





- Geotechnical Engineering
- Construction Materials Testing

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

**CLIENT:** HDR, Inc.

**BORING ID.:** C-10

**DESCRIPTION:** South Jetty Borrow Source Area

PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)			
-9.4' TO -11.4' NAVD	-13.4' TO -15.4' NAVD	-15.4' TO -17.4' NAVD	-17.4' TO -19.4' NAVD
0.86	0.74	0.27	0.25

ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL			
	-9.4' TO -11.4' NAVD	-13.4' TO -15.4' NAVD	-15.4' TO -17.4' NAVD	-17.4' TO -19.4' NAVD
#10	100.00	100.00	100.00	100.00
#18	98.80	98.50	99.20	99.80
#35	97.20	97.60	99.10	99.30
#60	93.80	95.90	98.10	98.10
#70	73.55	93.16	72.34	93.05
#100	23.14	38.00	26.58	49.77
#120	8.10	9.70	15.40	19.70
#170	3.00	2.90	7.80	6.50
#200	2.40	2.30	6.70	5.00
STATISTICS (EXCLUDING SHELL)				
MEDIAN GRAIN SIZE (mm)	0.19	0.17	0.18	0.16
MEAN GRAIN SIZE (mm)	0.19	0.17	0.18	0.16
SORTING ( $\sigma$ )	0.39	0.28	N/A	0.36

\*The -#10 material was utilized as the total sample for Grain Size Distribution Curve calculations.