

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-23

COORDINATES:

N = 589963

E = 740056

DATE: 5/10/00

START TIME: 1715

END TIME: 1720

WATER DEPTH: 34.5'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20'	-34.5	0		SEA FLOOR
PENETRATION DEPTH: 2.0'		1		
JET PUMP TYPE: Briggs and Stratton 3.0 hp		2		SAND, shell hash, gray
GAL/HR: 8460	-36.5	3		
DIAMETER OF PIPE: 1.5"	-37.5	4		ROCK
SUPPORT VESSEL: CPE II		5		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		6		
NAVIGATION SYSTEM: "HYPACK"		7		
WEATHER:		8		
WIND:		9		
DIR: S-SE		10		
SPEED: 5-10 KT		11		
WAVES:		12		
DIR: NE		13		
HIEGHT: 1-2 ft		14		
CURRENT:		15		
DIR: NA		16		
SPEED: 1-2 KT		17		
		18		
		19		
		20		
		21		SAND SAMPLES
		22		SURFACE: 0.61mm, 2.3% silt
		23		MID: 0.56mm, 2.8% silt
		24		BOTTOM: 0.58mm, 3.2% silt
TURBIDITY:				
TOP (0' - 1'): MOD				
BOTTOM: (1' - 2'): MOD				
DRAWN BY: TT	CHECKED BY:			
COMM.NO: 8410.02				

GRADATION ANALYSIS REPORT
ESTERO JET PROBES 2000
TESTED BY: ID ON: 5/00

SAMPLE NO.: JP#23 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.70

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	0.59	0.59	99.41
7	-1.50	2.800	1.37	1.37	98.63
10	-1.00	2.000	2.21	2.21	97.79
14	-0.50	1.400	4.80	4.80	95.20
18	0.00	1.000	10.31	10.31	89.69
25	0.50	0.710	31.16	31.16	68.84
35	1.00	0.500	68.53	68.52	31.48
45	1.50	0.355	90.74	90.73	9.27
60	2.00	0.250	96.65	96.64	3.36
80	2.50	0.180	97.36	97.35	2.65
120	3.00	0.125	97.54	97.53	2.47
170	3.50	0.090	97.62	97.61	2.39
200	3.75	0.075	97.69	97.68	2.32
230	4.00	0.063	98.85	98.85	1.15
PAN			100.01	100.00	0.00

PHI(5): -0.48 PHI(16): 0.14 PHI(25): 0.35
PHI(50): 0.75 PHI(75): 1.15 PHI(84): 1.35
PHI(95): 1.86

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.32%
SKEWNESS: -0.103 KURTOSIS: 1.210

GRAPHIC METHOD

MEAN (PHI): 0.72 SORTING: 0.61
MEAN (mm): 0.61 MEDIAN (mm): 0.59
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.72 SORTING: 0.76
MEAN (mm): 0.61

DATA FILE NAME: JP#23 TOP.TAB

GRADATION ANALYSIS REPORT
ESTERO JET PROBES 2000
TESTED BY: ID ON: 5/00

SAMPLE NO.: JP#23 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.13

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	0.04	0.04	99.96
7	-1.50	2.800	0.45	0.45	99.55
10	-1.00	2.000	1.14	1.14	98.86
14	-0.50	1.400	3.11	3.11	96.89
18	0.00	1.000	8.26	8.27	91.73
25	0.50	0.710	25.89	25.92	74.08
35	1.00	0.500	63.27	63.33	36.67
45	1.50	0.355	87.82	87.91	12.09
60	2.00	0.250	95.06	95.16	4.84
80	2.50	0.180	96.44	96.54	3.46
120	3.00	0.125	96.76	96.86	3.14
170	3.50	0.090	97.07	97.17	2.83
200	3.75	0.075	97.13	97.23	2.77
230	4.00	0.063	98.51	98.61	1.39
PAN			99.90	100.00	0.00

PHI(5): -0.32 PHI(16): 0.22 PHI(25): 0.47
PHI(50): 0.82 PHI(75): 1.24 PHI(84): 1.42
PHI(95): 1.99

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.77%
SKEWNESS: 0.024 KURTOSIS: 1.238

GRAPHIC METHOD

MEAN (PHI): 0.83 SORTING: 0.60
MEAN (mm): 0.56 MEDIAN (mm): 0.57
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.83 SORTING: 0.73
MEAN (mm): 0.56

DATA FILE NAME: JP#23 MID.TAB

GRADATION ANALYSIS REPORT
ESTERO JET PROBES 2000
TESTED BY: ID ON: 5/00

SAMPLE NO.: JP#23 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.04
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.90

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	0.23	0.23	99.77
7	-1.50	2.800	0.79	0.80	99.20
10	-1.00	2.000	1.87	1.89	98.11
14	-0.50	1.400	4.58	4.62	95.38
18	0.00	1.000	10.18	10.28	89.72
25	0.50	0.710	30.47	30.77	69.23
35	1.00	0.500	65.13	65.76	34.24
45	1.50	0.355	85.98	86.81	13.19
60	2.00	0.250	93.37	94.28	5.72
80	2.50	0.180	94.88	95.80	4.20
120	3.00	0.125	95.37	96.29	3.71
170	3.50	0.090	95.85	96.78	3.22
200	3.75	0.075	95.90	96.83	3.17
230	4.00	0.063	97.47	98.41	1.59
PAN			99.04	100.00	0.00

PHI(5): -0.47 PHI(16): 0.14 PHI(25): 0.36
PHI(50): 0.77 PHI(75): 1.22 PHI(84): 1.43
PHI(95): 2.24

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.17%
SKEWNESS: 0.171 KURTOSIS: 1.289

GRAPHIC METHOD

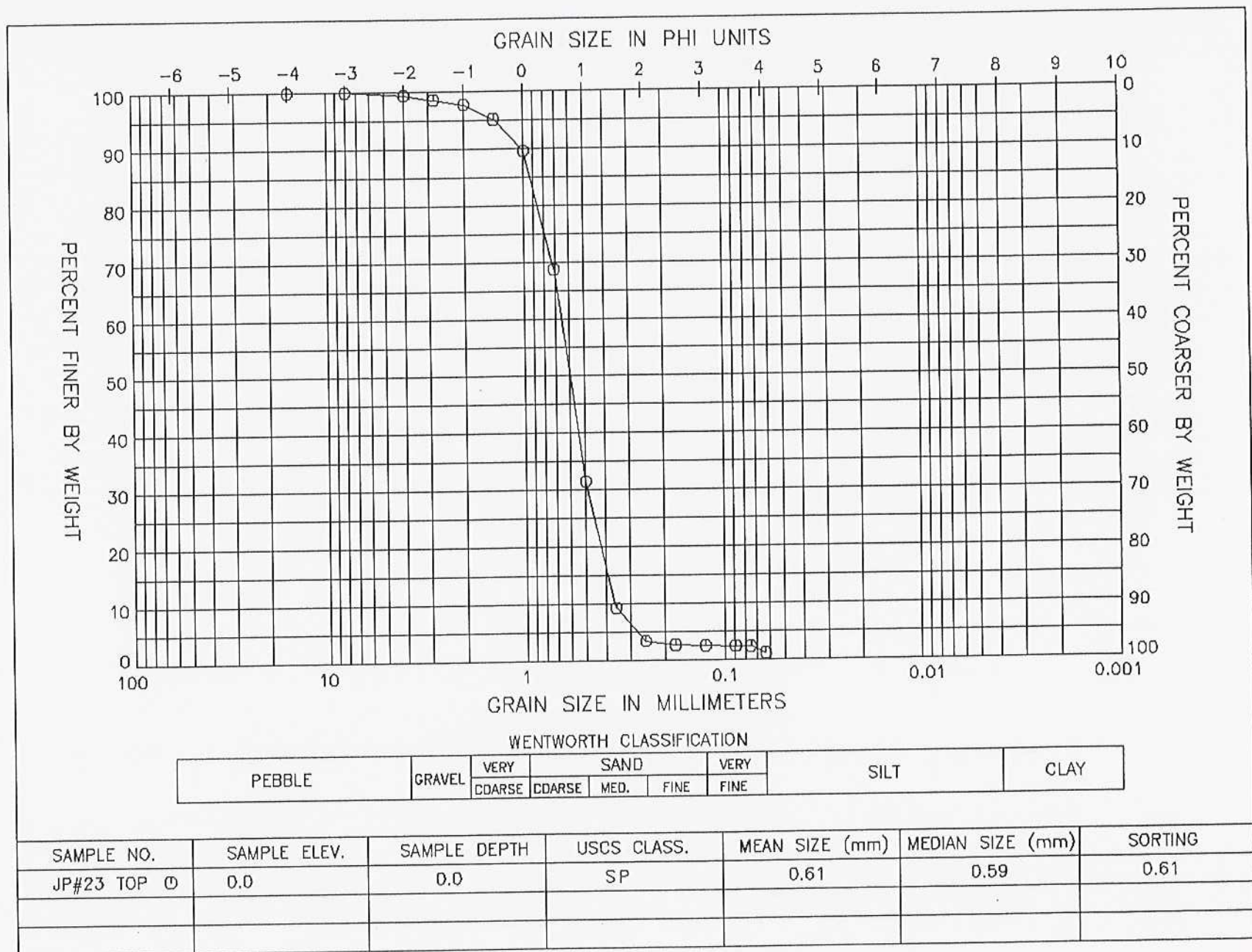
MEAN (PHI): 0.82 SORTING: 0.65
MEAN (mm): 0.56 MEDIAN (mm): 0.58
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

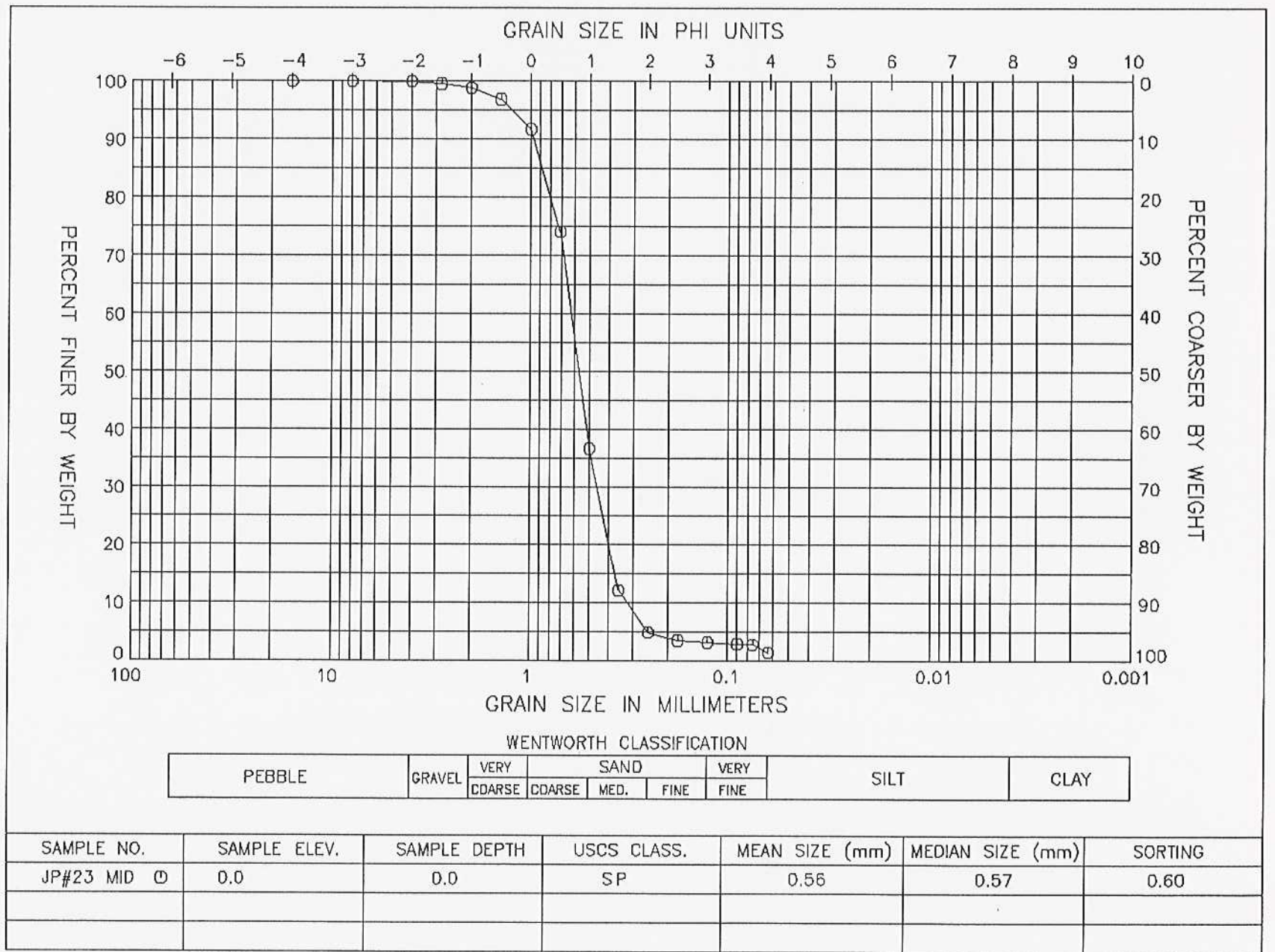
MEAN (PHI): 0.78 SORTING: 0.81
MEAN (mm): 0.58

DATA FILE NAME: JP#23 BOTT.TAB

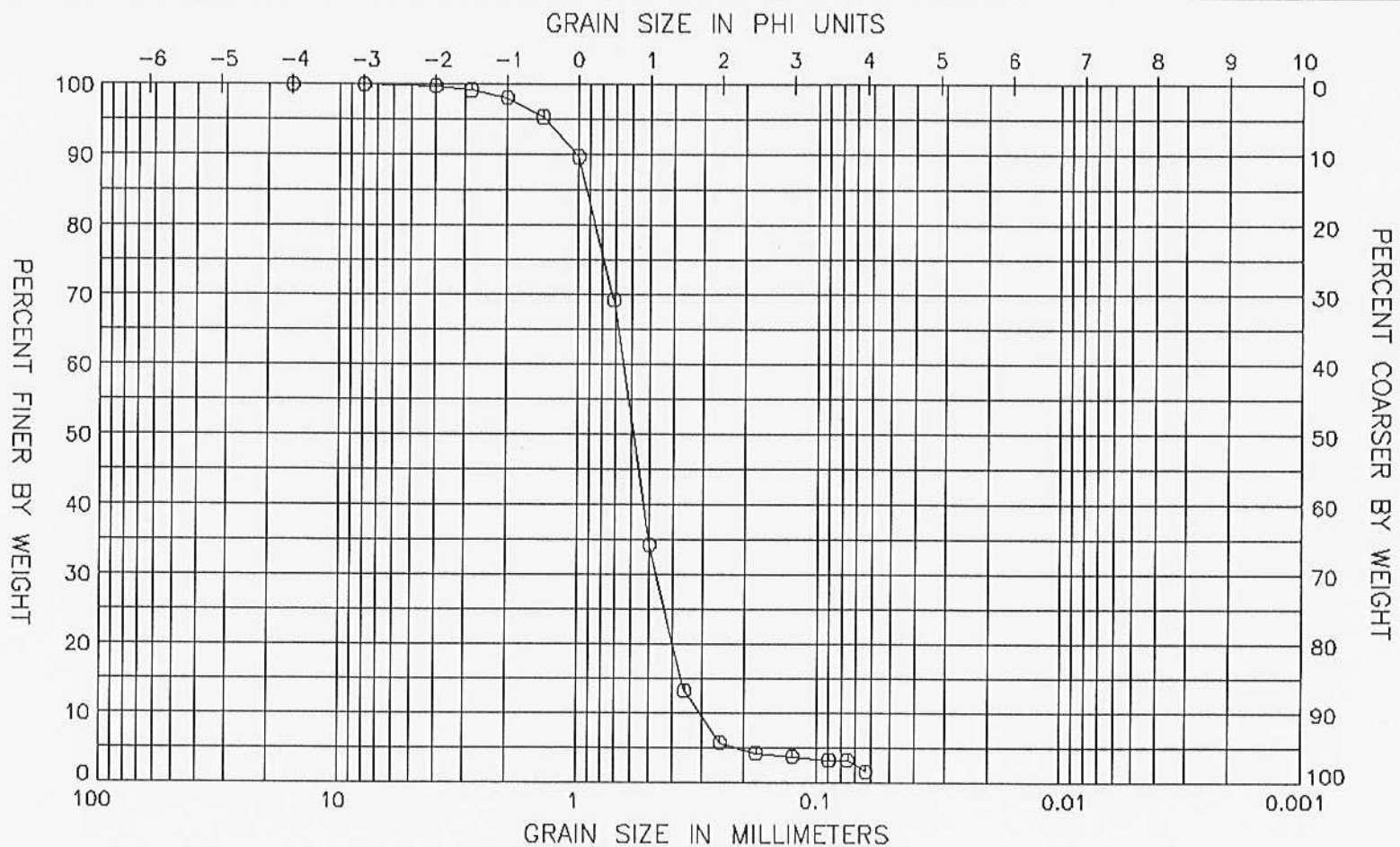
GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 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
JP#23 BOTT Ø	0.0	0.0	SP	0.56	0.58	0.65