

# UNIVERSITY OF NEW ORLEANS

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

## VIBRACORE DESCRIPTION SHEET

CORE ID: R5500-87 DATE: 6/23 DESCRIBED BY: CARLOS  
 ELEVATION: -18.7' (-5.69m) LOCATION: PK 17 SE of Quatre Bayou, S. of Bay la Mer  
 CORE LENGTH: 13.45' (4.10m) LAT/LONG: 29° 17.869 89° 47.979  
 TOTAL DEPTH: 14.35' (4.37m) COMPACTION: 0.9ft 0.27m

| SEDIMENTARY TEXTURE AND STRUCTURES |      |           |             |             |         | % SAND   | PHYSICAL CHARACTERISTICS |             |               |         | STRATIFICATION TYPE |               |       |        |            |           | SAMPLE      |              |                   |            |               |               |             |            |            |  |
|------------------------------------|------|-----------|-------------|-------------|---------|----------|--------------------------|-------------|---------------|---------|---------------------|---------------|-------|--------|------------|-----------|-------------|--------------|-------------------|------------|---------------|---------------|-------------|------------|------------|--|
| CLAY                               | SILT | FINE SAND | MEDIUM SAND | COARSE SAND | GRAVILE | INTERVAL | COLOR                    | DEFORMATION | BED THICKNESS | % SHELL | % ORGANIC           | % BOTURBATION | WAVEY | FLASER | LENTICULAR | CROSS BED | MASSIVE BED | INCLINED BED | HORIZ. LAMINATION | GRAIN-SIZE | HEAVY MINERAL | MICRO FOSSILS | RADIOMETRIC | RADIOGRAPH | PHOTOGRAPH |  |
|                                    |      |           |             |             |         | 0        |                          |             |               |         |                     |               |       |        |            |           |             |              |                   |            |               |               |             |            |            |  |
|                                    |      |           |             |             |         | 0        |                          |             |               |         |                     |               |       |        |            |           |             |              |                   |            |               |               |             |            |            |  |
|                                    |      |           |             |             |         | 238      |                          |             |               |         |                     |               |       |        |            |           |             |              |                   |            |               |               |             |            |            |  |
|                                    |      |           |             |             |         | 410      |                          |             |               |         |                     |               |       |        |            |           |             |              |                   |            |               |               |             |            |            |  |

PHYSICAL DESCRIPTION

Unit B<sub>1</sub> → 0 - 238cm

Unit B<sub>2</sub> → 238 - 410cm

Unit B<sub>1</sub> → characterized by horizontal laminations from 0-147cm and lenticular stratification from 147-238cm. Bed thickness of sand varies from 2.5-2cm. Contact between B<sub>1</sub> and B<sub>2</sub> is sharp @ 238cm.

Unit B<sub>2</sub> → from 238-271cm is a massive clay bed. 271-371cm is horizontal laminated sands and clays. From 371-410cm is flaser beds. Organic matter is present from 270-323cm with a 2cm interval at 293cm-295cm. 2 small (~2cm) oyster shells are present @ 278cm. Deformation occurs from 330-410cm. From 376-410cm is a sand bed with some clay beds. This sand continues to bottom of core.

- 0 - 238 → ML
- 238 - 273 → CL
- 273 - 376 → SM
- 376 - 410cm → SP