

JET PROBE LOG

PROJECT: ESTERO JET PROBES	JET PROBE: EST-JP-27
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COORDINATES: N = 657214 E = 712556	DATE: 5/10/00 START TIME: 1626 END TIME: 1632	WATER DEPTH: 32.5 TOP DIVER: CK BOTTOM DIVER: TT
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E = 712556

START TIME: 1626

END TIME: 1632

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20'	-32.5	0		SEA FLOOR
PENETRATION DEPTH: 5.0'		1		
JET PUMP TYPE: Briggs and Stratton 3.0 hp		2		
GAL/HR: 8460		3		
DIAMETER OF PIPE: 1.5"		4		SAND, fine shell hash, dark gray
SUPPORT VESSEL: CPE II		5		
POSITIONING: DIFFERENTIAL GPS USCG BEACON	-37.5	6		
NAVIGATION SYSTEM: "HYPACK"	-38.5	7		ROCK
WEATHER:		8		
WIND:		9		
DIR: S-SE		10		
SPEED: 5-10 KT		11		
WAVES:		12		
DIR: NE		13		
HIEGHT: 1-2 ft		14		
CURRENT:		15		
DIR: NA		16		
SPEED: 1-2 KT		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
TURBIDITY:				SAND SAMPLES
TOP (0' - 2.5'): HIGH				SURFACE: 0.55mm, 10.0' silt
BOTTOM: (2' - 5'): HIGH				MID: 0.76mm, 9.7% silt
DRAWN BY: TT	CHECKED BY:			BOTTOM: NA
COMM.NO: 8410.02				

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

SAMPLE NO.: JP#27 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SW-SM

DRY SAMPLE WEIGHT (GRAMS): 99.92
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.10

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	0.85	0.85	99.15
5	-2.00	4.000	6.95	6.96	93.04
7	-1.50	2.800	10.37	10.38	89.62
10	-1.00	2.000	14.15	14.16	85.84
14	-0.50	1.400	19.89	19.91	80.09
18	0.00	1.000	25.86	25.88	74.12
25	0.50	0.710	35.49	35.52	64.48
35	1.00	0.500	48.64	48.68	51.32
45	1.50	0.355	60.96	61.01	38.99
60	2.00	0.250	71.83	71.89	28.11
80	2.50	0.180	77.80	77.86	22.14
120	3.00	0.125	85.18	85.25	14.75
170	3.50	0.090	89.12	89.19	10.81
200	3.75	0.075	89.89	89.96	10.04
230	4.00	0.063	94.95	95.03	4.97
PAN			99.91	99.99	0.01

PHI(5): -2.32 PHI(16): -0.84 PHI(25): -0.07
PHI(50): 1.05 PHI(75): 2.26 PHI(84): 2.92
PHI(95): 4.00

SIEVE LOSS(g): 0.01 SILT/CLAY: 10.04%
SKEWNESS: -0.114 KURTOSIS: 1.110

GRAPHIC METHOD

MEAN (PHI): 0.96 SORTING: 1.88
MEAN (mm): 0.51 MEDIAN (mm): 0.48
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.85 SORTING: 1.70
MEAN (mm): 0.55

DATA FILE NAME: JP#27 TOP.TAB

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

SAMPLE NO.: JP#27 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SW-SM

DRY SAMPLE WEIGHT (GRAMS): 99.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.16

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	1.74	1.75	98.25
5	-2.00	4.000	9.10	9.13	90.87
7	-1.50	2.800	17.43	17.49	82.51
10	-1.00	2.000	25.87	25.96	74.04
14	-0.50	1.400	33.82	33.94	66.06
18	0.00	1.000	40.75	40.90	59.10
25	0.50	0.710	49.08	49.26	50.74
35	1.00	0.500	58.99	59.20	40.80
45	1.50	0.355	67.58	67.82	32.18
60	2.00	0.250	74.50	74.77	25.23
80	2.50	0.180	78.84	79.12	20.88
120	3.00	0.125	84.91	85.22	14.78
170	3.50	0.090	89.22	89.54	10.46
200	3.75	0.075	89.96	90.29	9.71
230	4.00	0.063	94.84	95.18	4.82
PAN			99.63	99.99	0.01

PHI(5): -2.56 PHI(16): -1.59 PHI(25): -1.06
PHI(50): 0.54 PHI(75): 2.03 PHI(84): 2.90
PHI(95): 3.99

SIEVE LOSS(g): 0.01 SILT/CLAY: 9.71%
SKEWNESS: 0.079 KURTOSIS: 0.871

GRAPHIC METHOD

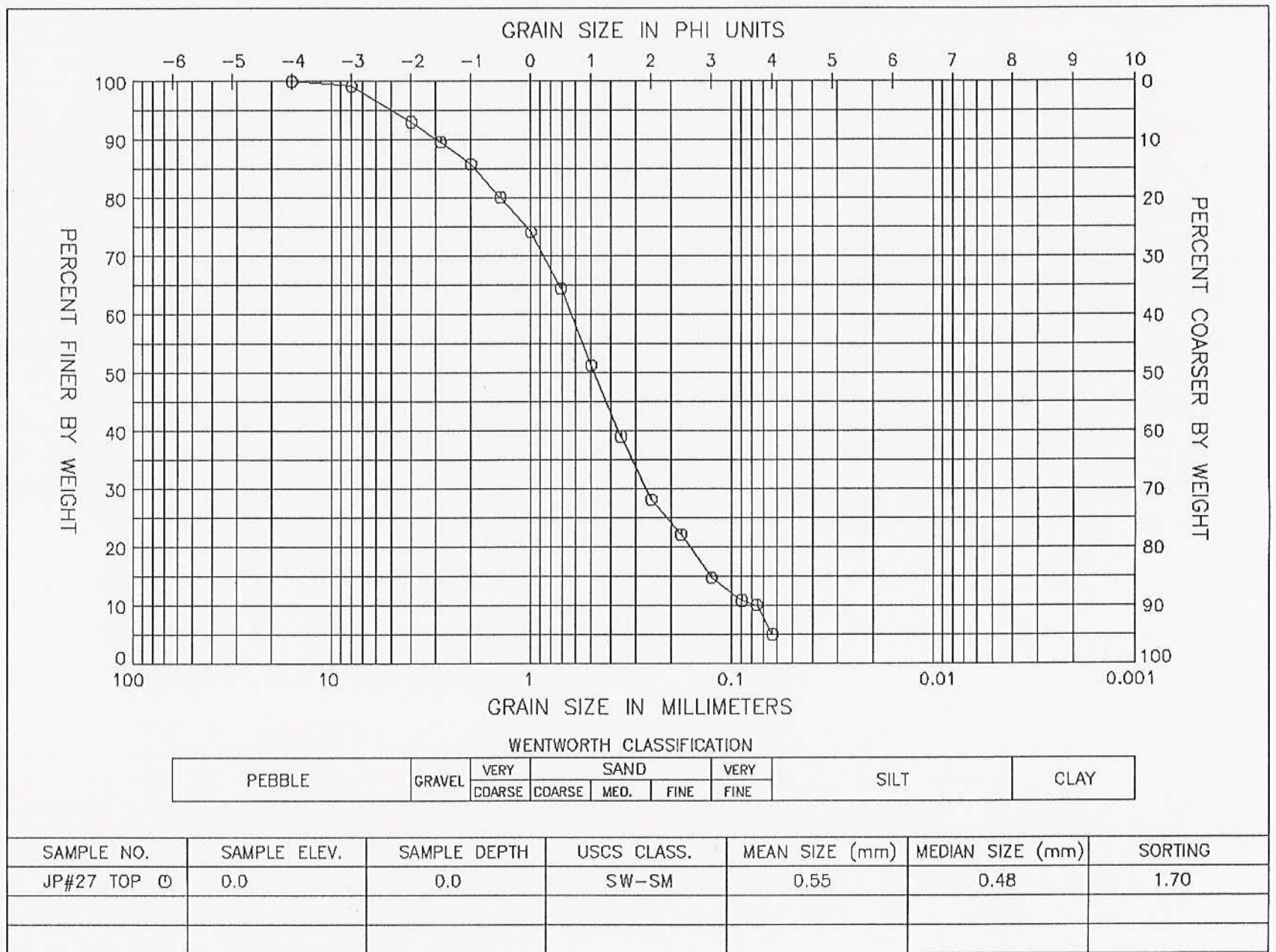
MEAN (PHI): 0.66 SORTING: 2.24
MEAN (mm): 0.63 MEDIAN (mm): 0.69
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.39 SORTING: 1.88
MEAN (mm): 0.76

DATA FILE NAME: JP#27 MID.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000

