

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-21

COORDINATES:

N = 657082.31

E = 714453.83

DATE: 5/1/00

START TIME: 1855

END TIME: 1859

WATER DEPTH: 30.5'

TOP DIVER: CM

BOTTOM DIVER: ML

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20'	-30.5	0		SEA FLOOR
PENETRATION DEPTH: 3.0'		1		
JET PUMP TYPE: Briggs and Stratton 3.0 hp		2		SAND, fine grained, shell hash, gray
GAL/HR: 8460	-33.5	3		
DIAMETER OF PIPE: 1.5"	-34	4		ROCK
SUPPORT VESSEL: CPE II		5		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		6		
NAVIGATION SYSTEM: "HYPACK"		7		
WEATHER:		8		
WIND:		9		
DIR: W		10		
SPEED: 5-10 KT.		11		
WAVES:		12		
DIR: W to E		13		
HIEGHT: 1-2 ft		14		
CURRENT:		15		
DIR: N to S		16		
SPEED: SLIGHT		17		
		18		
		19		
		20		
		21		SAND SAMPLES
		22		SURFACE: 0.24mm, 4.7% silt
		23		MID: NA
		24		BOTTOM: 0.98mm, 4.4% silt
TURBIDITY:				
TOP (0' - 1.5'): MOD				
BOTTOM: (1.5' - 3'): MOD				
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#21 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.44
SAMPLE WEIGHT AFTER WASH (GRAMS): 78.71

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	0.99	1.20	98.80
5	-2.00	4.000	6.03	7.31	92.69
7	-1.50	2.800	10.67	12.94	87.06
10	-1.00	2.000	16.70	20.26	79.74
14	-0.50	1.400	24.37	29.56	70.44
18	0.00	1.000	31.14	37.77	62.23
25	0.50	0.710	39.84	48.33	51.67
35	1.00	0.500	52.14	63.25	36.75
45	1.50	0.355	63.60	77.15	22.85
60	2.00	0.250	72.69	88.17	11.83
80	2.50	0.180	75.54	91.63	8.37
120	3.00	0.125	77.81	94.38	5.62
170	3.50	0.090	78.42	95.12	4.88
200	3.75	0.075	78.65	95.40	4.60
230	4.00	0.063	80.56	97.71	2.29
PAN			82.43	99.99	0.01

PHI(5): -2.38 PHI(16): -1.29 PHI(25): -0.75
PHI(50): 0.56 PHI(75): 1.42 PHI(84): 1.81
PHI(95): 3.42

SIEVE LOSS(g): 0.01 SILT/CLAY: 4.60%
SKEWNESS: -0.024 KURTOSIS: 1.096

GRAPHIC METHOD

MEAN (PHI): 0.42 SORTING: 1.55
MEAN (mm): 0.75 MEDIAN (mm): 0.68
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.31 SORTING: 1.52
MEAN (mm): 0.80

DATA FILE NAME: JP#21 TOP.TAB

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

SAMPLE NO.: JP#21 BOTTOM
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SW

DRY SAMPLE WEIGHT (GRAMS): 82.86
SAMPLE WEIGHT AFTER WASH (GRAMS): 79.23

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	0.92	1.11	98.89
5	-2.00	4.000	9.20	11.10	88.90
7	-1.50	2.800	17.66	21.31	78.69
10	-1.00	2.000	25.46	30.73	69.27
14	-0.50	1.400	33.70	40.67	59.33
18	0.00	1.000	40.23	48.55	51.45
25	0.50	0.710	48.65	58.71	41.29
35	1.00	0.500	57.34	69.20	30.80
45	1.50	0.355	64.42	77.75	22.25
60	2.00	0.250	70.63	85.24	14.76
80	2.50	0.180	73.58	88.80	11.20
120	3.00	0.125	76.48	92.30	7.70
170	3.50	0.090	78.92	95.24	4.76
200	3.75	0.075	79.18	95.56	4.44
230	4.00	0.063	81.04	97.80	2.20
PAN			82.86	100.00	0.00

PHI(5): -2.61 PHI(16): -1.76 PHI(25): -1.30
PHI(50): 0.07 PHI(75): 1.34 PHI(84): 1.92
PHI(95): 3.46

SIEVE LOSS(g): 0.00 SILT/CLAY: 4.44%
SKEWNESS: 0.192 KURTOSIS: 0.941

GRAPHIC METHOD

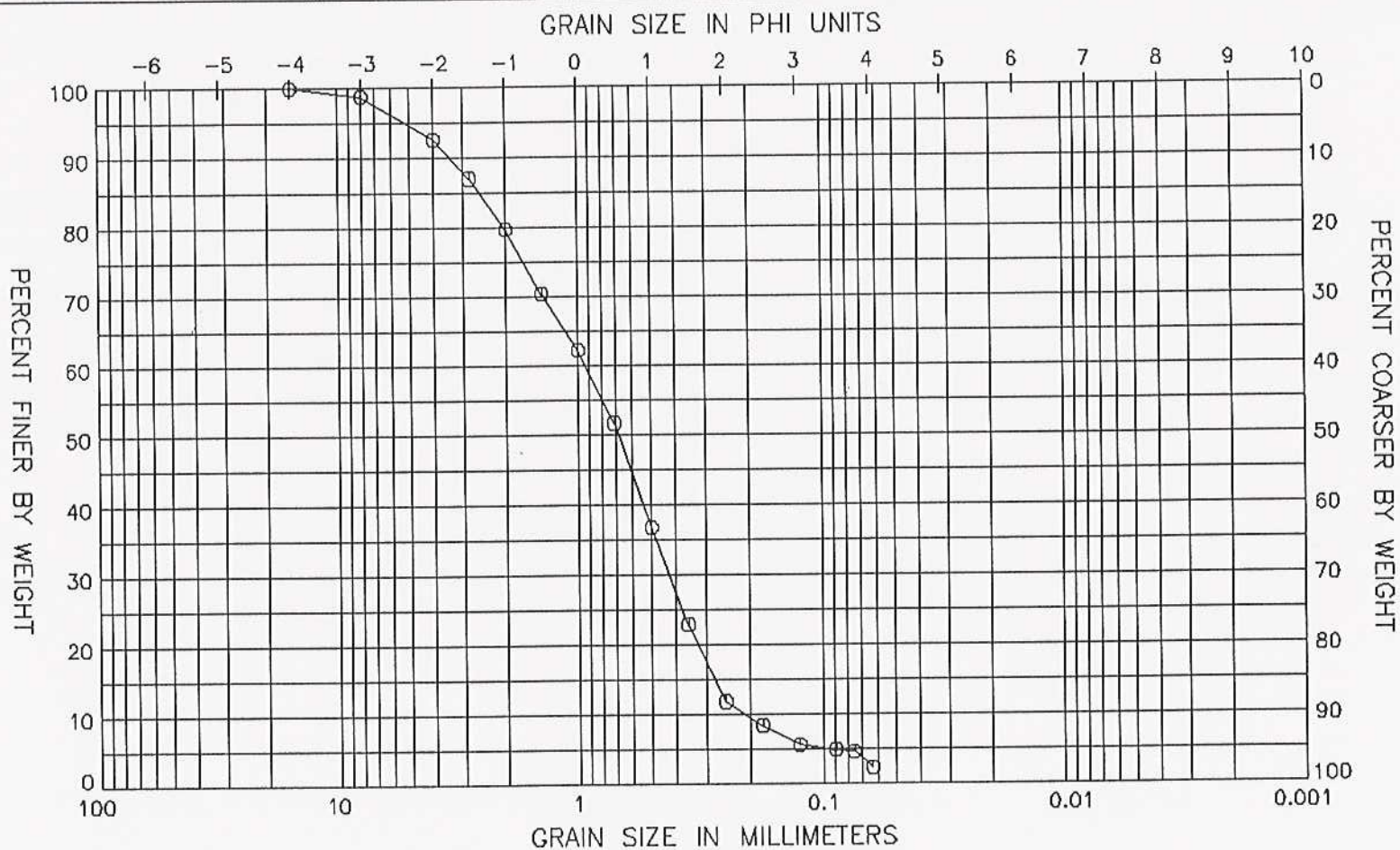
MEAN (PHI): 0.22 SORTING: 1.84
MEAN (mm): 0.86 MEDIAN (mm): 0.95
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.03 SORTING: 1.70
MEAN (mm): 0.98

DATA FILE NAME: JP#21 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#21 TOP	0.0	0.0	SP	0.80	0.68	1.52

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

