00SCC01

BARATARIA SAND STUDY 2000

5/4/3 Grand Isle - Sand Dollar Marina

Crew: Dave Bennet, Jack Kindinger, Mike Stallings, Jim Flocks

Overcast, W-SE 15+, Seas 3' chop

Weather offshore poor 3-4'
Bar. Sd inshore first site Arr. 09:12 CST
14:12 Z

"Site 54" BSS00-01

No Penetrometer today

Barrel sank half-way before shaking.

Full penetration ~ ~~10 min~~. 5 min. shaking.

lat. 29 19.274' 89° 57.746 wd. 8.3'

Core catcher inverted, but little to no sediment suspected loss.

meas. length 201"

BSS00-02 Site "55" ~½ mi east Bassa Bassa Bay.

lat 29°21.494' long. 89°58.308' 9.5' wd.

barrel sank halfway before start.

full penetration 1045 hr CST

Catcher inverted - Lots of sed. lost. Redeploy new barrel

11 pen. — catcher inverted. At least 2.5 feet lost. kept.

meas. 179" 16:30 GMT (11:30 CST)

BSS00-03 site "56" ~½ mi east Barataria waterway

lat 29°24.510' long. 89°58.734 7.5' w.d.

1250 CST full penetration Core catcher inverted but not much loss expected (1-2'). Sed. more competent (ast few feet than previous core. Marsh or spoil deposit ~~silt~~/silt/c/a shelly; taken near marsh island ⊙ Bassa Bassa.

measured length: 203" 100% penetration

BSS00-04 (site "57") just south of St. Mary's Pt.

lat. 29°25.318 long. 89°56.168 w.d. 7.8' time ~~1~~ 1330

penetration full or very close. Penetration slowed dramatically at about 3-4' above full. Moderately stiff clay at base.

ORIGINAL SITE CHANGED TO ABOVE COORDINATES AFTER DETERMINING SITE WAS TOO CLOSE TO OBSTRUCTION-PRODUCTION PLATFORM.

← About 15" removed from top

BSS00-05 site "58" Pt. off of Wilkinson's Bayou, ~~Bay~~ North Bay

lat. 29°25.644 long. 89°54.401 wd. 7.0' 1420 CST

Sank almost halfway, descent slowed dramatically at about 3' above full

SS-00-05 119" w/ CATCHER [SOME LOSS]

continued →

500.06 (58) at ~~05~~
Same site B5500-~~05~~ lat 29° 25.644 long. 89° 54.4
First core went to full penetration, only 119" ~~inches~~ was recovered. But no sediment loss ~~at base~~ during recovery was observed. ~~Ver~~ Moderately ~~stiff~~ clay at base. Assume obstruction during penetration restricted ~~rec~~ aquisition. Retry w/out core catcher. (06)
Same result. Full penetration, reduced recovery 140" WITHOUT CATCHER — (TEST) 06 was a test to attempt to determine if our catchers were hampering penetration.

B5500-07 (60) SITE
Site 60 is in too shallow of water (2') re-positioning west of site in deeper water.
lat 29° 25.508 long 89° 51.527 wd. 7.
barrel sank less than half way prior to start 1540 CST
Shake for about 5 min. Slows at about 3' above base
meas. length 191" full penetration.

5/14 Barataria Bay Vibracoring

Crew same as 5/5. Weather same. Coring inside bay. Have penetrometer today. Note: 17.5' on penetrometer = full penetration, which is 18.67' measured length.

site "65"

Core BSOO_08 Near Barataria Pass, near waterway.

lat. 29°16.795 — w.d. 19.8

long. 89°57.295 — pen. start ~~1.75~~ 2.65'

time 1130 — stop 14.35'

meas. length 165"

site "67"

Core BSOO_09 off "hump" Grand Terre Island



lat 29° 17.478 — w.d. 8.7

long. 89 56.502 — pen start 5.8'

time 1230 — stop 17.48'

meas. length. 195.5

hose on starboard compress blow-off, replace hose clamp

Core BSS00-10 off Northeast side of Grand Terre (Calbsite 70)

lat. 29° 17.739 — W.D. 5'

long. 89° 55.368 — penet. start 6.5

time 1335 — stop 17.5 (full penetration)

meas. length 175"

calibration on penetration meter (how far out) off.

catcher was inverted, even after attempting bends - (crossed) suspect fine sediments may have an affect on inside slipping of core from barrel.

BSS00-11 North of Grand Bank Baryon site "78"

lat. 29° 19.422' — w.d. 8.0'

long. 89° 54.420' — pen. start 2.8

time 1445 — stop 17.5 (full)

Catcher inverted, at least 12" observed lost — meas. length = 191."

BSS00-12 (Culp's site 85) recalibrate how far out

lat. 29° 22.011 — w.d 9.0'

long. 89° 54.235 — penet. start: 3.75

time 1552 CST — stop 17.5 (full)

meas. length 212"

BSS00-13 (Site "93") N. mid. Bay

lat. 29° 24.790 — w.d. 7.8'

long. 89° 54.080 — pen start 6.3

time 1650 — stop 17.5 (full) meas. length. 196"

6.2

BSS00-14 (site "80") central bay
lat: 29° 21.198'
long: 89° 55.851'
time: 1752
w.d. 8.6'
pen start 6.22'
stop 17.5 (full) about 2.5 min.
meas. length 194"

NEW DAY 5/5

CORE BSS-00-15 (72 SITE)
LAT: 29° 18.858'
LONG: 89° 55.822
TIME - 915
MEASURED LENGTH: 207.75"
NOTES: appx 3-4" removed from top of core
Air compressor hose came off again
calibrated barber out but didn't work as default

DEPTH: 10.0
PENETRATION START: 3.0
STOP: 17.45 (full) about 6:15 time

5/5 Barataria Bay. Same Crew. Skies Clear, 3' chop.
Penetrometer using 17.5' = 18.67' (same as yesterday)

Core BSS00-16 site ("81) central Bay.
lat 29° 22.413
long 89° 56.946'
time 915
Measured Length - 207½"
NOTES - NO PROBLEMS WITH CATCHERS CORE INTACT + FULL PENETRATION.

Depth 10"
pen start 6.2
stop 17.45 (full) about 4 min.

Core BSS00-17 site (88) North Bay, west ~~near~~ of St. Mary's pt.
lat. 29° 25.818
long. 89° 57.460'
time 1015
water depth 9'
pen start 3.5
stop 17.45' (full) about 5.5 min
meas. length. 191"

Core BSS00-18 Near site (89) North Bay. (Hazards at site 89 - move off)
lat. 29° 26.774
long. 89° 58.452
time 1100 CST
w.d. 8.0'
pen start 4.6
stop 17.4 (full)
meas-length 209"

BARATARIA SAND STUDY

Note: Penetrometer 17.5' (full) = 18.67' Actual.

Core BSS00-19 (no KULP site) Bay Batiste, central
lat 29°27.782 w.d. 7'
long 89°50.556' pen. start 5.3'
time 1300 stop 17.4' (Full) about 2 min.
meas. length. 158.5"
catcher inverted, ≥2.5' observed lost.

Core BSS00-20 (KULP "96")
lat. 29°25.499 w.d. 8.7'
long. 89°52.900 pen start 7.2'
time 1400 stop. 17.4' (Full) 3 min.
meas. length. ~~3~~ 176.5"

CORE BSS-00-21 (KULP "89")
LAT 29°24.165 W.D.: 8.3'
LONG. 89°55.970' PEN. START: 3.5'
TIME 1505 STOP. 17.42 (full) ~3 min.
Measured Length: 179"
catcher invert./2"/lost

Core BSS00-22 (KULP "82") North central Bay
lat. 29°23.441 w.d. 9.2'
long. 89°57.814 pen. start 3.24
time 1604 stop. 17.4 (Full)
meas. length. ~~[illegible]~~ 199.5" ~3 min.

Core BSS00-23 (KULP 74) West central Bay near Barataria Waterway
lat. 29°20.617 w.d. 7.6'
long 89°57.164 pen start 3.4
time 1700 stop 17.4 (Full) ~4.5 min.
meas length. 190"
catcher ~~[illegible]~~ inverted, no loss observed

Core BSS00-24 East-central bay (KULP 99)
lat. 29°20.362' w.d. 9.1'
long. 89°55.136 pen start 6.7'
time. 1750 stop 17.4' (Full) 1.35 min
meas. length 193"
cathcer inverted > 8" loss observed.

END OF DAY

5/6 BARATARIA BAY ✓-CORE

Crew: Dave B., Jack K., Mike S., Jim F.

Skies clear, wind 10-15 kts SE, Seas gulf 3-4', Bay calm

Coring inside Caminada Bay - ~~Pele~~ Grand Isle perpendicular transect. NOTE: Penetrometer 18.5' = 18.67'

BSS-00-25 South Bay des ~~B~~ Ilettes

LAT: 29° 17.198

LONG: 90° 00.575

TIME: 804

MEASURED LENGTH: 204"

NOTES: HORSE FLYS IN SWARMS

DEPTH: 4.2'

PENETRATION

START: 5.3 } * NO PENETROMETER. PROGRAM HAS BUGS

STOP:

BSS-00-26 ~~Near~~ (kulp site "63")

LAT: 29° 18.591

LONG: 89° 59.671

TIME: 940

MEASURED LENGTH: 177"

NOTES: slightly off "63" due to platform, lost top 1" on cut. full pene. "how far out" worked correctly!

DEPTH: 7.3'

penetration

START: 7.6'

STOP: 18.5 (full)

BSS-00-27 South West Champagne Bay (kulp site 64)

L 29° 19.4

L 90° 00.168

T 10:30 CST

MEASURED LENGTH 1425"

NOTES -

Depth: 7'

START: 5.8'

STOP: 18.5 (full)

note: penetrometer file BSS00_26.DAT includes core 27 profile

- BSS-00-28 west west champagne Bay

Lat 29° 19.424

Long 90° 01.979

meas. length

Time 11:20

w.d. 7.8'

pen start 2.87

Stop 18.5 (full)

measured length: 201"

~~BSS-00-29~~

BSS-00-29 South Bay Ilettes, off Grand Isle (South of kulp site 61)

Lat 29° 15.658

Long. 90° 00.196'

time 1230

w.d. 7.0'

pen. start 5.35

stop 18.5 (full)

meas. length 209"

- BSS_W-30 Central Caminada Bay

Lat. 29°14.744'
Long. 90°04.304'
Time. 1330

w.d. 4.5'
pen start 4.0"
stop 18.5 (full) 2:20 min
meas. length. 162½"

Catcher inverted, >4ft. observed lost

- BSSOO-31 Sout Caminada Bay

lat 29°13.745'
long 90°02.790
time 1420

w.d. 3.7'
pen start. 4.0'
stop · 18.5 (full)

Measured Length: 198.5"

END OF COLLECTION FOR THIS DAY.

MONDAY

NEW DAY (MONDAY)

5/8/00 Berakan Offshore vcore

Same crew. Skies p. cloudy, wind 10 knots, seas 4'

Penetrometer: 18.5' = 18.67'

Core BSS00-32 offshore (site "37")

lat 29° 13.334

long. 89° 50.340'

time 715

w.d. 40.5'

pen start 4.9

Stop 18.5' (full) ~4 min.

meas. length: 205"

Core BSS00-33 (Near Kulp site ~~37~~ 33)

lat. 29° 15.782'

long. 89° 53.169'

time 845 Second try 9:15

w.d. 20'

pen start 4.5

stop 14.75

meas. length

Abort. Generator overheat. Stopped coring, raised rig. Catcher inverted, core lost. Scrub core - redeploy

On redeploy, penetrometer not functioning - data overflow error. Shook core for 4.5 min, full penetration expected

meas. length 207.5"

Core BSS00-34 Nearshore Grand Terre Island (Kulp site 30)

lat. 29° 17.027

long 89° 54.531

time 1020

w.d. 7.5

pen start: 0.75

Stop: 18.5 (full)

meas. length 183.25"

core BSS00-35 ~~Near~~ (Kulp site (40)) Nearshore Grand Terre Is.

lat. 29° 16.986

long. 89° 52.487

time 1125

w.d. 13'

pen. start 5'

stop. 18.1' refusal after 7.5 min.

meas length 209.5"

Core BSS00-36 (~~Near~~ Kulp site 42), off Quatre Bayou Pass

lat. 29° 16.783

long 89° 49.971

time 12:30

w.d. 23'

pen start, 3.5'

Stop. 14.3 refusal 6:50 min.

meas. length ~~#~~ 173 in

Core BSS00-37 (Kulp 51) at ~~Grand Terr~~ at Quatre Bayou Pass

lat 29° 17.526

long. 89° 50.696'

time 1340

w.d 11.5'

pen start: 2

Stop: 18.5 (full) meas. length 174"

5:18 min.

BSS-00-38 (KULP site 53) Quatre Bayou Pass (mouth of pass offshore)
LAT: 29° 17.868 W.D. 12'
LONG: 89° 50.354 penetration START: 0.70
TIME: 1420 STOP: 15.0 refusal
MEASURED LENGTH: 161 3/4" 10 min. shake

BSS-00-39 (KULP 52) Quatre Bayou Pass Inlet
lat 29° 18.0 w.d. 13.9'
long 89° 50.805 pen start 3.75
time 1517 stop 18.5 (full)
meas. length 192.5"

BSS-00 40 (site "46") west of Quatre Bayou Pass Inlet
LAT: 29° 17.194 WDepth: 10.7'
LONG: 89° 51.211 Start: 0.84
TIME: (4:10 CST) Stop: 18.5 (full)
Measured Length: 164 1/4"

BSSW-41 (KULP site 23) east of Barataria Pass, nearshore
lat 29° 16.339 w.d. 11.5
long: 89° 54.939 pen. start 2.4'
time (5:08 CST) stop. 18.5 full penetration
measured length: 199"

END OF DAY 05/08/2000
MONDAY

5/09/00 TUESDAY

Barataria Pass V-core.

Skies partly overcast, winds south 10 knots, seas 2-3'

Crew: Rich Y, Jack K, Mike S., Jim F~~b~~

(CAPT DAVE + RICH EXCHANGED POSITIONS. DAVE GONE)

[penetrometer
18.5 = 18.67
full barrel = 18.67]

B5500-42 (Site 12) South of Barataria Pass

lat. 29° 13.680'
long. 89° 55.941'
time 652 CST

w. depth 16.2'
pen. start: 4
stop: 17.92
meas. length: 157.5"

lost ~ 1 inch off top.

B5500-43 (Kulp site 3), outside Pass, South.

lat 29° 11.329'
long 89° 56.926'
time 752

w.d. 37.0'
pen start: 2.87
stop: unknown, suspected 18.5 (full)
meas. length 182.5"

6 min shake.

5 inchess lost off top.

B5500-44 (Site 8) South of Barataria Inlet.

lat. 29° 11.934
long. 89° 55.835
time. 850

w.d. 35.2'
pen start: 4.2
stop. 18.5 (full) 4.11 min.
meas. length: 158"

B5500-45 ~~site~~ Kulp (site 22)

lat. 29° 12.662
long 89° 53.304
time: 958 CST

w.d. 36.5
pen start: 2.2'
stop: 18.5 (full) 7:30 min
meas. length: 189"

vibracore quit at 13.8', after 1 min. renewed shaking.

B5500-46 (Kulp sit 27) off pass

lat 29° 13.875
long 89° 52.698
time 1100

w.d. 31.0
pen start 4.5
stop 17.65' refusal 12 min.
meas. length. 165"

penetrometer shows a very gradual ~~slope~~ penetration rate

B5500-47 (Kulp site 1) nearshore SW of Barataria Pass off GI.

lat 29° 13.086
long. 89° 50.412
time 1220

w.d. 22'
p. start 1.5
stop. 14.8 refusal
meas. length 156.75"

BSS00_48 (Kulp site 5) Nearshore Grand Isle

lat 29° 14.315'
long. 89° 57.832
time 1308 CST

w.d. 11.6'
pen start: 0.5
stop: 18.45 (full)
meas. length: 204"

BSS00-49 Nearshore Barataria Pass off State Park (kulp site 10)

LAT: 29° 14.698
LONG: 89° 57.013
TIME: 1420

W.D. 9.1'
(PEN) START: 0.5
STOP: 18.5 (full)
MEASURED LENGTH: 203.5 (203.5")

just offshore from 5th and 6th GROIN/JETTY WEST OF PIER
offshore from beach access (vehicle) for State Park + beach camping site

BSS-00-50 (KULP SITE #11)

LAT 29° 14.115'
LONG 89° 56.319'
TIME: 1440

W.D. 12.0'
penetration: START: 0.50'
STOP: 18.5' (full) 4:15 min.
MEASURED LENGTH: 203

- APPROX. 1 mile offshore from core sample site #49

SITE (AREA 51)

BSS00_51 (kulp #19) at inlet mouth

Lat. 29° 14.389'
Long. 89° 55.056'
Time 1519

w.d. 14.0'
pen start 0.4
stop 18.5 (full)
meas. length 115"

Short core - Probable washout - redeploy rig (Core 52)

SAME

BSS-00-52 (KULP #19)

LAT } SAME SITE
LONG } AS 51 (AREA)

W.D.
pen. start 0.43
stop 18.5 (full)
meas. length. 205"

TIME: 3:50 CST

Cut ~~base~~ Top 6", saved sample in pipe piece and taped to main core barrel.

BSS00_53 (kulp site 18) at Pass.

lat. 29° 14.817
long 89° 55.384
time 1630

w.d. 13.0
pen start 0.37
stop 18.5 (full)
meas. length 210 3/4"

One of our largest Cores? Barataria Pass offshore bar along Channel

BSS-00-53 (Continued)
TAPED TOP OF BARREL PRIOR TO BEGINING CORE AFTER OUR 1ST ATTEMPT AT SITE 52 LED US TO BELIEVE AIR MAY HAVE BEEN ABLE TO ENTER TOP OF CORE AND CAUSE CORE LOSS.
Additional Notes: Water color a green emerald color + visibility was only several feet, a great improvement over Bay waters of this area + the sediment areas beyound shrimp boats after towing their nets. They stir up a very visible sediment trail behind their vessels. Not much Bottlenose dolphin activity today. PRIOR to today many different groups were visible in many areas - inshore, offshore, and along the docks. Observed Bottlenose Dolphins feeding on fish cutter remains at the Marina from all the daily charter activity. This is the 1ST TIME I HAVE OBSERVED SUCH ACTIVITY.
~ TODAY NOT AS MUCH SHRIMP BOAT ACTIVITY IN CHANNEL AREA AS INSHORE WATERS HAD LAID DOWN SOMEWHAT AT END OF DAY OPENING DAY TIME
AIR QUALITY NICE, PARTLY CLOUDY AND SUNNY AFTERNOON AND EARLY EVENING.

END OF COLLECTION
FOR DAY 05/09/00 TUESDAY

Integrated Circuit
Schmitt Trigger Inverter for TTL applications (3)

LM 7805 Voltage Regulator (Tab Type) (3)

5/10 Barataria Pass V. core

Skies p. cloudy, winds SW 10 knots, seas 2-3'

crew: Dale R., Rich Y., Mike S., Jack K., Jim F.

3S500-54 (Kuip site 50) offshore Quatre Bayou Pass

LAT: 29° 15.431

LONG: 89° 48.579

TIME: 805 CST

W.P. 33.0'

penetration: START: 1.55

STOP: 13.2 (refusal) after 9:30 min

MEASURED LENGTH: meas. length 165"

NOTE: Sand plug noted at bottom w/ 1 ft. polished barrel at base

Additional observations: Todays seas are calmer in comparison to other days that have had a swell and wind chop. current against wind + wave direction. Anchored forward + aft. Sargasso seaweed clogged intake for generators - small patches around.

3S5a-55 Kuip site 43 offshore Quatre Bayou Pass

lat. 29° 15.3

long. 89° 50.396

time. 905

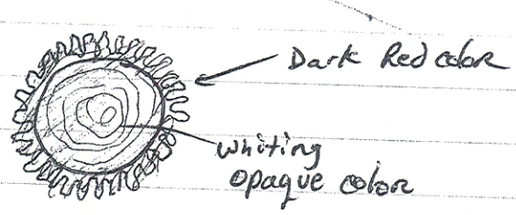
wd. 31'

penstart 3.11

stop 17.5 (refusal) after 8 min.

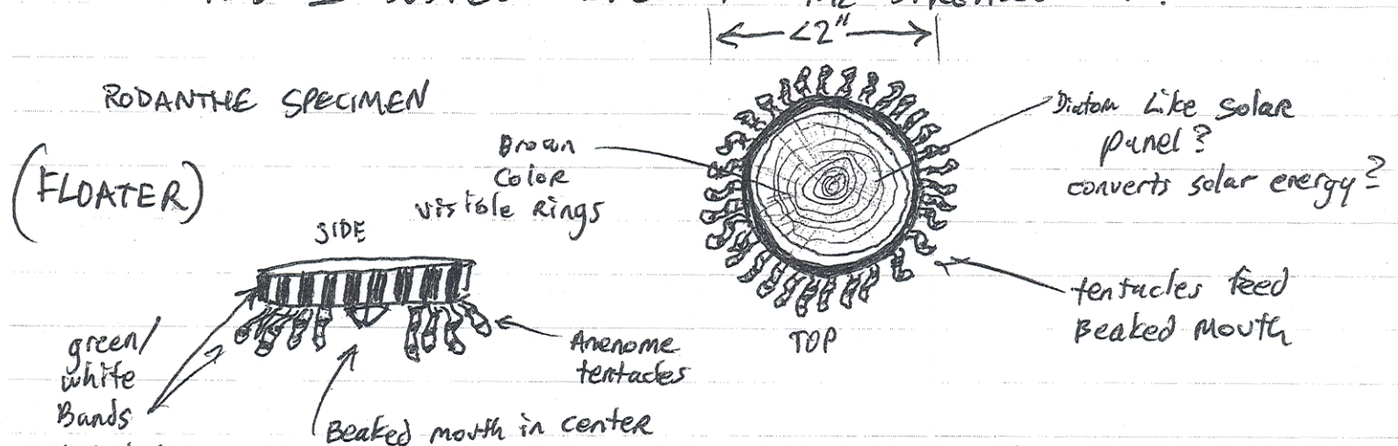
meas. length 205"

OBSERVATIONS: SWELL SIZE INCREASED DURING THE TIME FOR DEPLOYING THE CORE RIG. CURRENT WAS FLYING AND MAINTAINING POSITION WAS INCREASINGLY DIFFICULT, ALTHOUGH A GOOD SIZED CORE WAS RECOVERED. A STRAND LINE PASSED THE VESSEL (VERY LIGHT) COMPRISED MAINLY OF SARGASSO SEAWEED, REEDS, SOME TRASH AND A 4X4 BOARD. THE BOARD APPEARED TO HAVE GOOSENECK BARNACLES GROWING ON IT. JIM NOTICED AN INTERESTING ORGANISM, OF WHICH I HAVE ONLY SEEN ONCE PRIOR TO TODAY. IT WAS A SMALL CIRCULAR ORGANISM WITH FRILIES ALONG THE OUTER EDGES



I HAVE SEEN A SIMILAR ORGANISM ASHORE AT RODANTHE, NORTH CAROLINA AFTER A LONG EASTERLY BLOW BROUGHT GULF STREAM WATERS NEAR SHORE, AFTER MANY DAYS OF EXPERIENCING A NORTH-EASTER, THE ORGANISM TODAY WAS NOT ABLE TO BE RECOVERED AS A SPECIMEN BECAUSE WE WERE PERFORMING OUR OPERATIONS DURING INCREASING SEAS AND OUR WORK REQUIRED

CLOSE ATTENTION, THE ORGANISM I CAN BEST RELATE TO THIS ORGANISM AS I OBSERVED IN THE EARLY 90's 1990s WHILE SURFING IN RODANTHE IS DESCRIBED AS FOLLOWS, AND I SUSPECT LIVES IN THE SARGASSO SEA.



Possible Animal/Plant related organism?

Specimen IDENTITY UNKNOWN — STALLINGS

MOVED TO A CLOSER SITE TO AVOID SWELLS OFFSHORE.

BSS-00-56 (Kulp site 34) midway between Bacteria & Quatre Bayou
LAT 29° 15.147 WD. 25.2
LONG 89° 52.36 penetration START: 4.6
TIME: 1047 STOP: 15.3 refusal @ 10.5 min.
MEASURED LENGTH: 179.5"

BSS 00-57 (Kulp site 24) east of Bacteria Pass Inlet
lat. 29° 15.582 w.d. 15.6
long 89° 54.305 pen start 0.3
time 1153 stop 18.5 (full)
meas. length 168"
Catcher inverted >2ft. observed lost
swells smaller on inshore

BSS-00-58 (KULP SITE 32)
LAT 29° 16.120 W.D. 17.3
LONG. 89° 53.501 penetration: START: 5.1'
TIME 1235 STOP: 18.5 (full)
MEASURED LENGTH: 203"

BSS00-59 (kulp site 31) Nearshore off Grand Terre Island
lat. 29° 16.656 w.d. 12.2'
long. 89° 54.202 pen-start 5.5
time 1320 stop 18.5 (full)
meas. length. 201"

BSS00-60 (kulp site 38) of West side Grand Terre Is. Pass
lat. 29° 17.317 w.d. 6.5'
long 89° 53.774 pen start 0.3
time [illegible] 1400 stop 16.4 (refusal) after 9:30 min.
meas. length. 180.5"
descent stopped at 5 min, restarted after 7 min.

BSS-00-61 (KULP SITE 39) Eastern side of Grande Terre Is. Pass
LAT: 29° 17.412 W.D.: 8'
LONG: 89 53.183 penetration: START: 1.5
TIME: 2:45 p.m. (CST) STOP: 18.5 (full) 6:30 min.
MEASURED LENGTH: 199

BSS00-62 (Kulp site 45) In between Grand Terre Is Pass + Quatre Bayou
lat: 29° 17.509 w.d.: 9.2'
long.: 89° 52.205 pen. start: .45
time: 1530 CST stop: 18.5 full 3.42 min.
meas. length: 189.5

BSS00-63 (KULP site 47) South of Quatre Bayou Inlet
lat. 29° 17.069 w.d. 12.3
long. 89° 50.972 pen. start. 1.4
time 1608 stop. ~15.5 after 13 min. (refusal)
meas. length. 157"

BSS 00 64 (kulp Site 42)
LAT: 29° 16.008 W.D. 24.0'
LONG: 89° 51.153 penetration START: 4.5
TIME: 1700 STOP: 14.27' refusal at 11:23 min
MEASURED LENGTH: 157"

9.11 new 9.27 adjust 18.65=18.67
0.51 00

0.56 6/2/00 BARATARIA SAND RES. STUDY V-CORE
0.56 V-bracoring outside and east of inlet. Skies p. cloudy
Seas (morning) calm.
Crew: Phil M. (UNO), BJ R., Keith L., Jim E.

V-Core BS500_65 (pvc site 31) ~~offshore Bar. Inlet east~~
lat. 29° 13.563 w.d. 40.67'
long. 89° 49.096 pen. start 2.77
time. 759 CST stop 14.9 (refusal) after 7.25 min.
meas. length 169"

BS500_66 (pvc site 30) ~~offshore Bar. Inlet east.~~
lat. 29° 15.159 w.d. 33.1'
long. 89° 44.746 pen start broke
time 904 stop. 15.4' refusal after 14 min.
meas. length. 184"

BS500_67 (pvc site 29) ~~offshore Bar. Inlet east~~
lat. 29° 15.895 w.d. 30.18'
long. 89° 44.898 pen. start 1.48
time. 1008 stop refusal at 14.5 after 12.5 min.
meas. length 176"

BS500_68 (site pvc 24)
lat. 29° 15.236 w.d. 34.11
long 89° 46.049 pen start broke
time 1126 stop. 17.9 refusal after 15 min.
meas. length 157.5"

BS500_69 (site pvc 23) adjacent to BS500_68
lat 29° 15.085 w.d. 34.1'
long. 89° 46.071 pen start 1.3
time 1230 stop refusal at 14.6' after 14 min.
meas length. 179"

BS500_70 (site pvc 22) offshore Quatre Bayou
lat 29° 14.343 w.d. 36.74
long 89° 46.207 pen. start. 2.4
time 1336 stop 40.7 refusal after 15 min
(compressors cut off) ~~Started time 1340~~ meas. length 128.5

Rig lost on bottom, retrieved by SCUBA - no sediment observed lost.

6/2/00 (cont)

BSS00_71 pvc site 14

lat. 29° 14.515
long. 89° 47.665
time. 1515

w.d. 35.75
pen start 1.17
stop 12.2 refusal after 15 min.
meas. length. 148.5
Stiff clay bottom

Generator died - restart.

BSS00-72 pvc site 32

lat. 29° 12.524
long. 89° 51.855
time 1640

w.d. 37.39
pen. start 5.5
stop 15.9 refusal after 9 min.
meas. length. ~~####~~"

9.19 ...
0.50 0.50 18.21=18.67

6/3/00 BARATARIA SAND RESOURCE STUDY V-CORE
Coring east of Barataria Inlet, Skies P. cloudy, rain.
Secs 1' chop Crew Phil M.; B.J.R, Keith L., Jim F.

BS500_73 pvc site 35
lat. 29° 15.444 w.d. 29.19
long. 89° 50.377 pen. start 2.89
time. 745 CST stop 12.65 refusal after 5 min.
meas. length. 149"
Quit because of wind shift moving boat. Pen. leveled off anyway.
Med. Sand at bottom of core

BS500_74 pvc site 44
lat. 29° 13.974 w.d. 30.8
long. 89° 40.114 pen start 1.4
time 952 stop ~13.5 (refusal) program crash after 15 min
meas length 168.5"
Stiff clay at bottom.

BS500_75 pvc site 45 mid study area off Bastian Bay
lat. 29° 15.033 w.d. 25.91
long. 89° 40.238 pen start 1.75
time 956 stop 17.67 refusal after 16 min
meas. length 210"
moderately stiff clay at bottom, pressure loss delayed start

BS500_76 pvc site 46 adjacent to BS500_75
lat. 29° 15.237 w.d. 24.6
long. 89° 40.258 pen start 15.38 refusal after ~ 13 min.
time 1040 stop
meas length 185"
loss pressure delayed start, stiff clay at bottom, fine sand at top

BS500_77 pvc site 47 nearshore Grand Bayou Pass
lat. 29° 16.788 w.d. 14.76
long. 89° 40.454 pen start 0.5
time. 1155 stop 18.21 full penetration
meas. length. 214"
generator died. delayed start, mod. stiff clay at base

BSS00-78 pvc site 48 at Grand Bayou Pass

lat 29° 15.846 — w.d. 26.24

long. 89° 41.795 — pen start 1.2

time. 1240 — stop. 16.07 refusal after 12.5 min.

meas length. 197.5"

Stiff clay at base

BSS00-79 pvc site 43 At Grand Bayou Pass

lat 29° 15.925 — w.d. 26.9

long. 89° 42.712 — pen start 1.5

time 1323 — Stop 16.8 refusal after 20 min.

meas. length. 207.5"

Stiff clay at base

BSS00-80 pvc site 42 offshore GB Pass

lat. 29° 14.943 — w.d. 31.16

long. 89° 42.935 — pen. start. 1.5

time 1425 — Stop 18.24 refusal after 17 min.

meas. length 219.5"

Stiff clay at base

BSS00-81 pvc site ~~30~~ 21 offshore west of Grand Bayou Pass

lat. 29° 15.353 — w.d. 32.472

long. 89° 46.634 — pen. start ~~1.9~~ 1.5 re.

time 1526 — stop 12.9 refusal after 11 min.

meas. length 164"

Hard packed med. sand at bottom

BSS00-82 pvc site 15

lat. 29° 15.19 — w.d. 32.5

long. 89° 47.735 — pen. start 0.69

time. 1605 — stop. 11.36 Refusal after 15 min.

meas. length 137.5

packed med. ~~clayey~~ muddy sand at bottom, 7" removed from top - stored separately.

BSS00-83 pvc site 38

lat. 29° 16.124 — w.d. 23.62

long. 89° 54.355 — pen start 1.0

time 1715 — stop 18.21 Full

meas. length 183.5

Catcher inverted, no sediment observed lost. Soft mud at base

6/4/00 BARATARIA SAND RESOURCE STUDY V-CORE

Working off of Quatre Bayou Pass. Skies p. cloudy, seas 1' swell south, 1' chop. Crew. Phil M., B.J. R., Keith L., Jim F.

BSS 00-84 pvc site 38
lat. 29°16.129
long 89°50.350
time 739
w.d. 24.6
pen. start 4.0
stop. 18.21 (full)
meas. length. 167.5
Catcher inverted >2' observed lost., ~~soft~~ medium-stiff clay at bottom.

BSS00-85 pvc site 36
lat. 29°17.648
long. 89°51.944
time 827
w.d. 9.2'
pen start 0.2
stop. 18.21 (full)
meas. length 15'3"
med.-stiff clay, fine sand at top.

pvc 17 near
BSS00-86A pvc site 34 nearshore Quatre Bayou Pass. Kulp pick (Lloyd B. "NSF")
lat. 29°17.844
long. 89°49.013
time. 917
w.d. 17.7
pen start 1.09
stop 12.3 refusal after 15 min.
meas. length 142"
Hard packed med. sand at base and top.

BSS00-86B same site as above, trying barrel without core catcher for comparison
time 945
pen start 1.0
stop 12.7 after 13 min.
meas. length. 152.5"
w/out catcher rate of descent is faster but penetration is not necessarily deeper

BSS00-87 pvc site 17 East of Quatre Bayou
lat 29°17.869
long. 89°47.979
time 1028
pen. start 2.5
stop 14.0 refusal after 12 min.
meas. length 160.5"
w.d. 18.7'
stiff clay at base.

19 25
20 16
27
28

18.195
48.0

B5500_88 puc site 18 Shoreward of B5500_87, east of Quatre Bayou Pass

lat. 29° 18.201 w.d. 14.7ft

long. 89° 48.999 pen. start 0.8

time 1108 stop 14.2 refusal after 12 min.

meas. length 153.5"

B5500_89 puc site 19 Nearshore between Quatre Bayou Pass and Chaland Pass

lat. 29° 17.699 w.d. 20.34

long. 89° 46.682 pen. start 1.7

time 1149 stop 11.4 refusal after

meas. length. 10 min. 146.5"

Hard packed med. sand at base, clay at top

B5500_90 puc site 20 <1 mile from B5500_89

lat. 29° 17.338 w.d. 23.3'

long. 89° 46.673 pen. start 1.14

time. 1224 stop 11.8' refusal after 15 min.

meas. length. 147.5"

fine-med grain muddy sand at base

B5500_91 puc site 27 near Chaland Pass

lat. 29° 17.227 w.d. 23.6

long. 89° 45.712 pen. start crash

time. 1312 stop 16.2 after 18 min.

meas. length. 190"

Brooke switch on gen. delayed start, hard packed med. sand at base

B5500_92 puc site 28

lat. 29° 17.873 w.d. 17.4

long. 89° 45.302 pen. start 2.5

time. 1414 stop 18.21 (full)

meas. length.

stiff clay minor sand at base

B5500_93 puc site 26

lat. 29° 16.210 w.d. 28.5'

long. 89° 45.866 pen. start 2.5

time 1529 stop 18.21 (full)

meas. length. 219"

Kept v-cone shaking while during initial retrieval (pulley problems)

no seal loss observed.

90 91 92 93

88 89 90

6/5/00 BARATARIA SAND RESOURCE STUDY VCOR

Mid study area east of Bar. Inlet Pass offshore

working CHIRP lines ~46, ~47. Skies p. cloudy, seas 1' swell, 1' chop SW. Crew Phil M., B.J. R., Keith L., Jim F.

BSS00_94 pvc site 90

lat. 29° 14.175 w.d. 36.7

long. 89° 44.917 pen start 1.3

time. 751 stop. 17.4' after 12.5'

meas. length. 220"

BSS00_95 pvc site 91

lat. 29° 13.826 w.d. 35.1

long. 89° 42.257 pen start. Broke

time 902 stop. 18.2' (refusal)

meas. length 229"

med. - stiff clay at bottom. Top 13" cut off, attached separately

BSS00_96 pvc site 92

lat 29° 13.730 w.d. 34.4

long 89° 41.755 pen. start. 2.0

time 939 stop. 12.0 refusal after 15 min.

meas. length 147.5"

Stiff clay at bottom, med. fine sand at top

BSS00_97 pvc site 93

lat. 29° 13.563 w.d. 33.46

long. 89° 40.870 pen. start 0.66

time. 1027 stop 16.6 refusal after 16 min.

meas. length 204"

BSS00_98 pvc site 86

lat 29° 14.942 w.d. 26.9

long 89° 40.719 Pen. start broke

time ~~1158~~ 1200 stop broke

meas. length 199.5"

Generator died while vcore operating. Rig problems

Recovered rig. Penetrometer not functional - depth of penetration unknown

EOD.

16/00 BARATARIA SAND

Skies cloudy, rain 14kt south wind 1-2' chop., offshore Bastian Bay. Crew. Phil M., B.J.R., Keith L., Jim F.

500-99 pvc site 88

Lat. 29° 12.011 w.d. 37.1

long. 89° 39.332 pen. start 1.0

time ~~845~~ 902 stop 18.21 (full)

meas. length. 225"

penetrometer not functioning, shook for about 15 min.

Corer came back empty. ~~tri~~ Air line crimped. Fix, redeploy restart

may have 0.5-1' sed. in barrel from first attempt.

med. stiff clay at base. Some sample (~1") lost from top

500-100 pvc site 89

lat. 29° 12.503 w.d. 33.1

long. 89° 38.277 pen. start

time 1005 stop ~~13.5~~ 13.55 refusal after 16 min.

meas. length. 164.5"

Stiff clay at base

1500-101 pvc site 81

lat. 29° 12.237 w.d. 29.8

long. 89° 36.494 start ~~2.9~~ 2.9

time 1137 stop 14.0 after 15 min.

meas. length 159"

Stiff clay at base, trace fine sand, med. sand at top

55-102 pvc site 80

lat. 29° 11.208 w.d. 30.5

long. 89° 34.993 pen. start. broke

time. 1228 stop 17.4 refusal after 18 min

meas length. 213.5

Soft-shelly clay at base, intact shells at top

3500-103 pvc site 79

lat 29° 10.005 w.d. 27.5

long. 89° 31.781 pen. start 2.0

time 1337 stop 14.4 refusal after 18 min.

meas. length

Stiff clay at base

BSSOO-104 psc site 78a

lat. 29°09.68 w.d. 27.2

long. 89° 30.988 pen. start 2.4

time 1431 stop 18.21 (full)

meas. length 214.5

Core catcher inverted, no sediment observed lost, soft clay at base

BSSOO-105 psc site 78

lat. 29°09.411 w.d. 24.9

long. 89°29.695 pen. start 2.9

time. 1518 stop 18.21 (full)

meas. length 198.5 ~1'

Rig pulled up from sea floor prior to shake - may have sed in barrel prior to redeployment. Catcher inverted, no sediment observed lost. Soft clay at base

BSSOO-106 psc site 59

lat. 29°12.004 w.d. 26.2

long. 89°34.927 pen. start 1.9

time 1628 stop. 16.35 refusal after 18 min.

meas. length. 201.5"

Stiff clay at base

9.24 9.26
0.5' 0.5'

Depth may be in meters

6/7/00 BARATARIA SAND RESOURCE STUDY - V-CORE.

Working in Bay today. Winds 15-20 kst east, seas 3-4'. (Bayshore)
Bay 1-2' chop. Crew: Phill M., B.J. R., Keith L., Jim F.

BSSOO-107 pvc site 49 Near Grand Terre, Bay Melville
lat. 29°18.215 w.d. 4.92 M
long. 89°55.376 pen. start 1.3'
time 811 stop 18.18 (Full)
meas. length. 154"

Catcher inverted >2 feet observed lost., Soft clay at base - muddy sand at top.

BSSOO-108 pvc site 56 Bay near Bayou Coupers
lat 29°22.503 w.d. 8.2
long. 89°55.028 pen. start
time 943 stop
meas. length 203.5"

Soft clay at base

BSSOO-109 pvc site 55 next to pvc site 56
lat 29°22.431 w.d. 4.3
long. 89°54.988 pen. start.
time. 1017 stop 17.17 refusal after 14.2 min.
meas. length. 184.5

med.-coarse sand at base

BSSOO-110 pvc site 54
lat. 29°23.06 w.d. 3.6
long. 89°54.[redacted]62 pen. start 0.97
time. 1104 stop 18.18 (Full)
meas. length 206.5"

Soft clay at base

BSSOO-111 pvc site 53
lat 29°23.222 w.d. 7.9
long. 89°54.483 pen. start 1.5 / 17.82 second attempt
time 1140 stop. 16.32 refusal after 17 min.
meas length. 193"

Barrel sunk to 3' then ~~to~~ prior to shake. Had to reposition rig. Brought rig to water column and vibrated before redeployment but some sed. may still be present at top of core. Sank to 15 second time.
Catcher inverted lost all sample. Install new barrel redeploy. Hard packed sand at base on second attempt

BSS00-112 gvc site 52

lat. 29° 23.363 — w.d. 8.2

long. 89° 54.362 — pen. start 3.32

time. 1209 — stop 18.18 (full)

meas. length 193"

mod. - stiff clay at base

BSS00-113 gvc site 50

lat. 29° 25.036 — w.d. 7.5

long. 89° 58.251 — pen. start 6.0

time 1404 — stop 18.18 (full)

meas. length. 189"

soft - ~~mod.~~ clay at base

6/8/00 BARATARIA SAND RES. STUDY – VCORE

Coring off Sandy Pt. and Bayou Fontanelle. Skies p. cloudy winds E-SE 15 kts, 1' chop. Crew. Phil M, Nick F. Dave B, Jim F.

BSS00-114 pvc site 107 Bayou Fontanelle

lat. 29° 13.845 — w.d. 15.6

long. 89° 34.745 — pen start

time 813 — Stop

meas length 97.5

Core sank to 6.3 feet and stopped hard. Hard packed sand at base. Install new barrel and deploy at same site

BSS00-114b same site as above

pen start 7.0 Stop. 10.64 meas. length 114

refusal after 12 min. hard packed sand at base

BSS00-115 pvc site 68 near scoured Bayou

lat. 29° 14.069 — w.d. 12.1

long. 89° 34.046' — pen. start 5.0

time. 951 — Stop 12.3 refusal after 9.75 min

meas length. 136"

mod. stiff clay at base. About 6" cut from top, put in Ziploc bag

BSS00-116 pvc site 106

lat. 29°13.456 — w.d. 15.6

long. 89° 33.371 — pen. start 4.2

time. 1100 — Stop. 17.58

meas-length 206"

Soft. mod. clay at base.

BSS00-117 pvc site 77, easternmost study area

lat 29° 11.585 — wd. 14.6

long. 89° 29.328 — pen start 4.5

time 1218 — Stop. 11.67 refusal after 10 min.

meas length. 136"

BSS00-118 pvc site 76

lat. 29° 11.841 — w.d. 15.4

long. 89° 29.845 — pen-start 2.9

time 1305 — Stop 16.6 refusal after 10 min

meas. length 175.5"

BSSOU-119 puc site 75

lat. 29° 11.952 — w.d. 15.5

long. 89° 30.088 — pen: start broke

time. 1350 — stop

meas. length 203.5

BSSOU-120 puc site 74

lat 29° 12.231 — w.d. 16.0

long. 89° 30.657 — pen start 2.0

time 1458 — stop ~17[illegible] refusal after ~10 min

meas. length 177.5

soft - med. clay at base

BSSOU-121 puc site 73

lat. 29° 12.479 — w.d. 16.0

long. 89° 31.082 — pen start 2.95

time 1653 — stop 18.18 (full)

meas. length. 192.5

soft - clay at base

POR possible

SOL 1	10:09:45	29° 17.961	89° 54.550	bearing ~55°
BOU 1	10:12:[illegible]	29° 18.092	89° 54.413	
SOL 2	10:16:28	29° 18.293	89° 54.638	bearing. 20°
SOL 2a	10:22:22	29° 18.762	89° 54.437	bearing 120°
SOL 2a	10:23:56	29° 18.746	89° 54.389	

6/9/00 BARATARIA SAND RES. STUDY U-CORE

Too rough outside 4' chop SE 15 kts. working two cores in Pass Abel. one at SOL1 and one at SOL2a previous page. Crew Phil M., NICK F., Dave C., Jim F.

BS500-122

lat. 29° 18.746 w.d. 5.6'

long. 89° 54.350 pen. start 4.0

time 1041 stop 18.18 (full)

meas. length 172.5

BS500-123

lat. ~~123~~ 29° 18.029 w.d. 6.3

long. 89° 54.429 pen. start 0.3

time 1122 stop 18.18 (full)

meas. length 168"

mod. soft clay at base

BS500-124

lat. 29° 18.009 w.d. 15.1'

long. 89° 54.509 pen. start 2.0

time 1206 stop broke (full previously)

meas. length 191.5

mod. - soft clay at base

6/10/00 Barataria Bay Sand Resource Study

Caminada Bay N-S transect (offshore sea state bad)

Skies clear SW wind 15-20 kts, light chop in Bay. N-S transect to compliment existing over and USACE ~~core~~ land-core sites.

Crew Nick F, Rebecca M., Dave B., Jim F.

B5500-125 "Site B" N. Caminada Bay

lat. 29° 17.175 — w.d. 5.6'

long. 90° 03.438 — pen-start

time 1334 — stop 18.8 (full)

meas. length 199"

Soft clay at base

B5500-126 "Site C" — w.d. 4.9

lat. 29° 14.855 — pen start Broke

long. ~~90~~ 90° 02.347 — stop

time 1406

Soft clay at base — meas. length 183.5"

B5500-127 near waterway "Site A"

lat. 29° 16.398 — w.d. 5.8

long. ~~90~~ 90° 02.095 — pen start Broke

time 1449 — stop

meas. length 187"

Soft clay at base

2.72 0.17 0.01
0.01

6/11/00 BARATARIA SAND RESOURCE STUDY V-CORE

Coring off Bastian Bay and east, mid- to near shore

Skies clear, winds 10-15 kts SE, chop 1', swell 1-2'

Crew: Nick F., Rebecca M., Dave B., Jim F.

BS500_128 pvc site 85

lat 29° 14.729 w.d. 24.6

long 88° 39.332 pen start Broke probably full

time 838 stop 10 min. shake time

meas. length 213"

Stiff clay at base

BS500_129 pvc site 84

lat. 29° 14.056 w.d. 24.2

long 89° 37.911 pen. start Broke (possibly full)

time 939 stop stop after 8 min. shake

meas. length 185"

Stiff clay at base

BS500_130 pvc site 110

lat. 29° 14.732 w.d. 19.8

long 89° 37.787 pen. start Broke

time 1027 stop may not have

meas. length. 89" penetrated completely

stiff clay at base

BS500_131 pvc site 67

lat. 29° 14.549 w.d. 11.9

long 89° 35.9 pen start Broke probable refusal

~~time~~ time 1117 stop 7 min shake time

meas. length 172"

hard-packed sands at base

BS500_132 pvc site 108

lat 29° 14.028 w.d. 15.3

long 89° 35.325 pen start Broke

time 1213 stop 10 min shake time

meas. length 198"

Clay at base, sand at top

6/11 (Cont.)

BSSOO-133 pvc site 101

lat 29° 12.573 w.d. 24.0

long 89° 34.984 ~~meas length~~ shook for 10 min.

time 1311 meas. length 206.5"

mod. clay at base

BSSOO-134 pvc site 71 off Bay coquette

lat 29° 12.788 w.d. 16.1

long 89° 31.810 Shook for 7 min. probably not full pen.

time 1414 meas. length 166"

~~Hard~~ Hard packed sand at bottom

BSSOO-135 pvc site 70 very close to BSSOO-134

lat 29° 12.811 w.d. 15.7

long. 89° 31.861 Shake. for 13 min.

time 1456:30 meas. length 149"

Hard packed sand at bottom

BSSOO-136 pvc site 69

lat 29° 13.323 w.d. 14.6

long. 89° 32.775

time 1548 meas. length.

Catcher inverted I observed lost, mod. clay at base

95
92
98
105

6/12 BARATARIA SAND RESOURCE STUDY V-CORE
mid field area offshore Scofield Bayou, Skies clear
seas 1 foot chop (crew: Nick F, Rebecca M, Dave B.)
Jim F.

B5500_137 pvc site 95
lat 29° 13.082' w.d 29.5 full pen. likely
long. 89° 38.075 10 min. shake
time 806 meas. length 222"
sand at base

B5500_138 pvc site 96
lat 29° 12.899 w.d. 27.3
long. 89° 36.983 13 min. shake
time 932 meas. length 202.5"
Sand at base

B5500_139 pvc site 82
lat 29° 12.700 w.d. 27.2'
long 89° 36.599 10 min. shake
time 1024 meas. length 179"
catcher inverted, may have had sand at base but lost

B5500_140 pvc site 98
lat 29° 12.797 w.d. 26.5
long 89° 36.288 shake for 7 min.
time 1124 meas. length 217"
hard packed sand at base

B5500_141 pvc site 103
lat 29° 12.138 w.d. 20.6
long 89° 32.568 8 min., sounds like its on bottom
time 1230 meas. length 197"
Clay at base