

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-07

SAMPLE ELEV. (FT. NGVD): -41.5

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 91.65

SAMPLE WEIGHT AFTER WASH (GRAMS): 90.16

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	0.42	0.46	99.54
7	-1.50	2.800	0.76	0.83	99.17
10	-1.00	2.000	2.35	2.56	97.44
14	-0.50	1.400	5.62	6.13	93.87
18	0.00	1.000	11.49	12.54	87.46
25	0.50	0.710	21.80	23.79	76.21
35	1.00	0.500	37.86	41.31	58.69
45	1.50	0.355	55.30	60.34	39.66
60	2.00	0.250	76.04	82.97	17.03
80	2.50	0.180	87.62	95.60	4.40
120	3.00	0.125	89.72	97.89	2.11
170	3.50	0.090	90.09	98.30	1.70
200	3.75	0.075	90.16	98.37	1.63
230	4.00	0.063	90.90	99.19	0.81
PAN			91.65	100.00	0.00

PHI (5): -0.66

PHI (16): 0.15

PHI (25): 0.53

PHI (50): 1.23

PHI (75): 1.82

PHI (84): 2.04

PHI (95): 2.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.63%

SKEWNESS: -0.339

KURTOSIS: 0.996

GRAPHIC METHOD

MEAN (PHI): 1.05

SORTING: 0.94

MEAN (mm): 0.48

MEDIAN (mm): 0.43

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.11

SORTING: 0.97

MEAN (mm): 0.46

DATA FILE NAME: LK-00-07 S#1.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID

ON: 8/00

SAMPLE NO.: LK-00-07

SAMPLE ELEV. (FT. NGVD): -44.0

SAMPLE DEPTH (FT.): 4.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 96.09

SAMPLE WEIGHT AFTER WASH (GRAMS): 91.91

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	0.08	0.08	99.92
7	-1.50	2.800	0.34	0.35	99.65
10	-1.00	2.000	0.70	0.73	99.27
14	-0.50	1.400	1.34	1.39	98.61
18	0.00	1.000	2.47	2.57	97.43
25	0.50	0.710	5.68	5.91	94.09
35	1.00	0.500	13.30	13.84	86.16
45	1.50	0.355	24.60	25.60	74.40
60	2.00	0.250	44.84	46.66	53.34
80	2.50	0.180	66.85	69.57	30.43
120	3.00	0.125	84.02	87.44	12.56
170	3.50	0.090	90.56	94.24	5.76
200	3.75	0.075	91.65	95.38	4.62
230	4.00	0.063	93.93	97.75	2.25
PAN			96.07	99.98	0.02

PHI (5): 0.36

PHI (16): 1.09

PHI (25): 1.47

PHI (50): 2.07

PHI (75): 2.65

PHI (84): 2.90

PHI (95): 3.67

SIEVE LOSS(g): 0.02

SILT/CLAY: 4.62%

SKEWNESS: -0.064

KURTOSIS: 1.150

GRAPHIC METHOD

MEAN (PHI): 2.02

SORTING: 0.91

MEAN (mm): 0.25

MEDIAN (mm): 0.24

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.97

SORTING: 0.93

MEAN (mm): 0.26

DATA FILE NAME: LK-00-07 S#2.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-07

SAMPLE ELEV. (FT. NGVD): -45.8

SAMPLE DEPTH (FT.): 6.3

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 98.58

SAMPLE WEIGHT AFTER WASH (GRAMS): 82.49

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	1.76	1.79	98.21
7	-1.50	2.800	2.75	2.79	97.21
10	-1.00	2.000	3.63	3.68	96.32
14	-0.50	1.400	4.51	4.57	95.43
18	0.00	1.000	5.43	5.51	94.49
25	0.50	0.710	6.94	7.04	92.96
35	1.00	0.500	8.96	9.09	90.91
45	1.50	0.355	12.00	12.17	87.83
60	2.00	0.250	20.05	20.34	79.66
80	2.50	0.180	30.38	30.82	69.18
120	3.00	0.125	54.84	55.63	44.37
170	3.50	0.090	75.76	76.85	23.15
200	3.75	0.075	81.28	82.45	17.55
230	4.00	0.063	90.34	91.64	8.36
PAN			98.57	99.99	0.01

PHI (5): -0.27

PHI (16): 1.73

PHI (25): 2.22

PHI (50): 2.89

PHI (75): 3.46

PHI (84): 3.79

PHI (95): 4.09

SIEVE LOSS (g): 0.01

SILT/CLAY: 17.55%

SKEWNESS: -0.949

KURTOSIS: 1.449

GRAPHIC METHOD

MEAN (PHI): 2.45

SORTING: 1.03

MEAN (mm): 0.18

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.49

SORTING: 1.30

MEAN (mm): 0.18

DATA FILE NAME: LK-00-07 S#3.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-07

SAMPLE ELEV. (FT. NGVD): -47.1

SAMPLE DEPTH (FT.): 7.6

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 91.97

SAMPLE WEIGHT AFTER WASH (GRAMS): 77.18

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	0.64	0.70	99.30
7	-1.50	2.800	1.02	1.11	98.89
10	-1.00	2.000	1.59	1.73	98.27
14	-0.50	1.400	2.60	2.83	97.17
18	0.00	1.000	3.02	3.28	96.72
25	0.50	0.710	4.81	5.23	94.77
35	1.00	0.500	8.58	9.33	90.67
45	1.50	0.355	14.19	15.43	84.57
60	2.00	0.250	24.28	26.40	73.60
80	2.50	0.180	38.60	41.97	58.03
120	3.00	0.125	56.05	60.94	39.06
170	3.50	0.090	71.84	78.11	21.89
200	3.75	0.075	76.38	83.05	16.95
230	4.00	0.063	84.51	91.89	8.11
PAN			91.97	100.00	0.00

PHI (5): 0.44

PHI (16): 1.53

PHI (25): 1.94

PHI (50): 2.71

PHI (75): 3.41

PHI (84): 3.78

PHI (95): 4.09

SIEVE LOSS(g): 0.00

SILT/CLAY: 16.95%

SKEWNESS: -0.397

KURTOSIS: 1.015

GRAPHIC METHOD

MEAN (PHI): 2.51

SORTING: 1.13

MEAN (mm): 0.18

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

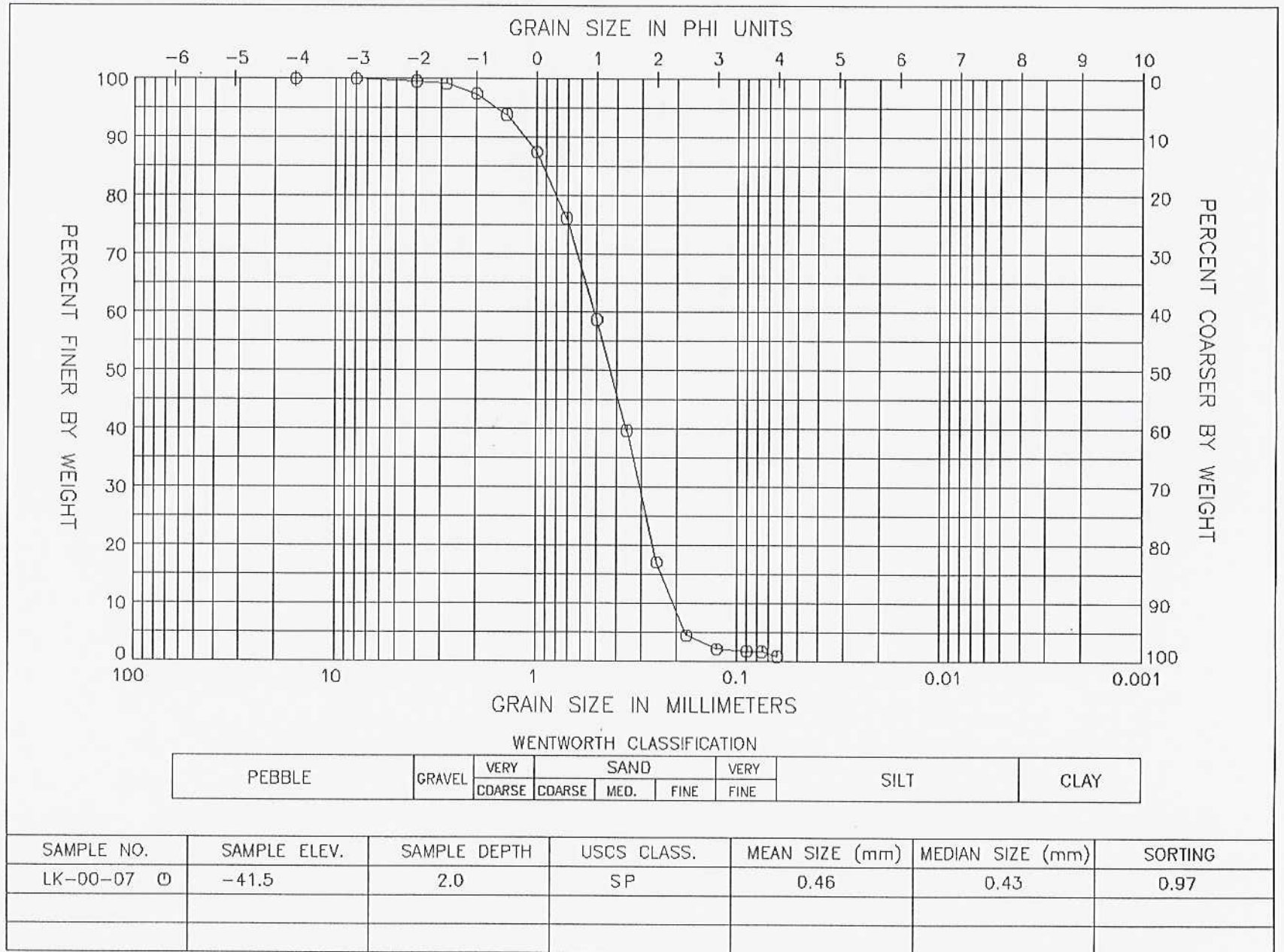
MEAN (PHI): 2.41

SORTING: 1.15

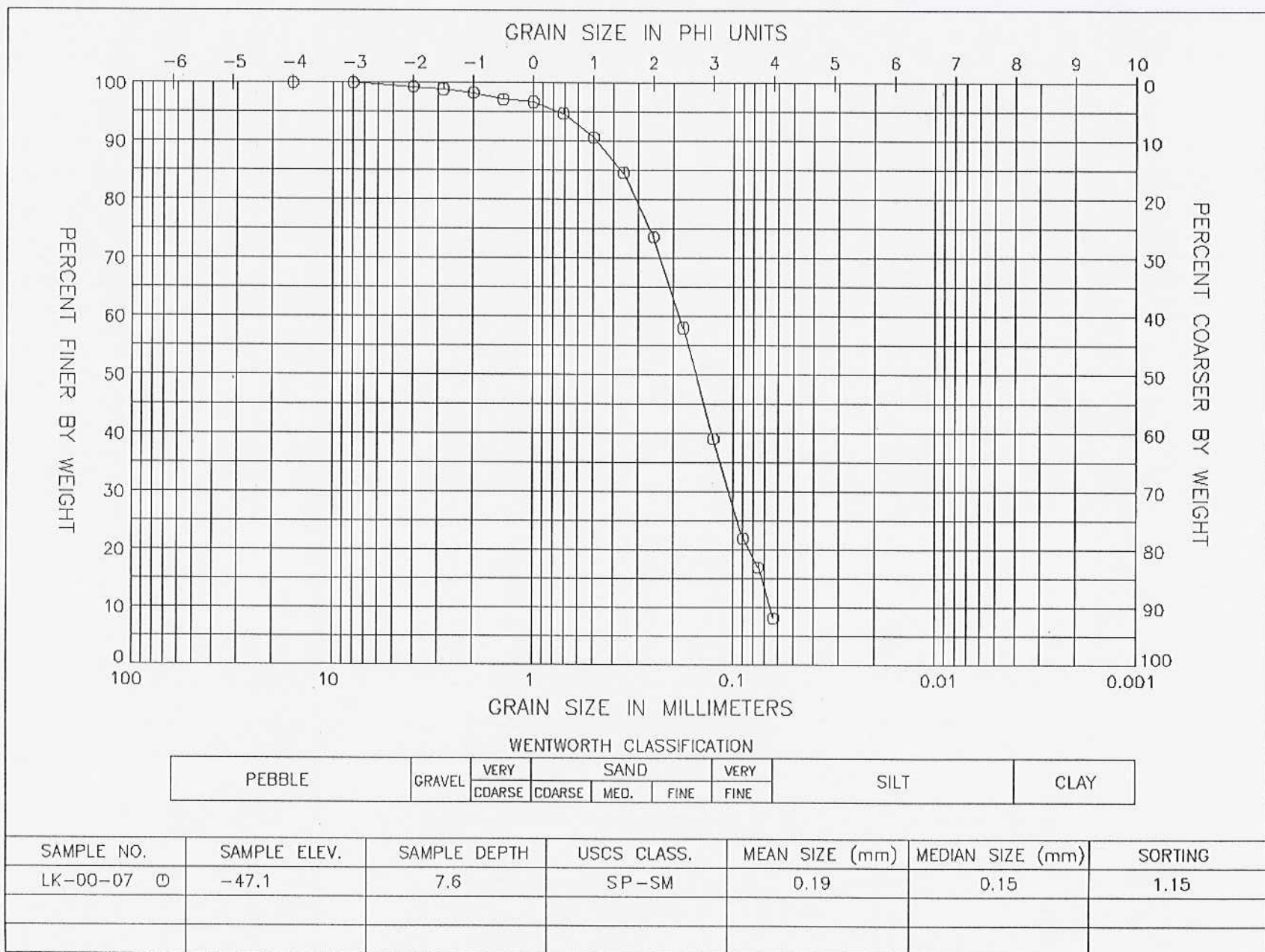
MEAN (mm): 0.19

DATA FILE NAME: LK-00-07 S#4.TAB

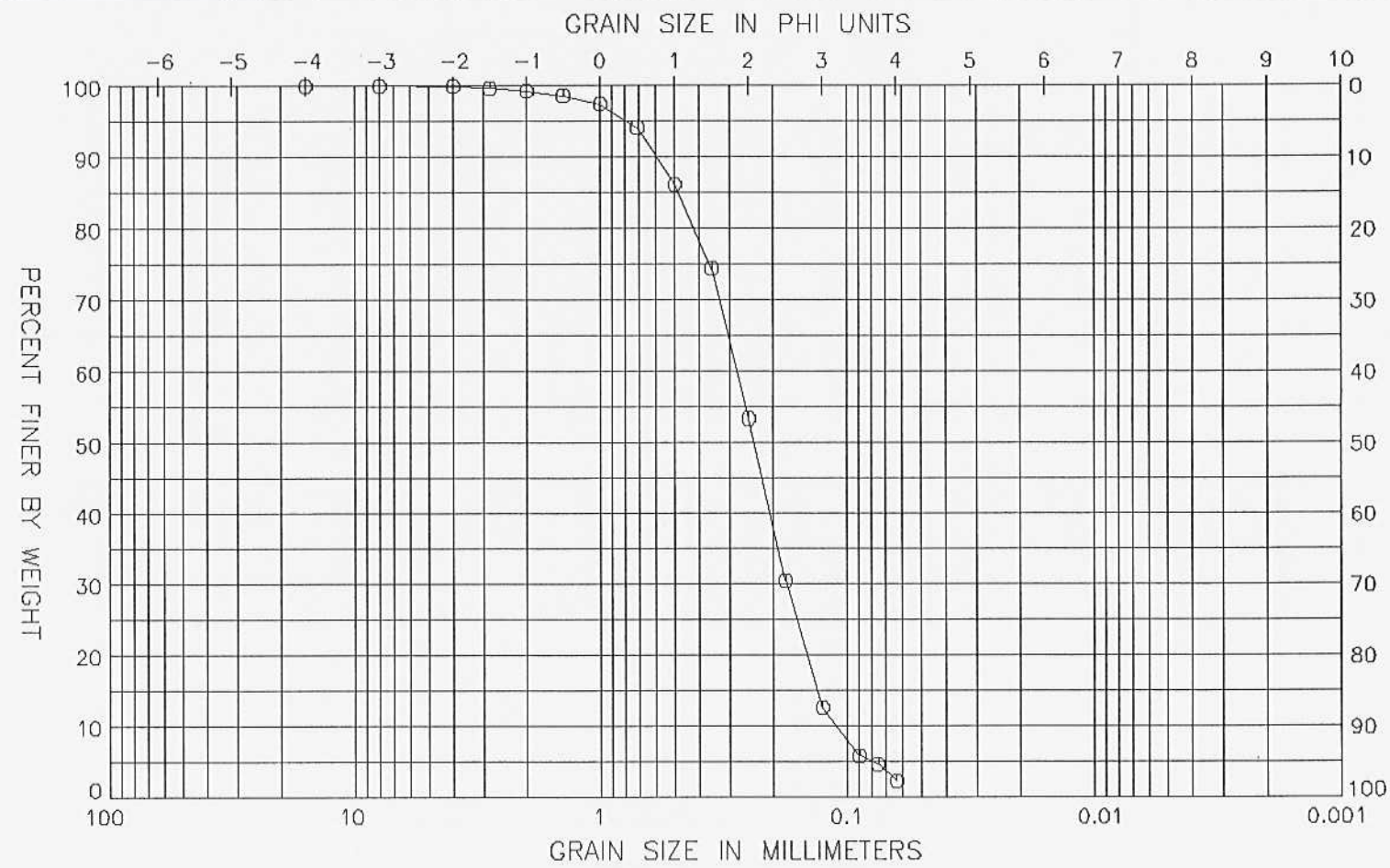
GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000



GRAIN SIZE DISTRIBUTION CURVE LIDO KEY VC 2000



PERCENT COARSER BY WEIGHT



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-00-07 ①	-44.0	4.5	SP	0.26	0.24	0.93

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000

GRAIN SIZE DISTRIBUTION CURVE
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