

# JET PROBE LOG

**PROJECT: CAPTIVA JET PROBES**

**JET PROBE: CIJP-00-12**

**COORDINATES:**

**N** = 555959.27

**E** = 803121.52

**DATE:** 5/2/00

**START TIME:** 1643

**END TIME:** 1649

**WATER DEPTH:** 29.1'

**TOP DIVER:** CM

**BOTTOM DIVER:** TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 6.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp  GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-29.1	0		SEA FLOOR
SUPPORT VESSEL: CPE II  POSITIONING: DIFFERENTIAL GPS USCG BEACON  NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		SAND, fine grained, little shell hash, trace silt, gray (5Y-6/1).
		4		
		5		
	-35.1	6		
WEATHER:  WIND: DIR: NW SPEED: 5-10 KT.  WAVES: DIR: W HEIGHT: 1 ft  CURRENT: DIR: NONE SPEED: NONE	-36.1	7		ROCK
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 3'): LOW BOTTOM (3' - 6'): LOW		22		TOP: 0.53 mm, 1.6% silt
		23		MID: 0.48 mm, 1.7% silt
DRAWN BY: JT CHECKED BY: SK COMM NO: 8400-41		24		BOTTOM: 0.45 mm, 1.8% silt

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

SAMPLE NO.: CIJP-00-12  
SAMPLE ELEV. (FT. NGVD): BOT  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.08  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.31

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	0.86	0.86	99.14
7	-1.50	2.800	1.95	1.95	98.05
10	-1.00	2.000	4.27	4.27	95.73
14	-0.50	1.400	9.10	9.09	90.91
18	0.00	1.000	16.28	16.27	83.73
25	0.50	0.710	26.89	26.87	73.13
35	1.00	0.500	40.46	40.43	59.57
45	1.50	0.355	54.54	54.50	45.50
60	2.00	0.250	72.54	72.48	27.52
80	2.50	0.180	91.06	90.99	9.01
120	3.00	0.125	97.74	97.66	2.34
170	3.50	0.090	98.26	98.18	1.82
200	3.75	0.075	98.29	98.21	1.79
230	4.00	0.063	99.19	99.11	0.89
PAN			100.07	99.99	0.01

PHI (5): -0.92 PHI (16): -0.02 PHI (25): 0.41  
PHI (50): 1.34 PHI (75): 2.07 PHI (84): 2.31  
PHI (95): 2.80

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.79%  
SKEWNESS: -0.345 KURTOSIS: 0.922

GRAPHIC METHOD

MEAN (PHI): 1.10 SORTING: 1.16  
MEAN (mm): 0.47 MEDIAN (mm): 0.39  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.16 SORTING: 1.15  
MEAN (mm): 0.45

DATA FILE NAME: CIJP-00-12 BOT.TAB

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

SAMPLE NO.: CIJP-00-12  
SAMPLE ELEV. (FT. NGVD): MID  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.05  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.35

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	0.18	0.18	99.82
7	-1.50	2.800	0.85	0.85	99.15
10	-1.00	2.000	2.67	2.67	97.33
14	-0.50	1.400	7.60	7.60	92.40
18	0.00	1.000	15.36	15.35	84.65
25	0.50	0.710	28.59	28.58	71.42
35	1.00	0.500	44.91	44.89	55.11
45	1.50	0.355	61.85	61.82	38.18
60	2.00	0.250	81.60	81.56	18.44
80	2.50	0.180	94.30	94.25	5.75
120	3.00	0.125	98.08	98.03	1.97
170	3.50	0.090	98.29	98.24	1.76
200	3.75	0.075	98.35	98.30	1.70
230	4.00	0.063	99.20	99.15	0.85
PAN			100.05	100.00	0.00

PHI (5): -0.76            PHI (16): 0.02            PHI (25): 0.36  
PHI (50): 1.15            PHI (75): 1.83            PHI (84): 2.10  
PHI (95): 2.60

SIEVE LOSS (g): 0.00            SILT/CLAY: 1.70%  
SKEWNESS: -0.225            KURTOSIS: 0.938

GRAPHIC METHOD

MEAN (PHI): 1.02            SORTING: 1.04  
MEAN (mm) : 0.49            MEDIAN (mm): 0.45  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.06            SORTING: 1.02  
MEAN (mm) : 0.48

DATA FILE NAME: CIJP-00-12 MID.TAB

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

SAMPLE NO.: CIJP-00-12  
SAMPLE ELEV. (FT. NGVD): TOP  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.08  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.48

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	0.57	0.57	99.43
7	-1.50	2.800	1.69	1.69	98.31
10	-1.00	2.000	4.16	4.16	95.84
14	-0.50	1.400	9.12	9.11	90.89
18	0.00	1.000	17.61	17.60	82.40
25	0.50	0.710	31.09	31.07	68.93
35	1.00	0.500	48.84	48.80	51.20
45	1.50	0.355	67.73	67.68	32.32
60	2.00	0.250	86.63	86.56	13.44
80	2.50	0.180	96.27	96.19	3.81
120	3.00	0.125	98.31	98.23	1.77
170	3.50	0.090	98.47	98.39	1.61
200	3.75	0.075	98.48	98.40	1.60
230	4.00	0.063	99.28	99.20	0.80
PAN			100.08	100.00	0.00

PHI (5): -0.91            PHI (16): -0.09            PHI (25): 0.27  
PHI (50): 1.03            PHI (75): 1.69            PHI (84): 1.93  
PHI (95): 2.44

SIEVE LOSS (g): 0.00            SILT/CLAY: 1.60%  
SKEWNESS: -0.267            KURTOSIS: 0.968

GRAPHIC METHOD

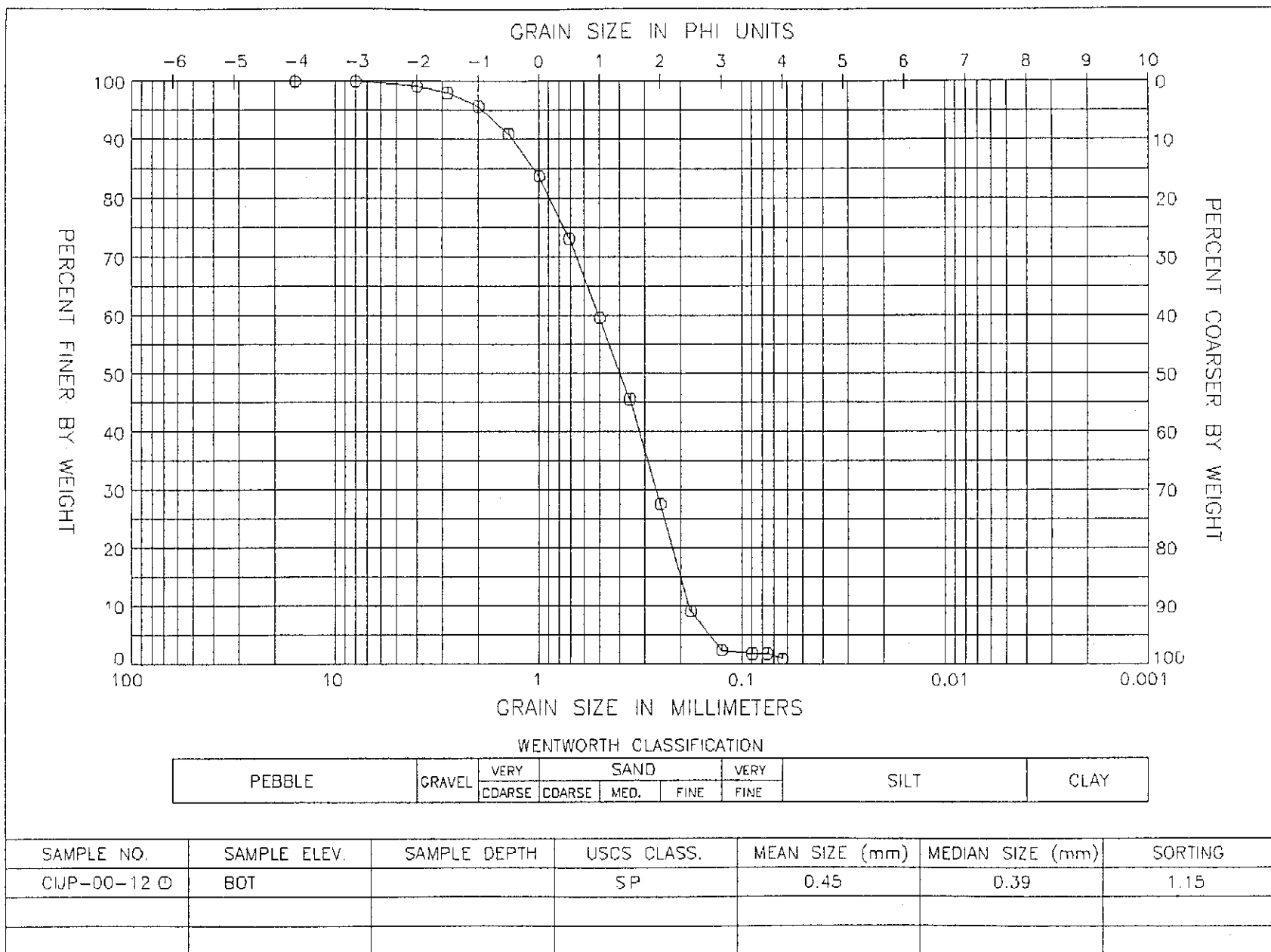
MEAN (PHI): 0.88            SORTING: 1.01  
MEAN (mm) : 0.54            MEDIAN (mm): 0.49  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

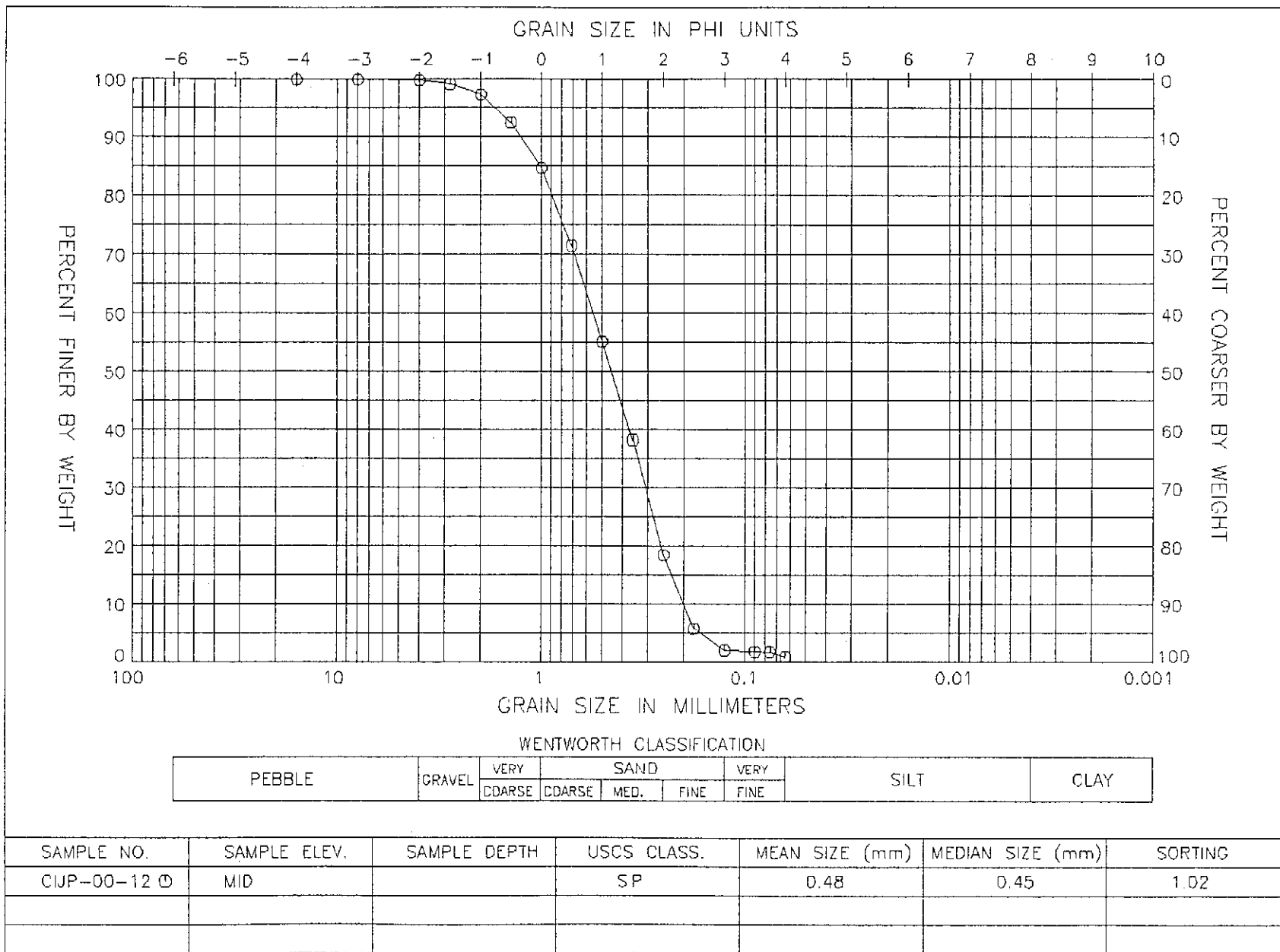
MEAN (PHI): 0.93            SORTING: 1.03  
MEAN (mm) : 0.53

DATA FILE NAME: CIJP-00-12 TOP.TAB

# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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