


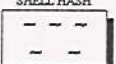
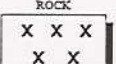


VIBRACORE LOG						
PROJECT: LIDO KEY SAND SEARCH BORROW AREA 1      CORE NO: LKVC - 7						
COORDINATES:	DATE: JAN. 26, 1995	WATER DEPTH: 34.5 Ft. NGVD				
N = 1075691	START TIME: 1550	DRILLER: EXMAR				
E = 279998	END TIME: 1556	CLIENT RE P : M. D. ANDREWS				
CORE DIAMETER: 2.5"	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 12.0'	34.5'	0.0				
PENETRATION DEPTH: 4.5'			~	GRAY (N5), FINE / MEDIUM GRAINED SAND WITH		
LENGTH RECOVERED: 3.6'			~	CALCAROUS SHELL HASH	1	1.02 Phi
LENGTH RETAINED : 3.6'			A	MOLLUSK SHELLS	1.0'	0.49 mm
	36.0'	1.5	~		35.5'	2.3 % SILT (SP)
SUPPORT VESSEL: EXMAR II						
POSITIONING: DGPS MOTOROLA LGT 1000 / USCG BEACON		2.5	A	LT GREENISH GRAY (10Y 7/1) FINE / MEDIUM GRAINED SAND	2	2.72 Phi
			A	MOLLUSK SHELLS	2.5'	0.15 mm
WEATHER:					37.0	12.9 % SILT (SS)
WIND:		38.1'	3.6			
DIR: NORTH SPEED: 10 - 15 Kt						
WAVES:		39.0'	4.5	NOT RECOVERED		
DIR: NW HEIGHT: 1 - 2 Ft.			5.0	X X X X X		
CURRENT:						
DIR: SOUTH SPEED: MODERATE						
ANALYSIS BY : MDA						
ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE		7.5				
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>SAND</p>  </div> <div style="text-align: center;"> <p>SHELLS</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>ROCK FRAG.</p>  </div> <div style="text-align: center;"> <p>SHELL HASH</p>  </div> </div> <div style="text-align: center; margin-top: 10px;"> <p>ROCK</p>  </div>						
		10.0				

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD  
 NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927  
 NOTE : CORE WEIGHTED COMPOSITE 0.25 mm

COASTAL PLANNING & ENGINEERING, INC

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

SAMPLE NO.: LKVC-7 S#1  
SAMPLE ELEV. (FT. NGVD): -35.5  
SAMPLE DEPTH (FT.): -1.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 60.32  
SAMPLE WEIGHT AFTER WASH (GRAMS): 58.94

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	.00	.00	100.00
7	-1.5	2.800	.35	.58	99.42
10	-1.0	2.000	1.33	2.20	97.80
14	-0.5	1.400	3.23	5.35	94.65
18	0.0	1.000	7.12	11.80	88.20
25	0.5	.710	17.24	28.58	71.42
35	1.0	.500	33.10	54.87	45.13
45	1.5	.355	42.33	70.18	29.82
60	2.0	.250	49.65	82.31	17.69
80	2.5	.180	54.84	90.92	9.08
120	3.0	.125	58.10	96.32	3.68
170	3.5	.090	58.83	97.53	2.47
200	3.75	.075	58.92	97.68	2.32
230	4.0	.063	59.62	98.84	1.16
PAN			60.32	100.00	.00

PHI(5): -.56      PHI(16): .13      PHI(25): .39  
PHI(50): .91      PHI(75): 1.70      PHI(84): 2.10  
PHI(95): 2.88

SIEVE LOSS(g): .00      SILT/CLAY: 2.32%  
SKEWNESS: .507      KURTOSIS: 1.078

GRAPHIC METHOD  
MEAN (PHI): 1.09      SORTING: .99  
MEAN (mm): .47      MEDIAN (mm): .53  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD  
MEAN (PHI): 1.02      SORTING: 1.00  
MEAN (mm): .49

DATA FILE NAME: LKVC7-S1.TAB

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

SAMPLE NO.: LKVC-7 S#2  
SAMPLE ELEV. (FT. NGVD): -37.0  
SAMPLE DEPTH (FT.): -2.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SS

DRY SAMPLE WEIGHT (GRAMS): 68.71  
SAMPLE WEIGHT AFTER WASH (GRAMS): 60.68

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	.39	.57	99.43
7	-1.5	2.800	.96	1.40	98.60
10	-1.0	2.000	1.28	1.86	98.14
14	-0.5	1.400	1.94	2.82	97.18
18	0.0	1.000	2.51	3.65	96.35
25	0.5	.710	3.52	5.12	94.88
35	1.0	.500	4.85	7.06	92.94
45	1.5	.355	5.93	8.63	91.37
60	2.0	.250	8.27	12.04	87.96
80	2.5	.180	15.20	22.12	77.88
120	3.0	.125	33.82	49.22	50.78
170	3.5	.090	54.26	78.97	21.03
200	3.75	.075	59.85	87.11	12.89
230	4.0	.063	64.54	93.92	6.08
PAN			68.64	99.90	.10

PHI(5): .46 PHI(16): 2.20 PHI(25): 2.55  
PHI(50): 3.01 PHI(75): 3.43 PHI(84): 3.65  
PHI(95): 4.04

SIEVE LOSS(g): .07 SILT/CLAY: 12.89%  
SKEWNESS: -1.529 KURTOSIS: 1.668

GRAPHIC METHOD

MEAN (PHI): 2.67 SORTING: .73  
MEAN (mm): .16 MEDIAN (mm): .12  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

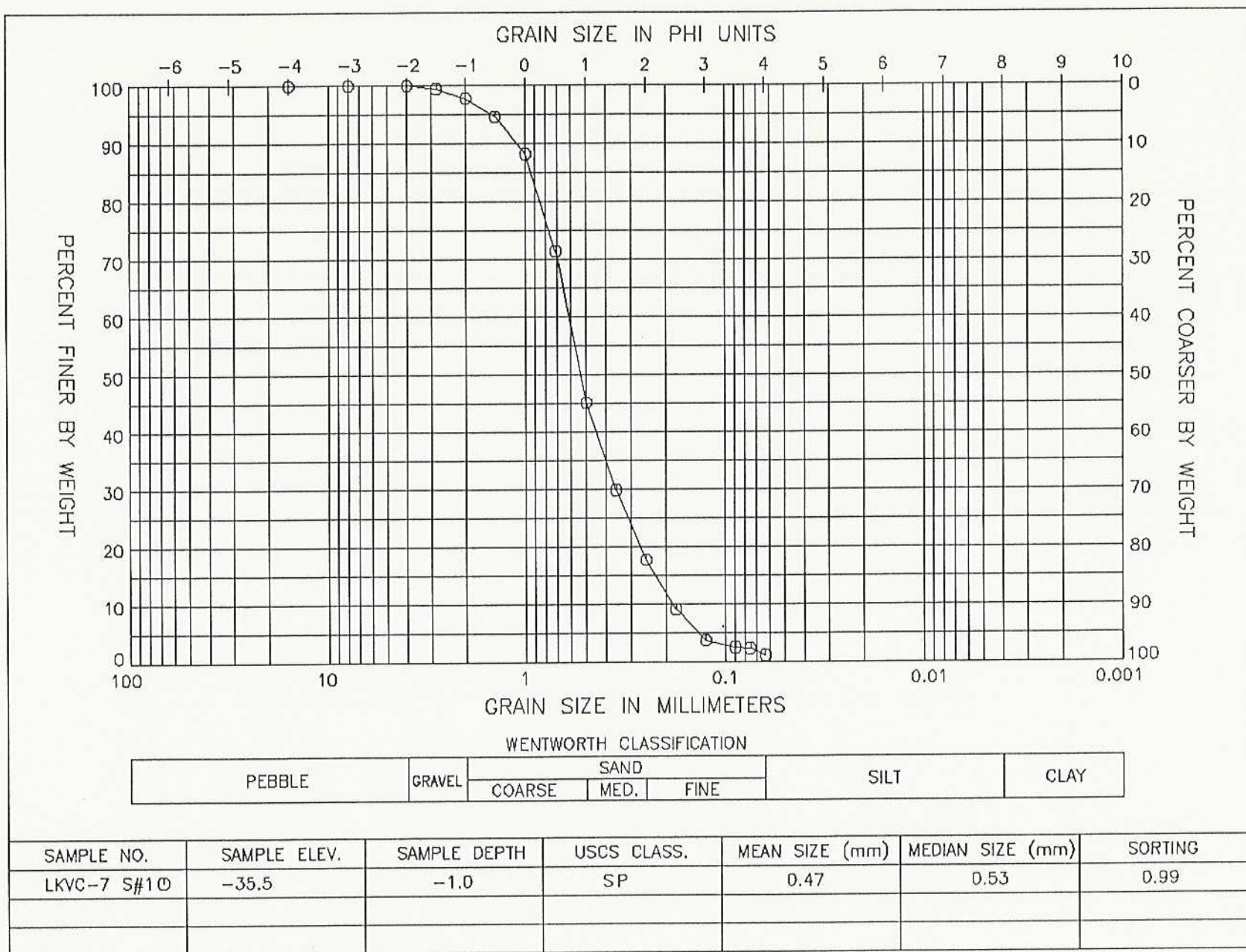
MOMENT METHOD

MEAN (PHI): 2.72 SORTING: 1.07  
MEAN (mm): .15

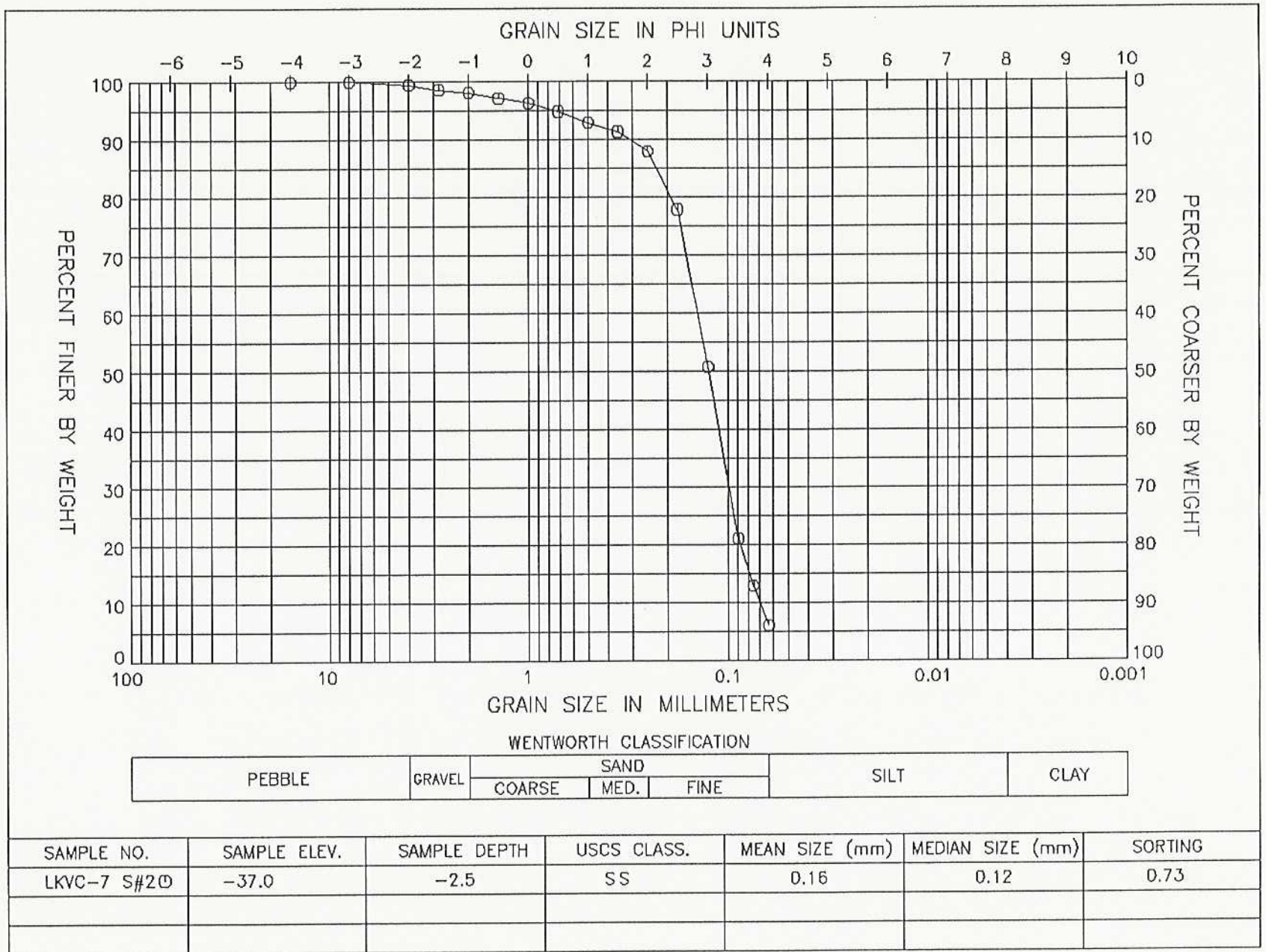
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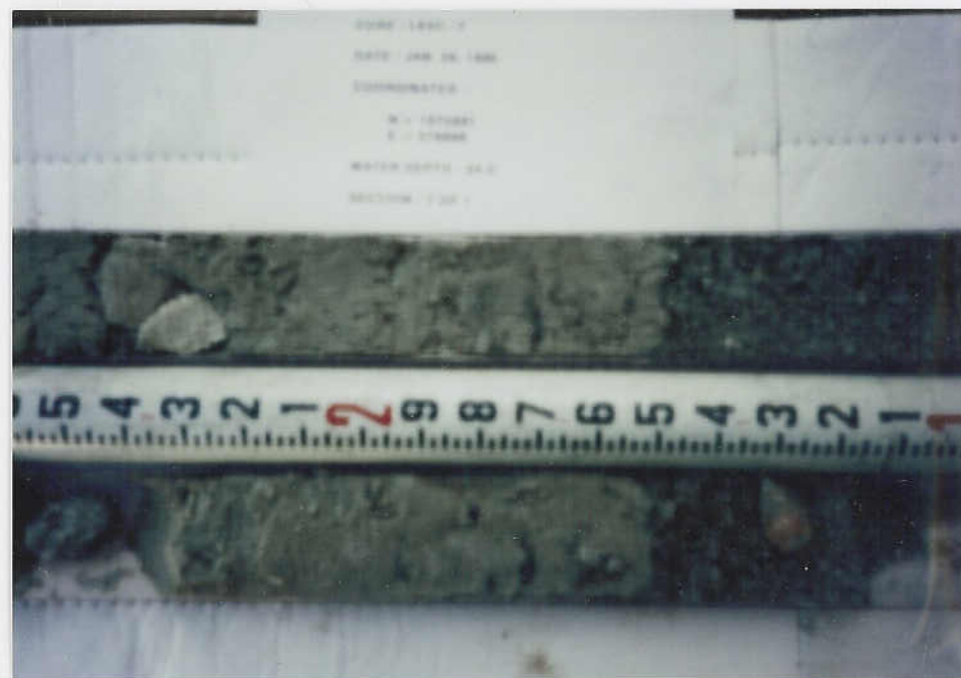
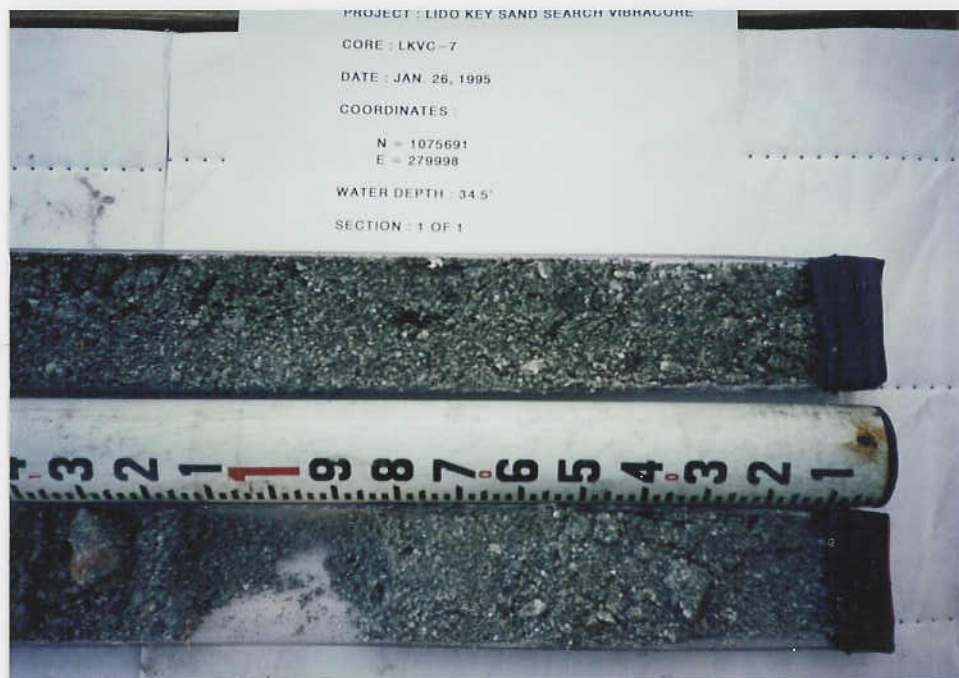
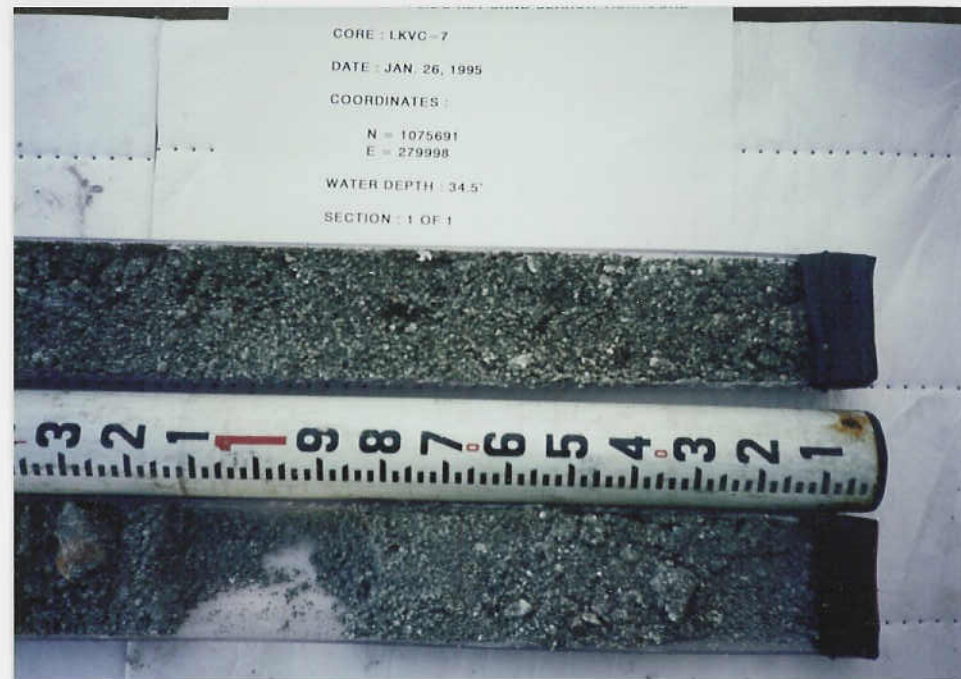
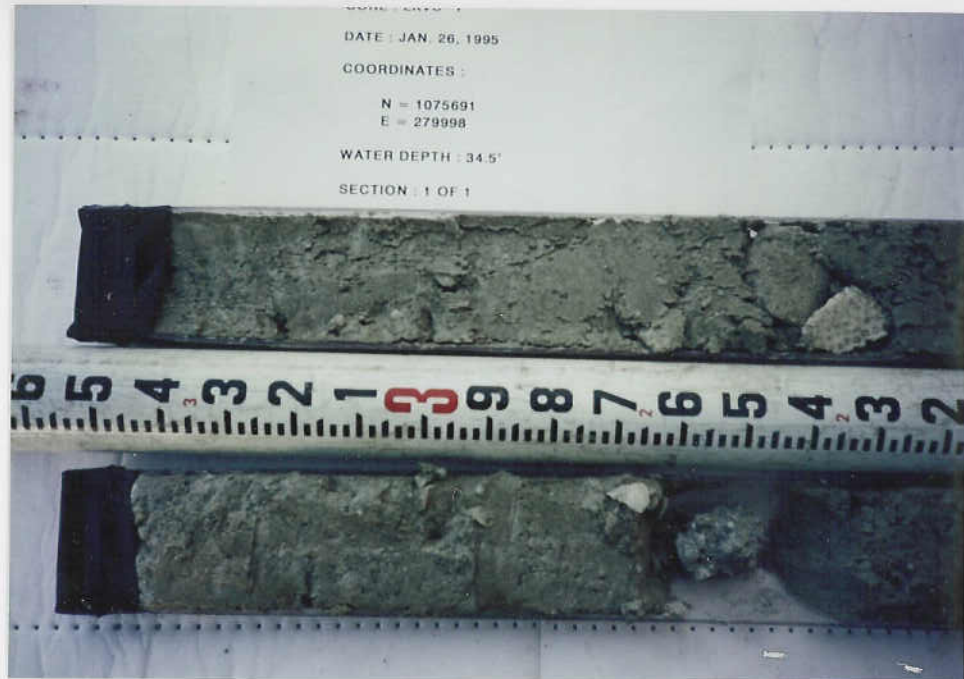
GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VIBRACORE JAN. 1995



GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VIBRACORE JAN. 1995







LKVC-7