

GRADATION ANALYSIS REPORT
PALM BEACH VIERACORN SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	4	4	4								
SAMPLE DEPTH (FT)	1.5	6.2	14.8								
U.S.C.S.	SP-GP	SP	SP								
DESCRIPTION											
DRY SAMPLE WT (GRAMS)	220.62	235.31	231.35								
SAMPLE WT AFTER WASH	214.86	230.33	225.67								
SIEVE SIZE	PHI SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	
5	-2.00	4	10.56	4.79	95.21	0.43	0.18	99.82	2.25	0.87	99.03
7	-1.50	2.8	14.90	6.75	93.25	0.45	0.18	99.81	3.60	1.56	98.44
10	-1.00	2	19.21	8.71	91.29	0.71	0.30	99.70	7.34	3.17	96.83
14	-0.50	1.4	24.35	11.04	88.96	1.06	0.45	98.55	12.00	5.18	94.81
18	0.00	1	29.70	13.46	86.54	1.30	0.55	98.45	19.90	8.64	91.36
25	0.50	0.71	36.26	16.44	83.56	1.87	0.79	98.21	32.80	14.18	85.82
35	1.00	0.5	43.83	19.87	80.13	3.00	1.27	98.73	51.49	22.26	77.74
45	1.50	0.355	53.28	24.14	75.86	6.00	2.54	97.46	71.82	31.04	68.96
60	2.00	0.25	77.42	35.08	64.91	34.41	14.56	85.44	110.81	47.90	52.10
80	2.50	0.18	155.30	70.39	28.61	187.20	58.06	41.94	167.64	72.46	27.54
120	3.00	0.125	197.00	89.29	10.71	209.70	88.74	11.26	204.90	88.57	11.43
170	3.50	0.09	213.61	96.82	3.18	228.07	96.94	3.06	224.95	97.23	2.77
200	3.75	0.075	214.20	97.09	2.81	229.61	97.29	2.71	225.00	97.26	2.74
230	4.00	0.063	214.43	97.19	2.81	230.05	97.35	2.65	225.30	97.42	2.58
PAN			214.50	97.23		230.15	97.36		225.62	97.52	
SIEVE LOSS			0.36			0.16			5.73		
WEIGHTED AVE(mm)			0.592			0.180			0.385		
SILT-CLAY %			2.75			2.63			2.78		

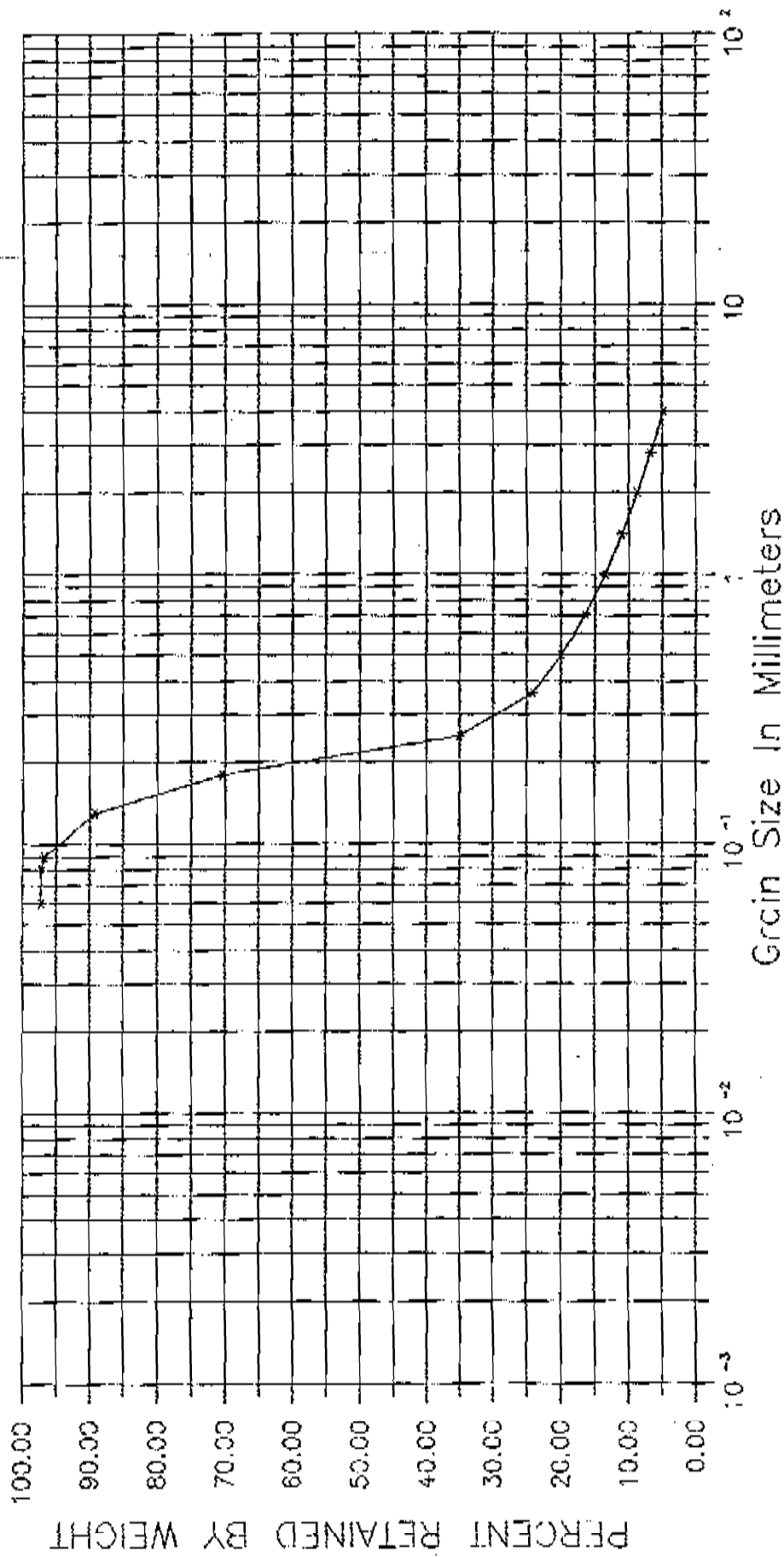
GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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	95.29	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	18.08	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	14.32	211.45	91.85	8.15	
170	3.50	0.09	207.16	97.27	2.73	223.41	96.24	1.76	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	98.89	1.11	
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					

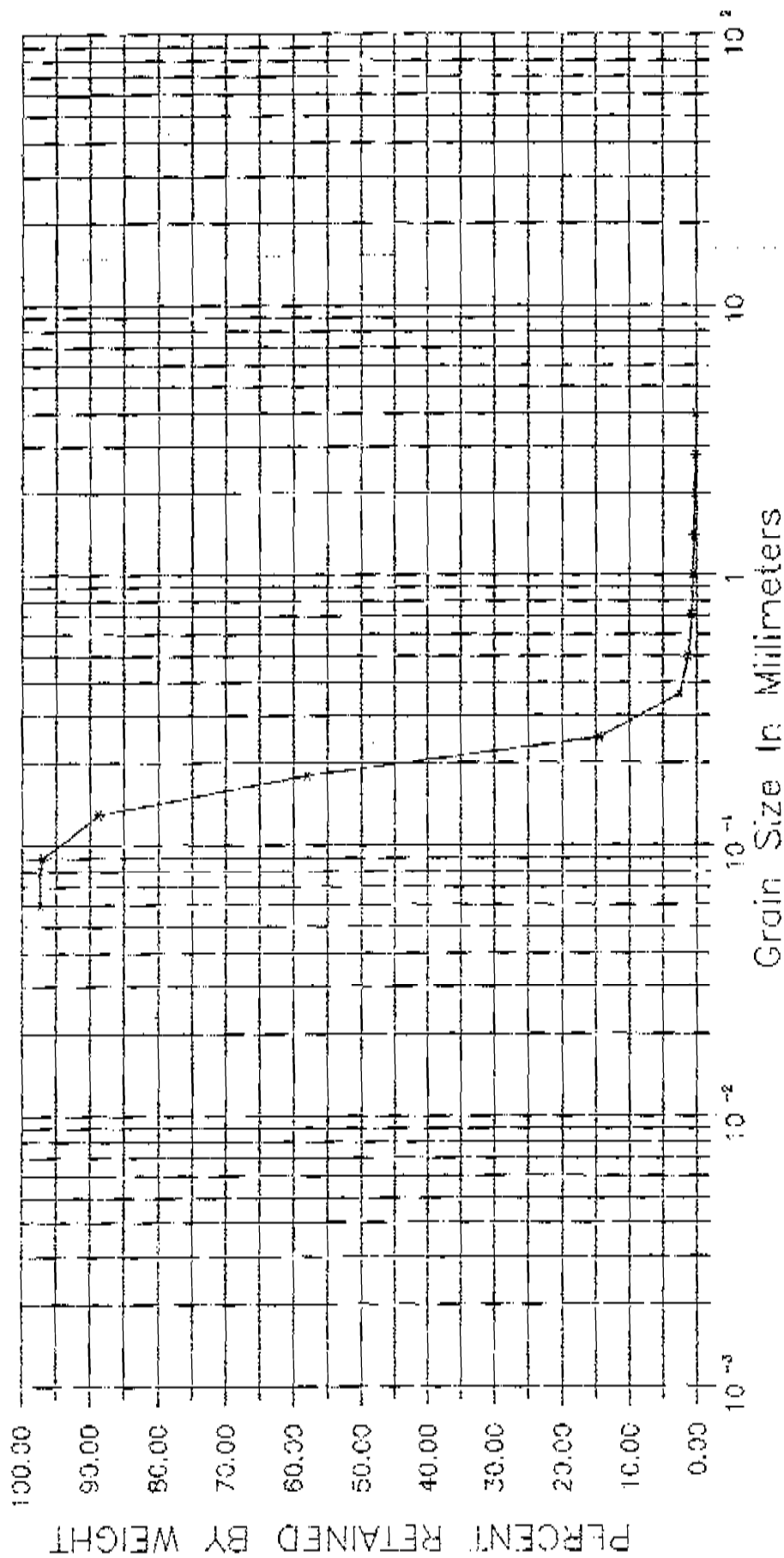
MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE	

CLASSIFICATION		
SAMPLE NO.	MEAN	SCRTING
4		
1.6'	2.2 mm	20
	2.7 mm	1.17
	GREY POORLY GRADED SAND WITH CORAL SHELL FRAGMENTS (SP-6P)	

MECHANICAL ANALYSIS CHART

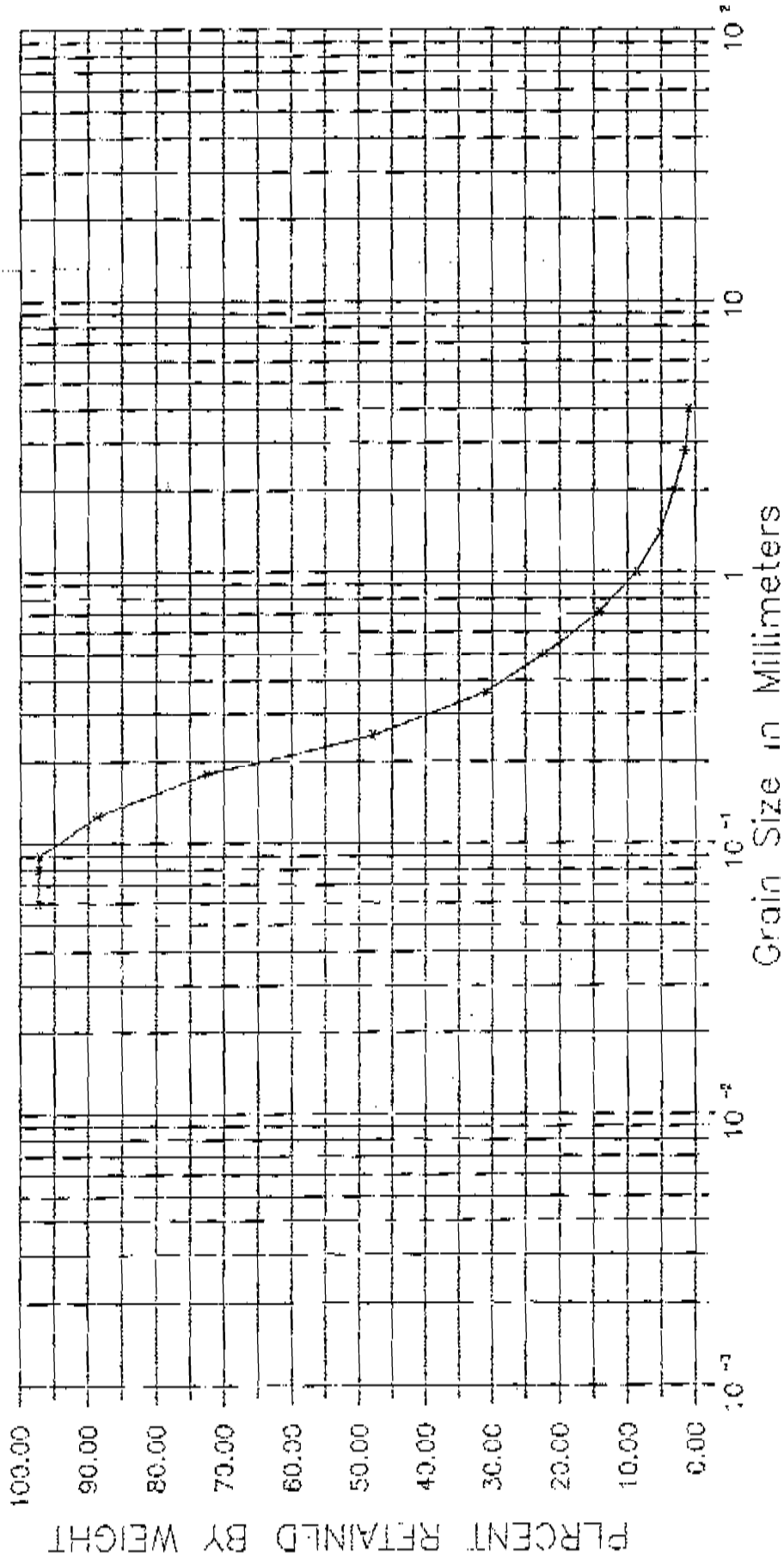


SILT OR CLAY	GRAVEL			
	FINE	MEDIUM	COARSE	COARSE

CLASSIFICATION

SAMPLE NO.	MEAN	MEDIAN	SORTING
4			
6.2'	0.425	0.425	0.42
	0.15 mm	0.15 mm	0.41
	GREY POORLY GRADED SAND-(SP)		

MECHANICAL ANALYSIS CHART



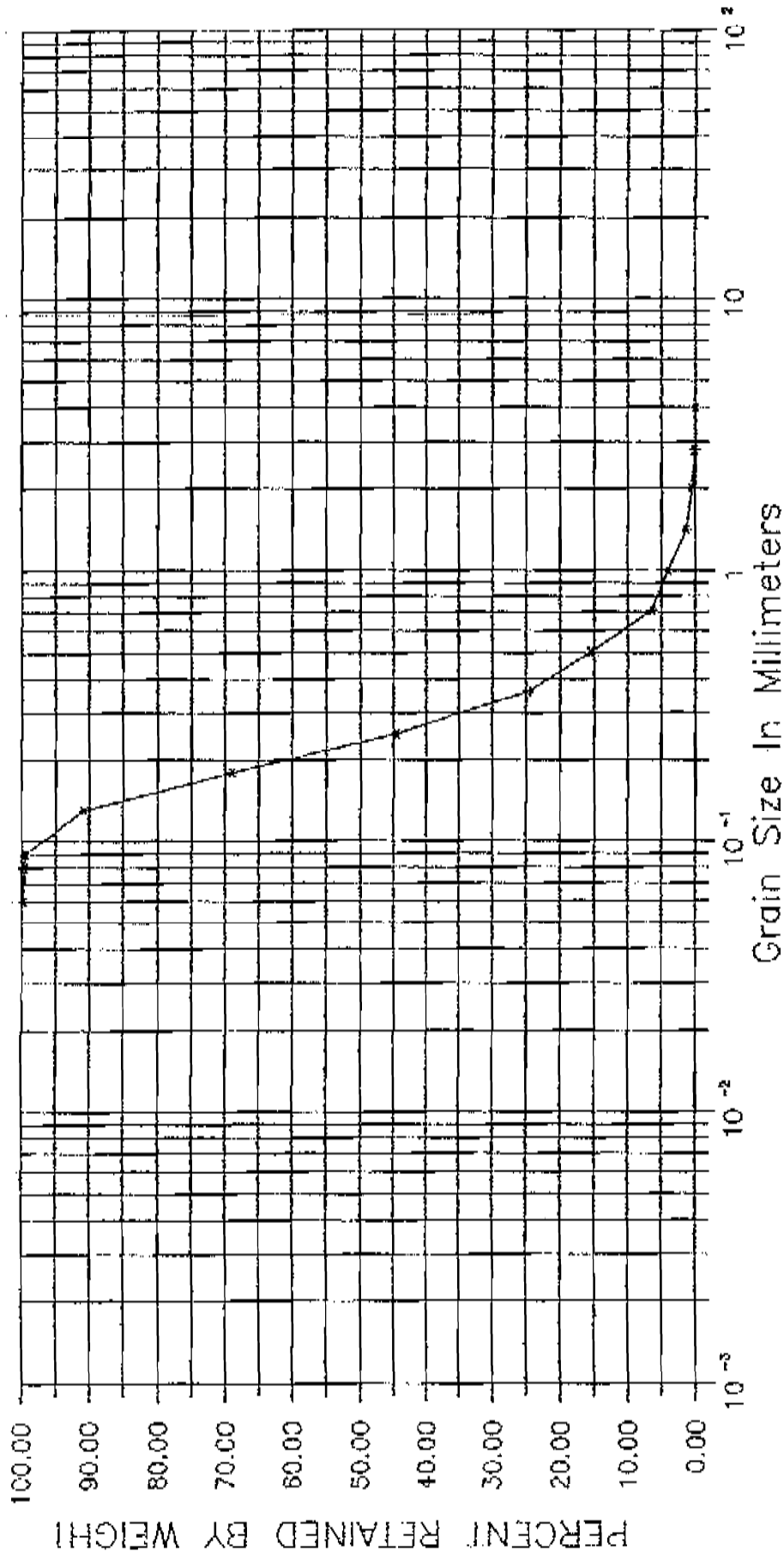
SILT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE	

SAMPLE NO.

CLASSIFICATION

4	WEAN	MEDIAN	SORTING
14.81	0.28 mm	0.24 mm	1.10
	GREY POORLY GRADED SAND WITH SCATTERED SHELL - (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY		FINE		SAND		GRAVEL	

SAMPLE NO. CLASSIFICATION

MEAN	MEDIAN	SORTING
0.25mm	0.25mm	0.87
GREY POORLY GRADED SAND (SP)		