

# JET PROBE LOG

**PROJECT: ESTERO JET PROBES**

**JET PROBE: EST-JP-5**

**COORDINATES:**

N =

E =

**DATE:**

**START TIME:**

**END TIME:**

**WATER DEPTH:**

**TOP DIVER:**

**BOTTOM DIVER:**

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 13.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp  GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-7.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II  POSITIONING: DIFFERENTIAL GPS USCG BEACON  NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		
		6		
WEATHER:  WIND: DIR: S-SE SPEED: 5-10 KT  WAVES: DIR: NE HEIGHT: 1-2 ft  CURRENT: DIR: NA SPEED: 1-2 KT		7		SAND, fine grained, shell hash layers, gray
		8		
		9		
		10		
		11		
		12		
	-20.5	13		
	-21.5	14		ROCK
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 6.5'): LOW BOTTOM: (6.5' - 13'): LOW		22		SURFACE: 0.22mm, 1.6% silt
		23		MID: 0.25mm, 2.6% silt
DRAWN BY: TT COMM.NO: 8410.02		24		BOTTOM: 0.17mm, 2.8% silt

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

SAMPLE NO.: JP#5 TOP  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.99  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.56

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	0.18	0.18	99.82
5	-2.00	4.000	0.56	0.56	99.44
7	-1.50	2.800	1.97	1.97	98.03
10	-1.00	2.000	3.31	3.31	96.69
14	-0.50	1.400	5.55	5.55	94.45
18	0.00	1.000	8.29	8.29	91.71
25	0.50	0.710	12.12	12.12	87.88
35	1.00	0.500	16.35	16.35	83.65
45	1.50	0.355	20.07	20.07	79.93
60	2.00	0.250	25.85	25.85	74.15
80	2.50	0.180	40.93	40.93	59.07
120	3.00	0.125	79.66	79.67	20.33
170	3.50	0.090	97.46	97.47	2.53
200	3.75	0.075	98.38	98.39	1.61
230	4.00	0.063	99.26	99.27	0.73
PAN			99.98	99.99	0.01

PHI(5): -0.62 PHI(16): 0.96 PHI(25): 1.93  
PHI(50): 2.62 PHI(75): 2.94 PHI(84): 3.12  
PHI(95): 3.43

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.61%  
SKEWNESS: -1.122 KURTOSIS: 1.639

GRAPHIC METHOD

MEAN (PHI): 1.90 SORTING: 1.08  
MEAN (mm): 0.27 MEDIAN (mm): 0.16  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.17 SORTING: 1.24  
MEAN (mm): 0.22

DATA FILE NAME: JP#5 TOP.TAB

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

SAMPLE NO.: JP#5 MID  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01  
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.69

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	3.73	3.73	96.27
10	-1.00	2.000	5.95	5.95	94.05
14	-0.50	1.400	9.83	9.83	90.17
18	0.00	1.000	14.08	14.08	85.92
25	0.50	0.710	18.76	18.76	81.24
35	1.00	0.500	23.69	23.69	76.31
45	1.50	0.355	27.22	27.22	72.78
60	2.00	0.250	30.88	30.88	69.12
80	2.50	0.180	39.73	39.73	60.27
120	3.00	0.125	69.72	69.71	30.29
170	3.50	0.090	95.33	95.32	4.68
200	3.75	0.075	97.41	97.40	2.60
230	4.00	0.063	98.80	98.79	1.21
PAN			100.00	99.99	0.01

PHI(5): -1.21            PHI(16): 0.21            PHI(25): 1.19  
PHI(50): 2.67            PHI(75): 3.10            PHI(84): 3.28  
PHI(95): 3.49

SIEVE LOSS(g): 0.01            SILT/CLAY: 2.60%  
SKEWNESS: -0.996            KURTOSIS: 1.006

GRAPHIC METHOD

MEAN (PHI): 1.69            SORTING: 1.54  
MEAN (mm): 0.31            MEDIAN (mm): 0.16  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.02            SORTING: 1.52  
MEAN (mm): 0.25

DATA FILE NAME: JP#5 MID.TAB

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

SAMPLE NO.: JP#5 BOTT  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.99  
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.65

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	0.92	0.92	99.08
7	-1.50	2.800	1.32	1.32	98.68
10	-1.00	2.000	2.03	2.03	97.97
14	-0.50	1.400	3.05	3.05	96.95
18	0.00	1.000	4.30	4.30	95.70
25	0.50	0.710	6.06	6.06	93.94
35	1.00	0.500	8.13	8.13	91.87
45	1.50	0.355	10.08	10.08	89.92
60	2.00	0.250	13.52	13.52	86.48
80	2.50	0.180	23.57	23.57	76.43
120	3.00	0.125	66.99	67.00	33.00
170	3.50	0.090	94.43	94.44	5.56
200	3.75	0.075	97.17	97.18	2.82
230	4.00	0.063	98.78	98.79	1.21
PAN			99.98	99.99	0.01

PHI(5): 0.20 PHI(16): 2.12 PHI(25): 2.52  
PHI(50): 2.80 PHI(75): 3.15 PHI(84): 3.31  
PHI(95): 3.55

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.82%  
SKEWNESS: -1.567 KURTOSIS: 2.183

GRAPHIC METHOD

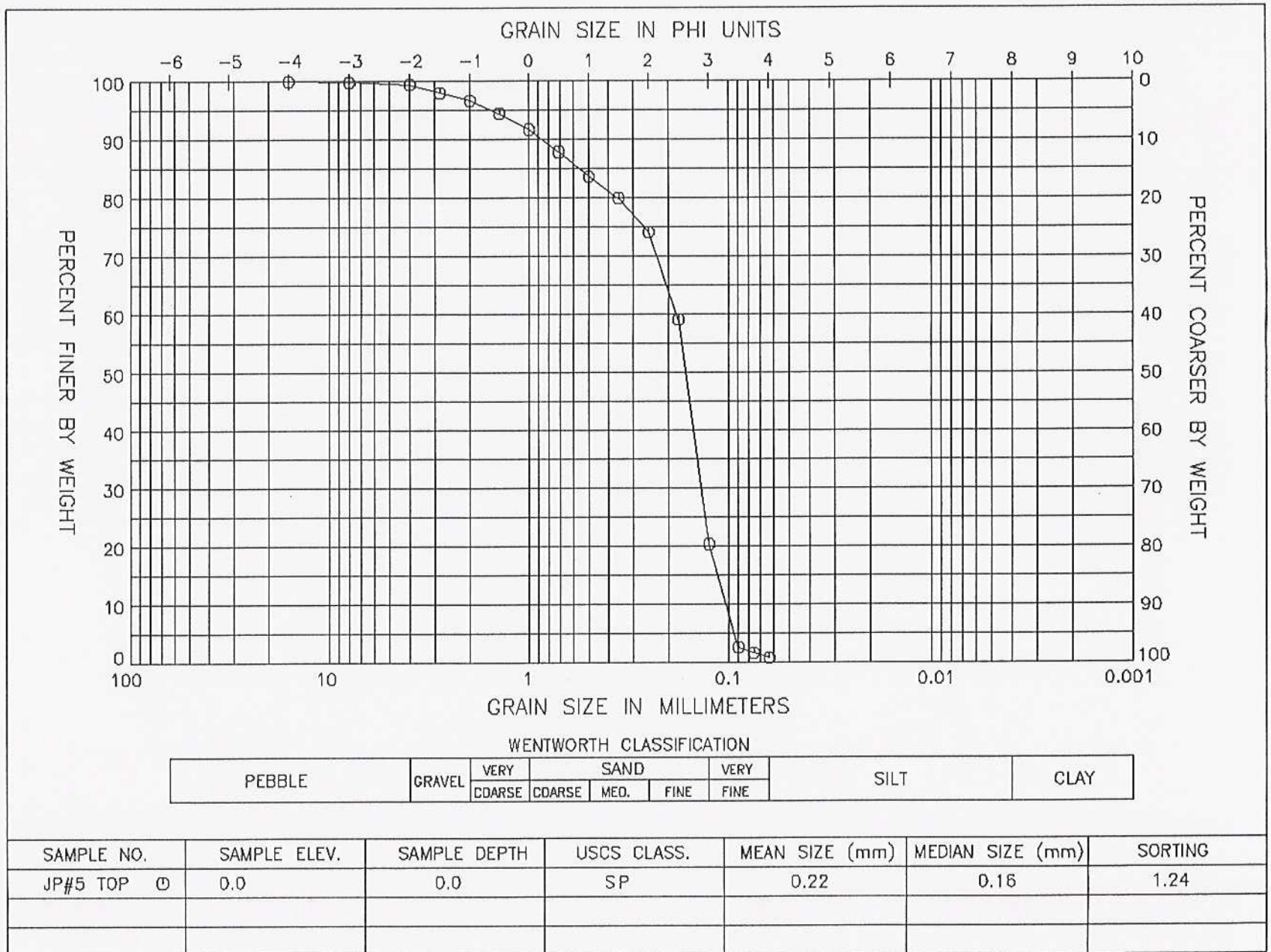
MEAN (PHI): 2.40 SORTING: 0.59  
MEAN (mm): 0.19 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

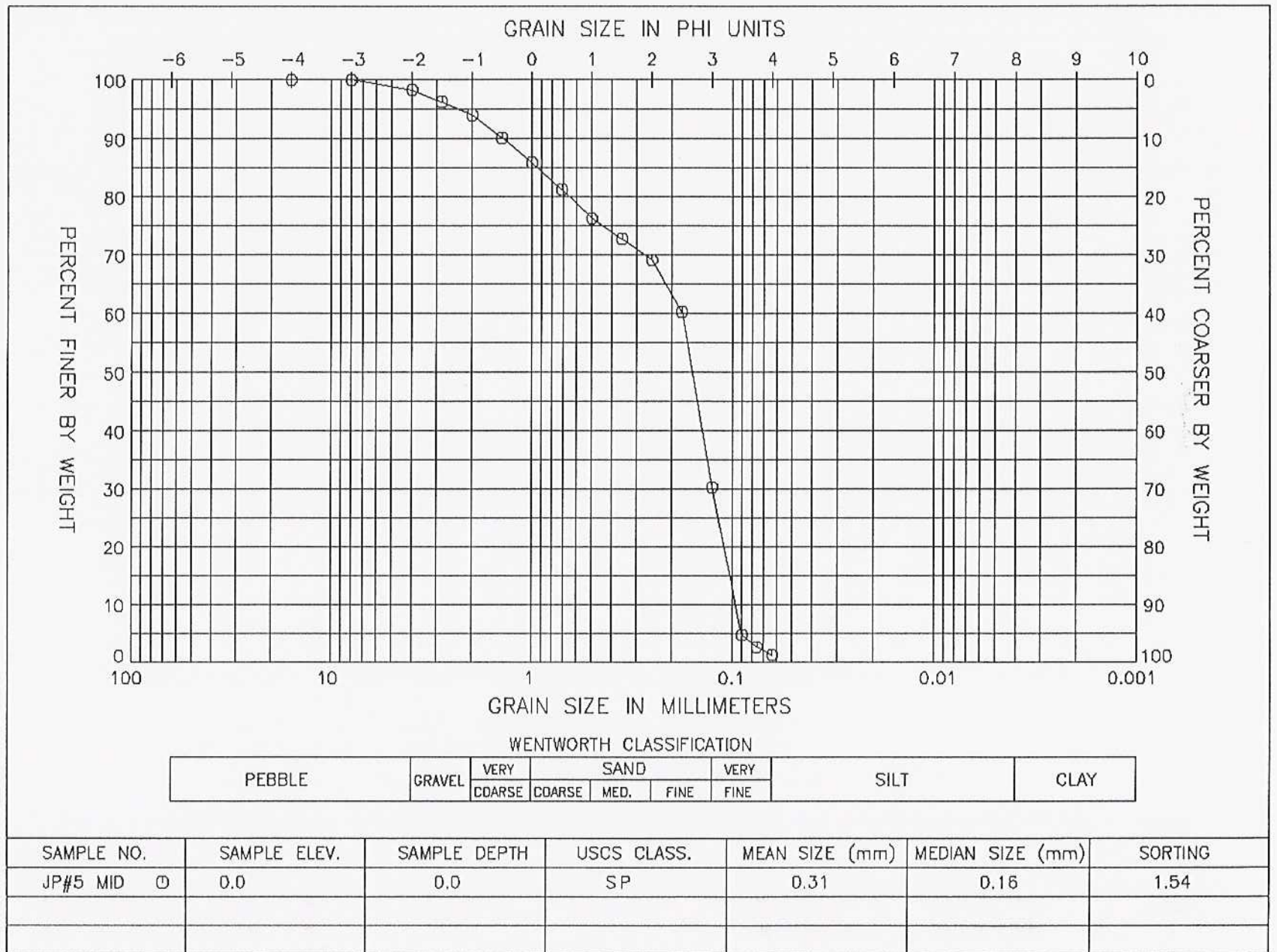
MEAN (PHI): 2.56 SORTING: 1.03  
MEAN (mm): 0.17

DATA FILE NAME: JP#5 BOTT.TAB

# GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE  
ESTERO JET PROBES 2000



# GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

