

## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-09

SAMPLE ELEV. (FT. NGVD): -42.6

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.30

SAMPLE WEIGHT AFTER WASH (GRAMS): 97.47

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	0.60	0.60	99.40
10	-1.00	2.000	1.49	1.50	98.50
14	-0.50	1.400	3.55	3.58	96.42
18	0.00	1.000	8.06	8.12	91.88
25	0.50	0.710	18.31	18.44	81.56
35	1.00	0.500	36.33	36.59	63.41
45	1.50	0.355	57.18	57.58	42.42
60	2.00	0.250	82.88	83.46	16.54
80	2.50	0.180	95.25	95.92	4.08
120	3.00	0.125	96.94	97.62	2.38
170	3.50	0.090	97.33	98.02	1.98
200	3.75	0.075	97.42	98.11	1.89
230	4.00	0.063	98.36	99.06	0.94
PAN			99.29	99.99	0.01

PHI (5): -0.34

PHI (16): 0.38

PHI (25): 0.68

PHI (50): 1.32

PHI (75): 1.84

PHI (84): 2.02

PHI (95): 2.46

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.89%

SKEWNESS: -0.317

KURTOSIS: 0.995

## GRAPHIC METHOD

MEAN (PHI): 1.17

SORTING: 0.82

MEAN (mm): 0.44

MEDIAN (mm): 0.40

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.22

SORTING: 0.87

MEAN (mm): 0.43

DATA FILE NAME: LK-00-09 S#1.TAB

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

SAMPLE NO.: LK-00-09  
SAMPLE ELEV. (FT. NGVD): -44.6  
SAMPLE DEPTH (FT.): 4.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 95.38  
SAMPLE WEIGHT AFTER WASH (GRAMS): 89.93

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	0.14	0.15	99.85
7	-1.50	2.800	0.61	0.64	99.36
10	-1.00	2.000	1.46	1.53	98.47
14	-0.50	1.400	2.69	2.82	97.18
18	0.00	1.000	4.24	4.45	95.55
25	0.50	0.710	7.40	7.76	92.24
35	1.00	0.500	12.48	13.08	86.92
45	1.50	0.355	19.49	20.43	79.57
60	2.00	0.250	33.73	35.36	64.64
80	2.50	0.180	49.12	51.50	48.50
120	3.00	0.125	74.35	77.95	22.05
170	3.50	0.090	86.95	91.16	8.84
200	3.75	0.075	89.50	93.84	6.16
230	4.00	0.063	92.63	97.11	2.89
PAN			95.38	100.00	0.00

PHI (5): 0.08	PHI (16): 1.20	PHI (25): 1.65
PHI (50): 2.45	PHI (75): 2.94	PHI (84): 3.23
PHI (95): 3.84		

SIEVE LOSS (g): 0.00	SILT/CLAY: 6.16%
SKEWNESS: -0.485	KURTOSIS: 1.192

GRAPHIC METHOD

MEAN (PHI): 2.16	SORTING: 1.02
MEAN (mm): 0.22	MEDIAN (mm): 0.18

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.17	SORTING: 1.08
MEAN (mm): 0.22	

DATA FILE NAME: LK-00-09 S#2.TAB



## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-09

SAMPLE ELEV. (FT. NGVD): -46.3

SAMPLE DEPTH (FT.): 5.7

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 96.35

SAMPLE WEIGHT AFTER WASH (GRAMS): 77.75

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	0.37	0.38	99.62
7	-1.50	2.800	0.59	0.61	99.39
10	-1.00	2.000	0.81	0.84	99.16
14	-0.50	1.400	1.13	1.17	98.83
18	0.00	1.000	1.60	1.66	98.34
25	0.50	0.710	2.38	2.47	97.53
35	1.00	0.500	3.88	4.03	95.97
45	1.50	0.355	6.60	6.85	93.15
60	2.00	0.250	13.18	13.68	86.32
80	2.50	0.180	23.12	24.00	76.00
120	3.00	0.125	45.85	47.59	52.41
170	3.50	0.090	68.09	70.67	29.33
200	3.75	0.075	74.57	77.39	22.61
230	4.00	0.063	86.21	89.48	10.52
PAN			96.35	100.00	0.00

PHI (5): 1.17

PHI (16): 2.11

PHI (25): 2.52

PHI (50): 3.05

PHI (75): 3.66

PHI (84): 3.89

PHI (95): 4.11

SIEVE LOSS (g): 0.00

SILT/CLAY: 22.61%

SKEWNESS: -0.461

KURTOSIS: 1.058

## GRAPHIC METHOD

MEAN (PHI): 2.87

SORTING: 0.89

MEAN (mm): 0.14

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.78

SORTING: 0.95

MEAN (mm): 0.15

DATA FILE NAME: LK-00-09 S#3.TAB

## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-09

SAMPLE ELEV. (FT. NGVD): -49.6

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 98.83

SAMPLE WEIGHT AFTER WASH (GRAMS): 84.62

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	0.00	0.00	100.00
5	-2.00	4.000	2.20	2.23	97.77
7	-1.50	2.800	3.18	3.22	96.78
10	-1.00	2.000	4.32	4.37	95.63
14	-0.50	1.400	7.44	7.53	92.47
18	0.00	1.000	13.90	14.06	85.94
25	0.50	0.710	23.63	23.91	76.09
35	1.00	0.500	33.95	34.35	65.65
45	1.50	0.355	42.71	43.22	56.78
60	2.00	0.250	51.36	51.97	48.03
80	2.50	0.180	59.43	60.13	39.87
120	3.00	0.125	70.55	71.39	28.61
170	3.50	0.090	80.39	81.34	18.66
200	3.75	0.075	83.88	84.87	15.13
230	4.00	0.063	91.57	92.66	7.34
PAN			98.82	99.99	0.01

PHI (5): -0.90

PHI (16): 0.10

PHI (25): 0.55

PHI (50): 1.89

PHI (75): 3.18

PHI (84): 3.69

PHI (95): 4.08

SIEVE LOSS (g): 0.01

SILT/CLAY: 15.13%

SKEWNESS: -0.167

KURTOSIS: 0.776

## GRAPHIC METHOD

MEAN (PHI): 1.77

SORTING: 1.79

MEAN (mm): 0.29

MEDIAN (mm): 0.27

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.60

SORTING: 1.56

MEAN (mm): 0.33

DATA FILE NAME: LK-00-09 S#4.TAB



## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-09

SAMPLE ELEV. (FT. NGVD): -51.6

SAMPLE DEPTH (FT.): 10.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 97.04

SAMPLE WEIGHT AFTER WASH (GRAMS): 80.51

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	0.79	0.81	99.19
7	-1.50	2.800	1.88	1.94	98.06
10	-1.00	2.000	2.96	3.05	96.95
14	-0.50	1.400	4.91	5.06	94.94
18	0.00	1.000	7.55	7.78	92.22
25	0.50	0.710	11.02	11.36	88.64
35	1.00	0.500	14.23	14.66	85.34
45	1.50	0.355	17.98	18.53	81.47
60	2.00	0.250	25.25	26.02	73.98
80	2.50	0.180	32.86	33.86	66.14
120	3.00	0.125	50.29	51.82	48.18
170	3.50	0.090	69.68	71.81	28.19
200	3.75	0.075	78.29	80.68	19.32
230	4.00	0.063	88.28	90.98	9.02
PAN			97.03	99.99	0.01

PHI (5): -0.51

PHI (16): 1.17

PHI (25): 1.93

PHI (50): 2.95

PHI (75): 3.59

PHI (84): 3.83

PHI (95): 4.10

SIEVE LOSS (g): 0.01

SILT/CLAY: 19.32%

SKEWNESS: -0.871

KURTOSIS: 1.140

## GRAPHIC METHOD

MEAN (PHI): 2.31

SORTING: 1.33

MEAN (mm): 0.20

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

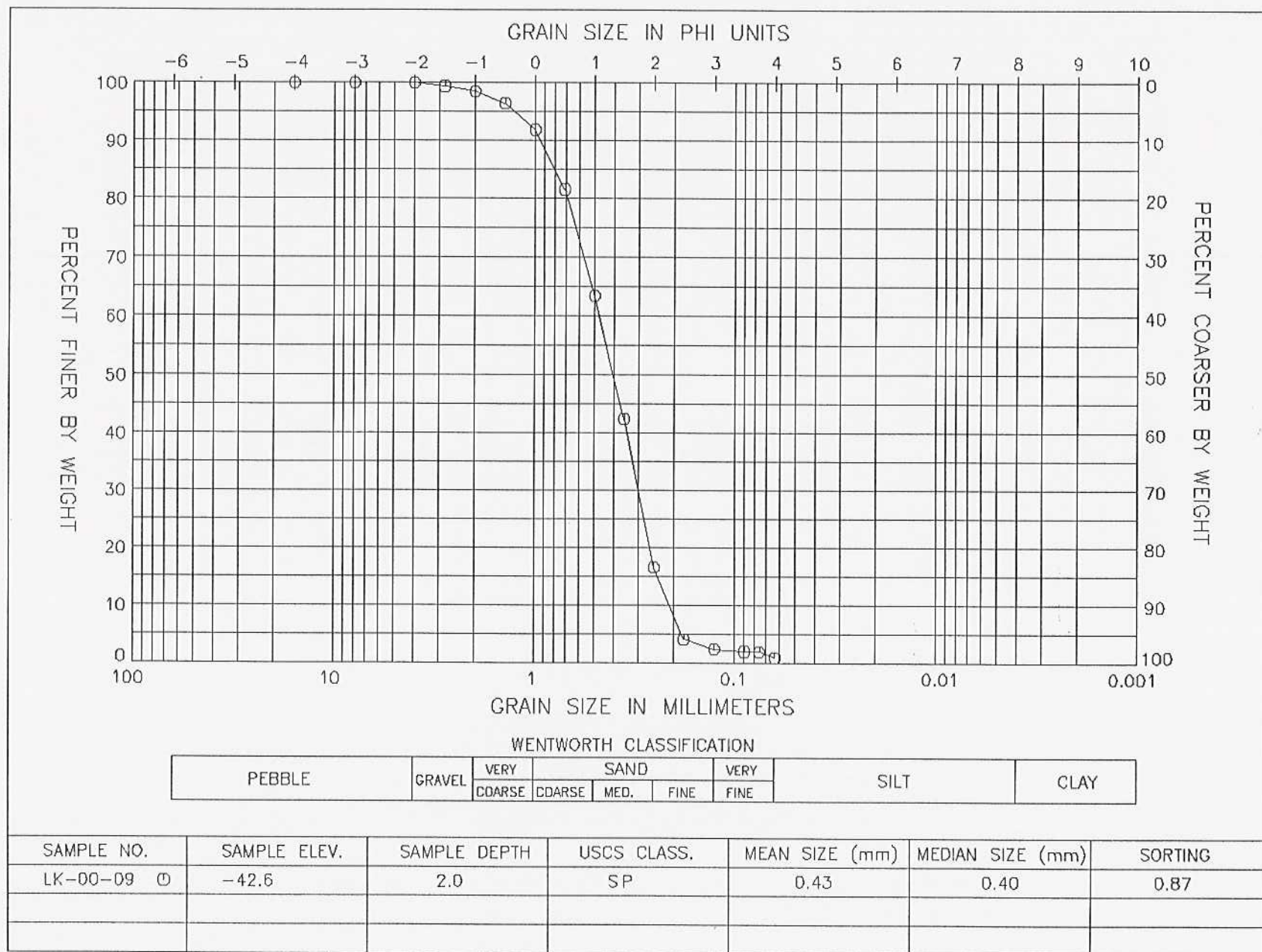
MEAN (PHI): 2.39

SORTING: 1.40

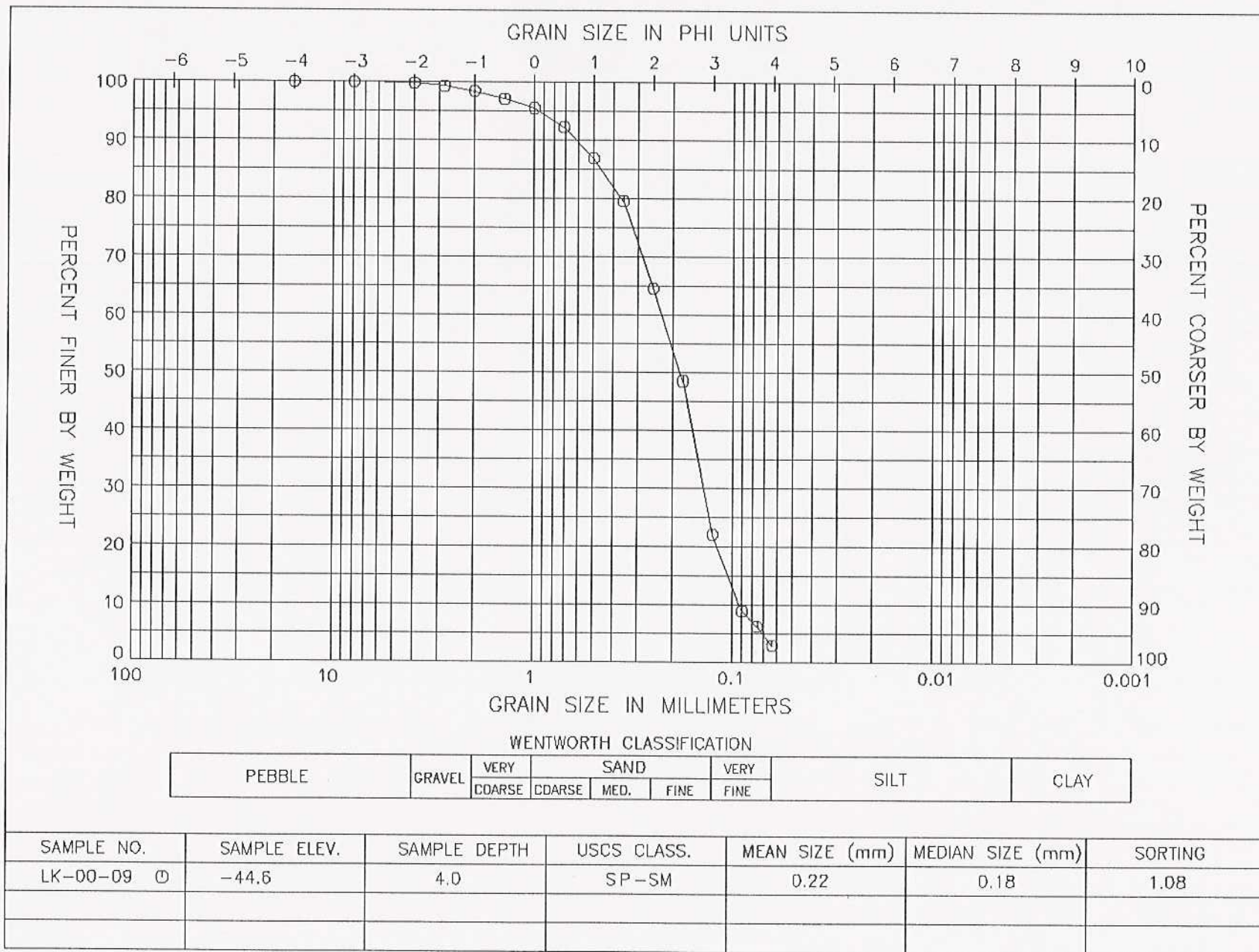
MEAN (mm): 0.19

DATA FILE NAME: LK-00-09 S#5.TAB

# GRAIN SIZE DISTRIBUTION CURVE LIDO KEY VC 2000

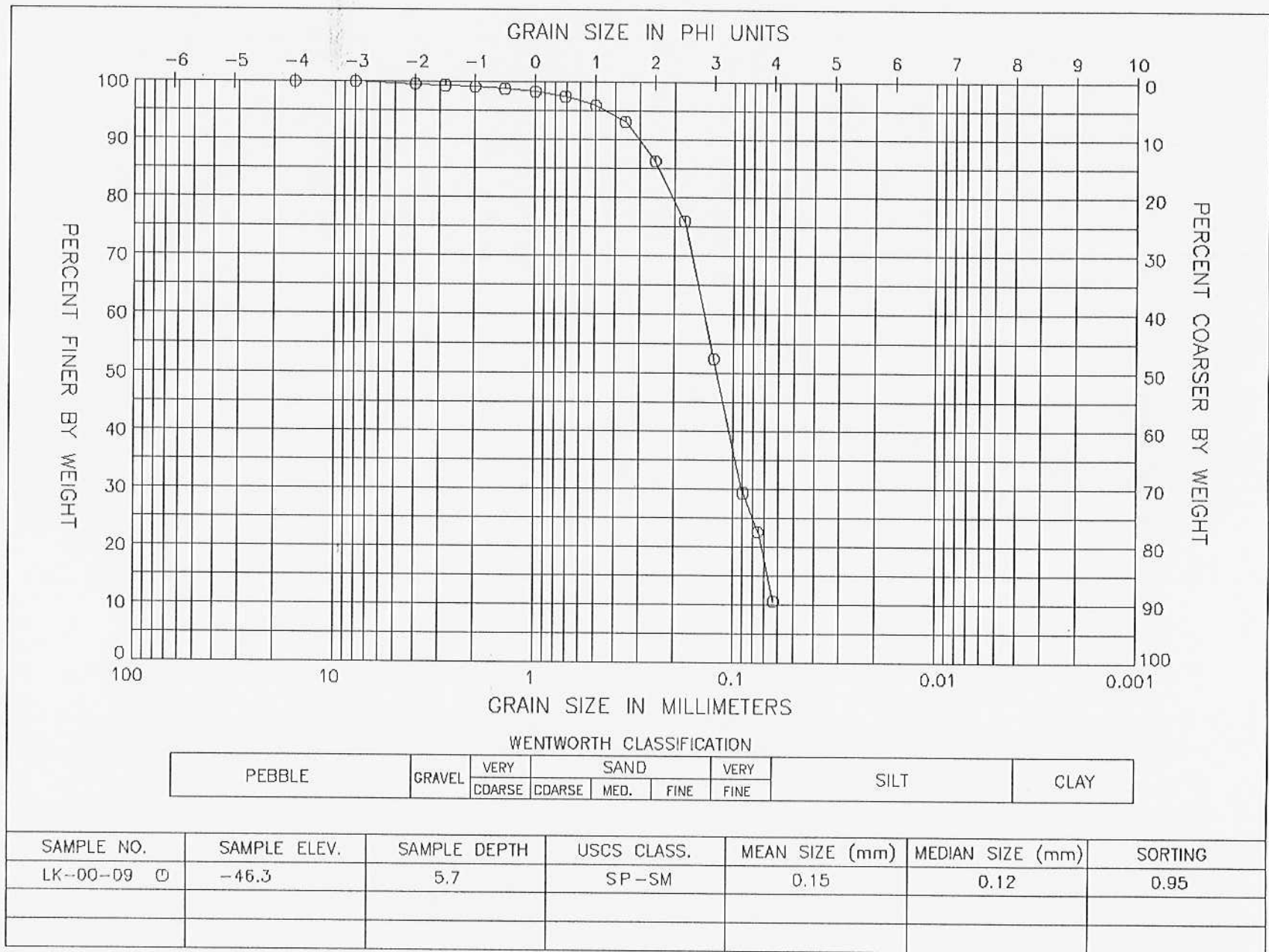


GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VC 2000



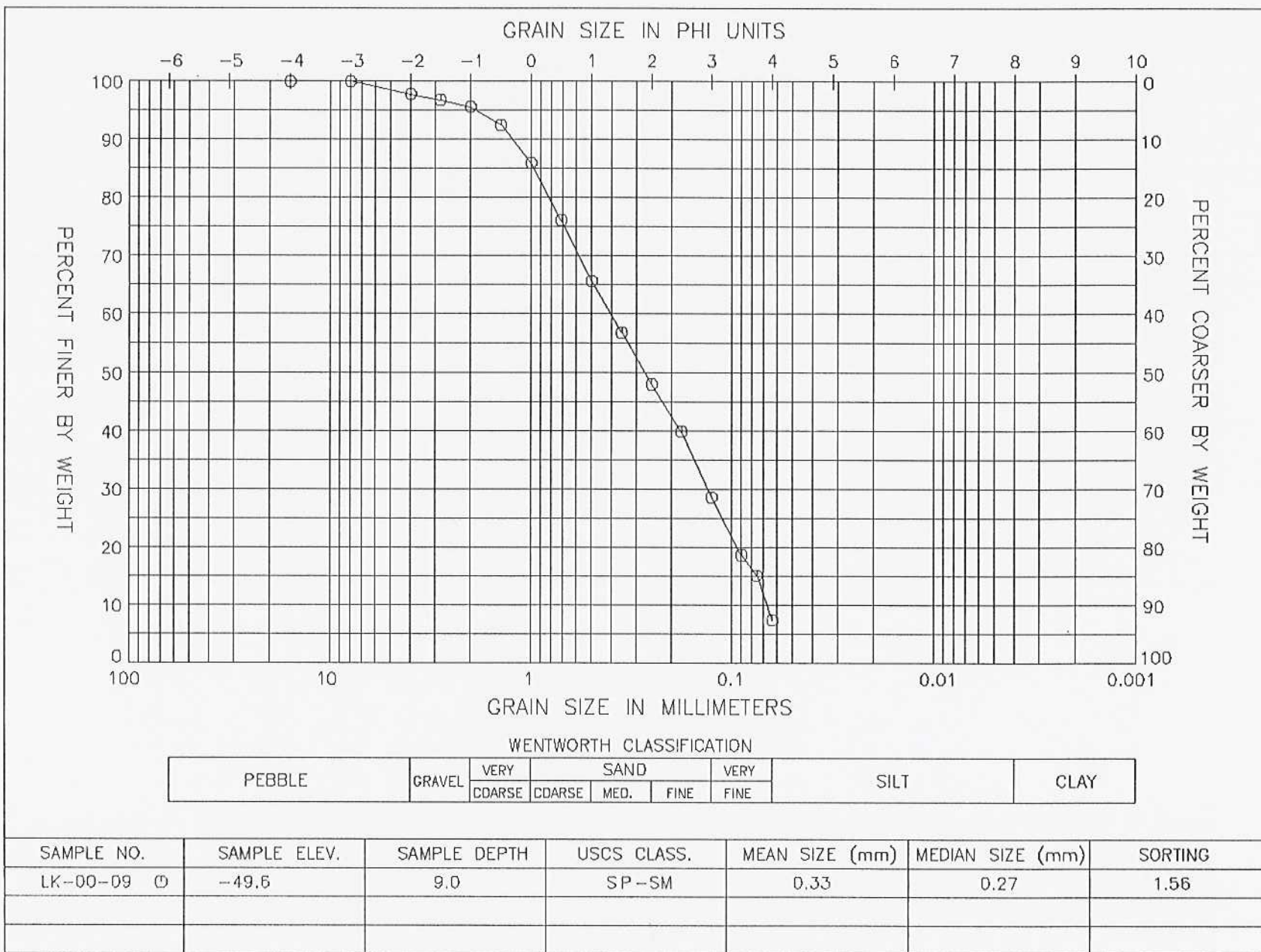


GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VC 2000





GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VC 2000



GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VC 2000

