


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

Exp. 347	Site 66	Hole A	Core 2	Type H	Section 2
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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 vp bl r	a				
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160						10YR 4/2		mod	Brown clay, well sorted with faint mm-scale silty-clay laminations over cm-scale intervals, becoming more pronounced towards base.

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

Exp. 347	Site 66	Hole A	Core 2	Type H	Section 3
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Date 15/2/14	Time	Observers SCT/JBT
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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 5/1			Brown to gray laminated clay. Laminations mm- to cm-scale occurring over cm-scale intervals

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

Exp. 347	Site 66	Hole A	Core 3	Type H	Section 1
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Date 15/2/14	Time 18:10	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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160													2.5 6/1	GRAY, CLAY AND SILT, ^{VERY FINE SAND} INTERLAMINATED. UPPERMOST 15CM HEAVILY DISTURBED. CLAY LAMINA 0,5 - 1CM SCALE SILT LAMINA 0,5 - 5CM VERY FINE SAND HORIZONTAL LAMINATION, WELL SORTED, MODERATELY DISTURBED.

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

Exp. 347	Site 66	Hole A	Core 3	Type H	Section 2
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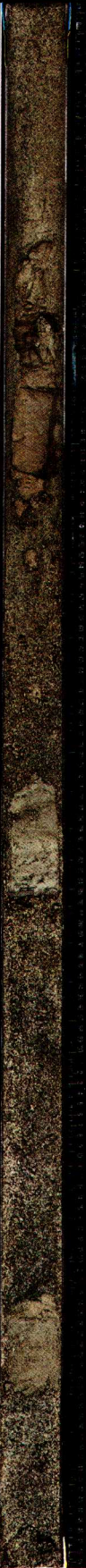
Date 12/2/14	Time 18:20	Observers JBJ/MSJ
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[cm]	Graphic Lith.	Lith. Bioturb.	Structure	Fossils	Sorting Roundness											Color	Accessories	Core Disturbance	Description
					w	m	vp	bl	r	a									
0																2.54			GRAY, SILT-VERY FINE SAND, INTERLAMINATED WITH CLAY ONLY FEW CLAY LAMINA, 1CM SCALE
10																6/7			
20																			
30																			SILT-VERY FINE SAND LAMINA 20-30CM SCALE.
40																			FEW CLAY LAMINA
50																			MODERATELY TO HEAVILY DISTURBED.
60																			VERY WELL SORTED.
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			
160																			

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

Exp. 347	Site 66	Hole A	Core 4	Type H	Section 1
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Date 15/2/14	Time	Observers SCJ/TBS
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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									2.5Y 5/1		Soupy	<p>Gray med grained sand-silt. Mod. well sorted with biotite and other opaques composing ~15-20%</p> <p>Massive - no internal structure homogenous.</p> <p>Soupy with core loss to 55cm, still water-logged after that.</p> <p>33-47cm Fine sand-silt inter bed</p> <p>75-85cm Fine sand-silt</p> <p>124-132cm Fine sand-silt sand coarsens towards base</p>
												slight

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

Exp. 347	Site 66	Hole A	Core 4	Type H	Section 2
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Date 15/2/14	Time	Observers SJT/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 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160						2.5Y 5/1		sample	<p>Med-coarse grained sand-silt with some coarse calcite, biotite and other opaques.</p> <p>Homogenous and massive</p> <p>Approx 45% mass loss between 38cm and 100cm water saturated and disturbed.</p>

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

Exp. 347	Site 66	Hole A	Core 6	Type H	Section 1
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Date 15/2/14	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	a				
0	[Photograph of core sample]								Brown gray med sand silt with opaques \approx 20% including biotite \approx 15% and oxides/detritus \approx 5%. Massive, homogenous.
10						2.5Y			
20						5/2		5dps	
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

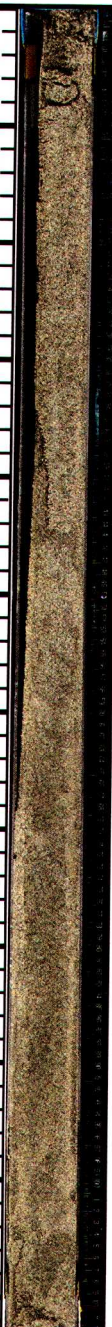
5dps

mass loss

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

Exp. 347	Site 66	Hole A	Core 6	Type H	Section 2
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Date 15/2/14	Time	Observers SCS/JSB
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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					2.5φ 6/2		mod	Med grained - silty sand with opaques ≥ 15%. Massive, homogenous Core mass loss along edge, water-rich in places, darker patches

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

Exp. 347	Site 66	Hole A	Core 10	Type N	Section 1
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Date 15/2/14	Time	Observers SCJ/SJS
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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	(12)									2.5Y		Poor	Muddy clast-rich diamict.
10		(10)								4/1		Slight	Clasts $\geq 10\%$ Scratching and some washing from splitting Fine sand-silt-clay supporting clasts of gravel to 5mm size clasts of varying sources (polymict) Clasts predominantly angular to sub angular comprising limestone, sandstone and others.
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 66	Hole A	Core 11	Type N	Section 1
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Date 15/2/14	Time	Observers SCS/JBS
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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									2.5Y 4/1		slight	<p>Gray fine sand - silt (dominated) - clay matrix supporting clasts ranging from granule to cm-scale.</p> <p>Clasts angular to sub rounded and include limestone, sandstone and metamorphic (guess?)</p> <p>Muddy clast-poor diamict</p> <p>Sand washing / draping towards the base.</p>

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

Exp. 347	Site 66	Hole A	Core 12	Type N	Section 1
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Date 16.02.14	Time 09:00	Observers MKSP
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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			<p style="text-align: center;"><i>clast</i></p> <p style="text-align: center;">brecciated (drilly?)</p> <p style="text-align: center; font-size: 2em;">homogeneous</p> <p style="text-align: center;">clay silt laminar (disrupted)</p>					<p style="text-align: right;">(34/41)</p> <ul style="list-style-type: none"> • dark gray sandy silt with dispersed clast • moderately well sorted • no bioturbation visible • mostly homogeneous with some isolated laminated parts • 0-10 cm brecciated with wavy escape structures • → possible due to drilly (soft) • relatively stiff • core cutting with saw • dispersed coarse sand grains

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

Exp. 347	Site 66	Hole A	Core 13	Type N	Section 1
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Date 2/16/14	Time	Observers TK/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								12	<p>Dark gray (5Y4/1) sandy, clayey silt with dispersed clasts; contorted, ^{wispy} laminae are present throughout. clasts are up to 6 mm in diameter, at 30-31 cm, 53-54 cm, 65 cm.</p> <p>0-12 cm is fractured (moderately disturbed) - sand fraction contains a lot of glauconite</p> <p>81-132 cm: Interlaminated clayey silt and sandy silt/sand; Spacing of 2-4 mm thick clayey silt laminae increases from bottom to top from 0.5 cm to 1-2 cm. Between clayey silt laminae is fine to medium glauconitic sand at the bottom grading to fine sandy silt at the top of the interval.</p> <p>129-132: a lot of glauconite</p>

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

Exp. 347	Site 66	Hole A	Core 15	Type N	Section 1
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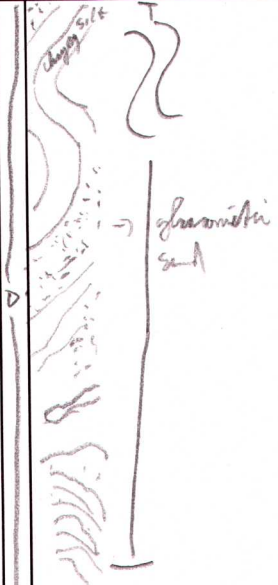
Date 2/16/14	Time	Observers MK/SP
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[cm]	Graphic Lith.	Bioturb.	Structure Fossils	Sorting	Round-ness	Color	Accessories	Core Disturbance	Description
				w m vp bl r a					
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160								3 6	0-6 cm: highly disturbed Dark gray (5Y 4/1) parallel laminated silty fine sand with mud laminae at 12 cm and 17 cm

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

Exp. 347	Site 66	Hole A	Core 16	Type N	Section 1
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Date 16.02.14	Time 09:10	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													<ul style="list-style-type: none"> 1 - dark gray sandy, clayey silt (54%) 1 - inter-laminated glauconitic-violet medium sand (NS% glauconitic) 1 - Continuation by grain size 1 - Convolute bedding 1 - Continuation in mm-cm scale 1 - no bioturbation 1 - moderately to highly disturbed 1 - sand grains subrounded - well rounded

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

Exp. 347	Site 66	Hole A	Core 19	Type H	Section 1
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Date 16.02.14	Time 09:40	Observers MK/SP
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[cm]	Graphic Lith.	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	0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160											<ul style="list-style-type: none"> • dark gray siltstone (544/1) • Soupy • seems to be more silt to the top • one metamorphic gravel (3cm Ø) at 47.5cm • no sed. structures visible • moderately well to well sorted • glauconite ca. 1-3% 	

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

Exp. 347	Site 66	Hole A	Core 19	Type H	Section 2
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Date 16.02.14	Time 10:10	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]		<div style="position: relative; height: 100%;"> ↑ ↓ </div>										<ul style="list-style-type: none"> • dark greenish gray meli sand • 0-86cm mostly highly disturbed → 86cm - 141cm perhaps also disturbed • one silt layer at 62-65cm → laminar & mm-scale • homogeneous with no visible sed. structures • glauconite content ~5% (reworked cretaceous green sand?) • well sorted • bioturbation visible 		
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90															
100															
110															
120															
130															
140															
150															
160															

sandy, mixed

silt layer?

homogeneous meli sand

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(3)

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

Exp. 347	Site 66	Hole A	Core 20	Type N	Section 1
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Date 2/16/14	Time	Observers TK/JP
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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>Dark greenish gray (10GY 4/1) medium sand; weak horizontal stratification</p> <p>brown clay band at 9-10 cm and 3-4 cm</p> <p>0-2 cm: void (water)</p> <p>Sediment is water-logged.</p> <p>Abundant glauconite</p>	

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

Exp. 347	Site 66	Hole A	Core 21	Type N	Section 1
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Date 2/16/14	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												1 1 — Dark greenish gray (10GY 4/1) medium sand with a fragment of green muddy fine sand, probably glauconitic sand (basement?)