

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-11

SAMPLE ELEV. (FT. NGVD): -38.1

SAMPLE DEPTH (FT.): 1.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.21

SAMPLE WEIGHT AFTER WASH (GRAMS): 96.66

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	1.26	1.27	98.73
7	-1.50	2.800	2.72	2.74	97.26
10	-1.00	2.000	4.65	4.69	95.31
14	-0.50	1.400	7.51	7.57	92.43
18	0.00	1.000	12.34	12.44	87.56
25	0.50	0.710	25.59	25.79	74.21
35	1.00	0.500	48.70	49.09	50.91
45	1.50	0.355	67.44	67.98	32.02
60	2.00	0.250	84.03	84.70	15.30
80	2.50	0.180	91.12	91.85	8.15
120	3.00	0.125	95.17	95.93	4.07
170	3.50	0.090	96.45	97.22	2.78
200	3.75	0.075	96.65	97.42	2.58
230	4.00	0.063	97.93	98.71	1.29
PAN			99.21	100.00	0.00

PHI (5): -0.95

PHI (16): 0.13

PHI (25): 0.47

PHI (50): 1.02

PHI (75): 1.71

PHI (84): 1.98

PHI (95): 2.89

SIEVE LOSS(g): 0.00

SILT/CLAY: 2.58%

SKEWNESS: -0.058

KURTOSIS: 1.267

GRAPHIC METHOD

MEAN (PHI): 1.02

SORTING: 0.92

MEAN (mm): 0.49

MEDIAN (mm): 0.49

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.01

SORTING: 1.08

MEAN (mm): 0.50

DATA FILE NAME: LK-00-11 S#1.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-11

SAMPLE ELEV. (FT. NGVD): -40.6

SAMPLE DEPTH (FT.): 3.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 98.16

SAMPLE WEIGHT AFTER WASH (GRAMS): 81.99

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.89	0.91	99.09
10	-1.00	2.000	1.17	1.19	98.81
14	-0.50	1.400	1.56	1.59	98.41
18	0.00	1.000	1.98	2.02	97.98
25	0.50	0.710	2.57	2.62	97.38
35	1.00	0.500	3.44	3.50	96.50
45	1.50	0.355	7.39	7.53	92.47
60	2.00	0.250	12.87	13.11	86.89
80	2.50	0.180	31.44	32.03	67.97
120	3.00	0.125	48.50	49.41	50.59
170	3.50	0.090	65.97	67.21	32.79
200	3.75	0.075	77.77	79.23	20.77
230	4.00	0.063	89.51	91.18	8.82
PAN			98.16	100.00	0.00

PHI (5): 1.19

PHI (16): 2.08

PHI (25): 2.31

PHI (50): 3.02

PHI (75): 3.66

PHI (84): 3.85

PHI (95): 4.08

SIEVE LOSS (g): 0.00

SILT/CLAY: 20.77%

SKEWNESS: -0.433

KURTOSIS: 0.880

GRAPHIC METHOD

MEAN (PHI): 2.84

SORTING: 0.89

MEAN (mm): 0.14

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.76

SORTING: 0.98

MEAN (mm): 0.15

DATA FILE NAME: LK-00-11 S#2.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-11

SAMPLE ELEV. (FT. NGVD): -42.9

SAMPLE DEPTH (FT.): 5.8

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 97.46

SAMPLE WEIGHT AFTER WASH (GRAMS): 82.14

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.10	0.10	99.90
10	-1.00	2.000	0.33	0.34	99.66
14	-0.50	1.400	1.58	1.62	98.38
18	0.00	1.000	2.40	2.46	97.54
25	0.50	0.710	3.62	3.71	96.29
35	1.00	0.500	5.37	5.51	94.49
45	1.50	0.355	7.38	7.57	92.43
60	2.00	0.250	11.23	11.52	88.48
80	2.50	0.180	19.93	20.45	79.55
120	3.00	0.125	41.75	42.84	57.16
170	3.50	0.090	68.25	70.03	29.97
200	3.75	0.075	78.29	80.33	19.67
230	4.00	0.063	88.68	90.99	9.01
PAN			97.45	99.99	0.01

PHI (5): 0.86

PHI (16): 2.25

PHI (25): 2.60

PHI (50): 3.13

PHI (75): 3.62

PHI (84): 3.84

PHI (95): 4.09

SIEVE LOSS(g): 0.01

SILT/CLAY: 19.67%

SKEWNESS: -0.827

KURTOSIS: 1.301

GRAPHIC METHOD

MEAN (PHI): 2.83

SORTING: 0.79

MEAN (mm): 0.14

MEDIAN (mm): 0.11

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

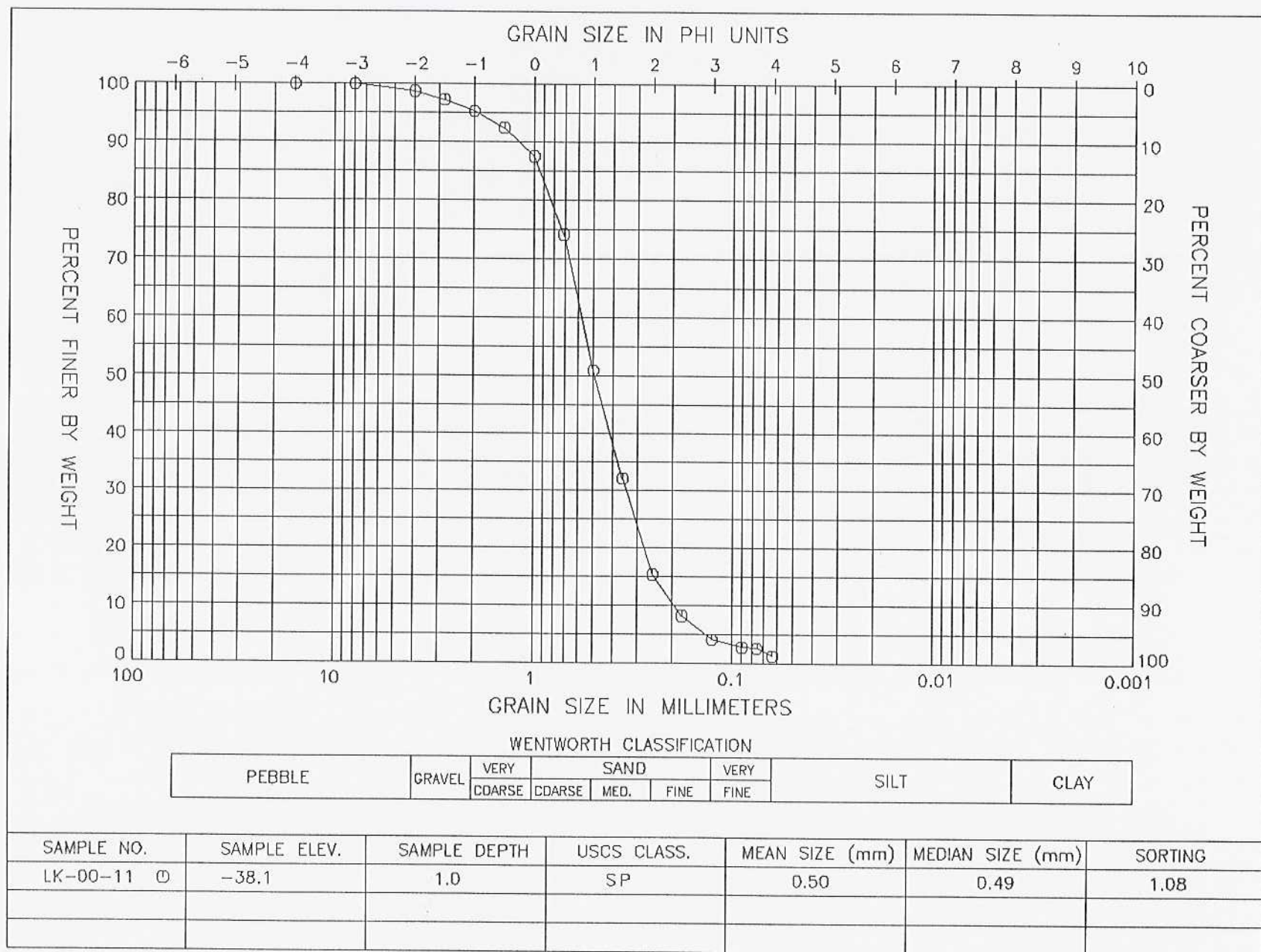
MEAN (PHI): 2.84

SORTING: 0.95

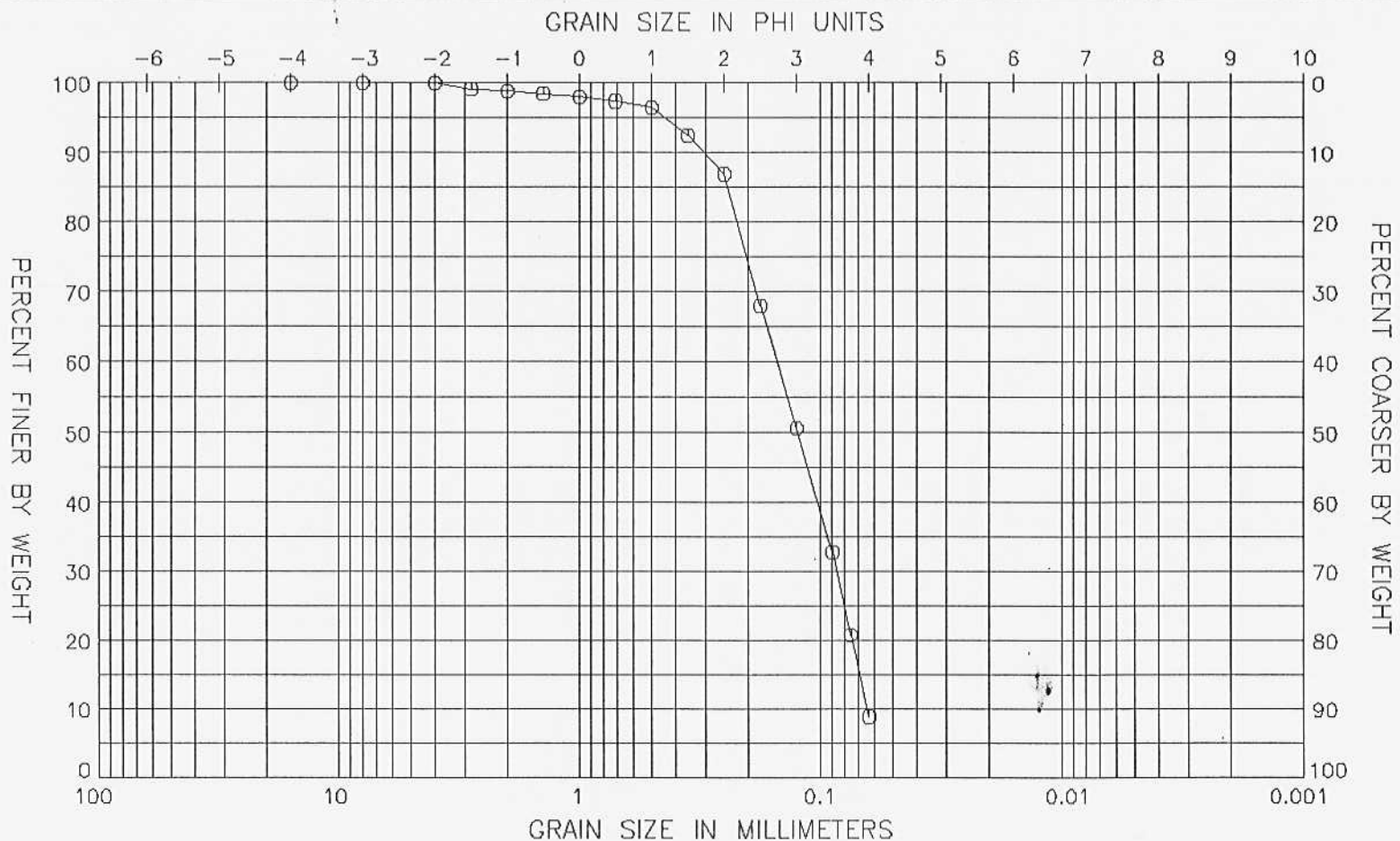
MEAN (mm): 0.14

DATA FILE NAME: LK-00-11 S#3.TAB

GRAIN SIZE DISTRIBUTION CURVE LIDO KEY VC 2000



GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	VERY	SAND			VERY	SILT	CLAY
		COARSE	COARSE	MED.	FINE	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
LK-00-11 O	-40.6	3.5	SP-SM	0.15	0.12	0.98

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

