

[illegible]

NOTE : CORE WEIGHTED COMPOSITE 0.44mm

COASTAL PLANNING & ENGINEERING, INC

GRADATION ANALYSIS REPORT
LIDO KEY VIBRACORE JAN. 1995
TESTED BY: MDA ON: 02-27-95

SAMPLE NO.: LKVC-1 S#1
SAMPLE ELEV. (FT. NGVD): -37.0
SAMPLE DEPTH (FT.): -1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 75.17
SAMPLE WEIGHT AFTER WASH (GRAMS): 73.71

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	.00	.00	100.00
5	-2.0	4.000	.44	.59	99.41
7	-1.5	2.800	1.27	1.69	98.31
10	-1.0	2.000	2.49	3.31	96.69
14	-0.5	1.400	5.19	6.90	93.10
18	0.0	1.000	10.71	14.25	85.75
25	0.5	.710	22.95	30.53	69.47
35	1.0	.500	41.86	55.69	44.31
45	1.5	.355	52.87	70.33	29.67
60	2.0	.250	63.86	84.95	15.05
80	2.5	.180	70.99	94.44	5.56
120	3.0	.125	73.25	97.45	2.55
170	3.5	.090	73.61	97.92	2.08
200	3.75	.075	73.66	97.99	2.01
230	4.0	.063	74.41	98.99	1.01
PAN			75.15	99.97	.03

PHI(5): -.77 PHI(16): .05 PHI(25): .33
PHI(50): .89 PHI(75): 1.66 PHI(84): 1.97
PHI(95): 2.59

SIEVE LOSS(g): .02 SILT/CLAY: 2.01%
SKEWNESS: .054 KURTOSIS: 1.035

GRAPHIC METHOD

MEAN (PHI): .95 SORTING: .96
MEAN (mm): .52 MEDIAN (mm): .54

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): .93 SORTING: 1.01
MEAN (mm): .52

DATA FILE NAME: LKVC1-S1.TAB

GRADATION ANALYSIS REPORT
LIDO KEY VIBRACORE JAN. 1995
TESTED BY: MDA ON: 02-27-95

SAMPLE NO.: LKVC-1 S#2
SAMPLE ELEV. (FT. NGVD): -39.50
SAMPLE DEPTH (FT.): -3.50
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SS

DRY SAMPLE WEIGHT (GRAMS): 69.33
SAMPLE WEIGHT AFTER WASH (GRAMS): 61.46

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	.00	.00	100.00
5	-2.0	4.000	4.26	6.14	93.86
7	-1.5	2.800	5.76	8.31	91.69
10	-1.0	2.000	6.68	9.64	90.36
14	-0.5	1.400	8.22	11.86	88.14
18	0.0	1.000	9.83	14.18	85.82
25	0.5	.710	11.75	16.95	83.05
35	1.0	.500	13.65	19.69	80.31
45	1.5	.355	14.64	21.12	78.88
60	2.0	.250	16.46	23.74	76.26
80	2.5	.180	21.96	31.67	68.33
120	3.0	.125	37.30	53.80	46.20
170	3.5	.090	55.26	79.71	20.29
200	3.75	.075	60.74	87.61	12.39
230	4.0	.063	65.29	94.17	5.83
PAN			69.29	99.94	.06

PHI(5): -2.19 PHI(16): .33 PHI(25): 2.08
PHI(50): 2.91 PHI(75): 3.41 PHI(84): 3.64
PHI(95): 4.03

SIEVE LOSS(g): .04 SILT/CLAY: 12.39%
SKEWNESS: -3.983 KURTOSIS: 1.916

GRAPHIC METHOD

MEAN (PHI): 1.74 SORTING: 1.65
MEAN (mm): .30 MEDIAN (mm): .13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.16 SORTING: 1.80
MEAN (mm): .22

DATA FILE NAME: LKVC1-S2.TAB

GRADATION ANALYSIS REPORT
LIDO KEY VIBRACORE JAN. 1995
TESTED BY: MDA ON: 02-27-95

SAMPLE NO.: LKVC-1 S#3
SAMPLE ELEV. (FT. NGVD): -41.0
SAMPLE DEPTH (FT.): -5.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SS

DRY SAMPLE WEIGHT (GRAMS): 71.63
SAMPLE WEIGHT AFTER WASH (GRAMS): 60.33

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	.00	.00	100.00
5	-2.0	4.000	11.52	16.08	83.92
7	-1.5	2.800	17.02	23.76	76.24
10	-1.0	2.000	22.37	31.23	68.77
14	-0.5	1.400	27.36	38.20	61.80
18	0.0	1.000	31.51	43.99	56.01
25	0.5	.710	35.80	49.98	50.02
35	1.0	.500	40.19	56.11	43.89
45	1.5	.355	42.73	59.65	40.35
60	2.0	.250	45.89	64.07	35.93
80	2.5	.180	49.47	69.06	30.94
120	3.0	.125	54.60	76.23	23.77
170	3.5	.090	58.90	82.23	17.77
200	3.75	.075	60.09	83.89	16.11
230	4.0	.063	65.92	92.03	7.97
PAN			71.62	99.99	.01

PHI(5): -2.69 PHI(16): -2.01 PHI(25): -1.42
PHI(50): .50 PHI(75): 2.91 PHI(84): 3.75
PHI(95): 4.09

SIEVE LOSS(g): .01 SILT/CLAY: 16.11%
SKEWNESS: .399 KURTOSIS: .642

GRAPHIC METHOD

MEAN (PHI): .73 SORTING: 2.88
MEAN (mm): .60 MEDIAN (mm): .71

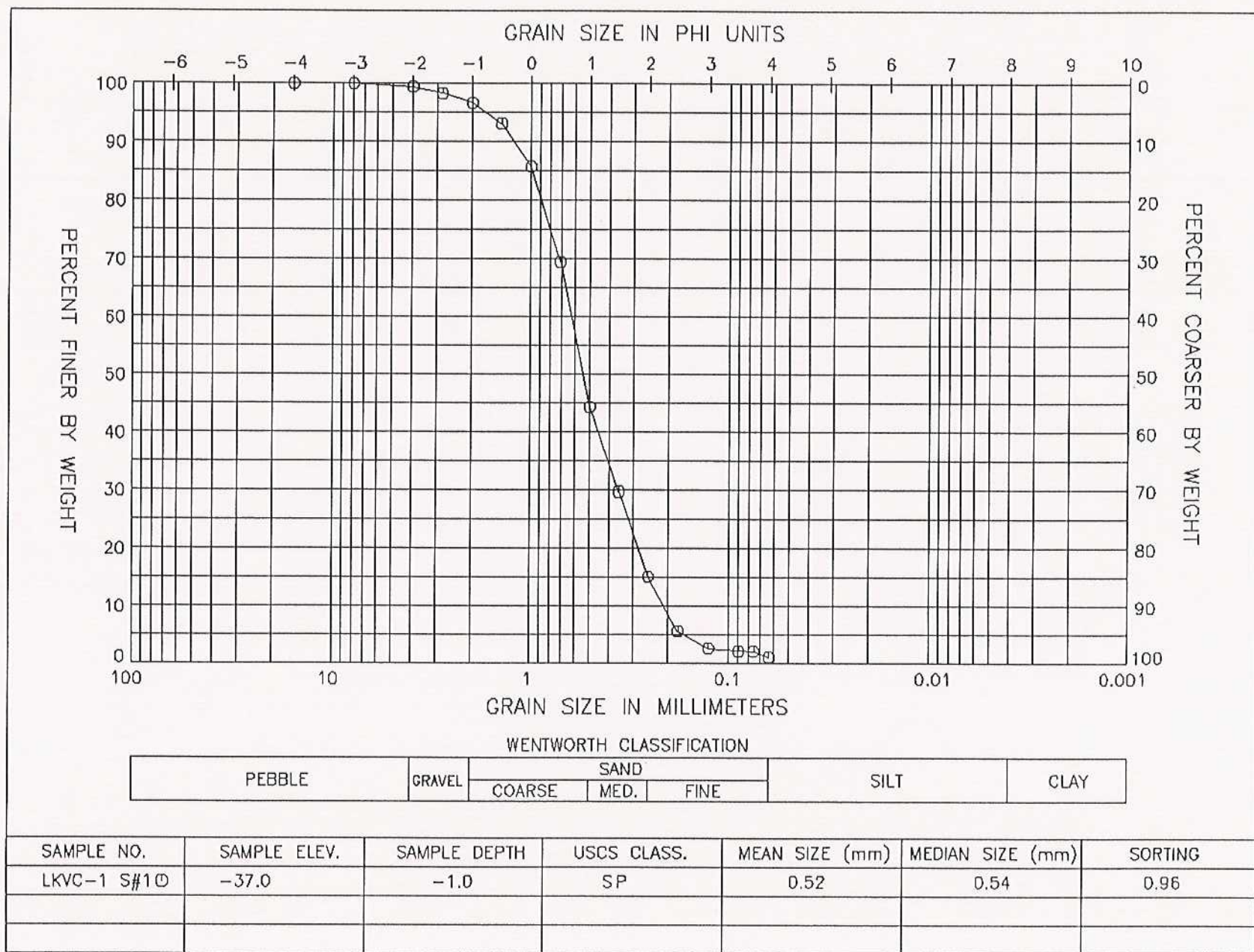
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

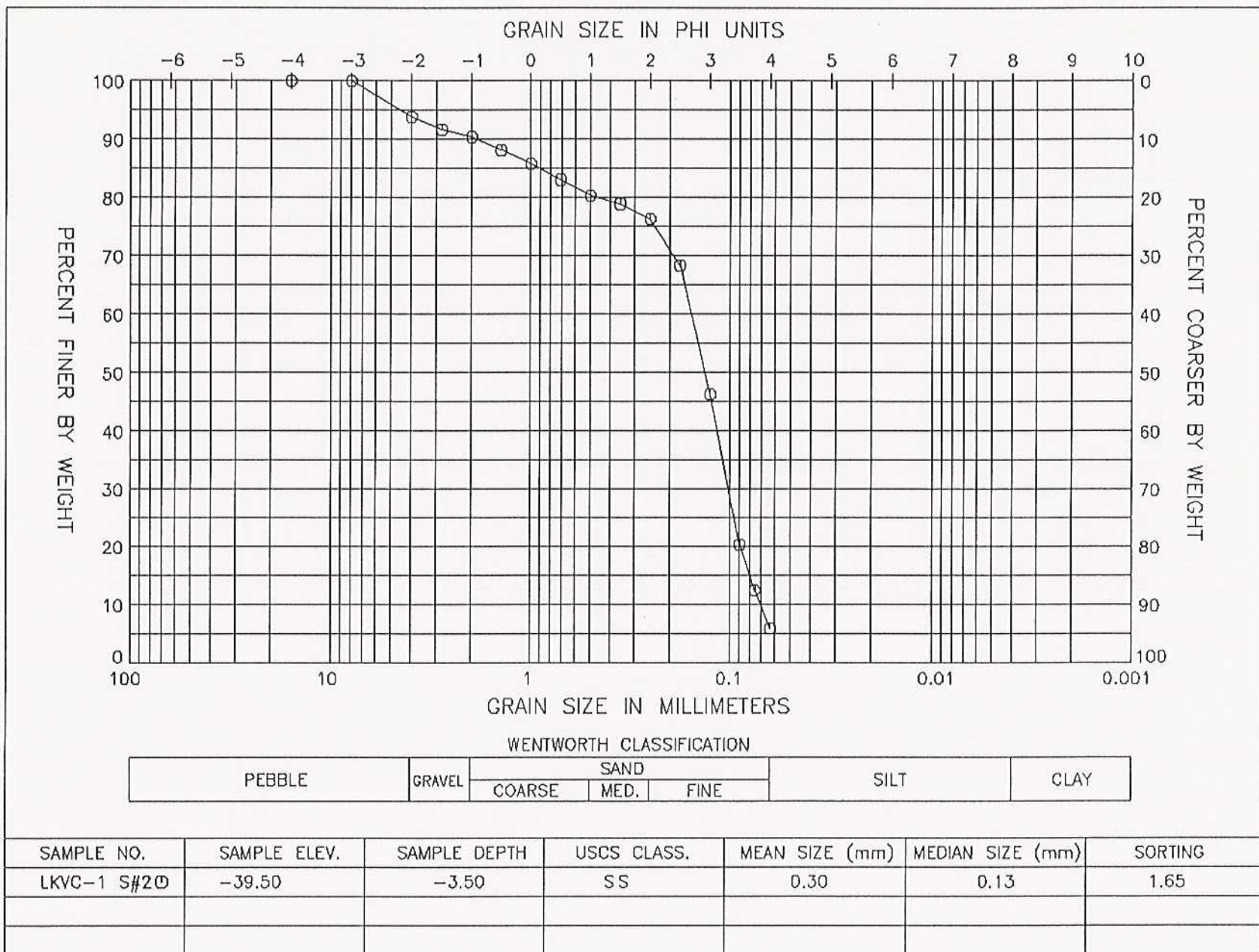
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MEAN (mm): .76

DATA FILE NAME: LKVC1-S3.TAB

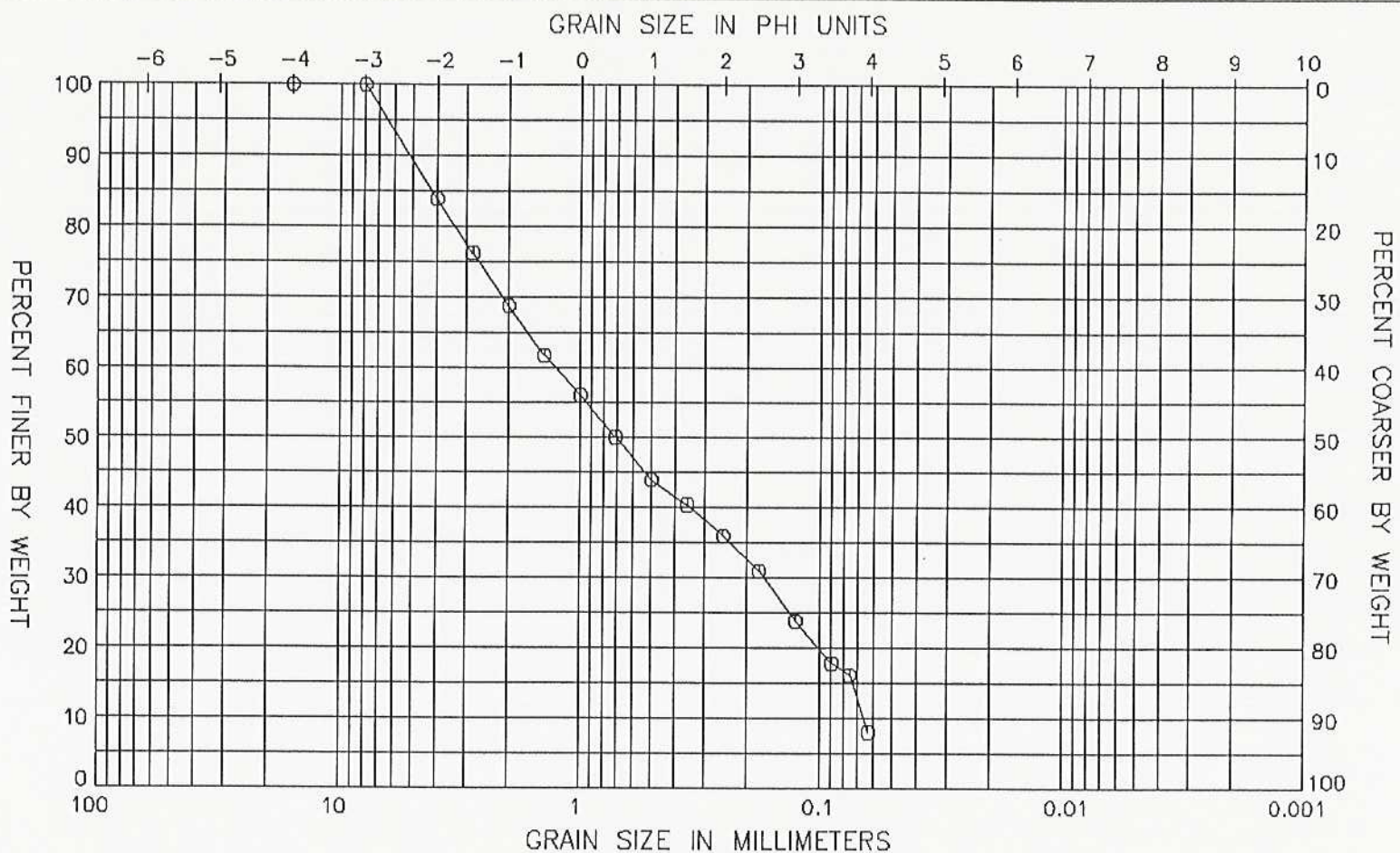
GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VIBRACORE JAN. 1995



GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VIBRACORE JAN. 1995



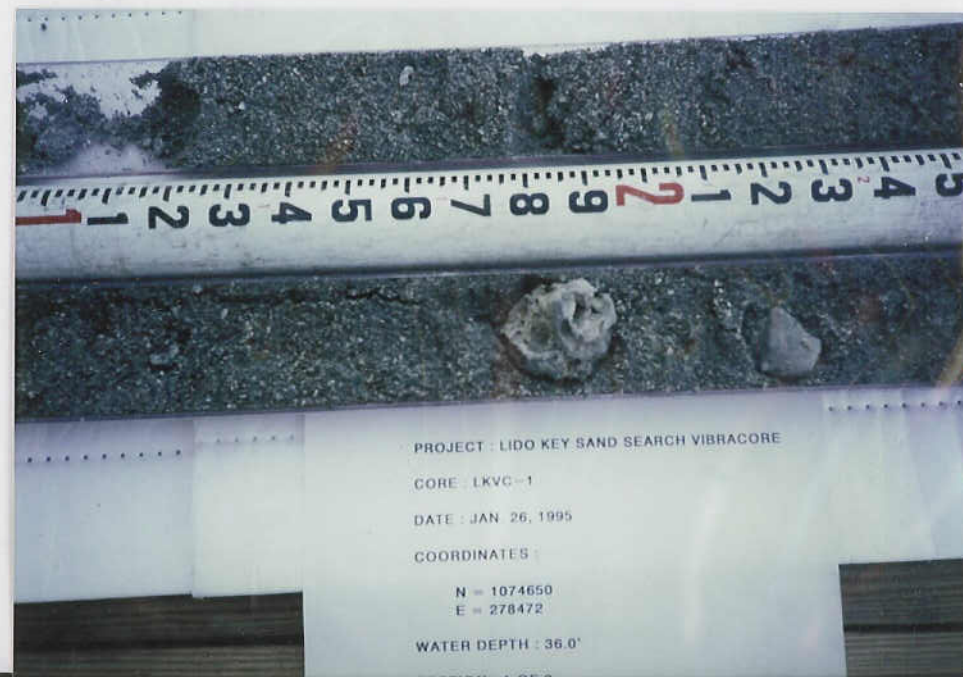
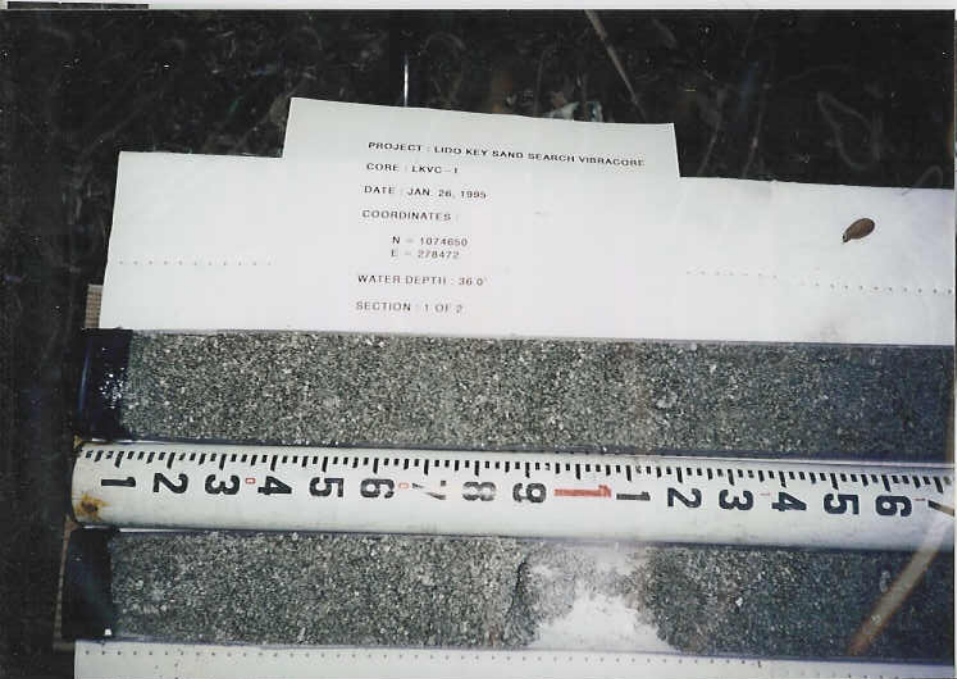
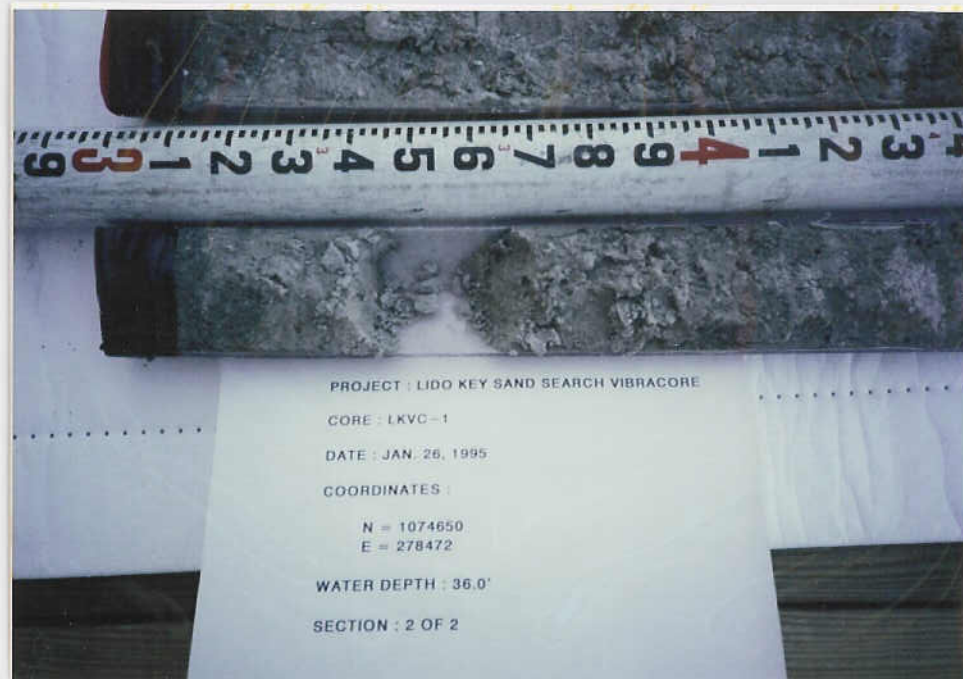
GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VIBRACORE JAN. 1995



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
LKVC-1 S#30	-41.0	-5.0	SS	0.60	0.71	2.88



LKVC-1

LKVC-1

