

# JET PROBE LOG

**PROJECT: CAPTIVA JET PROBES**

**JET PROBE: CIJP-00-16**

**COORDINATES:**

N = 553804.38

E = 792736.85

**DATE:** 5/11/00

**START TIME:** 1533

**END TIME:** 1538

**WATER DEPTH:** 29.8'

**TOP DIVER:** CK

**BOTTOM DIVER:** TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 8' JET PUMP TYPE: Briggs and Stratton 3.0 hp  GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-29.8	0		SEA FLOOR
SUPPORT VESSEL: CPE II  POSITIONING: DIFFERENTIAL GPS USCG BEACON  NAVIGATION SYSTEM: "HYPACK"	-35.8	1 2 3 4 5 6		SAND, fine grained, little shell hash, trace silt, gray (5Y-6/1).
WEATHER:  WIND: DIR: VARIABLE SPEED: <5 KT  WAVES: DIR: VARIABLE HEIGHT: <1  CURRENT: DIR: NONE SPEED: NONE	-37.8 -38.8	7 8 9		SILTY SAND, trace shell hash, gray (5Y-6/1).
				ROCK
		10 11 12 13 14 15 16 17 18 19 20		
TURBIDITY: TOP (0' - 4'): LOW BOTTOM (4' - 8'): HIGH		21 22 23 24		SAND SAMPLES TOP: 0.50 mm; 1.5% silt  MID: 0.45 mm; 1.4% silt  BOTTOM: 0.35 mm; 1.4% silt
DRAWN BY: TT COMM.NO: 8410 02	CHECKED BY: SK			

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

SAMPLE NO.: CIJP-00-16  
SAMPLE ELEV. (FT. NGVD): BOT  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.00  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.66

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	0.48	0.48	99.52
7	-1.50	2.800	0.86	0.86	99.14
10	-1.00	2.000	1.92	1.92	98.08
14	-0.50	1.400	4.66	4.66	95.34
18	0.00	1.000	9.53	9.53	90.47
25	0.50	0.710	17.92	17.92	82.08
35	1.00	0.500	27.95	27.95	72.05
45	1.50	0.355	40.89	40.89	59.11
60	2.00	0.250	67.44	67.44	32.56
80	2.50	0.180	91.89	91.89	8.11
120	3.00	0.125	98.19	98.19	1.81
170	3.50	0.090	98.59	98.59	1.41
200	3.75	0.075	98.64	98.64	1.36
230	4.00	0.063	99.32	99.32	0.68
PAN			99.99	99.99	0.01

PHI(5): -0.47            PHI(16): 0.39            PHI(25): 0.85  
PHI(50): 1.67            PHI(75): 2.15            PHI(84): 2.34  
PHI(95): 2.75

SIEVE LOSS(g): 0.01            SILT/CLAY: 1.36%  
SKEWNESS: -0.543            KURTOSIS: 1.011

GRAPHIC METHOD

MEAN (PHI): 1.34            SORTING: 0.98  
MEAN (mm) : 0.40            MEDIAN (mm): 0.31

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.43            SORTING: 0.99  
MEAN (mm) : 0.37

DATA FILE NAME: CIJP-00-16 BOT.TAB

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

SAMPLE NO.: CIJP-00-16  
SAMPLE ELEV. (FT. NGVD): MID  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.01  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.63

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	0.83	0.83	99.17
7	-1.50	2.800	2.16	2.16	97.84
10	-1.00	2.000	4.13	4.13	95.87
14	-0.50	1.400	8.27	8.27	91.73
18	0.00	1.000	14.79	14.79	85.21
25	0.50	0.710	24.83	24.83	75.17
35	1.00	0.500	37.65	37.65	62.35
45	1.50	0.355	53.16	53.15	46.85
60	2.00	0.250	78.36	78.35	21.65
80	2.50	0.180	96.09	96.08	3.92
120	3.00	0.125	98.49	98.48	1.52
170	3.50	0.090	98.60	98.59	1.41
200	3.75	0.075	98.61	98.60	1.40
230	4.00	0.063	99.31	99.30	0.70
PAN			100.01	100.00	0.00

PHI (5): -0.89 PHI (16): 0.06 PHI (25): 0.51  
PHI (50): 1.40 PHI (75): 1.93 PHI (84): 2.16  
PHI (95): 2.47

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.40%  
SKEWNESS: -0.582 KURTOSIS: 0.966

GRAPHIC METHOD

MEAN (PHI): 1.04 SORTING: 1.05  
MEAN (mm): 0.49 MEDIAN (mm): 0.38  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.14 SORTING: 1.07  
MEAN (mm): 0.45

DATA FILE NAME: CIJP-00-16 MID.TAB

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

SAMPLE NO.: CIJP-00-16  
SAMPLE ELEV. (FT. NGVD): TOP  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.02  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.57

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	0.61	0.61	99.39
7	-1.50	2.800	1.79	1.79	98.21
10	-1.00	2.000	4.39	4.39	95.61
14	-0.50	1.400	9.92	9.92	90.08
18	0.00	1.000	16.95	16.95	83.05
25	0.50	0.710	29.40	29.39	70.61
35	1.00	0.500	43.84	43.83	56.17
45	1.50	0.355	60.97	60.96	39.04
60	2.00	0.250	86.14	86.12	13.88
80	2.50	0.180	97.48	97.46	2.54
120	3.00	0.125	98.53	98.51	1.49
170	3.50	0.090	98.57	98.55	1.45
200	3.75	0.075	98.57	98.55	1.45
230	4.00	0.063	99.29	99.28	0.72
PAN			100.02	100.00	0.00

PHI (5): -0.94            PHI (16): -0.07            PHI (25): 0.32  
PHI (50): 1.18            PHI (75): 1.78            PHI (84): 1.96  
PHI (95): 2.39

SIEVE LOSS (g): 0.00            SILT/CLAY: 1.45%  
SKEWNESS: -0.451            KURTOSIS: 0.939

GRAPHIC METHOD

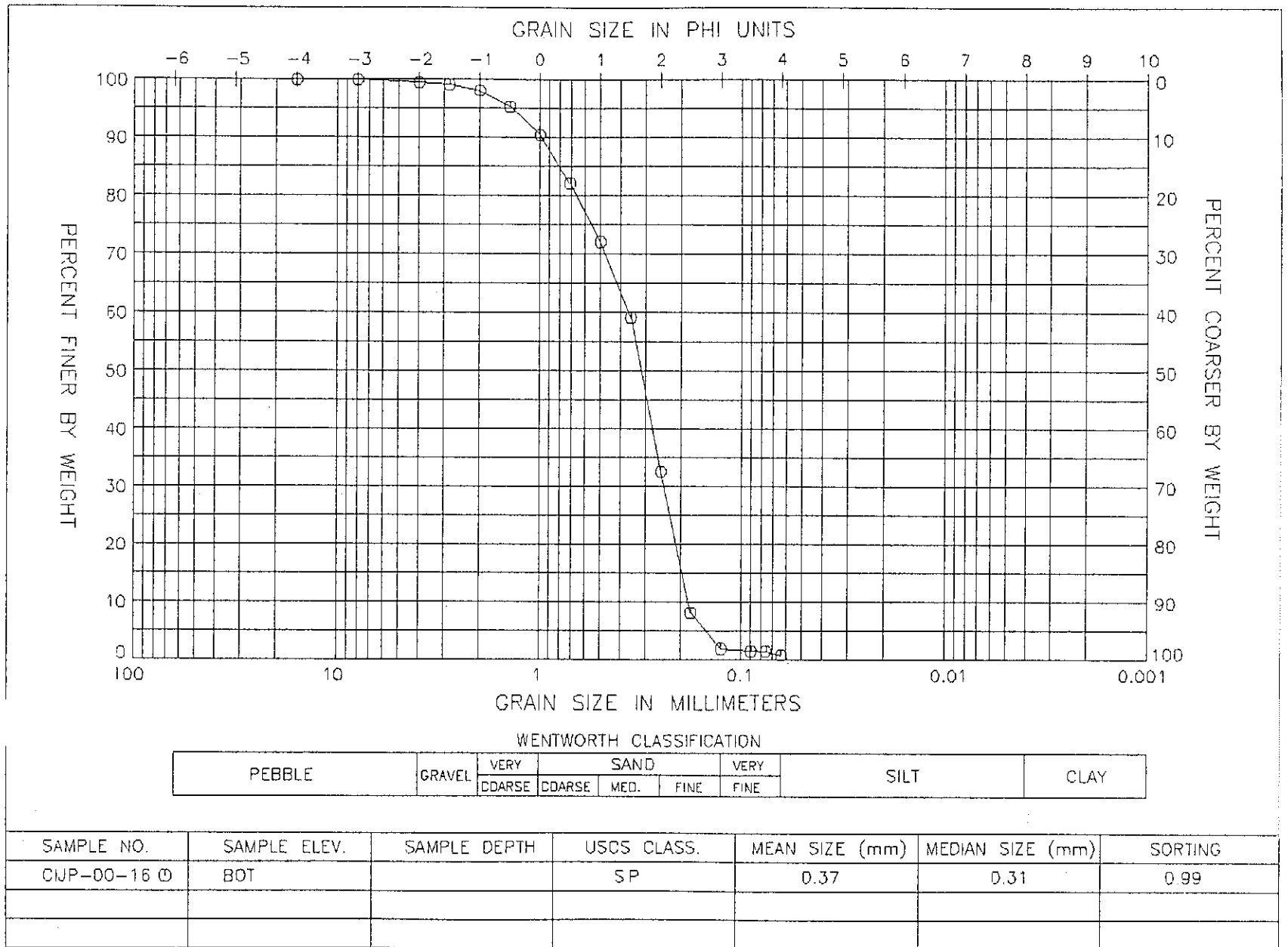
MEAN (PHI): 0.90            SORTING: 1.01  
MEAN (mm): 0.53            MEDIAN (mm): 0.44  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

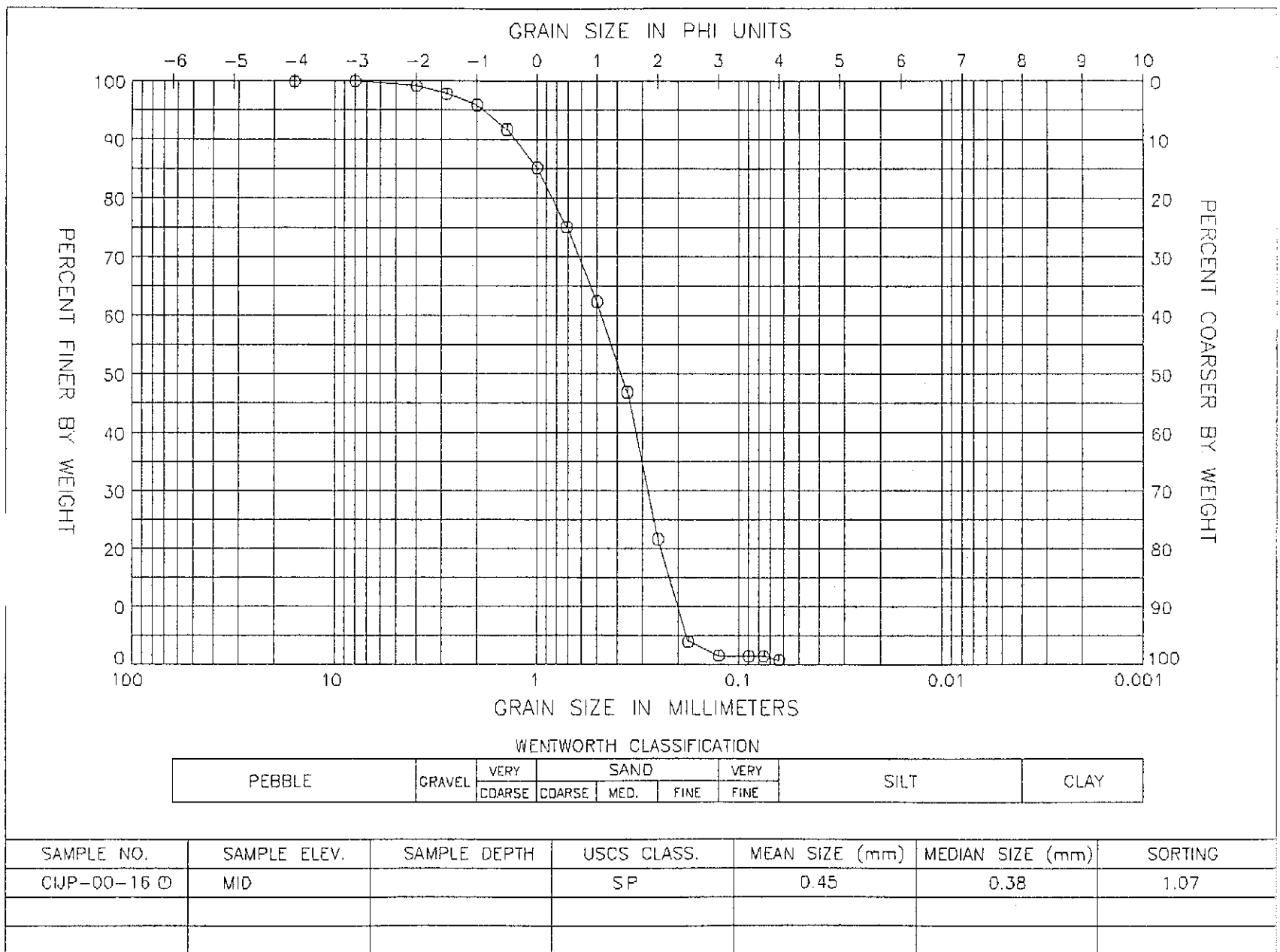
MEAN (PHI): 0.99            SORTING: 1.04  
MEAN (mm): 0.50

DATA FILE NAME: CIJP-00-16 TOP.TAB

# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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