

## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-13  
SAMPLE ELEV. (FT. NGVD): -56.8  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 95.01  
SAMPLE WEIGHT AFTER WASH (GRAMS): 63.28

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	0.94	0.99	99.01
5	-2.00	4.000	2.83	2.98	97.02
7	-1.50	2.800	3.53	3.72	96.28
10	-1.00	2.000	4.54	4.78	95.22
14	-0.50	1.400	5.71	6.01	93.99
18	0.00	1.000	7.07	7.44	92.56
25	0.50	0.710	9.75	10.26	89.74
35	1.00	0.500	13.05	13.74	86.26
45	1.50	0.355	15.24	16.04	83.96
60	2.00	0.250	17.14	18.04	81.96
80	2.50	0.180	19.02	20.02	79.98
120	3.00	0.125	25.27	26.60	73.40
170	3.50	0.090	38.89	40.93	59.07
200	3.75	0.075	50.94	53.62	46.38
230	4.00	0.063	75.40	79.37	20.63
PAN			95.01	100.00	0.00

PHI (5): -0.91      PHI (16): 1.49      PHI (25): 2.88  
PHI (50): 3.68      PHI (75): 3.96      PHI (84): 4.04  
PHI (95): 4.15

SIEVE LOSS(g): 0.00      SILT/CLAY: 46.38%  
SKEWNESS: -1.612      KURTOSIS: 1.923

## GRAPHIC METHOD

MEAN (PHI): 2.49      SORTING: 1.28  
MEAN (mm): 0.18      MEDIAN (mm): 0.08  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.67      SORTING: 1.73  
MEAN (mm): 0.16

DATA FILE NAME: LK-00-13 S#1.TAB

## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-13  
SAMPLE ELEV. (FT. NGVD): -58.3  
SAMPLE DEPTH (FT.): 3.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 92.13  
SAMPLE WEIGHT AFTER WASH (GRAMS): 69.10

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	5.29	5.74	94.26
5	-2.00	4.000	13.87	15.05	84.95
7	-1.50	2.800	16.82	18.26	81.74
10	-1.00	2.000	19.39	21.05	78.95
14	-0.50	1.400	21.98	23.86	76.14
18	0.00	1.000	25.09	27.23	72.77
25	0.50	0.710	29.17	31.66	68.34
35	1.00	0.500	33.63	36.50	63.50
45	1.50	0.355	36.66	39.79	60.21
60	2.00	0.250	39.29	42.65	57.35
80	2.50	0.180	41.82	45.39	54.61
120	3.00	0.125	47.74	51.82	48.18
170	3.50	0.090	61.06	66.28	33.72
200	3.75	0.075	66.02	71.66	28.34
230	4.00	0.063	79.92	86.74	13.26
PAN			92.12	99.99	0.01

PHI (5): -3.13      PHI (16): -1.85      PHI (25): -0.33  
PHI (50): 2.86      PHI (75): 3.81      PHI (84): 3.95  
PHI (95): 4.14

SIEVE LOSS (g): 0.01      SILT/CLAY: 28.34%  
SKEWNESS: -0.811      KURTOSIS: 0.720

## GRAPHIC METHOD

MEAN (PHI): 1.19      SORTING: 2.90  
MEAN (mm): 0.44      MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.24      SORTING: 2.50  
MEAN (mm): 0.42

DATA FILE NAME: LK-00-13 S#2.TAB



## GRADATION ANALYSIS REPORT

LIDO KEY VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: LK-00-13  
SAMPLE ELEV. (FT. NGVD): -61.1  
SAMPLE DEPTH (FT.): 6.3  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 97.74  
SAMPLE WEIGHT AFTER WASH (GRAMS): 74.39

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	1.14	1.17	98.83
5	-2.00	4.000	4.60	4.71	95.29
7	-1.50	2.800	7.09	7.25	92.75
10	-1.00	2.000	10.25	10.49	89.51
14	-0.50	1.400	12.97	13.27	86.73
18	0.00	1.000	15.25	15.60	84.40
25	0.50	0.710	18.25	18.67	81.33
35	1.00	0.500	22.06	22.57	77.43
45	1.50	0.355	25.95	26.55	73.45
60	2.00	0.250	31.03	31.75	68.25
80	2.50	0.180	37.00	37.86	62.14
120	3.00	0.125	48.76	49.89	50.11
170	3.50	0.090	64.34	65.83	34.17
200	3.75	0.075	70.59	72.22	27.78
230	4.00	0.063	85.34	87.31	12.69
PAN			97.72	99.98	0.02

PHI (5): -1.94      PHI (16): 0.06      PHI (25): 1.31  
PHI (50): 3.00      PHI (75): 3.80      PHI (84): 3.95  
PHI (95): 4.13

SIEVE LOSS (g): 0.02      SILT/CLAY: 27.78%  
SKEWNESS: -0.985      KURTOSIS: 0.999

## GRAPHIC METHOD

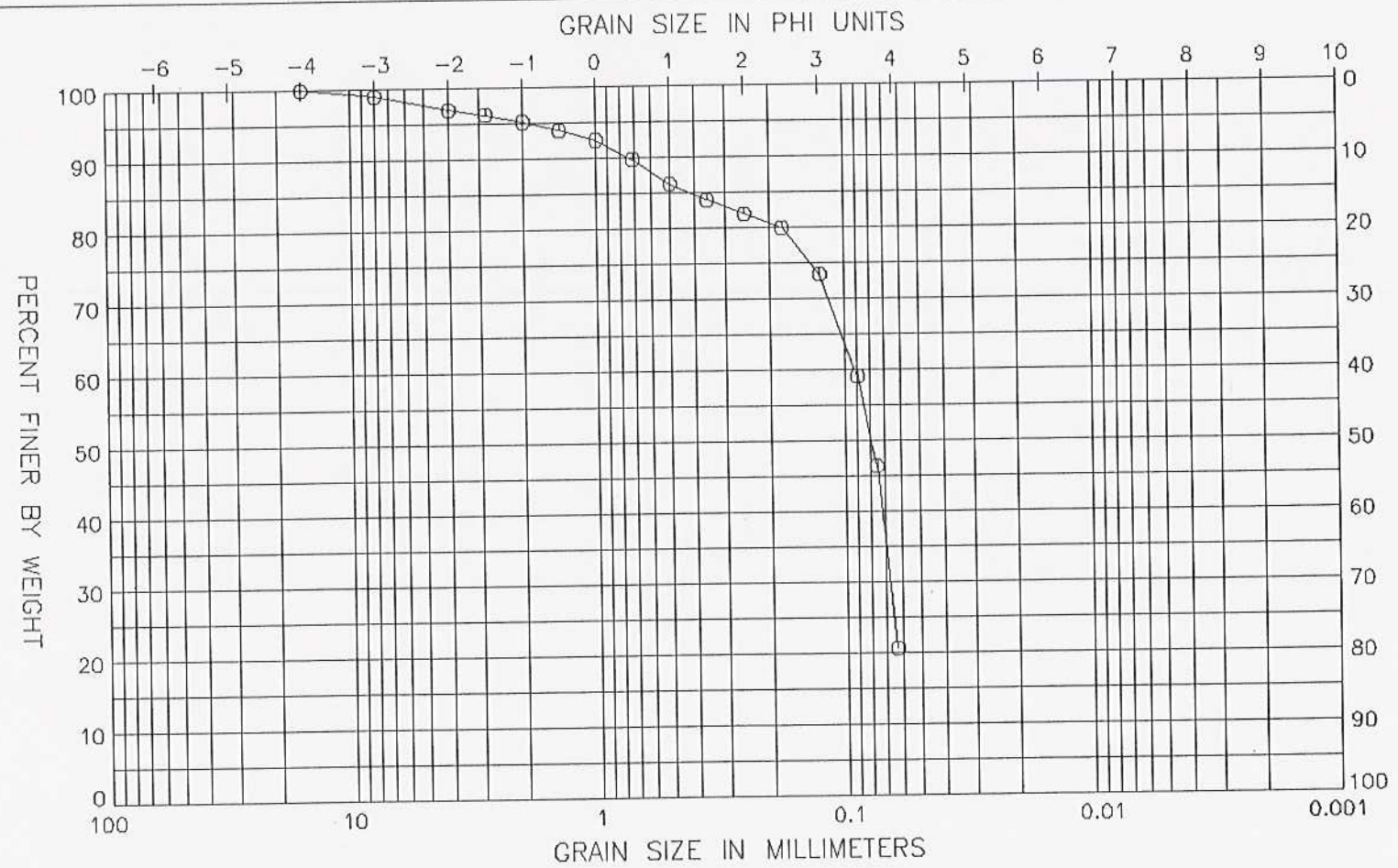
MEAN (PHI): 1.84      SORTING: 1.94  
MEAN (mm): 0.28      MEDIAN (mm): 0.12  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.99      SORTING: 1.94  
MEAN (mm): 0.25

DATA FILE NAME: LK-00-13 S#3.TAB

PERCENT COARSER BY WEIGHT



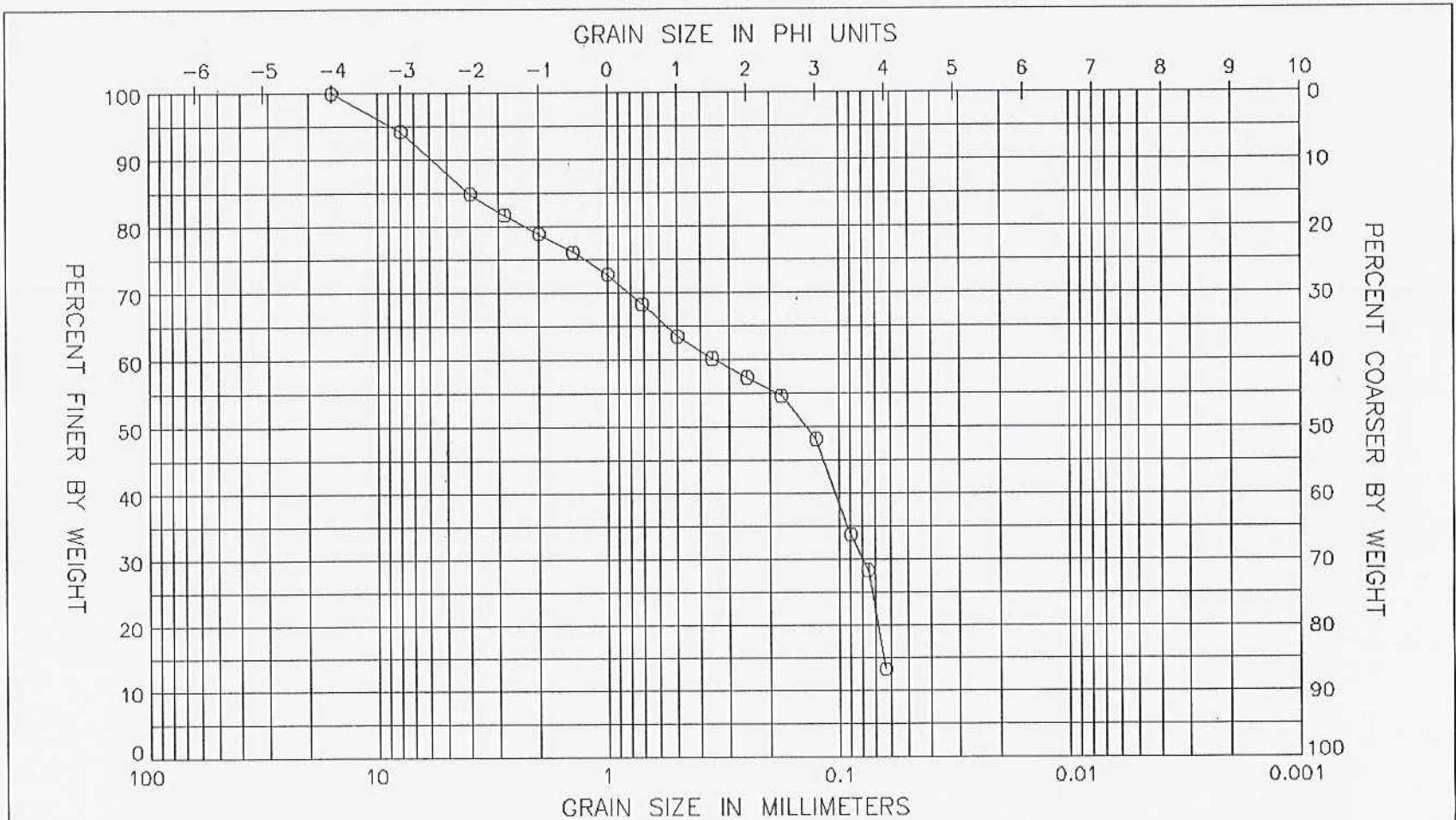
WENTWORTH CLASSIFICATION

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-00-13	-56.8	2.0	SP-SM	0.16	0.08	1.73

GRAIN SIZE DISTRIBUTION CURVE  
LIDO KEY VC 2000

# GRAIN SIZE DISTRIBUTION CURVE LIDO KEY VC 2000

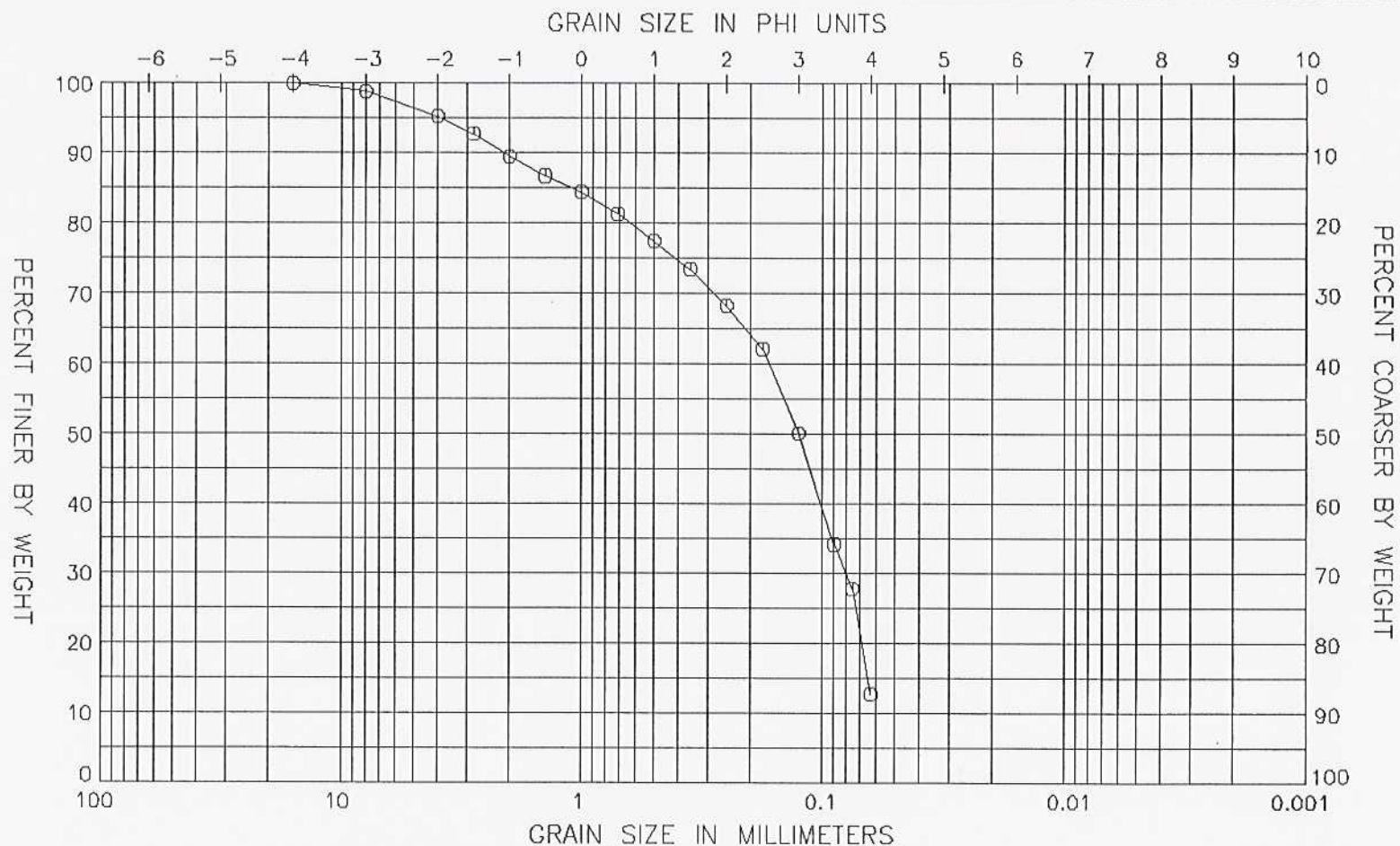


WENTWORTH CLASSIFICATION							
PEBBLE	GRAVEL	VERY	SAND		VERY	SILT	CLAY
		COARSE	COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
LK-00-13	-58.3	3.5	SP-SM	0.42	0.14	2.50



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-00-13 ①	-61.1	6.3	SP-SM	0.25	0.12	1.94