

# LOG OF BORING C-27



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CLIENT: HDR, Inc.  
 PROJECT: Prop. Large Scale Beach Nourishment Project  
 LOCATION: S. Jetty Borrow Source Area; Galveston, TX  
 NUMBER: G108558

DATE(S) DRILLED: 08/02/08 - 08/02/08

DRILLING METHOD(S):  
 Hollow Stem Auger

GROUNDWATER INFORMATION:

SURFACE ELEVATION: -14.7' NAVD

DESCRIPTION OF STRATUM

SOIL SYMBOL	FIELD DATA				LABORATORY DATA						
	Elevation, Ft. [NAVD]	SAMPLE NUMBER	SAMPLES	N: BLOWS/FT P: TONS/SQ.FT T: TONS/SQ.FT PERCENT RECOVERY/ ROCK QUALITY DESIGNATION	MOISTURE CONTENT (%)	ATTERBERG LIMITS			DRY DENSITY POUNDS/CU.FT	COMPRESSIVE STRENGTH (TONS/SQ.FT)	MINUS NO. 200 SIEVE (%)
						LL	PL	PI			
	5										
	10										
	15	SS S-1	N= WOH								
	18	SS S-2	N= WOH								
	20	SS S-3	N= WOH	43						46	
	22	SS S-4	N= 8								
	24	SS S-5	N= 2								
	25	SS S-6	N= 0	37						63	
	26	SS S-7	N= WOH								

**NO RECOVERY**

**CLAYEY SAND**, dark gray, very moist, very soft.

Same as above.

Same as above, stiff.

**POORLY GRADED SAND**, with shell and clay, dark gray, moist, very loose.

**SANDY CLAY**, with shell, dark gray, very moist, very soft.

Same as above.

Boring was extended to an elevation of -27.7-feet NAVD during the drilling operations.

LOG OF BORING G108558B PROP. LARGE SCALE BEACH NOURISHMENT PROJECT GPJ ROCK ETL GDT 10/20/08

N - STANDARD PENETRATION TEST RESISTANCE  
 P - POCKET PENETROMETER RESISTANCE  
 T - POCKET TORVANE SHEAR STRENGTH

REMARKS:  
 Boring depth and location was determined by HDR, Inc. Boring operations were performed by RETL.  
 GPS Coord. N. 29.33483 W. 94.71611



- Geotechnical Engineering
- Construction Materials Testing

**PROJECT NAME:** West Galveston Island Large Scale Beach Nourishment Project

**CLIENT:** HDR, Inc.

**BORING ID.:** C-27

**DESCRIPTION:** South Jetty Borrow Source Area

PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)	
-18.7 TO -20.7' NAVD	-24.7 TO -26.7' NAVD
N/A	N/A

ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL	
	-18.7 TO -20.7' NAVD	-24.7 TO -26.7' NAVD
#10	N/A	N/A
#18	N/A	N/A
#35	N/A	N/A
#60	N/A	N/A
#120	N/A	N/A
#170	N/A	N/A
#200	46.4	63.10
STATISTICS (EXCLUDING SHELL)		
MEDIAN GRAIN SIZE (mm)	N/A	N/A
MEAN GRAIN SIZE (mm)	N/A	N/A
SORTING ( $\sigma$ )	N/A	N/A

\*C-27; -18.7' to -20.7' NAVD and -24.7' to -26.7' NAVD were only passed through the -#200 sieve.