

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-05

COORDINATES:

N = 564073.38

E = 851004.01

DATE: 5/2/00

START TIME: 1318

END TIME: 1323

WATER DEPTH: 14.0'

TOP DIVER: CM

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 17.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR 8460 DIAMETER OF PIPE: 1.5"	-14	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		SAND, fine grained, some shell hash, trace silt, light gray (5Y-7/1).
		5		
		6		
WEATHER: WIND: DIR: SE SPEED: 8-10 KT.	-21.5	7		
		8		SAND, fine grained, little shell hash, light gray (5Y-7/1).
WAVES: DIR: NE HIEGHT: 1 ft	-23	9		
CURRENT: DIR: NONE SPEED: NONE		10		
		11		
		12		SAND, fine grained, little shell hash, little silt, light gray (5Y-7/1).
		13		
		14		
	-29	15		
		16		GRAVEL, with fine sand, light gray (5Y-7/1).
	-31	17		
	-31.5	17		ROCK
		18		
		19		
		20		
TURBIDITY: TOP (0' - 10'): LOW BOTTOM (10' - 20'): MOD		21		SAND SAMPLES TOP: 0.28 mm; 2.4% silt
		22		MID: 0.34 mm; 2.3% silt
DRAWN BY: TT CHECKED BY: SK COMM.NO: 8402.41		23		BOTTOM: 0.34 mm; 2.2% silt
		24		

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

SAMPLE NO.: CIJP-00-05
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 108.08
SAMPLE WEIGHT AFTER WASH (GRAMS): 105.99

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	0.96	0.89	99.11
7	-1.50	2.800	4.47	4.14	95.86
10	-1.00	2.000	7.25	6.71	93.29
14	-0.50	1.400	14.43	13.35	86.65
18	0.00	1.000	22.19	20.53	79.47
25	0.50	0.710	31.96	29.57	70.43
35	1.00	0.500	39.95	36.96	63.04
45	1.50	0.355	45.54	42.14	57.86
60	2.00	0.250	51.70	47.83	52.17
80	2.50	0.180	61.05	56.49	43.51
120	3.00	0.125	88.22	81.62	18.38
170	3.50	0.090	101.77	94.16	5.84
200	3.75	0.075	105.71	97.81	2.19
230	4.00	0.063	106.98	98.98	1.02
PAN			108.05	99.97	0.03

PHI (5): -1.33	PHI (16): -0.32	PHI (25): 0.25
PHI (50): 2.13	PHI (75): 2.87	PHI (84): 3.09
PHI (95): 3.56		

SIEVE LOSS(g): 0.03	SILT/CLAY: 2.19%
SKEWNESS: -0.594	KURTOSIS: 0.765

GRAPHIC METHOD

MEAN (PHI): 1.43	SORTING: 1.71
MEAN (mm): 0.37	MEDIAN (mm): 0.23

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.55	SORTING: 1.58
MEAN (mm): 0.34	

DATA FILE NAME: CIJP-00-05 BOT.TAB

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

SAMPLE NO.: CIJP-00-05
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): 97.93

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	0.91	0.91	99.09
7	-1.50	2.800	3.85	3.85	96.15
10	-1.00	2.000	8.73	8.73	91.27
14	-0.50	1.400	16.06	16.06	83.94
18	0.00	1.000	23.85	23.85	76.15
25	0.50	0.710	31.24	31.24	68.76
35	1.00	0.500	36.97	36.97	63.03
45	1.50	0.355	40.85	40.85	59.15
60	2.00	0.250	45.36	45.36	54.64
80	2.50	0.180	54.36	54.36	45.64
120	3.00	0.125	76.28	76.28	23.72
170	3.50	0.090	95.99	95.99	4.01
200	3.75	0.075	97.70	97.70	2.30
230	4.00	0.063	98.90	98.90	1.10
PAN			99.98	99.98	0.02

PHI (5): -1.38 PHI (16): -0.50 PHI (25): 0.08
PHI (50): 2.26 PHI (75): 2.97 PHI (84): 3.20
PHI (95): 3.47

SIEVE LOSS (g): 0.02 SILT/CLAY: 2.30%
SKEWNESS: -0.655 KURTOSIS: 0.688

GRAPHIC METHOD

MEAN (PHI): 1.41 SORTING: 1.85
MEAN (mm): 0.38 MEDIAN (mm): 0.21
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.55 SORTING: 1.66
MEAN (mm): 0.34

DATA FILE NAME: CIJP-00-05 MID.TAB

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

SAMPLE NO.: CIJP-00-05
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.67

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	2.71	2.71	97.29
7	-1.50	2.800	6.42	6.43	93.57
10	-1.00	2.000	11.84	11.85	88.15
14	-0.50	1.400	16.61	16.62	83.38
18	0.00	1.000	19.96	19.98	80.02
25	0.50	0.710	23.25	23.27	76.73
35	1.00	0.500	26.21	26.23	73.77
45	1.50	0.355	28.73	28.76	71.24
60	2.00	0.250	32.05	32.08	67.92
80	2.50	0.180	38.50	38.53	61.47
120	3.00	0.125	73.58	73.65	26.35
170	3.50	0.090	96.18	96.27	3.73
200	3.75	0.075	97.51	97.60	2.40
230	4.00	0.063	98.77	98.86	1.14
PAN			99.90	99.99	0.01

PHI (5): -1.69	PHI (16): -0.57	PHI (25): 0.79
PHI (50): 2.66	PHI (75): 3.03	PHI (84): 3.23
PHI (95): 3.47		

SIEVE LOSS (g): 0.01	SILT/CLAY: 2.40%
SKEWNESS: -0.935	KURTOSIS: 0.946

GRAPHIC METHOD

MEAN (PHI): 1.42	SORTING: 1.90
MEAN (mm): 0.37	MEDIAN (mm): 0.16

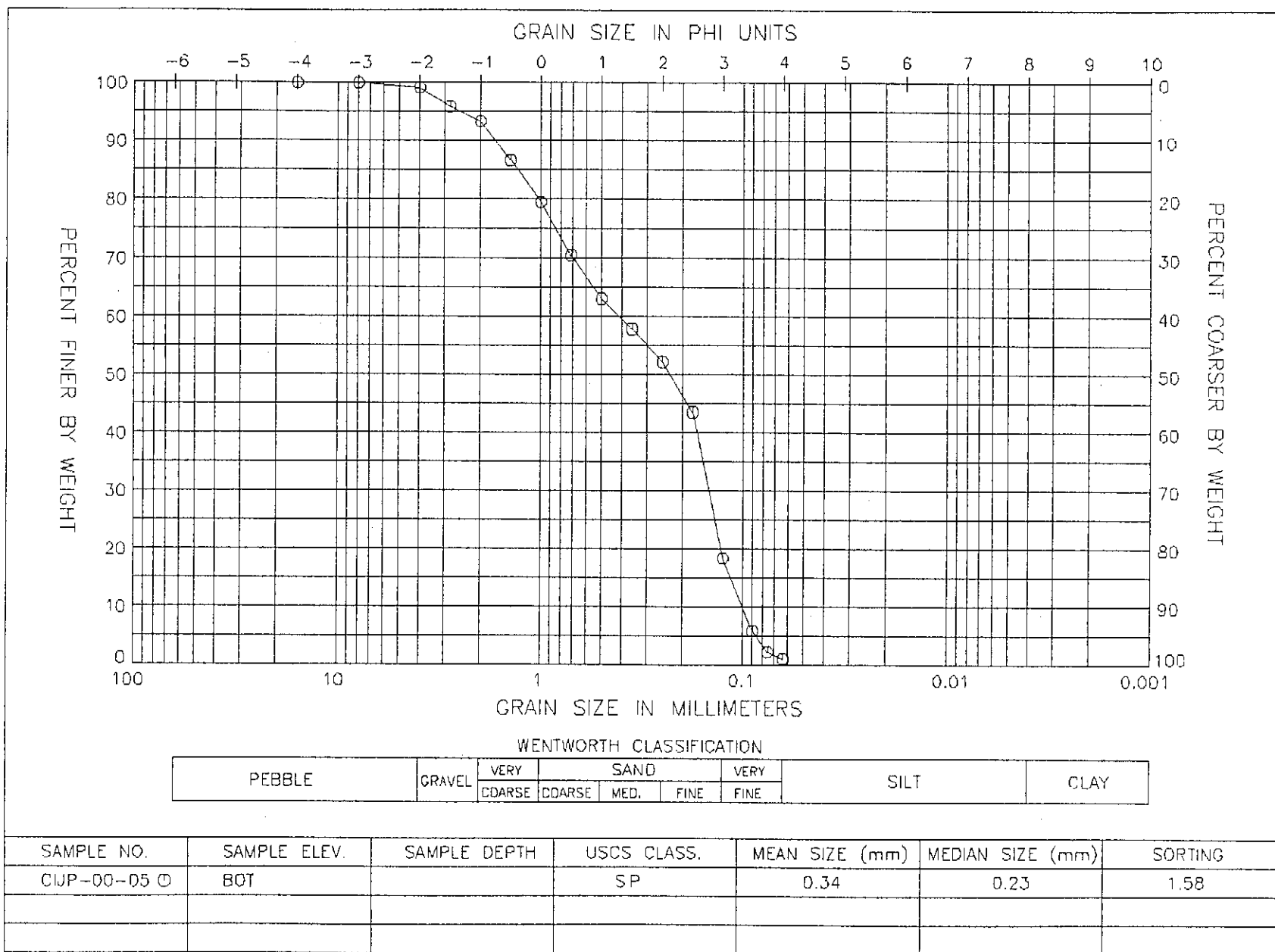
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

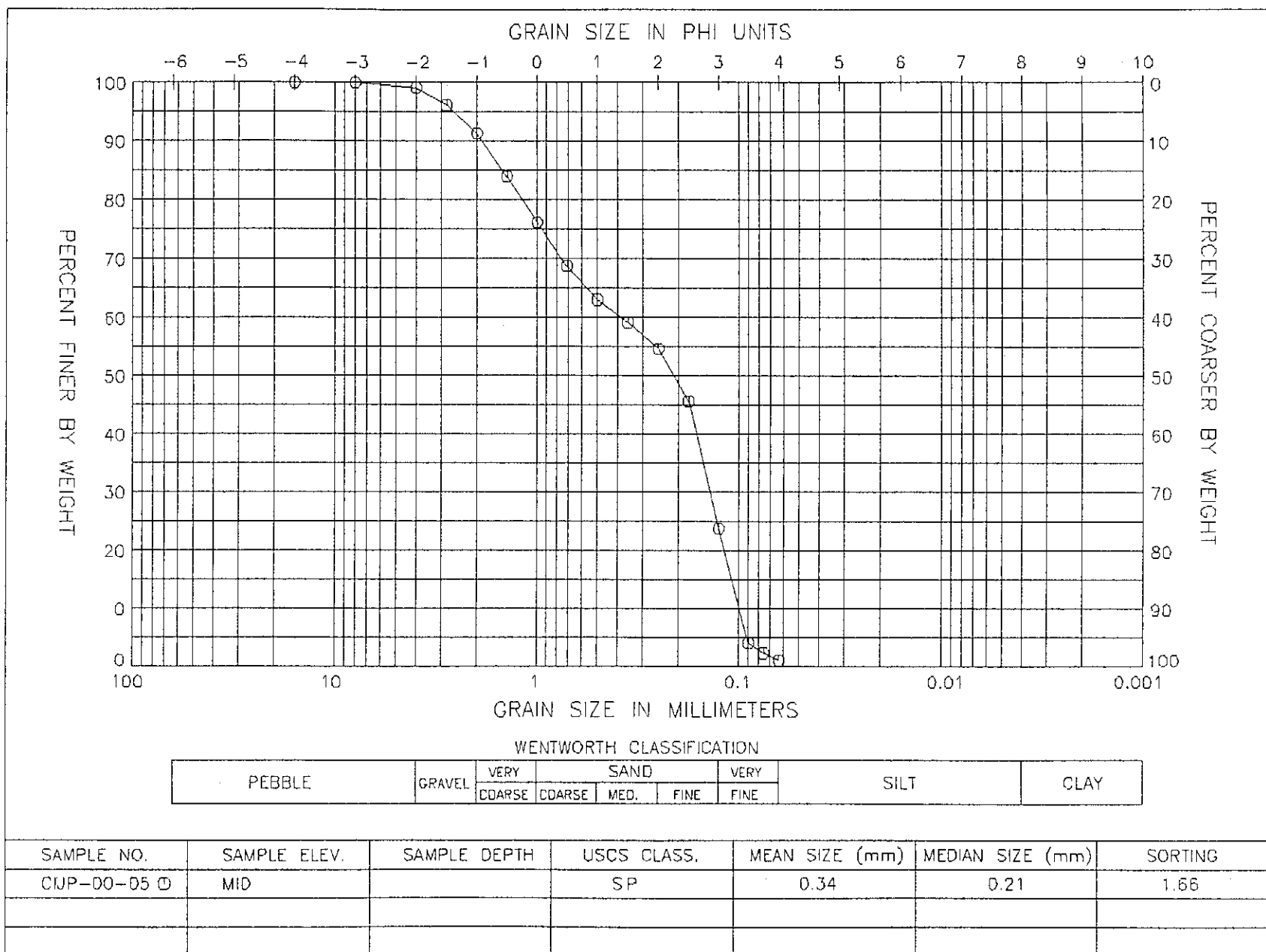
MEAN (PHI): 1.84	SORTING: 1.73
MEAN (mm): 0.28	

DATA FILE NAME: CIJP-00-05 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA JET PROBES

