

# VIBRACORE LOG

Project: <u>TOWN OF PALM BEACH - LAKE WORTH INLET</u> Core No: <u>2</u>						
Coordinates:		Date: <u>9/20/88</u>		Water Depth <u>49'</u> NGVD		
N = <u>889873.5</u>		Start Time <u>1322</u>		Driller <u>RODNEY MEYER</u>		
E = <u>818371.5</u>		End Time <u>1350</u>		Client Rep. <u>JEFF ANDREWS</u>		

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3 1/2"</u>		0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>14.0'</u>				SILT LAYER		
Length Recovered <u>14.0'</u>				GREY SAND	2.0'	(SP)
Length Retained <u>14.0'</u>				(10 YR 7/1)		
Remarks:						
<u>PENETRATION TIME 11 MIN</u>						
Support Vessel <u>M-3</u>		5		CORAL FRAG		
Positioning System <u>TRISPOUNDER</u>				< 1" DIAM		
Positioning Remarks:					7.0'	(SP)
Weather <u>CLEAR</u>		10		COARSE GREY SAND W/		
Wind Dir: <u>SE</u>				CCMENTED SANDS		
Est. Speed <u>5-10 Knots</u>				CORAL FRAG		
Waves Dir: <u>SE</u>				(10 YR 7/1)		
Height <u>0-2'</u>				BROWN SAND		
Current Dir: <u>NORTH</u>				(10 YR 7/3)		
Est. Speed: <u>1-2 Knots</u>		15		SILT LAYER		
Analysis By: <u>FK</u>						
Date: <u>9/25/88</u>						
Analysis Method:						
		20				

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

SAMPLE TYPE: CORE SAMPLES

NAME: FGK

DATE: OCT. 3, 1988

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LINE NO. CORE #2  
SAMPLE ELEVATION 2' DEEP  
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USCS  
DESCRIPTION  
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DRY SAMPLE WT. (GRAMS) 532.95  
SAMPLE WEIGHT AFTER WASH 526.81  
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SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	1.71 <sup>1.71</sup>	.32	99.68
7	-1.50	2.8	1.96 <sup>1.96</sup>	.37	99.63
10	-1.00	2.0	2.34 <sup>2.34</sup>	.44	99.56
14	-0.50	1.4	3.52 <sup>3.52</sup>	.66	99.34
18	0.00	1.0	6.02 <sup>6.02</sup>	1.13	98.87
25	0.50	0.71	9.87 <sup>9.87</sup>	1.85	98.15
35	1.00	0.5	23.57 <sup>23.57</sup>	4.42	95.58
45	1.50	0.355	153.56 <sup>153.56</sup>	28.81	71.19
60	2.00	0.25	294.21 <sup>294.21</sup>	55.20	44.80
80	2.50	0.18	405.20 <sup>405.20</sup>	76.03	23.97
120	3.00	0.125	504.20 <sup>504.20</sup>	94.61	5.39
170	3.50	0.09	525.69 <sup>525.69</sup>	98.64	1.36
200	3.75	0.075	526.25 <sup>526.25</sup>	98.74	1.26
230	4.00	0.063	526.55 <sup>526.55</sup>	99.38	.62
PAN			526.64 <sup>526.64</sup>	99.39	.61

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SIEVE LOSS .17 MEDIAN (mm) .271  
WT. AVE. (mm) .261 MEAN (mm) .260  
SILT/CLAY % 1.23 SORTING .732  
PHI(16) 1.214 PHI(84) 2.677  
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GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

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

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LINE NO. CORE #2  
SAMPLE ELEVATION 7' DEEP  
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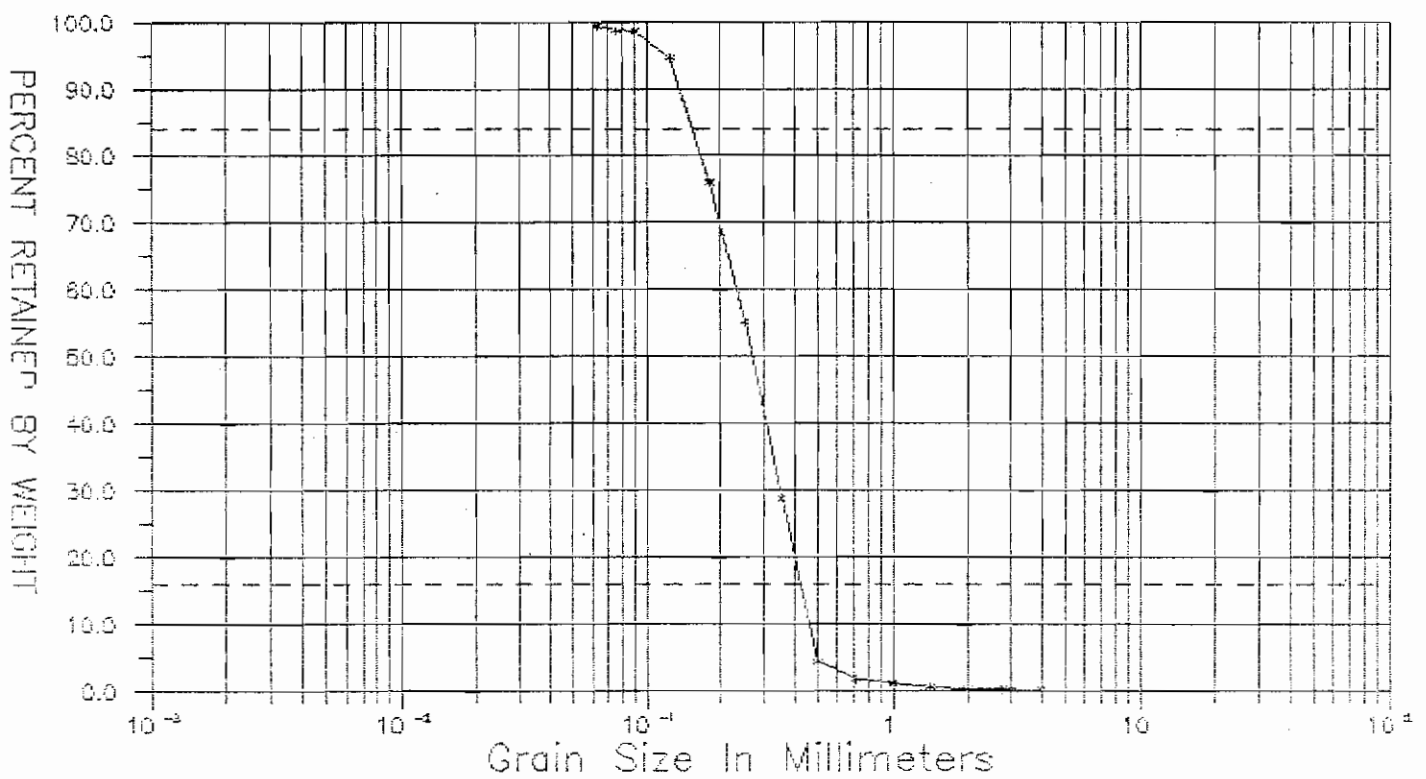
USCS  
DESCRIPTION  
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DRY SAMPLE WT. (GRAMS) 596.27  
SAMPLE WEIGHT AFTER WASH 588.95  
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SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	19.02	3.19	96.81
7	-1.50	2.8	20.45	3.43	96.57
10	-1.00	2.0	22.62	3.79	96.21
14	-0.50	1.4	25.76	4.32	95.68
18	0.00	1.0	30.75	5.16	94.84
25	0.50	0.71	41.21	6.91	93.09
35	1.00	0.5	70.20	11.77	88.23
45	1.50	0.355	144.30	24.20	75.80
60	2.00	0.25	246.95	41.42	58.58
80	2.50	0.18	408.05	68.43	31.57
120	3.00	0.125	557.20	93.45	6.55
170	3.50	0.09	585.52	98.20	1.80
200	3.75	0.075	586.65	98.39	1.61
230	4.00	0.063	587.00	99.06	.94
PAN			587.37	99.12	.88

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SIEVE LOSS 1.58 MEDIAN (mm) .228  
WT. AVE. (mm) .370 MEAN (mm) .256  
SILT/CLAY % 1.35 SORTING .814  
PHI(16) 1.150 PHI(84) 2.778  
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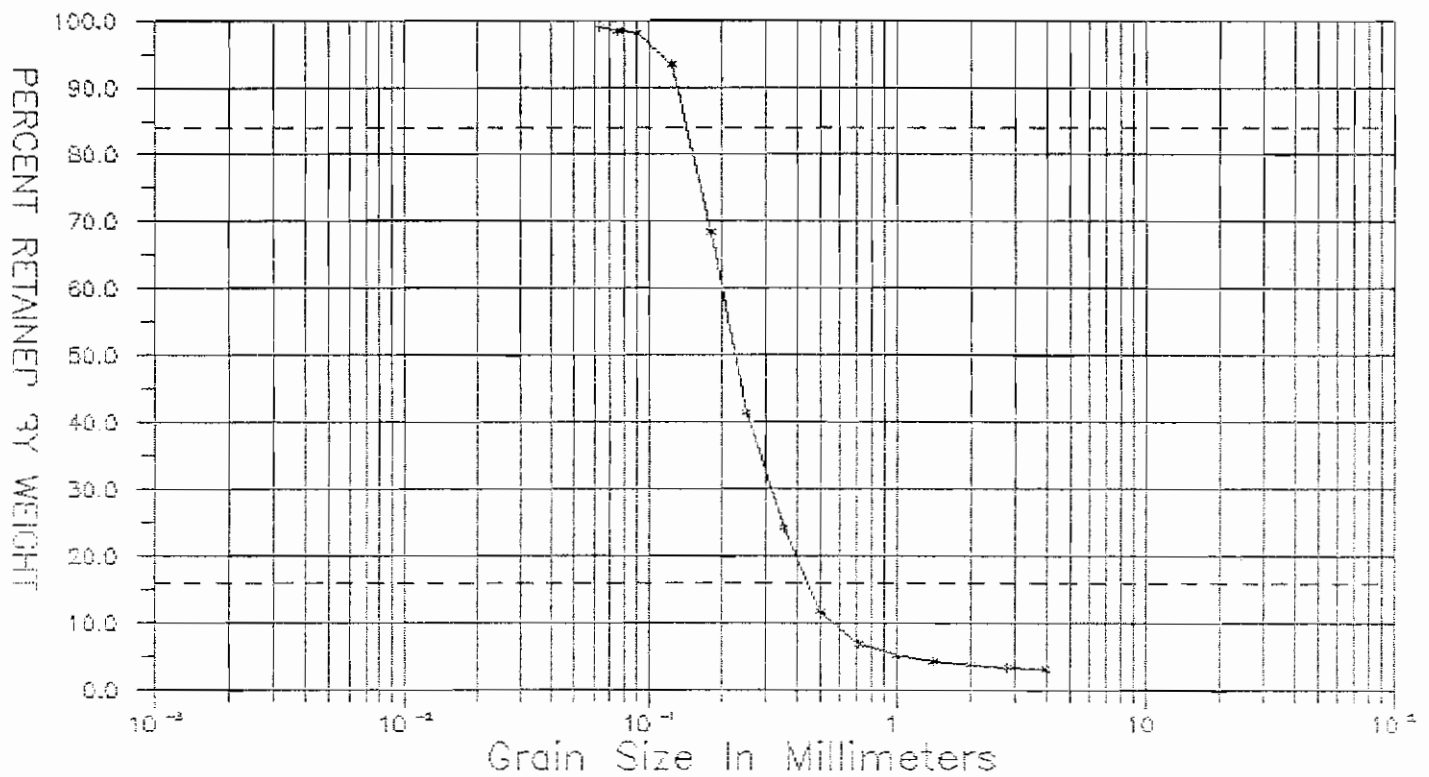
# TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION			
CORE #	2.0	MEAN	MEDIAN	SORTING	USCS
9/20/98		.260	.271	.732	SP

# TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #2 7.0'	MEAN	MEDIAN	SORTING	USCS
9/20/98	253	228	.814	SP