

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-18

COORDINATES:

N = 695529

E = 744890

DATE: 5/10/00

START TIME: 0804

END TIME: 0808

WATER DEPTH: 10.5

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 6.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-10.5	0		SEA FLOOR
		1		SAND, fine grained, shelly, dark gray
	-12.5	2		
		3		RUBBLE
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-14.5	4		
		5		SAND, fine grained, gray
	-16.5	6		
	-17.5	7		ROCK
WEATHER: WIND: DIR: E-SE SPEED: 5 KT. WAVES: DIR: NE HIEGHT: 1-2 ft CURRENT: DIR: NA SPEED: 0-1KT		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
		22		SURFACE: 0.12mm, 6.1% silt
		23		MID: 0.37mm, 5.5% silt
		24		BOTTOM: 0.42mm, 4.4% silt
TURBIDITY: TOP (0' - 3'): HIGH BOTTOM: (3' - 6'): HIGH				
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#18 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.97
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.83

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	0.00	0.00	100.00
10	-1.00	2.000	0.07	0.07	99.93
14	-0.50	1.400	0.18	0.18	99.82
18	0.00	1.000	0.37	0.37	99.63
25	0.50	0.710	0.67	0.67	99.33
35	1.00	0.500	1.05	1.05	98.95
45	1.50	0.355	1.47	1.47	98.53
60	2.00	0.250	2.15	2.15	97.85
80	2.50	0.180	5.84	5.84	94.16
120	3.00	0.125	41.22	41.23	58.77
170	3.50	0.090	87.06	87.09	12.91
200	3.75	0.075	93.86	93.89	6.11
230	4.00	0.063	97.27	97.30	2.70
PAN			99.96	99.99	0.01

PHI(5): 2.39 PHI(16): 2.64 PHI(25): 2.77
PHI(50): 3.10 PHI(75): 3.37 PHI(84): 3.47
PHI(95): 3.83

SIEVE LOSS(g): 0.01 SILT/CLAY: 6.11%
SKEWNESS: 0.032 KURTOSIS: 0.991

GRAPHIC METHOD
MEAN (PHI): 3.08 SORTING: 0.41
MEAN (mm): 0.12 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 3.03 SORTING: 0.49
MEAN (mm): 0.12

DATA FILE NAME: JP#18 TOP.TAB

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

SAMPLE NO.: JP#18 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.93

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	0.46	0.46	99.54
5	-2.00	4.000	7.40	7.40	92.60
7	-1.50	2.800	13.62	13.62	86.38
10	-1.00	2.000	19.38	19.38	80.62
14	-0.50	1.400	26.21	26.21	73.79
18	0.00	1.000	30.91	30.91	69.09
25	0.50	0.710	34.43	34.43	65.57
35	1.00	0.500	36.13	36.13	63.87
45	1.50	0.355	37.10	37.10	62.90
60	2.00	0.250	38.73	38.73	61.27
80	2.50	0.180	42.33	42.33	57.67
120	3.00	0.125	67.83	67.82	32.18
170	3.50	0.090	91.45	91.44	8.56
200	3.75	0.075	94.47	94.46	5.54
230	4.00	0.063	97.42	97.41	2.59
PAN			100.00	99.99	0.01

PHI(5): -2.35 PHI(16): -1.29 PHI(25): -0.59
PHI(50): 2.65 PHI(75): 3.15 PHI(84): 3.34
PHI(95): 3.80

SIEVE LOSS(g): 0.01
SKEWNESS: -0.831

SILT/CLAY: 5.54%
KURTOSIS: 0.673

GRAPHIC METHOD

MEAN (PHI): 1.23

MEAN (mm): 0.43

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

SORTING: 2.32

MEDIAN (mm): 0.16

MOMENT METHOD

MEAN (PHI): 1.44

MEAN (mm): 0.37

SORTING: 2.10

DATA FILE NAME: JP#18 MID.TAB

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

SAMPLE NO.: JP#18 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.82
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.67

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	1.38	1.38	98.62
7	-1.50	2.800	4.58	4.59	95.41
10	-1.00	2.000	10.06	10.08	89.92
14	-0.50	1.400	20.20	20.24	79.76
18	0.00	1.000	30.33	30.38	69.62
25	0.50	0.710	39.83	39.90	60.10
35	1.00	0.500	46.33	46.41	53.59
45	1.50	0.355	49.89	49.98	50.02
60	2.00	0.250	53.42	53.52	46.48
80	2.50	0.180	59.34	59.45	40.55
120	3.00	0.125	78.54	78.68	21.32
170	3.50	0.090	93.74	93.91	6.09
200	3.75	0.075	95.41	95.58	4.42
230	4.00	0.063	97.68	97.85	2.15
PAN			99.81	99.99	0.01

PHI(5): -1.46 PHI(16): -0.71 PHI(25): -0.27
PHI(50): 1.50 PHI(75): 2.90 PHI(84): 3.17
PHI(95): 3.66

SIEVE LOSS(g): 0.01
SKEWNESS: -0.207

SILT/CLAY: 4.42%
KURTOSIS: 0.663

GRAPHIC METHOD

MEAN (PHI): 1.23

MEAN (mm): 0.43

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

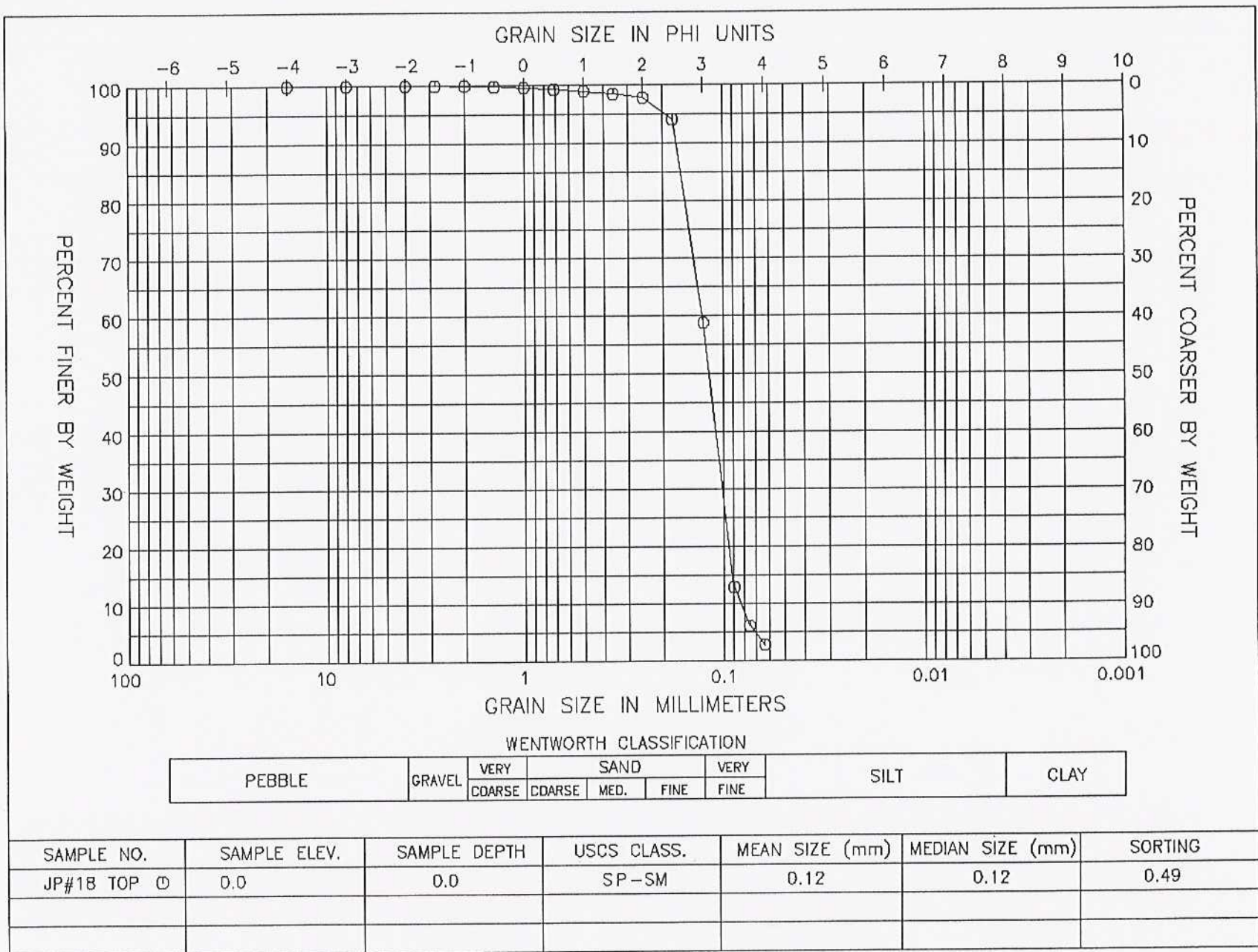
MEAN (PHI): 1.25

MEAN (mm): 0.42

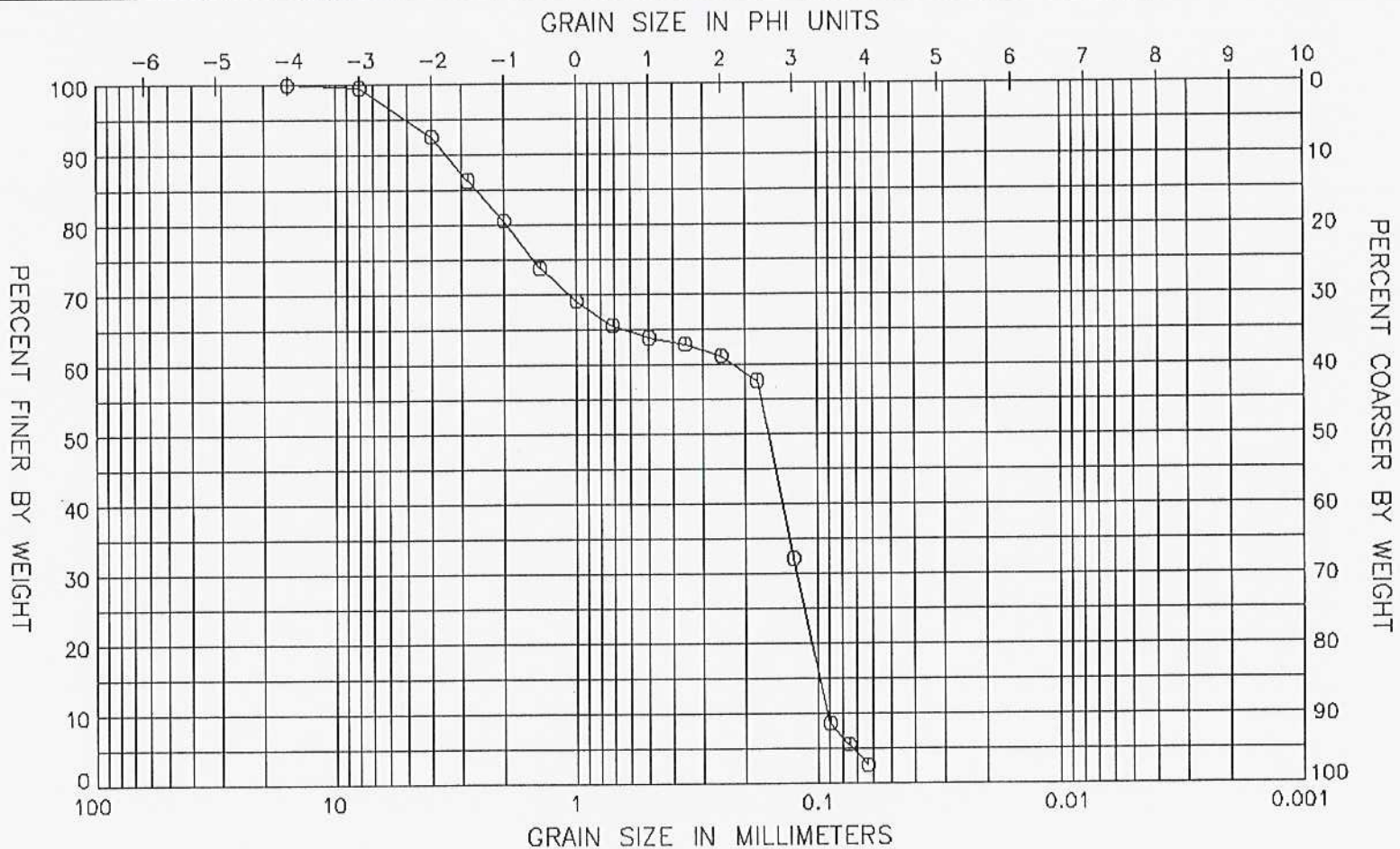
SORTING: 1.73

DATA FILE NAME: JP#18 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000

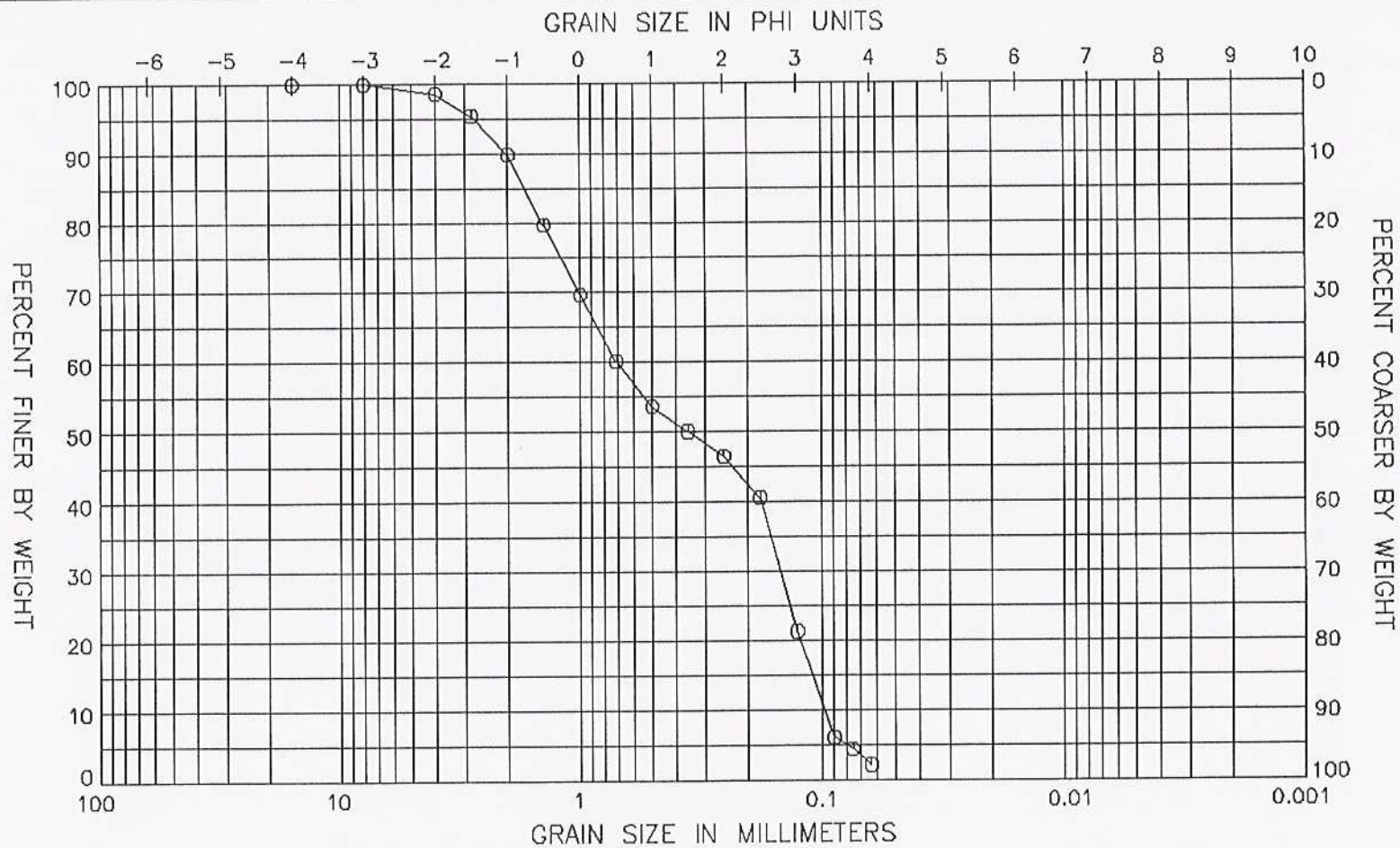


WENTWORTH CLASSIFICATION

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#18 MID 0	0.0	0.0	SP-SM	0.37	0.16	2.10

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#18 BOTT 0	0.0	0.0	SP	0.43	0.35	1.94