

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-8

COORDINATES:

N = 664480

E = 764522

DATE: 5/10/00

START TIME: 1143

END TIME: 1149

WATER DEPTH: 10'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 11.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-10	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
WEATHER: WIND: DIR: S-SE SPEED: 5-10 KT WAVES: DIR: NE HIEGHT: 1-2 ft	-21	11		
CURRENT: DIR: NA SPEED: 1-2 KT	-22	12		ROCK
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
TURBIDITY: TOP (0' - 6'): MOD BOTTOM: (6' - 11'): HIGH		22		
		23		
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		24		

SAND SAMPLES
 SURFACE: 0.11mm, 11.2% silt

 MID: 0.12mm, 6.9% silt

 BOTTOM: 0.22mm, 5.5% silt

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

SAMPLE NO.: JP#8 TOP
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.09
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.49

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	0.00	0.00	100.00
14	-0.50	1.400	0.00	0.00	100.00
18	0.00	1.000	0.05	0.05	99.95
25	0.50	0.710	0.10	0.10	99.90
35	1.00	0.500	0.20	0.20	99.80
45	1.50	0.355	0.30	0.30	99.70
60	2.00	0.250	0.46	0.46	99.54
80	2.50	0.180	0.82	0.82	99.18
120	3.00	0.125	19.48	19.46	80.54
170	3.50	0.090	79.76	79.69	20.31
200	3.75	0.075	88.85	88.77	11.23
230	4.00	0.063	95.03	94.94	5.06
PAN			100.07	99.98	0.02

PHI(5): 2.61	PHI(16): 2.91	PHI(25): 3.05
PHI(50): 3.25	PHI(75): 3.46	PHI(84): 3.62
PHI(95): 4.00		

SIEVE LOSS(g): 0.02	SILT/CLAY: 11.23%
SKEWNESS: 0.151	KURTOSIS: 1.372

GRAPHIC METHOD

MEAN (PHI): 3.28	SORTING: 0.36
MEAN (mm): 0.10	MEDIAN (mm): 0.10
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

MEAN (PHI): 3.21	SORTING: 0.34
MEAN (mm): 0.11	

DATA FILE NAME: JP#8 TOP.TAB

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

SAMPLE NO.: JP#8 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 100.05
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.28

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	0.45	0.45	99.55
7	-1.50	2.800	0.76	0.76	99.24
10	-1.00	2.000	0.90	0.90	99.10
14	-0.50	1.400	1.30	1.30	98.70
18	0.00	1.000	1.69	1.69	98.31
25	0.50	0.710	2.32	2.32	97.68
35	1.00	0.500	2.79	2.79	97.21
45	1.50	0.355	3.12	3.12	96.88
60	2.00	0.250	3.53	3.53	96.47
80	2.50	0.180	4.10	4.10	95.90
120	3.00	0.125	37.47	37.45	62.55
170	3.50	0.090	85.42	85.38	14.62
200	3.75	0.075	93.18	93.13	6.87
230	4.00	0.063	97.02	96.97	3.03
PAN			100.03	99.98	0.02

PHI(5): 2.51 PHI(16): 2.68 PHI(25): 2.81
PHI(50): 3.13 PHI(75): 3.39 PHI(84): 3.49
PHI(95): 3.87

SIEVE LOSS(g): 0.02 SILT/CLAY: 6.87%
SKEWNESS: 0.153 KURTOSIS: 0.962

GRAPHIC METHOD

MEAN (PHI): 3.14 SORTING: 0.40
MEAN (mm): 0.11 MEDIAN (mm): 0.11
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.00 SORTING: 0.74
MEAN (mm): 0.12

DATA FILE NAME: JP#8 MID.TAB

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

SAMPLE NO.: JP#8 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 99.81
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	0.00	0.00	100.00
5	-2.00	4.000	1.20	1.20	98.80
7	-1.50	2.800	4.49	4.50	95.50
10	-1.00	2.000	7.20	7.21	92.79
14	-0.50	1.400	10.43	10.45	89.55
18	0.00	1.000	13.17	13.20	86.80
25	0.50	0.710	15.92	15.95	84.05
35	1.00	0.500	19.05	19.09	80.91
45	1.50	0.355	22.59	22.63	77.37
60	2.00	0.250	27.92	27.97	72.03
80	2.50	0.180	32.04	32.10	67.90
120	3.00	0.125	54.89	54.99	45.01
170	3.50	0.090	90.31	90.48	9.52
200	3.75	0.075	94.28	94.46	5.54
230	4.00	0.063	97.28	97.47	2.53
PAN			99.79	99.98	0.02

PHI(5): -1.41 PHI(16): 0.51 PHI(25): 1.72
PHI(50): 2.89 PHI(75): 3.28 PHI(84): 3.41
PHI(95): 3.79

SIEVE LOSS(g): 0.02 SILT/CLAY: 5.54%
SKEWNESS: -1.170 KURTOSIS: 1.367

GRAPHIC METHOD

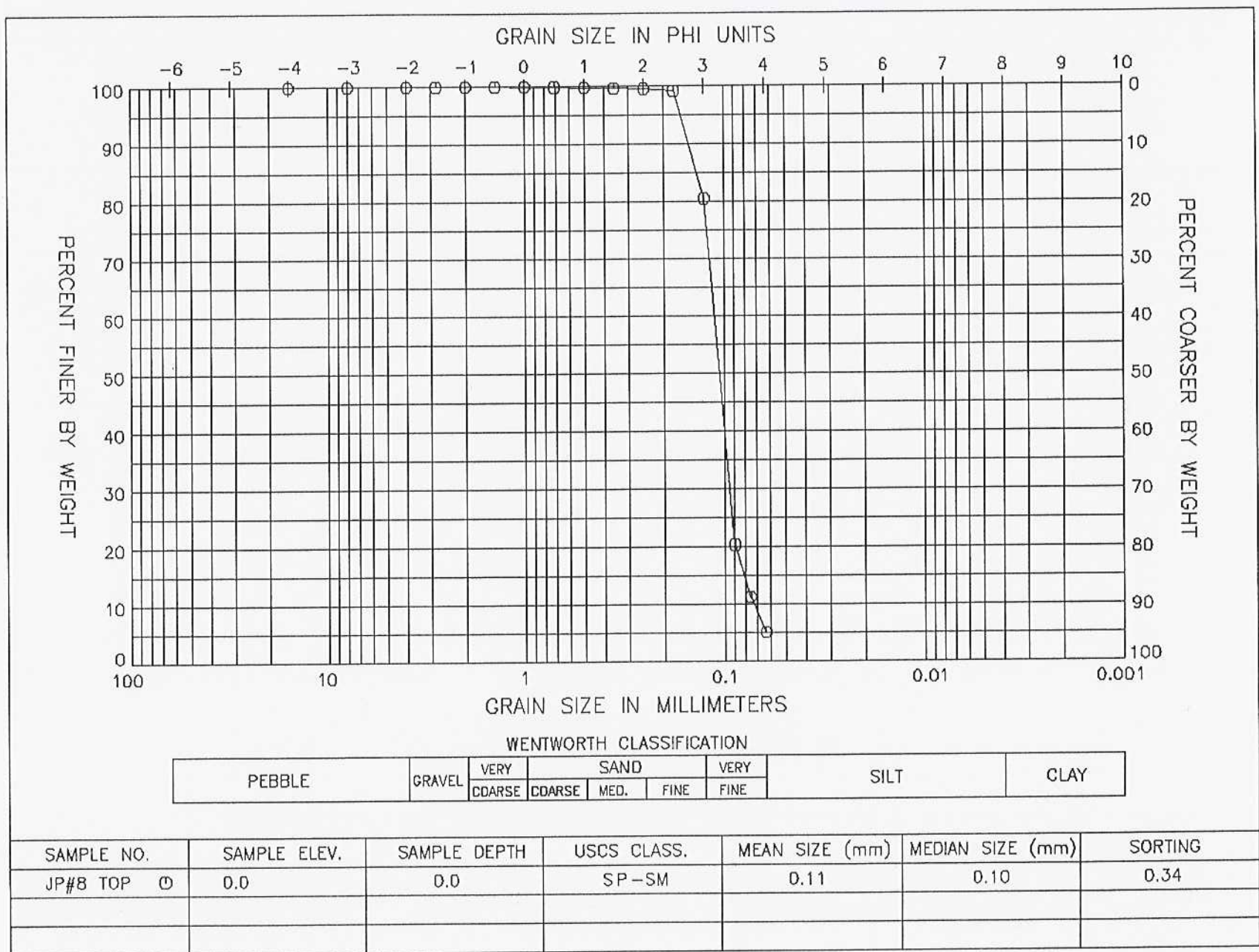
MEAN (PHI): 1.84 SORTING: 1.45
MEAN (mm): 0.28 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

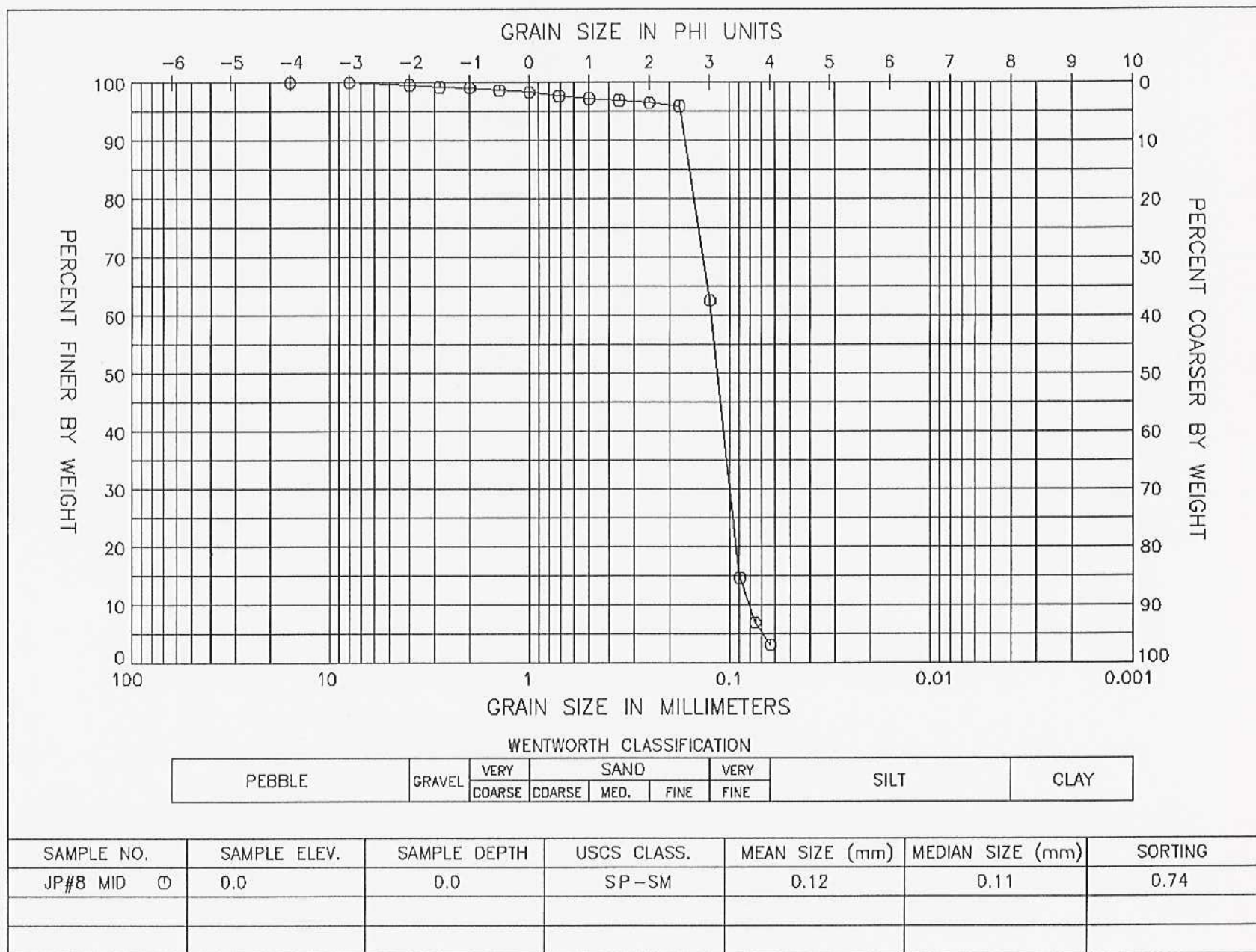
MEAN (PHI): 2.21 SORTING: 1.57
MEAN (mm): 0.22

DATA FILE NAME: JP#8 BOTT.TAB

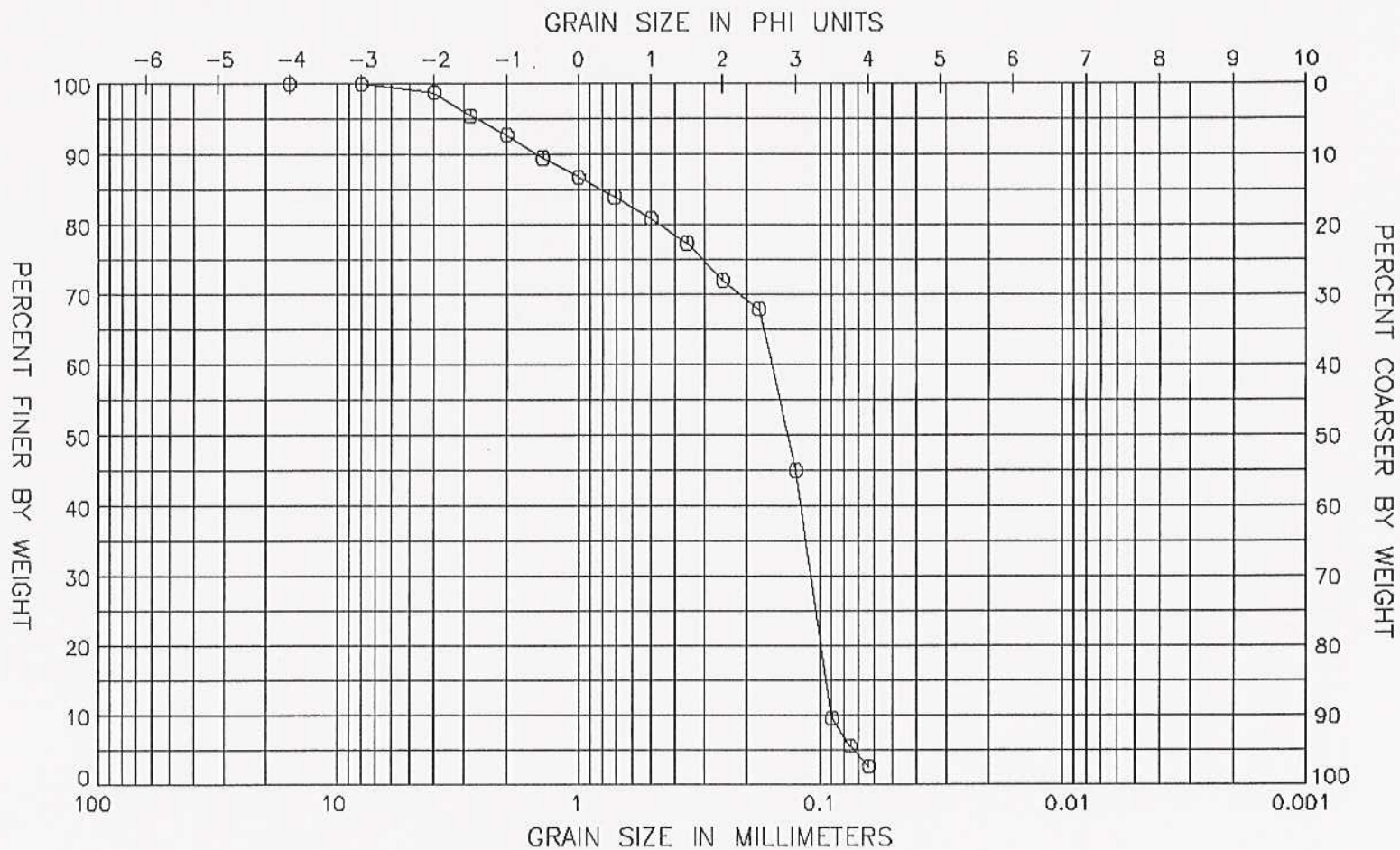
GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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WENTWORTH CLASSIFICATION

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

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
JP#8 BOTT O	0.0	0.0	SP-SM	0.22	0.13	1.57