

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-20

COORDINATES:

N = 659583.79

E = 717431.79

DATE: 5/1/00

START TIME: 1820

END TIME: 1827

WATER DEPTH: 29.4'

TOP DIVER: CM

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20'	-29.4	0		SEA FLOOR
PENETRATION DEPTH: 2.0'		1		SAND, fine grained, shell hash, gray
JET PUMP TYPE: Briggs and Stratton 3.0 hp		2		ROCK
GAL/HR: 8460	-31.5			
DIAMETER OF PIPE: 1.5"	-31.9			
SUPPORT VESSEL: CPE II		3		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		4		
NAVIGATION SYSTEM: "HYPACK"		5		
WEATHER:		6		
WIND:		7		
DIR: W		8		
SPEED: 5-10 KT.		9		
WAVES:		10		
DIR: W to E		11		
HIEGHT: 1-2 ft		12		
CURRENT:		13		
DIR: N to S		14		
SPEED: SLIGHT		15		
		16		
		17		
		18		
		19		
		20		
		21		NO ROCK HARDBOTTOM
		22		SAND SAMPLES
		23		SURFACE: 0.60mm, 2.4% silt
		24		MID: NA
				BOTTOM: 0.94mm, 5.5% silt
TURBIDITY:				
TOP (0' - 1'): MOD				
BOTTOM: (1' - 2'): 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#20 BOTTOM
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 87.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 82.86

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	4.14	4.72	95.28
7	-1.50	2.800	6.23	7.11	92.89
10	-1.00	2.000	11.62	13.26	86.74
14	-0.50	1.400	19.52	22.27	77.73
18	0.00	1.000	39.73	45.33	54.67
25	0.50	0.710	61.15	69.77	30.23
35	1.00	0.500	72.90	83.18	16.82
45	1.50	0.355	79.60	90.83	9.17
60	2.00	0.250	81.34	92.81	7.19
80	2.50	0.180	81.42	92.90	7.10
120	3.00	0.125	82.76	94.43	5.57
170	3.50	0.090	82.84	94.52	5.48
200	3.75	0.075	82.85	94.53	5.47
230	4.00	0.063	85.24	97.26	2.74
PAN			87.64	100.00	0.00

PHI(5): -1.94 PHI(16): -0.85 PHI(25): -0.44
PHI(50): 0.10 PHI(75): 0.69 PHI(84): 1.05
PHI(95): 3.79

SIEVE LOSS(g): 0.00 SILT/CLAY: 5.47%
SKEWNESS: 0.873 KURTOSIS: 2.069

GRAPHIC METHOD

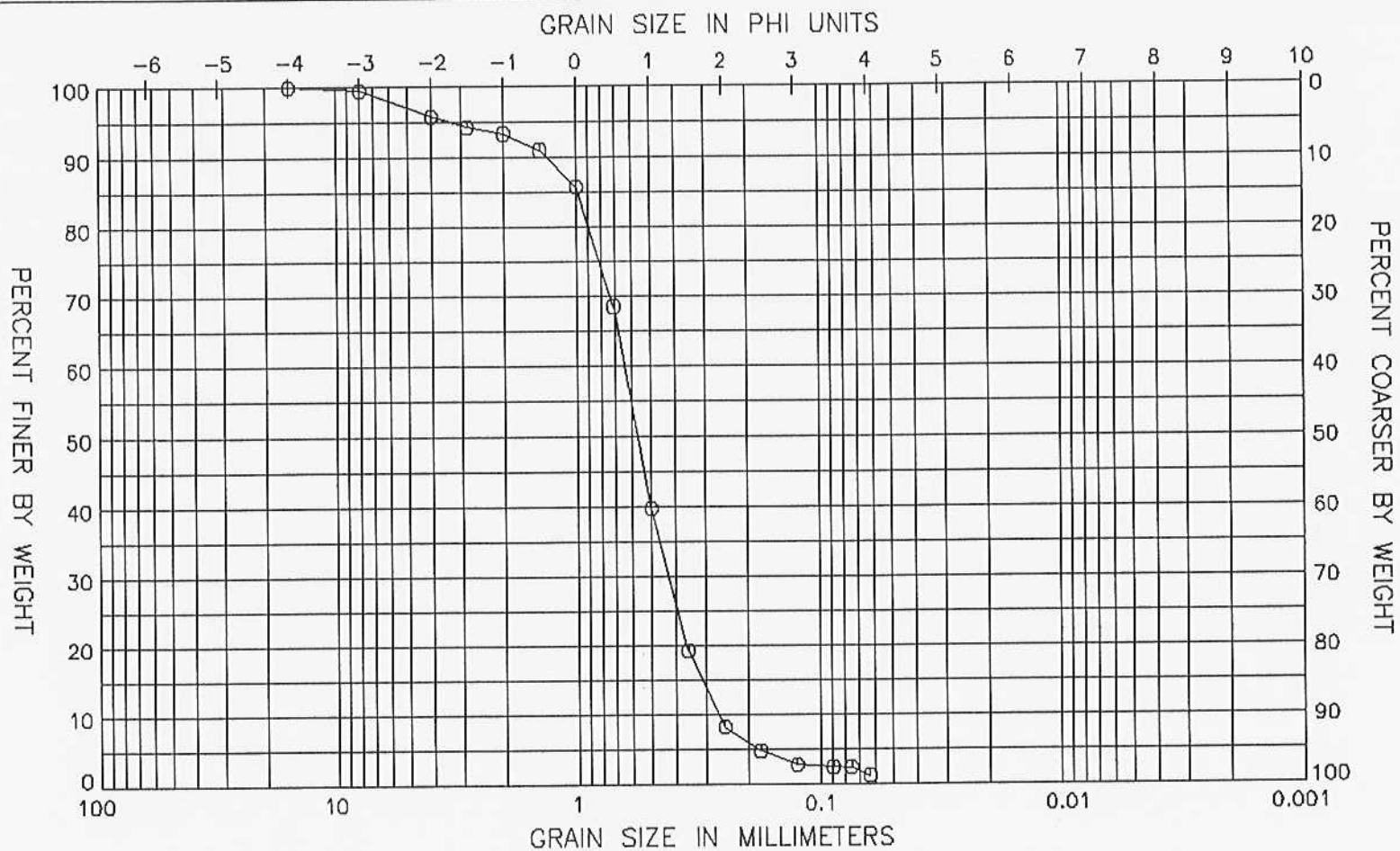
MEAN (PHI): 0.43 SORTING: 0.95
MEAN (mm): 0.74 MEDIAN (mm): 0.94
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.09 SORTING: 1.17
MEAN (mm): 0.94

DATA FILE NAME: JP#20 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#20 TOP \odot	0.0	0.0	SP	0.60	0.57	1.11

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

