

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-25

COORDINATES:

N = 569557

E = 738495

DATE: 5/11/00

START TIME: 0950

END TIME: 0957

WATER DEPTH: 40.5'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 6.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-40.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-46.5	1		SAND, fine grained, some fine shell hash, gray
		2		
		3		
		4		
		5		
WEATHER: WIND: DIR: VARIABLE SPEED: <5 KT WAVES: DIR: VARIABLE HIEGHT: <1 CURRENT: DIR: NONE SPEED: NONE	-47.5	6		ROCK
		7		SAND SAMPLES SURFACE: 0.34mm, 2.1% silt MID: 0.36mm, 1.7% silt BOTTOM: 0.31mm, 2.9% silt
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
TURBIDITY: TOP (0' - 3'): LOW BOTTOM: (3' - 6'): LOW		22		
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		23		
		24		

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

SAMPLE NO.: JP#25 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.25
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.18

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	0.14	0.14	99.86
7	-1.50	2.800	0.31	0.31	99.69
10	-1.00	2.000	0.87	0.87	99.13
14	-0.50	1.400	1.69	1.69	98.31
18	0.00	1.000	3.30	3.29	96.71
25	0.50	0.710	8.84	8.82	91.18
35	1.00	0.500	20.13	20.08	79.92
45	1.50	0.355	36.91	36.82	63.18
60	2.00	0.250	73.28	73.10	26.90
80	2.50	0.180	94.36	94.12	5.88
120	3.00	0.125	94.66	94.42	5.58
170	3.50	0.090	98.11	97.87	2.13
200	3.75	0.075	98.17	97.93	2.07
230	4.00	0.063	99.21	98.97	1.03
PAN			100.25	100.00	0.00

PHI(5): 0.15 PHI(16): 0.82 PHI(25): 1.15
PHI(50): 1.68 PHI(75): 2.05 PHI(84): 2.26
PHI(95): 3.08

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.07%
SKEWNESS: -0.087 KURTOSIS: 1.336

GRAPHIC METHOD

MEAN (PHI): 1.60 SORTING: 0.72
MEAN (mm): 0.33 MEDIAN (mm): 0.31
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.57 SORTING: 0.80
MEAN (mm): 0.34

DATA FILE NAME: JP#25 TOP.TAB

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

SAMPLE NO.: JP#25 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.19
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.53

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	0.12	0.12	99.88
7	-1.50	2.800	0.67	0.67	99.33
10	-1.00	2.000	1.24	1.24	98.76
14	-0.50	1.400	2.42	2.42	97.58
18	0.00	1.000	4.87	4.86	95.14
25	0.50	0.710	11.24	11.22	88.78
35	1.00	0.500	24.63	24.58	75.42
45	1.50	0.355	42.57	42.49	57.51
60	2.00	0.250	75.39	75.25	24.75
80	2.50	0.180	94.63	94.45	5.55
120	3.00	0.125	97.97	97.78	2.22
170	3.50	0.090	98.40	98.21	1.79
200	3.75	0.075	98.50	98.31	1.69
230	4.00	0.063	99.35	99.16	0.84
PAN			100.19	100.00	0.00

PHI(5): 0.01 PHI(16): 0.68 PHI(25): 1.01
PHI(50): 1.61 PHI(75): 2.00 PHI(84): 2.23
PHI(95): 2.58

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.69%
SKEWNESS: -0.411 KURTOSIS: 1.070

GRAPHIC METHOD

MEAN (PHI): 1.42 SORTING: 0.77
MEAN (mm): 0.37 MEDIAN (mm): 0.33
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.47 SORTING: 0.83
MEAN (mm): 0.36

DATA FILE NAME: JP#25 MID.TAB

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

SAMPLE NO.: JP#25 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.16

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	0.35	0.35	99.65
7	-1.50	2.800	0.74	0.74	99.26
10	-1.00	2.000	1.11	1.11	98.89
14	-0.50	1.400	1.98	1.98	98.02
18	0.00	1.000	3.49	3.49	96.51
25	0.50	0.710	7.70	7.70	92.30
35	1.00	0.500	15.97	15.97	84.03
45	1.50	0.355	29.38	29.38	70.62
60	2.00	0.250	62.96	62.96	37.04
80	2.50	0.180	89.71	89.71	10.29
120	3.00	0.125	95.50	95.50	4.50
170	3.50	0.090	96.83	96.83	3.17
200	3.75	0.075	97.11	97.11	2.89
230	4.00	0.063	98.56	98.56	1.44
PAN			99.99	99.99	0.01

PHI(5): 0.18 PHI(16): 1.00 PHI(25): 1.34
PHI(50): 1.81 PHI(75): 2.23 PHI(84): 2.39
PHI(95): 2.96

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.89%
SKEWNESS: -0.343 KURTOSIS: 1.281

GRAPHIC METHOD

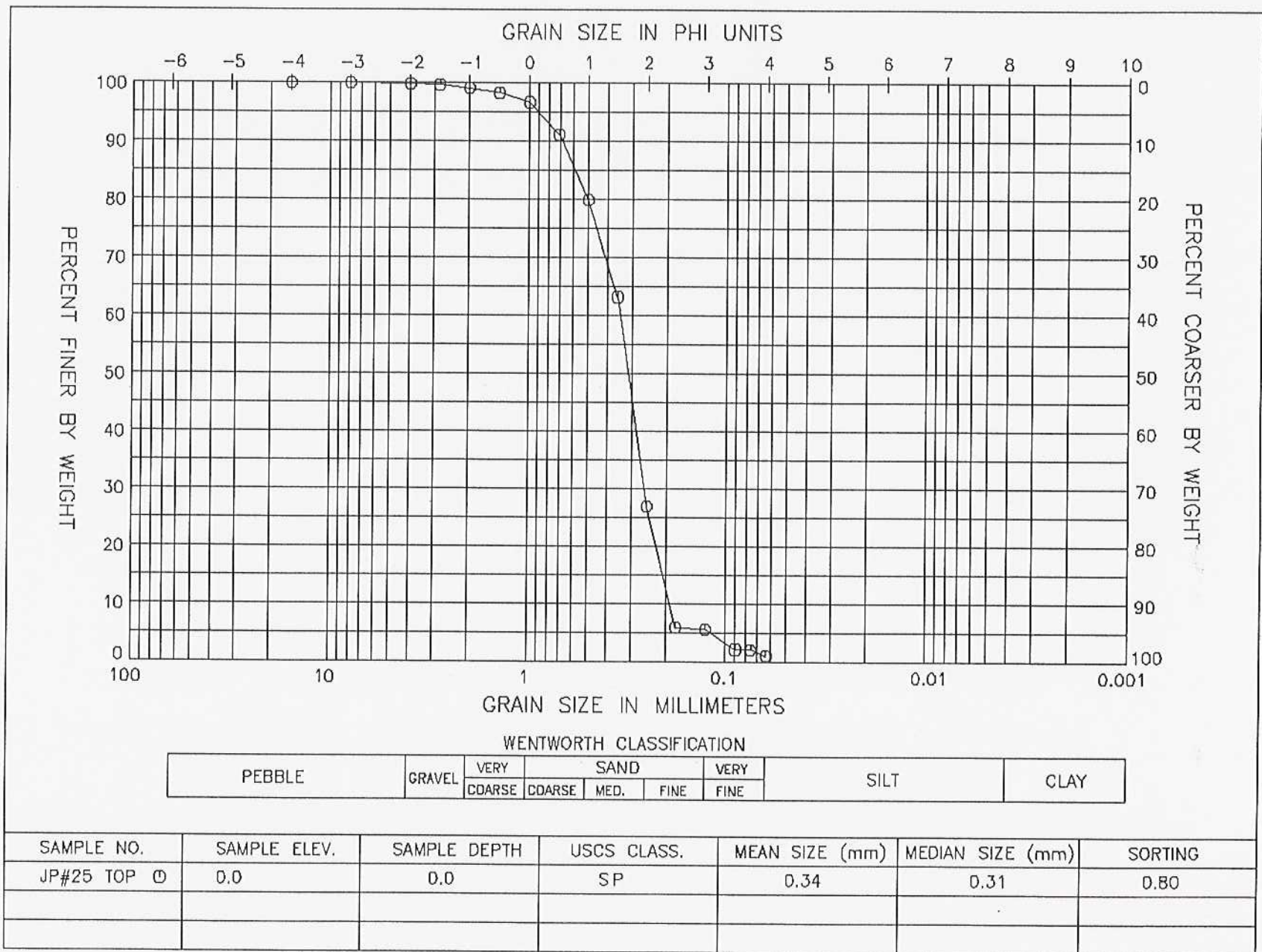
MEAN (PHI): 1.67 SORTING: 0.70
MEAN (mm): 0.31 MEDIAN (mm): 0.29
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

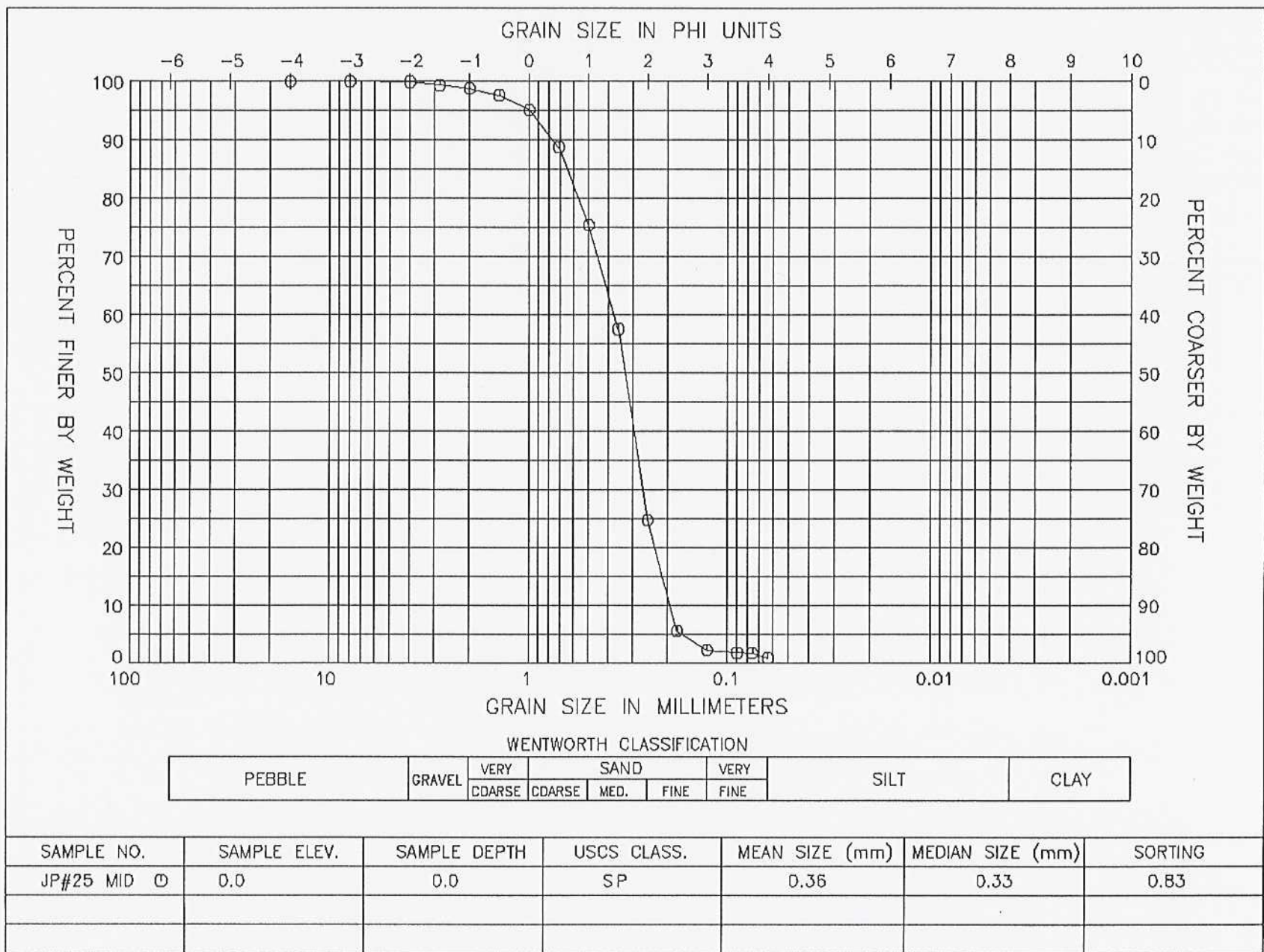
MEAN (PHI): 1.69 SORTING: 0.84
MEAN (mm): 0.31

DATA FILE NAME: JP#25 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

