

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CJP-00-22

COORDINATES:

N = 547564.41

E = 768588.11

DATE: 5/11/00

START TIME: 1420

END TIME: 1425

WATER DEPTH: 32.5'

TOP DIVER: CK

BOTTOM DIVER: JA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20' PENETRATION DEPTH: 16.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-31.2	0		SEA FLOOR
SUPPORT VESSEL: CPE II		1		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		2		
NAVIGATION SYSTEM: "HYPACK"		3		
WEATHER:		4		
WIND:		5		
DIR: VARIABLE		6		SAND, fine grained, little shell
SPEED: <5 KT		7		hash, gray (5Y-5/1).
WAVES:		8		
DIR: VARIABLE		9		
HIEGHT: <1		10		
CURRENT:		11		
DIR: NONE	-43.2	12		
SPEED: NONE		13		
		14		SILTY SAND, gray (5Y-6/1).
	-47.2	15		
		16		
	-48.2	17		ROCK
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY:		22		TOP: 0.52 mm; 1.2% silt
TOP (0' - 10'): LOW		23		MID: 0.49 mm; 1.2% silt
BOTTOM (10' - 16'): HIGH		24		BOTTOM: 0.33 mm; 1.2% silt
DRAWN BY: TT				
CHECKED BY: SK				
COMM NO: 8410.02				

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

SAMPLE NO.: CIJP-00-22
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 97.54
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.74

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	0.51	0.52	99.48
10	-1.00	2.000	1.27	1.30	98.70
14	-0.50	1.400	3.08	3.16	96.84
18	0.00	1.000	5.95	6.10	93.90
25	0.50	0.710	12.14	12.45	87.55
35	1.00	0.500	21.55	22.09	77.91
45	1.50	0.355	34.01	34.87	65.13
60	2.00	0.250	58.26	59.73	40.27
80	2.50	0.180	84.76	86.90	13.10
120	3.00	0.125	94.50	96.88	3.12
170	3.50	0.090	95.55	97.96	2.04
200	3.75	0.075	95.71	98.12	1.88
230	4.00	0.063	96.62	99.06	0.94
PAN			97.53	99.99	0.01

PHI (5): -0.19	PHI (16): 0.68	PHI (25): 1.11
PHI (50): 1.80	PHI (75): 2.28	PHI (84): 2.45
PHI (95): 2.91		

SIEVE LOSS (g): 0.01	SILT/CLAY: 1.88%
SKEWNESS: -0.505	KURTOSIS: 1.086

GRAPHIC METHOD

MEAN (PHI): 1.53	SORTING: 0.88
MEAN (mm) : 0.35	MEDIAN (mm): 0.29

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.62	SORTING: 0.93
MEAN (mm) : 0.33	

DATA FILE NAME: CIJP-00-22 BOT.TAB

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

SAMPLE NO.: CIJP-00-22
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.72
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.53

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	2.54	2.55	97.45
10	-1.00	2.000	4.82	4.83	95.17
14	-0.50	1.400	9.43	9.46	90.54
18	0.00	1.000	16.21	16.26	83.74
25	0.50	0.710	26.88	26.96	73.04
35	1.00	0.500	42.28	42.40	57.60
45	1.50	0.355	60.86	61.03	38.97
60	2.00	0.250	83.32	83.55	16.45
80	2.50	0.180	96.68	96.95	3.05
120	3.00	0.125	98.40	98.68	1.32
170	3.50	0.090	98.47	98.75	1.25
200	3.75	0.075	98.51	98.79	1.21
230	4.00	0.063	99.11	99.39	0.61
PAN			99.71	99.99	0.01

PHI (5): -0.98 PHI (16): -0.02 PHI (25): 0.41
PHI (50): 1.20 PHI (75): 1.81 PHI (84): 2.02
PHI (95): 2.43

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.21%
SKEWNESS: -0.473 KURTOSIS: 0.997

GRAPHIC METHOD

MEAN (PHI): 0.93 SORTING: 1.02
MEAN (mm): 0.53 MEDIAN (mm): 0.43
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.02 SORTING: 1.06
MEAN (mm): 0.49

DATA FILE NAME: CIJP-00-22 MID.TAB

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

SAMPLE NO.: CIJP-00-22
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): 98.76

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	0.51	0.51	99.49
7	-1.50	2.800	1.69	1.69	98.31
10	-1.00	2.000	3.24	3.24	96.76
14	-0.50	1.400	7.42	7.43	92.57
18	0.00	1.000	14.75	14.76	85.24
25	0.50	0.710	29.07	29.10	70.90
35	1.00	0.500	47.65	47.69	52.31
45	1.50	0.355	66.78	66.84	33.16
60	2.00	0.250	88.96	89.04	10.96
80	2.50	0.180	97.95	98.04	1.96
120	3.00	0.125	98.74	98.83	1.17
170	3.50	0.090	98.75	98.84	1.16
200	3.75	0.075	98.76	98.85	1.15
230	4.00	0.063	99.34	99.42	0.58
PAN			99.91	100.00	0.00

PHI(5): -0.79 PHI(16): 0.04 PHI(25): 0.36
PHI(50): 1.06 PHI(75): 1.68 PHI(84): 1.89
PHI(95): 2.33

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.15%
SKEWNESS: -0.314 KURTOSIS: 0.964

GRAPHIC METHOD

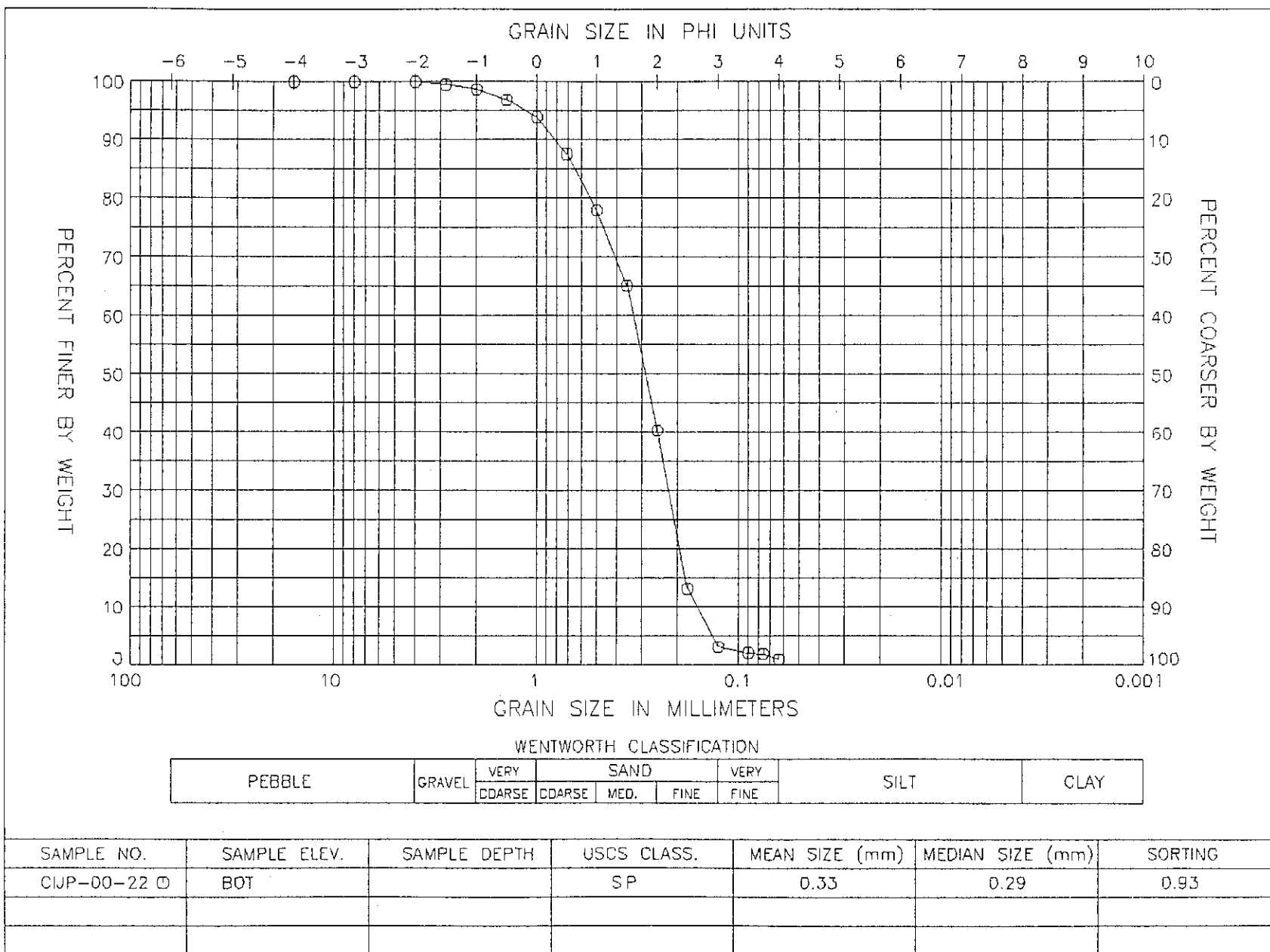
MEAN (PHI): 0.91 SORTING: 0.92
MEAN (mm) : 0.53 MEDIAN (mm): 0.48
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

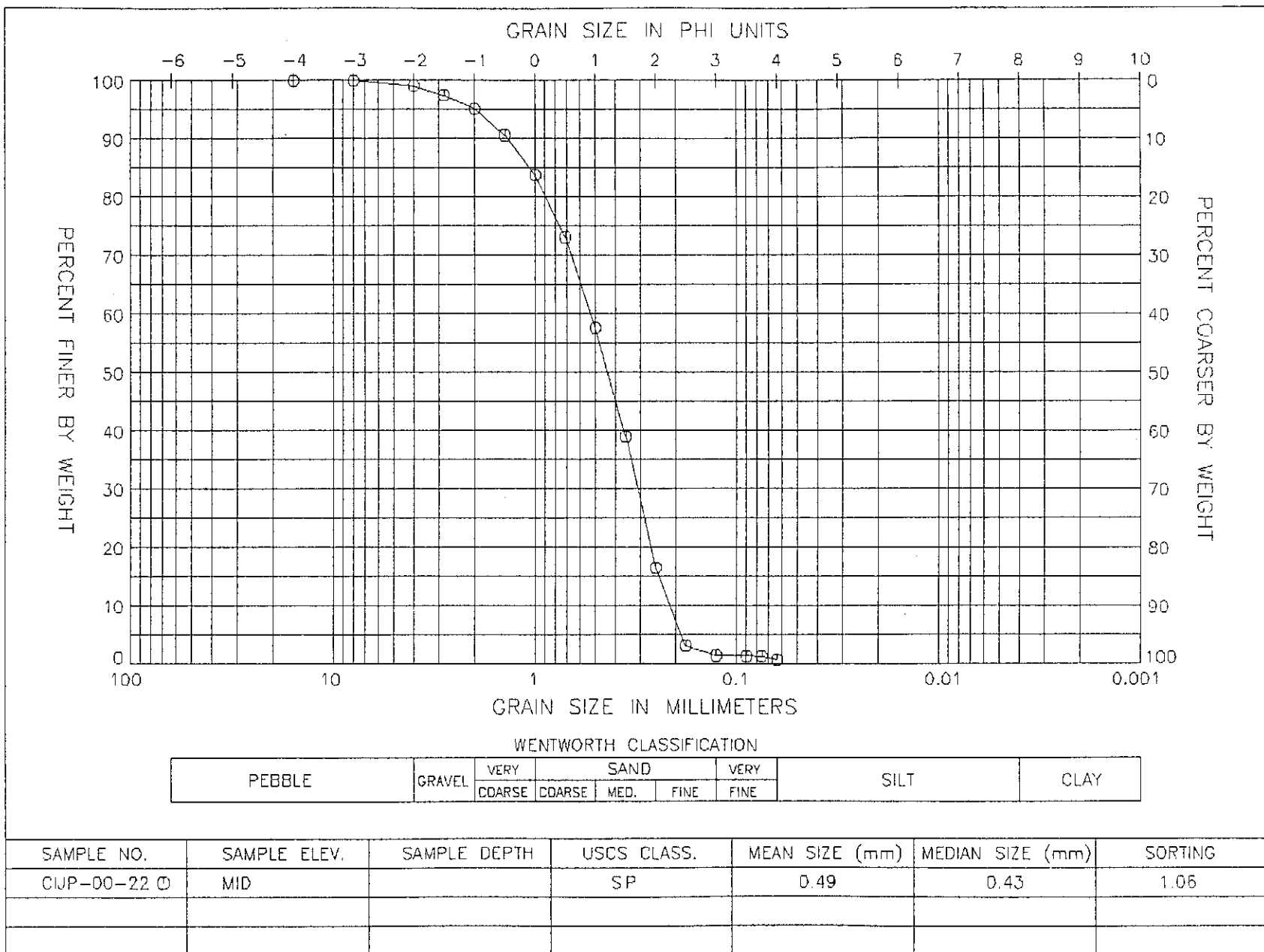
MEAN (PHI): 0.95 SORTING: 0.96
MEAN (mm) : 0.52

DATA FILE NAME: CIJP-00-22 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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