

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-9

COORDINATES:

N = 664324

E = 762649

DATE: 5/10/00

START TIME: 1124

END TIME: 1126

WATER DEPTH: 7.0'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 15.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-7	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		SAND, fine grained, gray,
		4		
		5		
	-13	6		
WEATHER: WIND: DIR: S-SE SPEED: 5-10 KT WAVES: DIR: NE HIEGHT: 1-2 ft CURRENT: DIR: NA SPEED: 1-2 KT	-13.5	7		SHELL HASH AND FRAGMENTS
		8		
		9		SAND, fine grained, gray
		10		
		11		
	-19	12		
	-19.5	13		SHELL HASH AND FRAGMENTS
		14		SAND, fine grained, silty, gray
	-22	15		
	-23	16		ROCK
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 8'): LOW BOTTOM: (8' - 15'): MOD		22		SURFACE: 0.12mm, 10 % silt
		23		MID: 0.12mm, 15.0% silt
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		24		BOTTOM: 0.22mm, 10.9% silt

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

SAMPLE NO.: JP#9 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.97
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.31

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	0.00	0.00	100.00
10	-1.00	2.000	0.02	0.02	99.98
14	-0.50	1.400	0.03	0.03	99.97
18	0.00	1.000	0.07	0.07	99.93
25	0.50	0.710	0.10	0.10	99.90
35	1.00	0.500	0.13	0.13	99.87
45	1.50	0.355	0.16	0.16	99.84
60	2.00	0.250	0.22	0.22	99.78
80	2.50	0.180	0.32	0.32	99.68
120	3.00	0.125	41.73	41.74	58.26
170	3.50	0.090	87.19	87.22	12.78
200	3.75	0.075	90.01	90.04	9.96
230	4.00	0.063	95.11	95.14	4.86
PAN			99.96	99.99	0.01

PHI(5): 2.56 PHI(16): 2.69 PHI(25): 2.80
PHI(50): 3.09 PHI(75): 3.37 PHI(84): 3.46
PHI(95): 3.99

SIEVE LOSS(g): 0.01 SILT/CLAY: 9.96%
SKEWNESS: 0.475 KURTOSIS: 1.037

GRAPHIC METHOD

MEAN (PHI): 3.16 SORTING: 0.39
MEAN (mm): 0.11 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.07 SORTING: 0.35
MEAN (mm): 0.12

DATA FILE NAME: JP#9 TOP.TAB

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

SAMPLE NO.: JP#9 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.86
SAMPLE WEIGHT AFTER WASH (GRAMS): 85.13

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	0.17	0.17	99.83
7	-1.50	2.800	0.19	0.19	99.81
10	-1.00	2.000	0.34	0.34	99.66
14	-0.50	1.400	0.59	0.59	99.41
18	0.00	1.000	0.80	0.80	99.20
25	0.50	0.710	1.04	1.04	98.96
35	1.00	0.500	1.29	1.29	98.71
45	1.50	0.355	1.51	1.51	98.49
60	2.00	0.250	1.69	1.69	98.31
80	2.50	0.180	2.02	2.02	97.98
120	3.00	0.125	28.74	28.78	71.22
170	3.50	0.090	81.19	81.30	18.70
200	3.75	0.075	84.86	84.98	15.02
230	4.00	0.063	92.48	92.60	7.40
PAN			99.85	99.99	0.01

PHI(5): 2.56 PHI(16): 2.76 PHI(25): 2.93
PHI(50): 3.20 PHI(75): 3.44 PHI(84): 3.68
PHI(95): 4.08

SIEVE LOSS(g): 0.01 SILT/CLAY: 15.02%
SKEWNESS: 0.250 KURTOSIS: 1.222

GRAPHIC METHOD

MEAN (PHI): 3.26 SORTING: 0.46
MEAN (mm): 0.10 MEDIAN (mm): 0.11
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.11 SORTING: 0.56
MEAN (mm): 0.12

DATA FILE NAME: JP#9 MID.TAB

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

SAMPLE NO.: JP#9 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.83
SAMPLE WEIGHT AFTER WASH (GRAMS): 89.19

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	1.41	1.41	98.59
7	-1.50	2.800	4.25	4.26	95.74
10	-1.00	2.000	7.49	7.50	92.50
14	-0.50	1.400	11.08	11.10	88.90
18	0.00	1.000	14.13	14.15	85.85
25	0.50	0.710	17.27	17.30	82.70
35	1.00	0.500	20.01	20.04	79.96
45	1.50	0.355	22.89	22.93	77.07
60	2.00	0.250	27.27	27.32	72.68
80	2.50	0.180	30.59	30.64	69.36
120	3.00	0.125	55.09	55.18	44.82
170	3.50	0.090	86.58	86.73	13.27
200	3.75	0.075	88.94	89.09	10.91
230	4.00	0.063	94.37	94.53	5.47
PAN			99.82	99.99	0.01

PHI(5): -1.39 PHI(16): 0.29 PHI(25): 1.74
PHI(50): 2.89 PHI(75): 3.31 PHI(84): 3.46
PHI(95): 4.02

SIEVE LOSS(g): 0.01 SILT/CLAY: 10.91%
SKEWNESS: -0.997 KURTOSIS: 1.404

GRAPHIC METHOD

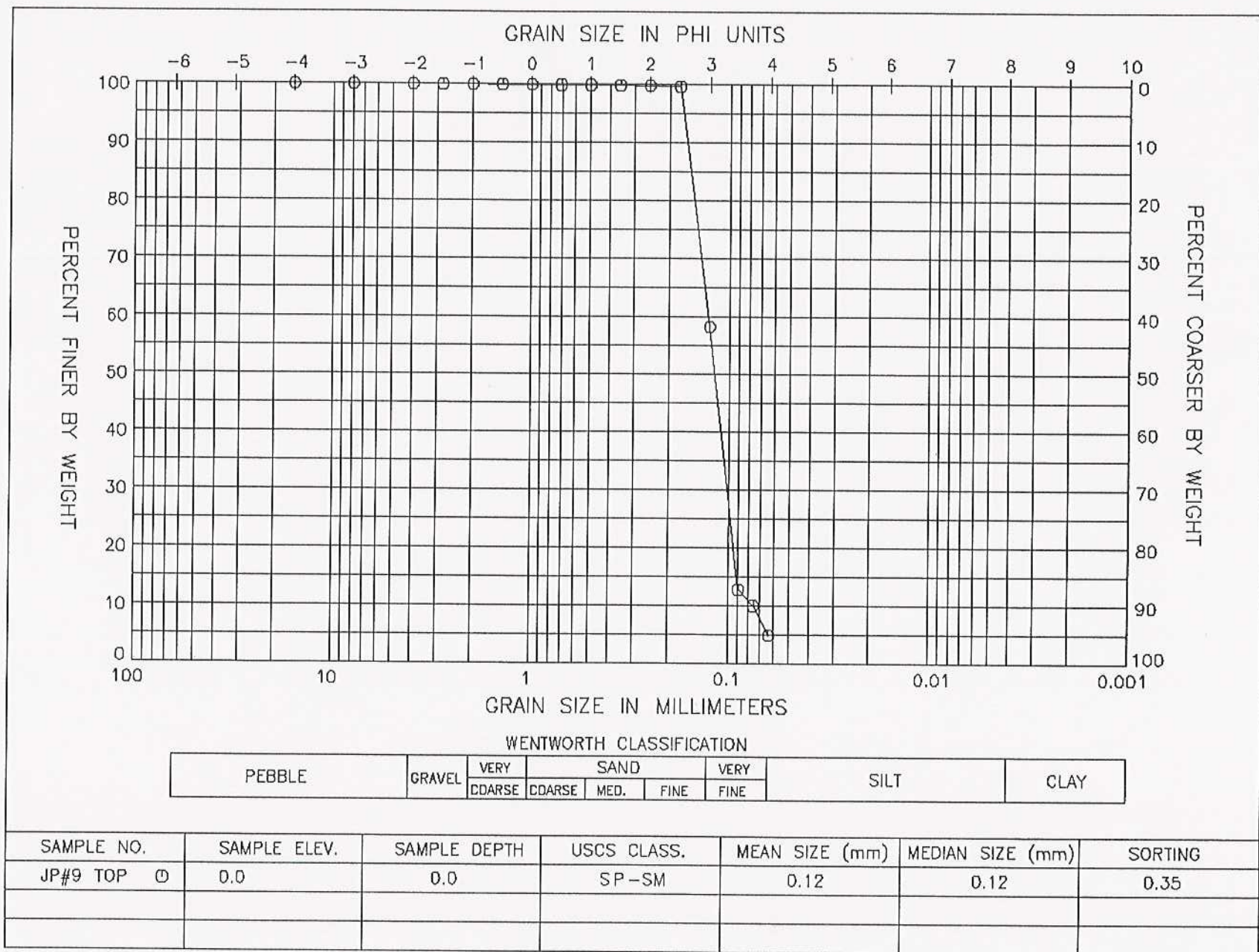
MEAN (PHI): 1.86 SORTING: 1.58
MEAN (mm): 0.28 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

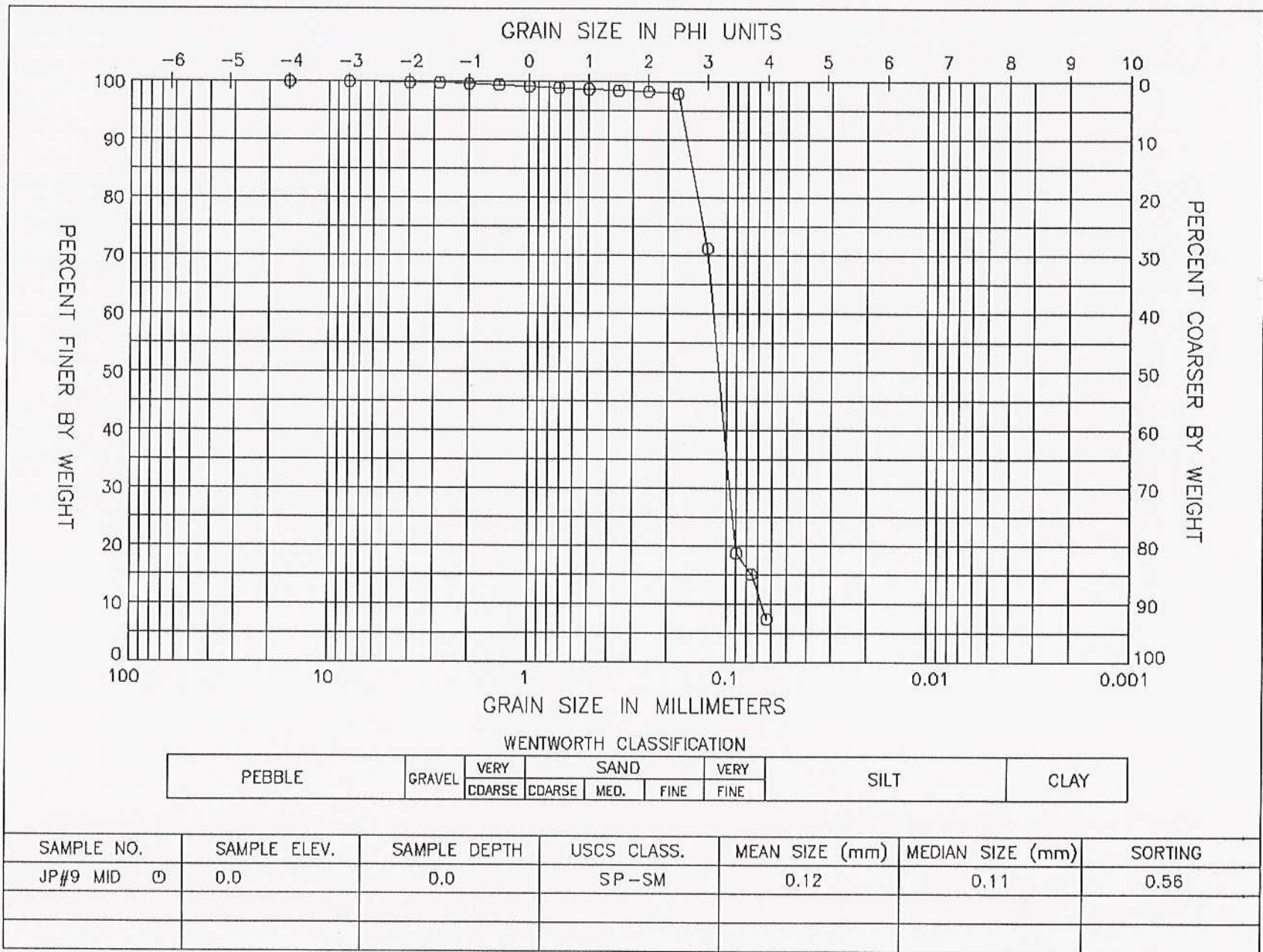
MEAN (PHI): 2.17 SORTING: 1.62
MEAN (mm): 0.22

DATA FILE NAME: JP#9 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

