

GRADATION ANALYSIS REPORT
PALM BEACH VITRACORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	2	2	3
SAMPLE DEPTH (FT)	14.1	18.7	3

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

DRY SAMPLE WT (GRAMS)	181.22	185.32	225.43
SAMPLE WT AFTER WASH	167.25	162.35	221.36

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.17	0.09	99.91	0.00	0.00	100.00	0.00	0.00	100.00
7	-1.50	2.8	0.70	0.37	99.63	0.23	0.14	99.86	0.03	0.01	99.99
10	-1.00	2	1.25	0.65	99.35	0.53	0.32	99.68	0.20	0.09	99.91
14	-0.50	1.4	2.36	1.23	98.77	1.20	0.73	99.27	0.51	0.23	99.77
18	0.00	1	3.68	1.98	98.02	1.80	1.09	98.91	0.89	0.39	99.61
25	0.50	0.71	5.63	2.94	97.06	2.50	1.57	98.43	1.65	0.73	99.27
35	1.00	0.5	8.63	4.51	95.49	4.26	2.58	97.42	3.65	1.62	98.38
45	1.50	0.355	12.58	6.58	93.42	8.52	5.15	94.85	4.56	2.02	97.98
60	2.00	0.25	25.89	13.54	86.46	18.25	11.04	88.96	32.56	14.44	85.56
80	2.50	0.18	88.25	46.15	53.85	82.06	48.62	50.18	112.65	49.97	50.03
120	3.00	0.125	155.36	81.25	18.75	151.24	81.40	0.52	211.47	93.81	6.19
170	3.50	0.09	186.36	97.46	2.54	159.36	95.39	3.61	219.32	97.29	2.71
200	3.75	0.075	187.00	97.78	2.21	161.23	97.53	2.47	220.65	97.38	2.12
230	4.00	0.063	187.19	97.89	2.11	161.39	97.74	2.26	220.96	98.03	1.97
PAN			187.21	97.90		161.64	97.77		221.09	98.07	

SIEVE LOSS	0.04	0.71	0.27
WEIGHTED AVE (mm)	0.193	0.180	0.170
SILT-CLAY %	2.19	2.04	2.00

GRADATION ANALYSIS REPORT
PALM BEACH VIBRACORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	3	3	3
SAMPLE DEPTH (FT)	6.0	11.0	16.0

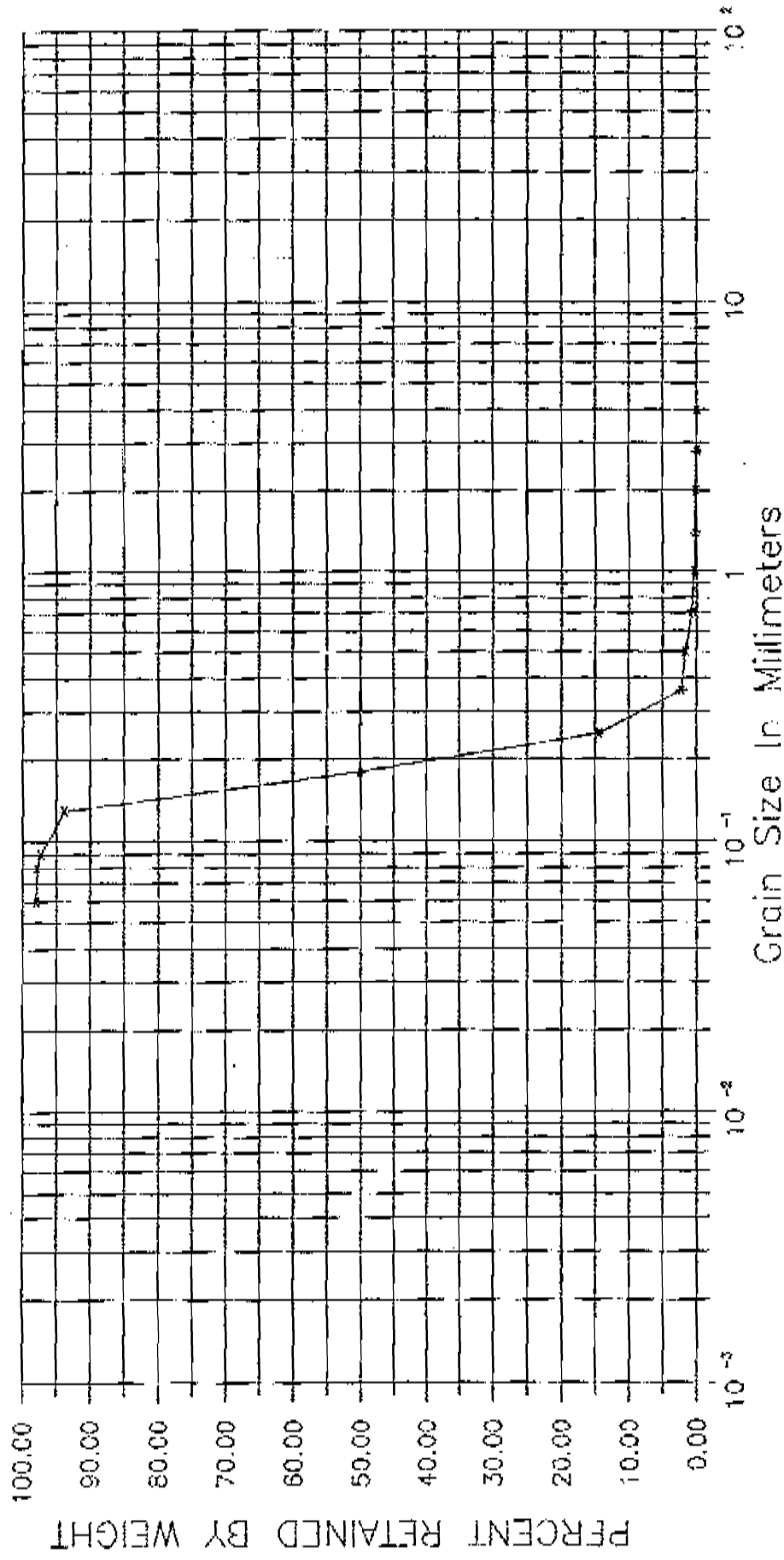
U.S.C.S.	SP	SP	SP
DESCRIPTION			

DRY SAMPLE WT (GRAMS)	396.32	265.90	264.75
SAMPLE WT AFTER WASH	390.54	262.31	279.34

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	0.08	0.03	99.97	0.21	0.07	99.93
7	-1.50	2.8	0.13	0.03	99.97	0.17	0.06	99.94	0.26	0.10	99.90
10	-1.00	2	0.34	0.08	99.91	0.55	0.21	99.79	0.62	0.22	99.78
14	-0.50	1.4	1.02	0.26	99.74	1.21	0.45	99.55	0.96	0.34	99.66
18	0.00	1	2.26	0.57	99.43	4.02	1.51	98.49	1.26	0.44	99.56
25	0.50	0.71	6.33	1.60	98.40	5.02	1.89	98.11	2.01	0.71	99.29
35	1.00	0.5	12.53	3.16	96.84	8.41	3.16	96.84	4.01	1.41	98.59
45	1.50	0.355	40.21	10.15	89.85	12.55	4.72	95.28	5.69	2.00	98.00
60	2.00	0.25	150.23	37.91	62.09	30.26	11.38	88.62	25.37	8.91	91.09
80	2.50	0.19	257.36	64.84	35.06	129.36	48.64	51.36	118.36	41.57	58.43
120	3.00	0.125	364.75	91.91	8.09	215.34	80.98	19.04	225.34	79.14	20.86
170	3.50	0.09	387.21	97.70	2.30	259.38	97.51	2.49	277.36	97.40	2.60
200	3.75	0.075	389.38	98.24	1.76	261.24	98.22	1.78	278.32	97.74	2.26
230	4.00	0.063	389.56	98.29	1.71	261.58	98.35	1.65	279.14	98.03	1.97
PAN			389.68	98.33		261.72	98.40		279.18	98.04	

SIEVE LOSS	0.85	0.59	0.16
WEIGHTED AVE(mm)	0.208	0.176	0.159
SILT-CLAY %	1.54	1.56	2.20

MECHANICAL ANALYSIS CHART



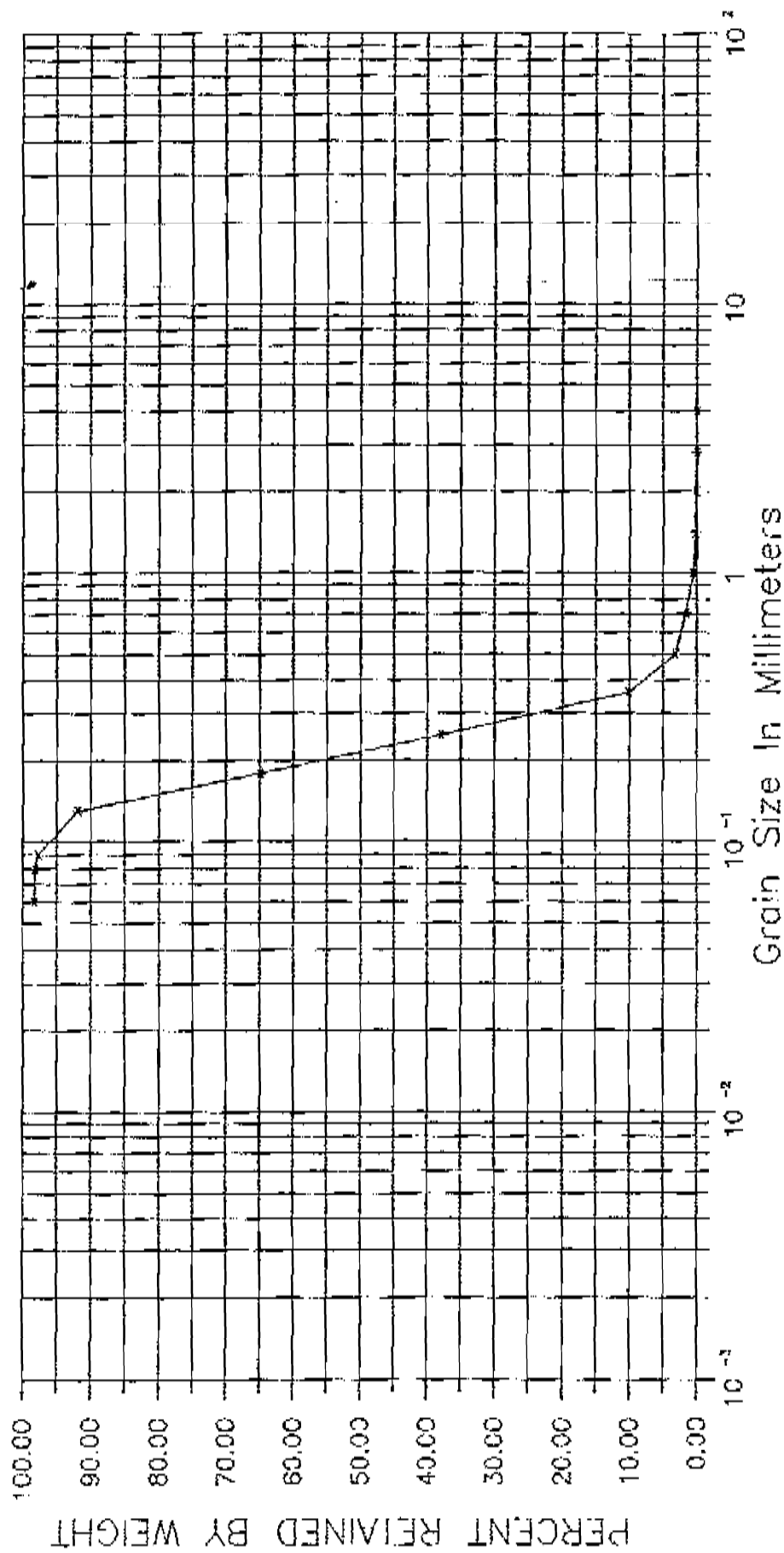
SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

3	MEAN	MEDIAN	SORTING
31	0.075	0.075	37
	0.075	0.075	44
GREY POORLY GRADED SAND - (SP)			

MECHANICAL ANALYSIS CHART

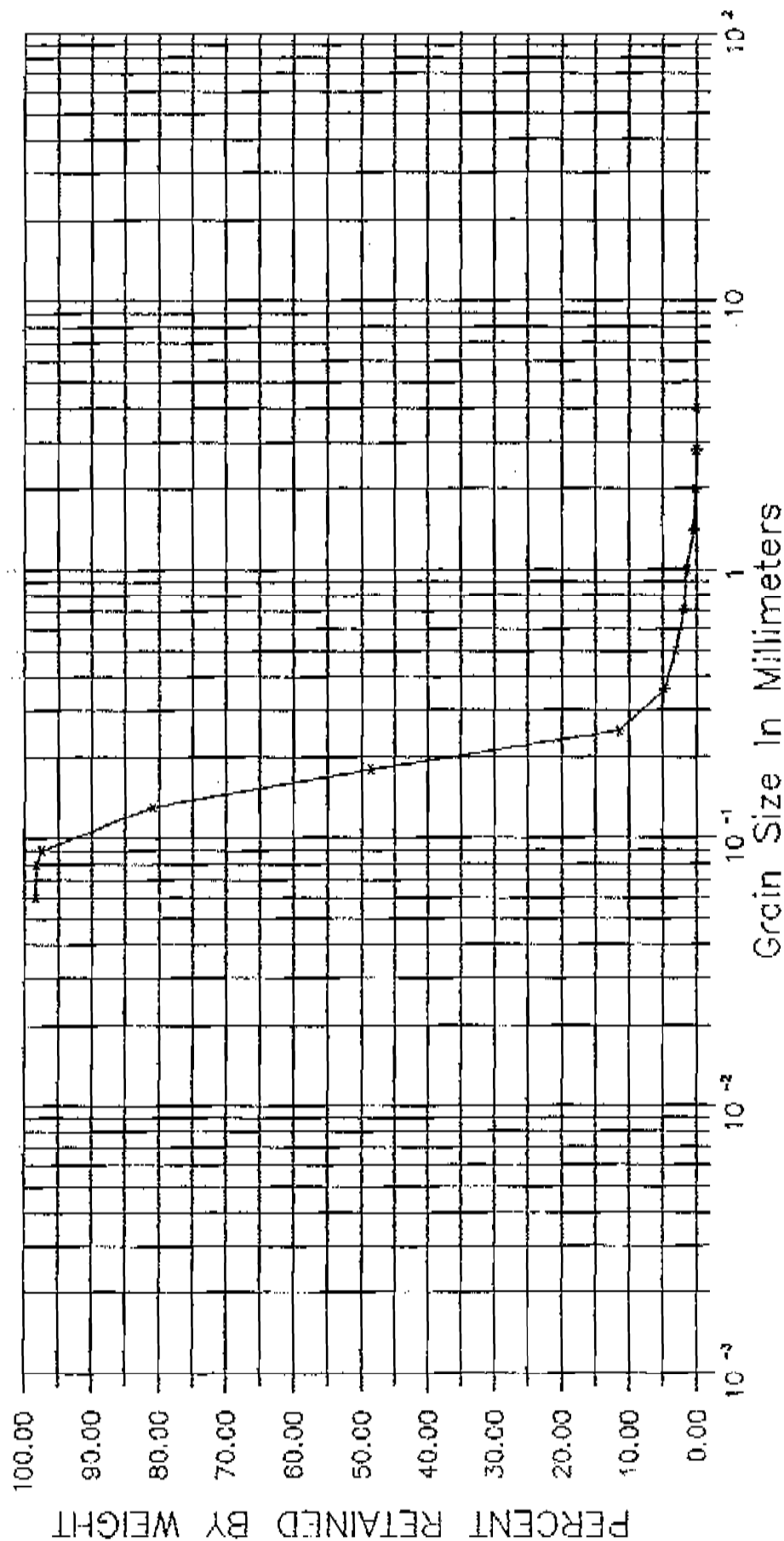


SILT OR CLAY		FINE		SAND		GRAVEL	

CLASSIFICATION

SAMPLE NO.	MEAN	MEDIAN	SORTING
3	2.2mm	2.2mm	5.7
6	.21	.21	.60
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



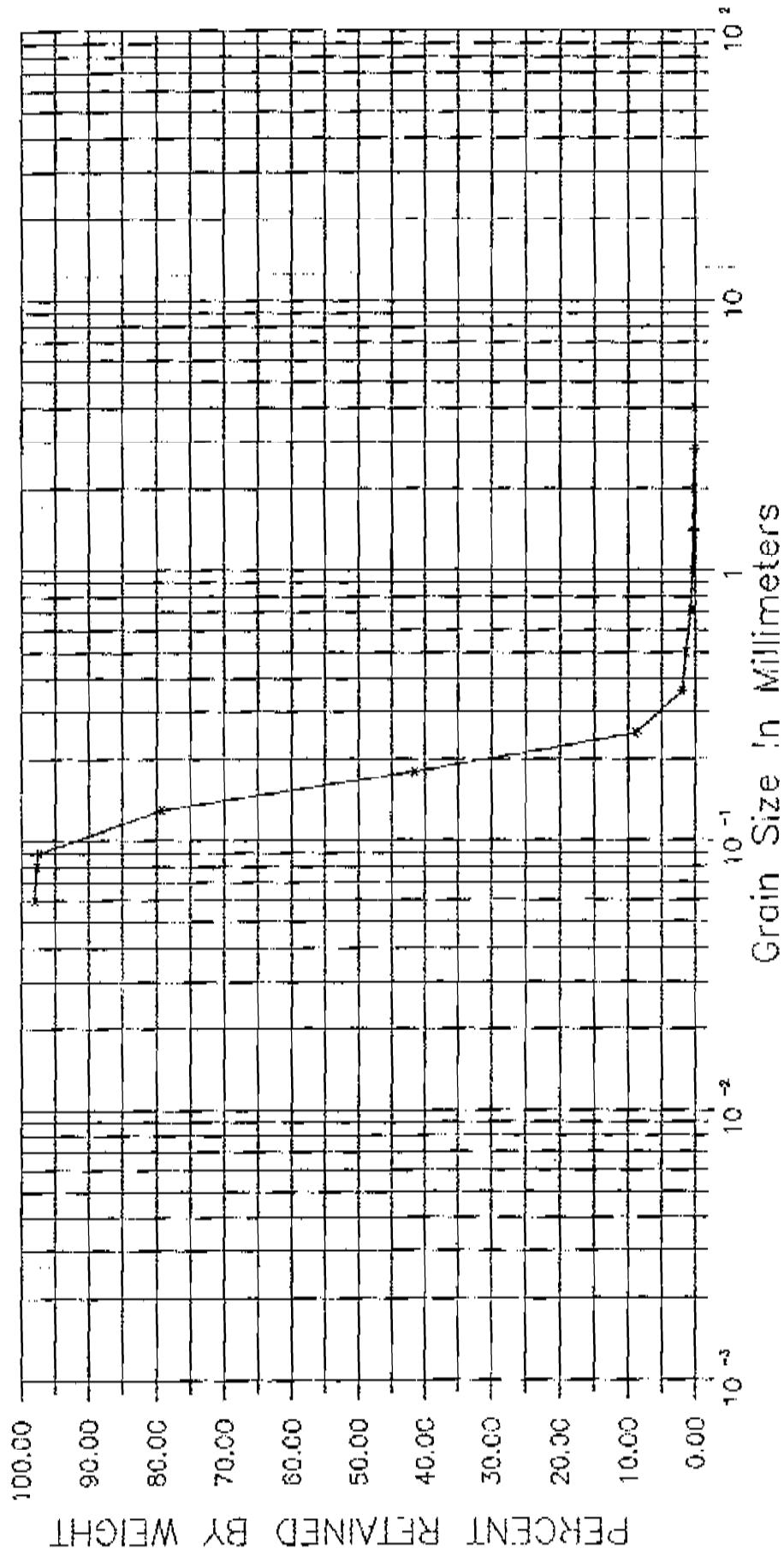
SILT OR CLAY	SAND		GRAVEL	
	FINE	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

3	MEAN	MEDIAN	SORTING
11	.18	.41	.41
	.18	.41	.41
	BROWN POORLY GRADED SAND (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

3	MEAN	MEDIAN	SORTING
16.1	0.17	0.17	0.44
	0.17	0.17	0.44
	GREY POORLY GRADED SAND-(SP)		