**USGS** science for a changing world

Vibracore Description Sheet

$H_2O$ 20.2'

**Core ID:** RCE01-003

**Latitude:** 91°18.896

**Longitude:** 29° 29.214

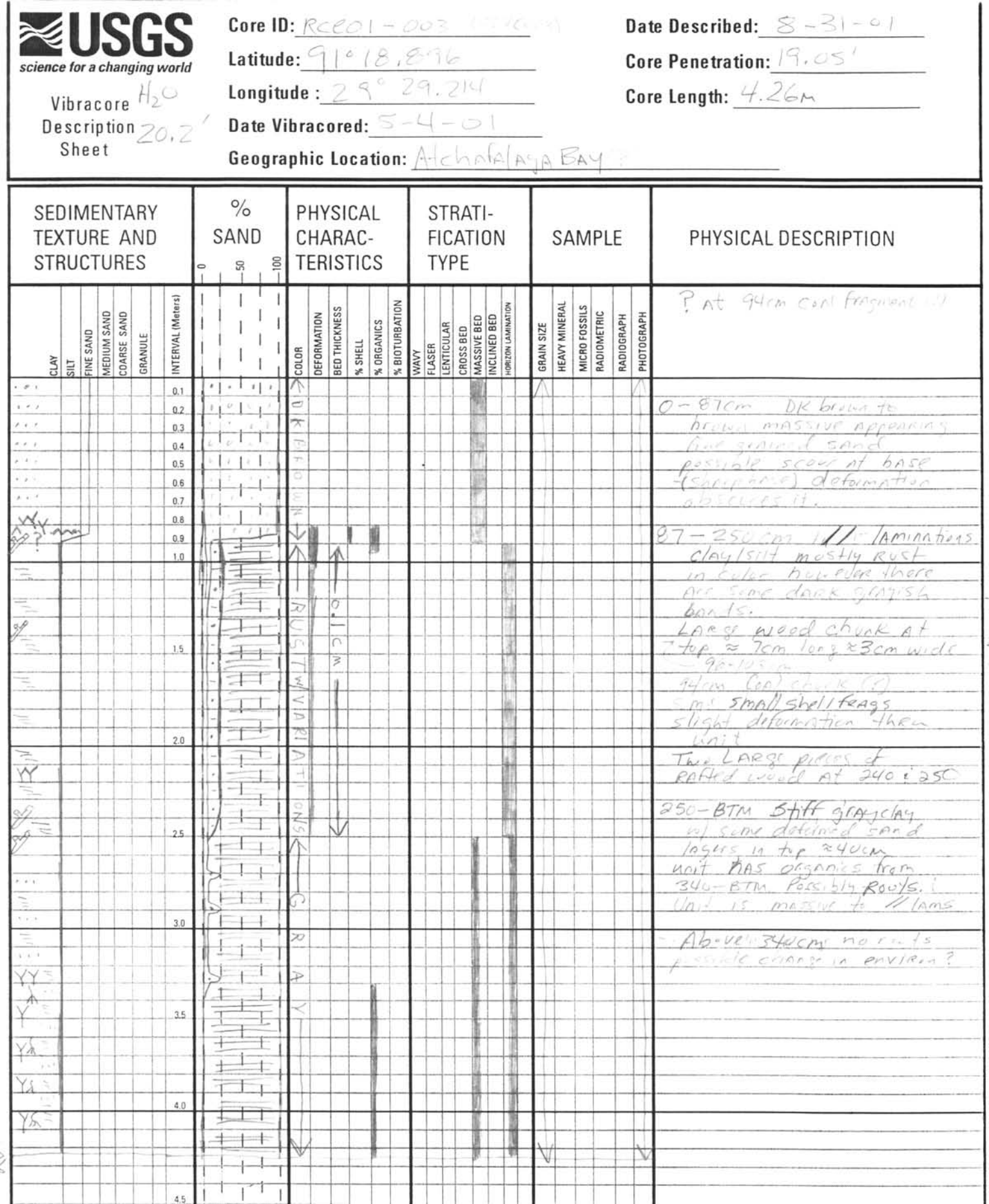
**Date Vibracored:** 5-4-01

**Geographic Location:** Atchafalaya Bay

**Date Described:** 8-31-01

**Core Penetration:** 19.05'

**Core Length:** 4.26m



| SEDIMENTARY TEXTURE AND STRUCTURES | % SAND | PHYSICAL CHARACTERISTICS | STRATIFICATION TYPE | SAMPLE | PHYSICAL DESCRIPTION |
|---|---|---|---|---|---|
| CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, GRANULE | 0 50 100 | COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION | WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION | GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH | ? at 94cm coal fragment |
| | | DK BROWN | | | 0 – 87cm DK brown to brown massive appearing fine grained sand possible scour at base (sharp base) deformation obscures it. |
| | | RUST W/ VARIATIONS | 0.1cm | | 87 – 250cm // laminations clay/silt mostly rust in color however there are some dark grayish bands. Large wood chunk at top ≈ 7cm long ≈ 3cm wide 96-105cm 94cm coal chunk (?) small shell frags slight deformation thru unit |
| | | GRAY | | | Two large pieces of rafted wood at 240 & 250 |
| | | | | | 250 – BTM Stiff gray clay w/ some deformed sand layers in top ≈ 40cm unit has organics from 340 – BTM possibly roots. Unit is massive to // lams |
| | | | | | Above 340cm no roots possible change in environ? |

Interval (Meters): 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5