

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-24

COORDINATES:

N = 580268

E = 743302

DATE: 5/11/00

START TIME: 0923

END TIME: 0928

WATER DEPTH: 36.5'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 2.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-36.5	0		SEA FLOOR
		1		SAND, fine to medium, some fine shell hash, gray
	-38.5	2		ROCK
	-39	3		
SUPPORT VESSEL: CPE II		4		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		5		
NAVIGATION SYSTEM: "HYPACK"		6		
WEATHER:		7		
WIND:		8		
DIR: VARIABLE		9		
SPEED: <5 KT		10		
WAVES:		11		
DIR: VARIABLE		12		
HIEGHT: <1		13		
CURRENT:		14		
DIR: NONE		15		
SPEED: NONE		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY:		22		SURFACE: 0.24mm, 4.5% silt
TOP (0' - 1.25'): LOW		23		MID: 0.28mm, 3.5% silt
BOTTOM: (1.25' - 2.0'): LOW		24		BOTTOM: 0.23mm, 5.2% silt
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#24 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.05
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.73

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	0.01	0.01	99.99
7	-1.50	2.800	0.18	0.18	99.82
10	-1.00	2.000	0.47	0.47	99.53
14	-0.50	1.400	0.84	0.84	99.16
18	0.00	1.000	1.49	1.49	98.51
25	0.50	0.710	3.13	3.13	96.87
35	1.00	0.500	7.68	7.68	92.32
45	1.50	0.355	19.50	19.49	80.51
60	2.00	0.250	51.88	51.85	48.15
80	2.50	0.180	60.71	60.68	39.32
120	3.00	0.125	91.91	91.86	8.14
170	3.50	0.090	94.63	94.58	5.42
200	3.75	0.075	95.59	95.54	4.46
230	4.00	0.063	97.87	97.82	2.18
PAN			100.04	99.99	0.01

PHI(5): 0.71 PHI(16): 1.35 PHI(25): 1.59
PHI(50): 1.97 PHI(75): 2.73 PHI(84): 2.87
PHI(95): 3.61

SIEVE LOSS(g): 0.01 SILT/CLAY: 4.46%
SKEWNESS: 0.244 KURTOSIS: 1.040

GRAPHIC METHOD

MEAN (PHI): 2.10 SORTING: 0.76
MEAN (mm): 0.23 MEDIAN (mm): 0.26
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.05 SORTING: 0.82
MEAN (mm): 0.24

DATA FILE NAME: JP#24 TOP.TAB

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

SAMPLE NO.: JP#24 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.07
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.68

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	0.36	0.36	99.64
7	-1.50	2.800	0.77	0.77	99.23
10	-1.00	2.000	1.15	1.15	98.85
14	-0.50	1.400	1.76	1.76	98.24
18	0.00	1.000	2.67	2.67	97.33
25	0.50	0.710	5.58	5.58	94.42
35	1.00	0.500	11.96	11.95	88.05
45	1.50	0.355	23.66	23.64	76.36
60	2.00	0.250	56.04	56.00	44.00
80	2.50	0.180	79.64	79.58	20.42
120	3.00	0.125	92.73	92.67	7.33
170	3.50	0.090	95.65	95.58	4.42
200	3.75	0.075	96.53	96.46	3.54
230	4.00	0.063	98.36	98.30	1.70
PAN			100.07	100.00	0.00

PHI(5): 0.40	PHI(16): 1.17	PHI(25): 1.52
PHI(50): 1.91	PHI(75): 2.40	PHI(84): 2.67
PHI(95): 3.40		

SIEVE LOSS(g): 0.00	SILT/CLAY: 3.54%
SKEWNESS: -0.009	KURTOSIS: 1.394

GRAPHIC METHOD

MEAN (PHI): 1.91	SORTING: 0.75
MEAN (mm): 0.27	MEDIAN (mm): 0.27
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

MEAN (PHI): 1.86	SORTING: 0.87
MEAN (mm): 0.28	

DATA FILE NAME: JP#24 MID.TAB

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

SAMPLE NO.: JP#24 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 95.56
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.91

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	0.14	0.15	99.85
7	-1.50	2.800	0.36	0.38	99.62
10	-1.00	2.000	0.76	0.80	99.20
14	-0.50	1.400	1.29	1.35	98.65
18	0.00	1.000	2.06	2.16	97.84
25	0.50	0.710	3.56	3.73	96.27
35	1.00	0.500	7.37	7.71	92.29
45	1.50	0.355	16.38	17.14	82.86
60	2.00	0.250	44.89	46.98	53.02
80	2.50	0.180	51.95	54.36	45.64
120	3.00	0.125	84.70	88.64	11.36
170	3.50	0.090	89.02	93.16	6.84
200	3.75	0.075	90.63	94.84	5.16
230	4.00	0.063	93.20	97.53	2.47
PAN			95.54	99.98	0.02

PHI(5): 0.66 PHI(16): 1.44 PHI(25): 1.63
PHI(50): 2.20 PHI(75): 2.80 PHI(84): 2.93
PHI(95): 3.76

SIEVE LOSS(g): 0.02 SILT/CLAY: 5.16%
SKEWNESS: 0.010 KURTOSIS: 1.088

GRAPHIC METHOD

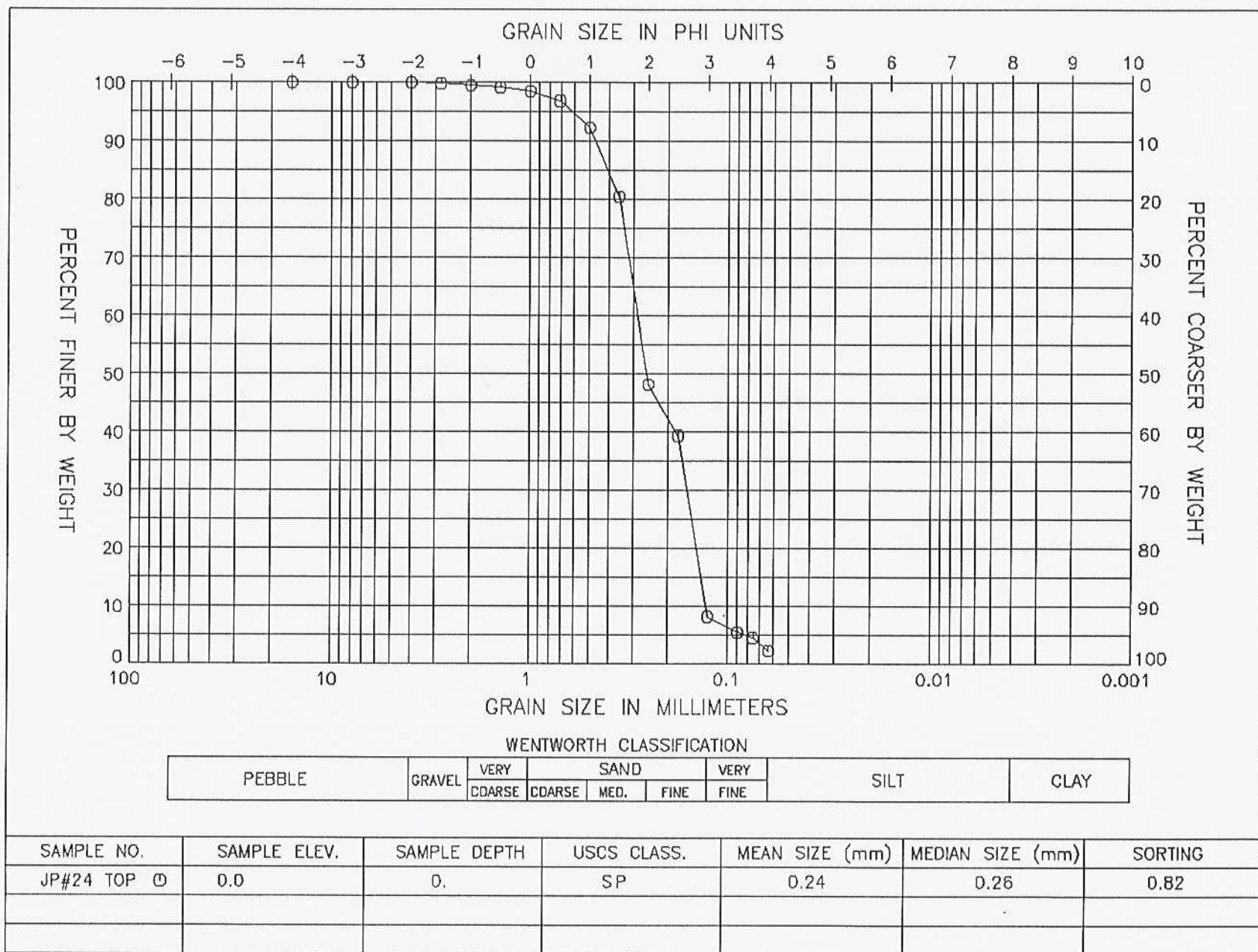
MEAN (PHI): 2.20 SORTING: 0.75
MEAN (mm): 0.22 MEDIAN (mm): 0.22
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

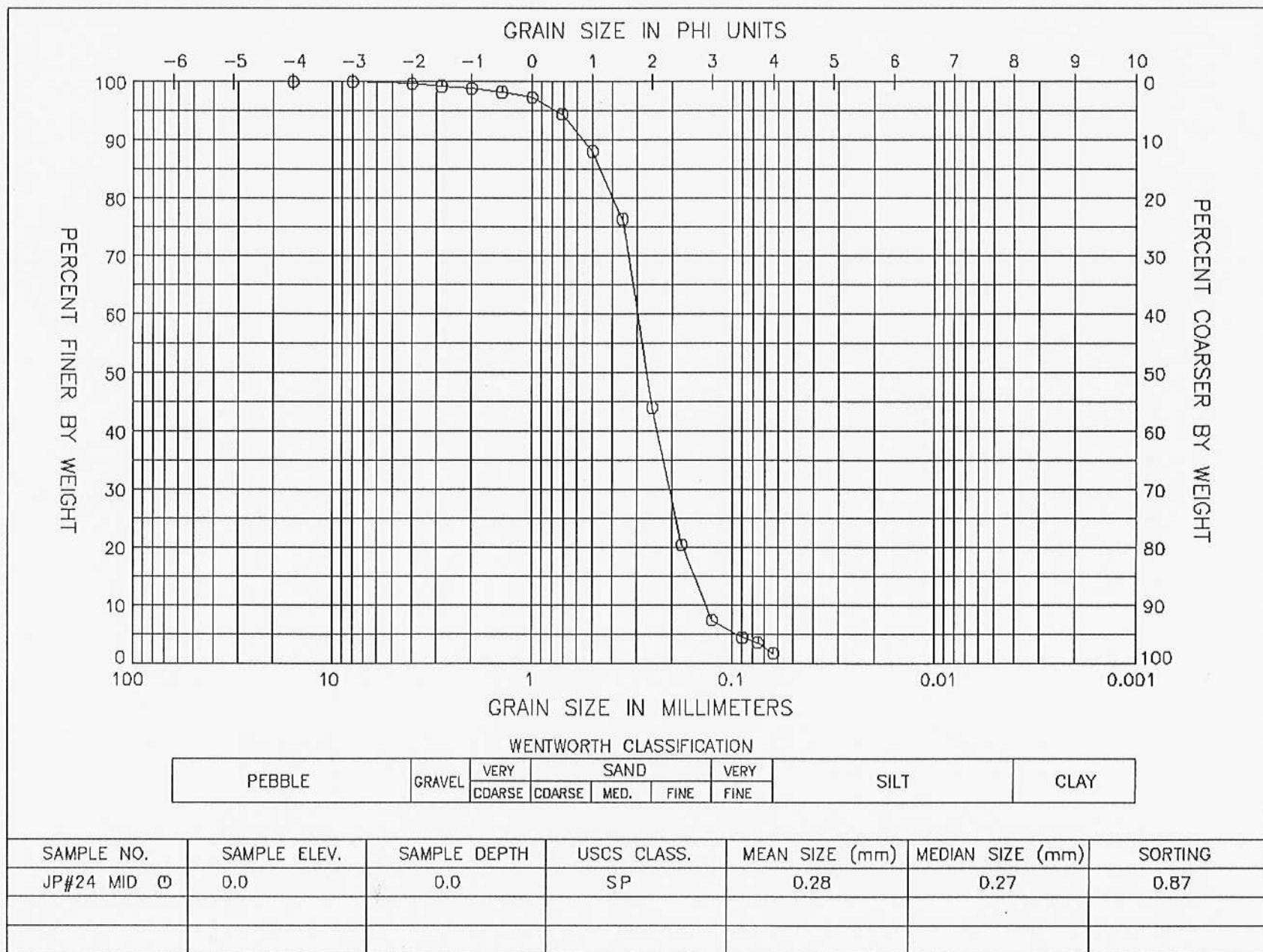
MEAN (PHI): 2.13 SORTING: 0.88
MEAN (mm): 0.23

DATA FILE NAME: jp#24 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

