

VIBRACORE LOG

Project: <u>TOWN OF PALM BEACH - 1 AVE NORTH JULET</u> Core No: <u>8</u>						
Coordinates:		Date: <u>9-21-88</u>	Water Depth <u>30'</u> NGVD			
N = <u>884407.6</u>		Start Time <u>10 59</u>	Driller <u>RODNEY D. MEYER</u>			
E = <u>816693.8</u>		End Time <u>11 28</u>	Client Rep. <u>JEFF ANDREWS</u>			

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u> Length of Barrel <u>22'</u> Penetration Depth <u>12'</u> Length Recovered <u>14.5'</u> Length Retained <u>14.5'</u> Remarks: <u>PENETRATION TIME 12 MIN</u>		0				
Support Vessel <u>M-3</u> Positioning System <u>TRISPOUNDER</u> Positioning Remarks:		5		SHELL LAYER GREY SAND (1042 7/1)	3.2'	(SP)
		10		COARSE SANDS SHELL LAYER GREY SAND (1042 7/1)	7.2'	(SP)
Weather <u>CLF</u> <u>Wind</u> Dir: <u>SE</u> Est. Speed <u>5-10 KNOTS</u> <u>Waves</u> Dir: <u>SE</u> Height <u>0-2'</u> <u>Current</u> Dir: <u>NORTH</u> Est. Speed: <u>1-2 KNOTS</u>		15		COARSE SANDS SHELL LAYER GREY SAND (1042 7/1)	12.2'	(SP)
		20				
Analysis By: <u>FGK</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 #8
SAMPLE ELEVATION 2.2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 546.98
SAMPLE WEIGHT AFTER WASH 540.36

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.00 0	.00	100.00
7	-1.50	2.8	.56 .04	.10	99.90
10	-1.00	2.0	.63 .04	.12	99.88
14	-0.50	1.4	1.30 .09	.24	99.76
18	0.00	1.0	1.82 .15	.33	99.67
25	0.50	0.71	2.92 .20	.53	99.47
35	1.00	0.5	7.91 .55	1.45	98.55
45	1.50	0.355	108.31 7.50	19.80	80.20
60	2.00	0.25	248.82 17.51	45.49	54.51
80	2.50	0.18	359.24 24.82	65.68	34.32
120	3.00	0.125	515.92 35.69	94.32	5.68
170	3.50	0.09	538.57 31.26	98.46	1.54
200	3.75	0.075	538.99 31.22	98.54	1.46
230	4.00	0.063	539.43 27.31	99.22	.78
PAN			539.49 37.32	99.24	.76

SIEVE LOSS	.87	MEDIAN (mm)	.234
WT. AVE. (mm)	.220	MEAN (mm)	.236
SILT/CLAY %	1.30	SORTING	.705
PHI(16)	1.377	PHI(84)	2.788

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 #8
SAMPLE ELEVATION 9.2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 512.56
SAMPLE WEIGHT AFTER WASH 506.35

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	2.01	.39	99.61
7	-1.50	2.8	2.32	.45	99.55
10	-1.00	2.0	2.68	.52	99.48
14	-0.50	1.4	4.17	.81	99.19
18	0.00	1.0	7.80	1.52	98.48
25	0.50	0.71	17.64	3.44	96.56
35	1.00	0.5	52.51	10.24	89.76
45	1.50	0.355	244.32	47.67	52.33
60	2.00	0.25	302.46	59.01	40.99
80	2.50	0.18	394.75	77.02	22.98
120	3.00	0.125	484.60	94.55	5.45
170	3.50	0.09	503.72	98.28	1.72
200	3.75	0.075	504.41	98.41	1.59
230	4.00	0.063	504.82	99.10	.90
PAN			505.60	99.25	.75

SIEVE LOSS .75 MEDIAN (mm) .333
WT. AVE. (mm) .300 MEAN (mm) .275
SILT/CLAY % 1.44 SORTING .798
PHI(16) 1.066 PHI(84) 2.661

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 #8
SAMPLE ELEVATION 12.2' DEEP

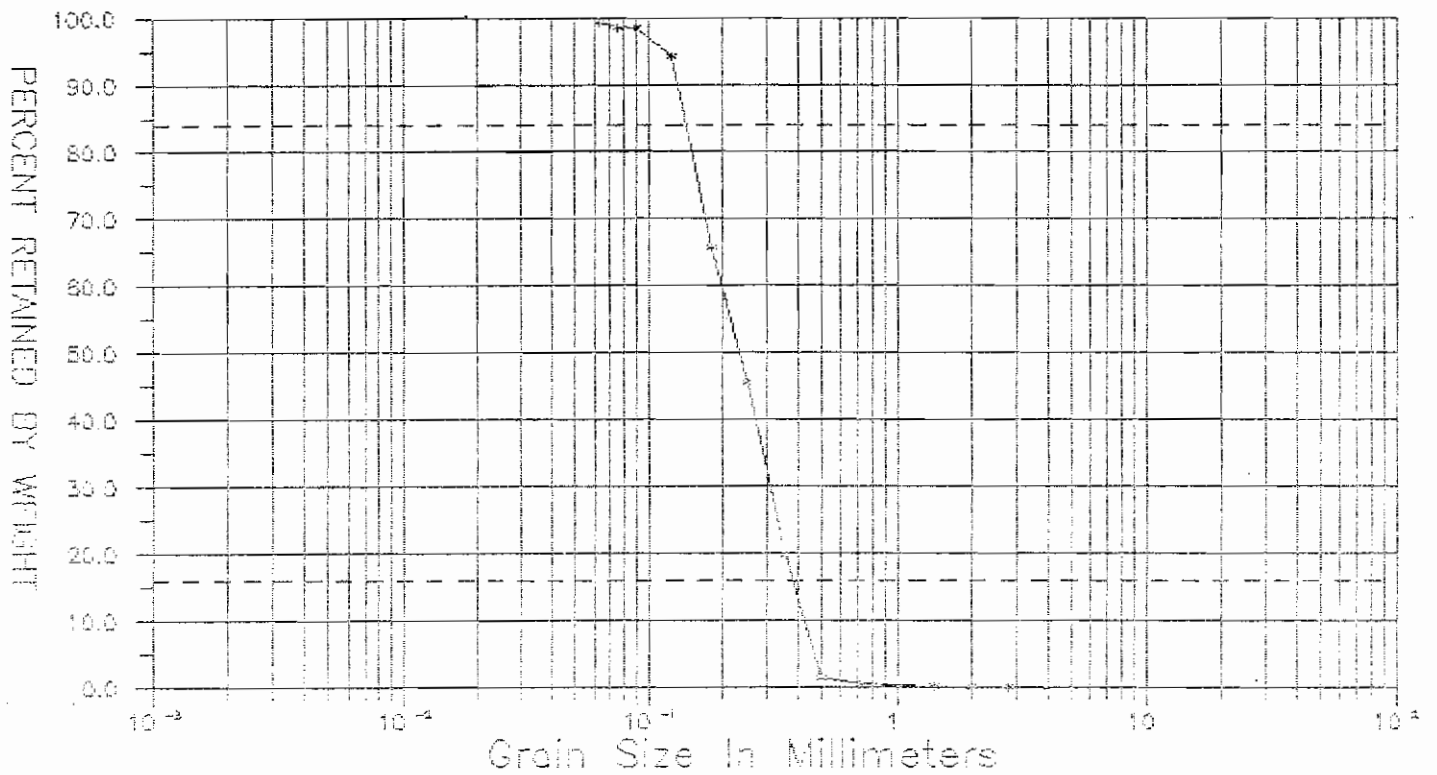
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 545.69
SAMPLE WEIGHT AFTER WASH 540.63

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	3.61	.66	99.34
7	-1.50	2.8	7.50	1.37	98.63
10	-1.00	2.0	12.20	2.24	97.76
14	-0.50	1.4	21.49	3.94	96.06
18	0.00	1.0	38.25	7.01	92.99
25	0.50	0.71	63.17	11.58	88.42
35	1.00	0.5	120.43	22.07	77.93
45	1.50	0.355	258.33	47.34	52.66
60	2.00	0.25	377.87	69.25	30.75
80	2.50	0.18	421.41	77.23	22.77
120	3.00	0.125	526.22	96.43	3.57
170	3.50	0.09	536.80	98.37	1.63
200	3.75	0.075	537.43	98.49	1.51
230	4.00	0.063	538.17	99.09	.91
PAN			538.59	99.16	.84

SIEVE LOSS	2.04	MEDIAN (mm)	.342
WT. AVE. (mm)	.392	MEAN (mm)	.316
SILT/CLAY %	1.14	SORTING	.976
PHI(16)	.686	PHI(84)	2.638

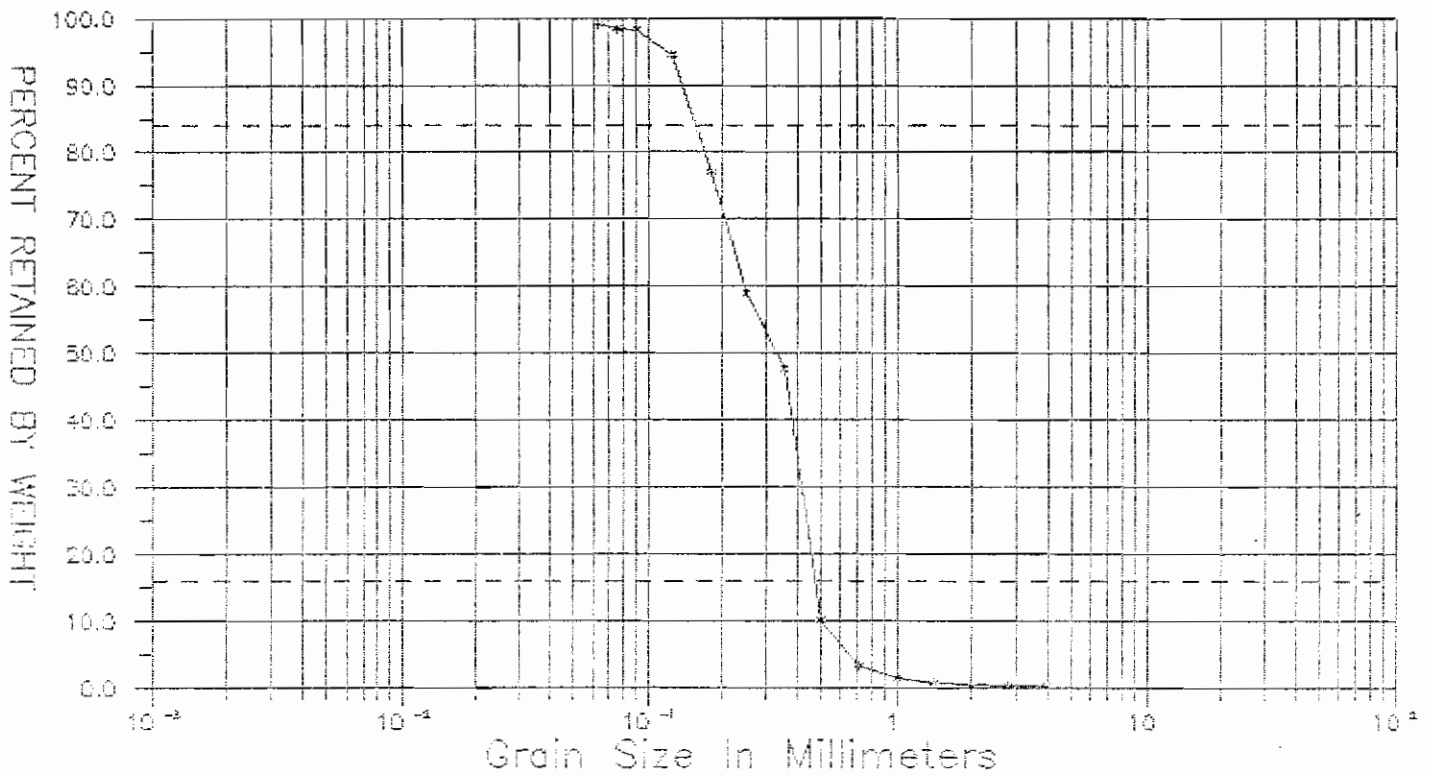
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #6 2.2'	MEAN	MEDIAN	SORTING	USCS
8/21/88	.238	.234	.705	SP

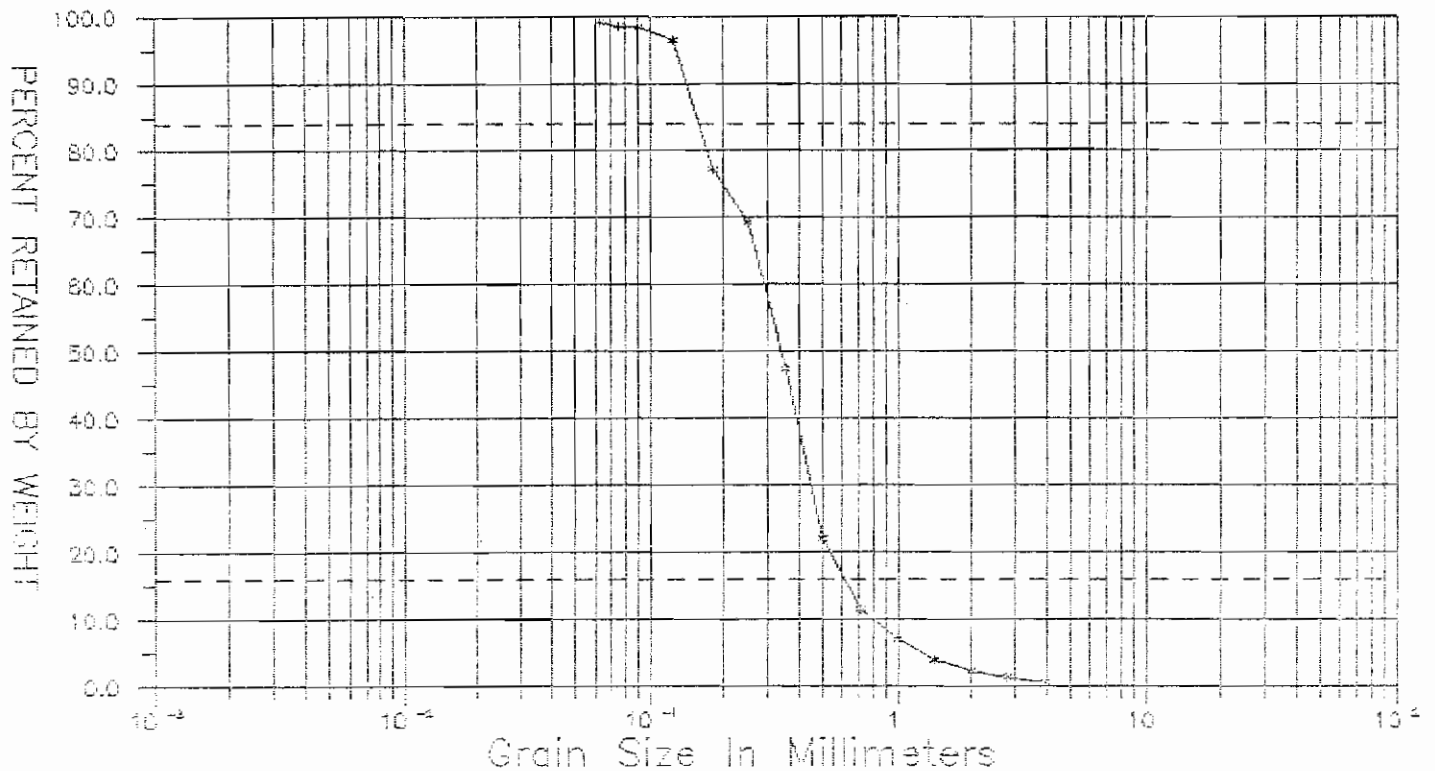
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #8 9.2'	MEAN	MEDIAN	SORTING	USCS
9/21/98	.275	.333	.799	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
9/21/88		319	342	SP