APPENDIX C

SEDIMENT ANALYSES AND GRAIN SIZE CURVES

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Station	Organics	Carbonate	Mud
S1	4.16%	45.09%	2.22%
S2	5.08%	45.01%	1.19%
S3	4.17%	57.71%	0.23%
S4	1.12%	14.78%	1.02%
S5	1.78%	16.05%	1.14%
S6	2.88%	7.75%	2.88%

Sediment Analysis Data Sheet

Sample Station 1 Peanut Island

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	0.00	0.00	0.00
	8.00	-3.00	0.02	0.05	0.05
	5.66	-2.50	0.00	0.00	0.05
5	4.00	-2.00	0.16	0.31	0.35
7	2.83	-1.50	0.02	0.04	0.39
10	2.00	-1.00	0.14	0.28	0.67
14	1.41	-0.50	0.33	0.64	1.31
18	1.00	0.00	0.73	1.43	2.74
25	0.71	0.50	2.14	4.20	6.94
35	0.50	1.00	6.75	13.22	20.16
45	0.35	1.50	10.10	19.77	39.93
60	0.25	2.00	11.85	23.20	63.13
80	0.18	2.50	7.69	15.05	78.18
120	0.13	3.00	7.54	14.76	92.94
170	0.09	3.50	2.31	4.52	97.46
200	0.07	3.75	0.09	0.17	97.63
Pan			0.04	0.07	97.70
Total			49.92	97.70	97.70

Folk Statistics	phi	mm
5% :	0.27	0.83
16% :	0.84	0.56
25% :	1.12	0.46
50% :	1.72	0.30
75% :	2.39	0.19
84% :	2.70	0.15
95% :	3.23	0.11
Med.	1.72	0.30
Mean	1.75	0.30
St Dev.	0.91	
Skew	0.04	
Kurt.	0.95	

Moment Statistics	Phi	mm
Mean	1.93	0.26
St. Dev.	0.88	0.54
Skewness	-0.56	
Kurtosis	4.27	

Cu =	2.64	Gravel	0	%
		Coarse Sand	0	%
		Med. Sand	29	%
Cc =	0.96	Fine Sand	68	%

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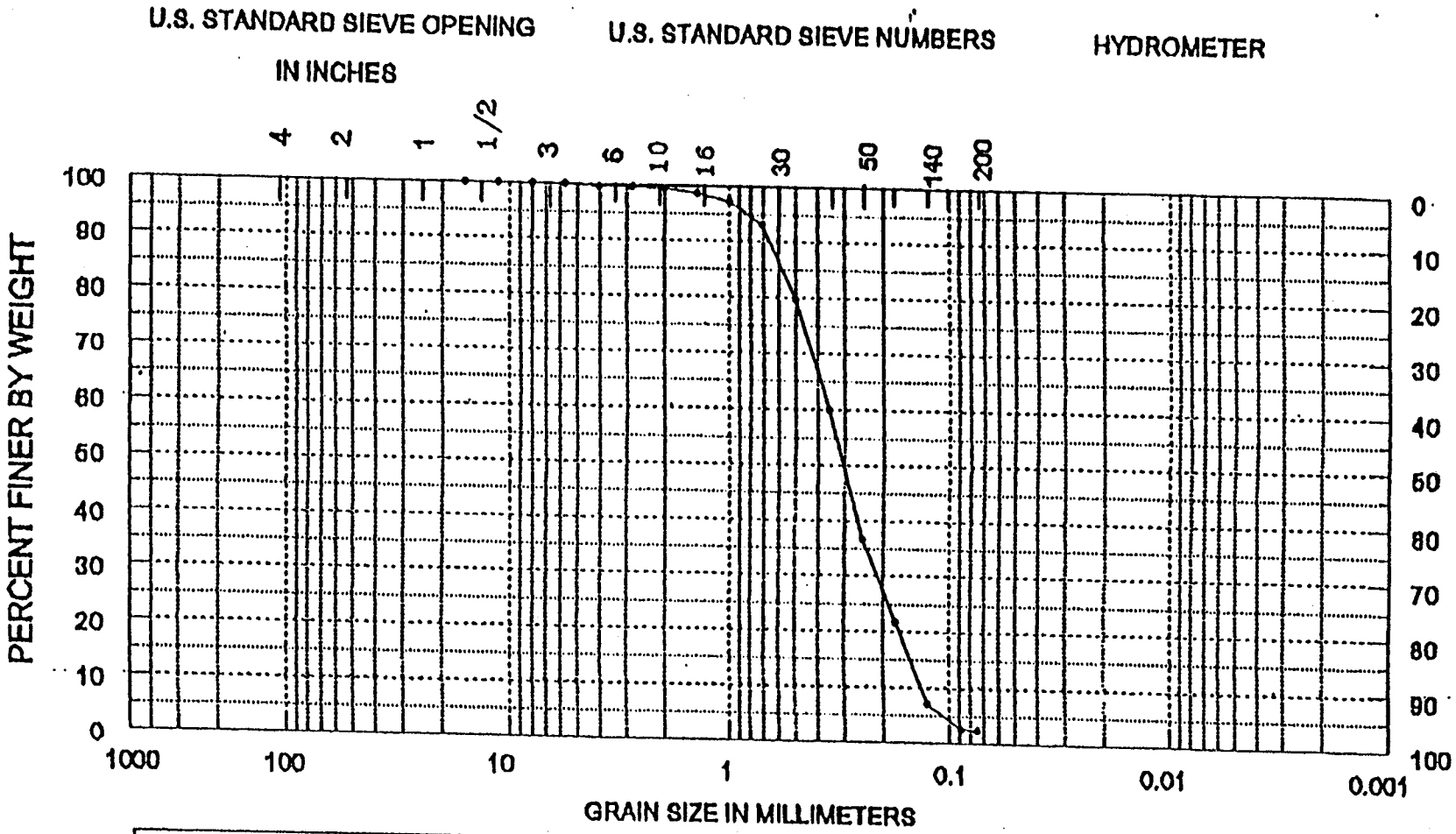

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Palm Beach County 1998
Station 1		Fine Sand SP	AREA
			BORING NO.
			DATE February,14 1998

Sediment Analysis Data Sheet

Sample Station 2 Peanut Island

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	0.00	0.00	0.00
	8.00	-3.00	0.00	0.00	0.00
	5.66	-2.50	0.21	0.51	0.51
5	4.00	-2.00	0.15	0.38	0.89
7	2.83	-1.50	0.11	0.28	1.17
10	2.00	-1.00	0.46	1.16	2.33
14	1.41	-0.50	0.77	1.92	4.25
18	1.00	0.00	1.26	3.17	7.41
25	0.71	0.50	2.65	6.65	14.06
35	0.50	1.00	5.86	14.69	28.75
45	0.35	1.50	7.88	19.75	48.50
60	0.25	2.00	10.76	26.96	75.46
80	0.18	2.50	5.86	14.69	90.15
120	0.13	3.00	2.69	6.73	96.89
170	0.09	3.50	0.72	1.80	98.69
200	0.07	3.75	0.04	0.10	98.79
Pan			0.00	0.01	98.80
Total			39.42	98.80	98.80

Folk Statistics	phi	mm
5% :	-0.38	1.30
16% :	0.57	0.68
25% :	0.87	0.55
50% :	1.53	0.35
75% :	1.99	0.25
84% :	2.29	0.20
95% :	2.86	0.14
Med.	1.53	0.35
Mean	1.37	0.39
St Dev.	0.92	
Skew	-0.15	
Kurt.	1.19	

Moment Statistics	Phi	mm
Mean	1.63	0.32
St. Dev.	0.96	0.52
Skewness	-1.01	
Kurtosis	5.16	

Cu = 2.31

Cc = 0.99

Gravel	1	%
Coarse Sand	2	%
Med. Sand	36	%
Fine Sand	60	%

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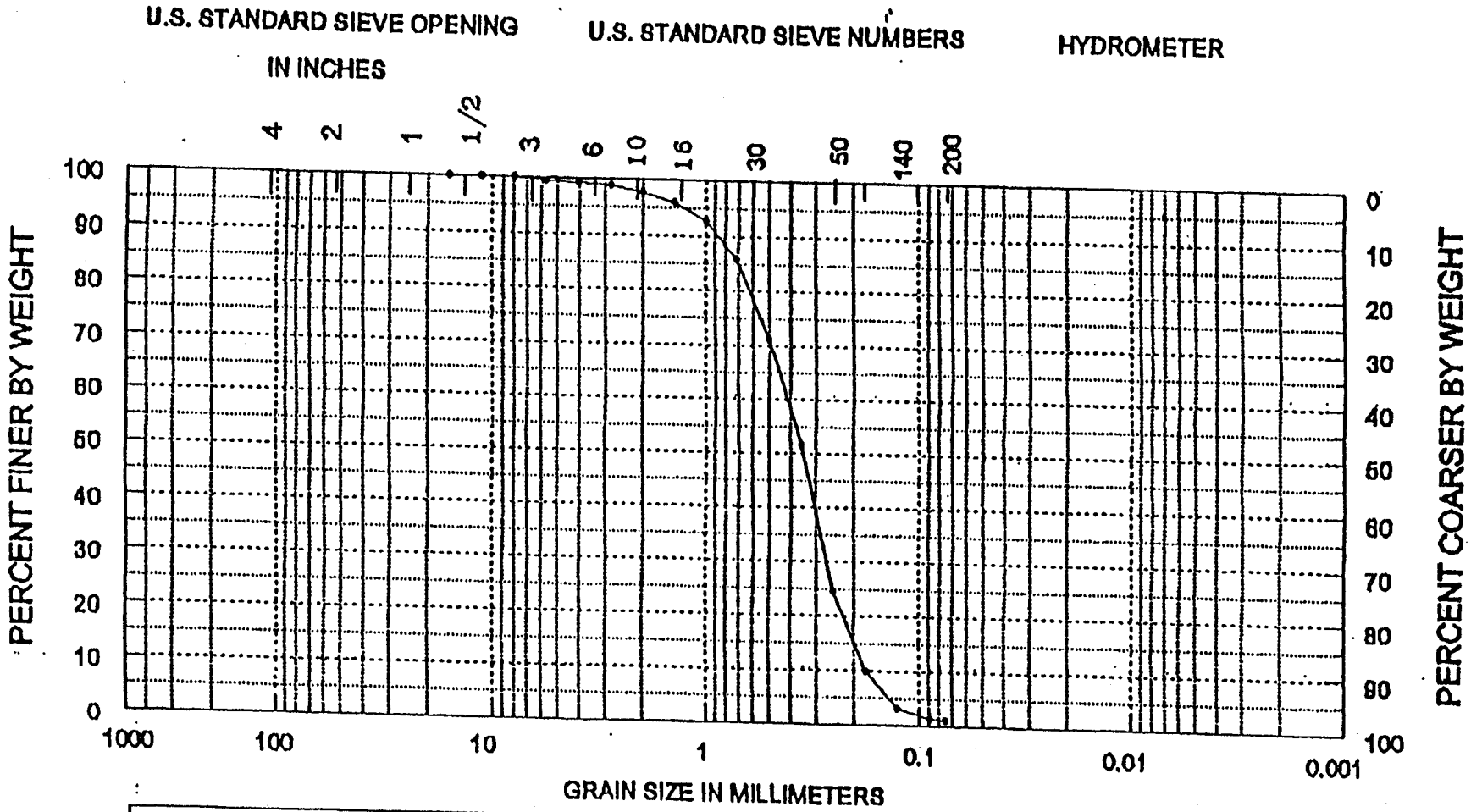

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	
Station 2		Medium to fine Sand SP	PROJECT Palm Beach County 1998
			AREA
			BORING NO.
			DATE February,14 1998

Sediment Analysis Data Sheet

Sample Station 3 Peanut Island

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	0.41	0.83	0.83
	8.00	-3.00	0.48	0.96	1.80
	5.66	-2.50	0.36	0.73	2.53
5	4.00	-2.00	0.88	1.77	4.30
7	2.83	-1.50	1.36	2.74	7.04
10	2.00	-1.00	1.69	3.39	10.43
14	1.41	-0.50	2.43	4.88	15.31
18	1.00	0.00	3.43	6.89	22.20
25	0.71	0.50	5.82	11.69	33.89
35	0.50	1.00	9.26	18.61	52.50
45	0.35	1.50	9.60	19.28	71.78
60	0.25	2.00	9.19	18.45	90.23
80	0.18	2.50	3.42	6.87	97.10
120	0.13	3.00	1.01	2.04	99.14
170	0.09	3.50	0.25	0.51	99.64
200	0.07	3.75	0.02	0.04	99.68
Pan			0.01	0.02	99.70
Total			49.63	99.70	99.70

Folk Statistics	phi	mm
5% :	-1.87	3.66
16% :	-0.45	1.37
25% :	0.12	0.92
50% :	0.93	0.52
75% :	1.59	0.33
84% :	1.83	0.28
95% :	2.35	0.20
Med.	0.93	0.52
Mean	0.56	0.68
St Dev.	1.21	
Skew	-0.27	
Kurt.	1.18	

Moment Statistics	Phi	mm
Mean	0.95	0.52
St. Dev.	1.26	0.42
Skewness	-1.08	
Kurtosis	4.33	

Cu = 2.51

Cc = 0.84

Gravel	3	%
Coarse Sand	7	%
Med. Sand	52	%
Fine Sand	38	%

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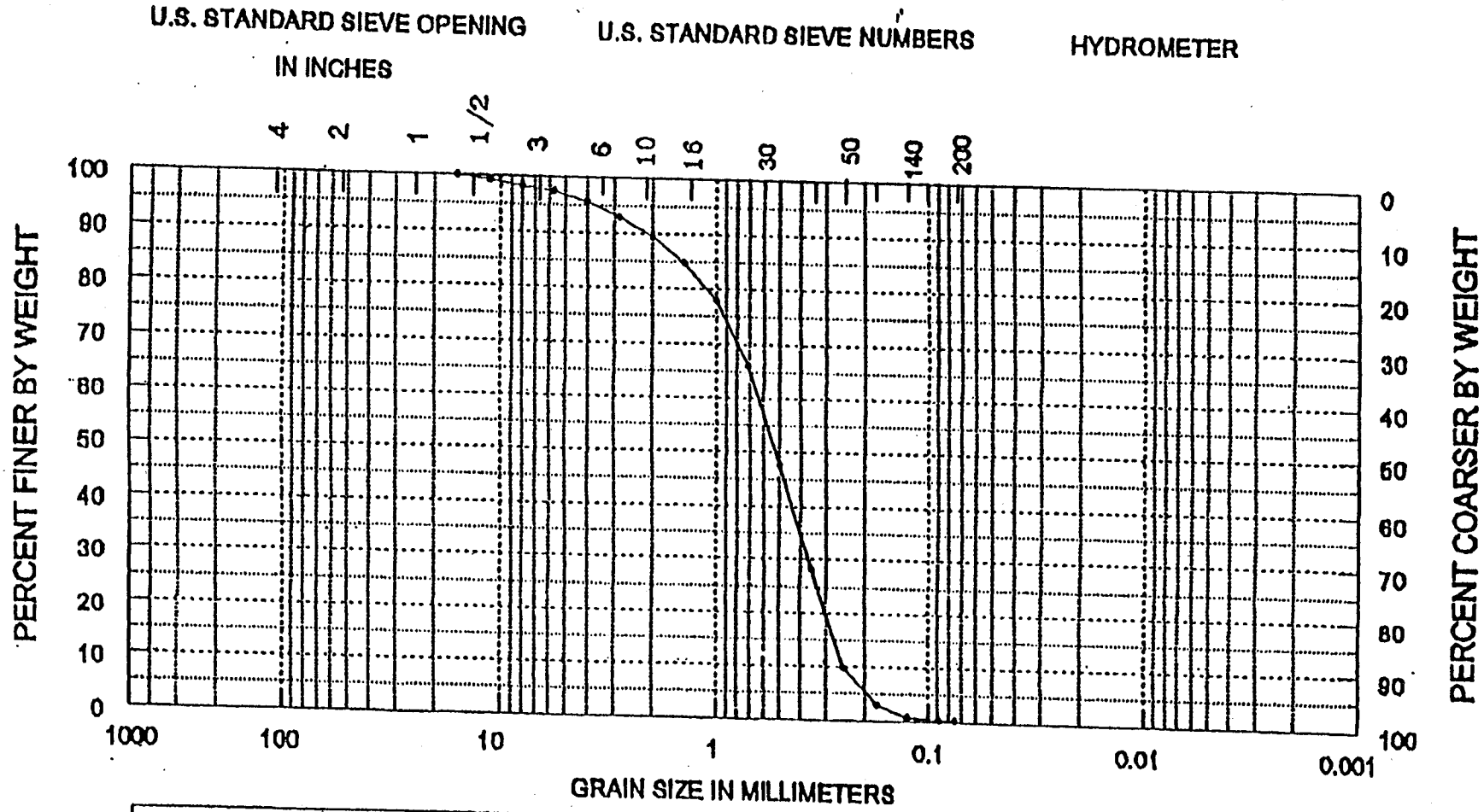

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	
Station 3		Medium to fine Sand SP	PROJECT Palm Beach County 1998
			AREA
			BORING NO.
			DATE February,14 1998

Sediment Analysis Data Sheet

Sample Station 4 Peanut Island

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	1.20	1.87	1.87
	8.00	-3.00	1.64	2.56	4.43
	5.66	-2.50	0.41	0.64	5.07
5	4.00	-2.00	0.71	1.12	6.18
7	2.83	-1.50	0.80	1.25	7.43
10	2.00	-1.00	0.40	0.63	8.06
14	1.41	-0.50	0.30	0.46	8.52
18	1.00	0.00	0.34	0.53	9.05
25	0.71	0.50	0.62	0.98	10.02
35	0.50	1.00	1.13	1.77	11.79
45	0.35	1.50	2.14	3.35	15.14
60	0.25	2.00	6.19	9.69	24.83
80	0.18	2.50	11.41	17.85	42.67
120	0.13	3.00	24.53	38.36	81.03
170	0.09	3.50	10.98	17.17	98.21
200	0.07	3.75	0.39	0.61	98.82
Pan			0.05	0.08	98.90
Total			63.23	98.90	98.90

Folk Statistics	phi	mm
5% :	-2.55	5.87
16% :	1.54	0.34
25% :	2.00	0.25
50% :	2.60	0.17
75% :	2.92	0.13
84% :	3.09	0.12
95% :	3.41	0.09
Med.	2.60	0.17
Mean	1.62	0.33
St Dev.	1.29	
Skew	-0.55	
Kurt.	2.67	

Moment Statistics	Phi	mm
Mean	2.31	0.20
St. Dev.	1.61	0.33
Skewness	-2.39	
Kurtosis	8.02	

Cu = 1.78

Cc = 0.98

Gravel	6	%
Coarse Sand	2	%
Med. Sand	5	%
Fine Sand	85	%

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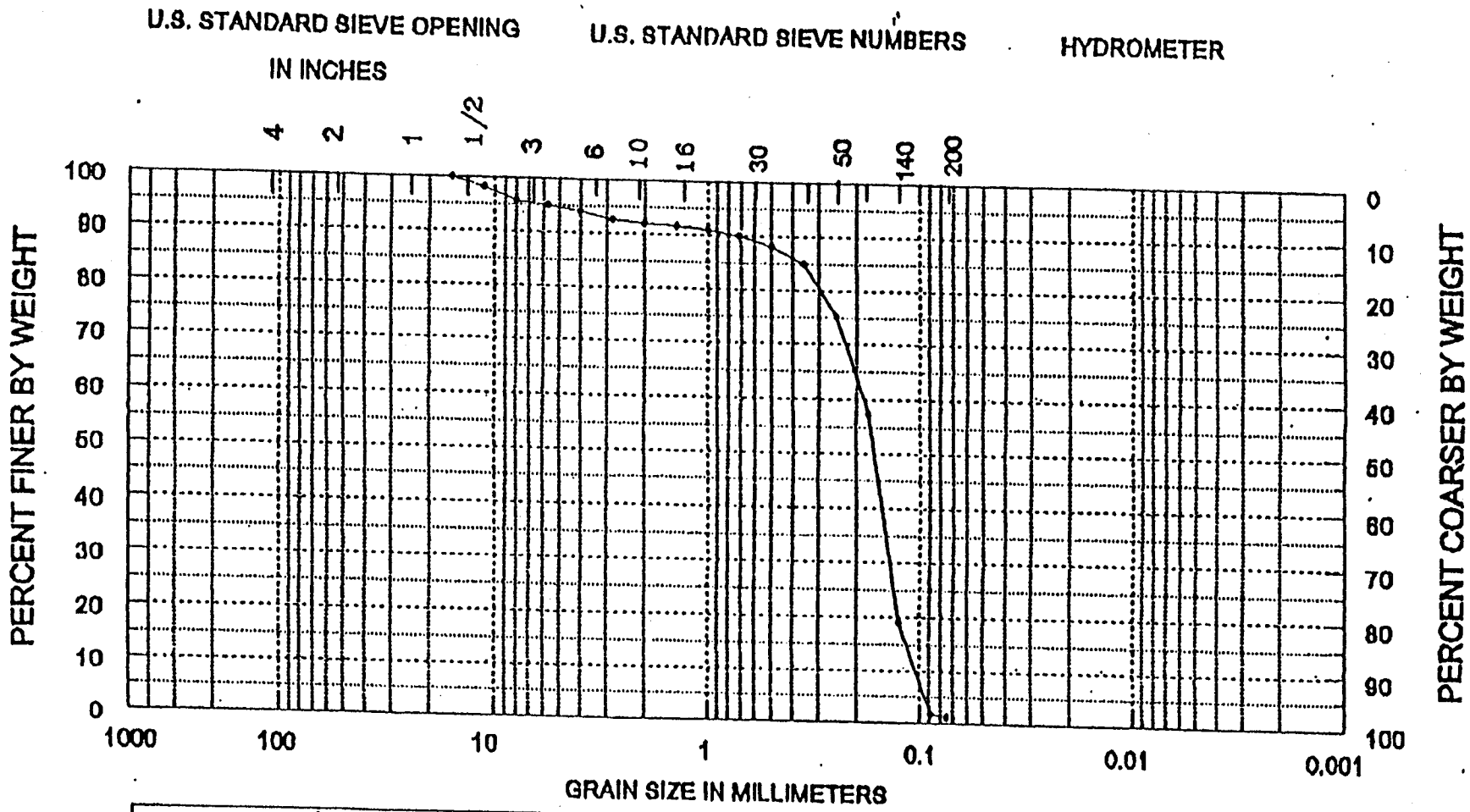

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	
Station 4		Medium to fine sand SP	PROJECT Palm Beach County 1998
			AREA
			BORING NO.
			DATE February,14 1998

Sediment Analysis Data Sheet

Sample Station 5 Peanut Island

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	1.63	2.92	2.92
	8.00	-3.00	0.63	1.12	4.04
	5.66	-2.50	1.13	2.01	6.05
5	4.00	-2.00	0.87	1.55	7.60
7	2.83	-1.50	1.13	2.02	9.61
10	2.00	-1.00	0.80	1.42	11.03
14	1.41	-0.50	0.79	1.41	12.44
18	1.00	0.00	0.74	1.32	13.76
25	0.71	0.50	1.49	2.66	16.43
35	0.50	1.00	3.40	6.07	22.50
45	0.35	1.50	5.34	9.55	32.05
60	0.25	2.00	10.35	18.50	50.55
80	0.18	2.50	11.65	20.82	71.37
120	0.13	3.00	11.92	21.31	92.67
170	0.09	3.50	3.29	5.87	98.55
200	0.07	3.75	0.12	0.22	98.77
Pan			0.02	0.03	98.80
Total			55.28	98.80	98.80

Folk Statistics		phi	mm
5%	:	-2.76	6.78
16%	:	0.42	0.75
25%	:	1.13	0.46
50%	:	1.99	0.25
75%	:	2.59	0.17
84%	:	2.80	0.14
95%	:	3.20	0.11
Med.		1.99	0.25
Mean		1.13	0.46
St Dev.		1.50	
Skew		-0.46	
Kurt.		1.68	

Moment Statistics	Phi	mm
Mean	1.71	0.30
St. Dev.	1.68	0.31
Skewness	-1.68	
Kurtosis	5.18	

Cu =	2.33	Gravel	7	%
		Coarse Sand	4	%
		Med. Sand	16	%
Cc =	0.82	Fine Sand	71	%

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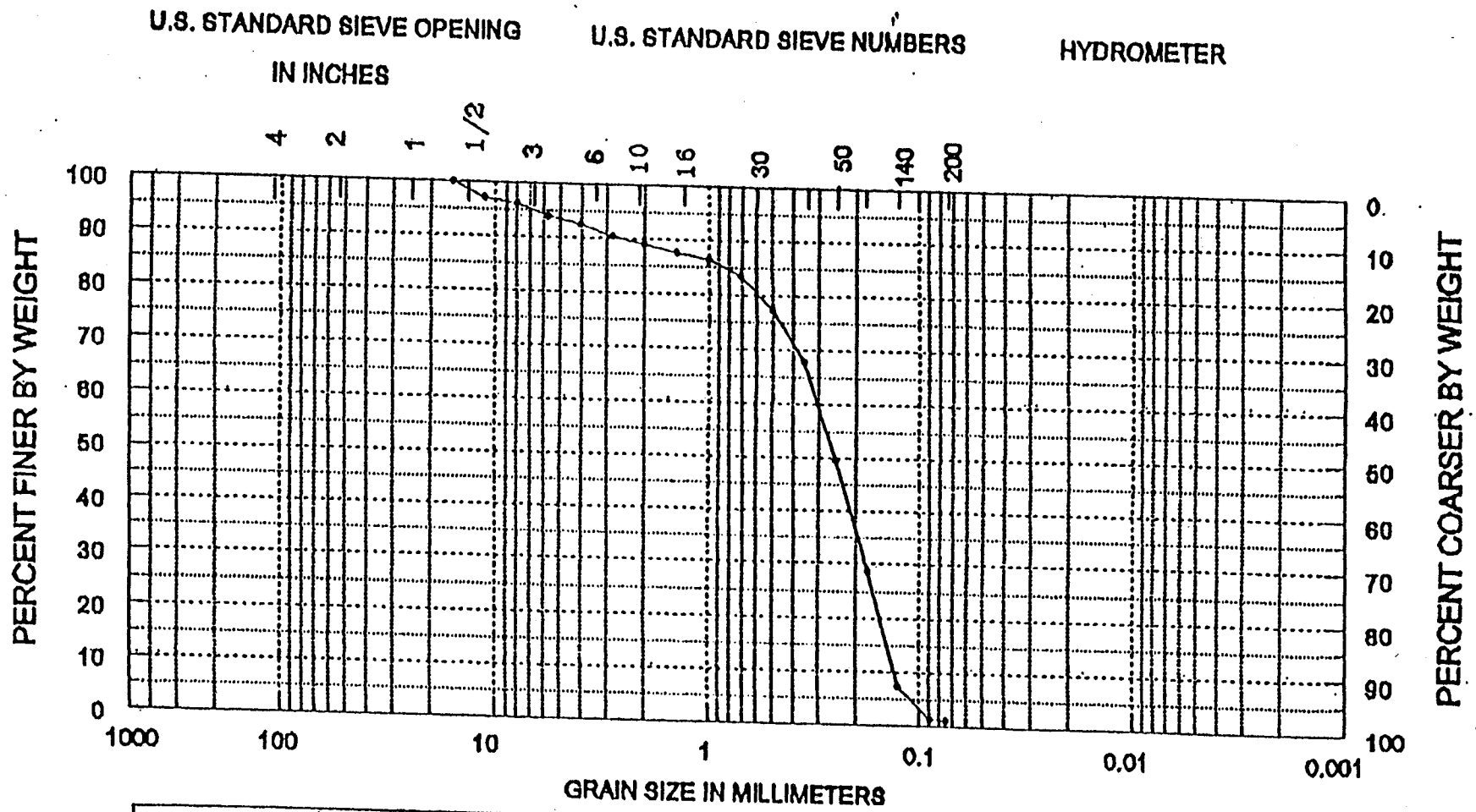


COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Palm Beach County 1998
Station 5		Fine sand SP	AREA
			BORING NO.
			DATE February,14 1998

Sediment Analysis Data Sheet

Sample Station 6 Peanut Island

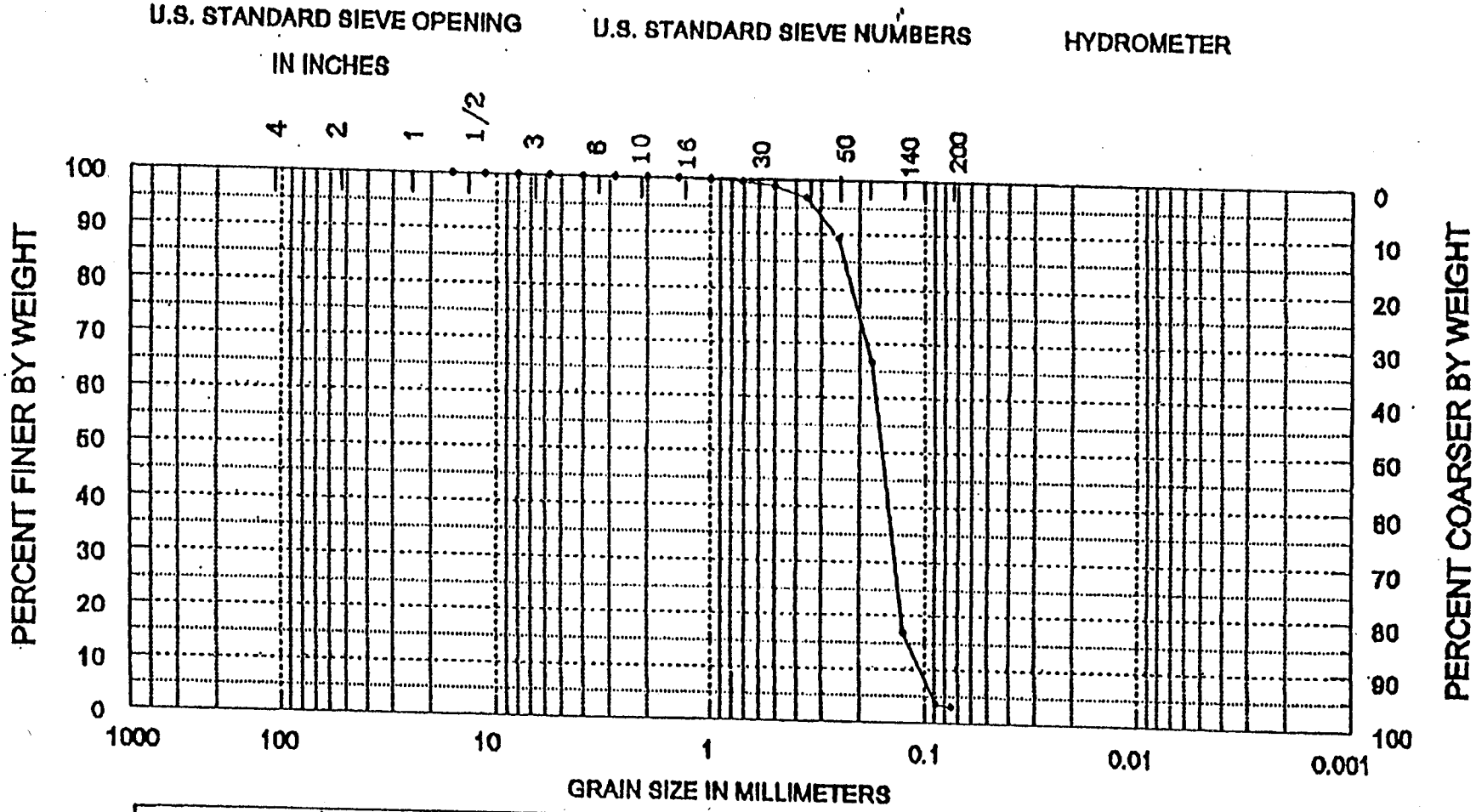
Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %
	16.00	-4.00	0.00	0.00	0.00
	11.31	-3.50	0.00	0.00	0.00
	8.00	-3.00	0.00	0.00	0.00
	5.66	-2.50	0.00	0.00	0.00
5	4.00	-2.00	0.00	0.00	0.00
7	2.83	-1.50	0.00	0.00	0.00
10	2.00	-1.00	0.00	0.00	0.00
14	1.41	-0.50	0.04	0.09	0.09
18	1.00	0.00	0.04	0.10	0.19
25	0.71	0.50	0.11	0.26	0.45
35	0.50	1.00	0.31	0.75	1.20
45	0.35	1.50	0.78	1.88	3.08
60	0.25	2.00	3.28	7.85	10.93
80	0.18	2.50	9.33	22.34	33.27
120	0.13	3.00	20.86	49.97	83.23
170	0.09	3.50	5.53	13.24	96.47
200	0.07	3.75	0.23	0.56	97.03
Pan			0.03	0.07	97.10
Total			40.54	97.10	97.10

Folk Statistics	phi	mm
5% :	1.62	0.32
16% :	2.11	0.23
25% :	2.31	0.20
50% :	2.67	0.16
75% :	2.92	0.13
84% :	3.03	0.12
95% :	3.44	0.09
Med.	2.67	0.16
Mean	2.58	0.17
St Dev.	0.50	
Skew	-0.18	
Kurt.	1.24	

Moment Statistics	Phi	mm
Mean	2.82	0.14
St. Dev.	0.51	0.70
Skewness	-1.42	
Kurtosis	7.28	

Cu =	1.61	Gravel	0	%
		Coarse Sand	0	%
		Med. Sand	2	%
Cc =	1.06	Fine Sand	95	%

SEA, Inc



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT Palm Beach County 1998
Station 6		Fine sand SP	AREA
			BORING NO.
			DATE February,14 1998