

VIBRACORE LOG

Project: <u>TOWN OF PALM BEACH LAKE NORTH INLET</u> Core No: <u>1</u>						
Coordinates:		Date: <u>9-20-88</u>		Water Depth <u>29'</u> NGVD		
N = <u>890604.1</u>		Start Time <u>1015</u>		Driller <u>RODNEY MEYER</u>		
E = <u>817835.1</u>		End Time <u>1100</u>		Client Rep. <u>JEFF ANDREWS</u>		

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>		0				
Length of Barrel <u>20'</u>				GREY SAND		
Penetration Depth <u>17.5'</u>				(104R 711)		
Length Recovered <u>17.0'</u>				↓		
Length Retained <u>17.0'</u>					3.2'	(SP)
Remarks:		5				
<u>PENETRATION TIME: 15 MIN</u>						
Support Vessel <u>M-3</u>						
Positioning System <u>TRISponder</u>						
Positioning Remarks:						SHELL QTY < 1%
		10		SILT LAYER		
Weather <u>CLEAR</u>						
Wind						
Dir: <u>SE</u>						
Est. Speed <u>5-10 knots</u>					12.2'	(SP)
Waves						
Dir: <u>SE</u>				SILT LAYER		
Height <u>0-2'</u>						
Current		15				
Dir: <u>NORTH</u>						
Est. Speed: <u>1-2 knots</u>						
Analysis By: <u>FK</u>		20				
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 #1
SAMPLE ELEVATION 3.2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 607.25
SAMPLE WEIGHT AFTER WASH 597.97

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.000	.00	100.00
7	-1.50	2.8	.000	.00	100.00
10	-1.00	2.0	.0200	.00	100.00
14	-0.50	1.4	.0400	.01	99.99
18	0.00	1.0	.2400	.04	99.96
25	0.50	0.71	.6000	.10	99.90
35	1.00	0.5	2.0000	.33	99.67
45	1.50	0.355	13.1000	2.16	97.84
60	2.00	0.25	69.2000	11.40	88.60
80	2.50	0.18	259.4900	42.73	57.27
120	3.00	0.125	572.52	94.28	5.72
170	3.50	0.09	595.63	98.09	1.91
200	3.75	0.075	596.33	98.20	1.80
230	4.00	0.063	597.25	99.12	.88
PAN			597.43	99.15	.85

SIEVE LOSS .54 MEDIAN (mm) .172
WT. AVE. (mm) .159 MEAN (mm) .181
SILT/CLAY % 1.71 SORTING .409
PHI(16) 2.061 PHI(84) 2.879

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 #1
SAMPLE ELEVATION 12.2' DEEP

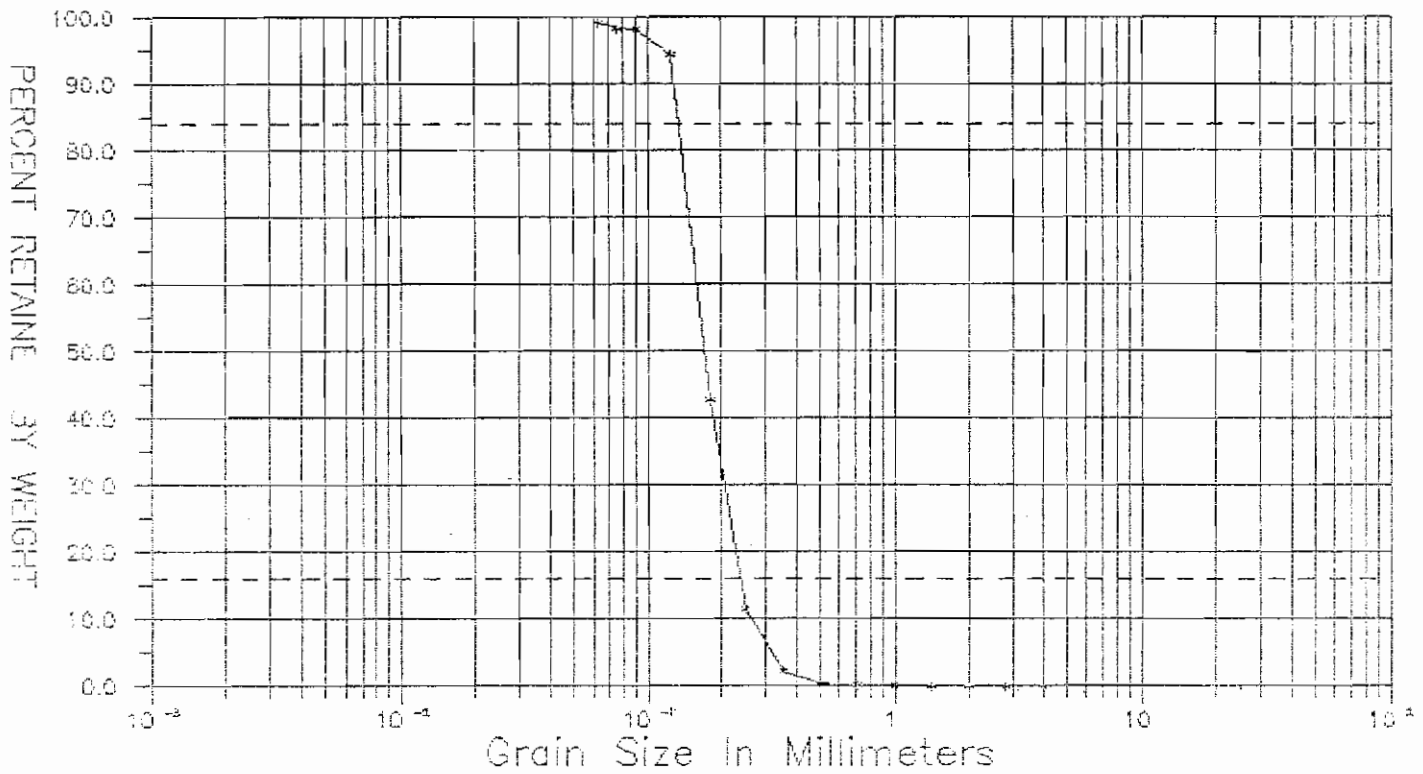
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 564.04
SAMPLE WEIGHT AFTER WASH 550.96

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.000	.00	100.00
7	-1.50	2.8	.000	.00	100.00
10	-1.00	2.0	.000	.00	100.00
14	-0.50	1.4	.140	.02	99.98
18	0.00	1.0	.20	.04	99.96
25	0.50	0.71	.73	.13	99.87
35	1.00	0.5	1.85	.33	99.67
45	1.50	0.355	6.00	1.06	98.94
60	2.00	0.25	58.95	10.45	89.55
80	2.50	0.18	292.93	51.93	48.07
120	3.00	0.125	524.30	92.95	7.05
170	3.50	0.09	549.75	97.47	2.53
200	3.75	0.075	549.99	97.51	2.49
230	4.00	0.063	550.20	98.71	1.29
PAN			550.45	98.75	1.25

SIEVE LOSS	.51	MEDIAN (mm)	.183
WT. AVE. (mm)	.162	MEAN (mm)	.182
SILT/CLAY %	2.40	SORTING	.406
PHI(16)	2.055	PHI(84)	2.868

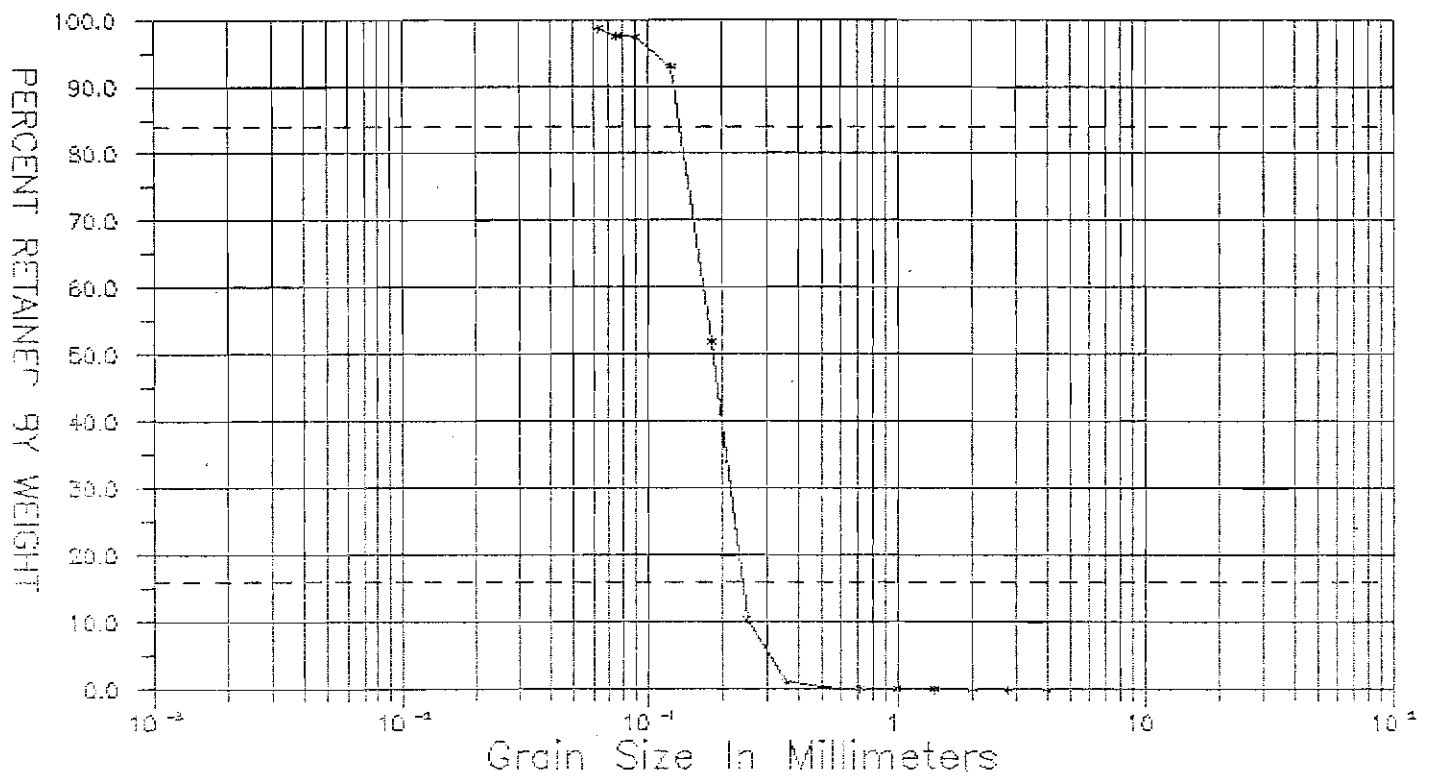
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION			
CORE #1	3.2	MEAN	MEDIAN	SORTING	USCS
9/20/98		.181	.172	.409	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #1 12.21	MEAN	MEDIAN	SORTING	USCS
9/20/98	.182	.183	.406	SP