

# UNIVERSITY OF NEW ORLEANS

48, 49, 42, 41, 43, 50

DEPARTMENT OF GEOLOGY AND GEOPHYSICS  
VIBRACORE DESCRIPTION SHEET

CORE ID: 00N97-41 DATE: 10/21/97 DESCRIBED BY: Phil McCarty  
 ELEVATION: (-8') -2.44m LOCATION: Downriver Bayou Lacombe, Mid-channel  
 CORE LENGTH: (170%) 432 LAT/LONG: 30° 16.234 / 89° 57.284  
 TOTAL DEPTH: \_\_\_\_\_ COMPACTION: \_\_\_\_\_

SEDIMENTARY TEXTURE AND STRUCTURES					% SAND	PHYSICAL CHARACTERISTICS					STRATIFICATION TYPE					SAMPLE												
CLAY	SILT	FINE SAND	MEDIUM SAND	COARSE SAND		GRAVEL	INTERVAL (cm)	COLOR	WET	MOISTURE	SED. THICKNESS	% SHELL	% ORBICULAR	% ROTLIMBON	WAVY	FLASHER	LIMBOLAR	CROSS BED	MASSIVE BED	INCLINED BED	MOZZ. LAMINATION	DRAIN SIZE	HEAVY MINERALS	MICRO FOSSILS	RAUCHEMERIC	RAUCOGRAPHY	PHOTODUPLICATION	
[Hand-drawn sediment texture diagram showing various grain sizes and structures]					0	[Hand-drawn physical characteristics diagram]	[Hand-drawn stratification type diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]	[Hand-drawn sample diagram]
[Hand-drawn sediment texture diagram showing various grain sizes and structures]																												

PHYSICAL DESCRIPTION

**Unit A: 0 - 105 cm**  
 Dominantly Dark Black organic-rich clay with organic material scattered throughout and occasional thin sandy layers.  
 Modern rooted vegetation 0-5 cm.  
 Sand stringers very thin (1 mm) near surface (0-48 cm).  
 Sand lenses bordering on wavy bedding 48-65 cm.  
 Thick sand layers (≤ 1 cm) at 77, 84, & 97 cm.  
 Sharp contact at base with underlying sand unit.

**Unit B: 105 - 430 cm**  
 Interlayered sand and mud layers. Mud dark grey, to brownish grey down to 310 cm depth, reddish grey to brown below 310 cm.  
 Series of fine upward sequences:  
 - Thick sand bodies @ 430-480 cm, 205-183 cm & 146-126 cm.  
 - interlayer with clay laminae and grade to exclusively clay at top of sequence (257-205 cm, 158-148 cm) and sharply cut off at top by the basal sand of the next sequence up.  
 B<sub>1</sub> heavily burrowed below 308 cm.  
 B<sub>2</sub> incomplete, sand unit sharply discontinued and overlain by Unit A.