

# JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP19

**COORDINATES:**

N = 659351.61

E = 722328.25

DATE: 5/1/00

START TIME: 1729

END TIME: 1742

WATER DEPTH: 28.5'

TOP DIVER: CM

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 20+' JET PUMP TYPE: Briggs and Stratton 3.0 hp  GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-28.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II  POSITIONING: DIFFERENTIAL GPS USCG BEACON  NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		SAND, fine grained, silty, gray
		6		
		7		
WEATHER:  WIND: DIR: W SPEED: 5-10 KT.		8		
	-37.5	9		
WAVES: DIR: W to E HEIGHT: 1-2 ft		10		
		11		
CURRENT: DIR: N to S SPEED: SLIGHT		12		SAND, fine grained, shell hash, shell frags and some whole shell, light gray
		13		
		14		
	-44.5	15		
		16		
		17		
		18		NO SAMPLE DUE TO LOW VIS
		19		
	-48.5	20		
		21		NO ROCK HARDBOTTOM SAND SAMPLES
		22		SURFACE: 0.41mm, 15.0% silt
		23		MID: 00.69mm, 9.0% silt
		24		BOTTOM: NA
TURBIDITY: TOP (0' - 10'): HIGH BOTTOM: (10' - 20'): 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#19 TOP  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 107.60  
SAMPLE WEIGHT AFTER WASH (GRAMS): 91.62

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	1.44	1.34	98.66
5	-2.00	4.000	8.45	7.85	92.15
7	-1.50	2.800	11.07	10.29	89.71
10	-1.00	2.000	17.08	15.87	84.13
14	-0.50	1.400	20.15	18.73	81.27
18	0.00	1.000	24.05	22.35	77.65
25	0.50	0.710	28.85	26.81	73.19
35	1.00	0.500	34.15	31.74	68.26
45	1.50	0.355	41.27	38.36	61.64
60	2.00	0.250	49.85	46.33	53.67
80	2.50	0.180	71.91	66.83	33.17
120	3.00	0.125	88.12	81.90	18.10
170	3.50	0.090	90.96	84.54	15.46
200	3.75	0.075	91.48	85.02	14.98
230	4.00	0.063	99.59	92.56	7.44
PAN			107.59	99.99	0.01

PHI(5): -2.44      PHI(16): -0.98      PHI(25): 0.30  
PHI(50): 2.09      PHI(75): 2.77      PHI(84): 3.40  
PHI(95): 4.08

SIEVE LOSS(g): 0.01      SILT/CLAY: 14.98%  
SKEWNESS: -0.579      KURTOSIS: 1.080

GRAPHIC METHOD

MEAN (PHI): 1.23      SORTING: 2.19  
MEAN (mm): 0.43      MEDIAN (mm): 0.23  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.28      SORTING: 1.88  
MEAN (mm): 0.41

DATA FILE NAME: JP#19 TOP.TAB

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

SAMPLE NO.: JP#19 MID  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 102.25  
SAMPLE WEIGHT AFTER WASH (GRAMS): 93.42

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	2.61	2.55	97.45
5	-2.00	4.000	12.61	12.33	87.67
7	-1.50	2.800	21.36	20.89	79.11
10	-1.00	2.000	29.41	28.76	71.24
14	-0.50	1.400	36.94	36.13	63.87
18	0.00	1.000	42.96	42.01	57.99
25	0.50	0.710	49.59	48.50	51.50
35	1.00	0.500	55.99	54.76	45.24
45	1.50	0.355	61.33	59.98	40.02
60	2.00	0.250	67.90	66.41	33.59
80	2.50	0.180	73.44	71.82	28.18
120	3.00	0.125	73.61	71.99	28.01
170	3.50	0.090	91.75	89.73	10.27
200	3.75	0.075	93.05	91.00	9.00
230	4.00	0.063	97.76	95.61	4.39
PAN			102.25	100.00	0.00

PHI(5): -2.75      PHI(16): -1.79      PHI(25): -1.24  
PHI(50): 0.62      PHI(75): 3.08      PHI(84): 3.34  
PHI(95): 3.97

SIEVE LOSS(g): 0.00      SILT/CLAY: 9.00%  
SKEWNESS: -0.004      KURTOSIS: 0.637

GRAPHIC METHOD

MEAN (PHI): 0.68      SORTING: 2.56  
MEAN (mm): 0.63      MEDIAN (mm): 0.65

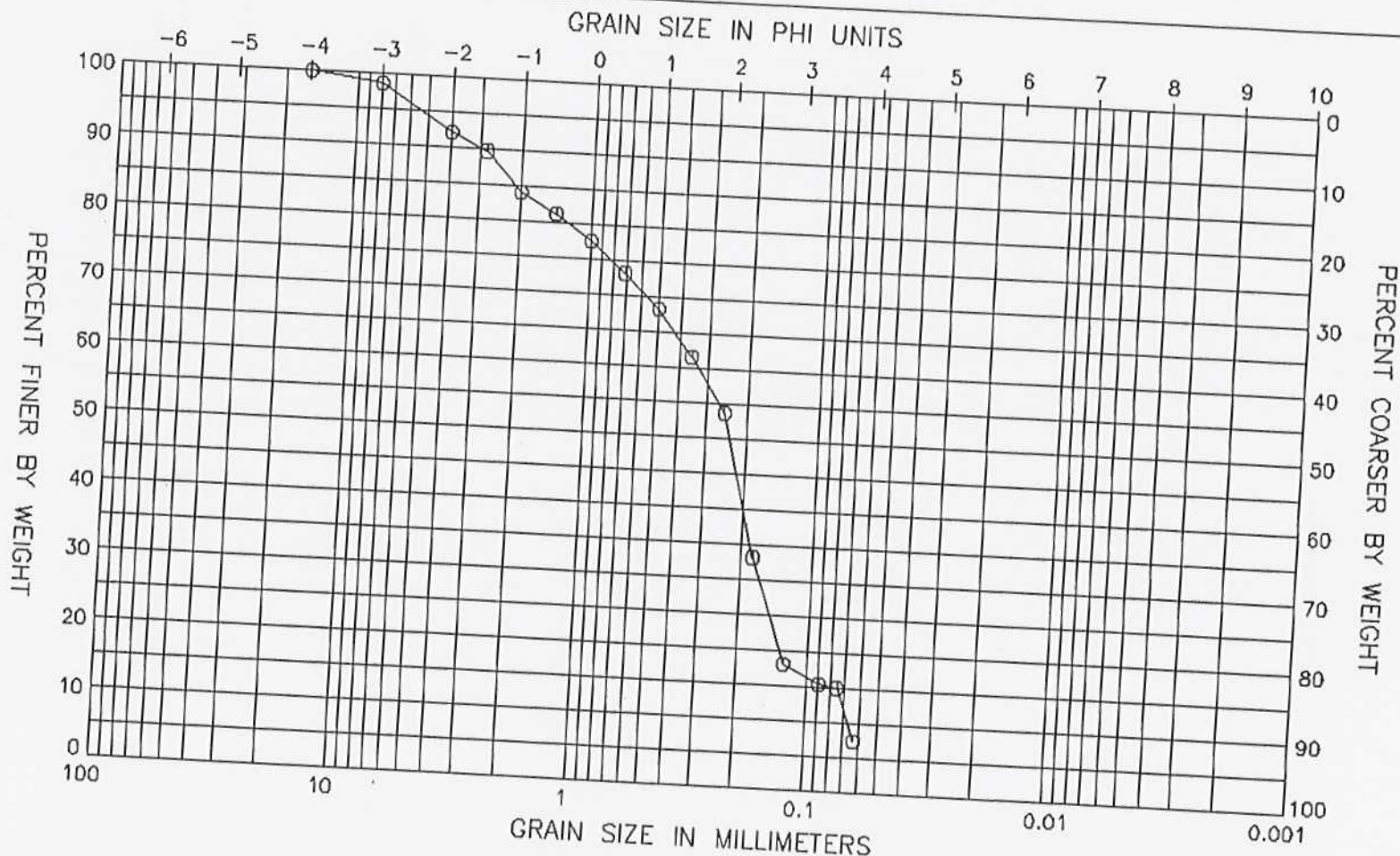
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.54      SORTING: 2.15  
MEAN (mm): 0.69

DATA FILE NAME: JP#19 MID.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#19 TOP @	0.0	0.0	SP-SM	0.41	0.23	1.88

# GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

