

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 FIT SAMPLES

CORE NO.	4	5	5
SAMPLE DEPTH (FT)	19.0	2.0	7
U.S.C.S. DESCRIPTION	SP	SP	SP

DRY SAMPLE WT (GRAMS)	212.98	232.51	231.48
SAMPLE WT AFTER WASH	209.68	229.91	228.92

SIEVE SIZE	PHI SIZE	MESE SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.00	0.00	100.00	1.38	0.60	99.40	0.00	0.00	100.00
7	-1.50	2.8	0.40	0.19	99.81	2.06	0.89	99.11	0.61	0.26	99.74
10	-1.00	2	0.75	0.35	99.65	3.00	1.29	98.71	0.64	0.28	99.72
14	-0.50	1.4	1.00	0.47	99.53	5.31	2.28	97.72	0.97	0.42	99.58
18	0.00	1	1.25	0.59	99.41	6.27	2.70	97.30	1.37	0.59	99.41
25	0.50	0.71	1.80	0.85	99.15	8.63	3.71	96.29	2.15	0.93	99.07
35	1.00	0.5	2.84	1.33	98.67	12.42	5.34	94.66	4.22	1.82	98.18
45	1.50	0.355	9.50	4.46	95.54	20.00	8.60	91.40	12.80	5.53	94.47
60	2.00	0.25	28.17	13.70	86.30	41.89	18.06	81.94	70.00	30.24	69.75
60	2.50	0.18	100.97	47.41	52.59	183.95	57.61	42.39	181.45	69.73	30.25
120	3.00	0.125	189.05	79.37	20.63	199.22	65.68	34.32	211.45	91.85	8.15
170	3.50	0.09	207.16	97.27	2.73	223.41	96.24	3.76	227.80	98.41	1.59
200	3.75	0.075	208.42	97.86	2.14	229.37	98.65	1.35	228.45	99.59	0.41
230	4.00	0.063	208.92	98.09	1.91	229.62	98.76	1.24	228.73	98.81	1.19
PAN			209.49			229.74			228.80		

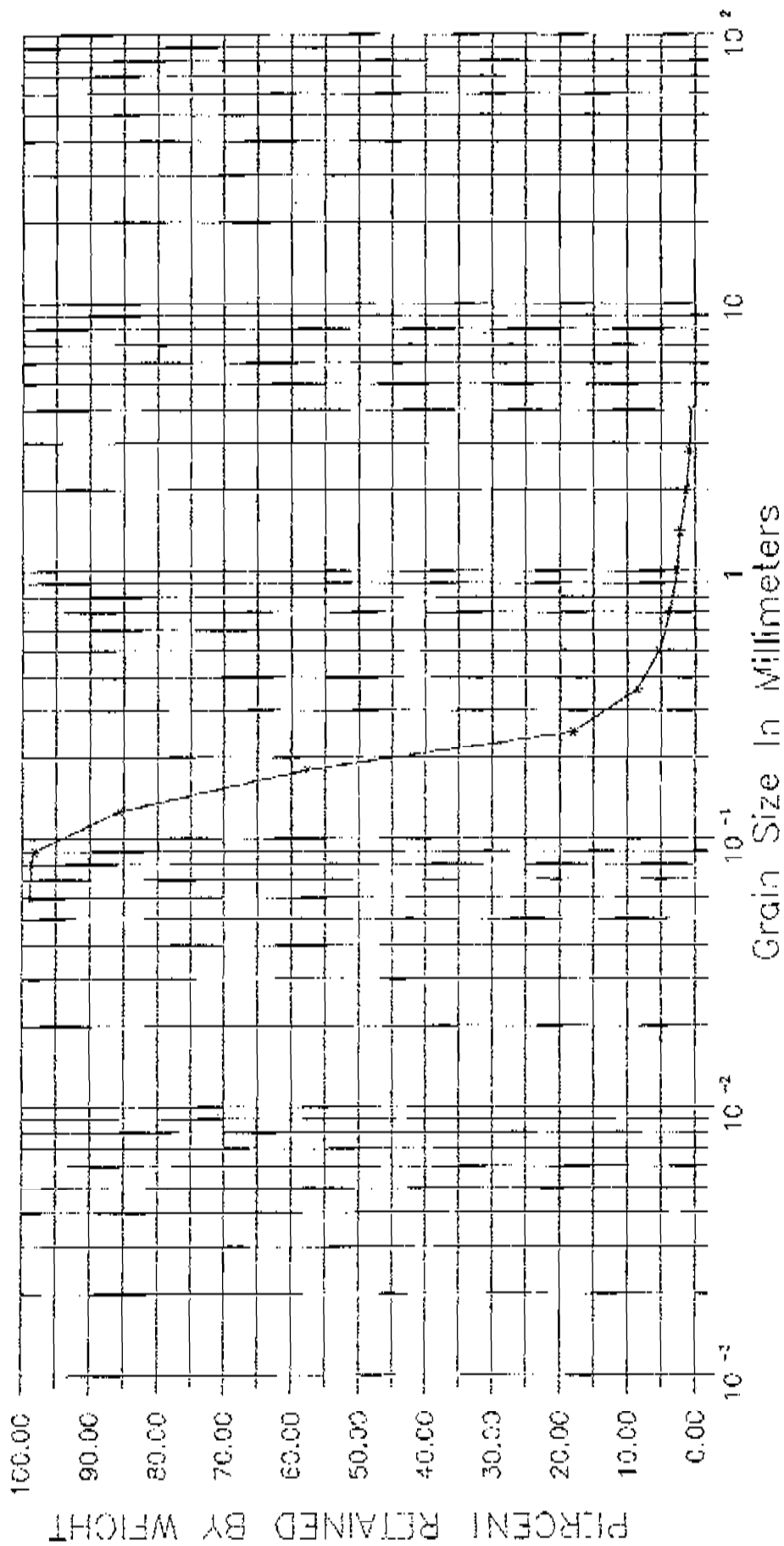
SIEVE LOSS	0.19	0.17	0.12
WEIGHTED AVE(mm)	0.171	0.230	0.201
SILT-CLAY %	2.05	1.28	1.25

GRADATION ANALYSIS REPORT
PALM BEACH VIERADORE SAMPLES DECEMBER 1987

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

CORE NO.	5	5	6								
SAMPLE DEPTH (FT)	14.7	17.7	3.0								
U.S.C.S.	SP	SP	SP								
DESCRIPTION											
DRY SAMPLE WT (GRAMS)	221.69	227.12	237.21								
SAMPLE WT AFTER WASH	216.49	222.32	232.77								
SIEVE SIZE	PHI SIZE	MESE SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	5.07	2.26	97.72	0.00	0.00	100.00	0.01	0.26	99.74
7	-1.50	2.8	6.88	3.08	96.92	0.31	0.14	99.86	1.13	0.48	99.52
10	-1.00	2	9.47	4.27	95.73	0.87	0.38	99.62	1.53	0.84	99.38
14	-0.50	1.4	13.49	6.09	93.81	1.32	0.58	99.42	2.30	1.01	98.99
18	0.00	1	18.15	8.19	91.81	1.95	0.86	99.14	3.35	1.41	98.59
25	0.50	0.71	23.49	10.60	89.40	2.63	1.16	98.84	4.76	2.01	97.99
35	1.00	0.5	29.44	13.28	86.72	4.82	2.12	97.88	7.59	3.20	96.80
45	1.50	0.355	37.75	17.03	82.97	13.49	5.94	94.06	14.81	6.24	93.76
60	2.00	0.25	55.78	25.51	73.49	52.80	23.25	76.75	46.17	19.45	80.54
80	2.50	0.18	125.10	56.88	43.12	137.55	60.56	39.44	139.40	58.77	41.23
120	3.00	0.125	184.45	83.20	16.80	192.48	84.75	15.25	207.33	87.40	12.60
170	3.50	0.09	214.10	96.58	3.42	221.20	97.39	2.61	230.89	97.38	2.62
200	3.75	0.075	216.00	97.43	2.57	222.00	97.75	2.25	231.74	97.69	2.31
250	4.00	0.063	218.31	97.57	2.43	222.12	97.80	2.30	231.80	97.72	2.28
PAN			216.40			222.15			232.00		
SIEVE LOSS			0.09			0.17			0.77		
WEIGHTED AVE(mm)			0.362			0.193			0.204		
SILT-CLAY %			2.53			2.16			1.98		

MECHANICAL ANALYSIS CHART

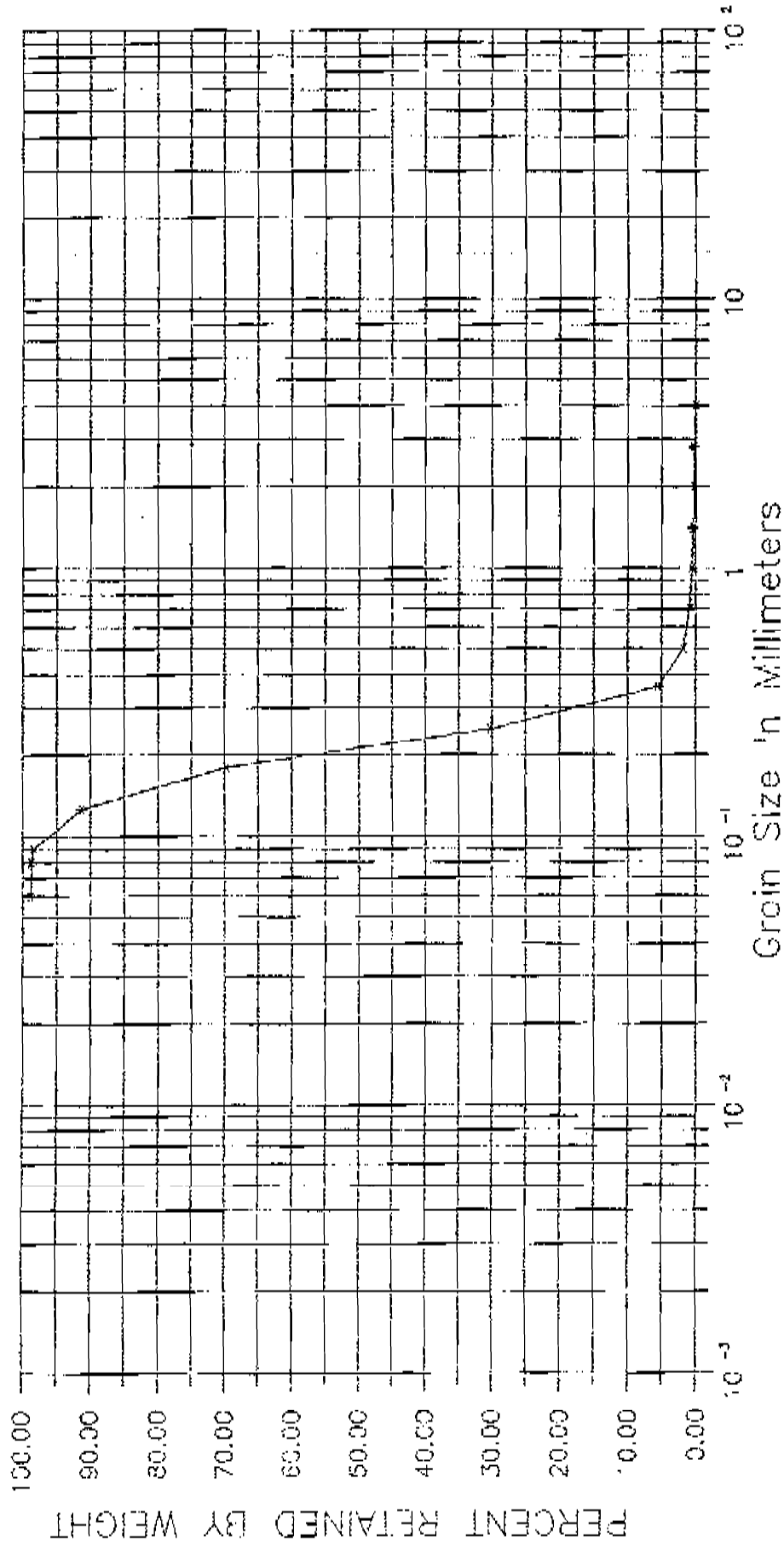


SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

5	MEAN	MEDIAN	SORTING
2	0.075 mm	0.075 mm	55
	0.075 mm	0.075 mm	50
	GREY POORLY GRAINED SAND - (SP)		

MECHANICAL ANALYSIS CHART

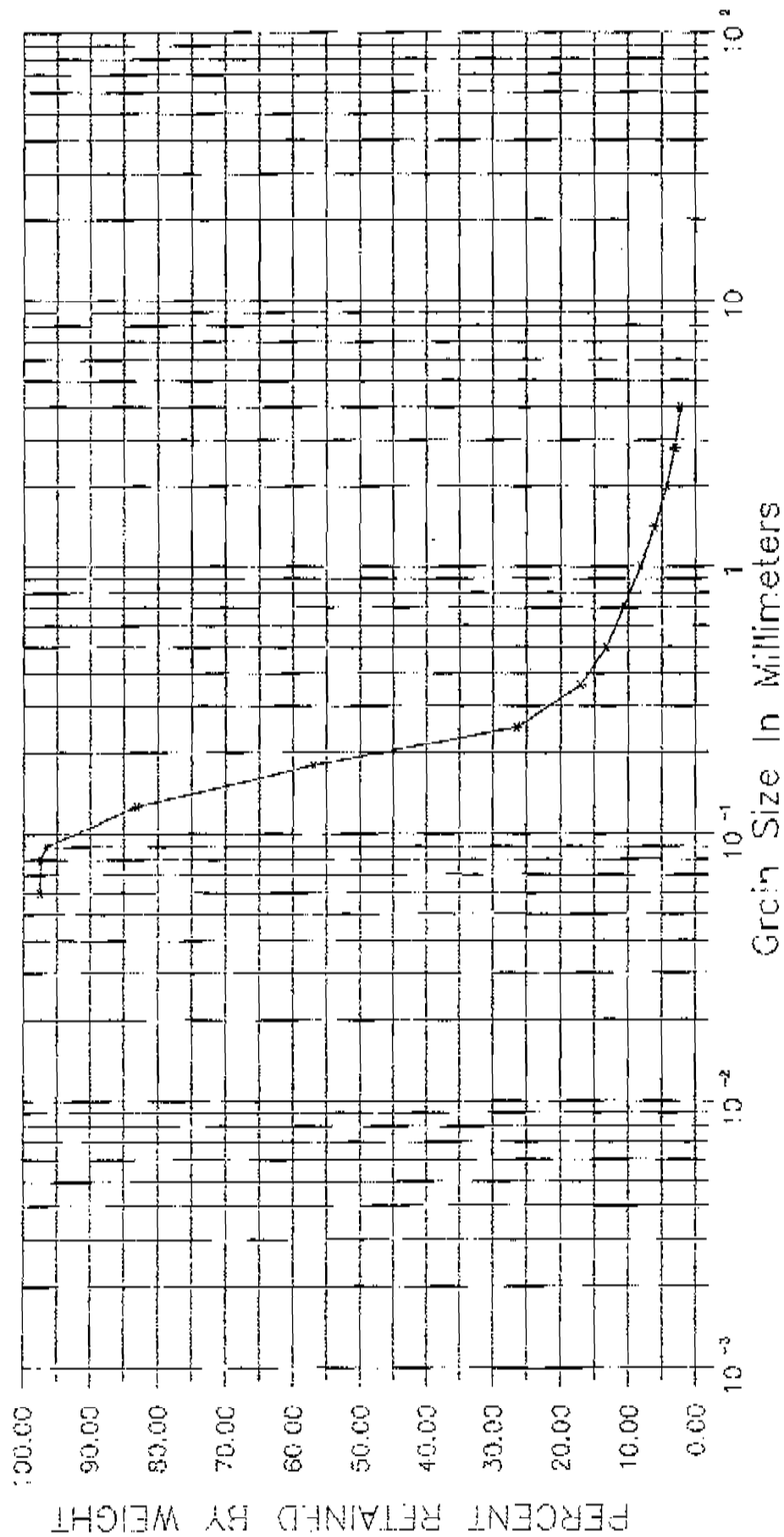


SILT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE	

SAMPLE NO. CLASSIFICATION

S	MEAN	MEDIAN	SORTING
71	0.22 mm	0.21 mm	52
	0.21 mm	0.21 mm	55
	GREY POORLY GRADED SAND (SP)		

MECHANICAL ANALYSIS CHART



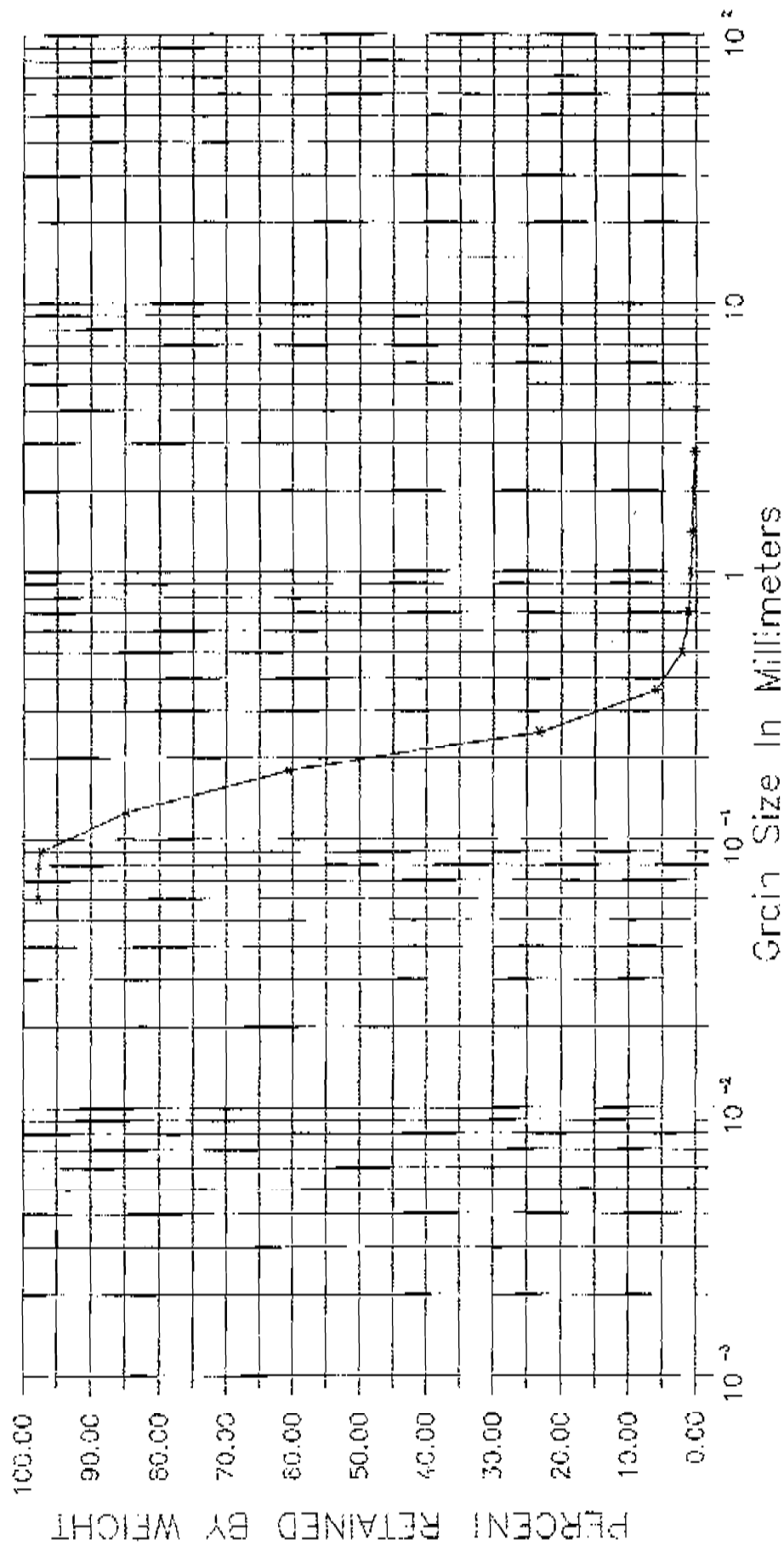
SLT OR CLAY		SAND			GRAVEL	
		FINE	MEDIUM	COARSE	FINE	COARSE

CLASSIFICATION

SAMPLE NO.

S	MEAN	MEDIAN	SORTING
14.7	0.25 mm	0.19 mm	1.0
	0.25 mm	0.20	0.1
	GREY POORLY GRADED SAND & SCATTERED SHELL - (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY	CLASSIFICATION				GRAVEL	
	FINE	SAND	COARSE	FINE	COARSE	

SAMPLE NO.

CLASSIFICATION

S	MEAN	MEDIAN	SORTING
177	20	20	50
	20	20	60
GREY POORLY GRADED SAND & SHELL - (SP)			