

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-16

SAMPLE ELEV. (FT. NGVD): -44.4

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 97.54

SAMPLE WEIGHT AFTER WASH (GRAMS): 95.94

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	0.25	0.26	99.74
7	-1.50	2.800	0.71	0.73	99.27
10	-1.00	2.000	1.78	1.82	98.18
14	-0.50	1.400	4.52	4.63	95.37
18	0.00	1.000	11.76	12.06	87.94
25	0.50	0.710	27.49	28.18	71.82
35	1.00	0.500	49.55	50.80	49.20
45	1.50	0.355	70.64	72.42	27.58
60	2.00	0.250	87.44	89.65	10.35
80	2.50	0.180	93.71	96.07	3.93
120	3.00	0.125	95.50	97.91	2.09
170	3.50	0.090	95.86	98.28	1.72
200	3.75	0.075	95.91	98.33	1.67
230	4.00	0.063	96.72	99.16	0.84
PAN			97.53	99.99	0.01

PHI (5): -0.48

PHI (16): 0.12

PHI (25): 0.40

PHI (50): 0.98

PHI (75): 1.57

PHI (84): 1.84

PHI (95): 2.42

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.67%

SKEWNESS: -0.014

KURTOSIS: 1.010

GRAPHIC METHOD

MEAN (PHI): 0.98

SORTING: 0.86

MEAN (mm): 0.51

MEDIAN (mm): 0.51

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.96

SORTING: 0.89

MEAN (mm): 0.51

DATA FILE NAME: LK-00-16 S#1.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-16
SAMPLE ELEV. (FT. NGVD): -46.9
SAMPLE DEPTH (FT.): 4.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 82.05

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	0.72	0.72	99.28
10	-1.00	2.000	1.87	1.88	98.12
14	-0.50	1.400	3.64	3.65	96.35
18	0.00	1.000	6.36	6.38	93.62
25	0.50	0.710	11.83	11.87	88.13
35	1.00	0.500	19.35	19.42	80.58
45	1.50	0.355	27.38	27.48	72.52
60	2.00	0.250	36.89	37.02	62.98
80	2.50	0.180	43.95	44.11	55.89
120	3.00	0.125	60.30	60.52	39.48
170	3.50	0.090	75.08	75.35	24.65
200	3.75	0.075	80.26	80.55	19.45
230	4.00	0.063	90.50	90.83	9.17
PAN			99.64	100.00	0.00

PHI (5): -0.25 PHI (16): 0.77 PHI (25): 1.35
PHI (50): 2.68 PHI (75): 3.49 PHI (84): 3.83
PHI (95): 4.10

SIEVE LOSS (g): 0.00 SILT/CLAY: 19.45%
SKEWNESS: -0.494 KURTOSIS: 0.833

GRAPHIC METHOD

MEAN (PHI): 2.23 SORTING: 1.53
MEAN (mm): 0.21 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.17 SORTING: 1.34
MEAN (mm): 0.22

DATA FILE NAME: LK-00-16 S#2.TAB

GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-16
SAMPLE ELEV. (FT. NGVD): -49.9
SAMPLE DEPTH (FT.): 7.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.16
SAMPLE WEIGHT AFTER WASH (GRAMS): 81.58

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	4.13	4.12	95.88
7	-1.50	2.800	6.24	6.23	93.77
10	-1.00	2.000	8.52	8.51	91.49
14	-0.50	1.400	11.24	11.22	88.78
18	0.00	1.000	14.83	14.81	85.19
25	0.50	0.710	20.68	20.65	79.35
35	1.00	0.500	29.66	29.61	70.39
45	1.50	0.355	39.16	39.10	60.90
60	2.00	0.250	46.36	46.29	53.71
80	2.50	0.180	51.64	51.56	48.44
120	3.00	0.125	62.25	62.15	37.85
170	3.50	0.090	75.99	75.87	24.13
200	3.75	0.075	80.52	80.39	19.61
230	4.00	0.063	90.76	90.62	9.38
PAN			100.15	99.99	0.01

PHI (5): -1.79 PHI (16): 0.10 PHI (25): 0.74
PHI (50): 2.35 PHI (75): 3.47 PHI (84): 3.84
PHI (95): 4.11

SIEVE LOSS (g): 0.01 SILT/CLAY: 19.61%
SKEWNESS: -0.640 KURTOSIS: 0.887

GRAPHIC METHOD

MEAN (PHI): 1.72 SORTING: 1.87
MEAN (mm): 0.30 MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.70 SORTING: 1.76
MEAN (mm): 0.31

DATA FILE NAME: LK-00-16 S#3.TAB

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

SAMPLE NO.: LK-00-16
SAMPLE ELEV. (FT. NGVD): -50.9
SAMPLE DEPTH (FT.): 8.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 89.69
SAMPLE WEIGHT AFTER WASH (GRAMS): 79.66

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	5.46	6.09	93.91
5	-2.00	4.000	13.75	15.33	84.67
7	-1.50	2.800	17.60	19.62	80.38
10	-1.00	2.000	21.57	24.05	75.95
14	-0.50	1.400	25.15	28.04	71.96
18	0.00	1.000	28.81	32.12	67.88
25	0.50	0.710	34.64	38.62	61.38
35	1.00	0.500	41.27	46.01	53.99
45	1.50	0.355	47.86	53.36	46.64
60	2.00	0.250	55.44	61.81	38.19
80	2.50	0.180	59.71	66.57	33.43
120	3.00	0.125	67.69	75.47	24.53
170	3.50	0.090	75.32	83.98	16.02
200	3.75	0.075	78.78	87.84	12.16
230	4.00	0.063	84.51	94.23	5.77
PAN			89.66	99.97	0.03

PHI (5): -3.18 PHI (16): -1.92 PHI (25): -0.88
PHI (50): 1.27 PHI (75): 2.97 PHI (84): 3.50
PHI (95): 4.03

SIEVE LOSS (g): 0.03 SILT/CLAY: 12.16%
SKEWNESS: -0.312 KURTOSIS: 0.766

GRAPHIC METHOD

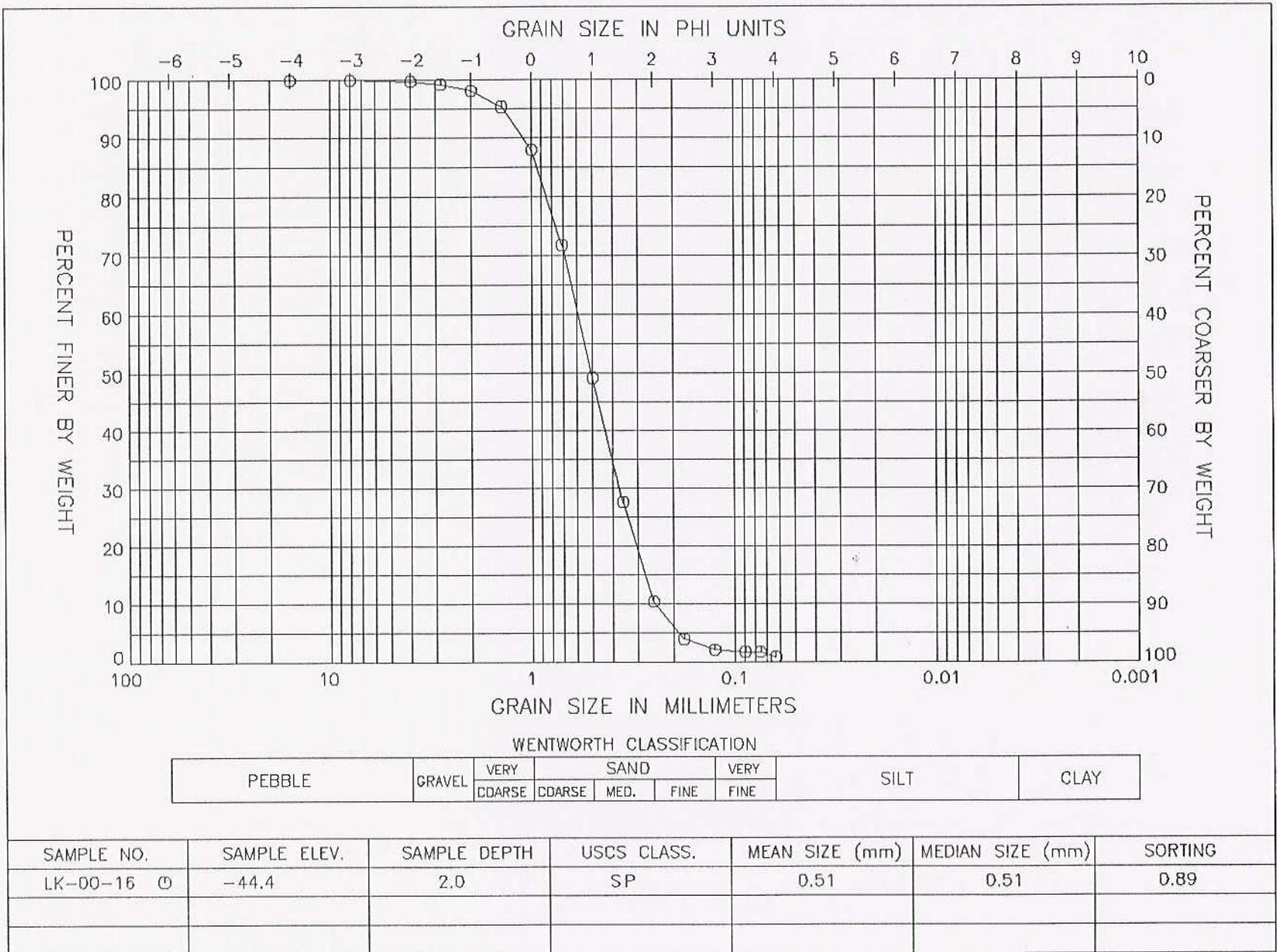
MEAN (PHI): 0.74 SORTING: 2.71
MEAN (mm): 0.60 MEDIAN (mm): 0.41
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

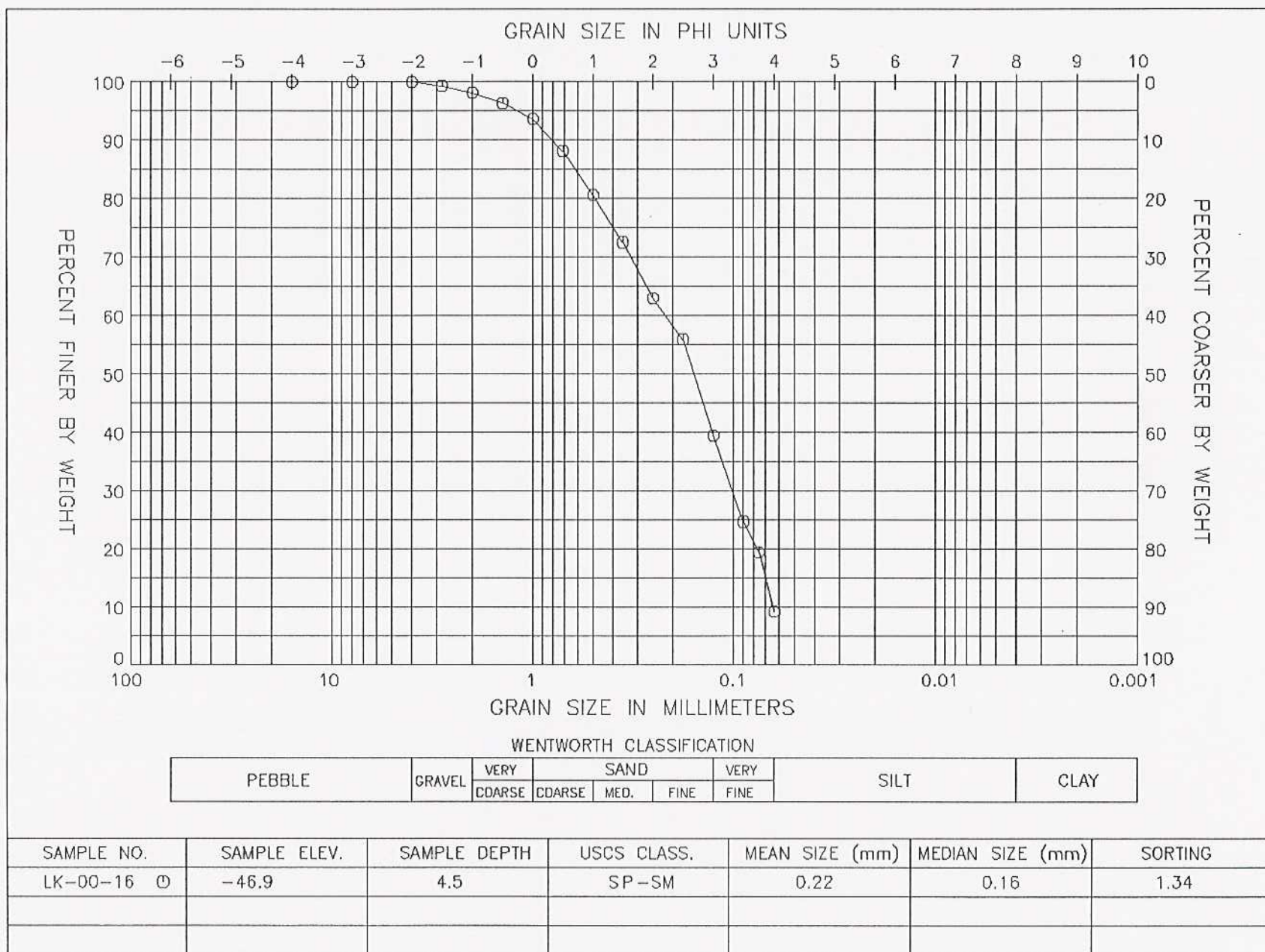
MEAN (PHI): 0.76 SORTING: 2.24
MEAN (mm): 0.59

DATA FILE NAME: LK-00-16 S#4.TAB

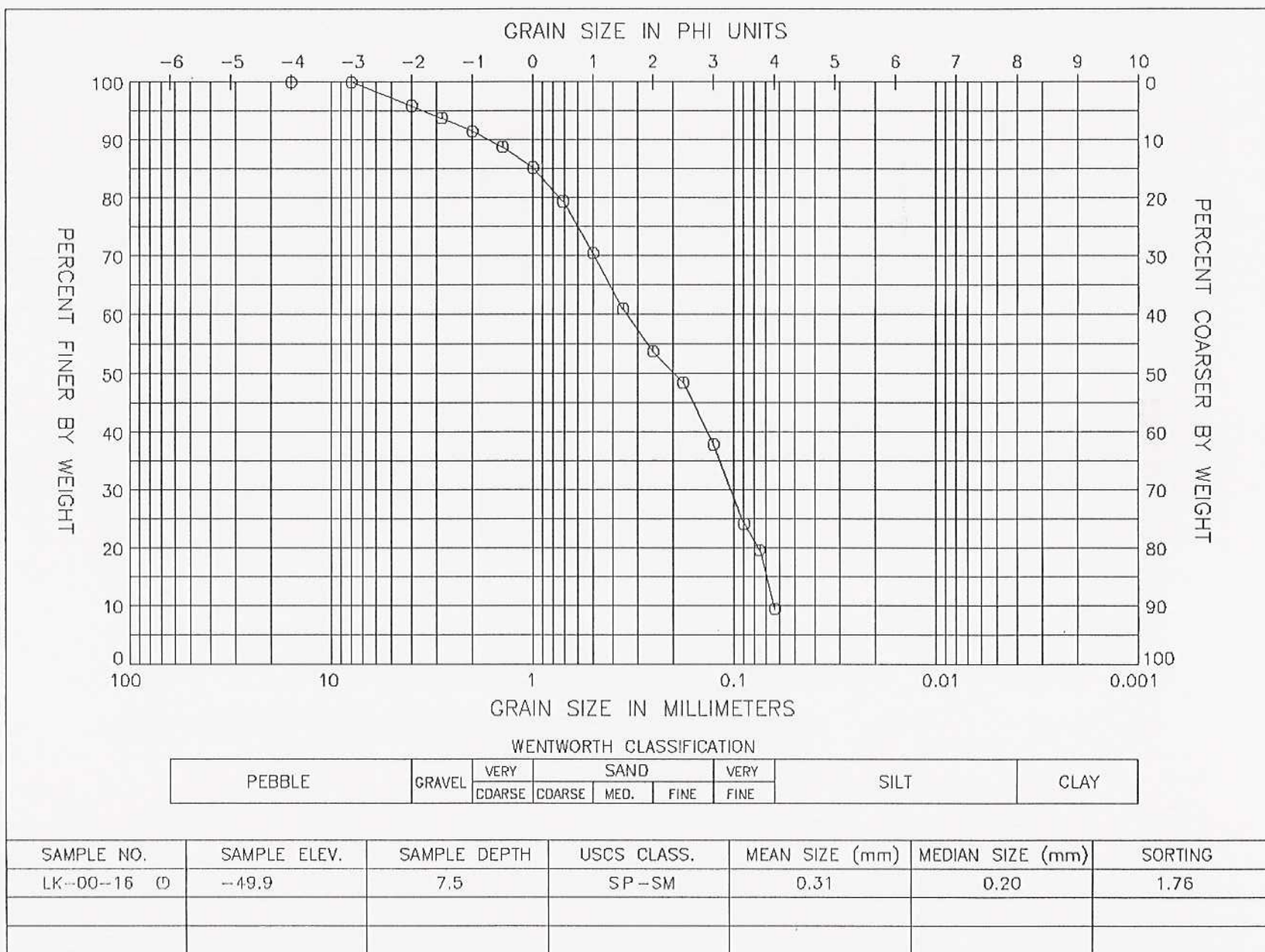
GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000



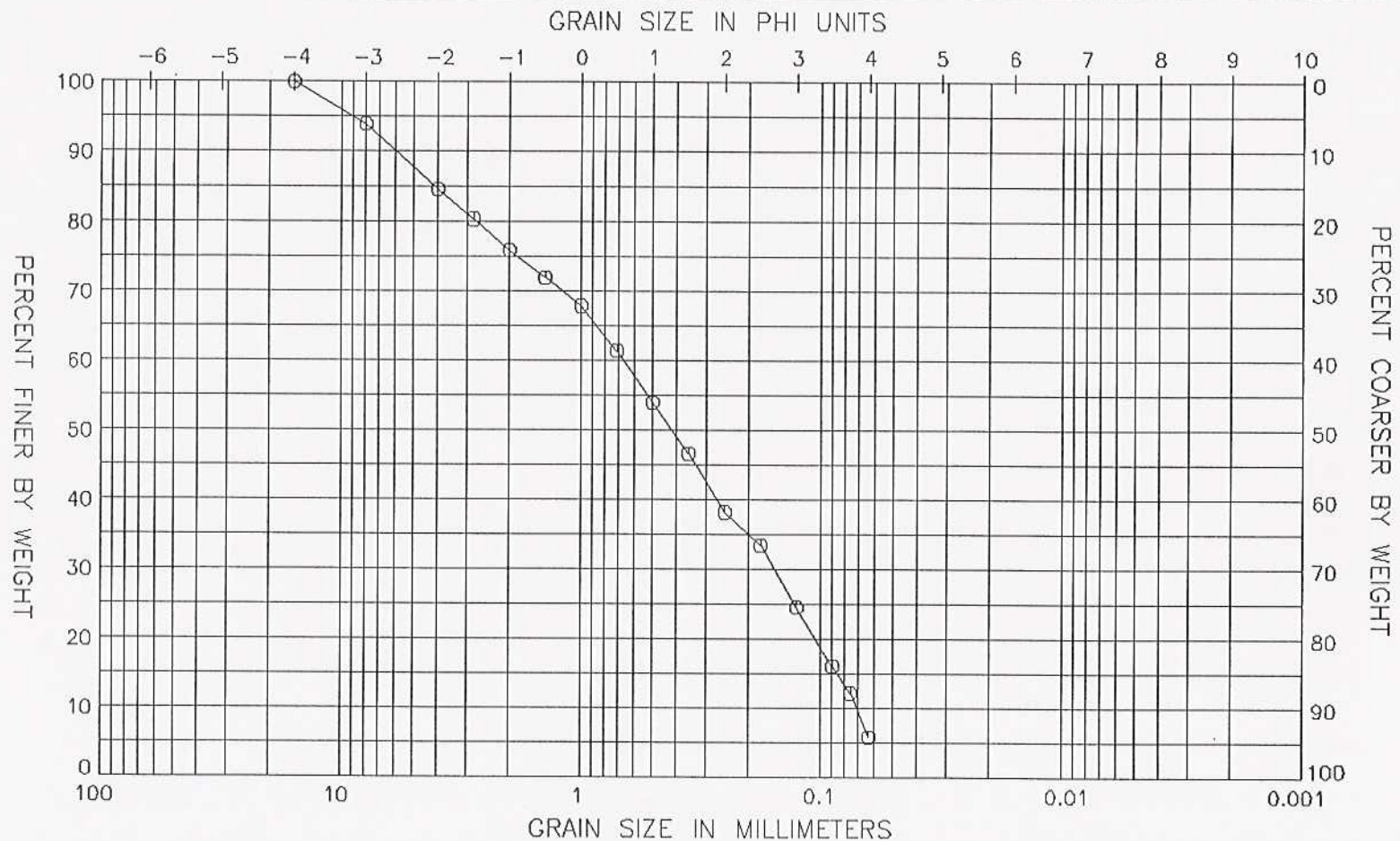
GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY VC 2000



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		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
LK-00-16	-50.9	8.5	SP-SM	0.59	0.41	2.24