

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-14
SAMPLE ELEV. (FT. NGVD): -45.8
SAMPLE DEPTH (FT.): 1.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.39
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.62

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	0.62	0.62	99.38
5	-2.00	4.000	2.84	2.86	97.14
7	-1.50	2.800	5.62	5.65	94.35
10	-1.00	2.000	10.00	10.06	89.94
14	-0.50	1.400	15.20	15.29	84.71
18	0.00	1.000	21.26	21.39	78.61
25	0.50	0.710	30.44	30.63	69.37
35	1.00	0.500	49.89	50.20	49.80
45	1.50	0.355	71.96	72.40	27.60
60	2.00	0.250	85.81	86.34	13.66
80	2.50	0.180	91.67	92.23	7.77
120	3.00	0.125	95.78	96.37	3.63
170	3.50	0.090	97.28	97.88	2.12
200	3.75	0.075	97.51	98.11	1.89
230	4.00	0.063	98.43	99.04	0.96
PAN			99.37	99.98	0.02

PHI (5): -1.62 PHI (16): -0.44 PHI (25): 0.20
PHI (50): 0.99 PHI (75): 1.59 PHI (84): 1.92
PHI (95): 2.83

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.89%
SKEWNESS: -0.328 KURTOSIS: 1.305

GRAPHIC METHOD

MEAN (PHI): 0.74 SORTING: 1.18
MEAN (mm): 0.60 MEDIAN (mm): 0.50
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.80 SORTING: 1.27
MEAN (mm): 0.57

DATA FILE NAME: LK-00-14 S#1.TAB

GRADATION ANALYSIS REPORT
LIDO KEY VC 2000
TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-14
SAMPLE ELEV. (FT. NGVD): -49.3
SAMPLE DEPTH (FT.): 5.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.75
SAMPLE WEIGHT AFTER WASH (GRAMS): 72.76

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	0.76	0.76	99.24
7	-1.50	2.800	1.21	1.21	98.79
10	-1.00	2.000	1.73	1.73	98.27
14	-0.50	1.400	2.36	2.37	97.63
18	0.00	1.000	2.99	3.00	97.00
25	0.50	0.710	4.03	4.04	95.96
35	1.00	0.500	5.42	5.43	94.57
45	1.50	0.355	7.05	7.07	92.93
60	2.00	0.250	10.51	10.54	89.46
80	2.50	0.180	15.12	15.16	84.84
120	3.00	0.125	34.22	34.31	65.69
170	3.50	0.090	61.82	61.97	38.03
200	3.75	0.075	69.92	70.10	29.90
230	4.00	0.063	85.62	85.83	14.17
PAN			99.75	100.00	0.00

PHI (5): 0.84 PHI (16): 2.52 PHI (25): 2.76
PHI (50): 3.28 PHI (75): 3.83 PHI (84): 3.97
PHI (95): 4.15

SIEVE LOSS (g): 0.00 SILT/CLAY: 29.90%
SKEWNESS: -1.088 KURTOSIS: 1.263

GRAPHIC METHOD

MEAN (PHI): 2.95 SORTING: 0.72
MEAN (mm): 0.13 MEDIAN (mm): 0.10
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.90 SORTING: 1.10
MEAN (mm): 0.13

DATA FILE NAME: LK-00-14 S#2.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-14

SAMPLE ELEV. (FT. NGVD): -52.3

SAMPLE DEPTH (FT.): 8.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 97.43

SAMPLE WEIGHT AFTER WASH (GRAMS): 60.87

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	0.33	0.34	99.66
7	-1.50	2.800	0.88	0.90	99.10
10	-1.00	2.000	1.53	1.57	98.43
14	-0.50	1.400	2.38	2.44	97.56
18	0.00	1.000	3.21	3.29	96.71
25	0.50	0.710	4.68	4.80	95.20
35	1.00	0.500	6.79	6.97	93.03
45	1.50	0.355	8.63	8.86	91.14
60	2.00	0.250	12.21	12.53	87.47
80	2.50	0.180	16.65	17.09	82.91
120	3.00	0.125	27.16	27.88	72.12
170	3.50	0.090	43.51	44.66	55.34
200	3.75	0.075	53.44	54.85	45.15
230	4.00	0.063	77.76	79.81	20.19
PAN			97.41	99.98	0.02

PHI (5): 0.55

PHI (16): 2.38

PHI (25): 2.87

PHI (50): 3.63

PHI (75): 3.95

PHI (84): 4.04

PHI (95): 4.15

SIEVE LOSS(g): 0.02

SILT/CLAY: 45.15%

SKEWNESS: -1.544

KURTOSIS: 1.362

GRAPHIC METHOD

MEAN (PHI): 2.95

SORTING: 0.83

MEAN (mm): 0.13

MEDIAN (mm): 0.08

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

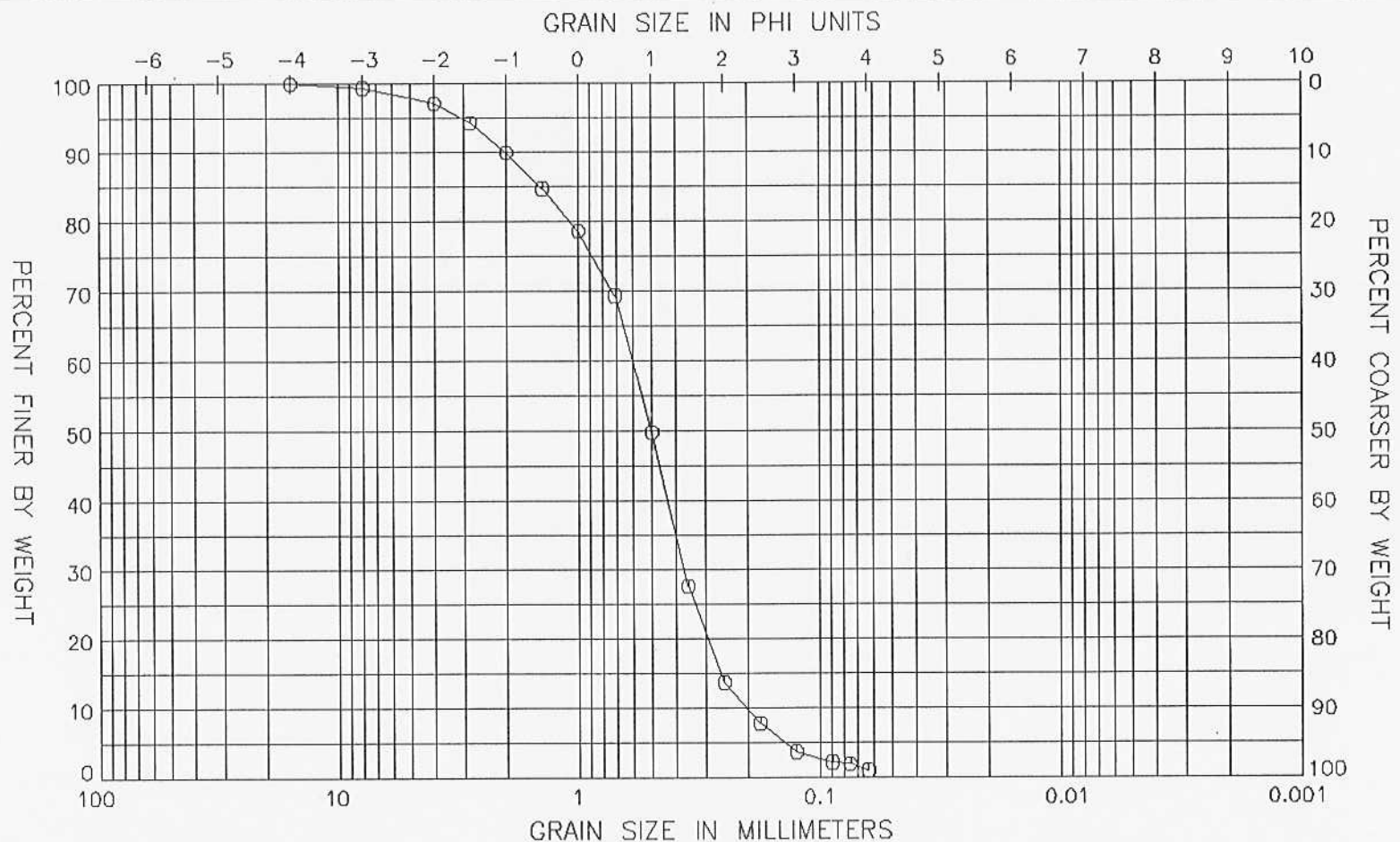
MEAN (PHI): 2.95

SORTING: 1.21

MEAN (mm): 0.13

DATA FILE NAME: LK-00-14 S#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

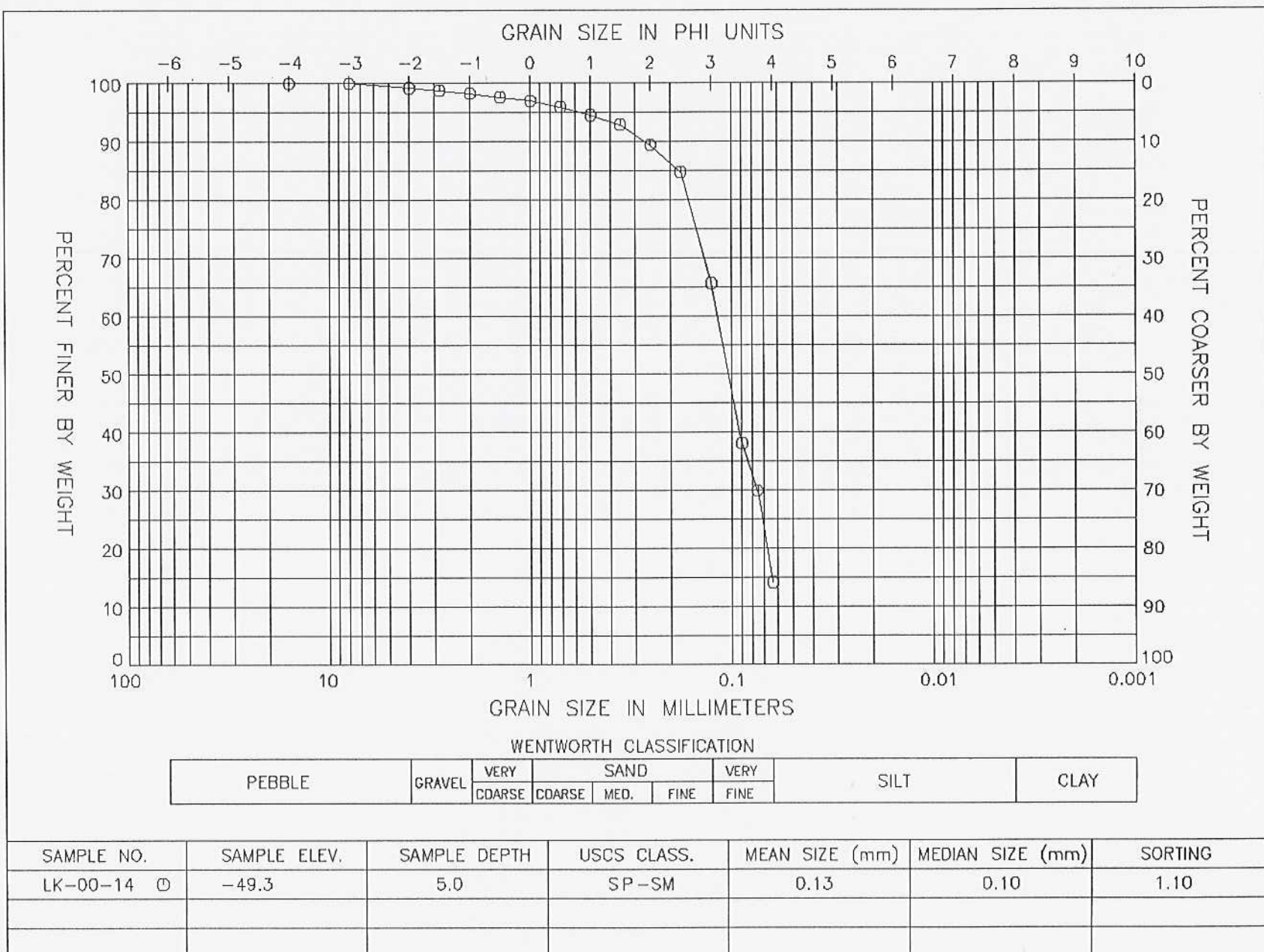


WENTWORTH CLASSIFICATION

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-00-14 ①	-45.8	1.5	SP	0.57	0.50	1.27

GRAIN SIZE DISTRIBUTION CURVE LIDO KEY VC 2000



GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

