

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-17

COORDINATES:

N = 694290

E = 746268

DATE: 5/10/00

START TIME: 0830

END TIME: 0834

WATER DEPTH: 8.5

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 14.5' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-8.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		
		6		
WEATHER: WIND: DIR: E-SE SPEED: 5 KT. WAVES: DIR: NE HEIGHT: 1-2 ft CURRENT: DIR: NA SPEED: 0-1KT		7		SAND, fine grained, gray
		8		
		9		
		10		
		11		
		12		
		13		
	-23	14		
	-24	15		ROCK
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 7.25'): MOD BOTTOM: (7.25' - 14.5'): MOD		22		SURFACE: 0.20mm, 2.6% silt
		23		MID: 0.22mm, 2.2% silt
DRAWN BY: TT COMM.NO: 8410.02		24		BOTTOM: 0.20mm, 2.1% silt

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

SAMPLE NO.: JP#17 TOP
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): 97.48

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	0.00	0.00	99.97
14	-0.50	1.400	0.03	0.03	99.83
18	0.00	1.000	0.17	0.17	99.27
25	0.50	0.710	0.73	0.73	97.64
35	1.00	0.500	2.36	2.36	93.82
45	1.50	0.355	6.18	6.18	76.28
60	2.00	0.250	23.72	23.72	41.16
80	2.50	0.180	58.84	58.84	7.71
120	3.00	0.125	92.29	92.29	2.90
170	3.50	0.090	97.10	97.10	2.58
200	3.75	0.075	97.42	97.42	1.28
230	4.00	0.063	98.72	98.72	0.01
PAN			99.99	99.99	

PHI(5): 1.35 PHI(16): 1.78 PHI(25): 2.02
PHI(50): 2.37 PHI(75): 2.74 PHI(84): 2.88
PHI(95): 3.28

SIEVE LOSS(g): 0.01
SKEWNESS: -0.110

SILT/CLAY: 2.58%
KURTOSIS: 1.097

GRAPHIC METHOD
MEAN (PHI): 2.33
MEAN (mm): 0.20

SORTING: 0.55
MEDIAN (mm): 0.19

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.33
MEAN (mm): 0.20

SORTING: 0.57

DATA FILE NAME: JP#17 TOP.TAB

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

SAMPLE NO.: JP#17 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.02
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.88

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
			0.00	0.00	100.00
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.73	0.73	99.27
5	-2.00	4.000	1.25	1.25	98.75
7	-1.50	2.800	1.92	1.92	98.08
10	-1.00	2.000	2.80	2.80	97.20
14	-0.50	1.400	3.73	3.73	96.27
18	0.00	1.000	4.97	4.97	95.03
25	0.50	0.710	7.01	7.01	92.99
35	1.00	0.500	10.96	10.96	89.04
45	1.50	0.355	25.98	25.97	74.03
60	2.00	0.250	58.89	58.88	41.12
80	2.50	0.180	88.82	88.80	11.20
120	3.00	0.125	97.46	97.44	2.56
170	3.50	0.090	97.84	97.82	2.18
200	3.75	0.075	98.94	98.92	1.08
230	4.00	0.063	100.03	100.01	-0.01
PAN					

PHI(5): 0.51 PHI(16): 1.67 PHI(25): 1.97
PHI(50): 2.37 PHI(75): 2.77 PHI(84): 2.92
PHI(95): 3.36

SIEVE LOSS(g): -0.01
SKEWNESS: -0.690

SILT/CLAY: 2.18%
KURTOSIS: 1.457

GRAPHIC METHOD

MEAN (PHI): 2.16
MEAN (mm): 0.22

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.21
MEAN (mm): 0.22

SORTING: 0.92

DATA FILE NAME: JP#17 MID.TAB

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

SAMPLE NO.: JP#17 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.87
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.84

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	0.33	0.33	99.67
7	-1.50	2.800	0.71	0.71	99.29
10	-1.00	2.000	1.12	1.12	98.88
14	-0.50	1.400	1.79	1.79	98.21
18	0.00	1.000	2.48	2.48	97.52
25	0.50	0.710	3.36	3.36	96.64
35	1.00	0.500	5.04	5.05	94.95
45	1.50	0.355	8.14	8.15	91.85
60	2.00	0.250	21.44	21.47	78.53
80	2.50	0.180	48.54	48.60	51.40
120	3.00	0.125	88.06	88.17	11.83
170	3.50	0.090	97.27	97.40	2.60
200	3.75	0.075	97.76	97.89	2.11
230	4.00	0.063	98.82	98.95	1.05
PAN			99.85	99.98	0.02

PHI(5): 0.99 PHI(16): 1.79 PHI(25): 2.07
PHI(50): 2.52 PHI(75): 2.83 PHI(84): 2.95
PHI(95): 3.37

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.11%
SKEWNESS: -0.589 KURTOSIS: 1.271

GRAPHIC METHOD

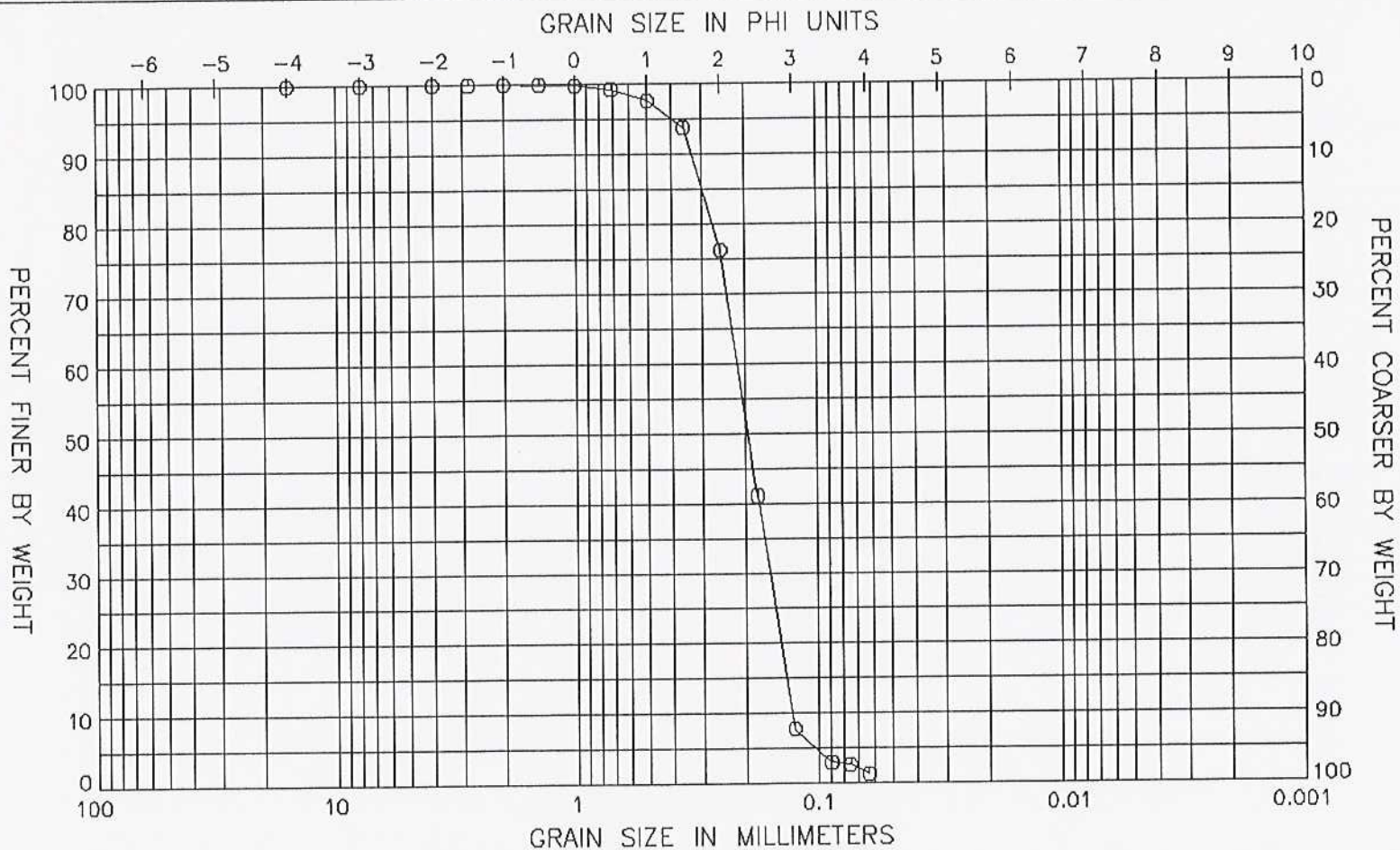
MEAN (PHI): 2.32 SORTING: 0.58
MEAN (mm): 0.20 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.34 SORTING: 0.81
MEAN (mm): 0.20

DATA FILE NAME: JP#17 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

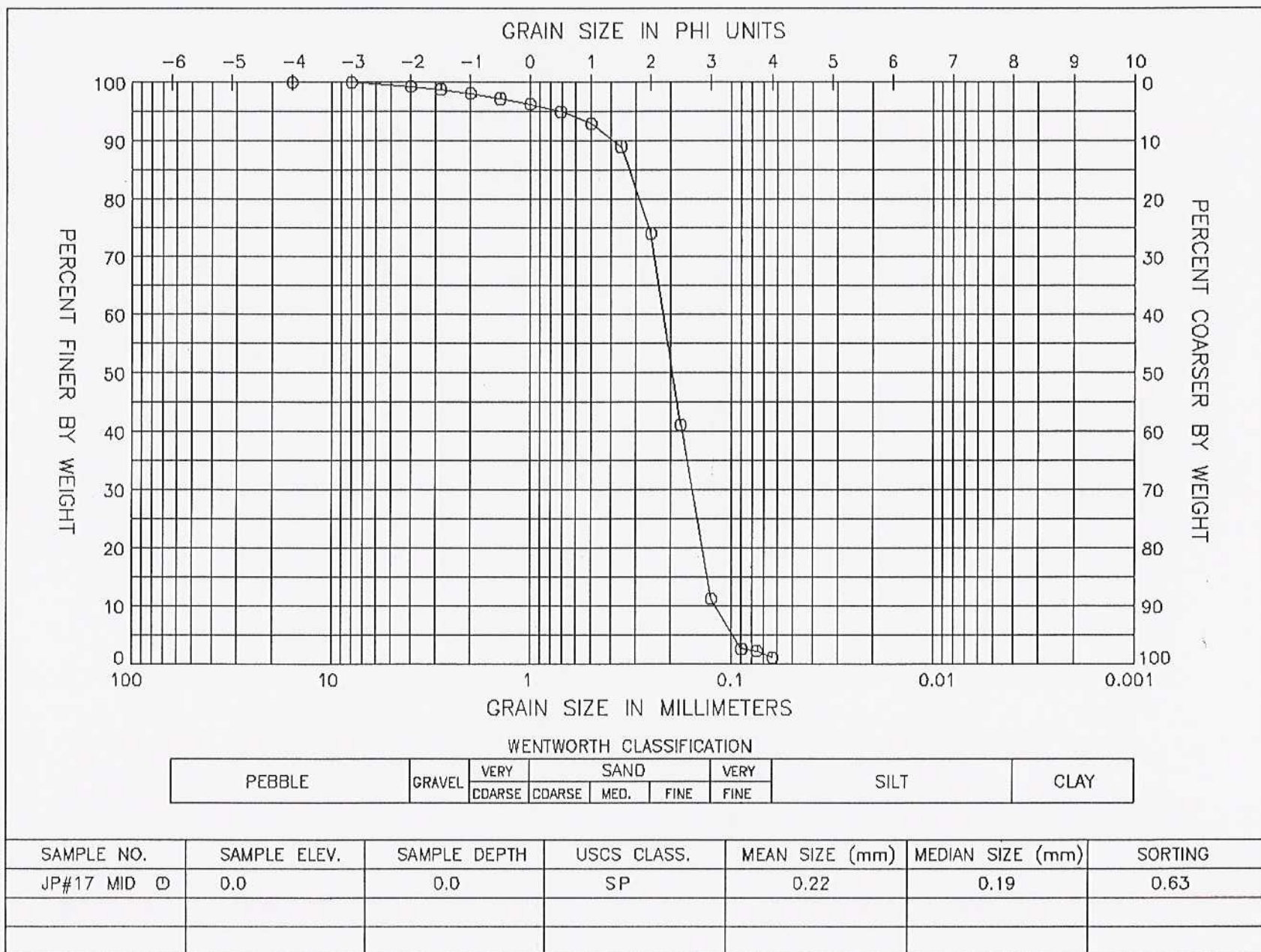


WENTWORTH CLASSIFICATION

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#17 TOP \odot	0.0	0.0	SP	0.20	0.19	0.55

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

