

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-16

COORDINATES:

N = 692777

E = 748237

DATE: 5/10/00

START TIME: 0857

END TIME: 0901

WATER DEPTH: 6.0'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 15.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-6	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, shell hash, gray
		8		
		9		
		10		
		11		
		12		
		13		
		14		
	-21	15		
	-22	16		HOLE COLLAPSE
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 7.5'): MOD BOTTOM: (7.5' - 15'): MOD		22		SURFACE: 0.24mm, 2.0% silt
		23		MID: 0.41mm, 1.7% silt
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		24		BOTTOM: 0.31mm, 2.5% silt

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

SAMPLE NO.: JP#16 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.88
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.92

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	1.72	1.72	98.28
7	-1.50	2.800	3.68	3.68	96.32
10	-1.00	2.000	6.06	6.07	93.93
14	-0.50	1.400	9.02	9.03	90.97
18	0.00	1.000	11.57	11.58	88.42
25	0.50	0.710	14.12	14.14	85.86
35	1.00	0.500	16.95	16.97	83.03
45	1.50	0.355	19.85	19.87	80.13
60	2.00	0.250	25.88	25.91	74.09
80	2.50	0.180	42.44	42.49	57.51
120	3.00	0.125	90.36	90.47	9.53
170	3.50	0.090	97.69	97.81	2.19
200	3.75	0.075	97.86	97.98	2.02
230	4.00	0.063	98.88	99.00	1.00
PAN			99.87	99.99	0.01

PHI(5): -1.22 PHI(16): 0.83 PHI(25): 1.92
PHI(50): 2.58 PHI(75): 2.84 PHI(84): 2.93
PHI(95): 3.31

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.02%
SKEWNESS: -1.460 KURTOSIS: 2.032

GRAPHIC METHOD

MEAN (PHI): 1.68 SORTING: 1.05
MEAN (mm): 0.31 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.03 SORTING: 1.35
MEAN (mm): 0.24

DATA FILE NAME: JP#16 TOP.TAB

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

SAMPLE NO.: JP#16 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.68
SAMPLE WEIGHT AFTER WASH (GRAMS): 99.02

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.80	0.79	99.21
5/16	-3.00	8.000	0.80	0.79	99.21
5	-2.00	4.000	2.30	2.28	97.72
7	-1.50	2.800	5.81	5.77	94.23
10	-1.00	2.000	10.88	10.81	89.19
14	-0.50	1.400	18.27	18.15	81.85
18	0.00	1.000	25.18	25.01	74.99
25	0.50	0.710	32.67	32.45	67.55
35	1.00	0.500	39.24	38.97	61.03
45	1.50	0.355	45.35	45.04	54.96
60	2.00	0.250	56.33	55.95	44.05
80	2.50	0.180	70.69	70.21	29.79
120	3.00	0.125	94.73	94.09	5.91
170	3.50	0.090	98.70	98.03	1.97
200	3.75	0.075	98.95	98.28	1.72
230	4.00	0.063	99.82	99.15	0.85
PAN			100.67	99.99	0.01

PHI(5): -1.61 PHI(16): -0.65 PHI(25): 0.00
PHI(50): 1.73 PHI(75): 2.60 PHI(84): 2.79
PHI(95): 3.12

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.72%
SKEWNESS: -0.568 KURTOSIS: 0.745

GRAPHIC METHOD

MEAN (PHI): 1.07 SORTING: 1.72
MEAN (mm): 0.47 MEDIAN (mm): 0.30
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.27 SORTING: 1.53
MEAN (mm): 0.41

DATA FILE NAME: JP#16 MID.TAB

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

SAMPLE NO.: JP#16 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.89
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.60

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	2.46	2.46	97.54
7	-1.50	2.800	6.25	6.26	93.74
10	-1.00	2.000	11.47	11.48	88.52
14	-0.50	1.400	17.88	17.90	82.10
18	0.00	1.000	22.74	22.77	77.23
25	0.50	0.710	27.06	27.09	72.91
35	1.00	0.500	30.56	30.59	69.41
45	1.50	0.355	33.59	33.63	66.37
60	2.00	0.250	38.15	38.19	61.81
80	2.50	0.180	46.98	47.03	52.97
120	3.00	0.125	75.94	76.02	23.98
170	3.50	0.090	94.96	95.06	4.94
200	3.75	0.075	97.36	97.47	2.53
230	4.00	0.063	98.71	98.82	1.18
PAN			99.89	100.00	0.00

PHI(5): -1.67 PHI(16): -0.65 PHI(25): 0.26
PHI(50): 2.55 PHI(75): 2.98 PHI(84): 3.21
PHI(95): 3.50

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.53%
SKEWNESS: -0.848 KURTOSIS: 0.777

GRAPHIC METHOD

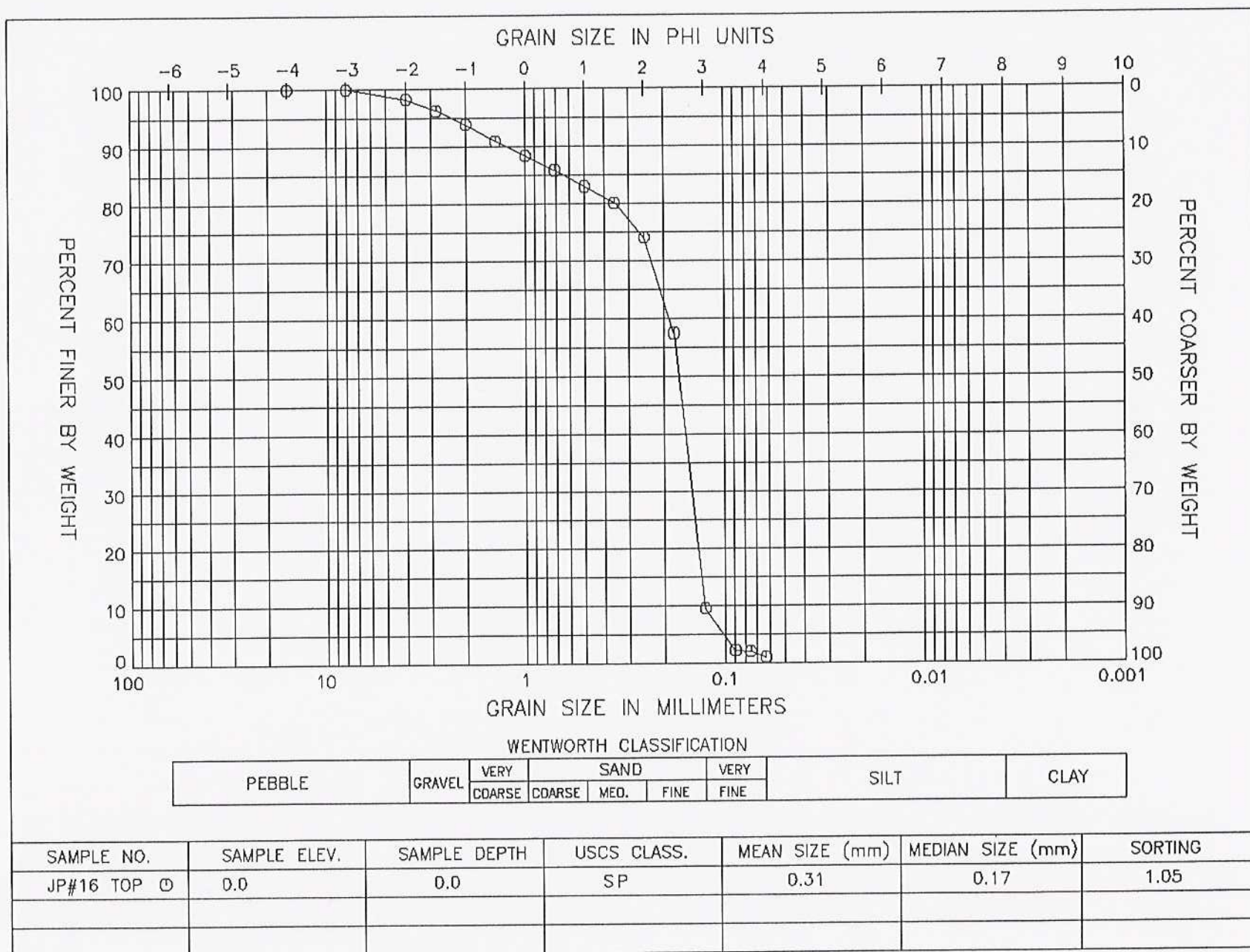
MEAN (PHI): 1.39 SORTING: 1.93
MEAN (mm): 0.38 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

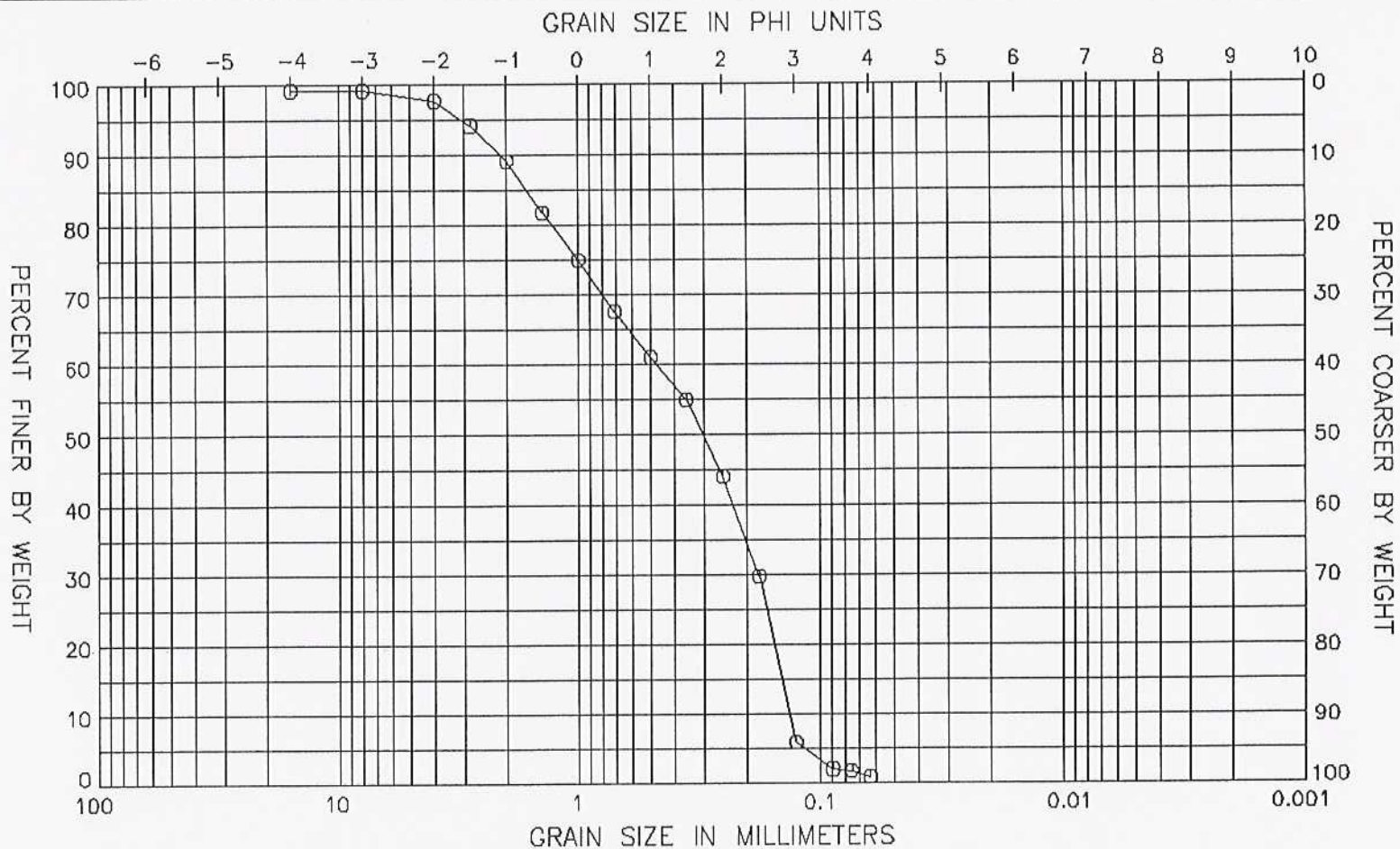
MEAN (PHI): 1.68 SORTING: 1.74
MEAN (mm): 0.31

DATA FILE NAME: JP#16 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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#16 MID	0.0	0.0	SP	0.47	0.30	1.72

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

