

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

SAMPLE NO.: LK-00-15
SAMPLE ELEV. (FT. NGVD): -45.5
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 97.81
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.14

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	0.49	0.50	99.50
10	-1.00	2.000	1.46	1.49	98.51
14	-0.50	1.400	3.31	3.38	96.62
18	0.00	1.000	7.97	8.15	91.85
25	0.50	0.710	19.39	19.82	80.18
35	1.00	0.500	44.07	45.06	54.94
45	1.50	0.355	65.10	66.56	33.44
60	2.00	0.250	84.22	86.11	13.89
80	2.50	0.180	91.69	93.74	6.26
120	3.00	0.125	94.55	96.67	3.33
170	3.50	0.090	95.07	97.20	2.80
200	3.75	0.075	95.13	97.26	2.74
230	4.00	0.063	96.47	98.64	1.36
PAN			97.81	100.00	0.00

PHI (5): -0.33 PHI (16): 0.34 PHI (25): 0.60
PHI (50): 1.11 PHI (75): 1.72 PHI (84): 1.95
PHI (95): 2.71

SIEVE LOSS (g): 0.00 SILT/CLAY: 2.74%
SKEWNESS: 0.096 KURTOSIS: 1.121

GRAPHIC METHOD

MEAN (PHI): 1.16 SORTING: 0.80
MEAN (mm): 0.45 MEDIAN (mm): 0.46
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.12 SORTING: 0.88
MEAN (mm): 0.46

DATA FILE NAME: LK-00-15 S#1.TAB

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

SAMPLE NO.: LK-00-15
SAMPLE ELEV. (FT. NGVD): -50.0
SAMPLE DEPTH (FT.): 7.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.24
SAMPLE WEIGHT AFTER WASH (GRAMS): 71.50

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	6.02	6.07	93.93
7	-1.50	2.800	6.85	6.90	93.10
10	-1.00	2.000	7.77	7.83	92.17
14	-0.50	1.400	8.69	8.76	91.24
18	0.00	1.000	9.66	9.73	90.27
25	0.50	0.710	10.96	11.04	88.96
35	1.00	0.500	13.16	13.26	86.74
45	1.50	0.355	16.13	16.25	83.75
60	2.00	0.250	20.69	20.85	79.15
80	2.50	0.180	25.39	25.58	74.42
120	3.00	0.125	35.30	35.57	64.43
170	3.50	0.090	51.82	52.22	47.78
200	3.75	0.075	62.55	63.03	36.97
230	4.00	0.063	83.02	83.66	16.34
PAN			99.12	99.88	0.12

PHI (5): -2.18 PHI (16): 1.46 PHI (25): 2.44
PHI (50): 3.43 PHI (75): 3.90 PHI (84): 4.00
PHI (95): 4.14

SIEVE LOSS (g): 0.12 SILT/CLAY: 36.97%
SKEWNESS: -1.926 KURTOSIS: 1.776

GRAPHIC METHOD

MEAN (PHI): 2.17 SORTING: 1.27
MEAN (mm): 0.22 MEDIAN (mm): 0.09
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.47 SORTING: 1.83
MEAN (mm): 0.18

DATA FILE NAME: LK-00-15 S#2.TAB

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

SAMPLE NO.: LK-00-15
SAMPLE ELEV. (FT. NGVD): -51.5
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 98.57
SAMPLE WEIGHT AFTER WASH (GRAMS): 63.02

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	1.38	1.40	98.60
7	-1.50	2.800	1.97	2.00	98.00
10	-1.00	2.000	2.64	2.68	97.32
14	-0.50	1.400	3.53	3.58	96.42
18	0.00	1.000	5.17	5.25	94.75
25	0.50	0.710	7.68	7.79	92.21
35	1.00	0.500	11.47	11.64	88.36
45	1.50	0.355	15.86	16.09	83.91
60	2.00	0.250	21.43	21.74	78.26
80	2.50	0.180	28.23	28.64	71.36
120	3.00	0.125	42.05	42.66	57.34
170	3.50	0.090	55.95	56.76	43.24
200	3.75	0.075	61.07	61.96	38.04
230	4.00	0.063	80.36	81.53	18.47
PAN			98.54	99.97	0.03

PHI (5): -0.07	PHI (16): 1.49	PHI (25): 2.24
PHI (50): 3.26	PHI (75): 3.92	PHI (84): 4.03
PHI (95): 4.17		

SIEVE LOSS (g): 0.03	SILT/CLAY: 38.04%
SKEWNESS: -0.953	KURTOSIS: 1.035

GRAPHIC METHOD

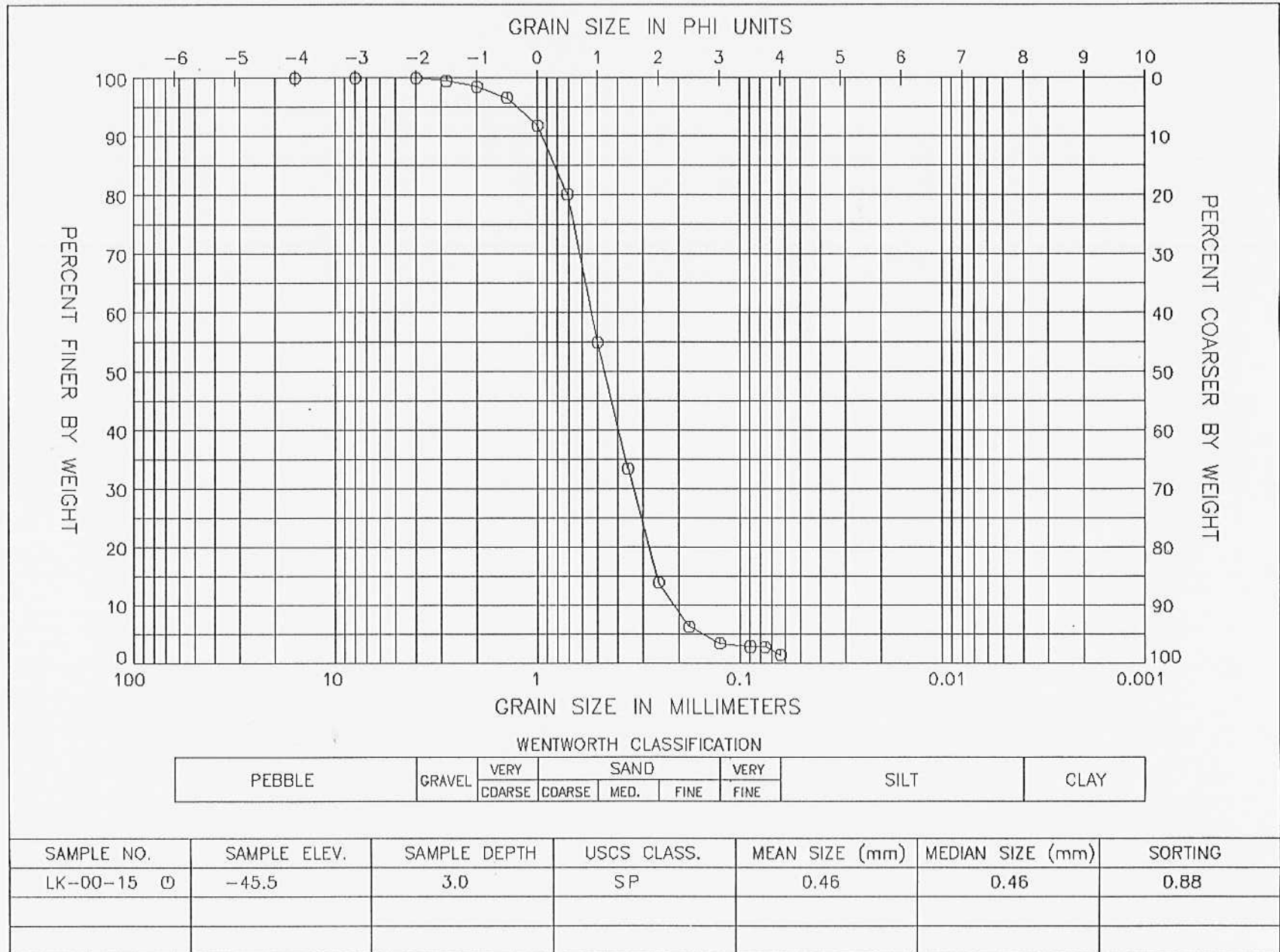
MEAN (PHI): 2.58	SORTING: 1.27
MEAN (mm): 0.17	MEDIAN (mm): 0.10
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

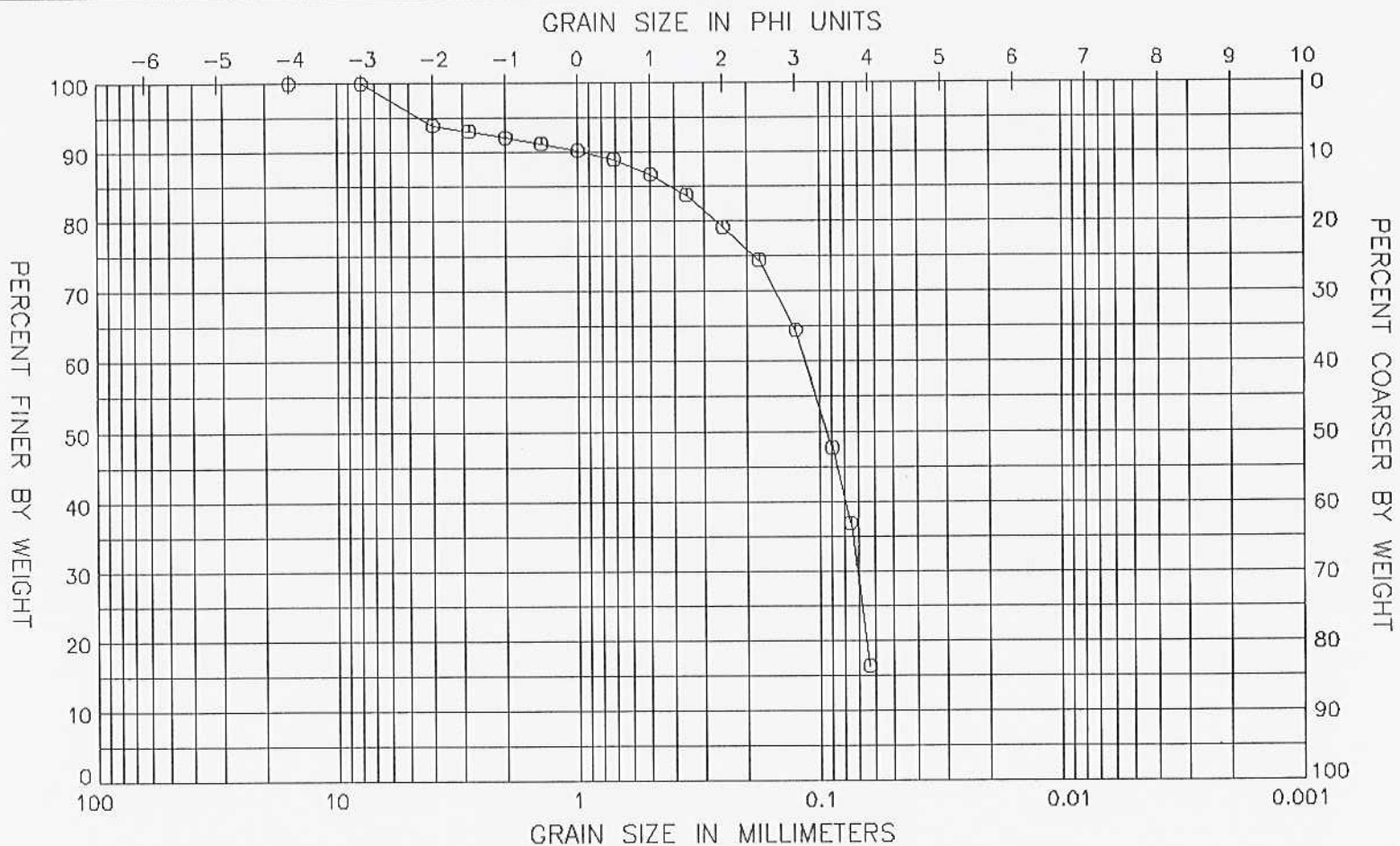
MEAN (PHI): 2.54	SORTING: 1.42
MEAN (mm): 0.17	

DATA FILE NAME: LK-00-15 S#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000



GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

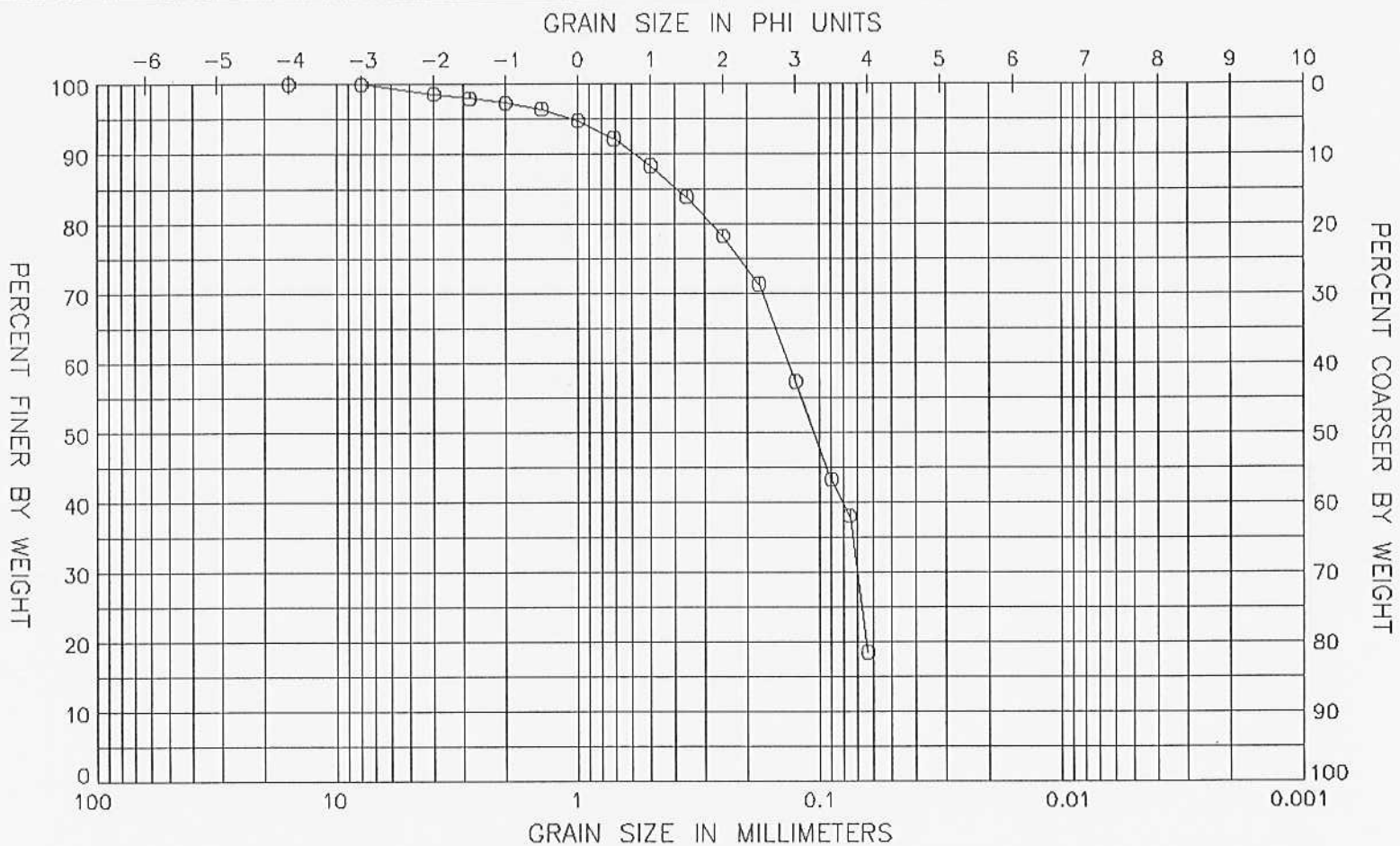


WENTWORTH CLASSIFICATION

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-00-15	-50.0	7.5	SP-SM	0.18	0.09	1.83

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-00-15 ☉	-51.5	9.0	SP-SM	0.17	0.10	1.42