

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-11

COORDINATES:

N = 685778

E = 750053

DATE: 5/10/00

START TIME: 1014

END TIME: 1018

WATER DEPTH: 10.0'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 18.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-10.4	0		SEA FLOOR
		1		Scattered Baseball Size rubble on surface.
		2		
		3		
SUPPORT VESSEL: CPE II		4		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		5		
NAVIGATION SYSTEM: "HYPACK"		6		
WEATHER:		7		
WIND:		8		
DIR: S-SE		9		
SPEED: 5-10 KT		10		SAND, fine grained, shell hash, gray, some shell hash layers
WAVES:		11		
DIR: NE		12		
HIEGHT: 1-2 ft		13		
CURRENT:		14		
DIR: NA		15		
SPEED: 1-2 KT		16		
		17		
	-28.4	18		
	-29.4	19		ROCK
		20		
		21		SAND SAMPLES
TURBIDITY:		22		SURFACE: 0.17mm, 4.1% silt
TOP (0' - 9'): MOD		23		MID: 0.24mm, 9.1% silt
BOTTOM: (9.5' - 18'): MOD		24		BOTTOM: 0.13mm, 7.0% 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#11 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.03
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.05

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	0.24	0.24	99.76
7	-1.50	2.800	0.65	0.65	99.35
10	-1.00	2.000	1.43	1.43	98.57
14	-0.50	1.400	2.68	2.68	97.32
18	0.00	1.000	4.32	4.32	95.68
25	0.50	0.710	6.26	6.26	93.74
35	1.00	0.500	8.49	8.49	91.51
45	1.50	0.355	12.49	12.49	87.51
60	2.00	0.250	13.50	13.50	86.50
80	2.50	0.180	20.86	20.85	79.15
120	3.00	0.125	71.77	71.75	28.25
170	3.50	0.090	94.99	94.96	5.04
200	3.75	0.075	95.95	95.92	4.08
230	4.00	0.063	98.03	98.00	2.00
PAN			100.02	99.99	0.01

PHI(5): 0.18 PHI(16): 2.17 PHI(25): 2.54
PHI(50): 2.79 PHI(75): 3.07 PHI(84): 3.26
PHI(95): 3.51

SIEVE LOSS(g): 0.01 SILT/CLAY: 4.08%
SKEWNESS: -1.725 KURTOSIS: 2.582

GRAPHIC METHOD

MEAN (PHI): 2.38 SORTING: 0.55
MEAN (mm) : 0.19 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.54 SORTING: 0.99
MEAN (mm) : 0.17

DATA FILE NAME: JP#11 TOP.TAB

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

SAMPLE NO.: JP#11 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 91.06

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	1.94	1.94	98.06
7	-1.50	2.800	4.29	4.29	95.71
10	-1.00	2.000	7.70	7.70	92.30
14	-0.50	1.400	11.99	11.99	88.01
18	0.00	1.000	15.42	15.42	84.58
25	0.50	0.710	18.95	18.95	81.05
35	1.00	0.500	21.73	21.73	78.27
45	1.50	0.355	23.47	23.47	76.53
60	2.00	0.250	25.63	25.63	74.37
80	2.50	0.180	29.83	29.83	70.17
120	3.00	0.125	71.17	71.17	28.83
170	3.50	0.090	89.28	89.28	10.72
200	3.75	0.075	90.94	90.94	9.06
230	4.00	0.063	95.51	95.51	4.49
PAN			99.99	99.99	0.01

PHI(5): -1.40 PHI(16): 0.08 PHI(25): 1.85
PHI(50): 2.74 PHI(75): 3.11 PHI(84): 3.35
PHI(95): 3.97

SIEVE LOSS(g): 0.01 SILT/CLAY: 9.06%
SKEWNESS: -0.890 KURTOSIS: 1.758

GRAPHIC METHOD

MEAN (PHI): 1.75 SORTING: 1.64
MEAN (mm): 0.30 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.07 SORTING: 1.61
MEAN (mm): 0.24

DATA FILE NAME: JP#11 MID.TAB

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

SAMPLE NO.: JP#11 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.82
SAMPLE WEIGHT AFTER WASH (GRAMS): 93.32

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	0.10	0.10	99.90
7	-1.50	2.800	0.16	0.16	99.84
10	-1.00	2.000	0.45	0.45	99.55
14	-0.50	1.400	0.73	0.73	99.27
18	0.00	1.000	1.06	1.06	98.94
25	0.50	0.710	1.45	1.45	98.55
35	1.00	0.500	1.93	1.93	98.07
45	1.50	0.355	2.42	2.42	97.58
60	2.00	0.250	3.41	3.42	96.58
80	2.50	0.180	7.52	7.53	92.47
120	3.00	0.125	55.70	55.80	44.20
170	3.50	0.090	89.13	89.29	10.71
200	3.75	0.075	92.86	93.03	6.97
230	4.00	0.063	96.54	96.71	3.29
PAN			99.80	99.98	0.02

PHI(5): 2.19 PHI(16): 2.59 PHI(25): 2.68
PHI(50): 2.94 PHI(75): 3.29 PHI(84): 3.42
PHI(95): 3.88

SIEVE LOSS(g): 0.02 SILT/CLAY: 6.97%
SKEWNESS: 0.236 KURTOSIS: 1.144

GRAPHIC METHOD

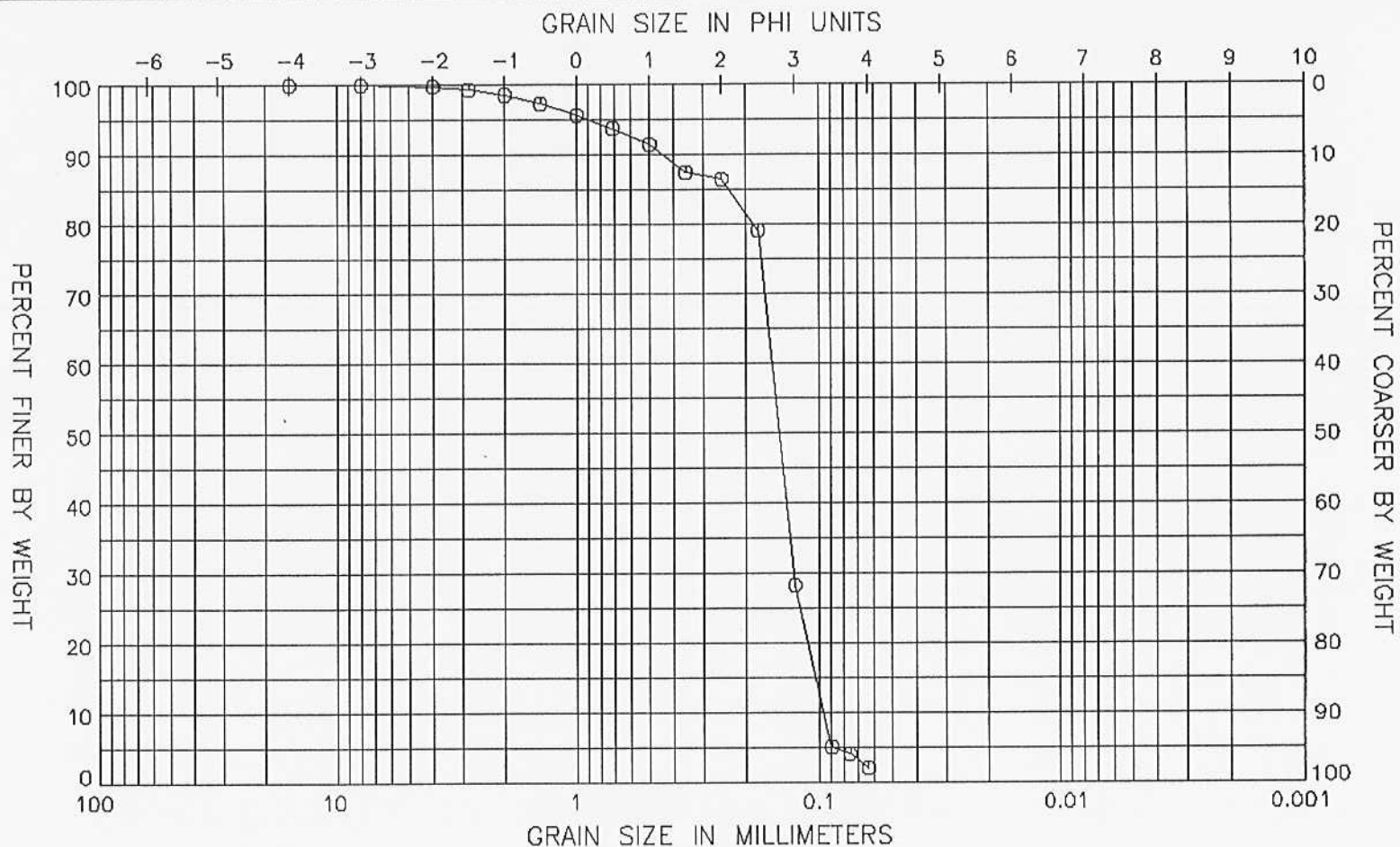
MEAN (PHI): 3.00 SORTING: 0.42
MEAN (mm): 0.12 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.90 SORTING: 0.61
MEAN (mm): 0.13

DATA FILE NAME: JP#11 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000

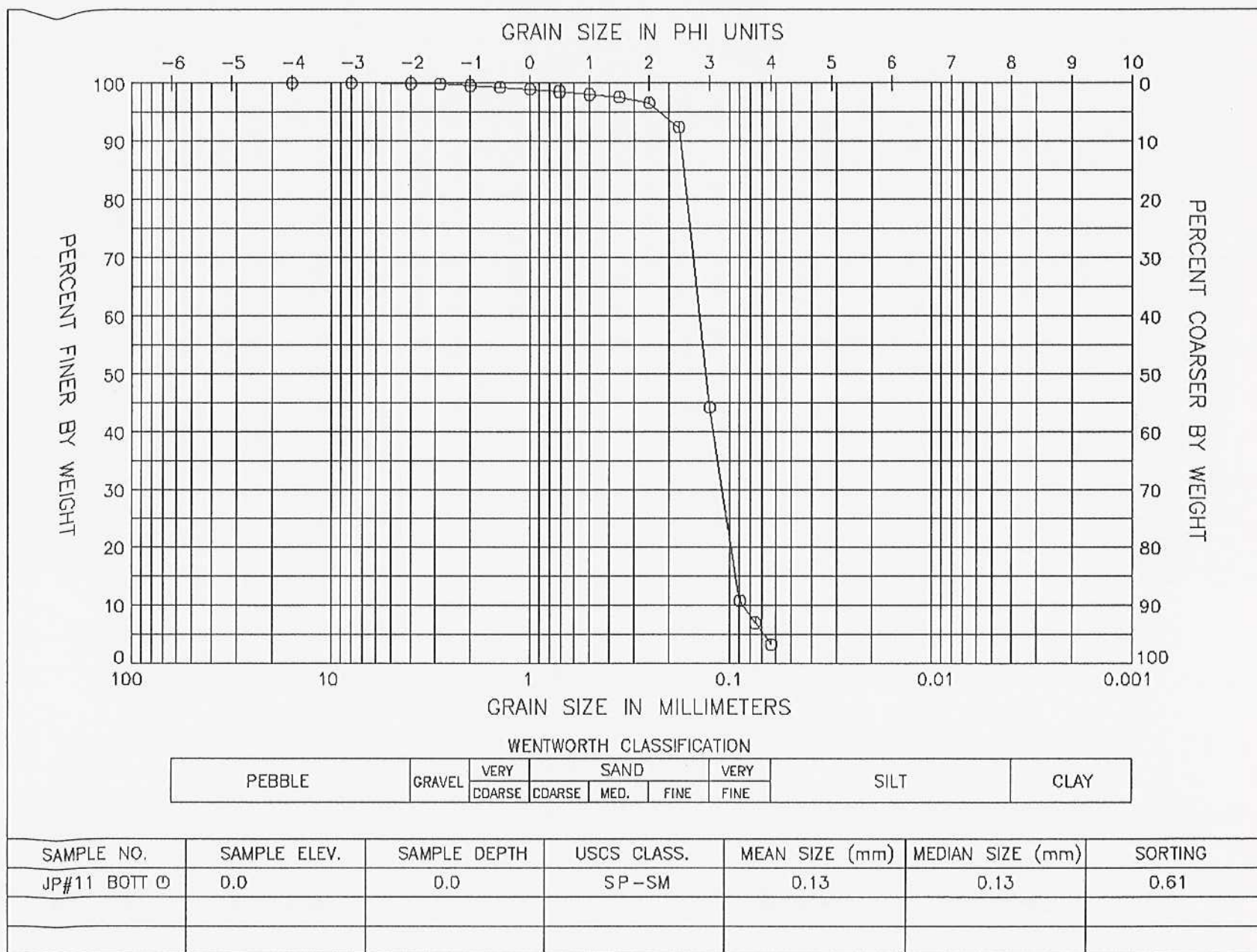


WENTWORTH CLASSIFICATION

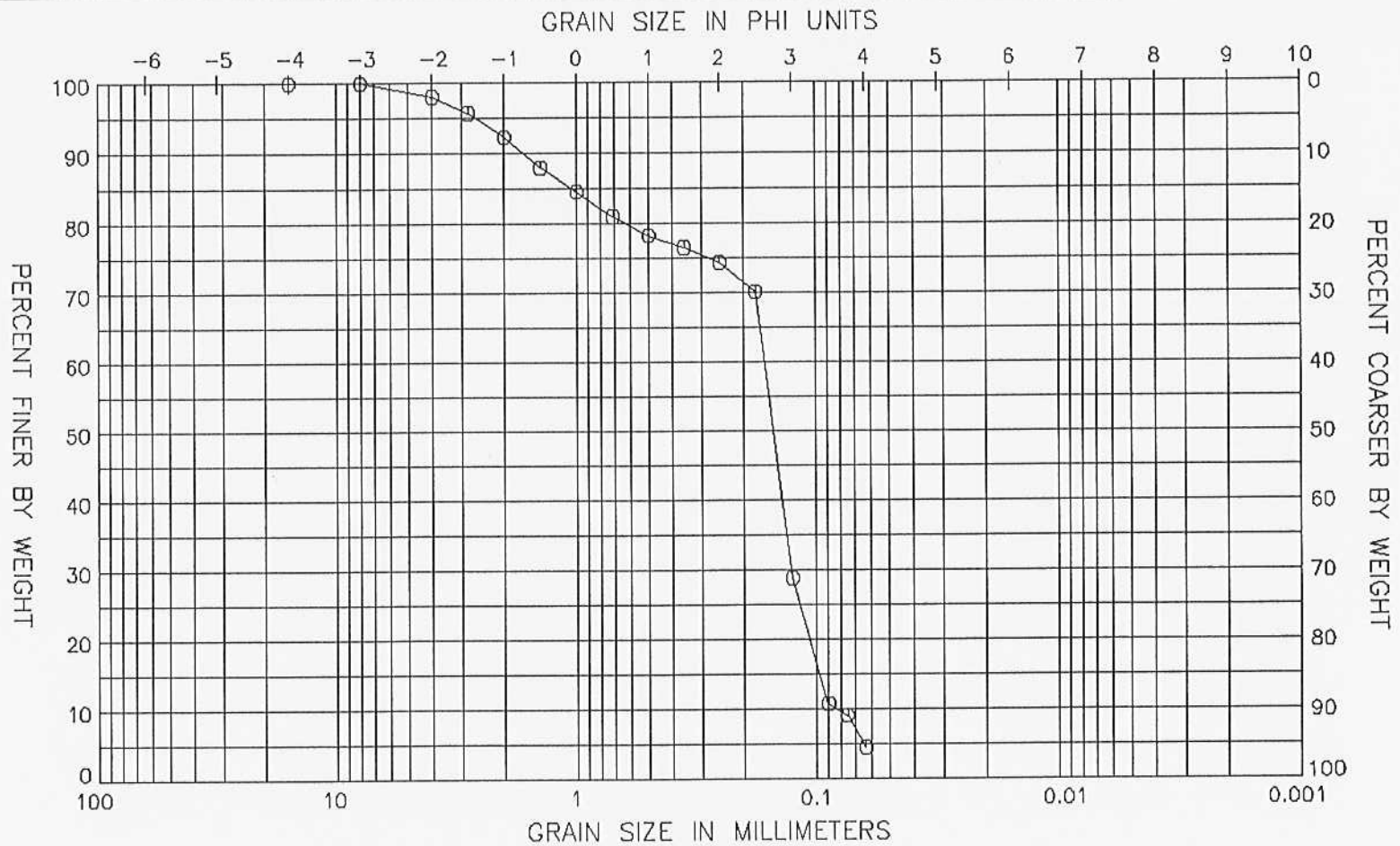
PEBBLE	GRAVEL	VERY	SAND			VERY	SILT	CLAY
		COARSE	COARSE	MED.	FINE	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
JP#11 TOP \odot	0.0	0.0	SP	0.17	0.14	0.99

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



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#11 MID \odot	0.0	0.0	SP-SM	0.24	0.15	1.61