

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

Exp. 347	Site 61	Hole A	Core 1	Type H	Section 1
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Date 2/1/14	Time 18:40	Observers JBS/MSJ
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting					Round-ness	Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r					
0														GREENISH GRAY - BLACK
10														TOP 40 CM MOSTLY GREENISH GRAY, DOWNWARDS GETTING MORE BLACK,
20														CLAY, ORGANIC RICH, LOOSE,
30														LAMINATED TO WEAK LAMINATED, SMEARED OUT, MM SIZE LAMINA,
40														VERY WELL SORTED
50														SMALL DISPERSED VOIDS DUE TO GAS EXPANSION.
60														SLIGHTLY DISTURBED,
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

GLY1
5/204
/
GLY1
25/W

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

Exp. 347	Site 61	Hole A	Core 2	Type H	Section 1
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Date 2/2/14	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	a					
0			methane escape ○ ○										mod	Green gray - black clay fine grained, with mm-scale colour laminations Organic-rich
10														
20														
30													slight	Surface down to 30cm distorted with methane escape bubbles.
40														
50														
60														104/3 N/2.5
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

minor oxidation along
edges and through cracks

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

Exp. 347	Site 61	Hole A	Core 2	Type H	Section 2
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Date 2/2/14	Time	Observers SJS/JST
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Roundness					Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r				
0												
10												@ 7cm cm-scale wood fragment
20												Green-gray clay, Fine grained, well sorted with faint mm-scale colour laminations
30												
40												surface degradation and along core liner in places.
50												
60												
70												
80												oxidation along cracks
90												
100												
110												
120												
130												
140												
150												
160												

R

10Y/4

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

Exp. 347	Site 61	Hole A	Core 2	Type H	Section CC
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Date 2/2/14	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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160	[Redacted]		[Horizontal lines]							10Y/4		Slight	Green-gray clay, fine grained well sorted. mm-scale colour lamination in cyclic patterns.

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

Exp. 347	Site 61	Hole A	Core 3	Type H	Section 1
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Date 2/2/14	Time 14:40	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	a					
0										GLAY			DARK GREENISH GRAY, GRAY,
10										4/10			SILTY-SANDY CLAY,
20										1			FINE LAMINATED MM
30										GLAY			SIZE, BUNDLED, 2-5 CM
40										5/N			BUNDLES
50													SILT LAMINA AT 68 CM,
60													103 CM,
70													VERY WELL SORTED
80													SLIGHTLY DISTURBED.
90													
100													
110													
118													118 CM
120										GLAY			DARK GREENISH GRAY, SILTY-
130										4/10			SANDY CLAY, WEAK LAMINATION
140													BY COLOR, MM-0.5CM SIZE,
150													VERY WELL SORTED,
160													SLIGHTLY DISTURBED.

= VOID

118

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

Exp. 347	Site 61	Hole A	Core 3	Type H	Section 2
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Date 2/2 14	Time 19:52	Observers JBT/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																		DARK GREENISH GRAY, 12CM SILTY-SANDY CLAY, WEAK LAMINATION, BY COLOR, VERY WELL SORTED, MODERATELY DISTURBED.	
10																		GRADUAL BOUNDARY	
20																		DARK GREENISH GRAY AND BLACK, SILTY-CLAY, LAMINATED, 0.2CM SIZE, VERY WELL SORTED, GRADUAL BOUNDARY	
30																		SLIGHTLY DISTURBED.	
40																			
50																		INTERVAL 16 - 58 DOMINATED BY BLACK LAMINA IRON SULFIDE,	
60																		INTERVAL 58 - 114 DOMINATED BY GRAY LAMINA.	
70																		LOWER BOUNDARY SOFT SEDIMENT DEFORMATION.	
80																		SHARP LOWER BOUNDARY.	
90																			
100																			
110																		DARK GREENISH GRAY, SILTY-CLAY, CONTORTED, VERY WELL SORTED.	
120																		LOWER BOUNDARY SOFT SEDIMENT DEFORMATION.	
130																		SHARP LOWER BOUNDARY	
140																		GRAY, CLAY, VERY WELL SORTED, HEAVILY DISTURBED.	
150																			
160																			

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

Exp. 347	Site 61	Hole A	Core 3	Type H	Section CC
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Date 2/2/14	Time 20:20	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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160				GREY 5/7			GRAY, CLAY, VERY WELL SORTED, SOOPY.

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

Exp. 347	Site 61	Hole A	Core 4	Type H	Section 1
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Date 2/3/14	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								Very dark gray (N3) clayey silt, planar parallel laminae ~ 2 mm thick 0-104 cm is highly disturbed by drilling 104-150 cm: moderately disturbed (laminae visible) 132-140 cm				

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

Exp. 347	Site 61	Hole A	Core 4	Type H	Section 2
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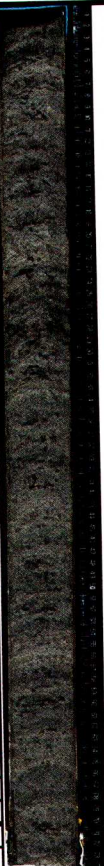


Date 2/3/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting Round-ness						Color	Accessories	Core Disturbance	Description
				w	m	vp	bl	r	a				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160				[Sorting and Roundness columns are empty]									Very dark gray (N3) clayey silt, planar parallel laminae; drilley mud between laminae; lamina thickness ~ 2mm Core is highly disturbed by drilling

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

Exp. 347	Site 61	Hole A	Core 4	Type H	Section 3
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Date 03.02.14	Time 08.00	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			 <p style="margin-left: 20px;"> <i>dates wins layer (clayey silt)</i> </p>						<ul style="list-style-type: none"> • dark greenish gray interlaminated clayey silt, and silt (10Y 4/1) • very well sorted • rhythmites, perhaps varves? • fining-upwards within one laminae (silt → (silty) clay) • lamination visible & changes in grain size and color • thickness of rhythmites ~1-4 cm • ~32 varves in section • slightly to moderately core disturbance (laminae banded down along core liner) • a lot of small voids (gas?) • some dark clayey silt parts (top of varves) are slightly disrupted • possible sparse to uncommon bioturbation

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

Exp. 347	Site 61	Hole A	Core 6	Type H	Section 1
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Date 2/3/14	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									<p>Very dark greenish gray clayey silty core is sludge, very wet; highly disturbed</p> <p>(10 Y 3/1)</p>

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

Exp. 347	Site 61	Hole A	Core 6	Type H	Section 2
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Date 2/3/14	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	a				
0	[Photograph of core sample]									Very dark greenish gray silt; (10Y 3/1) highly 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 61	Hole A	Core 7	Type H	Section 1
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Date 03.02.14	Time 09:20	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							<ul style="list-style-type: none"> • dark greenish gray silty sand • Soupy (10Y 4/1) • no sedimentary features visible • mostly fine-sand • mica flakes common 	

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

Exp. 347	Site 61	Hole A	Core 7	Type H	Section 2
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Date 03.02.14	Time 09:25	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 sample]							000	<ul style="list-style-type: none"> • dark greenish gray silty sand (10Y 4/1) • no sedimentary features visible • mostly fine-sand • mica flakes common
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 61	Hole A	Core 7	Type H	Section 3
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Date 03.02.14	Time 09:30	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								<ul style="list-style-type: none"> • dark greenish gray sandy silt (10Y 4/1) • no sedimentary features visible • mostly fine sand • mica flats common

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

Exp. 347	Site 61	Hole A	Core 8	Type H	Section 1
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Date 03.02.14	Time 10:70	Observers M4 JSP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting	Roundness	Color	Accessories	Core Disturbance	Description
				w m vp bl r	a				
0	[Photograph of core section]								<ul style="list-style-type: none"> dark gray silty sand with interbeds of clayey silt and sand
10			homogeneous silty sand						<ul style="list-style-type: none"> well sorted (5/4/1)
20			clayey silt interbedded						<ul style="list-style-type: none"> 0 - 50cm highly disturbed 50 - 130cm soupy 130 - 150cm highly disturbed
30			silty sand						<ul style="list-style-type: none"> sedimentary feature visible well sorted
40			clayey silt						
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

no sedimentary structures visible

silt + med. sand (chromocyanous)

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

Exp. 347	Site 61	Hole A	Core 8	Type H	Section 2
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Date 03.07.14	Time 10:30	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description	
0											<ul style="list-style-type: none"> • dark gray with bedded • medium sand and clayey silt (57-81) • well sorted • moderately disturbed • mica flakes • 0-82cm moderately disturbed • 82-90cm soupy • 0-64cm fining upwards (medium sand → silty sand) ↳ homogeneous • 64-82cm with laminated clayey silt and medium sand ↳ medium sand on bottom of lamina → fining upwards to clayey silt • sharp bottom and top of each lamina • lamina about 2-5cm in thickness
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 61	Hole A	Core 8	Type H	Section 3
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Date 03.02.14	Time 10:40	Observers MK/SP
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[cm]	Graphic Lith.	Lith.	Bioturb.	Structure Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">0</div> <div style="margin-bottom: 10px;">10</div> <div style="margin-bottom: 10px;">20</div> <div style="margin-bottom: 10px;">30</div> <div style="margin-bottom: 10px;">40</div> <div style="margin-bottom: 10px;">50</div> <div style="margin-bottom: 10px;">60</div> <div style="margin-bottom: 10px;">70</div> <div style="margin-bottom: 10px;">80</div> <div style="margin-bottom: 10px;">90</div> <div style="margin-bottom: 10px;">100</div> <div style="margin-bottom: 10px;">110</div> <div style="margin-bottom: 10px;">120</div> <div style="margin-bottom: 10px;">130</div> <div style="margin-bottom: 10px;">140</div> <div style="margin-bottom: 10px;">150</div> <div style="margin-bottom: 10px;">160</div> </div>				<p style="margin-left: 20px;">silty sand (homogeneous)</p> <p style="margin-left: 20px;">↑ clayey silt (homogeneous)</p> <p style="margin-left: 20px;">↑ fining upwards sand/silt</p>						<p>gray (5Y 5/1) silty sand and clayey silt</p> <ul style="list-style-type: none"> • well sorted • mica flakes • fining upward 79-40cm • silty sand (homogeneous) 0-40cm

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

Exp. 347	Site 61	Hole A	Core 9	Type H	Section 1
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Date 2/3/14	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	[Photograph of core]	[Lithology sketch]							Dark gray (SY 4/1)
10									0-43 cm: medium sand; washed
20									organic? debris, grain shapes subangular to subrounded
30									43-150 cm: fine and very fine sand, washed
40									core is very wet
50									mica is abundant
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

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

Exp. 347	Site 61	Hole A	Core 9	Type H	Section 2
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Date 2/3/14	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 sample]															Dark gray (5Y 4/1) fine sand, wet mica is abundant
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 61	Hole A	Core 9	Type H	Section 3
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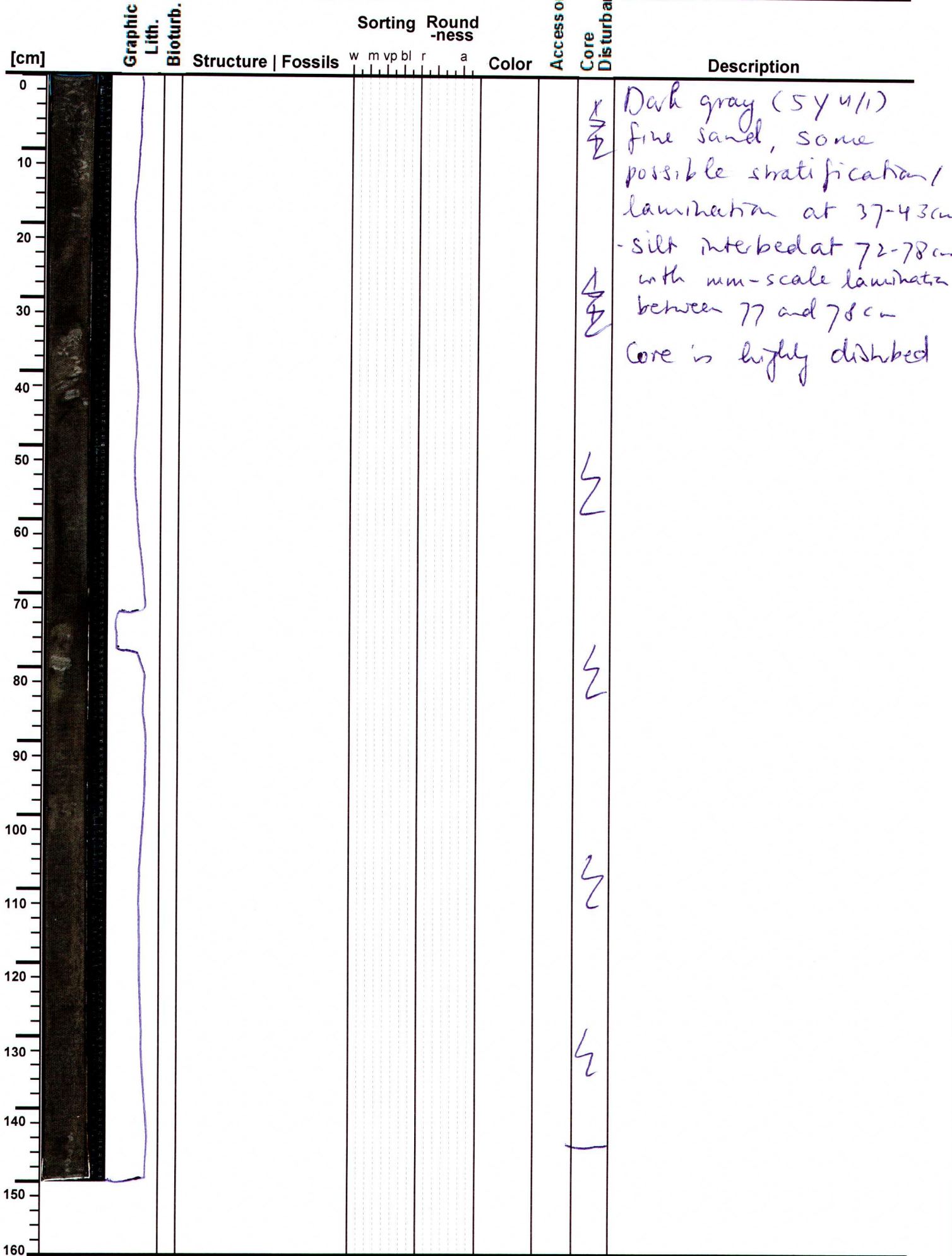
Date 2/3/14	Time	Observers MK/JP
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[cm]	Graphic Lith.	Bioturb.	Structure	Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
					w m vp bl r	a				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160	[Redacted]									Dark gray (5Y 4/1) fine sand, wet abundant mica soupy

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

Exp.	Site	Hole	Core	Type	Section
347	61	A	10	H	1

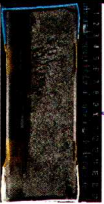
Date	Time	Observers
2/3/14		MK/SP



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

Exp. 347	Site 61	Hole A	Core 10	Type H	Section 3
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Date 2/3/14	Time	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			Two small blue oval marks representing fossils or structures.				1 1 1	Dark gray (5Y 4/1) medium sand, massive, 2 gravel clasts at 8cm and at 12cm