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Vibracore Description Sheet

Core ID: 09WCC01-01 (Site #13)
Latitude: 29.61517
Longitude: -92.6450
Date Vibracored: 4/29/09
Geographic Location: Rockefeller WR-(Eastern (West of transect) Marsh

Date Described: May 4th 2009
Described By: C. Dreher
Core Penetration: 50cm
Core Length: 43cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meters)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
0.1					0-4 & 47-50 - Noodle
0.2		DK-M-DK-M-DK-M			4-47cm Giant Root mat mixed w/alternating Browns (DK-Med) Clay-Muds. The DK Brown areas have little or less seds (Clay). DK Brown spongy Roots areas are (4-9cm) organics mix w/Roots. Also 23-27cm & 32-36 are spongy Root mats. Rest are Roots w/Med Brown Clay-Mud.
0.3					
0.4					
0.5					
0.6					
0.7					
0.8					
0.9					
1.0					
1.5		Alternating Brown (Dark (DK, Medium (M))			
2.0					
2.5					
3.0					
3.5					
4.0					
4.5					
5.0					

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Vibracore Description Sheet

Core ID: 09WCC01.02 (Site #1)
Latitude: 29.6322
Longitude: -92.5786
Date Vibracored: 4/28/09
Geographic Location: Rockefeller WR - Eastern (West under impoundment) Marsh

Date Described: May 4th 2009
Described By: C. Dreher
Core Penetration: 50 cm
Core Length: 45 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meters)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
0	0.1				
5	0.2				0-15cm Brown w/ Roots & Mudy Clay
10	0.3				15-20cm Dk. Brown Root mat w/ Clay-Mud
15	0.4				20-29cm Lt. Gray clay w/coffee ground organic peppered throghout. Root @ 29-31cm + contact
20	0.5				29-38cm Mottled olive gray clay w/ Black organic coffee grounds increassing
25	0.6				
30	0.7				
35	0.8				
40	0.9				
45	1.0				
50					
	1.5				38-48cm - Black-Brown Mud mainly all organic coffee grounds and fine roots
	2.0				
	2.5				
	3.0				
	3.5				
	4.0				
	4.5				
	5.0				

Color: Dk. Black olive - Lt. Gray - Dk. Br - Lt. Brown

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Vibracore Description Sheet

Core ID: 09WCCR-03 (RTE 0.5 #1)
Latitude: 29.59866
Longitude: -92.60558
Date Vibracored: 4/30/09
Geographic Location: Rockefeller Wildlife Refuge (East, 0.5 km from GOM)

Date Described: 5/4/09
Described By: K Smith
Core Penetration: 50cm
Core Length: 44 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meter)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
					Organics throughout
		BROWN			0-4 cm compressed during transport
					4-15 cm Brown clay mud with fine fibrous roots
					15-24 root mat with brown clay mud, spongy
		olive brown			24-34 brown clay mud gradation to olive gray brown with fibrous fine roots and organics
					34-50 olive gray brown clay with fibrous roots and organics

1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0

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Vibracore Description Sheet

Core ID: 09WCC01-04 (RTE 0.5 #2)
Latitude: 29.58853
Longitude: -92.60448
Date Vibracored: 4/30/09
Geographic Location: Rockefeller WR - Eastern (South 1/2 km coast GOM) Marsh

Date Described: May 4th 2009
Described By: C. Dreher
Core Penetration: 50 cm
Core Length: 47 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 – 50 – 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meters)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
0	0.1				
0	0.2				
5	0.3	Brown - Pk Brown - Brown			Top 3cm missing, Sample is soupy & deformed for a few cm.
10	0.4				Brown in color to 0-20cm w Roots +
15	0.5				Grass fine organics mix w/ mud.
20	0.6				20-32 cm Root thickness decreases
25	0.7				From 20-25cm mottled looking
30	0.8				burrow dark brown in color.
35	0.9				32-50cm - Brown Roots decreased
40	1.0				coffee ground organic increased.
45					Mudy + clay sediments throughout.
50					
	1.5				
	2.0				
	2.5				
	3.0				
	3.5				
	4.0				
	4.5				
	5.0				

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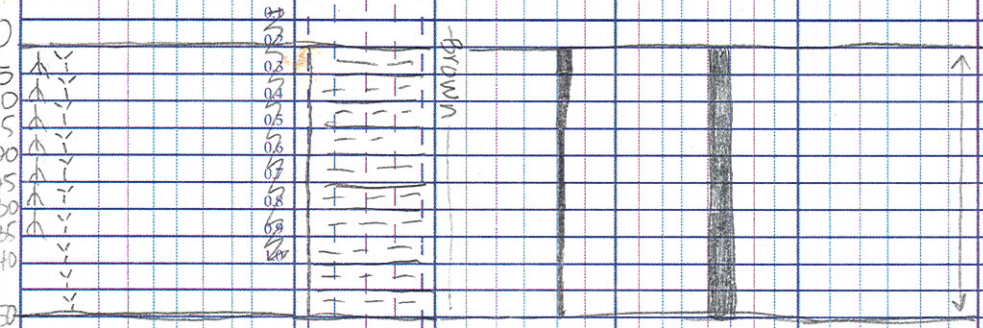
Vibracore Description Sheet

Core ID: 09LWCC01-05 (RTE 0.5 #3)
Latitude: 29.58832
Longitude: -92.60329
Date Vibracored: 4/30/09
Geographic Location: Rockefeller Wildlife Refuge (Eastern, 0.5km from GOM)

Date Described: 5/4/09
Described By: K. Smith, C. Dreher
Core Penetration: 50cm
Core Length: 44 cm

SEDIMENTARY TEXTURE AND STRUCTURES							% SAND	PHYSICAL CHARACTERISTICS						STRATIFICATION TYPE						SAMPLE						PHYSICAL DESCRIPTION
CLAY	SILT	FINE SAND	MEDIUM SAND	COARSE SAND	INTERVAL (Meters)		0 50 100	COLOR	DEFORMATION	BED THICKNESS	% SHELL	% ORGANICS	% BIOTURBATION	WAVY	FLASER	LENTICULAR	CROSS BED	MASSIVE BED	INCLINED BED	HORIZON LAMINATION	GRAIN SIZE	HEAVY MINERAL	MICRO FOSSILS	RADIOMETRIC	RADIOGRAPH	PHOTOGRAPH	
					0.0																					
					0.1																					
					0.2																					
					0.3																					
					0.4																					
					0.5																					
					0.6																					
					0.7																					
					0.8																					
					0.9																					
					1.0																					
					1.5																					
					2.0																					
					2.5																					
					3.0																					
					3.5																					
					4.0																					
					4.5																					
					5.0																					



Top 3cm missing, may have been compressed in transport. Consistent brown color & clay texture throughout. Organics and roots throughout, roots decrease gradually and are sparse below 35cm. Organic "coffegrounds" throughout and increase at 30cm

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Vibracore Description Sheet

Core ID: 09WCC01-06(RTE 1.5)
Latitude: 29.59756
Longitude: -92.604453
Date Vibracored: 4/30/09
Geographic Location: Rockefeller Wildlife Refuge (East, 1.5km from EOM)

Date Described: 5/4/09
Described By: K. Smith, C. Dreher
Core Penetration: 50cm
Core Length: 44 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meter)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	Brown				Top 3cm compressed in transport. Fine roots to 12 cm, root mat 12-17cm, Fine roots to 50cm. Color brown, slightly darker at root mat than brown. Wood piece at 24 cm (sparty)
1.5					
2.0					
2.5					
3.0					
3.5					
4.0					
4.5					
5.0					

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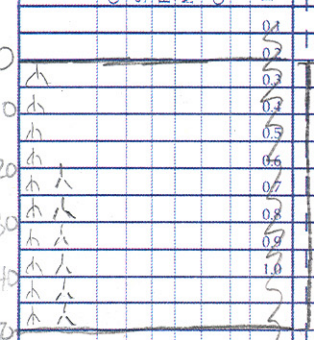
Vibracore Description Sheet

Core ID: 09WCC01-07 (RTE 3)
Latitude: 29.60110
Longitude: -92.60441
Date Vibracored: 4/30/09
Geographic Location: Rockefeller Wildlife Refuge (East, 3km from GOM)

Date Described: 5/4/09
Described By: K Smith
Core Penetration: 50cm
Core Length: 46 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meter)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	



Roots throughout.
0-28cm brown clay with thick roots

28-40 gradual gradation of brown clay to olive gray clay roots fine, fibrous organic "coffee grounds" present

40-50 olive gray clay fine fibrous roots and organics. coffee grounds

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Vibracore Description Sheet

Core ID: 09WCC01-08 (RTE 4)
Latitude: 29.62016
Longitude: -92.60437
Date Vibracored: 4/30/08
Geographic Location: Rockefeller Wildlife Refuge (East, 4 km from GOM)

Date Described: 5/4/09
Described By: K Smith
Core Penetration: 50cm
Core Length: 45 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 – 50 – 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (Meters)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	
0.1					
0.2					
0.3		Brown			Top 3cm compressed during transport. Roots throughout. Organics at 25cm to 50cm. Core was collected at vegetation clump and thick root system throughout. Brown clay, slightly darker brown clay at 25cm, gradually darkening to 50cm
0.4					
0.5					
0.6					
0.7		Dark Brown			
0.8					
0.9					
1.0					
1.5					
2.0					
2.5					
3.0					
3.5					
4.0					
4.5					
5.0					

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Vibracore Description Sheet

Core ID: 09LXC01.09 (RTE 5.75)
Latitude: 29.603649
Longitude: 92.60405
Date Vibracored: 4/30/09
Geographic Location: Rockefeller WR (Eastern-Northern most before impoundment)-Marsh

Date Described: May 4, 2009
Described By: C. Dreher
Core Penetration: 50cm
Core Length: 42cm

SEDIMENTARY TEXTURE AND STRUCTURES							% SAND	PHYSICAL CHARACTERISTICS						STRATIFICATION TYPE						SAMPLE					PHYSICAL DESCRIPTION
CLAY	SILT	FINE SAND	MEDIUM SAND	COARSE SAND	INTERVAL (Meter)		0 — 50 — 100	COLOR	DEFORMATION	BED THICKNESS	% SHELL	% ORGANICS	% BIOTURBATION	WAVY	FLASER	LENTICULAR	CROSS BED	MASSIVE BED	INCLINED BED	HORIZON LAMINATION	GRAIN SIZE	HEAVY MINERAL	MICRO FOSSILS	RADIOMETRIC	RADIOGRAPH	PHOTOGRAPH	
					0.0																					0-4.5 sponge
					0.5																					4.5-20cm - Med-Lt. Brown Roots & Mudy-clay
					1.0																					20-30cm Gradational Med Brown to Black-Brown Massive muds w/Black spongy root mat @ 25-30cm
					1.5																					30-38 Lt Brown/Brown muds w/Roots
					2.0																					38-47 DK. Brown Clay-mud w/ coffee grounds & Roots
					2.5																					
					3.0																					
					3.5																					
					4.0																					
					4.5																					
					5.0																					