

# JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-12

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: 15.0'+ 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		
WEATHER:  WIND: DIR: S-SE SPEED: 5-10 KT  WAVES: DIR: NE HEIGHT: 1-2 ft  CURRENT: DIR: NA SPEED: 1-2 KT		2		
		3		
		4		
		5		
		6		
		7		
		8		SAND, fine grained, shell hash, gray
		9		
		10		
		11		
		12		
		13		
		14		
	-22.5	15		
	-23.5	16		HOLE COLLAPSE
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 7.5'): MOD BOTTOM (5.5' - 15'): MOD		22		SURFACE: 0.16mm, 3.2% silt
		23		MID: 0.34mm, 1.7% silt
DRAWN BY: TT COMM.NO: 8410.02		24		BOTTOM: 0.17mm, 3.7% silt

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

SAMPLE NO.: JP#12 TOP  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.98  
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.93

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	0.14	99.86
7	-1.50	2.800	0.49	0.49	99.51
10	-1.00	2.000	0.80	0.80	99.20
14	-0.50	1.400	1.39	1.39	98.61
18	0.00	1.000	2.17	2.17	97.83
25	0.50	0.710	3.14	3.14	96.86
35	1.00	0.500	4.37	4.37	95.63
45	1.50	0.355	5.67	5.67	94.33
60	2.00	0.250	8.98	8.98	91.02
80	2.50	0.180	17.62	17.62	82.38
120	3.00	0.125	72.34	72.35	27.65
170	3.50	0.090	94.94	94.96	5.04
200	3.75	0.075	96.78	96.80	3.20
230	4.00	0.063	98.45	98.46	1.54
PAN			99.97	99.99	0.01

PHI(5): 1.24 PHI(16): 2.41 PHI(25): 2.57  
PHI(50): 2.80 PHI(75): 3.06 PHI(84): 3.26  
PHI(95): 3.51

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.20%  
SKEWNESS: -0.991 KURTOSIS: 1.889

GRAPHIC METHOD

MEAN (PHI): 2.64 SORTING: 0.43  
MEAN (mm): 0.16 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.67 SORTING: 0.77  
MEAN (mm): 0.16

DATA FILE NAME: JP#12 TOP.TAB

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

SAMPLE NO.: JP#12 MID  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.96  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.31

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	2.37	2.37	97.63
7	-1.50	2.800	5.97	5.97	94.03
10	-1.00	2.000	11.12	11.12	88.88
14	-0.50	1.400	18.11	18.12	81.88
18	0.00	1.000	23.29	23.30	76.70
25	0.50	0.710	28.79	28.80	71.20
35	1.00	0.500	32.52	32.53	67.47
45	1.50	0.355	35.47	35.48	64.52
60	2.00	0.250	41.14	41.16	58.84
80	2.50	0.180	49.93	49.95	50.05
120	3.00	0.125	87.46	87.49	12.51
170	3.50	0.090	97.66	97.70	2.30
200	3.75	0.075	98.22	98.26	1.74
230	4.00	0.063	99.12	99.15	0.85
PAN			99.95	99.99	0.01

PHI(5): -1.63 PHI(16): -0.65 PHI(25): 0.15  
PHI(50): 2.50 PHI(75): 2.83 PHI(84): 2.95  
PHI(95): 3.37

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.74%  
SKEWNESS: -0.907 KURTOSIS: 0.765

GRAPHIC METHOD

MEAN (PHI): 1.31 SORTING: 1.80  
MEAN (mm): 0.40 MEDIAN (mm): 0.18  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.56 SORTING: 1.68  
MEAN (mm): 0.34

DATA FILE NAME: JP#12 MID.TAB



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

SAMPLE NO.: JP#12 BOTT  
SAMPLE ELEV. (FT. NGVD): 0.0  
SAMPLE DEPTH (FT.): 0.0  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.94  
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.79

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	0.53	0.53	99.47
7	-1.50	2.800	1.58	1.58	98.42
10	-1.00	2.000	2.83	2.83	97.17
14	-0.50	1.400	4.70	4.70	95.30
18	0.00	1.000	6.41	6.41	93.59
25	0.50	0.710	7.95	7.95	92.05
35	1.00	0.500	9.41	9.42	90.58
45	1.50	0.355	10.72	10.73	89.27
60	2.00	0.250	13.38	13.39	86.61
80	2.50	0.180	20.67	20.68	79.32
120	3.00	0.125	61.81	61.85	38.15
170	3.50	0.090	92.14	92.20	7.80
200	3.75	0.075	96.22	96.28	3.72
230	4.00	0.063	98.32	98.38	1.62
PAN			99.93	99.99	0.01

PHI(5): -0.41 PHI(16): 2.18 PHI(25): 2.55  
PHI(50): 2.86 PHI(75): 3.22 PHI(84): 3.36  
PHI(95): 3.67

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.72%  
SKEWNESS: -2.069 KURTOSIS: 2.520

GRAPHIC METHOD

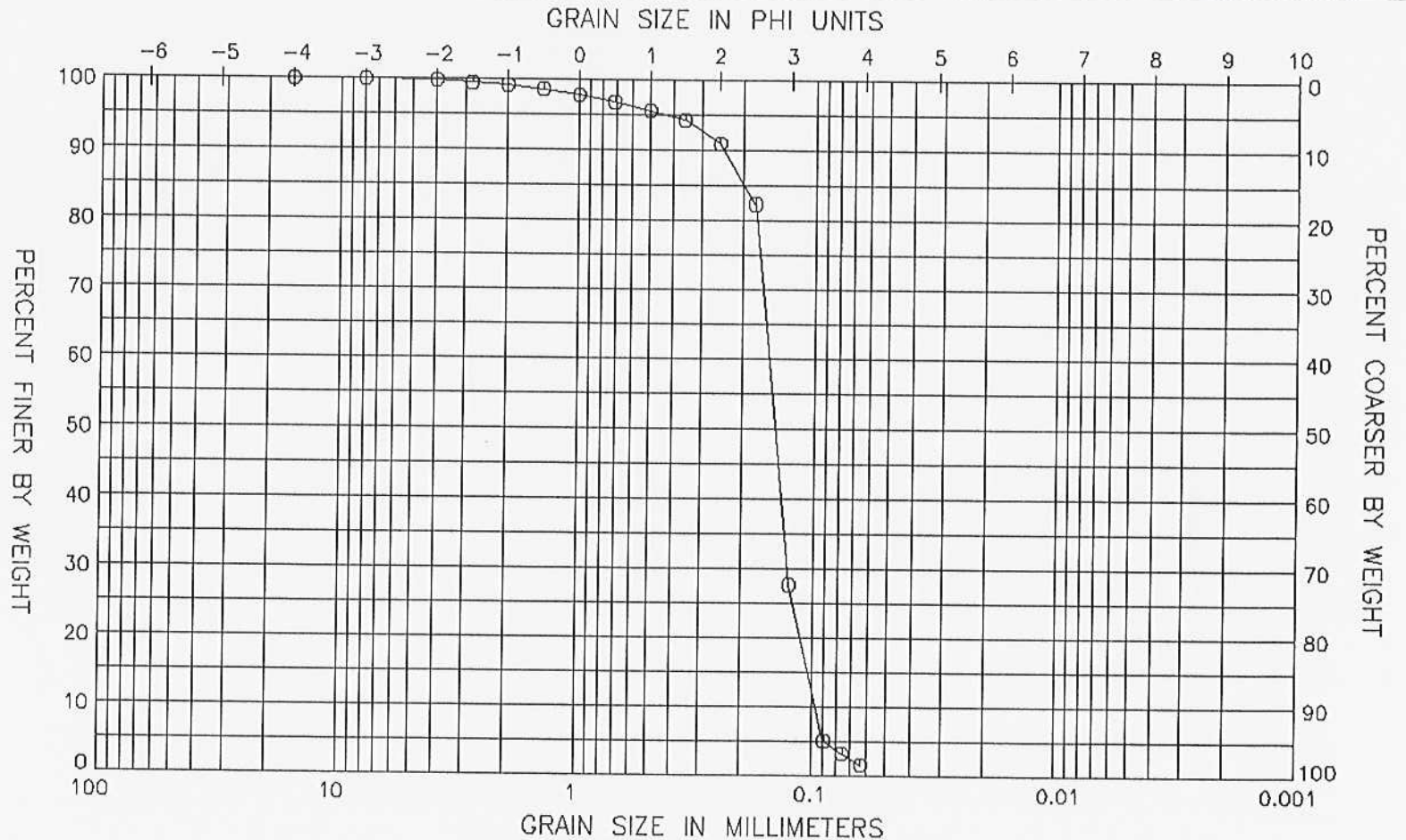
MEAN (PHI): 2.33 SORTING: 0.59  
MEAN (mm): 0.20 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.57 SORTING: 1.14  
MEAN (mm): 0.17

DATA FILE NAME: JP#12 BOTTOM.TAB

GRAIN SIZE DISTRIBUTION CURVE  
ESTERO JET PROBES 2000

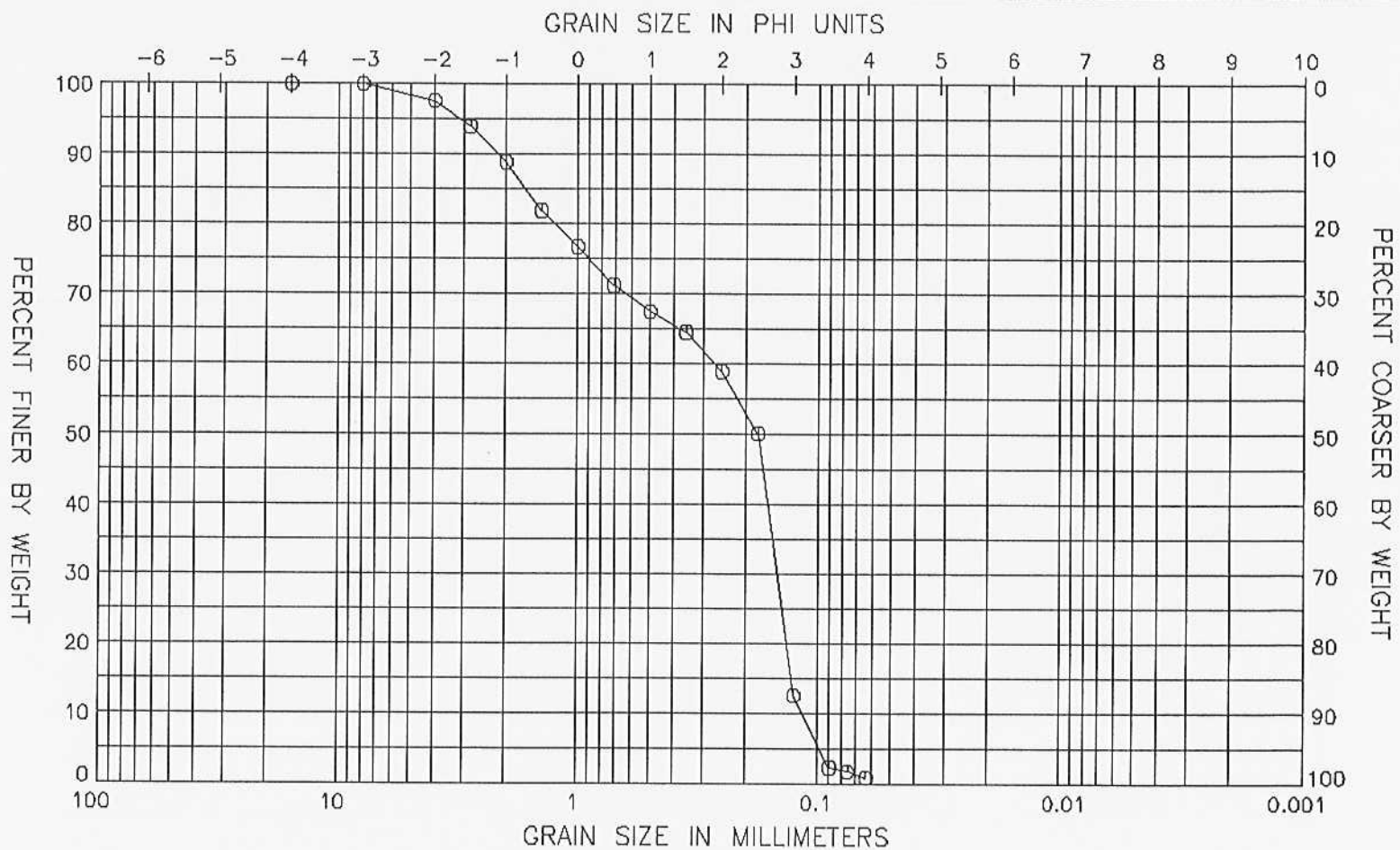


WENTWORTH CLASSIFICATION

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#12 TOP ①	0.0	0.0	SP	0.16	0.14	0.77

GRAIN SIZE DISTRIBUTION CURVE  
ESTERO JET PROBES 2000



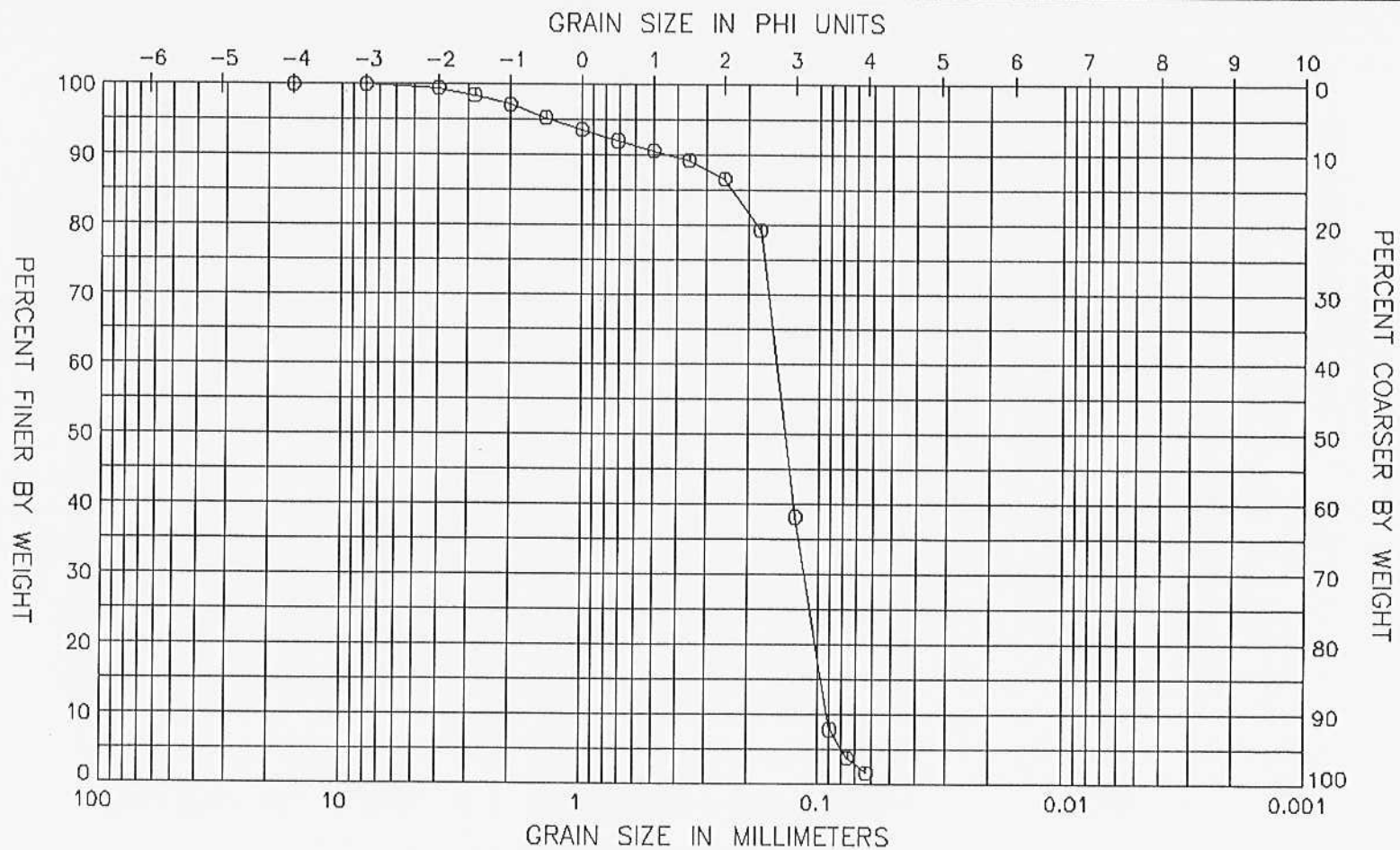
WENTWORTH CLASSIFICATION

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#12 MID ①	0.0	0.0	SP	0.34	0.18	1.68



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#12 BOTT O	0.0	0.0	SP	0.17	0.14	1.14