

JET PROBE LOG

PROJECT: ESTERO JET PROBES

JET PROBE: EST-JP-2

COORDINATES:

N = 670994

E = 768532

DATE: 5/10/00

START TIME: 1058

END TIME: 1102

WATER DEPTH: 7.0'

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"	-7	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, shell hash, gray
		8		
		9		
		10		
		11		
		12		
		13		
	-21	14		
	-22	15		SHELL, hash and fragments
	-23	16		HOLE COLLAPSE
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 8'): MOD BOTTOM (8' - 15'): HIGH		22		SURFACE: 0.14mm, 3.7% Silt
		23		MID: 0.27mm, 3.1% Silt
DRAWN BY: TT CHECKED BY: COMM.NO: 8410.02		24		BOTTOM: 0.37mm, 3.7% Silt

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

SAMPLE NO.: JP#2 TOP
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): 96.99

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	0.05	0.05	99.95
7	-1.50	2.800	0.21	0.21	99.79
10	-1.00	2.000	0.46	0.46	99.54
14	-0.50	1.400	0.82	0.82	99.18
18	0.00	1.000	1.25	1.25	98.75
25	0.50	0.710	1.86	1.86	98.14
35	1.00	0.500	2.40	2.40	97.60
45	1.50	0.355	3.41	3.41	96.59
60	2.00	0.250	5.90	5.90	94.10
80	2.50	0.180	6.15	6.15	93.85
120	3.00	0.125	57.02	57.04	42.96
170	3.50	0.090	92.28	92.32	7.68
200	3.75	0.075	96.31	96.35	3.65
230	4.00	0.063	98.43	98.47	1.53
PAN			99.94	99.98	0.02

PHI(5): 1.82 PHI(16): 2.60 PHI(25): 2.69
PHI(50): 2.93 PHI(75): 3.25 PHI(84): 3.38
PHI(95): 3.67

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.65%
SKEWNESS: -0.479 KURTOSIS: 1.330

GRAPHIC METHOD

MEAN (PHI): 2.88 SORTING: 0.39
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.64
MEAN (mm): 0.14

DATA FILE NAME: JP#2 TOP.TAB

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

SAMPLE NO.: JP #2 MID
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.85
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.03

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	3.67	3.68	96.32
7	-1.50	2.800	8.15	8.16	91.84
10	-1.00	2.000	12.85	12.87	87.13
14	-0.50	1.400	18.18	18.21	81.79
18	0.00	1.000	21.75	21.78	78.22
25	0.50	0.710	24.40	24.44	75.56
35	1.00	0.500	26.91	26.95	73.05
45	1.50	0.355	30.76	30.81	69.19
60	2.00	0.250	37.77	37.83	62.17
80	2.50	0.180	39.28	39.34	60.66
120	3.00	0.125	70.50	70.61	29.39
170	3.50	0.090	94.94	95.08	4.92
200	3.75	0.075	96.74	96.89	3.11
230	4.00	0.063	98.35	98.50	1.50
PAN			99.84	99.99	0.01

PHI (5): -1.85 PHI (16): -0.71 PHI (25): 0.61
PHI (50): 2.67 PHI (75): 3.09 PHI (84): 3.27
PHI (95): 3.50

SIEVE LOSS (g): 0.01 SILT/CLAY: 3.11%
SKEWNESS: -0.928 KURTOSIS: 0.885

GRAPHIC METHOD

MEAN (PHI): 1.38 SORTING: 1.99
MEAN (mm): 0.39 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.76 SORTING: 1.81
MEAN (mm): 0.29

DATA FILE NAME: JP#2 MID.TAB

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

SAMPLE NO.: JP#2 BOTT
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 0.0
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.04
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.45

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	4.03	4.03	95.97
7	-1.50	2.800	8.08	8.08	91.92
10	-1.00	2.000	13.02	13.01	86.99
14	-0.50	1.400	18.71	18.70	81.30
18	0.00	1.000	23.30	23.29	76.71
25	0.50	0.710	26.93	26.92	73.08
35	1.00	0.500	31.28	31.27	68.73
45	1.50	0.355	38.67	38.65	61.35
60	2.00	0.250	49.16	49.14	50.86
80	2.50	0.180	56.52	56.50	43.50
120	3.00	0.125	87.70	87.66	12.34
170	3.50	0.090	95.66	95.62	4.38
200	3.75	0.075	96.39	96.35	3.65
230	4.00	0.063	98.24	98.20	1.80
PAN			100.04	100.00	0.00

PHI(5): -1.88 PHI(16): -0.74 PHI(25): 0.24
PHI(50): 2.06 PHI(75): 2.80 PHI(84): 2.94
PHI(95): 3.46

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.65%
SKEWNESS: -0.689 KURTOSIS: 0.855

GRAPHIC METHOD

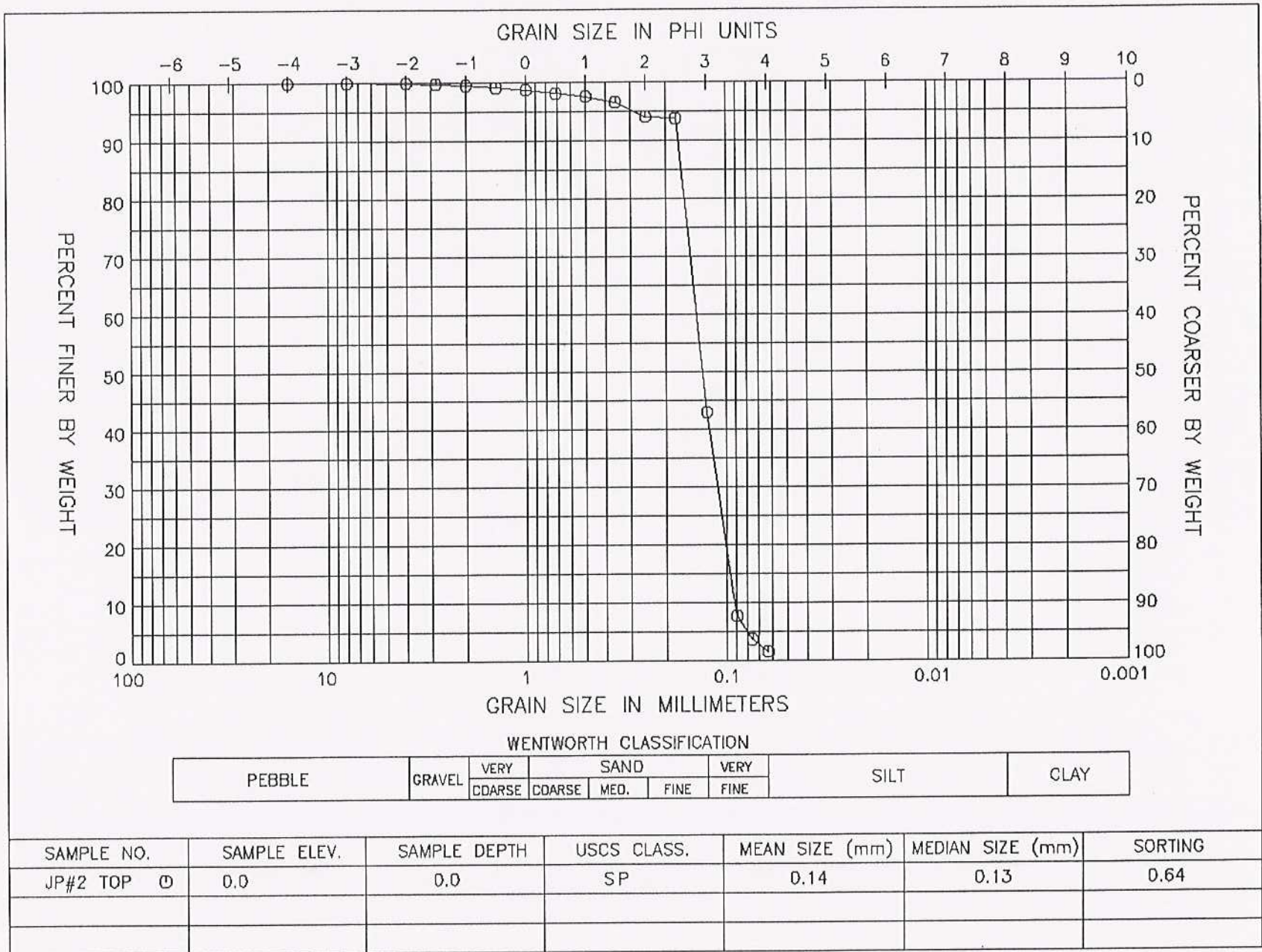
MEAN (PHI): 1.17 SORTING: 1.84
MEAN (mm): 0.44 MEDIAN (mm): 0.24
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

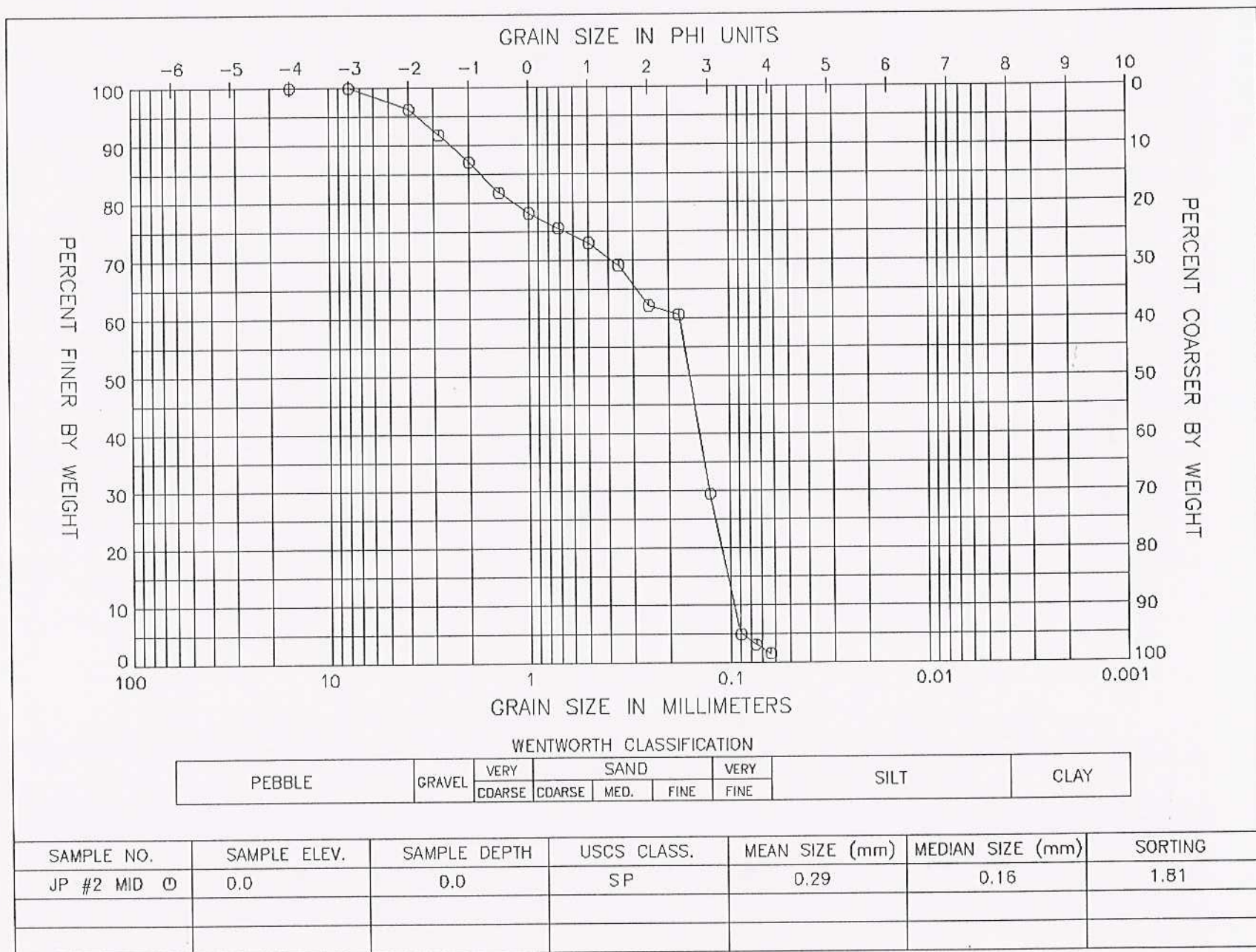
MEAN (PHI): 1.44 SORTING: 1.71
MEAN (mm): 0.37

DATA FILE NAME: JP#2 BOTT.TAB

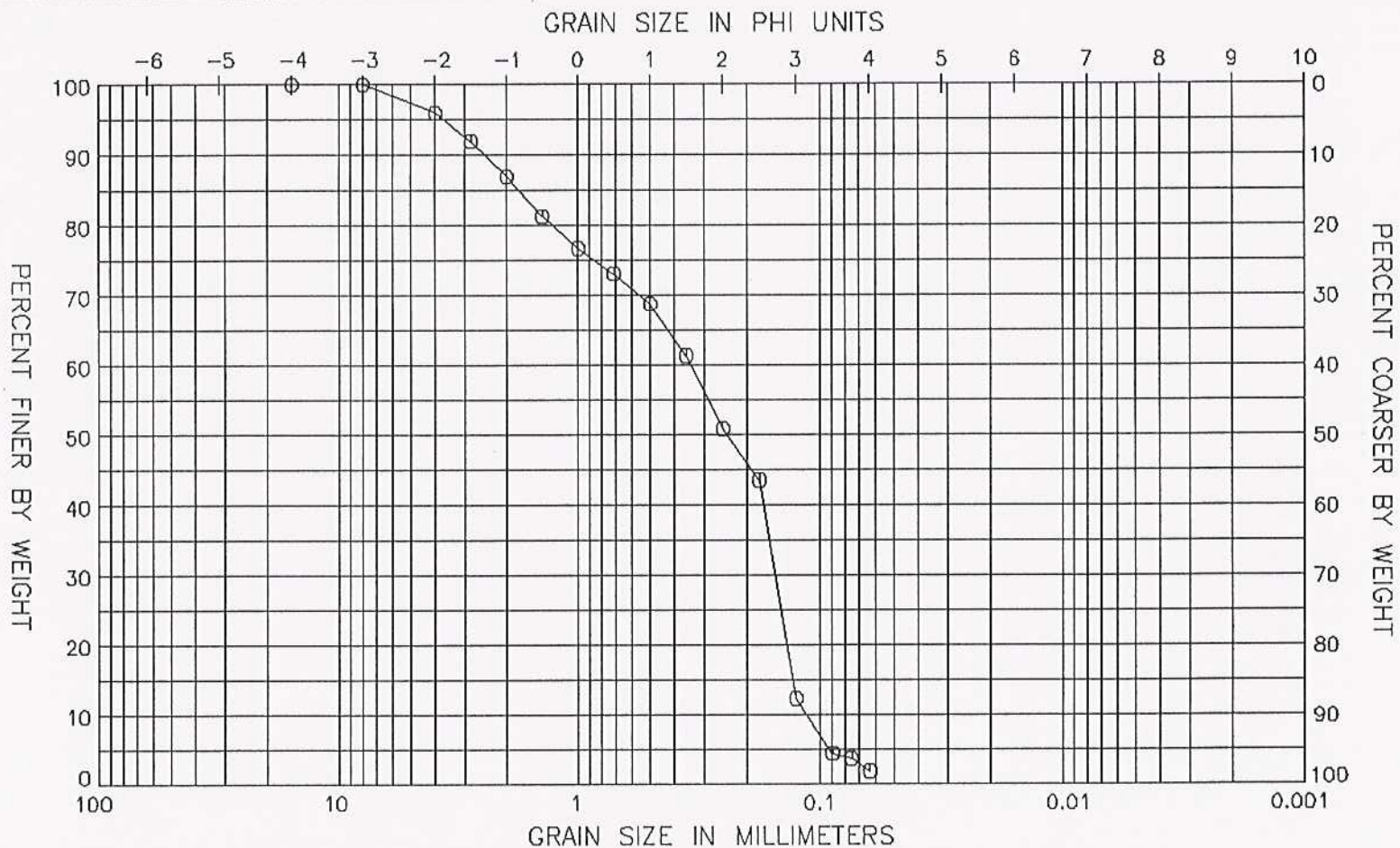
GRAIN SIZE DISTRIBUTION CURVE ESTERO JET PROBES 2000



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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#2 BOTT ①	0.0	0.0	SP	0.37	0.24	1.71