

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	7	7	7
SAMPLE DEPTH (FT)	2.0	8.0	13.0

U.S.C.S.	SP	SP	SP
DESCRIPTION			

DRY SAMPLE WT (GRAMS)	168.12	286.92	255.05
SAMPLE WT AFTER WASH	185.1	284.76	250.55

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.00	0.00	100.00	0.00	0.00	100.00	0.10	0.04	99.96
7	-1.50	2.0	0.44	0.23	99.77	0.10	0.03	99.97	0.10	0.04	99.96
10	-1.00	2	0.80	0.32	99.68	0.41	0.14	99.86	0.19	0.07	99.93
14	-0.50	1.4	0.70	0.37	99.63	0.61	0.21	99.79	0.53	0.21	99.79
18	0.00	1	0.85	0.50	99.50	1.14	0.40	99.60	0.50	0.23	99.77
25	0.50	0.71	1.40	0.74	99.26	2.01	0.70	99.30	1.40	0.55	99.45
35	1.00	0.5	2.06	1.10	98.90	3.49	1.22	98.78	2.84	1.11	98.89
45	1.50	0.355	4.28	2.20	97.72	6.61	2.30	97.70	6.64	2.60	97.40
60	2.00	0.25	23.71	12.60	87.40	30.20	10.53	89.47	20.22	7.91	92.09
60	2.50	0.18	120.30	68.95	36.05	197.35	86.78	31.22	112.15	43.89	56.11
120	3.00	0.125	167.78	88.19	10.81	256.15	88.97	10.03	213.70	83.82	16.38
170	3.50	0.09	184.58	90.12	1.88	281.46	96.10	1.90	248.51	97.64	2.36
200	3.75	0.075	185.03	98.86	1.84	282.59	98.40	1.51	250.38	97.98	2.02
230	4.00	0.063	185.08	98.87	1.63	283.00	98.83	1.37	250.51	98.03	1.97
PAN			185.08	98.89		283.17	98.89		250.53	98.04	

SIEVE LOSS	0.01	1.59	0.02
WEIGHTED AVE(mm)	0.180	0.176	0.160
SILT-CLAY %	1.64	0.95	2.02

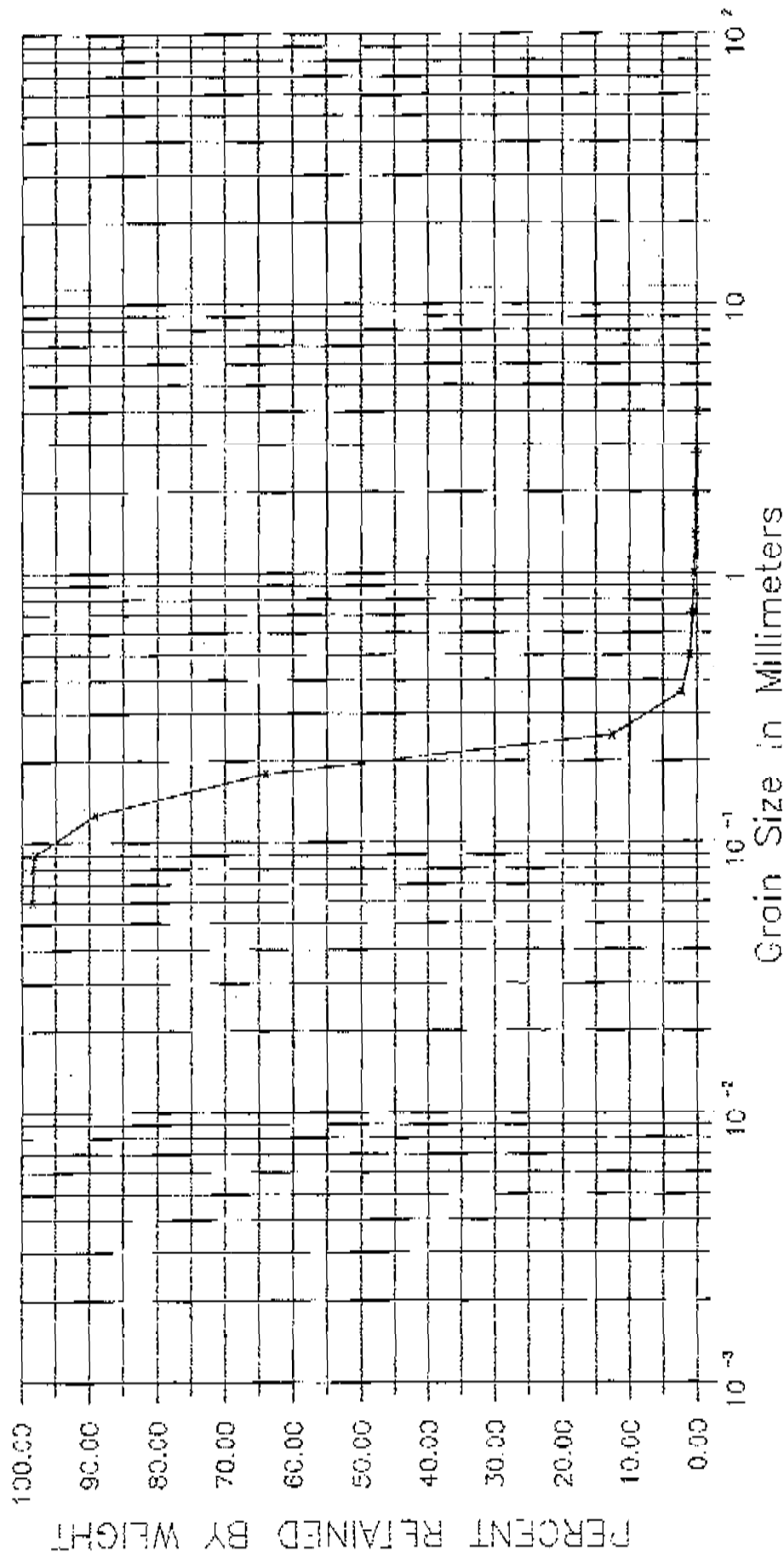
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PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	7	8	8									
SAMPLE DEPTH (FT)	19.0	2.0	8.0									
U.S.C.S.	SP					SP					SP	
DESCRIPTION												
DRY SAMPLE WT (GRAMS)	262.93					181.71					180.62	
SAMPLE WT AFTER WASH	257.52					176.95					177.34	
SIEVE SIZE	PHI	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	
5	-2.00	4	6.91	2.63	97.37	0.00	0.00	100.00	0.42	0.23	99.77	
7	-1.50	2.8	7.96	3.02	96.98	0.10	0.06	99.94	0.51	0.28	99.72	
10	-1.00	2	8.64	3.28	96.71	0.18	0.10	99.80	0.64	0.35	99.65	
14	-0.50	1.4	10.88	4.14	95.86	0.30	0.17	99.83	1.07	0.59	99.41	
18	0.00	1	14.50	5.51	94.49	0.58	0.32	99.68	1.30	0.77	99.23	
25	0.50	0.71	21.00	7.99	92.01	0.81	0.45	99.55	2.02	1.12	98.88	
35	1.00	0.5	33.52	12.75	87.25	1.72	0.95	99.05	4.39	2.43	97.57	
45	1.50	0.355	62.38	23.72	76.28	15.67	8.62	91.38	16.80	9.30	90.70	
60	2.00	0.25	104.65	39.88	60.12	38.61	21.25	78.75	47.47	26.28	73.72	
80	2.50	0.18	180.16	68.52	31.48	115.00	63.29	36.71	115.01	63.68	36.32	
120	3.00	0.125	225.00	85.95	14.05	166.37	91.56	8.44	167.88	92.95	7.05	
170	3.50	0.09	255.55	97.19	2.81	175.92	96.81	3.19	176.04	97.48	2.54	
200	3.75	0.075	256.61	97.60	2.40	176.34	97.04	2.98	176.41	97.67	2.33	
230	4.00	0.063	256.91	97.71	2.29	176.40	97.08	2.82	176.47	97.70	2.30	
FAN			257.22	97.83		176.40	97.08		176.50	97.72		
SIEVE LOSS	0.30					0.55					0.84	
WEIGHTED AVE(mm)	0.360					0.190					0.206	
SILT-CLAY %	2.28					2.65					1.87	

MECHANICAL ANALYSIS CHART



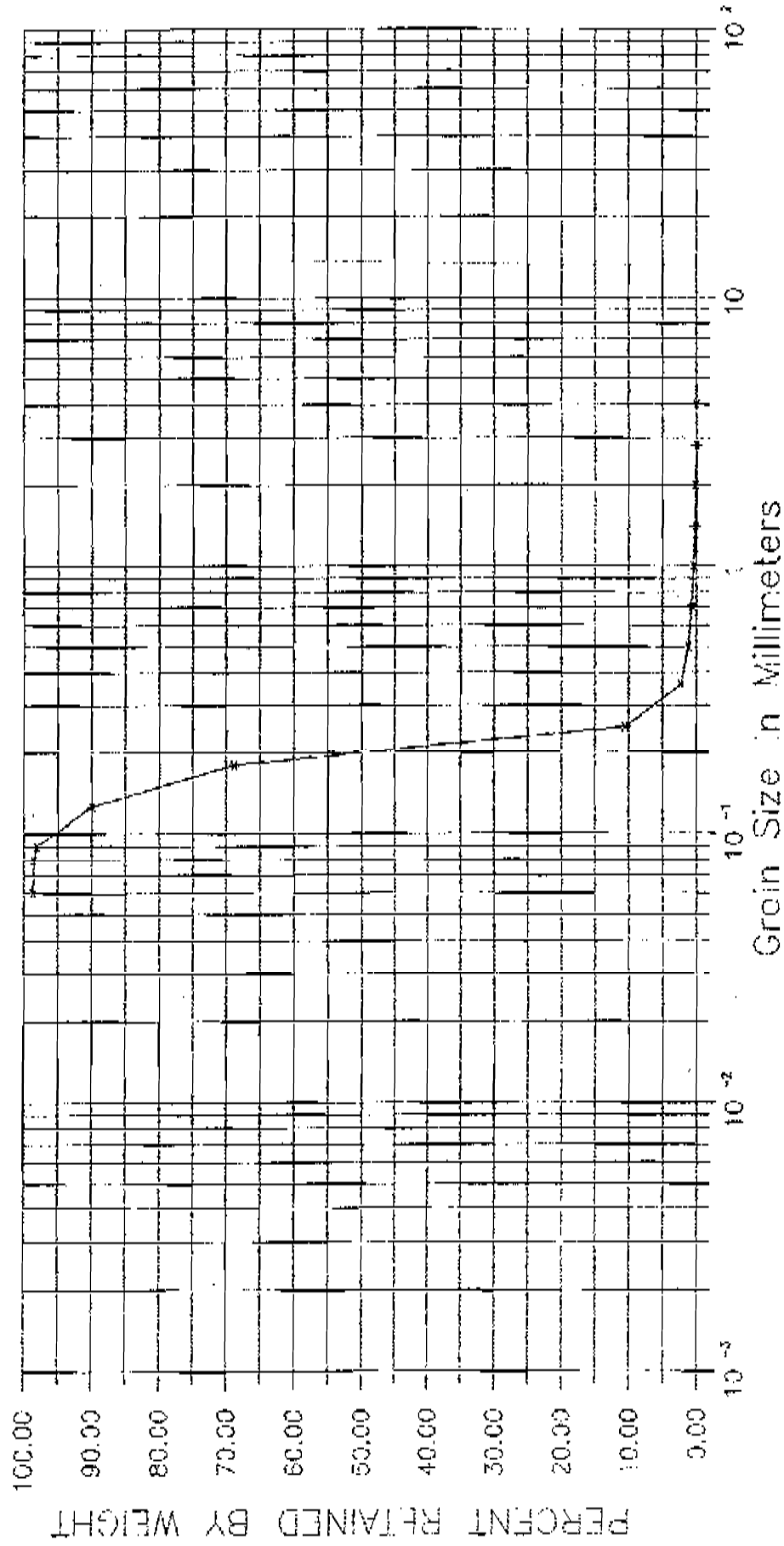
SILT OR CLAY		FINE		SAND		COARSE		FINE		GRAVEL		COARSE	
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CLASSIFICATION

SAMPLE NO.

7	MEAN	MEDIAN	SORTING
2	0.19mm	0.30mm	0.42
	0.19mm	0.30mm	0.39
	GREY POORLY GRADED SAND & SCATTERED SHELL - (SP)		

MECHANICAL ANALYSIS CHART

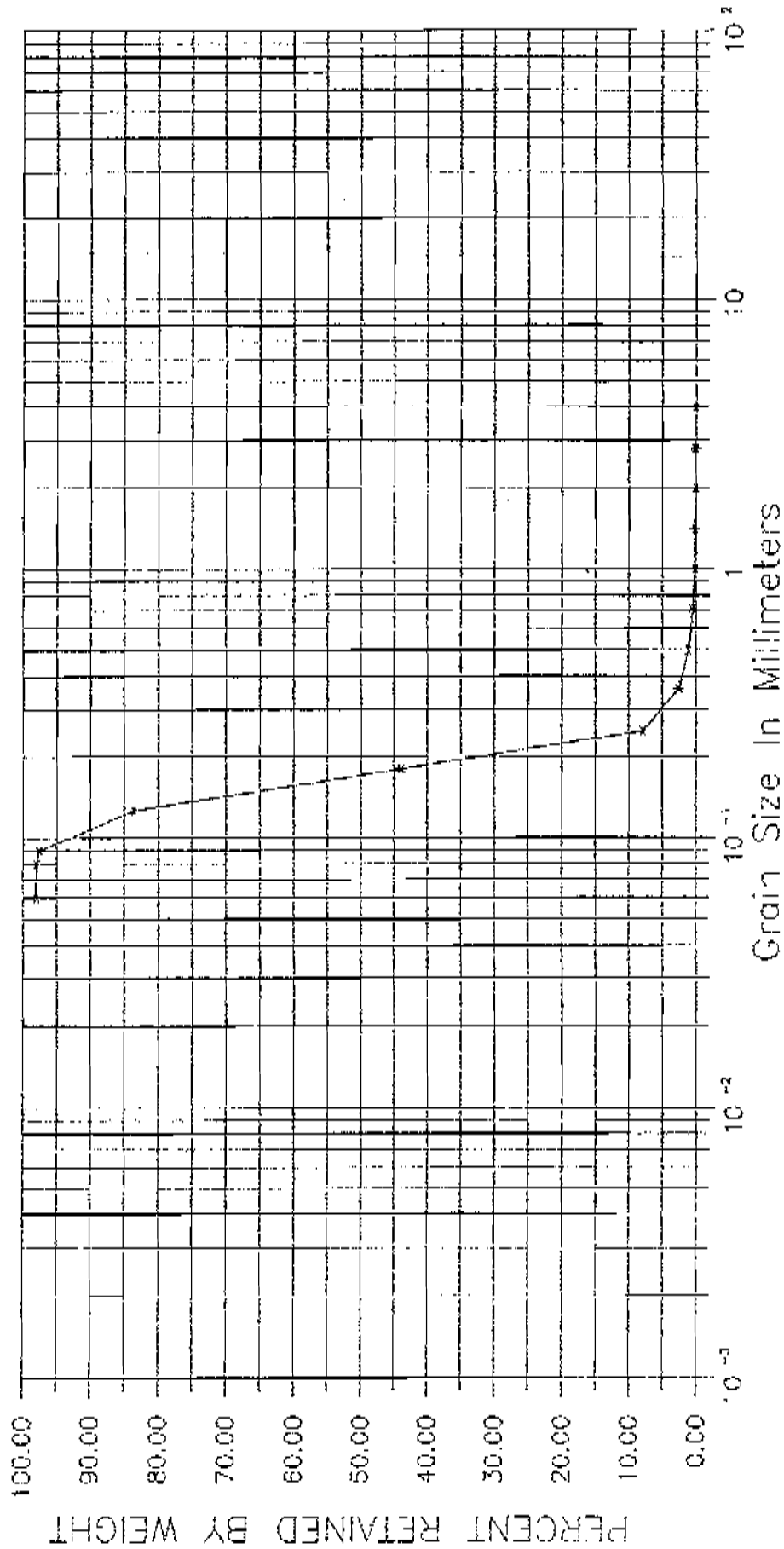


SLT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE		FINE	COARSE

SAMPLE NO. CLASSIFICATION

7	MEAN	MEDIAN	SORTING
8'	0.19 mm	0.31 mm	3.7
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART

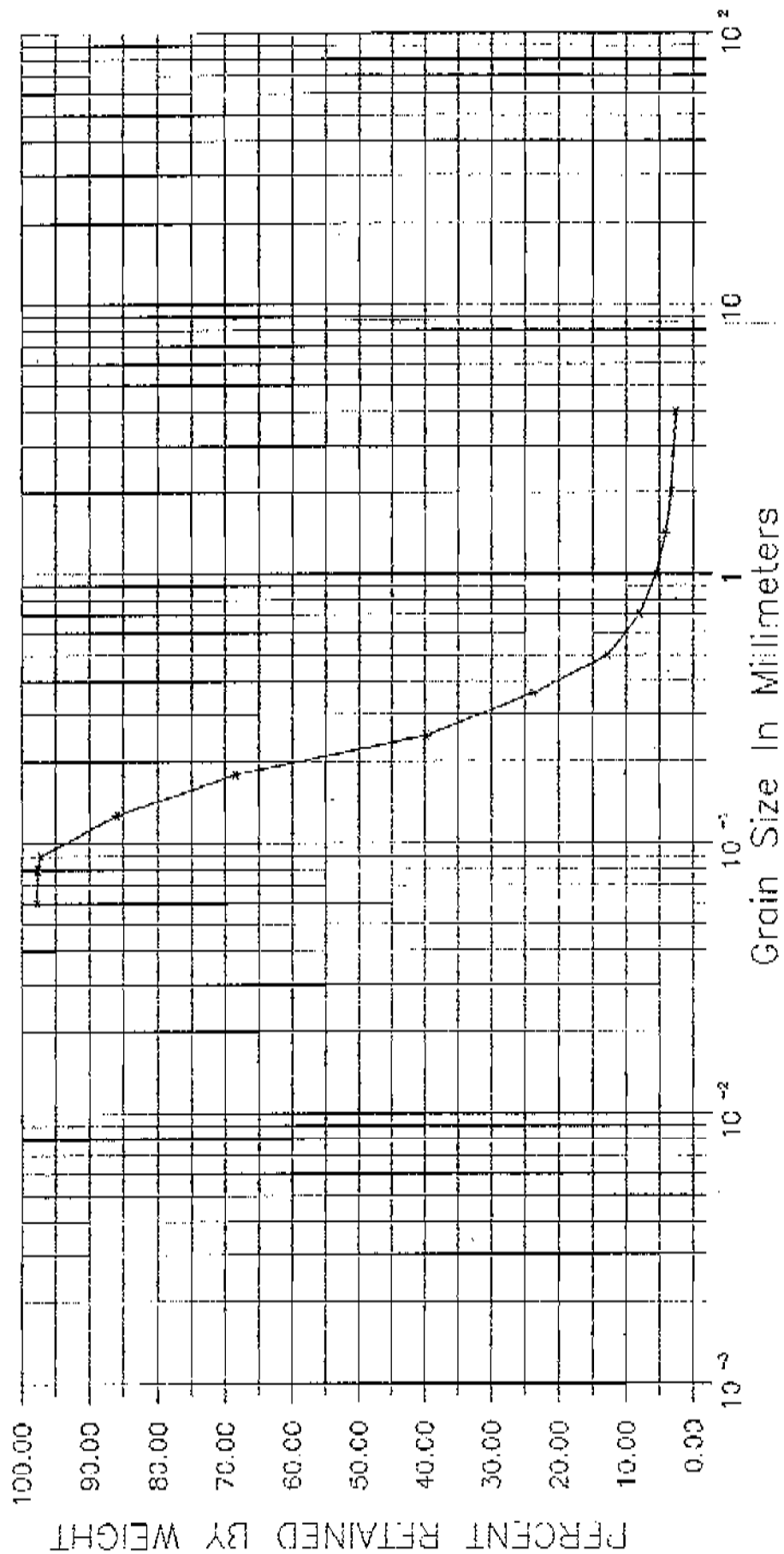


SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

7	WEAN	MEDIAN	SORTING
13'	0.17mm	0.425mm	4.75
	0.17mm	0.18mm	0.35
	GREY POORLY GRADED SAND-(SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY		SAND		GRAVEL	
FINE	MEDIUM	OCARSE	FINE	COARSE	

SAMPLE NO. CLASSIFICATION

7	MEAN	MEDIAN	SORTING
19'	0.24 mm	0.22 mm	0.83
	BROWN POORLY GRADED SAND & SHELL FRAGMENTS - (SP)		