

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-26

COORDINATES:

N = 664634

E = 757487

DATE: 5/9/00

START TIME: 1353

END TIME: 1359

WATER DEPTH: 11.5

TOP DIVER: CK

BOTTOM DIVER: JA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 20' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-11.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
WEATHER: WIND: DIR: S SPEED: 10-15 KT. WAVES: DIR: S HEIGHT: 3-4 ft		2		
		3		
		4		
		5		SAND, fine grained, shell hash, gray
		6		
		7		
		8		
		9		
		10		
	-22.5	11		
CURRENT: DIR: NONE SPEED: NONE		12		
		13		
		14		
		15		SAND, fine grained, shell hash, gray
		16		
		17		
		18		
		19		
	-31.5	20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 10'): MOD BOTTOM: (10' - 20'): HIGH		22		SURFACE: 0.10, 4.2% silt
		23		MID: 0.12mm, 6.4% silt
DRAWN BY: TT COMM.NO: 8410.02		24		BOTTOM: 0.11mm, 5.4% silt

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

SAMPLE NO.: JP#26 TOP
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): 96.93

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	0.10	0.10	99.90
7	-1.50	2.800	0.11	0.11	99.89
10	-1.00	2.000	0.15	0.15	99.85
14	-0.50	1.400	0.19	0.19	99.81
18	0.00	1.000	0.22	0.22	99.78
25	0.50	0.710	0.24	0.24	99.76
35	1.00	0.500	0.29	0.29	99.71
45	1.50	0.355	0.37	0.37	99.63
60	2.00	0.250	0.46	0.46	99.54
80	2.50	0.180	0.61	0.61	99.39
120	3.00	0.125	13.89	13.90	86.10
170	3.50	0.090	73.48	73.55	26.45
200	3.75	0.075	95.74	95.84	4.16
230	4.00	0.063	98.32	98.42	1.58
PAN			99.88	99.98	0.02

PHI(5): 2.67 PHI(16): 3.02 PHI(25): 3.09
PHI(50): 3.30 PHI(75): 3.52 PHI(84): 3.62
PHI(95): 3.74

SIEVE LOSS(g): 0.02 SILT/CLAY: 4.16%
SKEWNESS: -0.333 KURTOSIS: 1.042

GRAPHIC METHOD

MEAN (PHI): 3.27 SORTING: 0.30
MEAN (mm): 0.10 MEDIAN (mm): 0.10
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.27 SORTING: 0.38
MEAN (mm): 0.10

DATA FILE NAME: JP#26 TOP.TAB

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

SAMPLE NO.: JP#26 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 85.93
SAMPLE WEIGHT AFTER WASH (GRAMS): 81.85

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	0.89	1.04	98.96
7	-1.50	2.800	1.41	1.64	98.36
10	-1.00	2.000	1.66	1.93	98.07
14	-0.50	1.400	2.07	2.41	97.59
18	0.00	1.000	2.43	2.83	97.17
25	0.50	0.710	2.85	3.32	96.68
35	1.00	0.500	3.31	3.85	96.15
45	1.50	0.355	3.86	4.49	95.51
60	2.00	0.250	4.93	5.74	94.26
80	2.50	0.180	7.29	8.48	91.52
120	3.00	0.125	18.26	21.25	78.75
170	3.50	0.090	71.75	83.50	16.50
200	3.75	0.075	80.45	93.62	6.38
230	4.00	0.063	83.67	97.37	2.63
PAN			85.92	99.99	0.01

PHI(5): 1.70 PHI(16): 2.79 PHI(25): 3.03
PHI(50): 3.23 PHI(75): 3.43 PHI(84): 3.51
PHI(95): 3.84

SIEVE LOSS(g): 0.01 SILT/CLAY: 6.38%
SKEWNESS: -1.276 KURTOSIS: 2.182

GRAPHIC METHOD

MEAN (PHI): 3.02 SORTING: 0.36
MEAN (mm): 0.12 MEDIAN (mm): 0.11
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.02 SORTING: 0.93
MEAN (mm): 0.12

DATA FILE NAME: JP#26 MID.TAB

GRADATION ANALYSIS REPORT

ESTERO JET PROBES 2000

TESTED BY: ID ON: 5/00

SAMPLE NO.: JP#26 BOTT

SAMPLE ELEV. (FT. NGVD): 0.0

SAMPLE DEPTH (FT.): 0.0

SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.69

SAMPLE WEIGHT AFTER WASH (GRAMS): 96.14

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	0.16	0.16	99.84
7	-1.50	2.800	0.18	0.18	99.82
10	-1.00	2.000	0.28	0.28	99.72
14	-0.50	1.400	0.37	0.37	99.63
18	0.00	1.000	0.51	0.51	99.49
25	0.50	0.710	0.62	0.62	99.38
35	1.00	0.500	0.76	0.76	99.24
45	1.50	0.355	0.88	0.88	99.12
60	2.00	0.250	1.04	1.04	98.96
80	2.50	0.180	1.62	1.63	98.37
120	3.00	0.125	12.90	12.94	87.06
170	3.50	0.090	79.41	79.66	20.34
200	3.75	0.075	94.27	94.56	5.44
230	4.00	0.063	97.65	97.95	2.05
PAN			99.67	99.98	0.02

PHI(5): 2.65

PHI(16): 3.02

PHI(25): 3.09

PHI(50): 3.28

PHI(75): 3.47

PHI(84): 3.57

PHI(95): 3.78

SIEVE LOSS(g): 0.02

SILT/CLAY: 5.44%

SKEWNESS: -0.226

KURTOSIS: 1.239

GRAPHIC METHOD

MEAN (PHI): 3.26

SORTING: 0.27

MEAN (mm): 0.10

MEDIAN (mm): 0.10

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

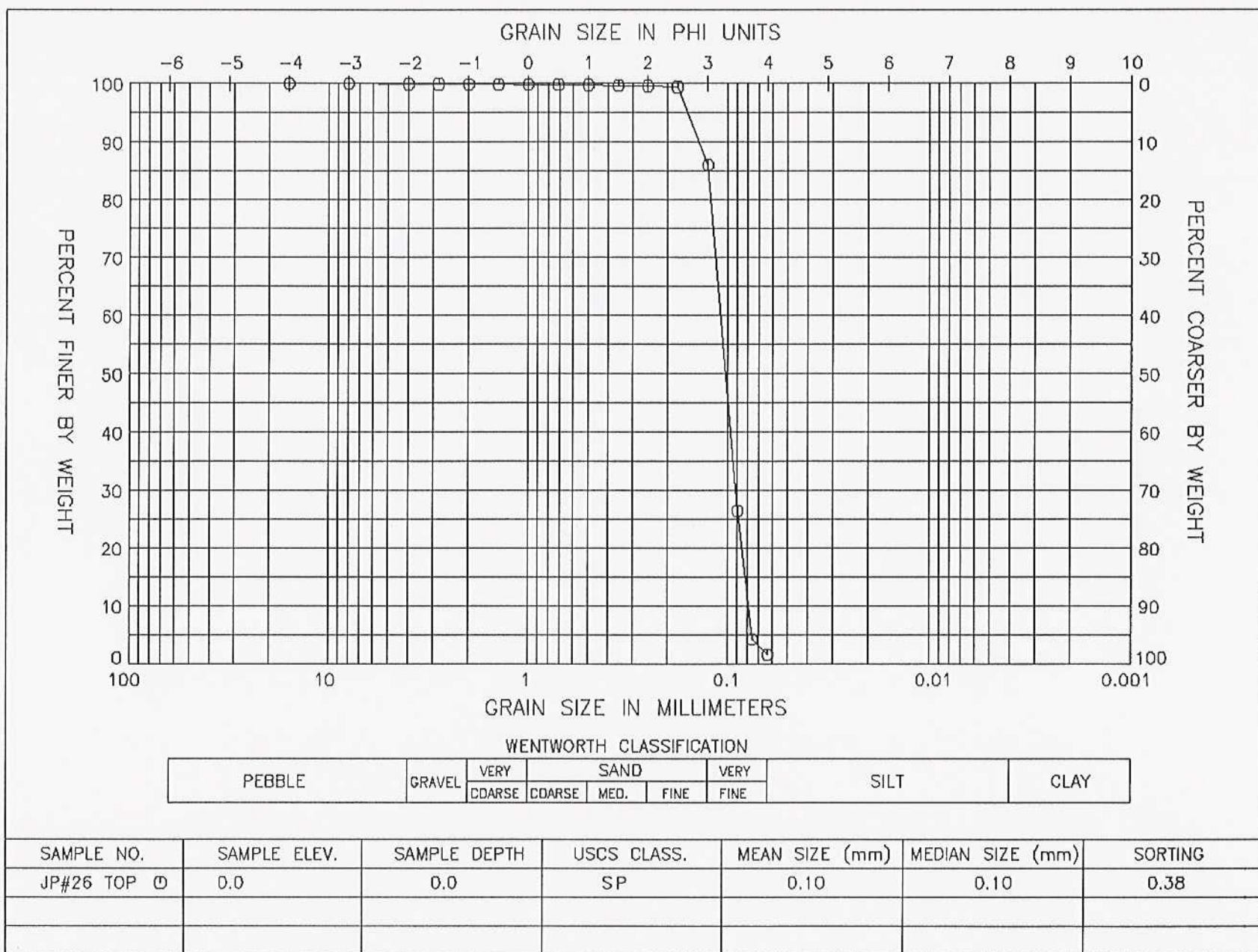
MEAN (PHI): 3.23

SORTING: 0.46

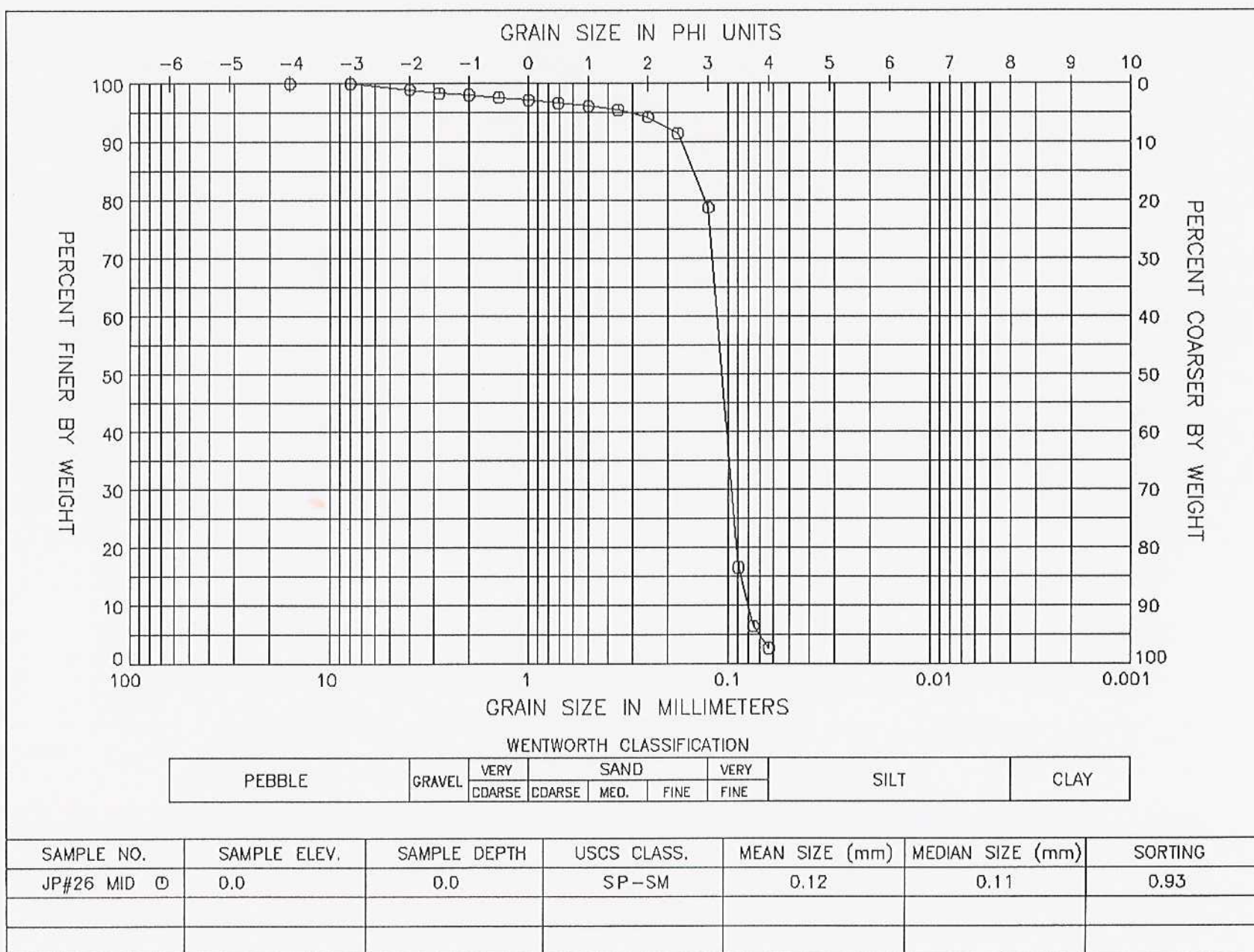
MEAN (mm): 0.11

DATA FILE NAME: JP#26 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



GRAIN SIZE IN PHI UNITS

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND				VERY FINE	SILT	CLAY
		VERY COARSE	COARSE	MED.	FINE			
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.		MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING	
JP#26 BOTT O	0.0	0.0	SP-SM		0.11	0.10	0.46	

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#26 BOTT ①	0.0	0.0	SP-SM	0.11	0.10	0.46