

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-08

COORDINATES:

N = 568925.79

E = 819834.86

DATE: 5/2/00

START TIME: 1538

END TIME: 1544

WATER DEPTH: 24.0'

TOP DIVER: CM

BOTTOM DIVER: ML

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 10.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-24	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-30	1		
		2		
		3		SAND, fine grained, trace shell hash, light gray (5Y-7/1).
		4		
		5		
		6		
WEATHER: WIND: DIR: NW SPEED: 5-10 KT. WAVES: DIR: W HEIGHT: 1 ft	-34	7		
		8		RUBBLE/SHELLS, fine to coarse, light gray (5Y-7/1).
		9		
	-35	10		
CURRENT: DIR: NONE SPEED: NONE		11		ROCK
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 5'): LOW BOTTOM (5' - 10'): LOW		22		TOP: 0.18 mm; 2.5% silt
		23		MID: 0.18 mm; 3.2% silt
DRAWN BY: TT COMM.NO: 8402.41		24		BOTTOM: 0.17 mm; 2.8% silt

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

SAMPLE NO.: CIJP-00-08
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.86
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.42

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	0.02	0.02	99.98
7	-1.50	2.800	0.19	0.19	99.81
10	-1.00	2.000	0.34	0.34	99.66
14	-0.50	1.400	0.65	0.65	99.35
18	0.00	1.000	1.17	1.17	98.83
25	0.50	0.710	2.00	2.00	98.00
35	1.00	0.500	3.51	3.51	96.49
45	1.50	0.355	6.45	6.46	93.54
60	2.00	0.250	16.14	16.16	83.84
80	2.50	0.180	27.19	27.23	72.77
120	3.00	0.125	82.71	82.83	17.17
170	3.50	0.090	95.48	95.61	4.39
200	3.75	0.075	97.09	97.23	2.77
230	4.00	0.063	98.55	98.69	1.31
PAN			99.85	99.99	0.01

PHI (5): 1.25	PHI (16): 1.99	PHI (25): 2.40
PHI (50): 2.70	PHI (75): 2.93	PHI (84): 3.05
PHI (95): 3.48		

SIEVE LOSS (g): 0.01	SILT/CLAY: 2.77%
SKEWNESS: -0.646	KURTOSIS: 1.719

GRAPHIC METHOD

MEAN (PHI): 2.49	SORTING: 0.53
MEAN (mm): 0.18	MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

MEAN (PHI): 2.55	SORTING: 0.70
MEAN (mm): 0.17	

DATA FILE NAME: CIJP-00-08 BOT.TAB

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

SAMPLE NO.: CIJP-00-08
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.06
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.01

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	0.26	0.26	99.74
10	-1.00	2.000	0.69	0.69	99.31
14	-0.50	1.400	1.36	1.36	98.64
18	0.00	1.000	2.32	2.32	97.68
25	0.50	0.710	3.89	3.89	96.11
35	1.00	0.500	6.43	6.43	93.57
45	1.50	0.355	10.74	10.73	89.27
60	2.00	0.250	24.83	24.82	75.18
80	2.50	0.180	48.14	48.11	51.89
120	3.00	0.125	64.39	64.35	35.65
170	3.50	0.090	96.12	96.06	3.94
200	3.75	0.075	96.90	96.84	3.16
230	4.00	0.063	98.51	98.45	1.55
PAN			100.05	99.99	0.01

PHI (5): 0.72 PHI (16): 1.69 PHI (25): 2.00
PHI (50): 2.56 PHI (75): 3.17 PHI (84): 3.31
PHI (95): 3.48

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.16%
SKEWNESS: -0.563 KURTOSIS: 0.973

GRAPHIC METHOD

MEAN (PHI): 2.35 SORTING: 0.81
MEAN (mm): 0.20 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.44 SORTING: 0.90
MEAN (mm): 0.18

DATA FILE NAME: CIJP-00-08 MID.TAB

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

SAMPLE NO.: CIJP-00-08
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.51
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.06

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	0.06	0.06	99.94
10	-1.00	2.000	0.25	0.25	99.75
14	-0.50	1.400	0.48	0.48	99.52
18	0.00	1.000	0.87	0.87	99.13
25	0.50	0.710	1.52	1.51	98.49
35	1.00	0.500	2.79	2.78	97.22
45	1.50	0.355	5.24	5.21	94.79
60	2.00	0.250	15.29	15.21	84.79
80	2.50	0.180	38.52	38.32	61.68
120	3.00	0.125	89.72	89.26	10.74
170	3.50	0.090	97.56	97.06	2.94
200	3.75	0.075	97.98	97.48	2.52
230	4.00	0.063	99.28	98.77	1.23
PAN			100.50	99.99	0.01

PHI (5): 1.46	PHI (16): 2.02	PHI (25): 2.21
PHI (50): 2.61	PHI (75): 2.86	PHI (84): 2.95
PHI (95): 3.37		

SIEVE LOSS(g): 0.01	SILT/CLAY: 2.52%
SKEWNESS: -0.435	KURTOSIS: 1.208

GRAPHIC METHOD

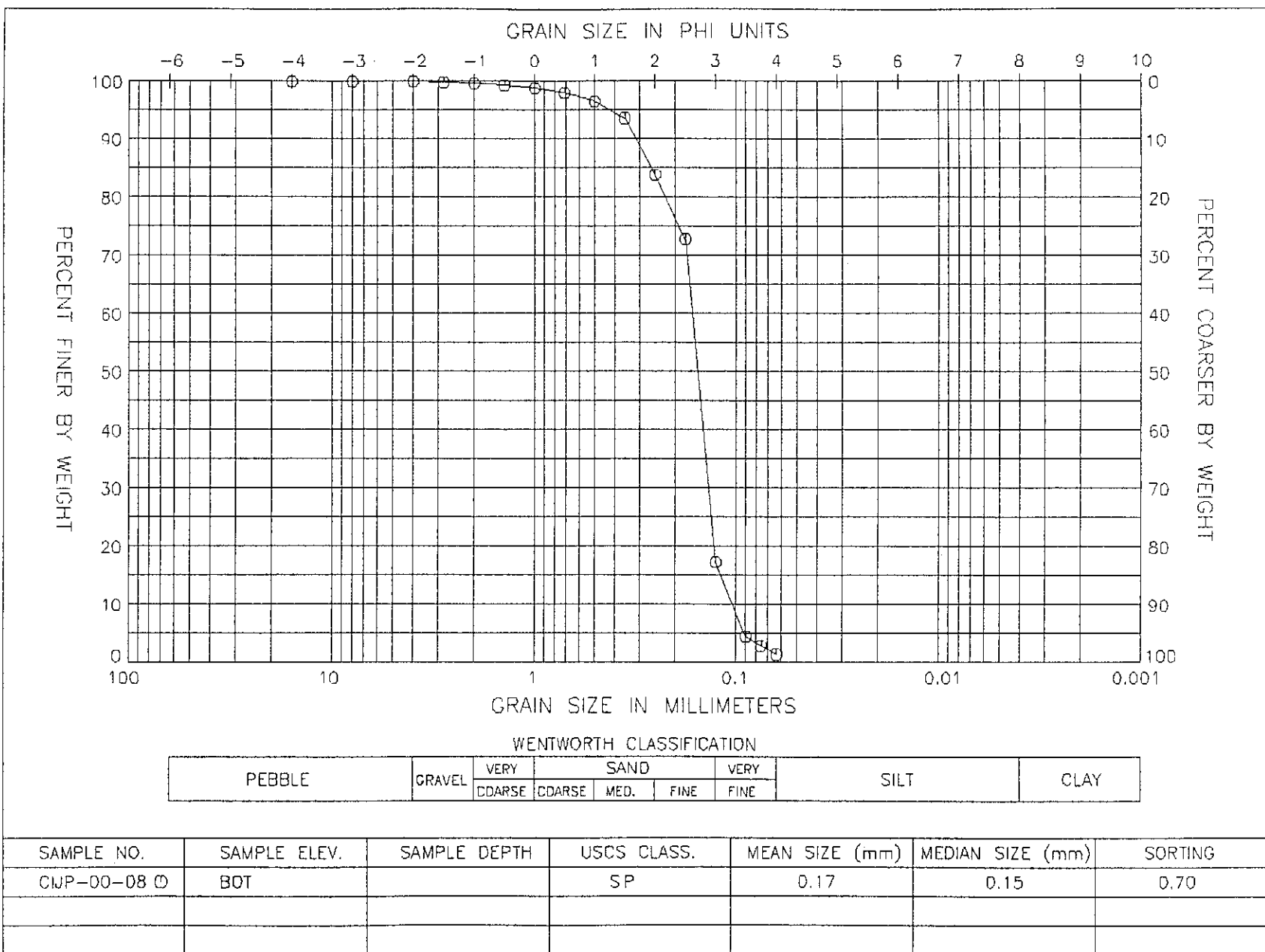
MEAN (PHI): 2.48	SORTING: 0.47
MEAN (mm) : 0.18	MEDIAN (mm) : 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

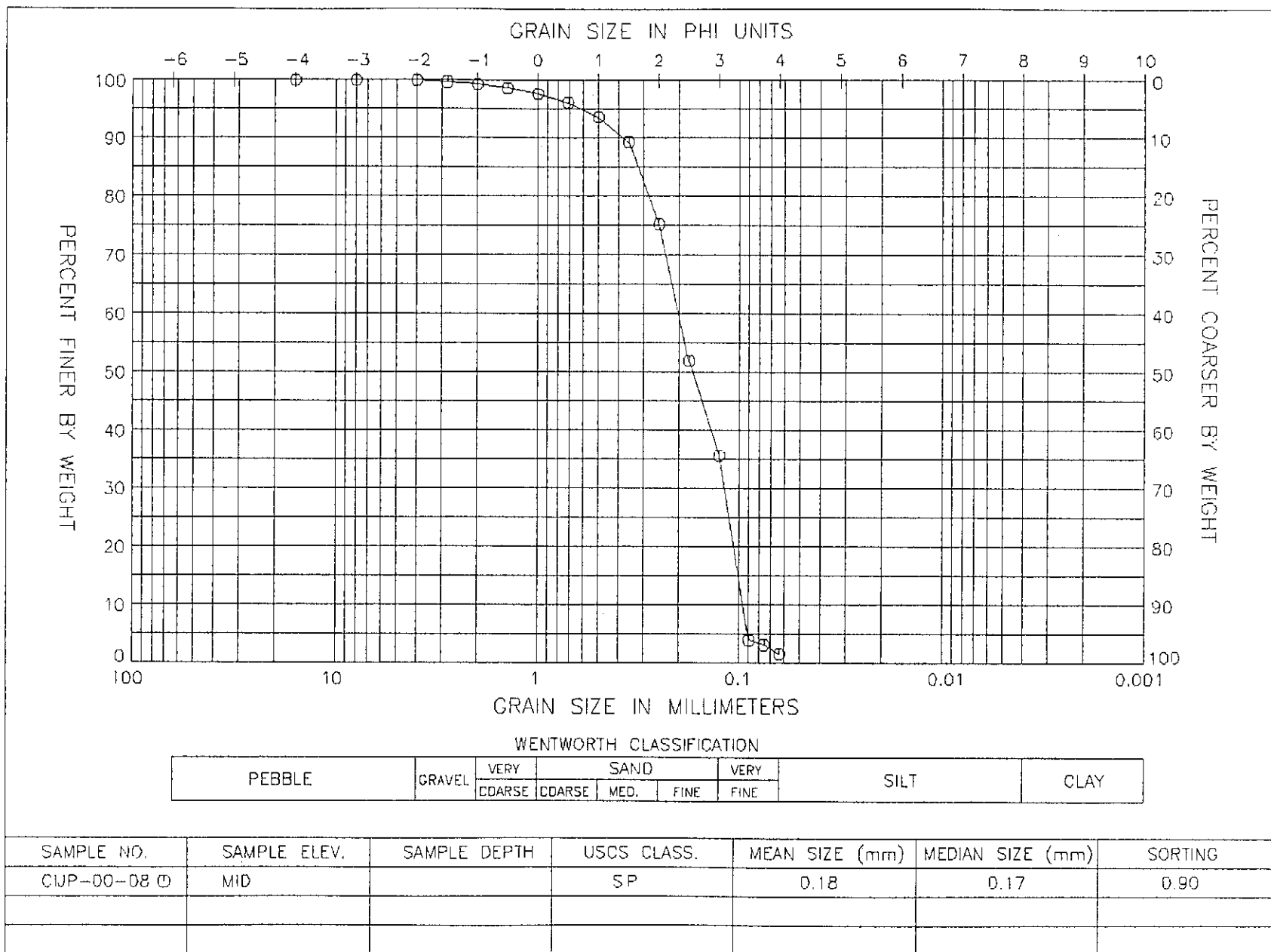
MEAN (PHI): 2.48	SORTING: 0.62
MEAN (mm) : 0.18	

DATA FILE NAME: CIJP-00-08 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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