

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-14

COORDINATES:

N = 688955

E = 748178

DATE: 5/10/00

START TIME: 0917

END TIME: 0920

WATER DEPTH: 10.5'

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"	-11	0		SEA FLOOR
		1		
		2		SAND, fine grained, fine shell hash, gray
		3		
SUPPORT VESSEL: CPE II	-14.5	4		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		5		SAND, fine grained, larger shell hash and fragments, gray
NAVIGATION SYSTEM: "HYPACK"	-17	6		
WEATHER:	-18	7		ROCK
WIND:		8		
DIR: E-SE		9		
SPEED: 5 KT.		10		
WAVES:		11		
DIR: NE		12		
HIEGHT: 1-2 ft		13		
CURRENT:		14		
DIR: NA		15		
SPEED: 0-1KT		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY:		22		SURFACE: 0.13mm, 4.6% silt
TOP (0' - 3'): MOD		23		MID: 0.20mm, 4.7% silt
BOTTOM: (3 - 6'): MOD		24		BOTTOM: 0.33mm, 3.9% 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#14 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): 96.40

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	0.14	0.14	99.86
7	-1.50	2.800	0.29	0.29	99.71
10	-1.00	2.000	0.47	0.47	99.53
14	-0.50	1.400	0.75	0.75	99.25
18	0.00	1.000	1.17	1.17	98.83
25	0.50	0.710	1.91	1.91	98.09
35	1.00	0.500	2.66	2.66	97.34
45	1.50	0.355	3.36	3.36	96.64
60	2.00	0.250	4.57	4.57	95.43
80	2.50	0.180	7.65	7.65	92.35
120	3.00	0.125	43.18	43.18	56.82
170	3.50	0.090	88.40	88.39	11.61
200	3.75	0.075	95.40	95.39	4.61
230	4.00	0.063	97.54	97.53	2.47
PAN			100.00	99.99	0.01

PHI(5): 2.07 PHI(16): 2.62 PHI(25): 2.74
PHI(50): 3.08 PHI(75): 3.35 PHI(84): 3.45
PHI(95): 3.74

SIEVE LOSS(g): 0.01
SKEWNESS: -0.414

SILT/CLAY: 4.61%
KURTOSIS: 1.124

GRAPHIC METHOD
MEAN (PHI): 2.99
MEAN (mm): 0.13

SORTING: 0.42
MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.95
MEAN (mm): 0.13

SORTING: 0.67

DATA FILE NAME: JP#14 TOP.TAB

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

SAMPLE NO.: JP#14 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.97

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	0.26	0.26	99.74
5	-2.00	4.000	1.01	1.01	98.99
7	-1.50	2.800	1.88	1.88	98.12
10	-1.00	2.000	3.33	3.33	96.67
14	-0.50	1.400	4.62	4.62	95.38
18	0.00	1.000	5.85	5.86	94.14
25	0.50	0.710	7.08	7.09	92.91
35	1.00	0.500	8.23	8.24	91.76
45	1.50	0.355	9.17	9.18	90.82
60	2.00	0.250	14.47	14.48	85.52
80	2.50	0.180	51.28	51.33	48.67
120	3.00	0.125	79.41	79.48	20.52
170	3.50	0.090	89.46	89.54	10.46
200	3.75	0.075	95.24	95.33	4.67
230	4.00	0.063	97.84	97.93	2.07
PAN			99.90	99.99	0.01

PHI(5): -0.35 PHI(16): 2.02 PHI(25): 2.14
PHI(50): 2.48 PHI(75): 2.92 PHI(84): 3.22
PHI(95): 3.74

SIEVE LOSS(g): 0.01
SKEWNESS: -1.308

SILT/CLAY: 4.67%
KURTOSIS: 2.152

GRAPHIC METHOD

MEAN (PHI): 2.22

MEAN (mm): 0.21

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.33

MEAN (mm): 0.20

SORTING: 1.11

DATA FILE NAME: JP#14 MID.TAB

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

SAMPLE NO.: JP#14 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.99
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.61

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	0.98	0.98	99.02
5	-2.00	4.000	2.77	2.77	97.23
7	-1.50	2.800	7.18	7.18	92.82
10	-1.00	2.000	13.28	13.28	86.72
14	-0.50	1.400	20.61	20.61	79.39
18	0.00	1.000	25.73	25.73	74.27
25	0.50	0.710	30.50	30.50	69.50
35	1.00	0.500	33.91	33.91	66.09
45	1.50	0.355	36.03	36.03	63.97
60	2.00	0.250	38.43	38.43	61.57
80	2.50	0.180	41.98	41.98	58.02
120	3.00	0.125	74.38	74.39	25.61
170	3.50	0.090	93.44	93.45	6.55
200	3.75	0.075	96.12	96.13	3.87
230	4.00	0.063	97.87	97.88	2.12
PAN			99.98	99.99	0.01

PHI(5): -1.75 PHI(16): -0.81 PHI(25): -0.07
PHI(50): 2.62 PHI(75): 3.02 PHI(84): 3.25
PHI(95): 3.64

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.87%
SKEWNESS: -0.824 KURTOSIS: 0.716

GRAPHIC METHOD

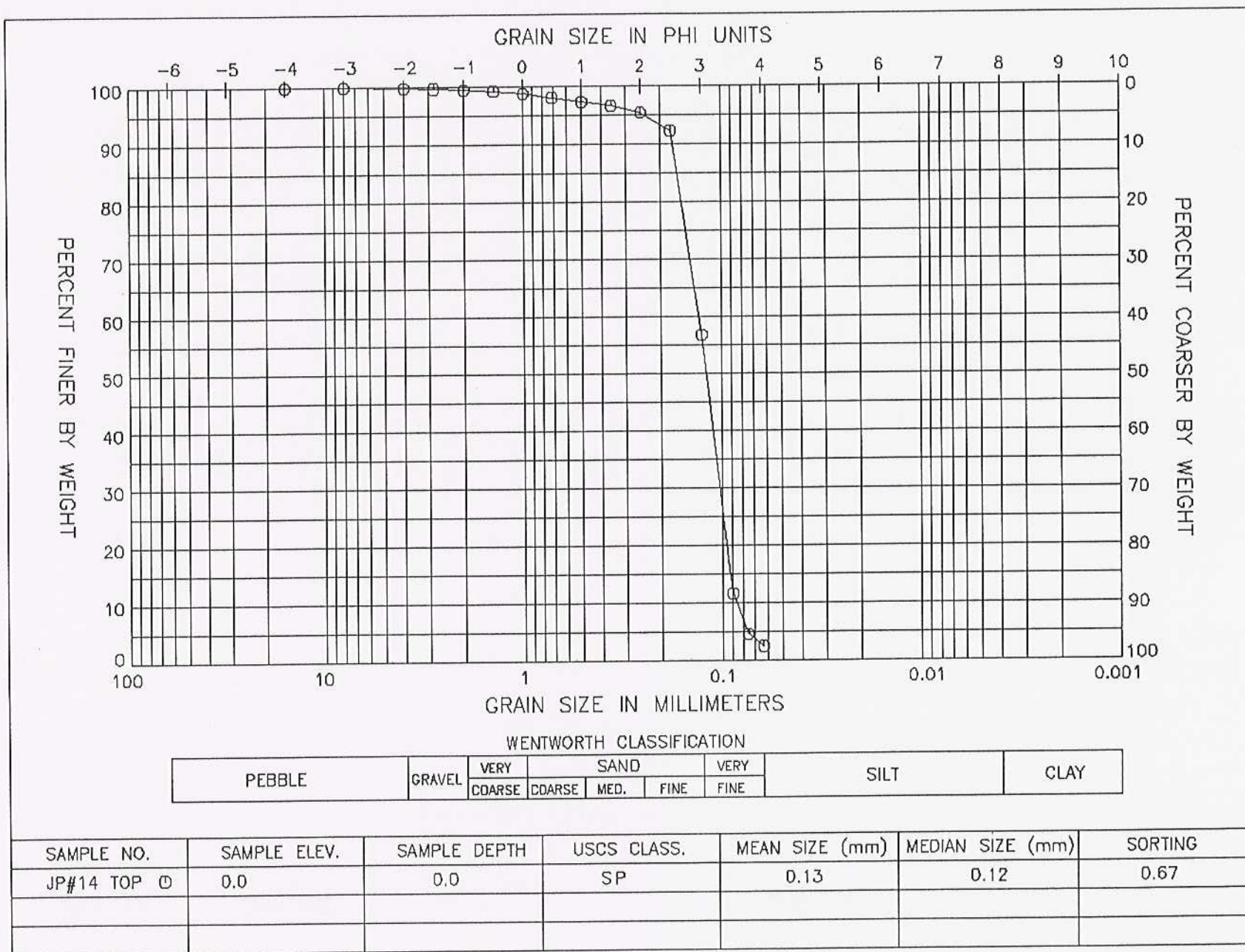
MEAN (PHI): 1.39 SORTING: 2.03
MEAN (mm): 0.38 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

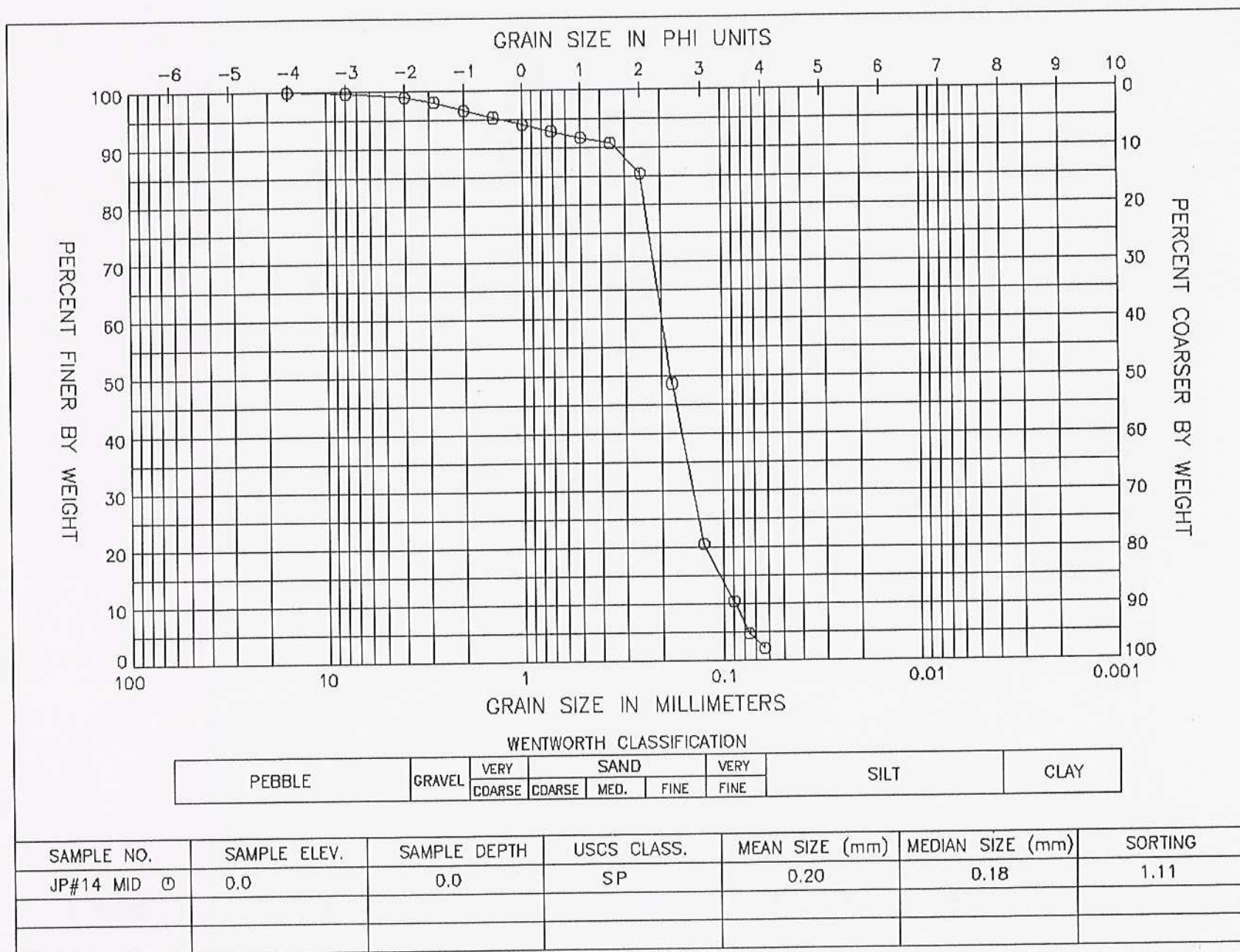
MEAN (PHI): 1.60 SORTING: 1.86
MEAN (mm): 0.33

DATA FILE NAME: JP#14 BOTT.TAB

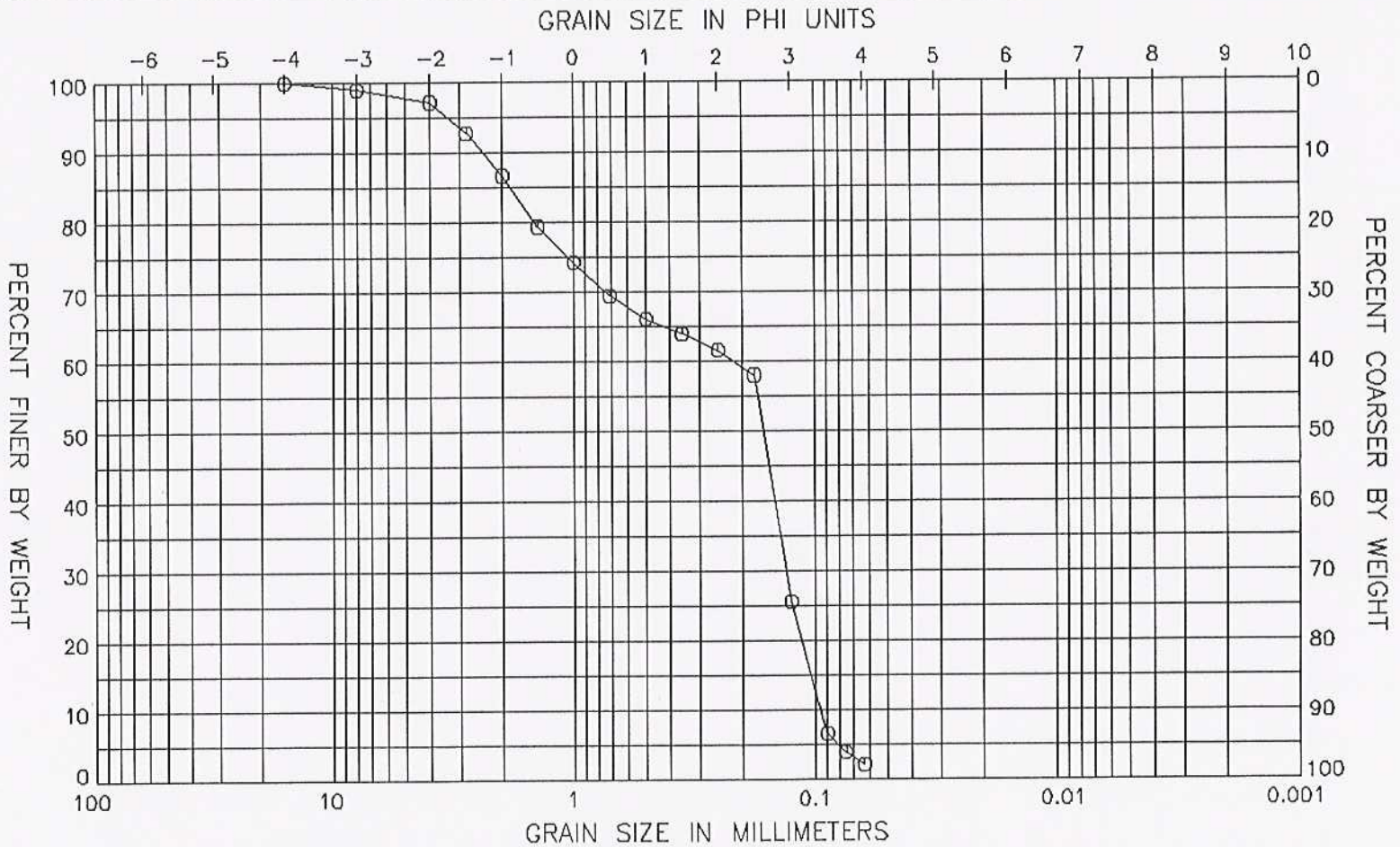
GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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WENTWORTH CLASSIFICATION

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

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
JP#14 BOTT 0	0.0	0.0	SP	0.33	0.16	1.86