



- Geotechnical Engineering
- Construction Materials Testing

PROJECT NAME: Anchorage Basin Sand Source Investigation

CLIENT: HDR Engineering, Inc.

SAMPLE ID.: AA-30

DESCRIPTION: Anchorage Basin Borrow Source Area

PERCENT SHELL BY WEIGHT (BASED ON #10 SIEVE)	
-34' to -35' NAVD	-35' to -36' NAVD
0.01	N/A

ASTM MESH	% FINER BY WEIGHT AFTER REMOVING SHELL	
	-34' to -35' NAVD	-35' to -36' NAVD
#10	100.00	N/A
#18	99.98	N/A
#35	99.95	N/A
#60	99.89	N/A
#70	99.76	N/A
#100	96.42	N/A
#120	86.39	N/A
#170	75.18	N/A
#200	64.26	84.00
STATISTICS (EXCLUDING SHELL)		
MEDIAN GRAIN SIZE (mm)	N/A	N/A
MEAN GRAIN SIZE (mm)	N/A	N/A
SORTING (σ)	N/A	N/A

*AA-30; -34' to -35' NAVD was only passed through the -#200 sieve.

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

LOG OF BORING AA-30



Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

CLIENT: HDR Engineering, Inc.
PROJECT: Anchorage Basin Sand Source Investigation
LOCATION: Anchorage Basin; Galveston, Texas
NUMBER: G109112

DATE(S) DRILLED: 03/10/09 - 03/10/09

DRILLING METHOD(S):

Vibracore

GROUNDWATER INFORMATION:

SURFACE ELEVATION: -34' 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			
	19										
	20										
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										
	29										
	30										
	31										
	32										
	33										
	34										
	35	S-1								64	
	36	S-2								84	

SANDY CLAY, gray.
Same as above, dark gray.

REMARKS:
Boring depth and location was determined by HDR Engineering, Inc. Boring operations were performed by Ocean Surveys, Inc.
GPS Coord. N. 13,700,597' E. 3,325,148'

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

LOG OF BORING: G109112 PROP. ANCHORAGE BASIN SAND SOURCE.GPJ ROCK_ETL_GDT_4/28/09

LOG OF BORING AA-30



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Vibracore

GROUNDWATER INFORMATION:

SURFACE ELEVATION: -34' NAVD

DESCRIPTION OF STRATUM

Same as above.

SANDY CLAY, dark gray.

Same as above.

Same as above, dark gray and gray.

Boring was extended to an elevation of -40-feet NAVD during the drilling operations.

FIELD DATA

LABORATORY DATA

SOIL SYMBOL	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 (%)
						LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX			
						LL	PL	PI			
37	S-3										
38	S-4										
39	S-5										
40	S-6										

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