

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-15

COORDINATES:

N = 692387

E = 745869

DATE: 5/9/00

START TIME: 1640

END TIME: 1645

WATER DEPTH: 10.5

TOP DIVER: CK

BOTTOM DIVER: JA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20'	-10.5	0		SEA FLOOR
PENETRATION DEPTH: 5.0'		1		
JET PUMP TYPE: Briggs and Stratton 3.0 hp		2		SAND, fine grained, shelly, dark gray
GAL/HR: 8460		3		
DIAMETER OF PIPE: 1.5"		4		
SUPPORT VESSEL: CPE II	-14	5		RUBBLE
POSITIONING: DIFFERENTIAL GPS USCG BEACON	-15.5	6		ROCK
NAVIGATION SYSTEM: "HYPACK"	-16.5	7		
WEATHER:		8		
WIND:		9		
DIR: S		10		
SPEED: 10-15 KT.		11		
WAVES:		12		
DIR: S		13		
HIEGHT: 1-2 ft		14		
CURRENT:		15		
DIR: NONE		16		
SPEED: NONE		17		
		18		
		19		
		20		
		21		SAND SAMPLES
		22		SURFACE: 0.14mm, 5.3% silt
		23		MID: 0.16mm, 2.6% silt
		24		BOTTOM: 0.28mm, 3.6% silt
TURBIDITY:				
TOP (0' - 2.5'): HIGH				
BOTTOM: (2.5' - 5'): HIGH				
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#15 TOP
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): 95.19

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	0.00	0.00	100.00
7	-1.50	2.800	0.05	0.05	99.95
10	-1.00	2.000	0.06	0.06	99.94
14	-0.50	1.400	0.09	0.09	99.91
18	0.00	1.000	0.12	0.12	99.88
25	0.50	0.710	0.29	0.29	99.71
35	1.00	0.500	0.44	0.44	99.56
45	1.50	0.355	0.64	0.64	99.36
60	2.00	0.250	1.12	1.12	98.88
80	2.50	0.180	27.23	27.22	72.78
120	3.00	0.125	47.88	47.87	52.13
170	3.50	0.090	92.19	92.17	7.83
200	3.75	0.075	94.72	94.70	5.30
230	4.00	0.063	97.54	97.52	2.48
PAN			100.02	100.00	0.00

PHI (5): 2.07	PHI (16): 2.29	PHI (25): 2.46
PHI (50): 3.02	PHI (75): 3.31	PHI (84): 3.41
PHI (95): 3.78		

SIEVE LOSS (g): 0.00	SILT/CLAY: 5.30%
SKEWNESS: -0.176	KURTOSIS: 0.822

GRAPHIC METHOD

MEAN (PHI): 2.91	SORTING: 0.56
MEAN (mm): 0.13	MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88	SORTING: 0.52
MEAN (mm): 0.14	

DATA FILE NAME: JP#15 TOP.TAB

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

SAMPLE NO.: JP#15 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.07
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.64

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	0.45	0.45	99.55
7	-1.50	2.800	1.78	1.78	98.22
10	-1.00	2.000	3.43	3.43	96.57
14	-0.50	1.400	5.94	5.94	94.06
18	0.00	1.000	7.85	7.84	92.16
25	0.50	0.710	9.90	9.89	90.11
35	1.00	0.500	11.55	11.54	88.46
45	1.50	0.355	12.67	12.66	87.34
60	2.00	0.250	15.02	15.01	84.99
80	2.50	0.180	21.94	21.92	78.08
120	3.00	0.125	26.33	26.31	73.69
170	3.50	0.090	96.17	96.10	3.90
200	3.75	0.075	97.49	97.42	2.58
230	4.00	0.063	98.82	98.76	1.24
PAN			100.06	99.99	0.01

PHI(5): -0.69 PHI(16): 2.07 PHI(25): 2.85
PHI(50): 3.17 PHI(75): 3.35 PHI(84): 3.41
PHI(95): 3.49

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.58%
SKEWNESS: -2.634 KURTOSIS: 3.437

GRAPHIC METHOD

MEAN (PHI): 2.29 SORTING: 0.67
MEAN (mm): 0.20 MEDIAN (mm): 0.11
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.67 SORTING: 1.27
MEAN (mm): 0.16

DATA FILE NAME: JP#15 MID.TAB

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

SAMPLE NO.: JP#15 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: BEACH SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.50

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	0.19	0.19	99.81
5	-2.00	4.000	3.59	3.59	96.41
7	-1.50	2.800	6.73	6.74	93.26
10	-1.00	2.000	11.52	11.53	88.47
14	-0.50	1.400	17.32	17.34	82.66
18	0.00	1.000	21.31	21.33	78.67
25	0.50	0.710	24.53	24.55	75.45
35	1.00	0.500	27.00	27.02	72.98
45	1.50	0.355	28.57	28.60	71.40
60	2.00	0.250	30.62	30.65	69.35
80	2.50	0.180	33.90	33.93	66.07
120	3.00	0.125	72.21	72.28	27.72
170	3.50	0.090	94.92	95.01	4.99
200	3.75	0.075	96.35	96.44	3.56
230	4.00	0.063	98.15	98.24	1.76
PAN			99.89	99.98	0.02

PHI(5): -1.78 PHI(16): -0.62 PHI(25): 0.59
PHI(50): 2.71 PHI(75): 3.06 PHI(84): 3.26
PHI(95): 3.50

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.56%
SKEWNESS: -0.954 KURTOSIS: 0.876

GRAPHIC METHOD

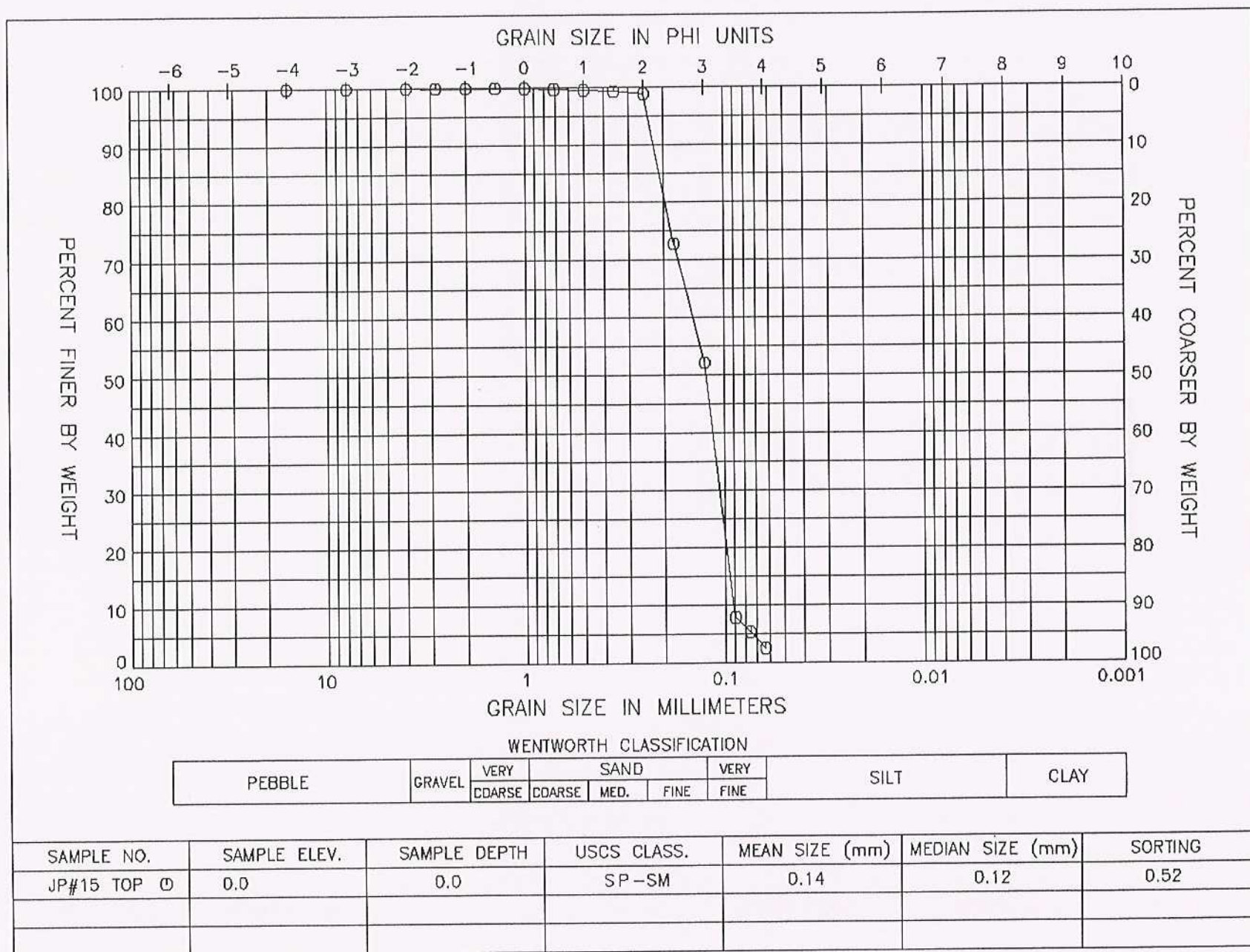
MEAN (PHI): 1.42 SORTING: 1.94
MEAN (mm): 0.37 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

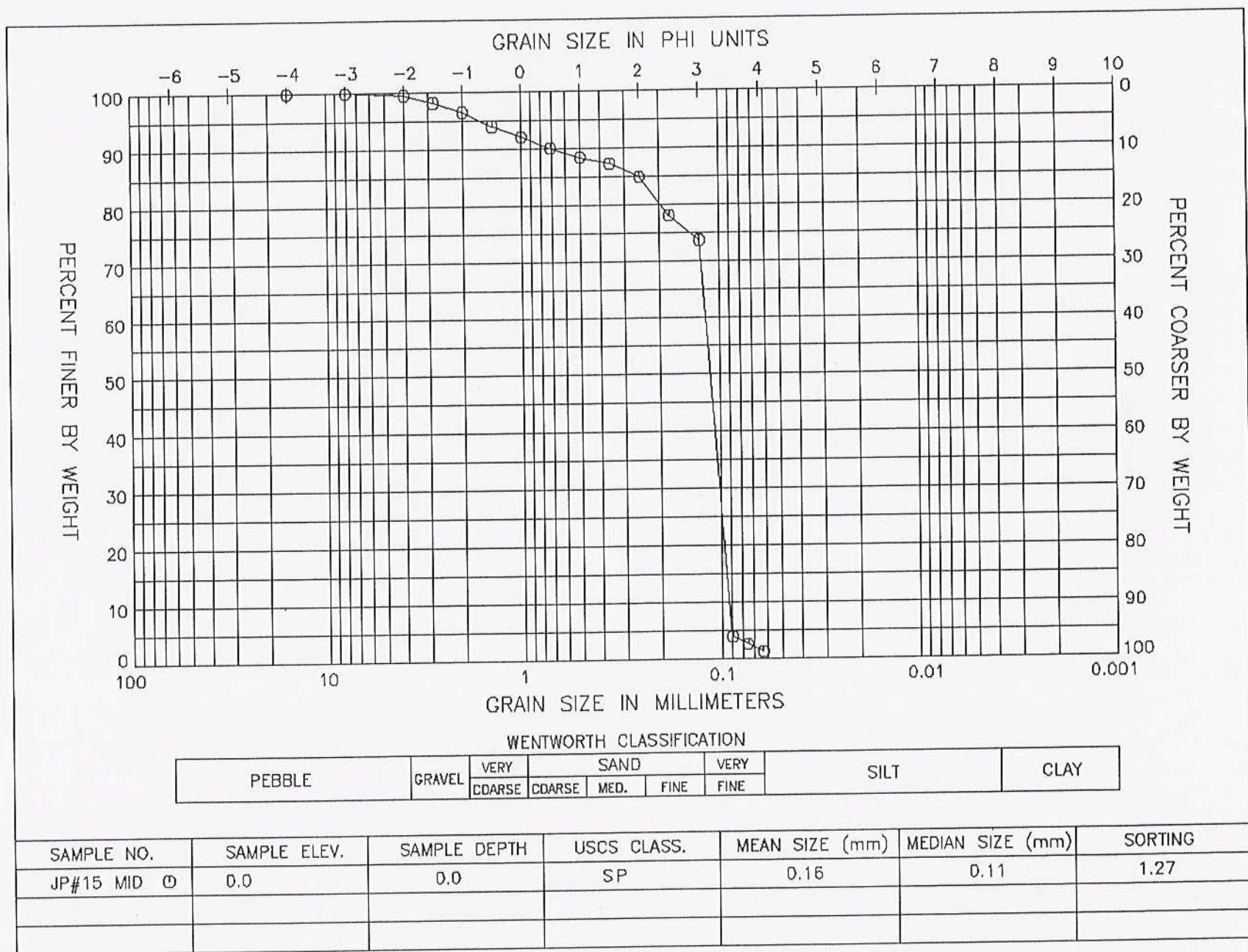
MEAN (PHI): 1.84 SORTING: 1.79
MEAN (mm): 0.28

DATA FILE NAME: JP#15 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000

