm, disrupted by loading or bioturbation

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

Exp. 347	Site 60	Hole B	Core 13	Type H	Section 1
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Date 2/2/14	Time	Observers MK/SP
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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									<p>Dark gray (2.5Y 4/1) clay with mm-scale silt laminae, unequally spaced at 16-17, 25-62, 74-75 cm, 90-91 cm, 98-99 cm. Some disrupted due to loading or bioturbation. Some reddish colored bands at 6-16 cm, 69-74 cm.</p> <p>MBIO: 104-150 cm</p>

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

Exp. 347	Site 60	Hole B	Core 13	Type H	Section 2
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Date 2/2/14	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								0-27 cm: MBIO
10								
20								
30		↑						Dark gray (2.5Y 4/1) clay with mm-scale silt laminae at 27-43 cm, and 104 cm
40								
50		↓						Black bands in the clay at 79, 94-95, 101-102 cm, fainter one at 124-125 cm.
60								
70								
80								
90								
100								
110								
120								
130								
140							140-150 cm: MBIO	
150								
160								

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

Exp. 347	Site 60	Hole B	Core 14	Type H	Section 3
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Date 02.02.14	Time 11.30	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	[Photograph of core section]		<p>→ silt partings</p> <p>→ faint laminae by color</p> <p>→ silt partings</p> <p>→ black sul. lamina</p>						<ul style="list-style-type: none"> • dark gray clay with faint lamination by color and disrupted silt laminae (load structure or bioturbation possible) • black sulphide lamina at 33-34cm (mottled) • very well sorted • slightly disturbed • rhynchonella like
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 B	Core 15	Type H	Section 3
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Date 2/2/14	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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160											⚡ Dark gray (2.5Y 4/1) clay, highly disturbed ⚡ One black deformed (drilling disturbed) laminae at 22-27cm	

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	16	H	1


Date	Time	Observers
02/02/14	12:00	MM/SP

[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
					w m vp bl r a					
0	VOID		X VOID 0-3 cm							• surface disturbed
10										5441
20			very faint laminations by color							• dark gray clay with faint laminations and few silt laminae (disrupted) → bed structure or bioturbation possible
30			silt laminae disrupted							• very well sorted
40			laminations by color							• slightly disturbed
50			silt laminae disrupted							• silt laminae 0.3 mm thick
60										• 54 - 102 cm no silt laminae visible
70			very faint laminations by color							
80										
90										
100										
110										102 - 150 cm MBIO
120	MBIO									
130										
140										
150										
160										

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

Exp. 347	Site 60	Hole B	Core 17	Type H	Section 3
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Date 2/2/14	Time	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		0						0-1 cm void Dark gray (2.5Y 4/1) clay; 1 silt laminae at 37-38 cm; silt patches at 14-15 and 33-34 cm Black bands at 17-18 and 31-32 cm

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

Exp. 347	Site 60	Hole B	Core 18	Type H	Section 1
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Date 2/2/14	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											Dark gray (5Y 4/1) clay; 2 silt laminae at 61-63 cm, otherwise homogeneous with one gray color band at 17-18 cm faint color bedding, horizontal, planar	
10												
20												
30												
40												
50												
60												
70												
80												
90												
100												
110												
120												
130												
140												
150												
160												

MBIO: 92-150 cm

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	18	H	2

Date	Time	Observers
2/2/14		MK/SP

[cm]	Graphic Lith.	Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description	
						w m vp bl r a						
0	MBIO										MBIO: 0-98 cm	
10												
20												
30												
40												
50												
60												
70												
80												
90												
100											... Dark gray (5 y 4/1) clay silt patches at 108-123 cm, otherwise homogeneous; one black band at 107 cm and black mottling at 121-122 cm ...	
110												
120												
130												
140		MBIO										MBIO: 140-150 cm
150												
160												

MBIO

MBIO



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

Exp. 347	Site 60	Hole B	Core 18	Type H	Section 3
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Date 2/2/14	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
<div style="position: relative; height: 100%;"> 3 2cm void 3cm 40 50 2cm void </div>		<div style="position: relative; height: 100%;"> ↑ 0 ↓ </div>						<div style="position: relative; height: 100%;"> ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ ⋮ </div>	<p>Dark gray (5Y 4/1) clay with a few silt patches (disrupted laminae?) at 22-37cm and at at at 43cm</p> <p>Black color bands at 6-7, 13-14, 20-21 cm</p> <p>at 40-55 cm is highly disturbed by drilling.</p>

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

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

Date	Time	Observers
070214	14:10	MK/SP

[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Roundness										Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a								
0																	• dark gray clay with silt laminae of muds (disrupted, load structure or bioturbation possible) 5/4/1
10			→ black sulphide laminae														• very well sorted
20																	• black sulphate laminae / specks at 11m, 52-54cm, 70-72cm, 92cm, 98-100cm
30			Silt laminae disrupted														
40			silt muds														• faint to very faint lamination by color
50			silt mud black sul specks														
60			silt laminae disrupted faint laminae by color														
70			black sulphate by color														
80			→ silt laminae disrupted														
90			black sulphate specks														
100			black sulphate laminae														101-150 cm MBIO
110																	
120																	
130																	
140																	
150																	
160																	

MBIO

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

Exp. 347	Site 60	Hole B	Core 19	Type H	Section 2
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Date 02/02/14	Time 14:30	Observers MU/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
0	MBIO										
10	MBIO										
16-18	Void										
20-25	silt patch										
25-30	silt patch										
30-40	faint laminations by color										
40-50	faint laminations by color										
50-60	silt laminae disrupted										
60-70	faint laminations by color										
70-80	faint laminations by color										
80-90	faint laminations by color										
90-100	faint laminations by color										
100-110	faint laminations by color										
110-120	faint laminations by color										
120-130	black sulphate laminae										
130-140	silt laminae disrupted										
140-150	black sulphate specks										
150-160	MBIO										
0-16 cm	MBIO										
0-16 cm	<ul style="list-style-type: none"> • dark gray clay with faint lamination by color and few silt laminae / patches (disrupted, load structures or bioturbation) 5/4/1 • very well sorted • slightly disturbed • black sulphate specks/laminae at 124-127 cm, 132-143 cm • very thick 										
143-150 cm	MBIO										

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

Exp. 347	Site 60	Hole B	Core 19	Type H	Section 3
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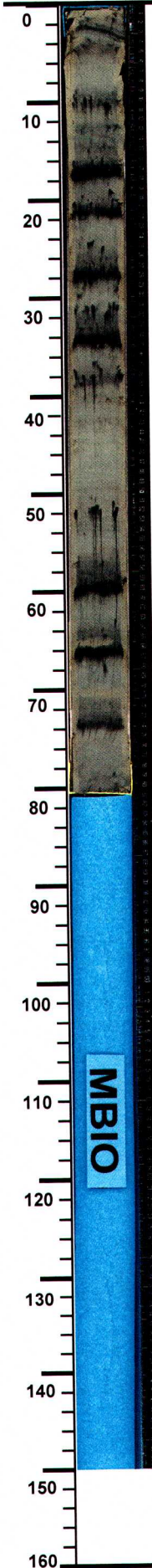
Date 02/02/14	Time 14:45	Observers MG/SP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Round-ness							Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a					
0			black sulphide → laminar											• dark gray clay with very faint lamination and black sulphate laminae (sp. 544)
10			chalk? shell fragment?											• spots (partly dispersed)
20			black spots											• very well sorted
30			black sulphide can											• shell or chalk fragments at base
40			cc?											• slightly disturbed at 0-30cm
50														• core catcher at the bottom of section 3
60														• 30-42cm ?
70														⇒ possible highly disturbed
80														
90														
100														
110														
120														
130														
140														
150														
160														

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

Exp. 347	Site 60	Hole B	Core 20	Type H	Section 1
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Date 2/2/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	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															



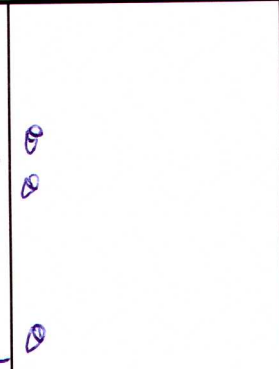
Gray (5Y 5/1) ^{weakly} ~~caudally~~ laminated silty clay numerous black bands, some mottled; some silt patches at 31-43 cm and 57-76 cm; possible sparse (?) bioturbation

MBIO: 80-150 cm

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

Exp. 347	Site 60	Hole B	Core 20	Type H	Section 3
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Date 2/2/14	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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160				Sorting Roundness scale (w, m, vp, bl, r, a)									Gray (5Y 5/1) silty clay; homogeneous, with black color bands, possibly sparsely (i) bioturbated with discrete burrows at 10-12, 16-17, 27-30 cm - well sorted

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

Exp. 347	Site 60	Hole B	Core 21	Type H	Section 1
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Date 2/1/14	Time 15:50	Observers JBI/COSJ
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description											
					w	m	vp	bl	r					a										
0																								
10													<p>54 6/1</p>											
20													<p>17 cm</p>											
30													<p>GRAY, CLAY, WEAK CONTENTS OF SILT-VERY FINE SAND CLAY, WEAK LAMINATION</p>											
40													<p>BY COLOR, CM SIZE BLACK BANDS CM SIZE IRON SULFID, AT 22CM, 33CM, 46CM, 50CM, 62CM,</p>											
50													<p>UPPERMOST 14CM HEAVILY DISTURBED, REST SLIGHTLY DISTURBED,</p>											
60													<p>MBIO</p>											
70													<p>MBIO</p>											
80													<p>MBIO</p>											
90													<p>MBIO</p>											
100													<p>MBIO</p>											
110													<p>MBIO</p>											
120													<p>MBIO</p>											
130													<p>MBIO</p>											
140													<p>MBIO</p>											
150													<p>MBIO</p>											
160													<p>MBIO</p>											

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

Exp. 347	Site 60	Hole B	Core 21	Type H	Section 2
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Date 2/1/14	Time 15:55	Observers JBT / CSJ
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[cm]	Graphic Lith. Bioturb.	Structure	Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0	MBIO											
10												
20												
30												
40												
45												
50												
55												
60												
65												
70												
75												
80												
85												
90												
95												
100												
105												
110												
115												
120												
125												
130												
135												
140												
145												
150	MBIO											
155												
160												

MBIO
54
6/1

GRAY, CLAY, WEAK CONTENTS OF SILT-VERY FINE SAND,
WEAK LAMINATION BY COLOR, CM SIZE,
BLACK BANDS IRON SULFIDE AT 67CM, 78CM, 85CM, 93CM
LOWER BOUNDARY SHARP,
SLIGHTLY DISTURBED
VERY WELL SORTED

94
2.54/5/2
97

GRAYISH BROWN, SAND VERY FINE, MASSIVE, VERY WELL SORTED, WELL ROUNDED, CUBIC QUARTZ, GRADUAL BOUNDARY SLIGHTLY DISTURBED.

54
6/1

GRAY, CLAY, WEAK CONTENTS OF SILT AND VERY FINE SAND,
WEAK LAMINATION BY COLOR,
BLACK BANDS IRON SULFIDE AT 116CM, 128CM,
SLIGHTLY DISTURBED.

MBIO

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

Exp. 347	Site 60	Hole B	Core 21	Type H	Section 3
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Date 2/7/14	Time 16:00	Observers JBJ/CST
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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								54 6/1			GRAY, CLAY, WEAK CONTENTS OF SILT - VERY FINE SAND. BLACK BAND IRON SULFIDE, MODERATELY TO HEAVY DISTURBED, BY CORING. VERY WELL SORTED.	

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

Exp. 347	Site 60	Hole B	Core 22	Type H	Section 1
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Date 2/2/14	Time 15:50	Observers SCJ/TBJ
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting Roundness										Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r	a								
0																5/1	mod	Green gray clay, fine grained
10																5/1	slight	well sorted faint cm-scale laminations throughout with cm-scale black sulphidic bands
20																		
30																		
40																		@ 40cm - shell fragment, cm-scale
50																		Large black layer - cm scale black, organic rich - sulphidic clays. Have been smeared so appear thicker in image
60																		
70																		
80																		
90																		
100																		
110																		
120																		
130																		
140																		
150																		
160																		

MBIO

103cm

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

Exp. 347	Site 60	Hole B	Core 22	Type H	Section 2
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Date 2/2/14	Time	Observers
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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	MBIO								slight	<p>Gray clay. Fine grained and well sorted, cm scale laminations. Black cm scale sulphidic layers.</p> <p>Some fine grained sand patches @ base.</p>
							SY/ 51			

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

Exp. 347	Site 60	Hole B	Core 23	Type H	Section 1
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Date 2/2/14	Time	Observers SCJ/JSJ
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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			<div style="text-align: center;"> </div>		5/1 5/1			<p>Green-gray clay, Fine grained well sorted with cm-scale lamination. Interbedded cm scale black, organic-rich/sulphidic bands,</p> <p>Some mm-scale fine sand-silt interbeds</p>
			79 cm					

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

Exp. 347	Site 60	Hole B	Core 24	Type H	Section 1
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Date 2/11/14	Time 17:40	Observers BJ/CSJ
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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	MBIO					2.5y 5/2			GRAYISH BROWN, CLAY, WEAK LAMINATION BY COLOR, CM SIZE, SLIGHTLY DISTURBED,
10									
20									
30									
40									
50									
60									
70									
80									
90							MB10	85	
100									
110									
120									
130									
140									
150									
160									

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

Exp. 347	Site 60	Hole B	Core 25	Type H	Section 1
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Date 2/2 14	Time 17:00	Observers JBJ/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	MBIO									2.54 5/4			GRAY, CLAY, MASSIVE TO VERY WEAK LAMINATION, C6-173 LAMINATION BY INCREASED SILT CONTENTS, VERY WELL SORTED, SLIGHTLY DISTURBED.	
10														
20														
30														
40														
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

MB31 103

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

Exp. 347	Site 60	Hole B	Core 26	Type H	Section 1
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Date 2/2/14	Time 17:30	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							2.5Y			GRAY, CLAY,
10							5/1			WEAK LAMINATION BY COLOR, Finegrained, well sorted
20										Some fine silty sand layers (mm-scale) and increase in frequency towards the base.
30										
40										
50										@ 26 cm - cm scale sub rounded clast of limestone
60										
70										Lamination intensity increases towards base.
80										
90										
100										
110										
120										
130										
140										
150										
160										

MBIO

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

Exp. 347	Site 60	Hole B	Core 26	Type H	Section 3
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Date 2/2/16	Time	Observers SCJ
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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						2-5Y 5/1			<p>Soupy, fragmented core.</p> <p>Gray clay. some faint lam in less disturbed patches?</p>

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

Exp.	Site	Hole	Core	Type	Section
347	60	B	27	H	1

Date	Time	Observers
2/2 14	17:50	TBJ/CST

[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 style="text-align: center;">○ PEBBLE</p>						<p style="text-align: center;">54</p> <p style="text-align: center;">5/1</p>			<p>GRAY, CLAY, INTERLAMINATED WITH SILT LAMINA, CLAY ABOUT 0.5-1CM, SILT OF 26μ HORIZONTAL LAMINATION, VERY WELL SORTED SLIGHTLY DISTURBED ONE PEBBLE 40CM Ø, 5CM,</p>

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

Exp. 347	Site 60	Hole B	Core 27	Type H	Section 2
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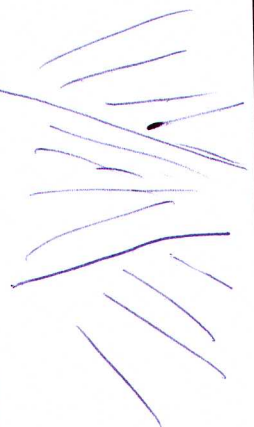
Date 2/2/14	Time 17:58	Observers JBJ/CSJ
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting w m vp bl r a	Round-ness	Color	Accessories	Core Disturbance	Description
0	MB10								
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150	MB10								
160									

MB10 50cm

54
5/1

CLAY AND SILT - VERY FINE SAND, LAMINATED, CROSS LAMINATION, LARGE SCALE. LAMINA ABOUT 0.5 CM SIZE, VERY WELL SORTED SLIGHTLY DISTURBED. UPPERMOST 40 CM MOSTLY SILT - VERY FINE SAND.





MB10 144.

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

Exp. 347	Site 60	Hole B	Core 27	Type H	Section 3
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Date 8/2/14	Time 18:05	Observers JBJ/CST
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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									54 5/1			CLAY AND SILT - VERY FINE SAND, LAMINATED, CLAY LAMINA - CM SIZE ABOUT 4 CM, SILT-CLAY LAMINATION ABOUT 0.2 CM SIZE, VERY WELL SORTED, SLIGHTLY DISTURBED.

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

Exp. 347	Site 60	Hole B	Core 28	Type H	Section 1
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Date 2/2/16	Time	Observers SCJ/SBJ
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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>Grey clay with mm-scale fine grained sandy interbeds. cm-scale mud colour laminations appear heavily deformed.</p>	
10													
20													
30													
40													
50													
60													
70													
75													MBIO
80													
90													
100													
110													
120													
130													
140													
150													
160													

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

Exp. 347	Site 60	Hole B	Core 28	Type H	Section 2
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Date 2/2/14	Time	Observers SCO/JBJ
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[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: 20px;">0</div> <div style="margin-bottom: 20px;">10</div> <div style="margin-bottom: 20px;">20</div> <div style="margin-bottom: 20px;">30</div> <div style="margin-bottom: 20px;">40</div> <div style="margin-bottom: 20px;">50</div> <div style="margin-bottom: 20px;">60</div> <div style="margin-bottom: 20px;">70</div> <div style="margin-bottom: 20px;">80</div> <div style="margin-bottom: 20px;">90</div> <div style="margin-bottom: 20px;">100</div> <div style="margin-bottom: 20px;">110</div> <div style="margin-bottom: 20px;">120</div> <div style="margin-bottom: 20px;">130</div> <div style="margin-bottom: 20px;">140</div> <div style="margin-bottom: 20px;">150</div> <div style="margin-bottom: 20px;">160</div> </div>									<p>Gray clay. Fine grained well sorted. Some fine sand dominated horizons.</p> <p>Surface smeared and smooth with cavity at the base and top corners.</p> <p>No visible lamination</p>