UNIVERSITY OF NEW ORLEANS

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

VIBRACORE DESCRIPTION SHEET

CORE ID: PON 97-7 DATE: 11/25/97 DESCRIBED BY: Phil McCarty

ELEVATION: -3' -.91m LOCATION: North Shore Beach Public Park

CORE LENGTH: 1.95 m LAT/LONG: 30° 13.422' / 89° 50.217'

TOTAL DEPTH: COMPACTION:

SEDIMENTARY TEXTURE AND STRUCTURES | % SAND | PHYSICAL CHARACTERISTICS | STRATIFICATION TYPE | SAMPLE

CLAY | SILT | FINE SAND | MEDIUM SAND | COARSE SAND | GRANULE | INTERVAL (cm) | 0 — 50 — 100 | COLOR | DEFORMATION | BED THICKNESS | % SHELL | % ORGANIC | % BIOTURBATION | WAVY | FLASER | LENTICULAR | CROSS BED | MASSIVE BED | INCLINED BED | HORIZ. LAMINATION | GRAIN-SIZE | HEAVY MINERAL | MICRO FOSSILS | RADIOMETRIC | RADIOGRAPH | PHOTOGRAPH

PHYSICAL DESCRIPTION

0
16
63
195

Unit A: 0 - 16 cm — structureless

Light Green medium-grained quartz sand with shell lag at the base. Sharp contact with underlying unit. Sand fills burrows in underlying unit. Light green color due to living algae intermixed with sand.

Unit B: 16 - 63 cm

Dark black, organic-rich clay unit (mars (16 - 42 cm)

grades into light grey-brown muddy fine sand (42 - 63 cm).

Some in place rooting in upper black portion

Very faded, but apparently sharp contact with unit C

(-Fading possibly related to soil processes)

Unit C - 63 - 195 cm

Light Grey → olive grey sandy mud unit. Sandier at top, more clay-rich towards base.

Burrows exist throughout unit.

Rooting throughout unit, particularly between 85 & 115 cm.

Roots primarily vertically oriented

(-possibly during marsh stage)

(-appears to be soil horizon)

Noteworthy sudden change in color at 130 cm.

- More clay-rich and lighter grey below

- more sandy & darker above

Oxidation present below 75 cm

excessive 32-48 cm.

.63m = 2.07 ft

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