

UNIVERSITY OF NEW ORLEANS

DEPARTMENT OF GEOLOGY AND GEOPHYSICS
VIBRACORE DESCRIPTION SHEET

CORE ID: PON-97-9

DATE: 12/1/97

DESCRIBED BY: Ph: I McCarty

ELEVATION: -4' - 1.22m

LOCATION: North Shore Beach Public Park

CORE LENGTH: 1.94m

LAT/LONG: 30° 13.44' / 99° 50.083

TOTAL DEPTH: -

COMPACTION: -

SEDIMENTARY TEXTURE AND STRUCTURES					INTERVAL (cm)	% SAND	PHYSICAL CHARACTERISTICS					STRATIFICATION TYPE					SAMPLE								
CLAY	SILT	FINE SAND	MEDIUM SAND	COARSE SAND			GRAVEL	DENSITY	DOLOR	DEFORMATION	BED THICKNESS	% SHELL	% ORGANC	% BIOTURBATION	WAVY	FLASER	LENDONAR	CROSS BED	MASSIVE BED	WOLDED BED	FOLDED LAMINATION	DRINK-SIZE	HEAVY MINERAL	MACRO FOSSILS	STRATIGRAPHIC
					0-20																				
					20-30																				
					30-194																				

PHYSICAL DESCRIPTION

Unit A: 0-20 cm
light green, medium-grained, quartz sand mixed with the underlying unit. Light green color due to living algae. This is hardly a unit, sand doesn't make up distinct layer. It seems to have washed here from adjacent areas and mixed into B.

Unit B: 20-30 cm
Dark black, organic-rich clay unit. Some in-place rooting. Unit becomes dark grey @ 14-19 cm and is intercalated with very thin (cm) fine sand laminae. Unit grades to light grey sand. Basal sand has gradational contact with Unit C. Bioturbated 20-30 cm.

Unit C: 30-194 cm
Light brown, grading to light grey muddy sand at top, becoming more clay-rich towards base, finally grading into an olive-grey hard clay at 152 cm. Some in-place rooting from 75 to 125 cm. Unit burrowed throughout, including distinct sand-filled burrows in the olive grey clay. Appears to be a soil horizon, with olive grey clay being the original (dominant) lithology. Bioturbated throughout. Denitrifying deformation. 65-95 cm. Orange oxidation present below 80 cm excessive from 100-155 cm.

30m F. 98ft.