

VIBRACORE LOG

Project: <u>TOWN OF PALM BEACH LAKE WORTH JAIL</u>		Core No: <u>9</u>	
Coordinates:	Date: <u>7-21-88</u>	Water Depth <u>24'</u>	NGVD
N = <u>883414.4</u>	Start Time <u>12:20</u>	Driller <u>RODNEY MEYER</u>	
E = <u>815809.9</u>	End Time <u>12:45</u>	Client Rep. <u>JEFF ANDERSON</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>		0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>20'</u>						
Length Recovered <u>16.5'</u>				GREY SAND (104R 7/1)	27'	(SP)
Length Retained <u>16.5'</u>						
Remarks: <u>PENETRATION TIME: 17 MIN</u>		5		BROWN COARSE SAND & SHELL (104R 7/3)		
Support Vessel <u>M-3</u>				GREY SAND & SCATTERED SHELL (104R 7/2)	5.5'	(SP)
Positioning System <u>TRIPMINDER</u>		10				
Positioning Remarks:				SHELL LAYER (104R 7/5)		
Weather <u>CLEAR</u>				GREY SAND (104R 7/1)	13.5'	(SP)
Wind						
Dir: <u>SE</u>		15				
Est. Speed <u>5-10 knts</u>				COARSE SAND SHELL FRAG & CEMENTED SAND		
Waves						
Dir: <u>SE</u>						
Height <u>0-2'</u>						
Current						
Dir: <u>NORTH</u>		20				
Est. Speed: <u>1-2 Knts</u>						
Analysis By: <u>FK</u>						
Date: <u>9/25/88</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES
NAME: FGK
DATE: OCT. 3, 1988

LINE NO. CORE #9
SAMPLE ELEVATION 2.7' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 565.39
SAMPLE WEIGHT AFTER WASH 559.68

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.61	.11	99.89
7	-1.50	2.8	1.20	.21	99.79
10	-1.00	2.0	1.62	.29	99.71
14	-0.50	1.4	3.39	.60	99.40
18	0.00	1.0	5.91	1.05	98.95
25	0.50	0.71	10.21	1.81	98.19
35	1.00	0.5	35.86	6.34	93.66
45	1.50	0.355	217.56	38.48	61.52
60	2.00	0.25	391.19	69.19	30.81
80	2.50	0.18	471.18	83.34	16.66
120	3.00	0.125	550.71	97.40	2.60
170	3.50	0.09	557.87	98.67	1.33
200	3.75	0.075	558.20	98.73	1.27
230	4.00	0.063	558.26	99.24	.76
PAN			558.32	99.25	.75

SIEVE LOSS 1.36 MEDIAN (mm) .316
WT. AVE. (mm) .284 MEAN (mm) .285
SILT/CLAY % 1.03 SORTING .682
PHI(16) 1.132 PHI(84) 2.495

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES
NAME: FGK
DATE: OCT. 3, 1988

LINE NO. CORE #9
SAMPLE ELEVATION 8' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 634.25
SAMPLE WEIGHT AFTER WASH 629.91

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	6.81	1.07	98.93
7	-1.50	2.8	10.00	1.58	98.42
10	-1.00	2.0	16.55	2.61	97.39
14	-0.50	1.4	27.60	4.35	95.65
18	0.00	1.0	50.00	7.88	92.12
25	0.50	0.71	81.85	12.91	87.09
35	1.00	0.5	166.23	26.21	73.79
45	1.50	0.355	380.19	59.94	40.06
60	2.00	0.25	507.95	80.09	19.91
80	2.50	0.18	558.80	88.10	11.90
120	3.00	0.125	620.55	97.84	2.16
170	3.50	0.09	627.28	98.90	1.10
200	3.75	0.075	627.45	98.93	1.07
230	4.00	0.063	628.15	99.38	.62
PAN			629.17	99.54	.46

SIEVE LOSS .74 MEDIAN (mm) .398
WT. AVE. (mm) .441 MEAN (mm) .378
SILT/CLAY % .96 SORTING .808
PHI(16) .597 PHI(84) 2.212

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES

NAME: FGK

DATE: OCT. 3, 1988

LINE NO. CORE #9
SAMPLE ELEVATION 13.5' DEEP

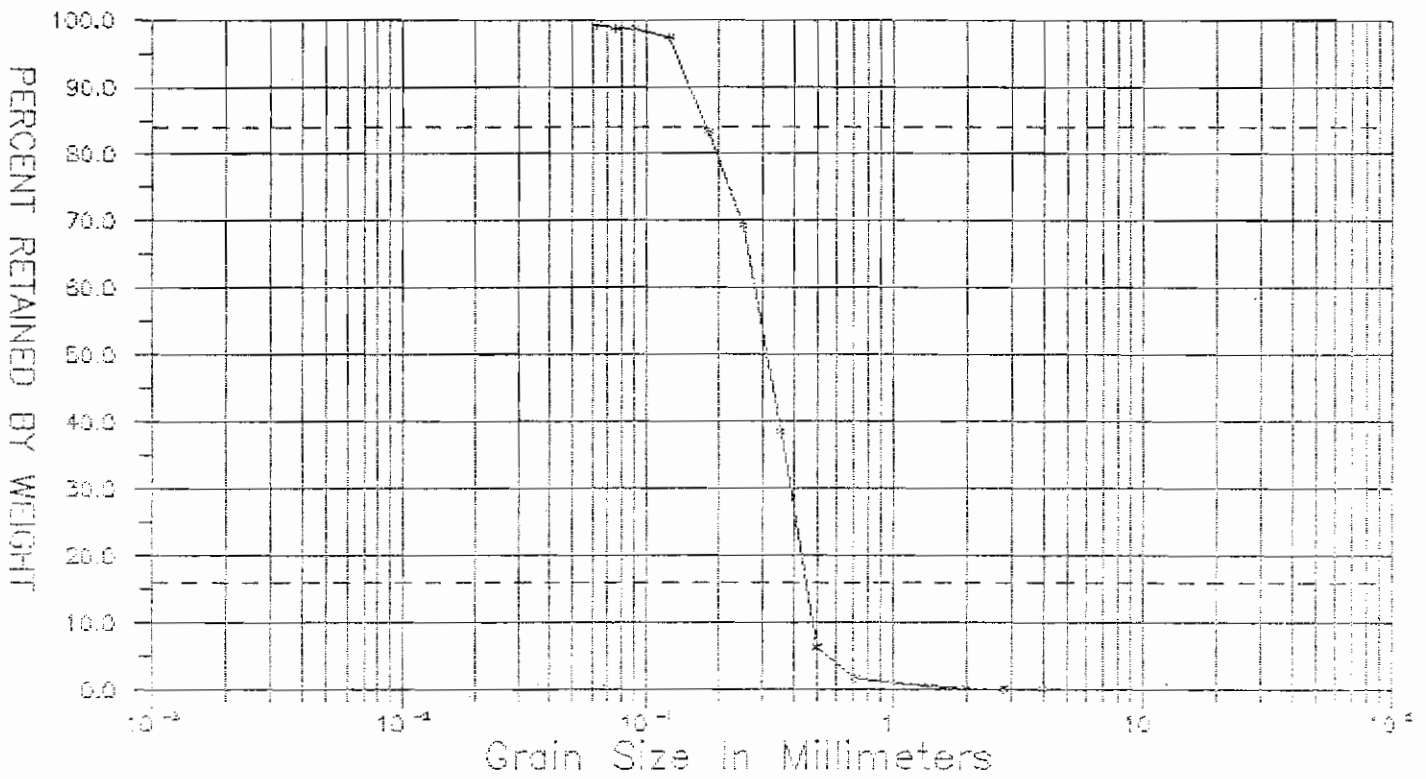
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 584.36
SAMPLE WEIGHT AFTER WASH 579.42

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	1.57	.27	99.73
7	-1.50	2.8	3.91	.67	99.33
10	-1.00	2.0	7.61	1.30	98.70
14	-0.50	1.4	14.76	2.53	97.47
18	0.00	1.0	25.92	4.44	95.56
25	0.50	0.71	40.35	6.90	93.10
35	1.00	0.5	77.10	13.19	86.81
45	1.50	0.355	329.51	56.39	43.61
60	2.00	0.25	420.62	71.98	28.02
80	2.50	0.18	472.68	80.89	19.11
120	3.00	0.125	563.25	96.39	3.61
170	3.50	0.09	576.95	98.73	1.27
200	3.75	0.075	577.31	98.79	1.21
230	4.00	0.063	578.39	99.40	.60
PAN			578.82	99.47	.53

SIEVE LOSS .60 MEDIAN (mm) .376
WT. AVE. (mm) .353 MEAN (mm) .288
SILT/CLAY % 1.10 SORTING .769
PHI(16) 1.027 PHI(84) 2.565

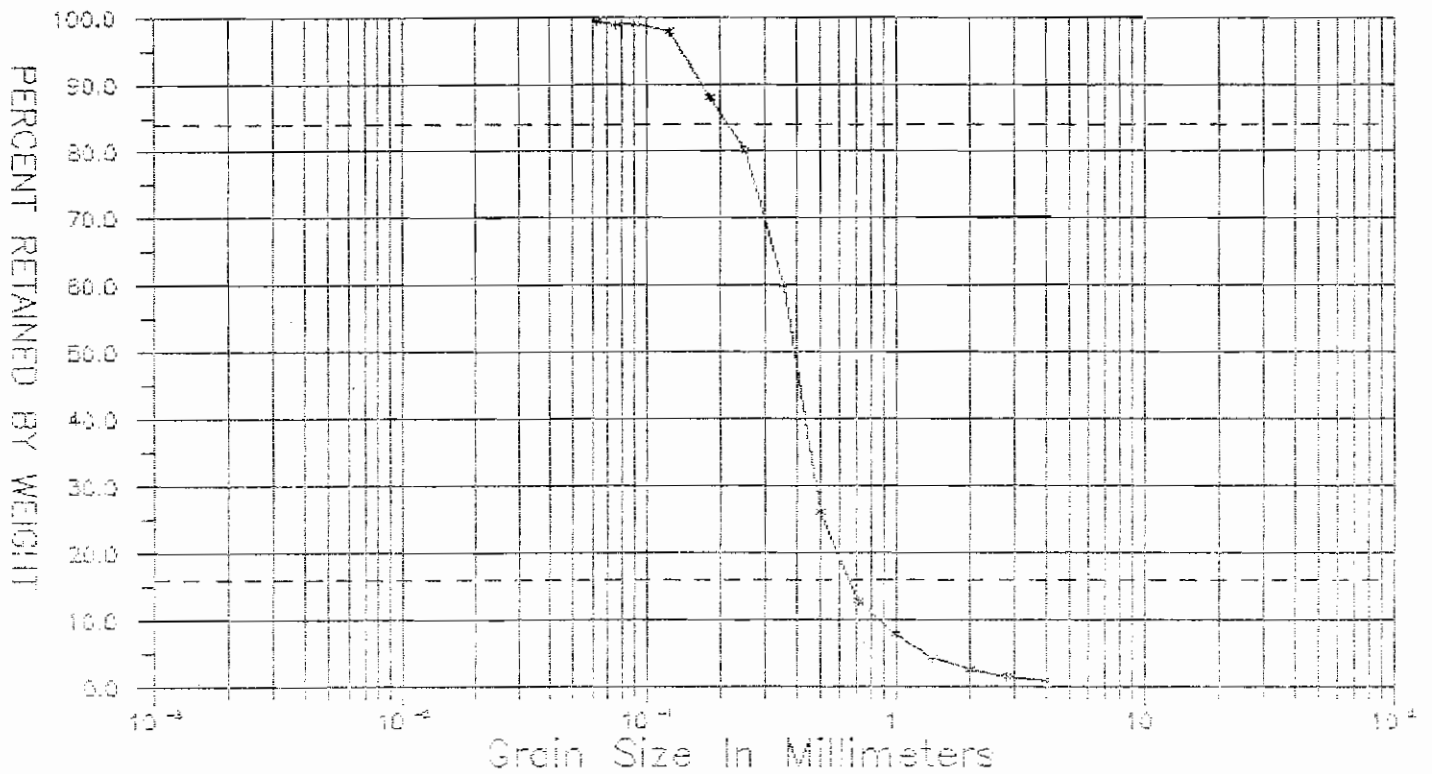
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #9 2.7'	MEAN	MEDIAN	SORTING	USCS
5/21/98	.055	.316	.682	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #9 B.O.P.	MEAN	MEDIAN	SORTING	USCS
9/21/98	.378	.398	.809	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #	DATE	MEAN	MEDIAN	USCS
9	9/21/88	.298	.376	SP