

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

SAMPLE NO.: LK-00-21
SAMPLE ELEV. (FT. NGVD): -38.0
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.38
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.87

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	0.51	0.52	99.48
7	-1.50	2.800	0.99	1.01	98.99
10	-1.00	2.000	1.95	1.98	98.02
14	-0.50	1.400	3.79	3.85	96.15
18	0.00	1.000	7.48	7.60	92.40
25	0.50	0.710	19.32	19.64	80.36
35	1.00	0.500	44.48	45.21	54.79
45	1.50	0.355	66.03	67.12	32.88
60	2.00	0.250	82.91	84.28	15.72
80	2.50	0.180	90.89	92.39	7.61
120	3.00	0.125	94.84	96.40	3.60
170	3.50	0.090	96.50	98.09	1.91
200	3.75	0.075	96.73	98.32	1.68
230	4.00	0.063	97.53	99.14	0.86
PAN			98.36	99.98	0.02

PHI (5): -0.35 PHI (16): 0.35 PHI (25): 0.60
PHI (50): 1.11 PHI (75): 1.73 PHI (84): 1.99
PHI (95): 2.83

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.68%
SKEWNESS: 0.158 KURTOSIS: 1.156

GRAPHIC METHOD

MEAN (PHI): 1.19 SORTING: 0.82
MEAN (mm): 0.44 MEDIAN (mm): 0.46
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.14 SORTING: 0.93
MEAN (mm): 0.45

DATA FILE NAME: LK-00-21 S#1.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-21

SAMPLE ELEV. (FT. NGVD): -41.0

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.60

SAMPLE WEIGHT AFTER WASH (GRAMS): 88.06

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	0.15	0.15	99.85
10	-1.00	2.000	0.41	0.41	99.59
14	-0.50	1.400	0.69	0.69	99.31
18	0.00	1.000	1.09	1.09	98.91
25	0.50	0.710	1.73	1.74	98.26
35	1.00	0.500	2.64	2.65	97.35
45	1.50	0.355	3.89	3.91	96.09
60	2.00	0.250	6.84	6.87	93.13
80	2.50	0.180	13.20	13.25	86.75
120	3.00	0.125	45.08	45.26	54.74
170	3.50	0.090	78.30	78.61	21.39
200	3.75	0.075	84.66	85.00	15.00
230	4.00	0.063	93.02	93.39	6.61
PAN			99.59	99.99	0.01

PHI (5): 1.68

PHI (16): 2.54

PHI (25): 2.68

PHI (50): 3.07

PHI (75): 3.45

PHI (84): 3.71

PHI (95): 4.05

SIEVE LOSS (g): 0.01

SILT/CLAY: 15.00%

SKEWNESS: -0.351

KURTOSIS: 1.270

GRAPHIC METHOD

MEAN (PHI): 3.01

SORTING: 0.58

MEAN (mm): 0.12

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.92

SORTING: 0.73

MEAN (mm): 0.13

DATA FILE NAME: LK-00-21 S#2.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-21

SAMPLE ELEV. (FT. NGVD): -43.6

SAMPLE DEPTH (FT.): 6.6

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 84.02

SAMPLE WEIGHT AFTER WASH (GRAMS): 69.55

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	0.78	0.93	99.07
7	-1.50	2.800	1.54	1.83	98.17
10	-1.00	2.000	2.11	2.51	97.49
14	-0.50	1.400	2.86	3.40	96.60
18	0.00	1.000	3.74	4.45	95.55
25	0.50	0.710	7.01	8.34	91.66
35	1.00	0.500	9.53	11.34	88.66
45	1.50	0.355	14.26	16.97	83.03
60	2.00	0.250	19.65	23.39	76.61
80	2.50	0.180	31.70	37.73	62.27
120	3.00	0.125	41.74	49.68	50.32
170	3.50	0.090	54.34	64.68	35.32
200	3.75	0.075	64.62	76.91	23.09
230	4.00	0.063	76.07	90.54	9.46
PAN			84.00	99.98	0.02

PHI (5): 0.07

PHI (16): 1.41

PHI (25): 2.06

PHI (50): 3.01

PHI (75): 3.71

PHI (84): 3.88

PHI (95): 4.08

SIEVE LOSS (g): 0.02

SILT/CLAY: 23.09%

SKEWNESS: -0.758

KURTOSIS: 0.993

GRAPHIC METHOD

MEAN (PHI): 2.49

SORTING: 1.23

MEAN (mm): 0.18

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

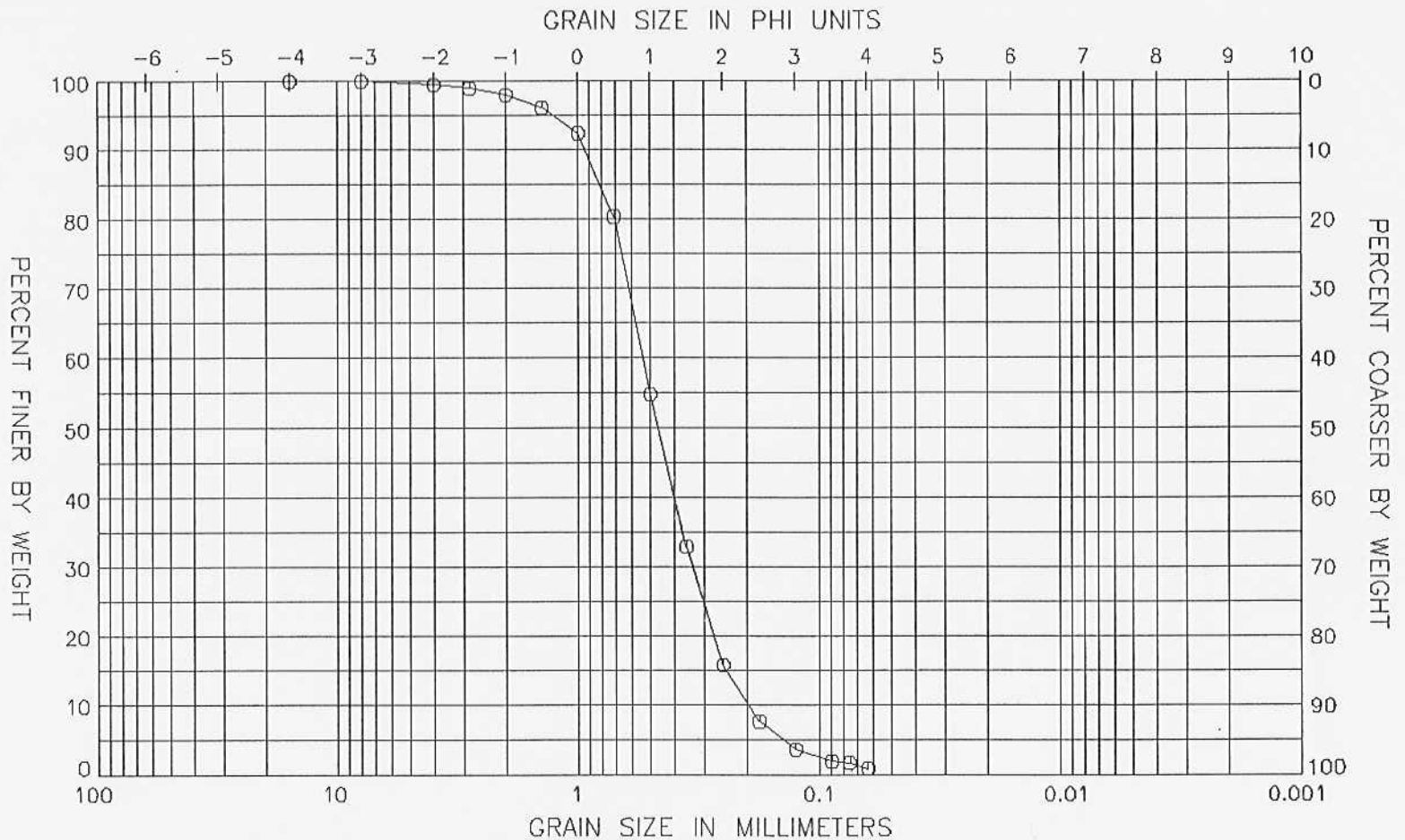
MEAN (PHI): 2.51

SORTING: 1.33

MEAN (mm): 0.18

DATA FILE NAME: LK-00-21 S#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

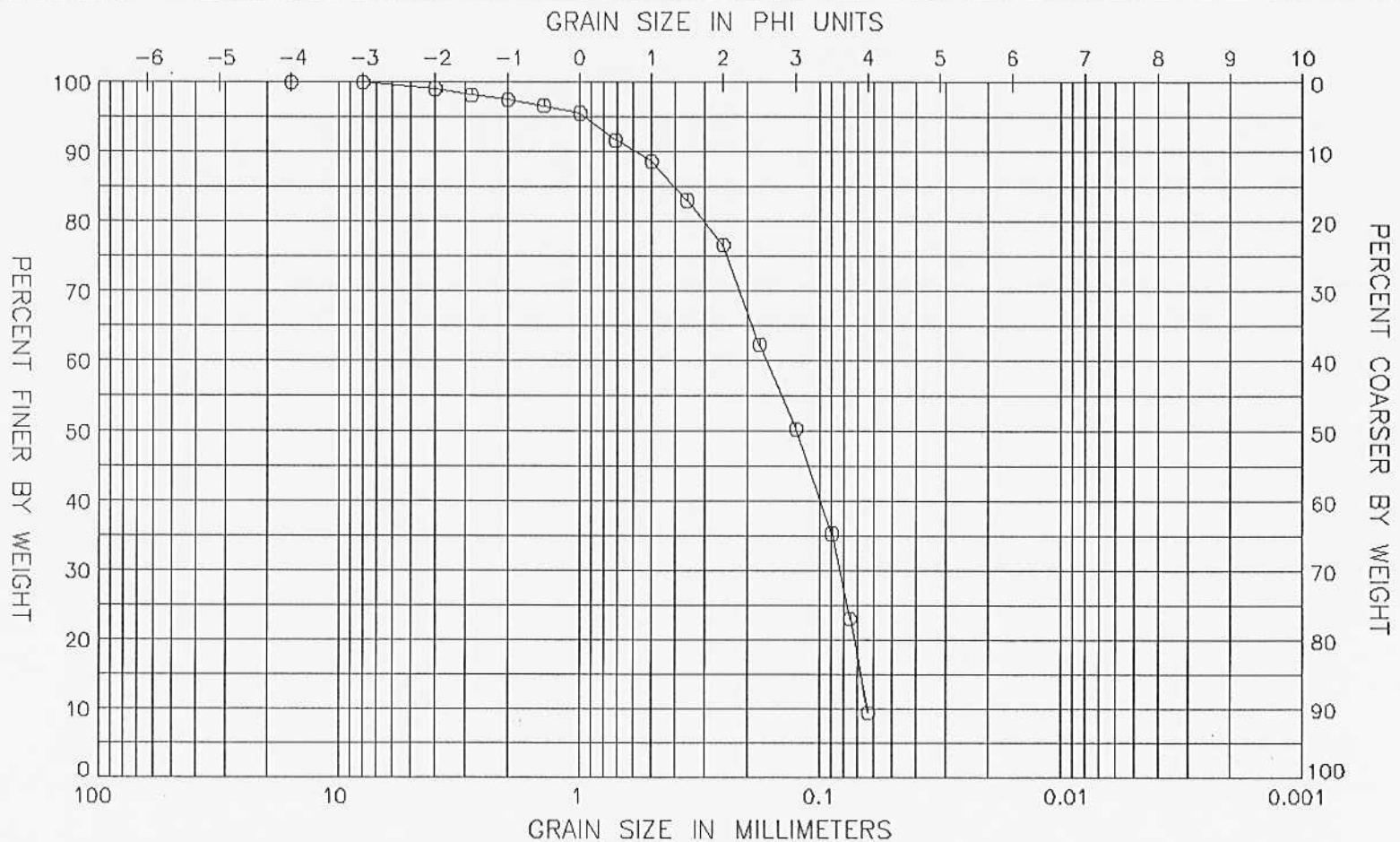


WENTWORTH CLASSIFICATION

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-00-21 ⊕	-38.0	1.0	SP	0.45	0.46	0.93

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-00-21	-43.6	6.6	SP-SM	0.18	0.12	1.33

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

