

GRADATION ANALYSIS REPORT
PALM BEACH VIERACORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	1	1	1
SAMPLE DEPTH (FT)	.7	3.5	11.6

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

DRY SAMPLE WT (GRAMS)	345.28	330.58	235.58
SAMPLE WT AFTER WASH	341.21	327.03	230.71

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.01	0.00	100.00	1.00	0.30	99.70	0.41	0.17	99.83
7	-1.50	2.8	0.62	0.18	99.82	1.81	0.55	99.45	0.45	0.19	99.81
10	-1.00	2	1.73	0.50	99.50	2.57	0.78	99.22	0.82	0.35	99.65
14	-0.50	1.4	2.87	0.85	99.14	4.41	1.33	98.67	1.18	0.50	99.50
18	0.00	1	6.11	1.77	98.23	5.69	1.72	98.28	1.60	0.76	99.24
25	0.50	0.71	9.16	2.65	97.35	8.65	2.62	97.38	1.98	0.84	99.16
30	1.00	0.5	18.84	5.48	94.54	18.71	5.05	94.95	3.56	1.51	98.49
45	1.50	0.355	31.92	9.25	90.75	45.36	13.72	86.28	8.65	3.67	96.33
60	2.00	0.25	53.47	16.84	83.06	107.13	56.60	43.40	40.98	17.40	82.60
80	2.50	0.18	162.23	46.99	53.01	268.32	81.16	18.84	145.36	61.70	38.30
120	3.00	0.125	312.21	90.43	9.57	324.58	98.18	1.82	207.62	88.13	11.87
170	3.50	0.09	358.56	90.06	1.94	326.20	98.67	1.33	228.65	97.06	2.94
200	3.75	0.075	339.27	98.27	1.73	326.89	98.82	1.18	229.59	97.46	2.54
230	4.00	0.063	339.98	98.47	1.53	326.95	98.90	1.10	229.71	97.51	2.49
PAN			340.81	98.74		326.99	98.91		229.78	97.54	

SIEVE LOSS	0.30	0.04	0.93
WEIGHTED AVE(mm)	0.187	0.251	0.187
SILT-CLAY %	1.65	1.17	2.15

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PALM BEACH VIBRACORE SAMPLES DECEMBER 1987

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

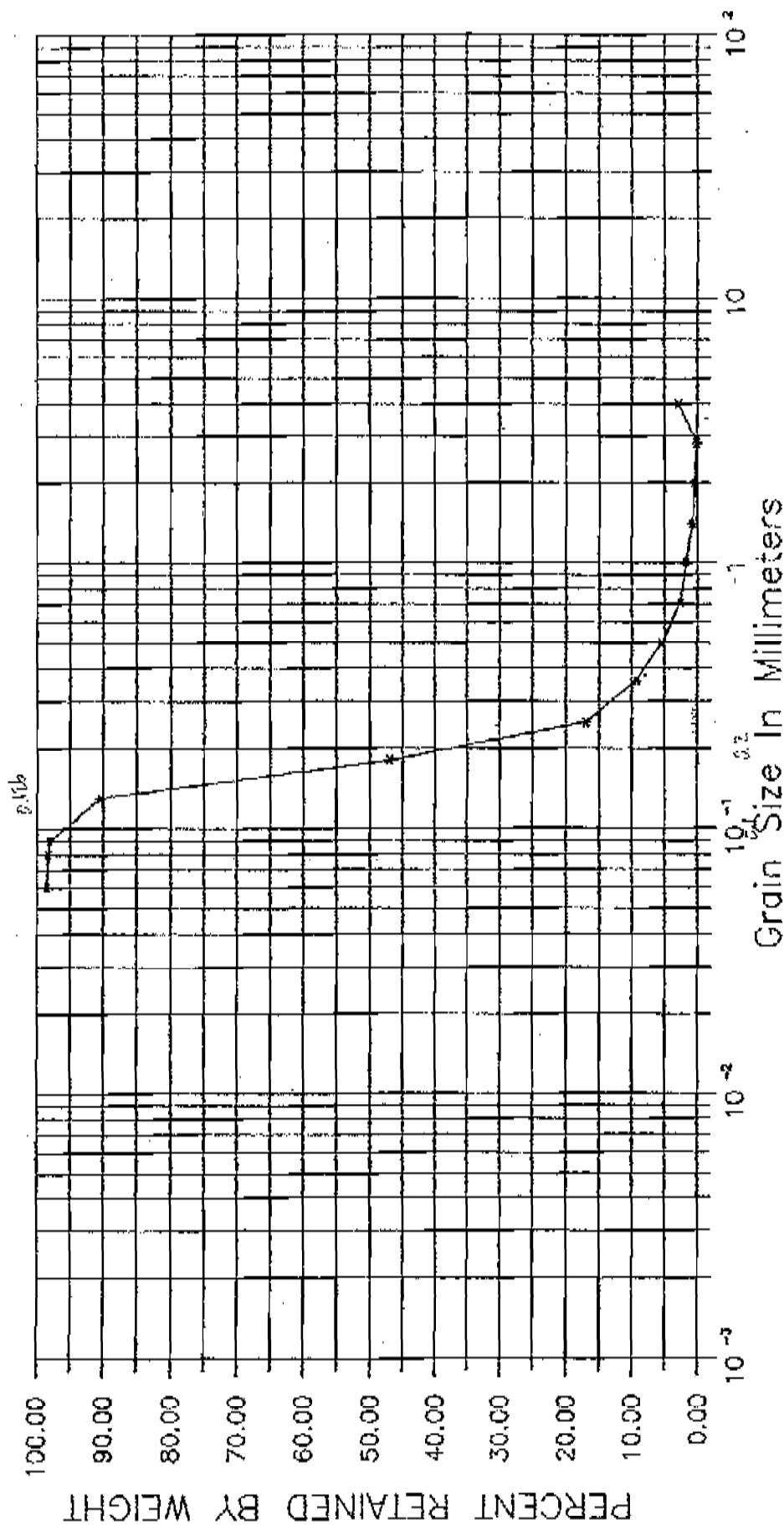
ENVIRONMENTAL STATION NATURAL SOIL

FILL SAMPLES

PIT SAMPLES

CORE NO.	1	2	2								
SAMPLE DEPTH (FT)	17.7	1.7	5.8								
U.S.C.S.	SP	SP	SP								
DESCRIPTION											
DRY SAMPLE WT (GRAMS)	395.45	233.55	198.56								
SAMPLE WT AFTER WASH	390.98	230.56	194.38								
SIEVE SIZE	PHI	MMSE									
	SIZE	SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.05	0.01	99.99	1.27	0.54	89.40	0.00	0.00	100.00
7	-1.50	2.5	0.13	0.03	99.87	2.36	1.01	98.99	0.12	0.06	99.84
10	-1.00	2	0.59	0.15	99.65	2.96	1.27	98.73	0.89	0.45	99.55
14	-0.50	1.4	1.07	0.27	99.73	6.82	2.71	97.29	1.65	0.83	99.17
18	0.00	1	2.56	0.65	99.35	9.63	4.12	95.88	2.03	1.02	98.98
25	0.50	0.71	6.85	1.61	98.39	13.58	5.81	94.19	2.95	1.49	98.51
35	1.00	0.5	14.25	3.60	96.40	19.68	8.40	91.60	6.88	3.48	96.51
45	1.50	0.355	36.25	9.17	90.83	45.86	19.42	80.58	17.45	8.79	91.21
60	2.00	0.25	135.26	34.20	65.80	135.02	57.84	42.08	100.32	50.52	49.48
80	2.50	0.18	250.38	63.31	36.69	187.54	84.58	15.42	151.23	76.16	23.84
120	3.00	0.125	354.38	89.61	10.39	226.36	97.77	2.20	102.53	96.96	3.04
170	3.50	0.09	389.26	98.43	1.57	229.20	98.13	1.87	193.05	97.23	2.77
200	4.75	0.075	380.56	99.77	1.23	229.31	98.16	1.82	194.17	97.79	2.21
230	4.00	0.063	390.89	98.80	1.20	228.56	98.29	1.71	194.20	97.80	2.20
PAN			390.78	98.81		229.58	98.30		194.20	97.80	
SIEVE LOSS			0.25			0.88			0.16		
WEIGHTED AVE (mm)			0.204			0.304			0.231		
SILT-CLAY %			1.17			1.40			2.13		

MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

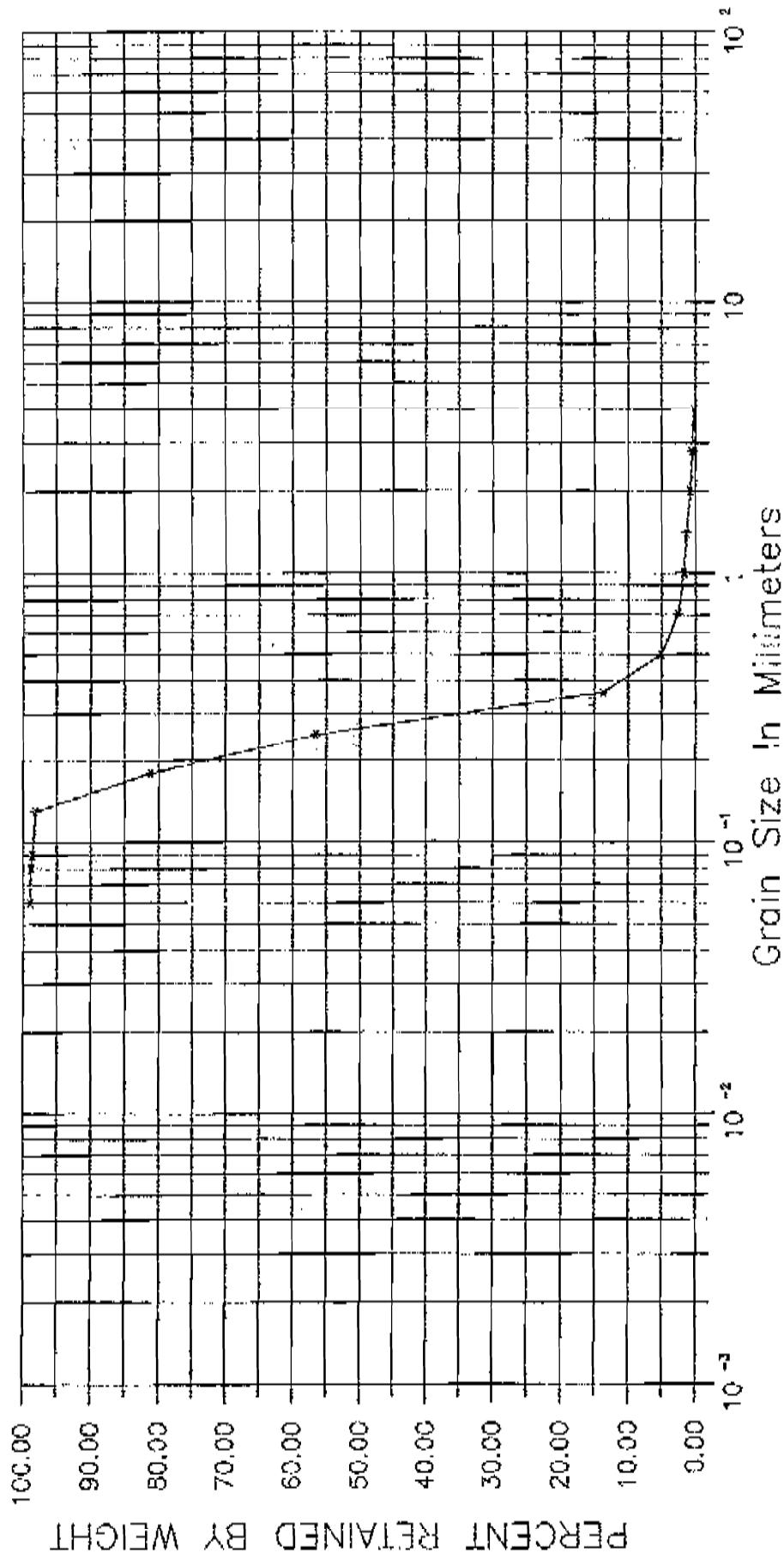
CLASSIFICATION

SAMPLE NO.

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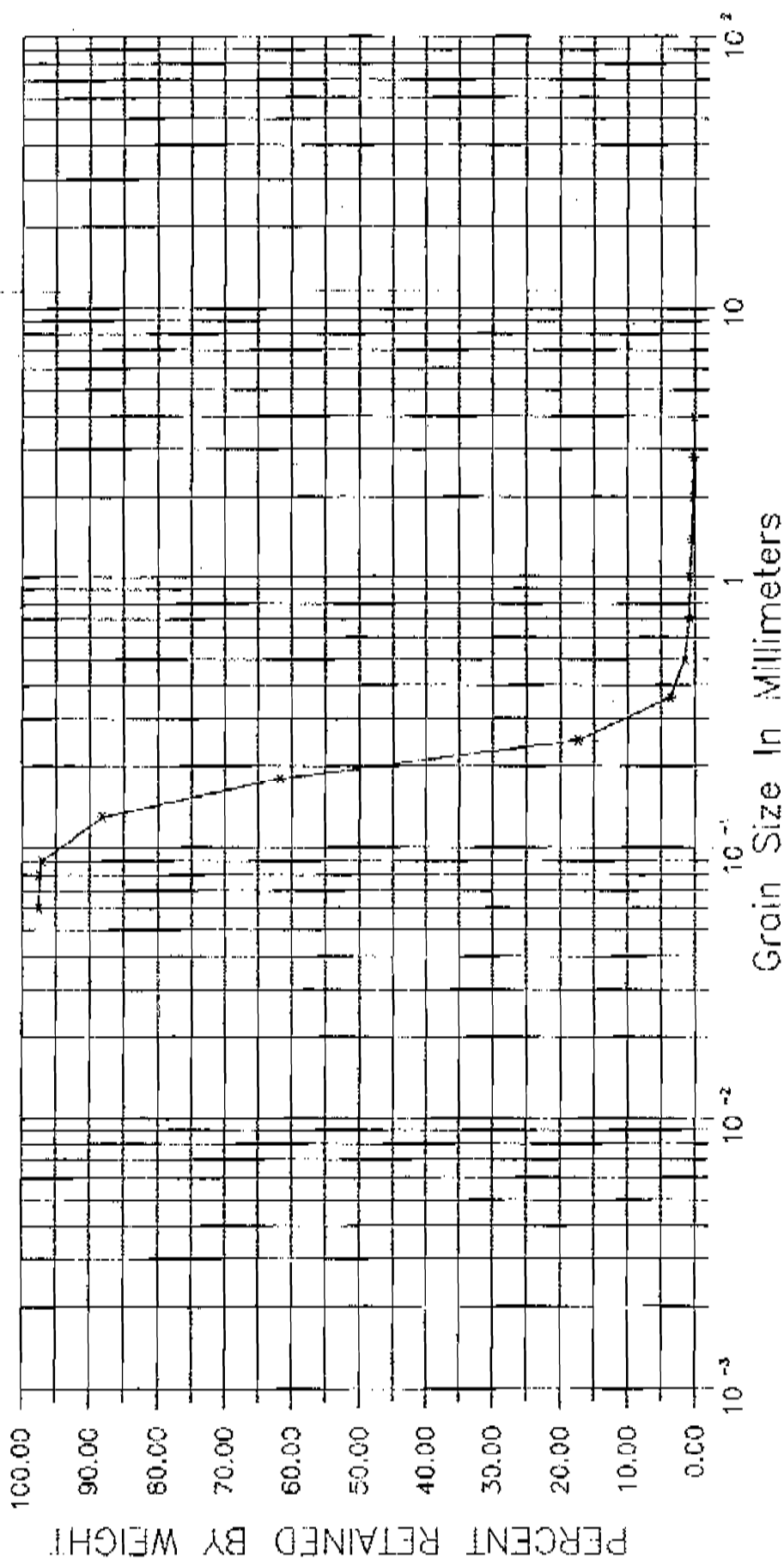
MECHANICAL ANALYSIS CHART



SLT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION	
1	MEAN	MEDIAN	SORTING
351	2.5mm	0.85mm	5.2
	0.25mm	0.075mm	4.0
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



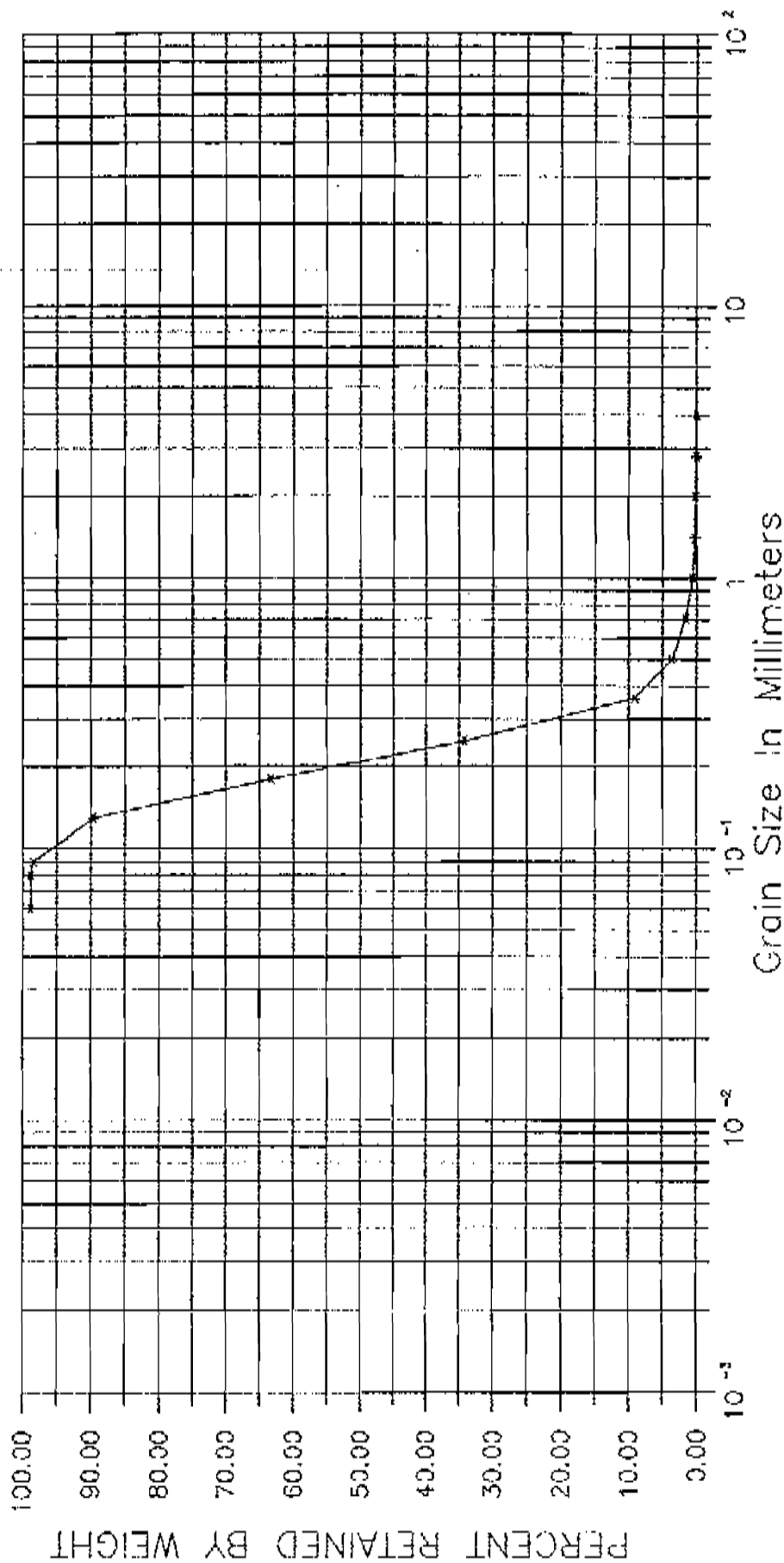
SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

	MEAN	MEDIAN	SORTING
11.6'	0.19 mm	0.25 mm	1.5
	0.19 mm	0.25 mm	1.5
GREY POORLY GRADED SAND - (SP)			

MECHANICAL ANALYSIS CHART



SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

	MEAN	MEDIAN	SORTING
1	0.25 mm	0.425 mm	5.7
17.7	0.25 mm	0.425 mm	5.7
	0.25 mm	0.425 mm	5.7
	GREY POORLY GRADED SAND - (SP)		