

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-13

COORDINATES:

N = 690357

E = 749839

DATE: 5/10/00

START TIME: 0936

END TIME: 0940

WATER DEPTH: 6.2'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 10.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-6.2	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		
		6		
WEATHER: WIND: DIR: E-SE SPEED: 5 KT.		7		
		8		
	-15.2	9		
WAVES: DIR: NE HIEGHT: 1-2 ft		10		
	-16.2	11		RUBBLE
	-17.2	12		
CURRENT: DIR: NA SPEED: 0-1KT		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
TURBIDITY: TOP (0' - 5'): MOD BOTTOM: (10' - 10'): MOD		22		
		23		
DRAWN BY: TT COMM.NO: 8410.02		24		
				SAND SAMPLES SURFACE: 0.15mm, 2.4% silt MID: 0.21mm, 2.0% silt BOTTOM: 0.22mm, 2.3 silt

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

SAMPLE NO.: JP#13 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.88

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	0.06	0.06	99.94
10	-1.00	2.000	0.12	0.12	99.88
14	-0.50	1.400	0.40	0.40	99.60
18	0.00	1.000	0.73	0.73	99.27
25	0.50	0.710	1.44	1.44	98.56
35	1.00	0.500	2.40	2.40	97.60
45	1.50	0.355	3.53	3.53	96.47
60	2.00	0.250	6.62	6.62	93.38
80	2.50	0.180	15.45	15.45	84.55
120	3.00	0.125	74.86	74.85	25.15
170	3.50	0.090	96.54	96.53	3.47
200	3.75	0.075	97.65	97.64	2.36
230	4.00	0.063	98.92	98.91	1.09
PAN			100.00	99.99	0.01

PHI(5): 1.74 PHI(16): 2.50 PHI(25): 2.58
PHI(50): 2.79 PHI(75): 3.00 PHI(84): 3.21
PHI(95): 3.46

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.36%
SKEWNESS: -0.537 KURTOSIS: 1.673

GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.35
MEAN (mm): 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.73 SORTING: 0.57
MEAN (mm): 0.15

DATA FILE NAME: JP#13 TOP.TAB

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

SAMPLE NO.: JP#13 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.02
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.05

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	0.84	0.84	99.16
7	-1.50	2.800	1.71	1.71	98.29
10	-1.00	2.000	2.76	2.76	97.24
14	-0.50	1.400	4.38	4.38	95.62
18	0.00	1.000	6.34	6.34	93.66
25	0.50	0.710	8.46	8.46	91.54
35	1.00	0.500	10.59	10.59	89.41
45	1.50	0.355	12.89	12.89	87.11
60	2.00	0.250	18.53	18.53	81.47
80	2.50	0.180	40.07	40.06	59.94
120	3.00	0.125	87.10	87.08	12.92
170	3.50	0.090	97.66	97.64	2.36
200	3.75	0.075	97.99	97.97	2.03
230	4.00	0.063	99.02	99.01	0.99
PAN			100.02	100.00	0.00

PHI(5): -0.34 PHI(16): 1.78 PHI(25): 2.15
PHI(50): 2.61 PHI(75): 2.87 PHI(84): 2.97
PHI(95): 3.37

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.03%
SKEWNESS: -1.828 KURTOSIS: 2.112

GRAPHIC METHOD

MEAN (PHI): 2.08 SORTING: 0.60
MEAN (mm): 0.24 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.28 SORTING: 1.08
MEAN (mm): 0.21

DATA FILE NAME: JP#13 MID.TAB

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

SAMPLE NO.: JP#13 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.75

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	0.56	0.56	99.44
7	-1.50	2.800	1.32	1.32	98.68
10	-1.00	2.000	2.91	2.91	97.09
14	-0.50	1.400	5.22	5.22	94.78
18	0.00	1.000	7.41	7.41	92.59
25	0.50	0.710	10.16	10.16	89.84
35	1.00	0.500	13.04	13.04	86.96
45	1.50	0.355	15.98	15.98	84.02
60	2.00	0.250	23.49	23.49	76.51
80	2.50	0.180	42.91	42.91	57.09
120	3.00	0.125	91.47	91.46	8.54
170	3.50	0.090	92.72	92.71	7.29
200	3.75	0.075	97.69	97.68	2.32
230	4.00	0.063	98.85	98.84	1.16
PAN			100.00	99.99	0.01

PHI(5): -0.55 PHI(16): 1.50 PHI(25): 2.04
PHI(50): 2.57 PHI(75): 2.83 PHI(84): 2.92
PHI(95): 3.62

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.32%
SKEWNESS: -1.462 KURTOSIS: 2.155

GRAPHIC METHOD

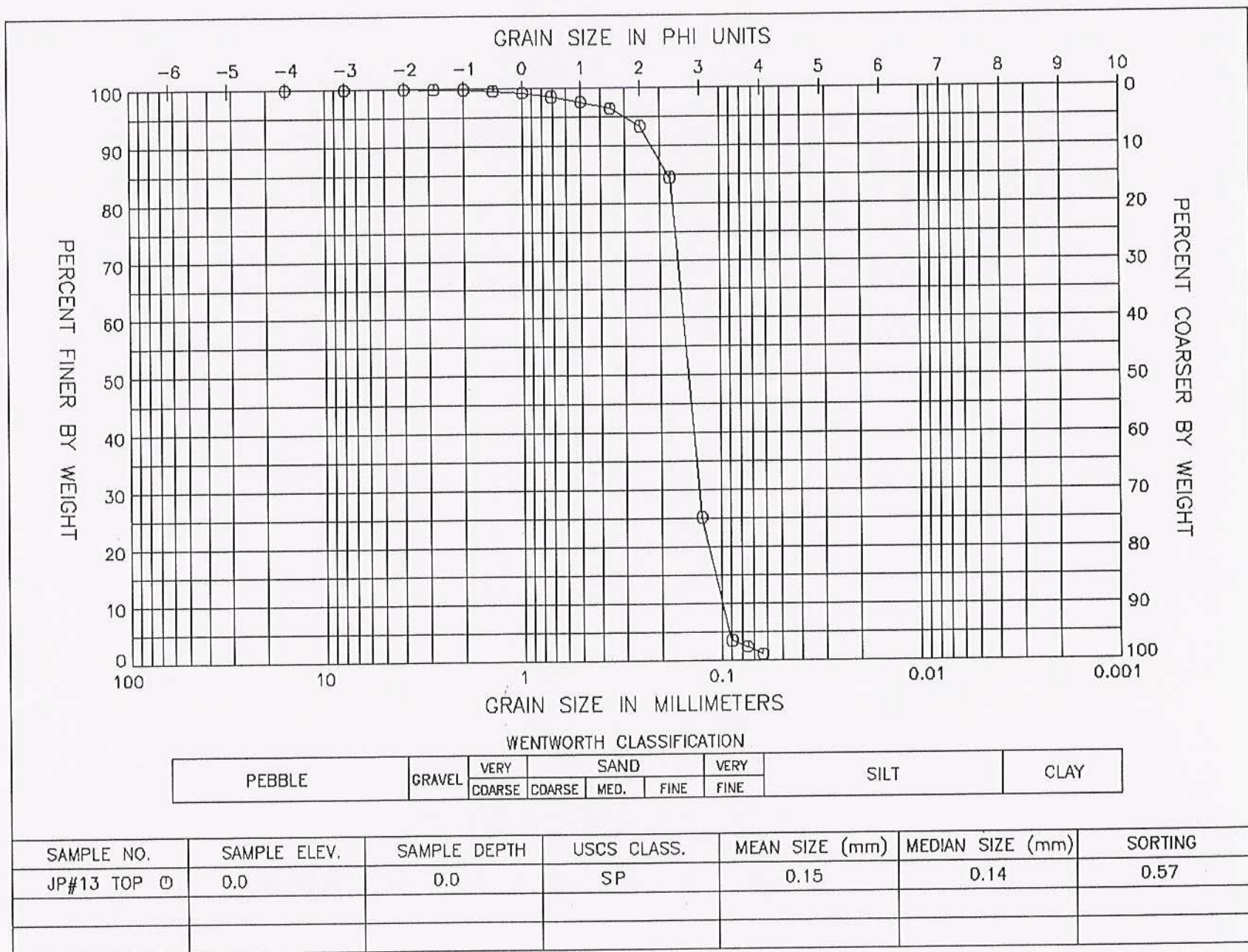
MEAN (PHI): 2.01 SORTING: 0.71
MEAN (mm): 0.25 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

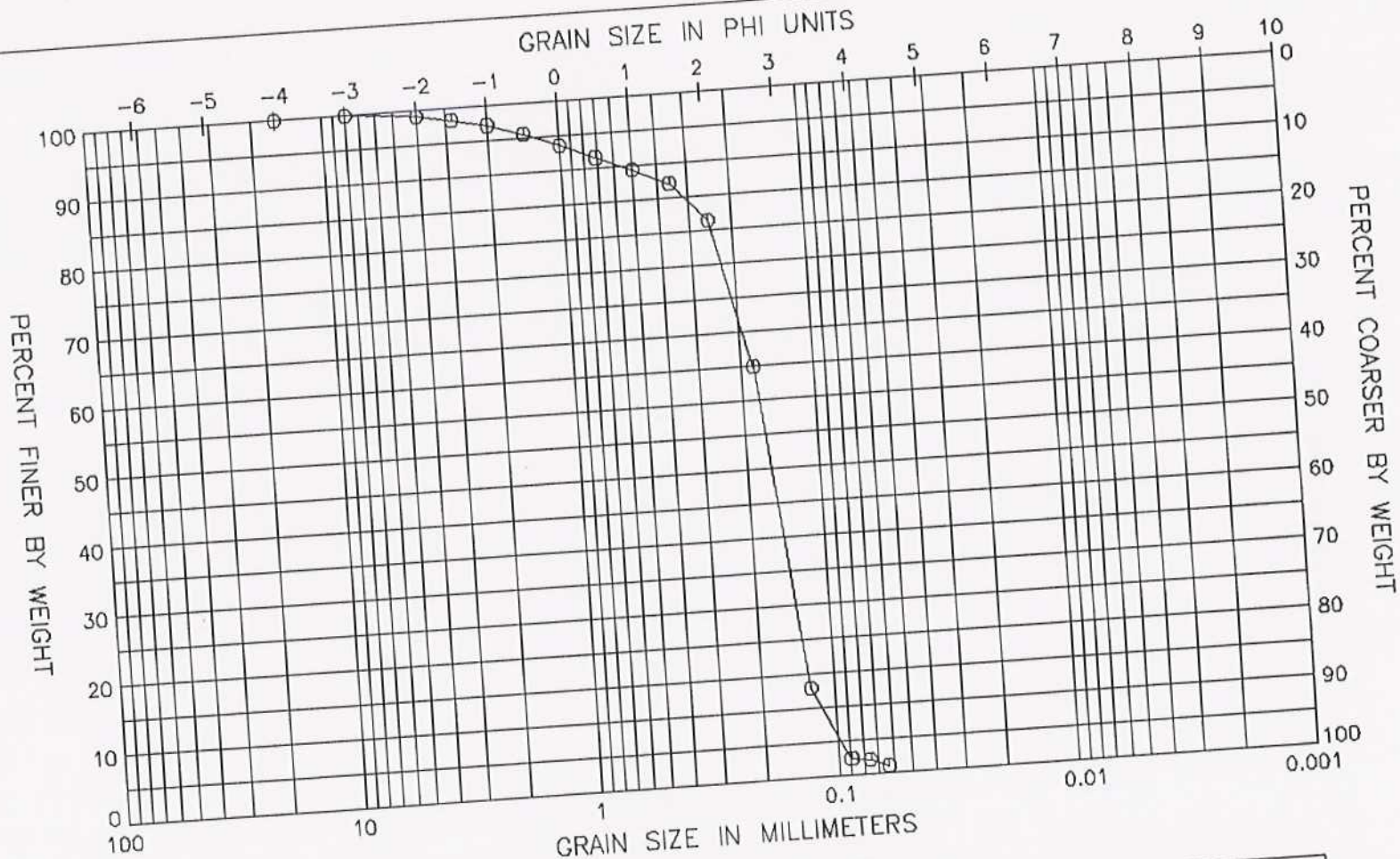
MEAN (PHI): 2.19 SORTING: 1.13
MEAN (mm): 0.22

DATA FILE NAME: JP#13 BOTT.TAB

GRAIN SIZE DISTRIBUTION CURVE
ESTERO JET PROBES 2000



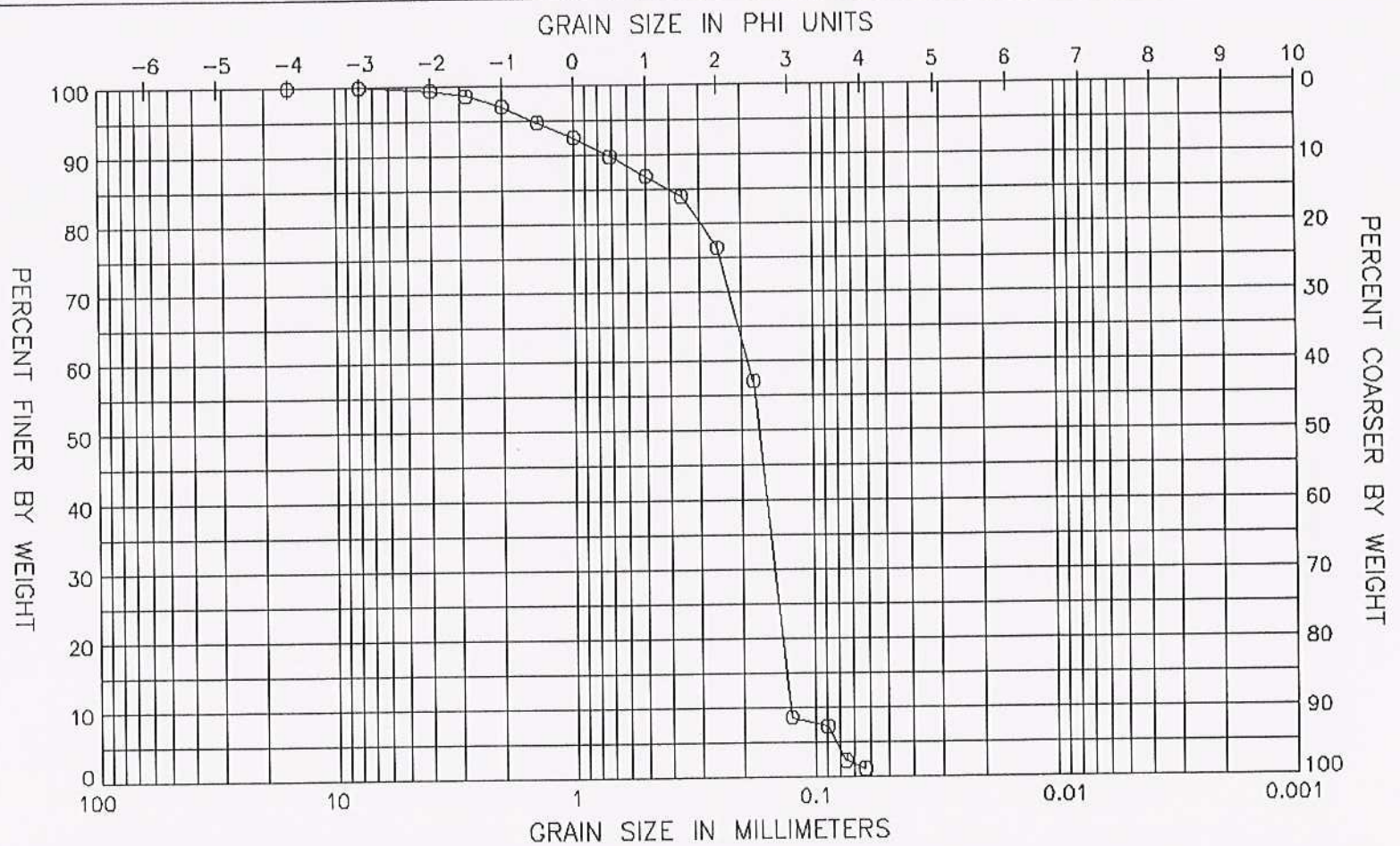
GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
JP#13 MID \odot	0.0	0.0	SP	0.21	0.16	1.08

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#13 BOTT ①	0.0	0.0	SP	0.22	0.17	1.13