

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-1

COORDINATES:

N = 666057.7

E = 771572.6

DATE: 5/1/00

START TIME: 1345

END TIME: 1355

WATER DEPTH: 13.0'

TOP DIVER: CM

BOTTOM DIVER: TT

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"	-13	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		SAND, fine grained, some shell hash, gray
		4		
		5		
		6		
WEATHER: WIND: DIR: SE SPEED: 8-10 KT. WAVES: DIR: SE HEIGHT: 1 - 2 ft	-20	7		
		8		
		9		SAND, fine grained, shell hash, gray
		10		
	-24	11		
CURRENT: DIR: NONE SPEED: NONE		12		
		13		
		14		
		15		SAND, fine grained, shell hash, gray
		16		
		17		
		18		
		19		
	-33	20		
TURBIDITY: TOP (0' - 10'): MOD BOTTOM: (10' - 20'): MOD		21		SAND SAMPLES
		22		SURFACE: 0.24mm, 4.7% Silt
		23		MID: 0.39mm, 3.7% Silt
DRAWN BY: TT COMM.NO: 8410.02	CHECKED BY:	24		BOTTOM: 0.23mm, 5.5% Silt

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

SAMPLE NO.: JP#1 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.06
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.75

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	0.48	0.48	99.52
7	-1.50	2.800	1.85	1.85	98.15
10	-1.00	2.000	4.13	4.13	95.87
14	-0.50	1.400	7.37	7.37	92.63
18	0.00	1.000	10.20	10.19	89.81
25	0.50	0.710	13.48	13.47	86.53
35	1.00	0.500	17.93	17.92	82.08
45	1.50	0.355	24.92	24.91	75.09
60	2.00	0.250	38.03	38.01	61.99
80	2.50	0.180	48.65	48.62	51.38
120	3.00	0.125	74.94	74.90	25.10
170	3.50	0.090	92.78	92.72	7.28
200	3.75	0.075	95.33	95.27	4.73
230	4.00	0.063	97.89	97.84	2.16
PAN			100.05	99.99	0.01

PHI (5): -0.87 PHI (16): 0.78 PHI (25): 1.50
PHI (50): 2.53 PHI (75): 3.00 PHI (84): 3.26
PHI (95): 3.72

SIEVE LOSS(g): 0.01 SILT/CLAY: 4.73%
SKEWNESS: -0.888 KURTOSIS: 1.254

GRAPHIC METHOD

MEAN (PHI): 1.88 SORTING: 1.24
MEAN (mm): 0.27 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.04 SORTING: 1.33
MEAN (mm): 0.24

DATA FILE NAME: JP#1 TOP.TAB

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

SAMPLE NO.: JP#1 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.29
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.00

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	5.18	5.17	94.83
7	-1.50	2.800	10.32	10.29	89.71
10	-1.00	2.000	15.51	15.47	84.53
14	-0.50	1.400	21.26	21.20	78.80
18	0.00	1.000	25.28	25.21	74.79
25	0.50	0.710	29.23	29.15	70.85
35	1.00	0.500	33.75	33.65	66.35
45	1.50	0.355	40.90	40.78	59.22
60	2.00	0.250	54.17	54.01	45.99
80	2.50	0.180	63.04	62.86	37.14
120	3.00	0.125	73.71	73.50	26.50
170	3.50	0.090	94.61	94.34	5.66
200	3.75	0.075	96.58	96.30	3.70
230	4.00	0.063	98.60	98.32	1.68
PAN			100.29	100.00	0.00

PHI(5): -2.03 PHI(16): -0.95 PHI(25): -0.03
PHI(50): 1.85 PHI(75): 3.04 PHI(84): 3.25
PHI(95): 3.58

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.70%
SKEWNESS: -0.510 KURTOSIS: 0.752

GRAPHIC METHOD

MEAN (PHI): 1.14 SORTING: 2.10
MEAN (mm): 0.45 MEDIAN (mm): 0.28
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.37 SORTING: 1.84
MEAN (mm): 0.39

DATA FILE NAME: JP#1 MID.TAB

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

SAMPLE NO.: JP#1 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.02
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.32

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	1.62	1.62	98.38
7	-1.50	2.800	3.22	3.22	96.78
10	-1.00	2.000	5.29	5.29	94.71
14	-0.50	1.400	8.30	8.30	91.70
18	0.00	1.000	10.54	10.54	89.46
25	0.50	0.710	13.26	13.26	86.74
35	1.00	0.500	16.65	16.65	83.35
45	1.50	0.355	21.69	21.69	78.31
60	2.00	0.250	33.05	33.04	66.96
80	2.50	0.180	42.47	42.46	57.54
120	3.00	0.125	69.93	69.92	30.08
170	3.50	0.090	90.93	90.91	9.09
200	3.75	0.075	94.57	94.55	5.45
230	4.00	0.063	97.59	97.57	2.43
PAN			100.01	99.99	0.01

PHI (5): -1.07 PHI (16): 0.90 PHI (25): 1.65
PHI (50): 2.64 PHI (75): 3.12 PHI (84): 3.34
PHI (95): 3.79

SIEVE LOSS(g): 0.01 SILT/CLAY: 5.45%
SKEWNESS: -1.052 KURTOSIS: 1.349

GRAPHIC METHOD

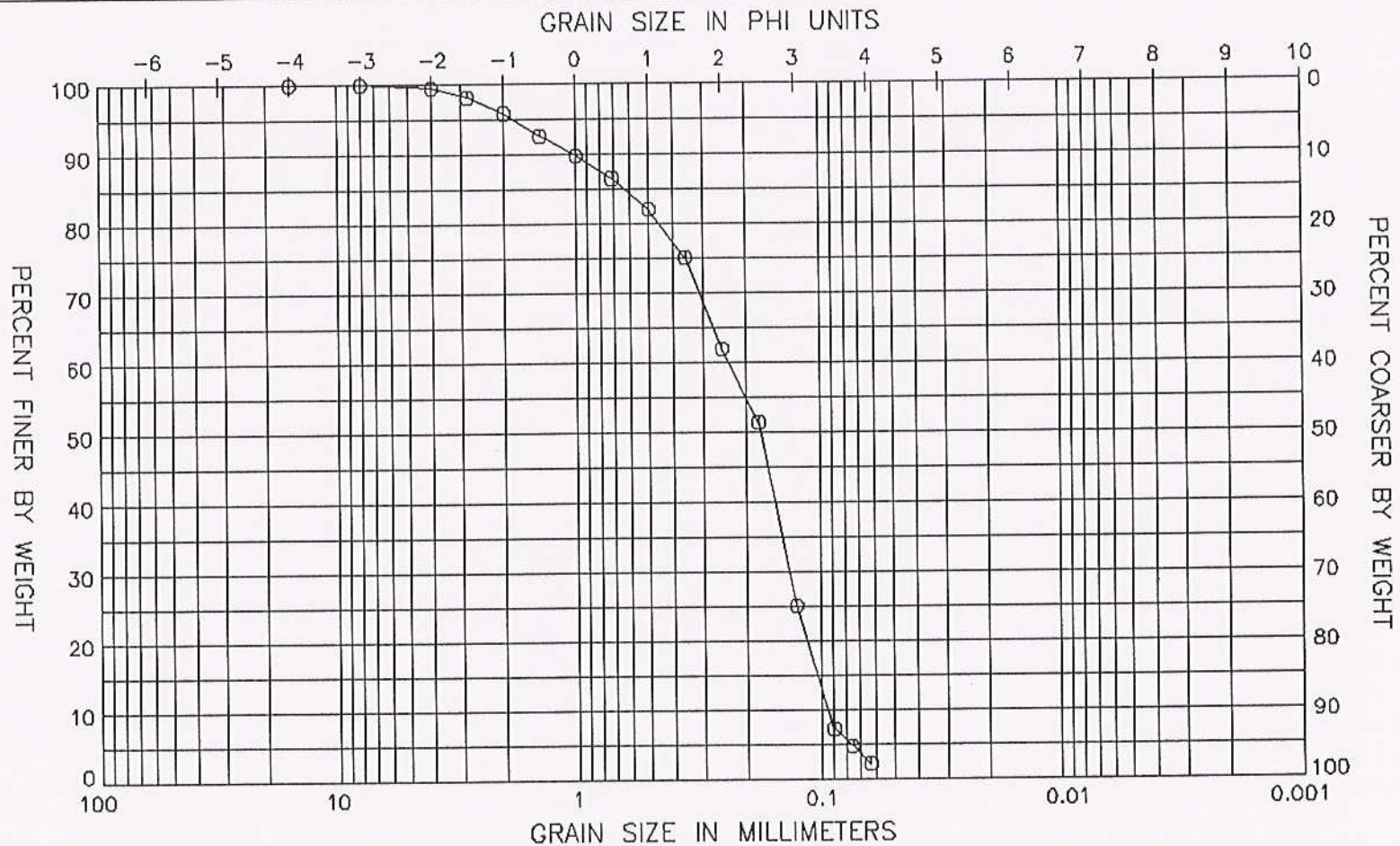
MEAN (PHI): 1.92 SORTING: 1.22
MEAN (mm): 0.26 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.12 SORTING: 1.42
MEAN (mm): 0.23

DATA FILE NAME: JP#1 BOTTOM.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000

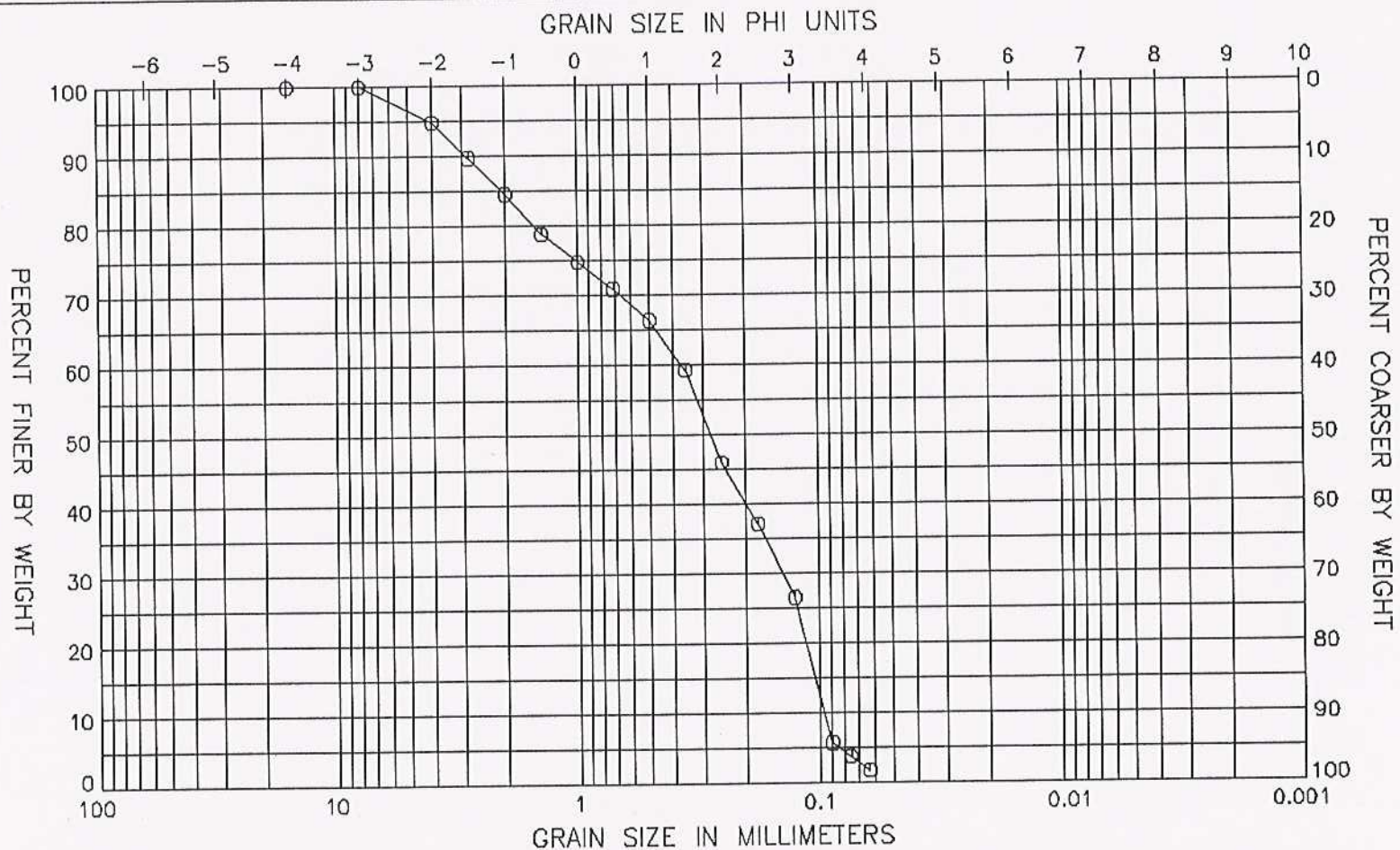


WENTWORTH CLASSIFICATION

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#1 TOP \odot	0.0	0.0	SP	0.24	0.17	1.33

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

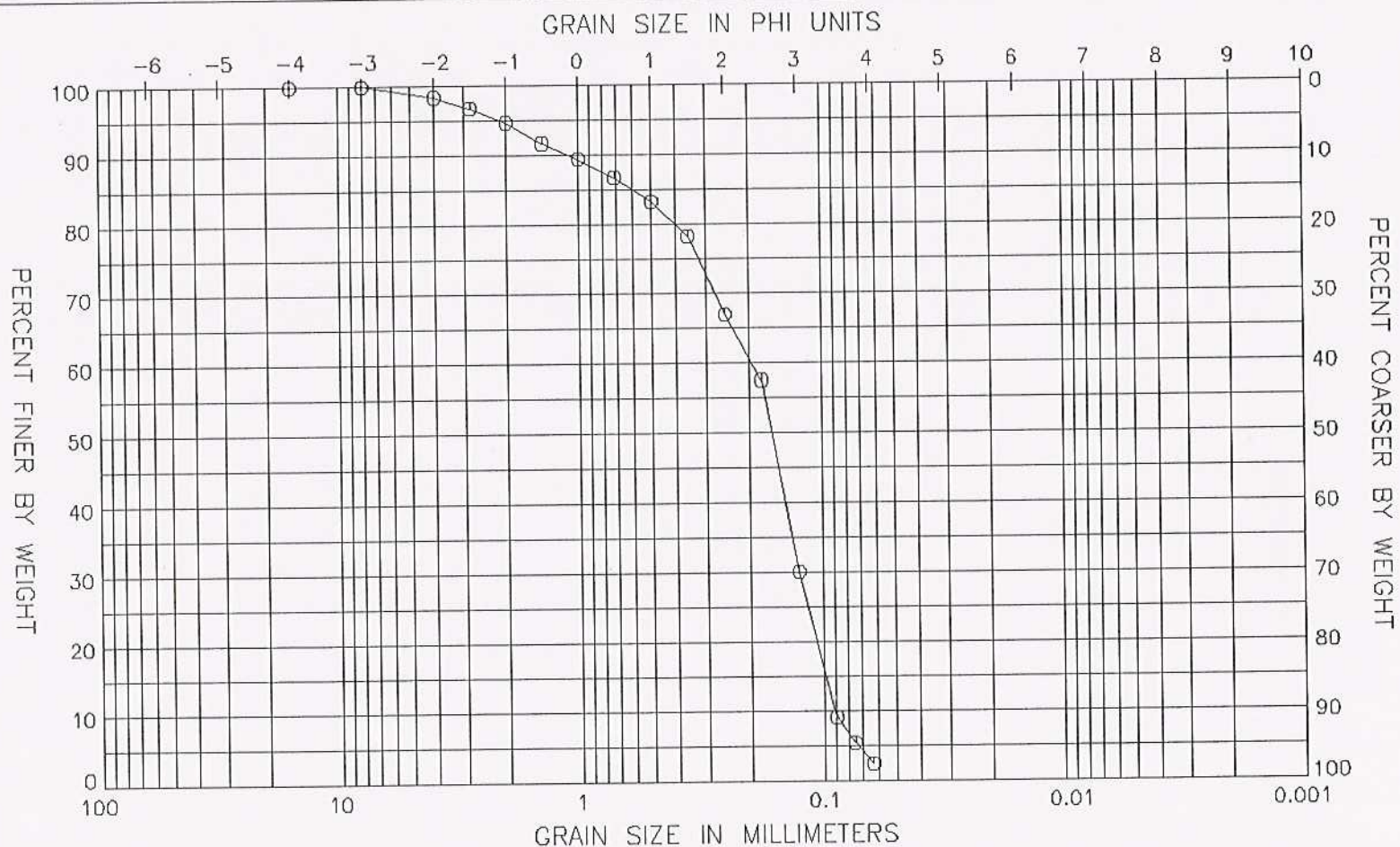


WENTWORTH CLASSIFICATION

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#1 MID ①	0.0	0.0	SP	0.39	0.28	1.84

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#1 BOTT ①	0.0	0.0	SP-SM	0.23	0.16	1.42