

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-6

COORDINATES:

N = 662203

E = 766514

DATE: 5/10/00

START TIME: 1225

END TIME: 1229

WATER DEPTH: 6.5'

TOP DIVER: CK

BOTTOM DIVER: TT

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"	-6.5	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, trace of shell hash in layers throughout, gray
		8		
		9		
		10		
		11		
		12		
		13		
		14		
	-21.5	15		
	-22.5	16		ROCK
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 8'): LOW BOTTOM: (8' - 15'): LOW		22		SURFACE: 0.15mm, 3.2% silt
		23		MID: 0.16mm, 3.7% silt
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		24		BOTTOM: 0.14mm, 3.4% silt

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

SAMPLE NO.: JP#6 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.29
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.24

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	0.09	0.09	99.91
7	-1.50	2.800	0.24	0.24	99.76
10	-1.00	2.000	0.46	0.46	99.54
14	-0.50	1.400	0.79	0.79	99.21
18	0.00	1.000	1.23	1.23	98.77
25	0.50	0.710	1.89	1.88	98.12
35	1.00	0.500	2.87	2.86	97.14
45	1.50	0.355	3.93	3.92	96.08
60	2.00	0.250	5.76	5.74	94.26
80	2.50	0.180	7.16	7.14	92.86
120	3.00	0.125	81.51	81.27	18.73
170	3.50	0.090	96.07	95.79	4.21
200	3.75	0.075	97.09	96.81	3.19
230	4.00	0.063	98.69	98.41	1.59
PAN			100.28	99.99	0.01

PHI(5): 1.80 PHI(16): 2.56 PHI(25): 2.62
PHI(50): 2.79 PHI(75): 2.96 PHI(84): 3.09
PHI(95): 3.47

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.19%
SKEWNESS: -0.579 KURTOSIS: 2.037

GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.27
MEAN (mm): 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.73 SORTING: 0.60
MEAN (mm): 0.15

DATA FILE NAME: JP#6 TOP.TAB

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

SAMPLE NO.: JP#6 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): 96.34

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	0.44	0.44	99.56
7	-1.50	2.800	1.50	1.50	98.50
10	-1.00	2.000	2.27	2.27	97.73
14	-0.50	1.400	3.15	3.15	96.85
18	0.00	1.000	4.08	4.08	95.92
25	0.50	0.710	5.23	5.23	94.77
35	1.00	0.500	6.30	6.30	93.70
45	1.50	0.355	7.02	7.02	92.98
60	2.00	0.250	7.96	7.96	92.04
80	2.50	0.180	10.02	10.02	89.98
120	3.00	0.125	66.67	66.70	33.30
170	3.50	0.090	94.90	94.94	5.06
200	3.75	0.075	96.23	96.27	3.73
230	4.00	0.063	98.14	98.18	1.82
PAN			99.96	100.00	0.00

PHI(5): 0.40 PHI(16): 2.55 PHI(25): 2.63
PHI(50): 2.85 PHI(75): 3.15 PHI(84): 3.31
PHI(95): 3.51

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.73%
SKEWNESS: -2.381 KURTOSIS: 2.478

GRAPHIC METHOD

MEAN (PHI): 2.52 SORTING: 0.38
MEAN (mm): 0.17 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.68 SORTING: 0.96
MEAN (mm): 0.16

DATA FILE NAME: JP#6 MID.TAB

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

SAMPLE NO.: JP#6 BOTT
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): 96.85

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	0.00	0.00	100.00
7	-1.50	2.800	0.10	0.10	99.90
10	-1.00	2.000	0.20	0.20	99.80
14	-0.50	1.400	0.38	0.38	99.62
18	0.00	1.000	0.58	0.58	99.42
25	0.50	0.710	0.95	0.95	99.05
35	1.00	0.500	1.41	1.41	98.59
45	1.50	0.355	2.01	2.01	97.99
60	2.00	0.250	3.30	3.30	96.70
80	2.50	0.180	7.91	7.91	92.09
120	3.00	0.125	74.97	74.95	25.05
170	3.50	0.090	95.38	95.35	4.65
200	3.75	0.075	96.60	96.57	3.43
230	4.00	0.063	98.43	98.40	1.60
PAN			100.02	99.99	0.01

PHI(5): 2.18 PHI(16): 2.56 PHI(25): 2.63
PHI(50): 2.81 PHI(75): 3.00 PHI(84): 3.22
PHI(95): 3.49

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.43%
SKEWNESS: 0.073 KURTOSIS: 1.433

GRAPHIC METHOD

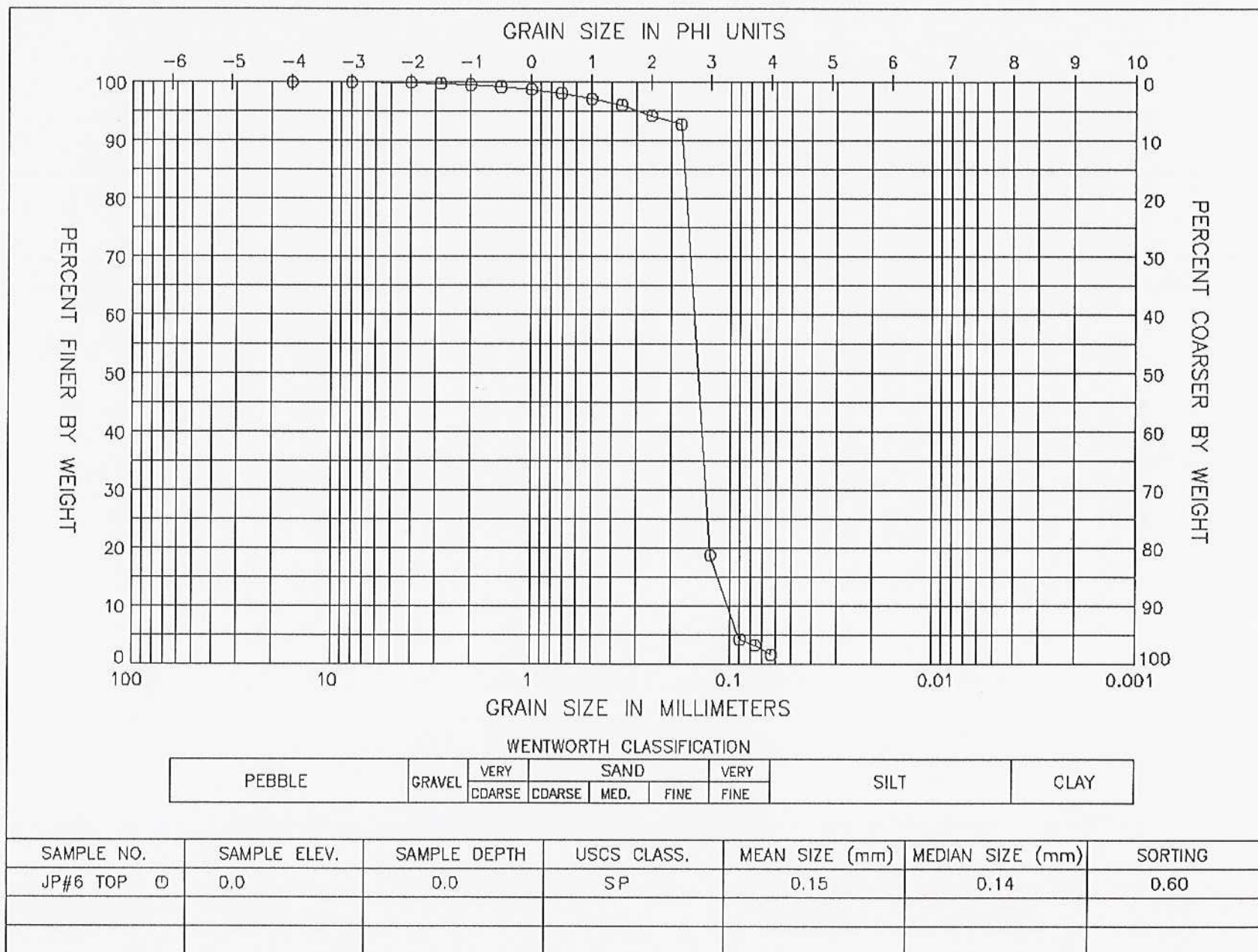
MEAN (PHI): 2.85 SORTING: 0.33
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

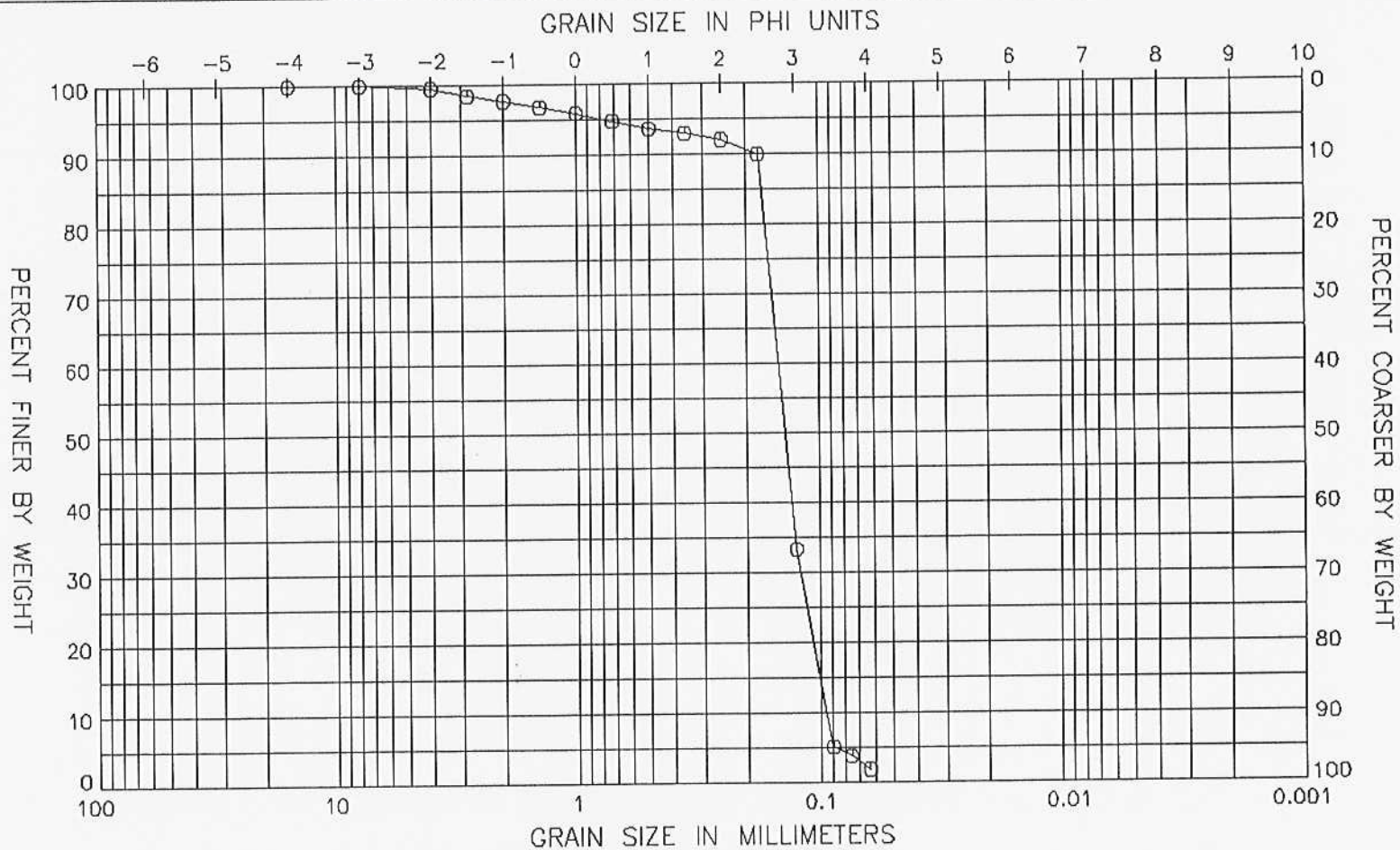
MEAN (PHI): 2.80 SORTING: 0.49
MEAN (mm): 0.14

DATA FILE NAME: JP#6 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

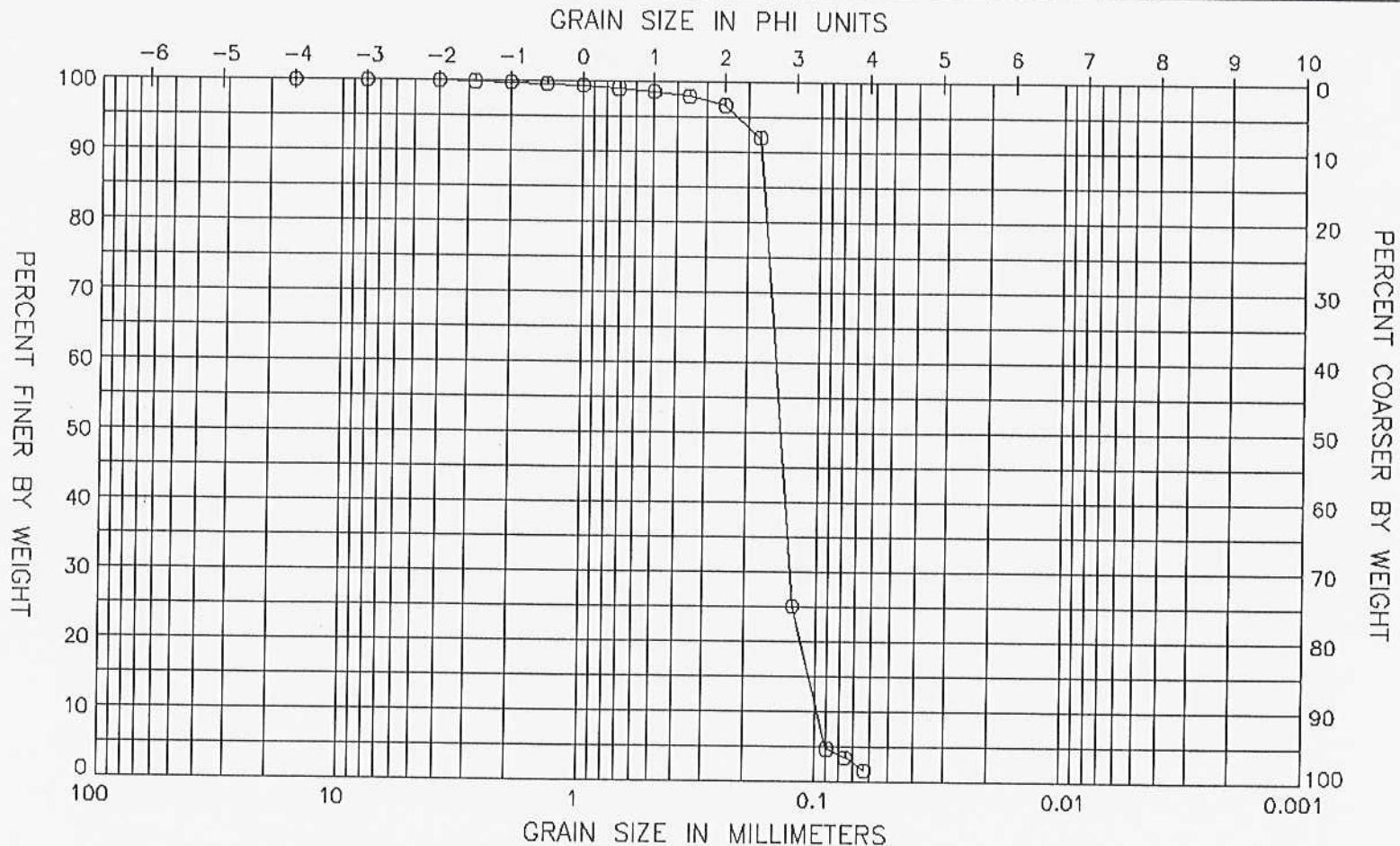


WENTWORTH CLASSIFICATION

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#6 MID ①	0.0	0.0	SP	0.16	0.14	0.96

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#6 BOTT ①	0.0	0.0	SP	0.14	0.14	0.49