

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-17

COORDINATES:

N = 541894.22

E = 790921.36

DATE: 5/11/00

START TIME: 1512

END TIME: 1517

WATER DEPTH: -39.9'

TOP DIVER: CK

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 13.5' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-38.5	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		SAND, fine grained, trace shell hash, trace silt, gray (5Y-6/1).
		5		
		6		
WEATHER: WIND: DIR: VARIABLE SPEED: <5 KT WAVES: DIR: VARIABLE HEIGHT: <1 CURRENT: DIR: NONE SPEED: NONE	-45.5	7		
		8		
		9		
		10		SILTY SAND, gray (5Y-6/1).
		11		
		12		
	-52	13		
	-53	14		ROCK
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 7'): LOW BOTTOM (7' - 13.5'): HIGH		22		TOP: 0.38 mm; 1.6% silt
		23		MID: 0.36 mm; 1.6% silt
DRAWN BY: TT CHECKED BY: SK COMM NO: 8410.02		24		BOTTOM: 0.30 mm; 1.6% silt

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

SAMPLE NO.: CIJP-00-17
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.95
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.17

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	0.25	0.25	99.75
7	-1.50	2.800	0.51	0.51	99.49
10	-1.00	2.000	1.12	1.12	98.88
14	-0.50	1.400	2.81	2.81	97.19
18	0.00	1.000	5.90	5.90	94.10
25	0.50	0.710	11.92	11.93	88.07
35	1.00	0.500	20.39	20.40	79.60
45	1.50	0.355	31.20	31.22	68.78
60	2.00	0.250	58.62	58.65	41.35
80	2.50	0.180	82.72	82.76	17.24
120	3.00	0.125	88.71	88.75	11.25
170	3.50	0.090	93.80	93.85	6.15
200	3.75	0.075	98.13	98.18	1.82
230	4.00	0.063	99.04	99.09	0.91
PAN			99.95	100.00	0.00

PHI (5): -0.15 PHI (16): 0.74 PHI (25): 1.21
PHI (50): 1.84 PHI (75): 2.34 PHI (84): 2.60
PHI (95): 3.57

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.82%
SKEWNESS: -0.142 KURTOSIS: 1.351

GRAPHIC METHOD

MEAN (PHI): 1.72 SORTING: 0.93
MEAN (mm) : 0.30 MEDIAN (mm): 0.28
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.74 SORTING: 1.02
MEAN (mm) : 0.30

DATA FILE NAME: CIJP-00-17 BOT.TAB

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

SAMPLE NO.: CIJP-00-17
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.43

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	0.19	0.19	99.81
7	-1.50	2.800	0.58	0.58	99.42
10	-1.00	2.000	1.33	1.33	98.67
14	-0.50	1.400	3.17	3.17	96.83
18	0.00	1.000	6.69	6.69	93.31
25	0.50	0.710	13.68	13.68	86.32
35	1.00	0.500	23.11	23.11	76.89
45	1.50	0.355	36.24	36.24	63.76
60	2.00	0.250	72.36	72.36	27.64
80	2.50	0.180	94.01	94.01	5.99
120	3.00	0.125	98.22	98.22	1.78
170	3.50	0.090	98.39	98.39	1.61
200	3.75	0.075	98.41	98.41	1.59
230	4.00	0.063	99.20	99.20	0.80
PAN			99.99	99.99	0.01

PHI (5): -0.24 PHI (16): 0.62 PHI (25): 1.07
PHI (50): 1.69 PHI (75): 2.06 PHI (84): 2.27
PHI (95): 2.62

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.59%
SKEWNESS: -0.610 KURTOSIS: 1.184

GRAPHIC METHOD

MEAN (PHI): 1.39 SORTING: 0.82
MEAN (mm) : 0.38 MEDIAN (mm): 0.31

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.49 SORTING: 0.88
MEAN (mm) : 0.36

DATA FILE NAME: CIJP-00-17 MID.TAB

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

SAMPLE NO.: CIJP-00-17
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.46

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	0.57	0.57	99.43
10	-1.00	2.000	1.25	1.25	98.75
14	-0.50	1.400	3.17	3.17	96.83
18	0.00	1.000	7.22	7.22	92.78
25	0.50	0.710	15.32	15.32	84.68
35	1.00	0.500	26.76	26.76	73.24
45	1.50	0.355	41.72	41.72	58.28
60	2.00	0.250	75.26	75.25	24.75
80	2.50	0.180	95.78	95.77	4.23
120	3.00	0.125	98.31	98.30	1.70
170	3.50	0.090	98.41	98.40	1.60
200	3.75	0.075	98.44	98.43	1.57
230	4.00	0.063	99.22	99.22	0.78
PAN			100.00	99.99	0.01

PHI (5): -0.27 PHI (16): 0.53 PHI (25): 0.92
PHI (50): 1.62 PHI (75): 2.00 PHI (84): 2.21
PHI (95): 2.48

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.57%
SKEWNESS: -0.618 KURTOSIS: 1.052

GRAPHIC METHOD

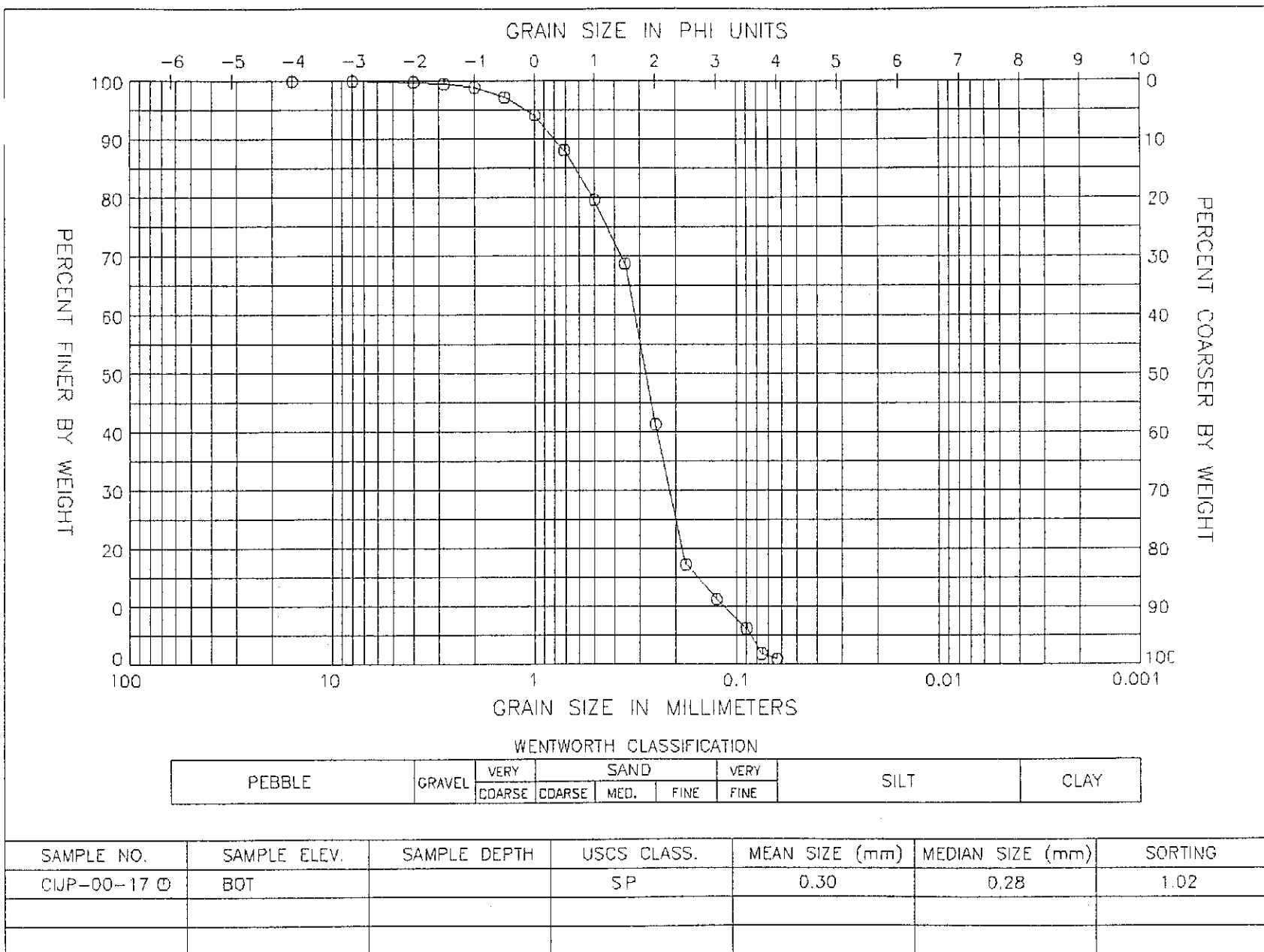
MEAN (PHI): 1.31 SORTING: 0.84
MEAN (mm) : 0.40 MEDIAN (mm): 0.32
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

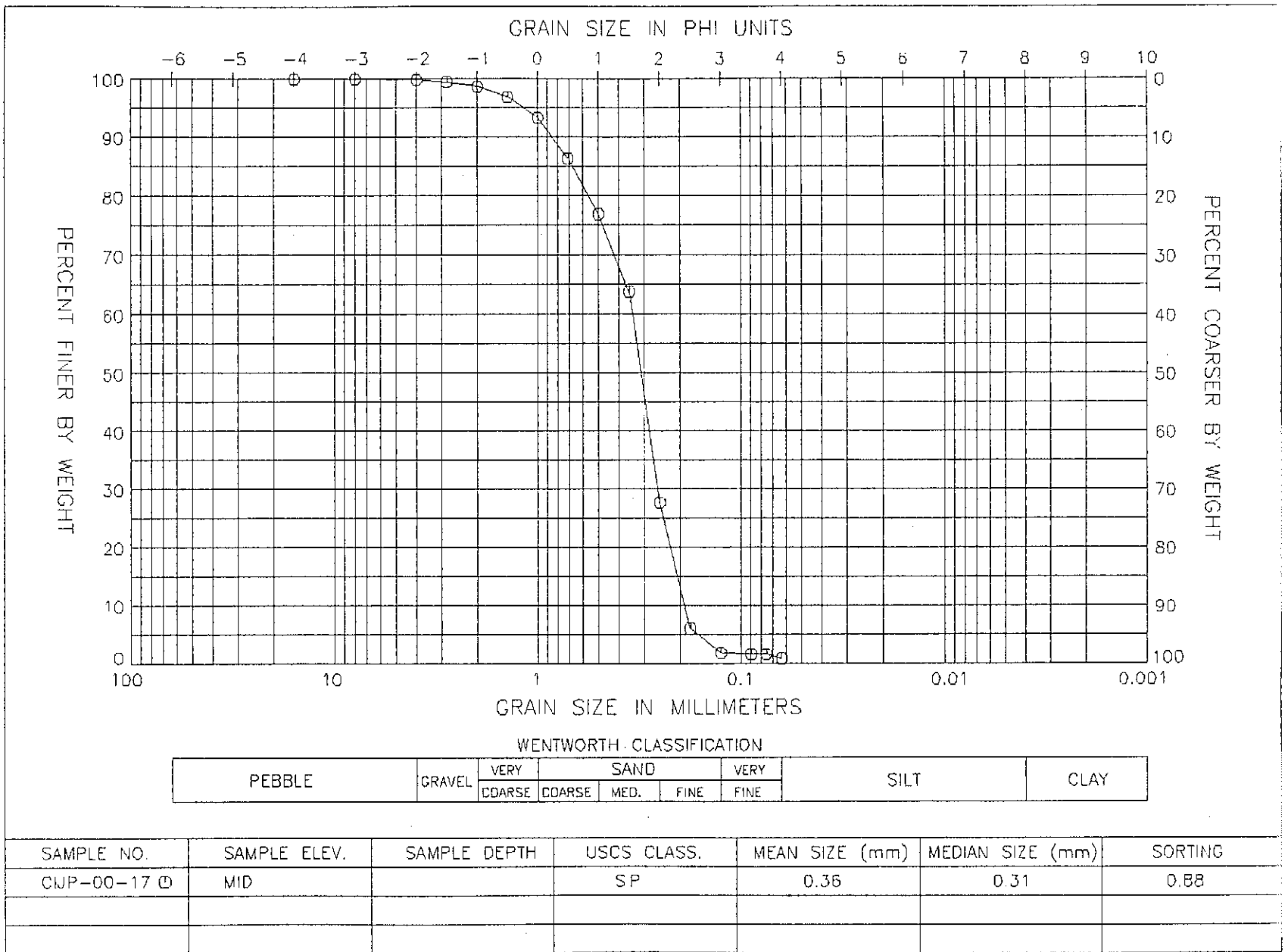
MEAN (PHI): 1.41 SORTING: 0.87
MEAN (mm) : 0.38

DATA FILE NAME: CIJP-00-17 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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