

# LOUISIANA GEOLOGICAL SURVEY

## VIBRACORE DESCRIPTION SHEET

CORE ID: PON-97-40 DATE: 10/3/97 DESCRIBED BY: Phil McCarty  
 ELEVATION: (12ft) - 3.66m LOCATION: Mid-Channel Bayou Lacombe (up river)  
 CORE LENGTH: (80") 2.03m LAT/LONG: 30° 17.191' / 89° 56.253'  
 TOTAL DEPTH: (8.0ft) 2.44m COMPACTION: 0.41m

SEDIMENTARY TEXTURE AND STRUCTURES					% SAND	PHYSICAL CHARACTERISTICS					STRATIFICATION TYPE					SAMPLE											
CLAY	SILT	FINE SAND	MEDIUM SAND	COARSE SAND	GRAVEL	COLOR	MOISTURE	BED THICKNESS	% SILT	% ORGANIC	% BIOTURBATION	WAVE	FLASER	LENTICULAR	CROSS BED	MASSIVE BED	INCLINED BED	HORIZ. LAMINATION	Peel	DRYAN-SIZE	HEAVY MINERAL	MICRO FOSSES	FRAGILE TIC	MACROSPR	PHOTOGRAPH		
					0	0																					
					5	50					1-4 cm																
					15																						
					2						1-2 cm																

### PHYSICAL DESCRIPTION

**Unit A: 0-62 cm**  
 Organic-rich black clay  
 Interlaminated Dark Black (dominant) with thin Grey-Brown Clay  
 Abundant wood and bark at the base (52-62 cm).  
 Sharp contact with unit B.  
 No evidence of erosion

**Unit B: 62-152 cm**  
 Medium to, occasionally, coarse very light grey to tan, sand.  
 Cross-bedded at top (62-75 cm) and rich in organics and wood.  
 Layer of organics and wood (76-180 cm).  
 Large X-beds or inclined beds (80-100 cm and 127-143 cm), planar bedding in between (100-127 cm).  
 Two dark grey planar beds (104-107 cm and 108-110 cm) richer in organics.  
 Grain size reaches granules @ 117 cm and 144-152 cm.  
 Erosional contact with Unit C; clay clasts, siderite nodules and pebbles at base (144-152 cm).  
 Sequence coarsening upward followed by fining upward.

**Unit C: 152-204 cm**  
 Massive grey clay  
 Oxidized organics 182-204 cm.  
 Organic-bearing darker grey layer @ 180-182 cm

1.52 m = 4.99 ft