

VIBRACORE LOG

CORE NO: III-11

WATER DEPTH: 31.0 Ft. NGVD

DRILLER: EXMAR (M. CLARKE)

CLIENT REP: MDA

[illegible]

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

COASTAL PLANNING & ENGINEERING, INC

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/14/93

SAMPLE NO.: CORE #11
SAMPLE ELEV. (FT. NGVD): 32.70
SAMPLE DEPTH (FT.): 0.9
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 211.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 208.60

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.30	.14	99.86
5	-2.0	4.000	2.40	1.13	98.87
7	-1.5	2.800	6.20	2.93	97.07
10	-1.0	2.000	14.00	6.61	93.39
14	-0.5	1.400	26.60	12.55	87.45
18	0.0	1.000	45.80	21.61	78.39
25	0.5	.710	73.30	34.59	65.41
35	1.0	.500	107.90	50.92	49.08
45	1.5	.355	134.10	63.28	36.72
60	2.0	.250	155.20	73.24	26.76
80	2.5	.180	188.80	89.10	10.90
120	3.0	.125	204.30	96.41	3.59
170	3.5	.090	208.00	98.16	1.84
200	3.75	.075	208.40	98.35	1.65
230	4.0	.063	210.15	99.17	.83
PAN			211.90	100.00	.00

SIEVE LOSS (g):	.00	MEAN (PHI):	.94
MEDIAN (mm):	.510	MEAN (mm):	.522
SILT/CLAY:	1.65%	SORTING:	1.325
SKEWNESS:	-.259	KURTOSIS:	.878

PHI(5): -1.22	PHI(16): -.31	PHI(25): .13
PHI(50): .97	PHI(75): 2.06	PHI(84): 2.34
PHI(95): 2.90		
COEFFICIENT OF CURVATURE :	.733	
COEFFICIENT OF UNIFORMITY:	3.722	

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#11-S16.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/14/93

SAMPLE NO.: CORE #11
SAMPLE ELEV. (FT. NGVD): 34.80
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 202.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 189.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.40	.20	99.80
5	-2.0	4.000	2.90	1.43	98.57
7	-1.5	2.800	4.20	2.07	97.93
10	-1.0	2.000	5.40	2.67	97.33
14	-0.5	1.400	6.80	3.36	96.64
18	0.0	1.000	8.30	4.10	95.90
25	0.5	.710	9.80	4.84	95.16
35	1.0	.500	12.40	6.12	93.88
45	1.5	.355	15.25	7.53	92.47
60	2.0	.250	23.00	11.36	88.64
80	2.5	.180	61.50	30.37	69.63
120	3.0	.125	151.10	74.62	25.38
170	3.5	.090	184.20	90.96	9.04
200	3.75	.075	188.40	93.04	6.96
230	4.0	.063	195.95	96.77	3.23
PAN			202.45	99.98	.02

SIEVE LOSS (g):	.05	MEAN (PHI):	2.52
MEDIAN (mm):	.152	MEAN (mm):	.175
SILT/CLAY:	6.96%	SORTING:	.582
SKEWNESS:	-1.000	KURTOSIS:	2.083

PHI(5):	.56	PHI(16):	2.12	PHI(25):	2.36
PHI(50):	2.72	PHI(75):	3.01	PHI(84):	3.29
PHI(95):	3.88				

COEFFICIENT OF CURVATURE : 1.136
COEFFICIENT OF UNIFORMITY: 1.817

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#11-S17.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/14/93

SAMPLE NO.: CORE #11
SAMPLE ELEV. (FT. NGVD): 36.50
SAMPLE DEPTH (FT.): 4.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SW-SM

DRY SAMPLE WEIGHT (GRAMS): 224.25
SAMPLE WEIGHT AFTER WASH (GRAMS): 202.20

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	2.10	.94	99.06
5/16	-3.0	8.000	9.90	4.41	95.59
5	-2.0	4.000	36.50	16.28	83.72
7	-1.5	2.800	53.60	23.90	76.10
10	-1.0	2.000	77.30	34.47	65.53
14	-0.5	1.400	105.60	47.09	52.91
18	0.0	1.000	131.10	58.46	41.54
25	0.5	.710	147.10	65.60	34.40
35	1.0	.500	156.50	69.79	30.21
45	1.5	.355	161.40	71.97	28.03
60	2.0	.250	167.15	74.54	25.46
80	2.5	.180	177.70	79.24	20.76
120	3.0	.125	193.80	86.42	13.58
170	3.5	.090	200.50	89.41	10.59
200	3.75	.075	201.90	90.03	9.97
230	4.0	.063	213.13	95.04	4.96
PAN			224.20	99.98	.02

SIEVE LOSS (g):	.05	MEAN (PHI):	.30
MEDIAN (mm):	1.294	MEAN (mm):	.814
SILT/CLAY:	9.97%	SORTING:	2.427
SKEWNESS:	1.792	KURTOSIS:	.814

PHI(5): -2.95	PHI(16): -2.02	PHI(25): -1.45
PHI(50): -.37	PHI(75): 2.05	PHI(84): 2.83
PHI(95): 4.00		
COEFFICIENT OF CURVATURE : 1.813		
COEFFICIENT OF UNIFORMITY: 22.904		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#11-S18.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/14/93

SAMPLE NO.: CORE #11
SAMPLE ELEV. (FT. NGVD): 38.9
SAMPLE DEPTH (FT.): 7.1
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 214.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 198.90

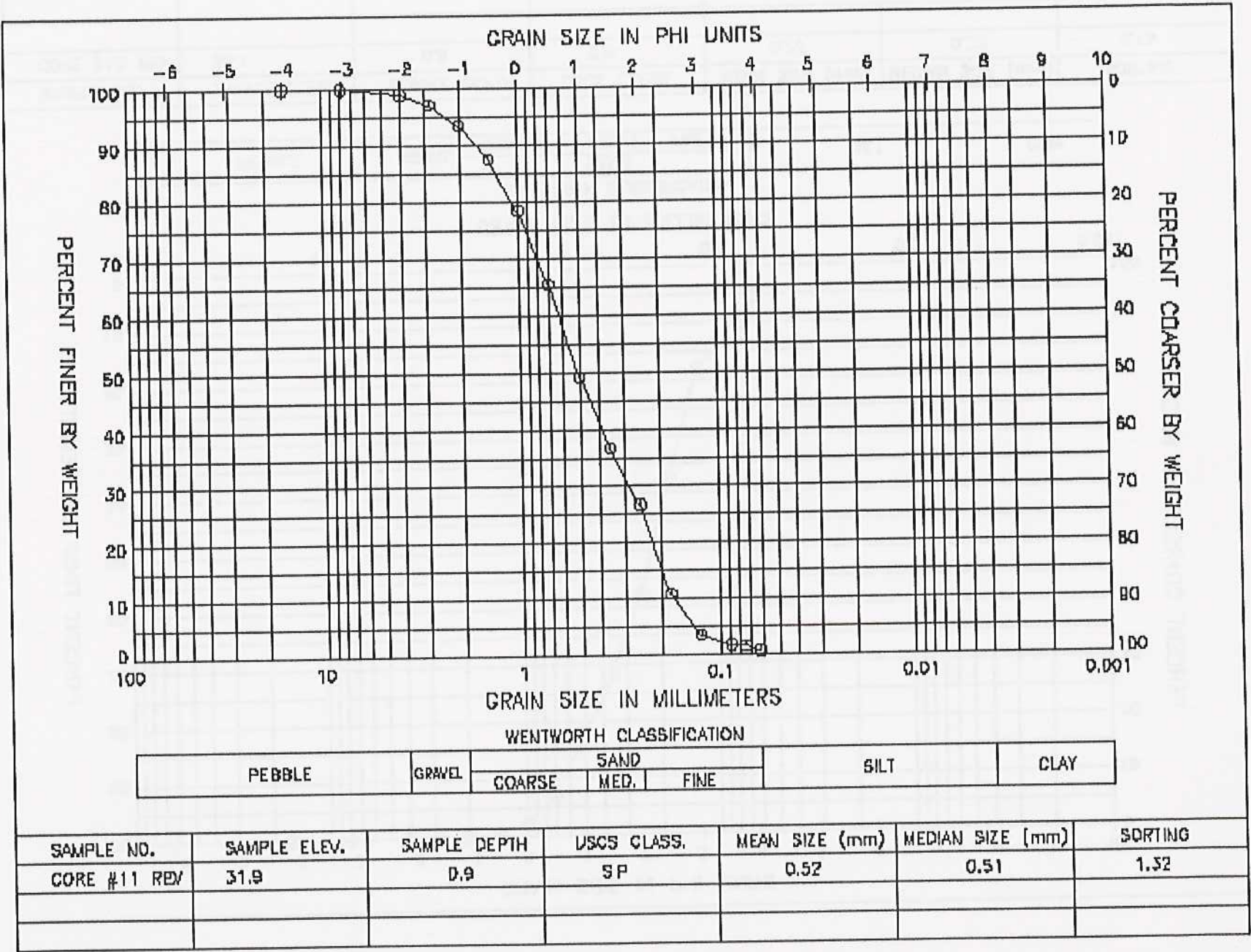
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	1.20	.56	99.44
5	-2.0	4.000	2.90	1.35	98.65
7	-1.5	2.800	4.30	2.00	98.00
10	-1.0	2.000	5.60	2.61	97.39
14	-0.5	1.400	6.90	3.21	96.79
18	0.0	1.000	8.00	3.72	96.28
25	0.5	.710	9.60	4.47	95.53
35	1.0	.500	15.10	7.03	92.97
45	1.5	.355	29.80	13.87	86.13
60	2.0	.250	61.10	28.45	71.55
80	2.5	.180	93.40	43.48	56.52
120	3.0	.125	141.10	65.69	34.31
170	3.5	.090	185.40	86.31	13.69
200	3.75	.075	195.70	91.11	8.89
230	4.0	.063	206.15	95.97	4.03
PAN			214.60	99.91	.09

SIEVE LOSS (g):	.20	MEAN (PHI):	2.44
MEDIAN (mm):	.160	MEAN (mm):	.184
SILT/CLAY:	8.89%	SORTING:	.935
SKEWNESS:	-.740	KURTOSIS:	1.020

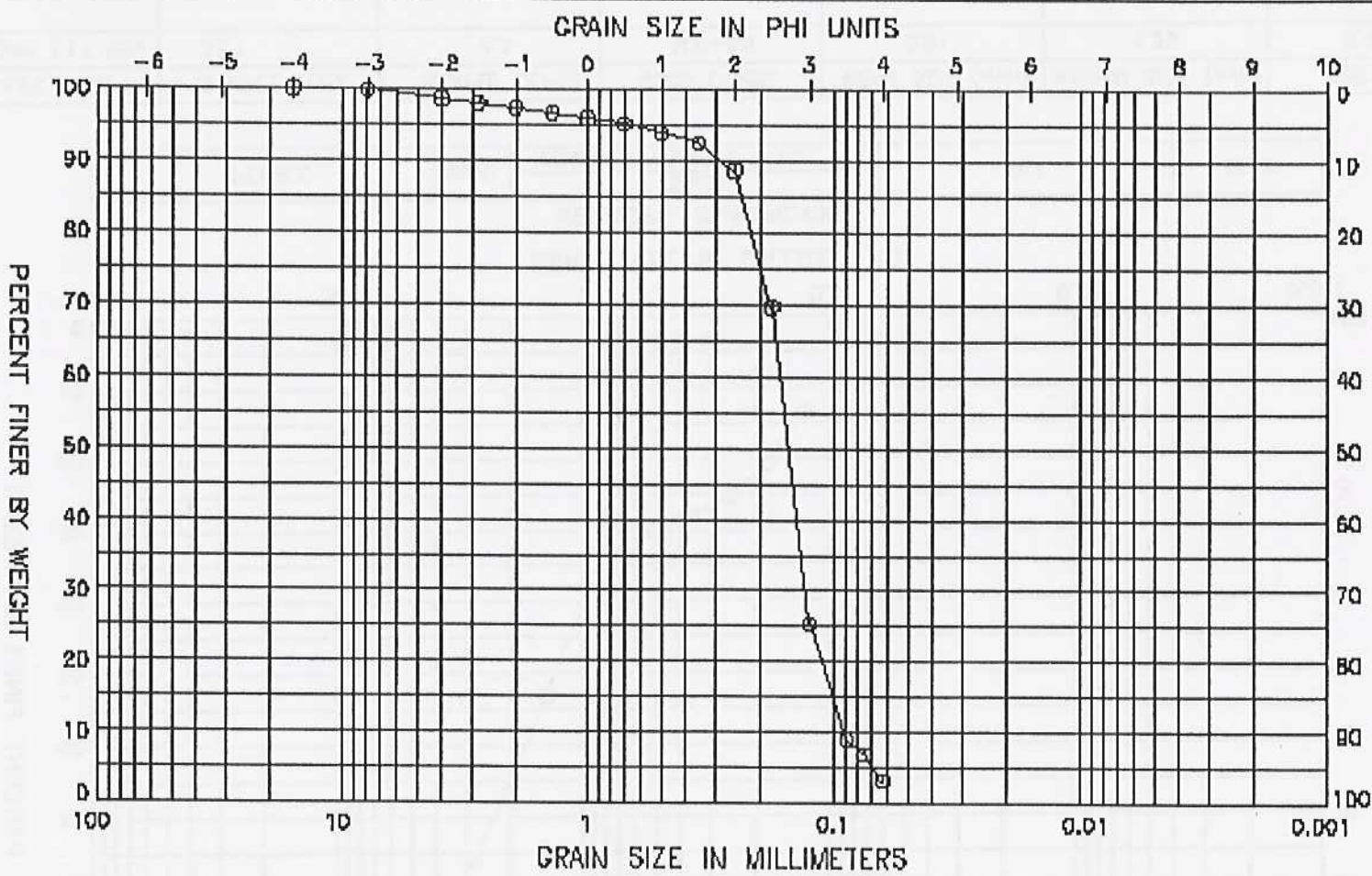
PHI(5):	.60	PHI(16):	1.57	PHI(25):	1.88
PHI(50):	2.65	PHI(75):	3.23	PHI(84):	3.44
PHI(95):	3.95				
COEFFICIENT OF CURVATURE : .912					
COEFFICIENT OF UNIFORMITY: 2.476					

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#11-S19.TAB

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA ISLAND VC 03/01/93



PERCENT COARSER BY WEIGHT



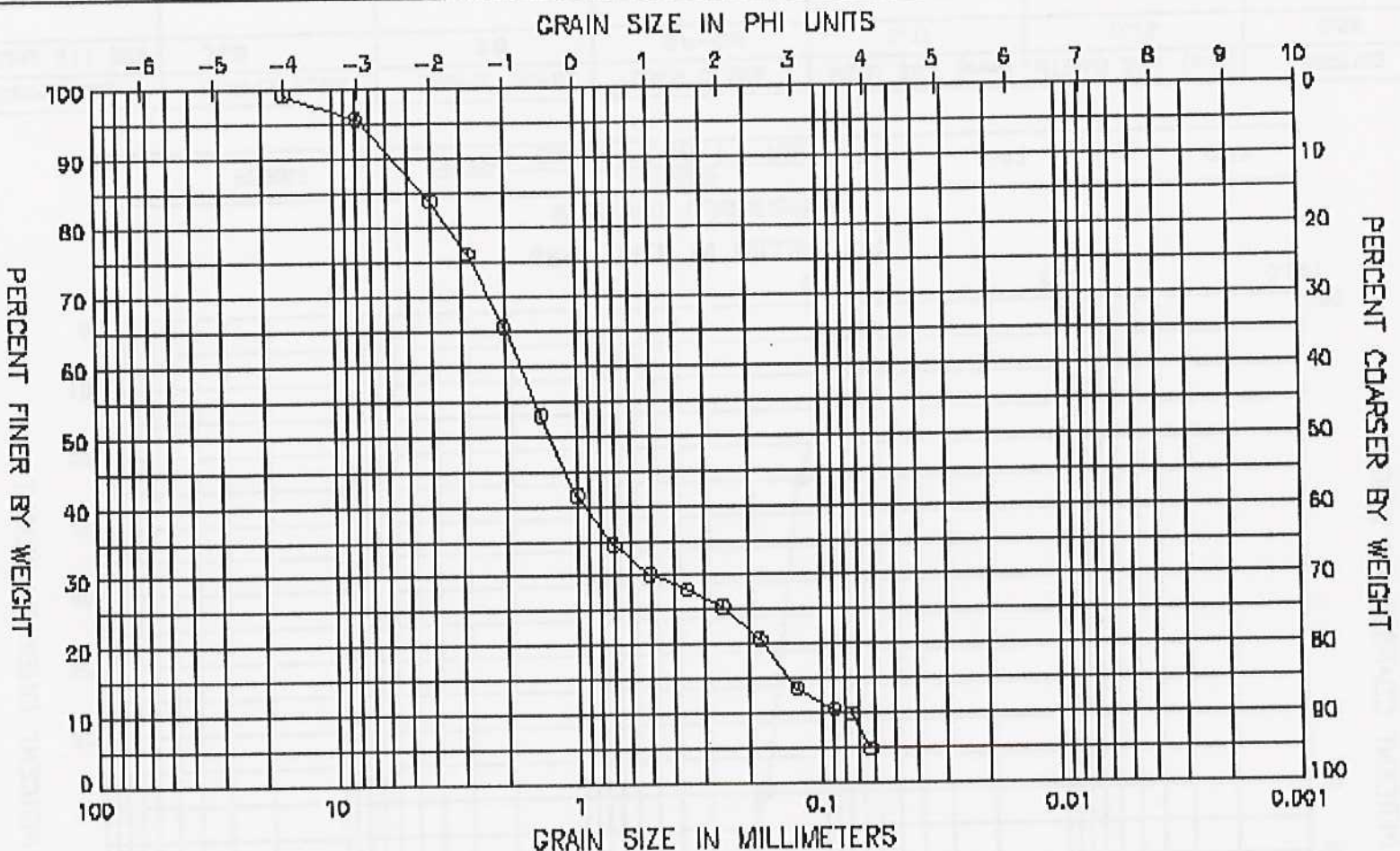
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #11 REV	34.0	3.0	SP-SM	0.17	0.15	0.58

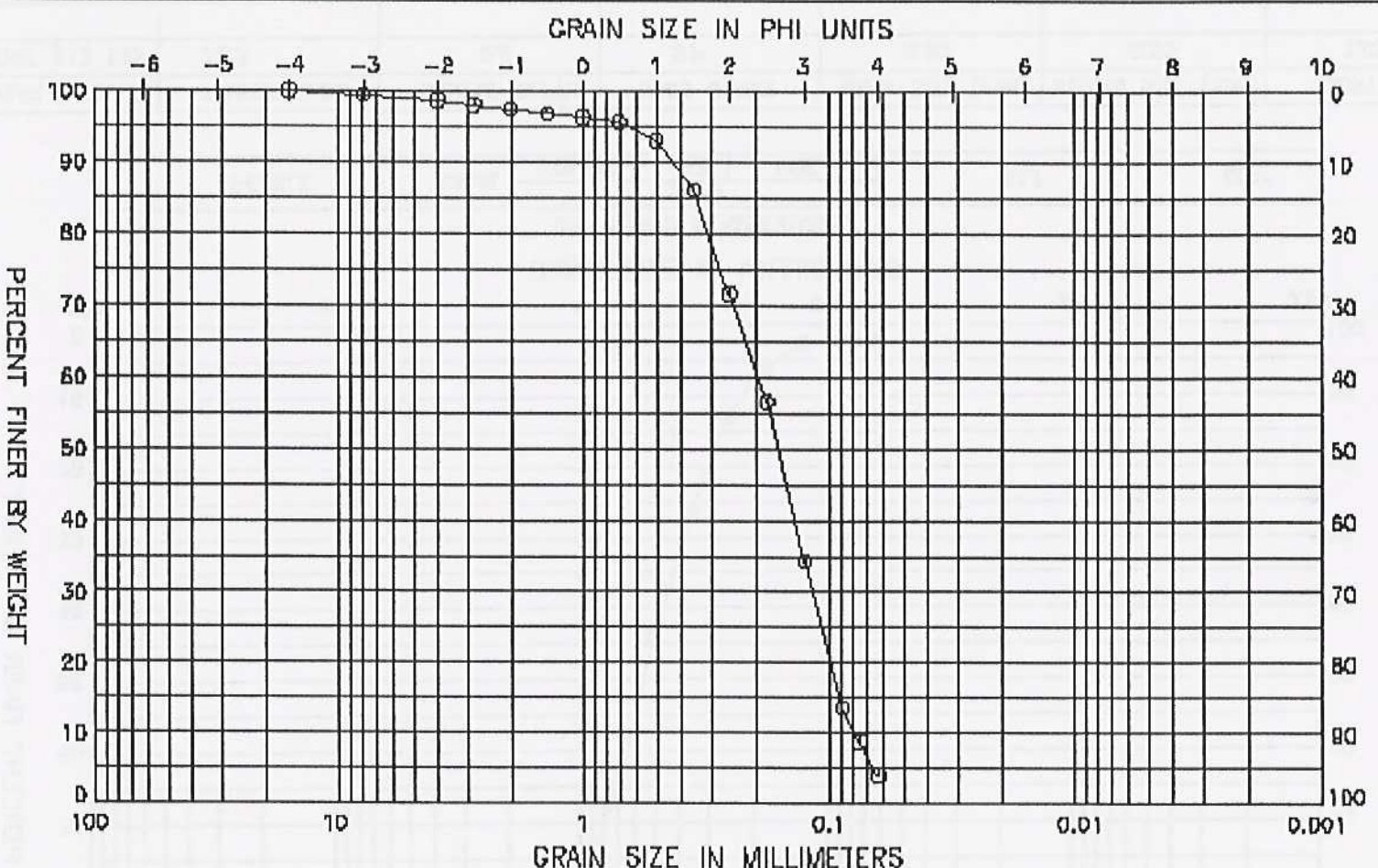
GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA ISLAND VC 03/01/93

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA ISLAND VC 03/01/93



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #11 REV	35.7	4.7	SW-SM	0.81	1.29	2.43

PERCENT COARSER BY WEIGHT



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #11 RDV	38.1	7.1	SP-SM	0.18	0.18	0.94

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA ISLAND VC 03/01/93