

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES

ENVIRONMENTAL SEATON NATURAL SOIL FILL SAMPLES FIT SAMPLES

CORE NO.	10	10	10
SAMPLE DEPTH (FT)	2.0	8.0	15.0

U.S.C.S. DESCRIPTION	SF	SF	SF
-------------------------	----	----	----

DRY SAMPLE WT (GRAMS)	205.14	182.01	226.02
SAMPLE WT AFTER WASH	202.35	176.41	224.64

SIEVE SIZE	THI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	1.51	0.74	99.25	0.00	0.00	100.00	0.20	0.09	99.91
7	-1.50	2.8	1.89	0.97	99.03	0.51	0.28	99.72	0.69	0.30	99.70
10	-1.00	2	2.40	1.17	98.83	0.63	0.34	99.66	1.45	0.64	99.36
14	-0.50	1.4	3.01	1.47	98.53	0.70	0.38	99.62	2.37	1.04	98.96
18	0.00	1	3.70	1.80	98.20	1.00	0.55	99.45	3.51	1.55	98.45
25	0.50	0.71	4.50	2.19	97.81	1.26	0.69	99.31	4.62	2.04	97.96
35	1.00	0.5	5.77	2.81	97.19	2.50	1.37	98.63	7.12	3.14	96.86
45	1.50	0.355	9.21	4.48	95.51	4.75	2.50	97.40	12.28	5.41	94.59
60	2.00	0.25	26.10	12.72	87.28	15.85	8.68	91.32	31.71	13.98	86.02
80	2.50	0.18	98.72	48.12	51.88	108.80	60.13	39.87	144.42	63.67	36.33
120	3.00	0.125	175.78	85.89	14.31	167.89	91.94	8.06	203.19	89.58	10.42
170	3.50	0.09	200.25	97.62	2.38	175.00	96.38	3.62	222.80	98.23	1.77
200	3.75	0.075	201.19	98.07	1.93	177.79	97.36	2.64	223.89	98.82	1.38
230	4.00	0.060	201.42	98.19	1.81	178.09	97.52	2.48	223.89	98.71	1.29
PAN			201.55	98.25		178.11	97.54		223.92	98.72	

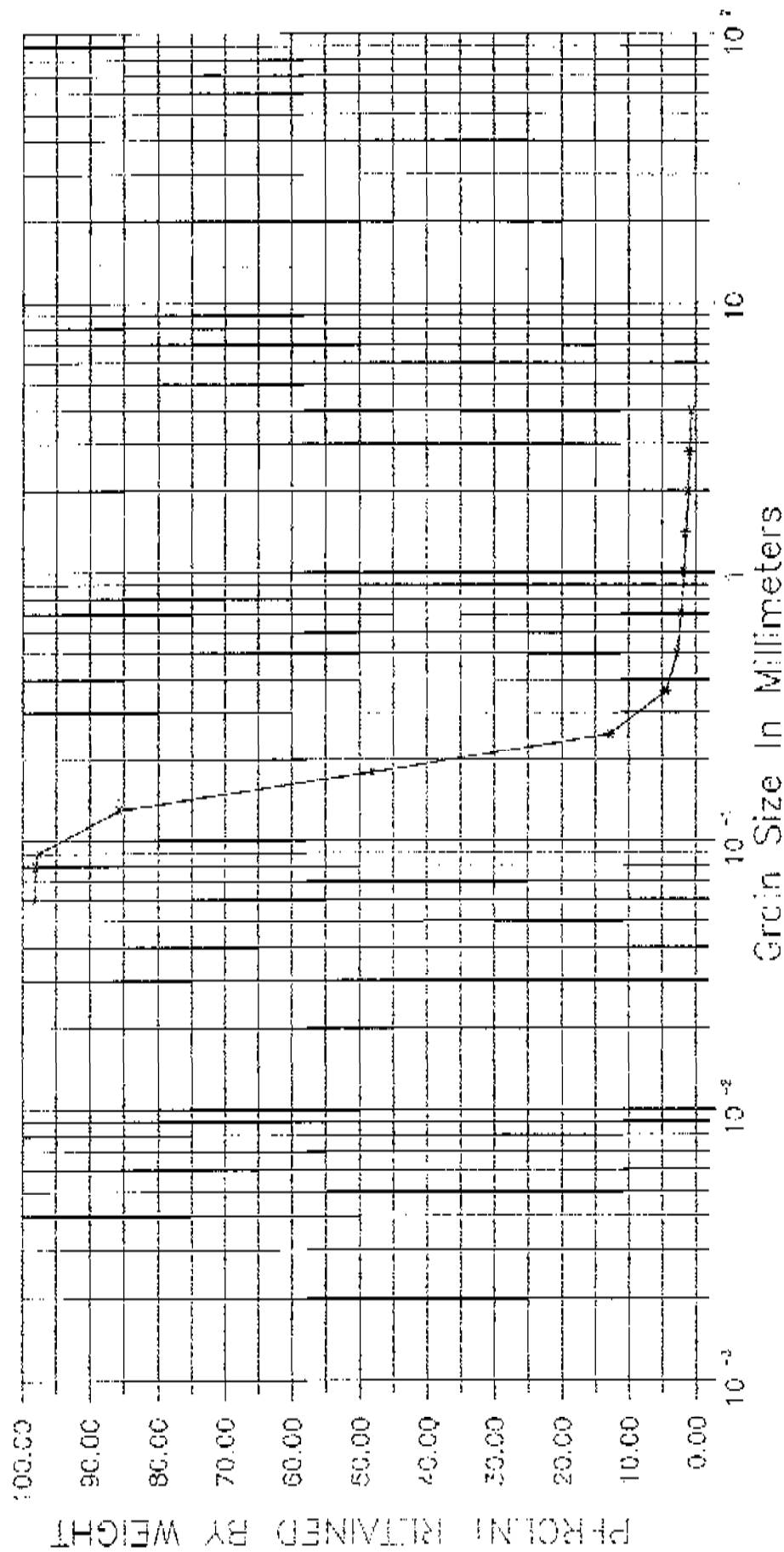
SIEVE LOSS	0.80	0.20	0.72
WEIGHTED AVE(mm)	0.206	0.178	0.188
SILT-CLAY %	1.54	2.48	1.08

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X CURING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES
 ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	10					11						11	
SAMPLE DEPTH (FT)	19.0					3.0						9.0	
U.S.C.S.	SP					SP						SP	
DESCRIPTION													
DRY SAMPLE WT (GRAMS)	235.12					253.25						210.10	
SAMPLE WT AFTER WASH	231.56					259.35						205.48	
SIEVE	PHI	MESH											
SIZE	SIZE	SIZE (mm)	GRAMS	% RET.	% PASS		GRAMS	% RET.	% PASS		GRAMS	% RET.	% PASS
5	-2.00	4	0.50	0.21	99.79	"	0.00	0.03	99.97	"	0.00	0.00	100.00
7	-1.50	2.8	0.88	0.42	99.58	"	0.50	0.19	99.81	"	0.02	0.01	99.99
10	-1.00	2	1.72	0.73	99.27	"	1.15	0.44	99.56	"	0.08	0.04	99.96
14	-0.50	1.4	2.19	0.93	99.07	"	1.77	0.67	99.33	"	0.17	0.08	99.92
18	0.00	1	3.21	1.37	98.63	"	3.62	1.00	99.00	"	0.26	0.12	99.88
25	0.50	0.71	4.26	1.81	98.19	"	3.67	1.88	98.81	"	0.37	0.18	99.82
35	1.00	0.5	6.89	2.93	97.07	"	5.32	2.81	97.79	"	0.80	0.38	99.62
45	1.50	0.355	18.07	7.69	92.31	"	14.92	5.67	94.33	"	2.18	1.04	98.96
60	2.00	0.25	52.03	22.13	77.87	"	57.77	21.94	76.06	"	7.15	3.40	96.60
80	2.50	0.18	144.89	61.62	38.38	"	191.28	72.66	27.34	"	93.89	44.89	55.11
120	3.00	0.125	204.51	86.98	13.02	"	241.60	91.78	8.22	"	168.26	80.08	19.91
170	3.50	0.09	230.52	98.04	1.96	"	258.62	96.24	1.76	"	203.56	96.88	3.11
200	3.75	0.075	231.08	98.28	1.72	"	259.28	96.48	1.52	"	204.92	97.53	2.47
230	4.00	0.063	231.81	98.38	1.62	"	259.29	96.50	1.50	"	205.10	97.62	2.38
PAN			231.38	98.41		"	259.32	96.51		"	205.35	97.74	
SIEVE LOSS	0.18						0.03				0.12		
WEIGHTED AVE(mm)	0.207						0.202				0.151		
SILT-CLAY %	1.64						1.50				2.41		

MECHANICAL ANALYSIS CHART



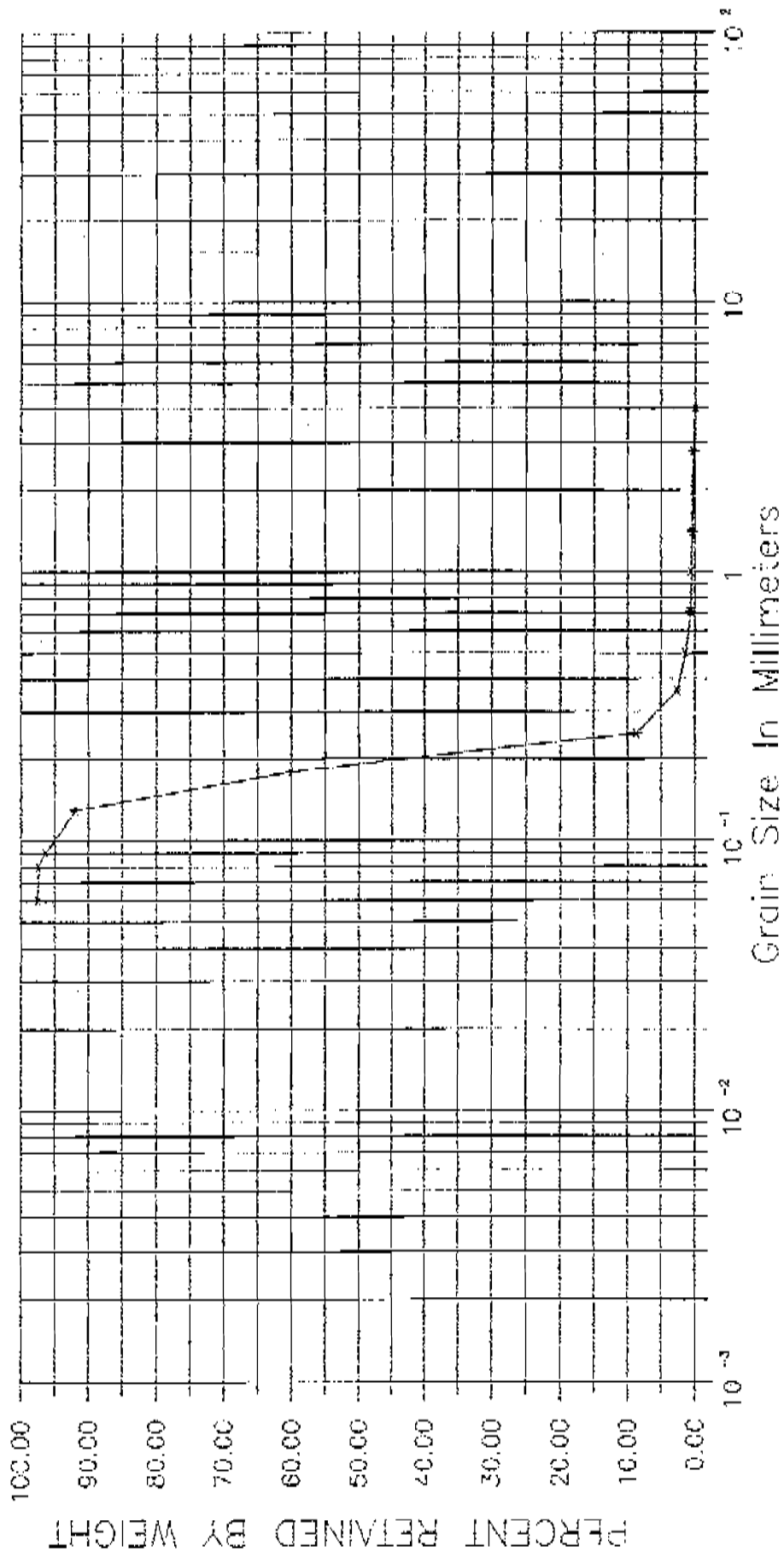
SLT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

ID	MEAN	MEDIAN	SCREENING
1	1.9mm	1.0mm	4.75
2	0.18mm	0.075	0.425
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART

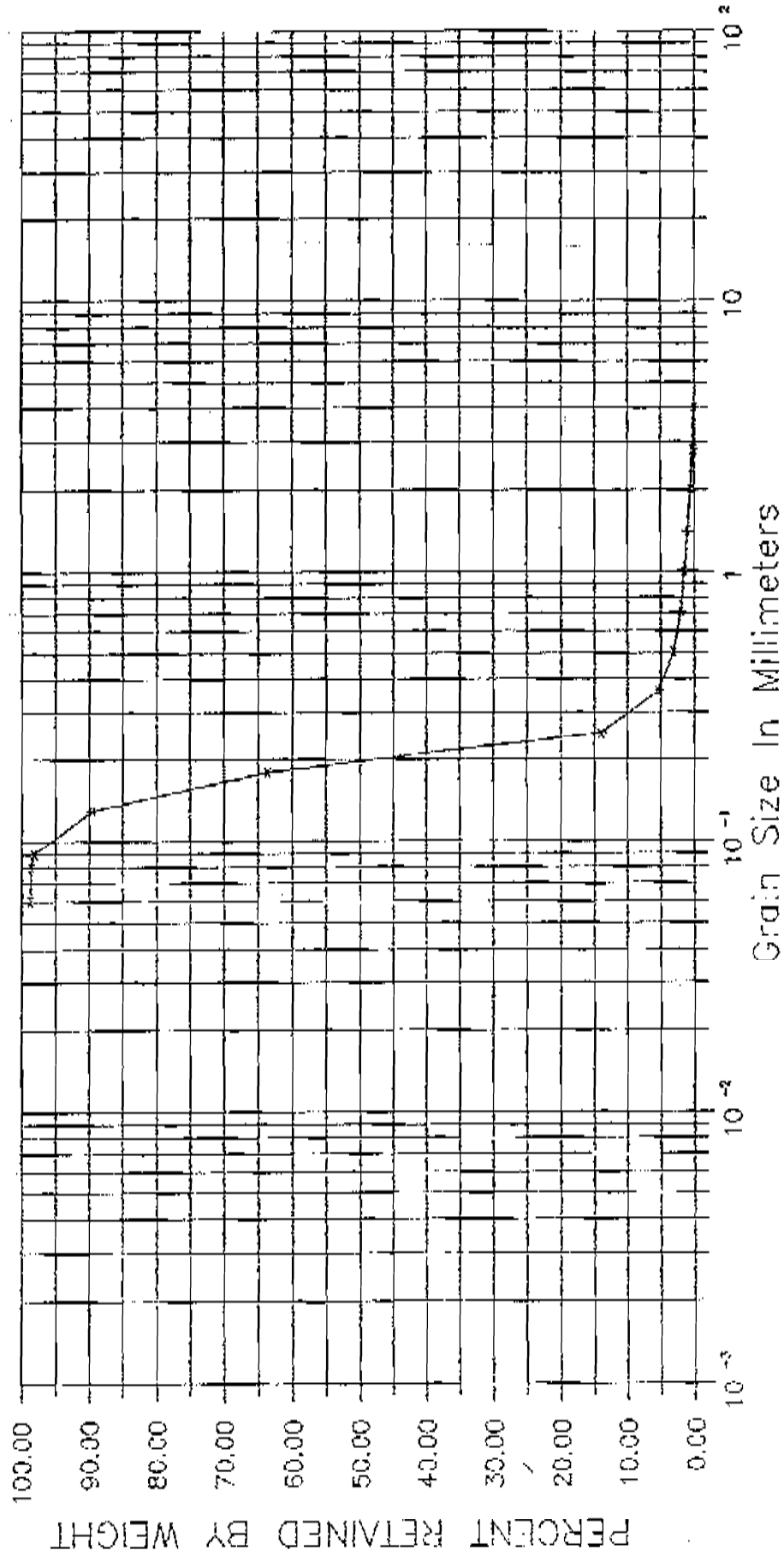


SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

10	WEAN	MEDIAN	SCRTING
8'	1.18mm	0.85mm	0.33
	0.12mm	0.19mm	0.33
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

NO	MEAN	MEDIAN	SORTING
10	0.19 mm	0.25 mm	0.42
10'	0.19 mm	0.25 mm	0.38
GREY POORLY GRADED SAND & SHELL FRAGMENTS-(SP)			

MECHANICAL ANALYSIS CHART

