

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-01

COORDINATES:

N = 580836.91

E = 814436.23

DATE: 5/2/00

START TIME: 0955

END TIME: 1000

WATER DEPTH: 21.0'

TOP DIVER: CM

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 3.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-21	0		SEA FLOOR
		1		SAND, fine grained, little shell hash/shell fragments, gray (5Y-6/1)
	-23.5	2		
	-24	3		RUBBLE, some fine-grained sand, gray (5Y-6/1)
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"	-25	4		
		5		ROCK
WEATHER: WIND: DIR: SE SPEED: 8-10 KT. WAVES: DIR: SE HEIGHT: 1 - 2 ft CURRENT: DIR: E SPEED: 1/2 KT		6		
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
TURBIDITY: TOP (0' - 1.5') MOD BOTTOM (1.5' - 3') MOD				SAND SAMPLES TOP: 0.72 mm; 2.82% silt MID: 0.45 mm; 4.46% silt BOTTOM: 0.75 mm; 3.35% silt
DRAWN BY: TT COMM NO: 8402.41	CHECKED BY: SK			

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

SAMPLE NO.: CIJP-00-01
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.80

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	9.47	9.46	90.54
7	-1.50	2.800	14.52	14.51	85.49
10	-1.00	2.000	20.25	20.23	79.77
14	-0.50	1.400	22.89	22.87	77.13
18	0.00	1.000	33.06	33.03	66.97
25	0.50	0.710	47.66	47.61	52.39
35	1.00	0.500	63.56	63.50	36.50
45	1.50	0.355	75.60	75.52	24.48
60	2.00	0.250	84.50	84.42	15.58
80	2.50	0.180	89.50	89.41	10.59
120	3.00	0.125	93.50	93.41	6.59
170	3.50	0.090	96.31	96.21	3.79
200	3.75	0.075	96.75	96.65	3.35
230	4.00	0.063	98.42	98.32	1.68
PAN			100.09	99.99	0.01

PHI (5): -2.47	PHI (16): -1.37	PHI (25): -0.40
PHI (50): 0.58	PHI (75): 1.48	PHI (84): 1.98
PHI (95): 3.28		

SIEVE LOSS (g): 0.01	SILT/CLAY: 3.35%
SKEWNESS: -0.101	KURTOSIS: 1.259

GRAPHIC METHOD

MEAN (PHI): 0.40	SORTING: 1.67
MEAN (mm): 0.76	MEDIAN (mm): 0.67

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.42	SORTING: 1.56
MEAN (mm): 0.75	

DATA FILE NAME: CIJP-00-01 BOT.TAB

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

SAMPLE NO.: CIJP-00-01
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SW

DRY SAMPLE WEIGHT (GRAMS): 100.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.71

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	3.61	3.61	96.39
7	-1.50	2.800	4.93	4.93	95.07
10	-1.00	2.000	6.94	6.94	93.06
14	-0.50	1.400	12.91	12.91	87.09
18	0.00	1.000	20.93	20.93	79.07
25	0.50	0.710	34.20	34.20	65.80
35	1.00	0.500	47.33	47.33	52.67
45	1.50	0.355	57.69	57.69	42.31
60	2.00	0.250	69.49	69.49	30.51
80	2.50	0.180	77.35	77.35	22.65
120	3.00	0.125	77.66	77.66	22.34
170	3.50	0.090	94.74	94.74	5.26
200	3.75	0.075	95.54	95.54	4.46
230	4.00	0.063	97.82	97.82	2.18
PAN			99.99	99.99	0.01

PHI (5): -1.48 PHI (16): -0.31 PHI (25): 0.15
PHI (50): 1.13 PHI (75): 2.35 PHI (84): 3.19
PHI (95): 3.58

SIEVE LOSS (g): 0.01 SILT/CLAY: 4.46%
SKEWNESS: -0.046 KURTOSIS: 0.945

GRAPHIC METHOD

MEAN (PHI): 1.22 SORTING: 1.75
MEAN (mm): 0.43 MEDIAN (mm): 0.46
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.15 SORTING: 1.54
MEAN (mm): 0.45

DATA FILE NAME: CIJP-00-01 MID.TAB

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

SAMPLE NO.: CIJP-00-01
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.33

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	1.80	1.80	98.20
7	-1.50	2.800	4.70	4.70	95.30
10	-1.00	2.000	8.75	8.74	91.26
14	-0.50	1.400	18.33	18.31	81.69
18	0.00	1.000	31.24	31.21	68.79
25	0.50	0.710	50.73	50.68	49.32
35	1.00	0.500	69.71	69.64	30.36
45	1.50	0.355	81.99	81.91	18.09
60	2.00	0.250	91.28	91.19	8.81
80	2.50	0.180	95.04	94.95	5.05
120	3.00	0.125	96.50	96.40	3.60
170	3.50	0.090	97.15	97.05	2.95
200	3.75	0.075	97.28	97.18	2.82
230	4.00	0.063	98.71	98.61	1.39
PAN			100.09	99.99	0.01

PHI(5): -1.46 PHI(16): -0.62 PHI(25): -0.24
PHI(50): 0.48 PHI(75): 1.22 PHI(84): 1.61
PHI(95): 2.52

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.82%
SKEWNESS: 0.041 KURTOSIS: 1.118

GRAPHIC METHOD

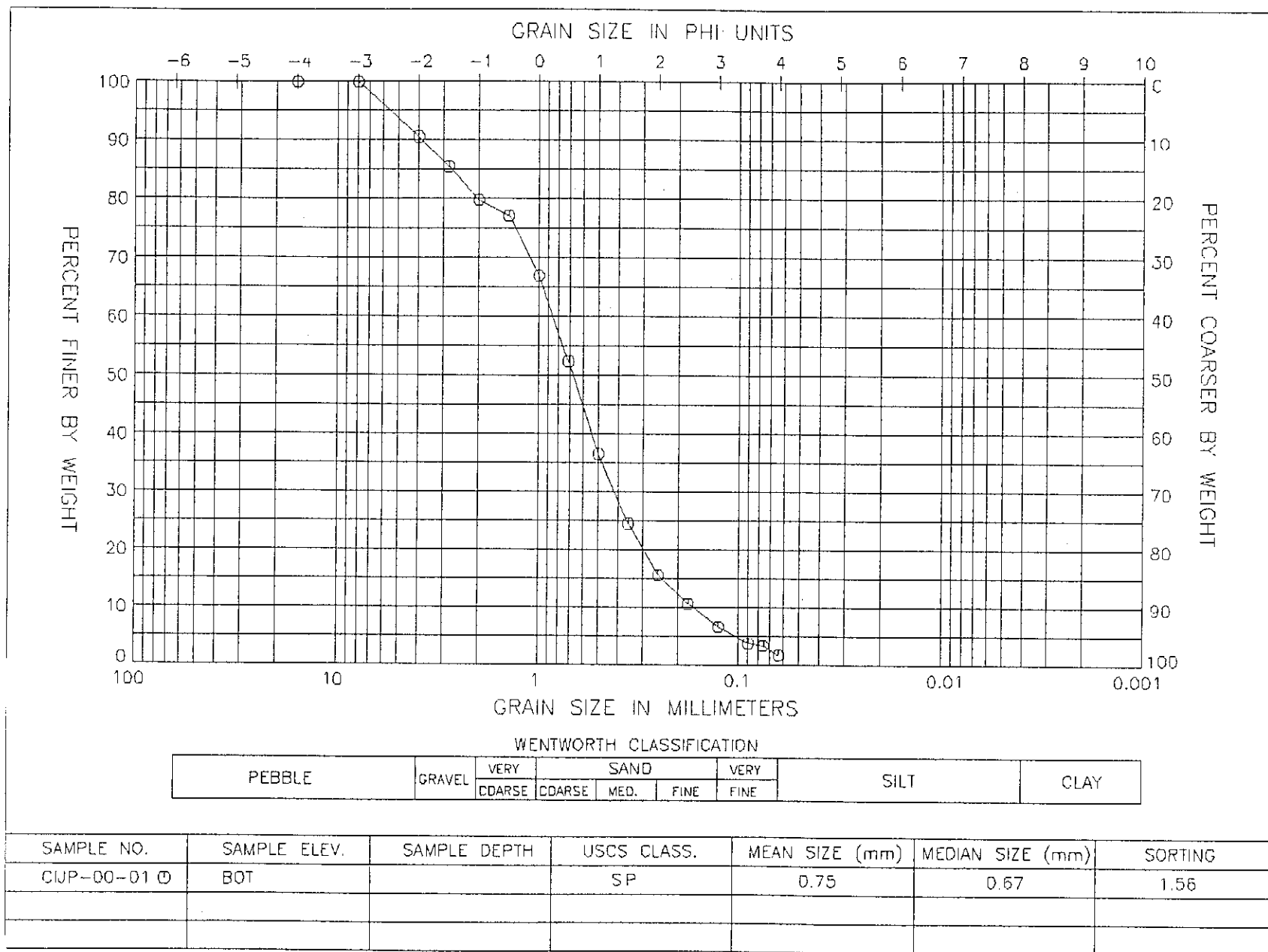
MEAN (PHI): 0.51 SORTING: 1.12
MEAN (mm): 0.70 MEDIAN (mm): 0.72
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

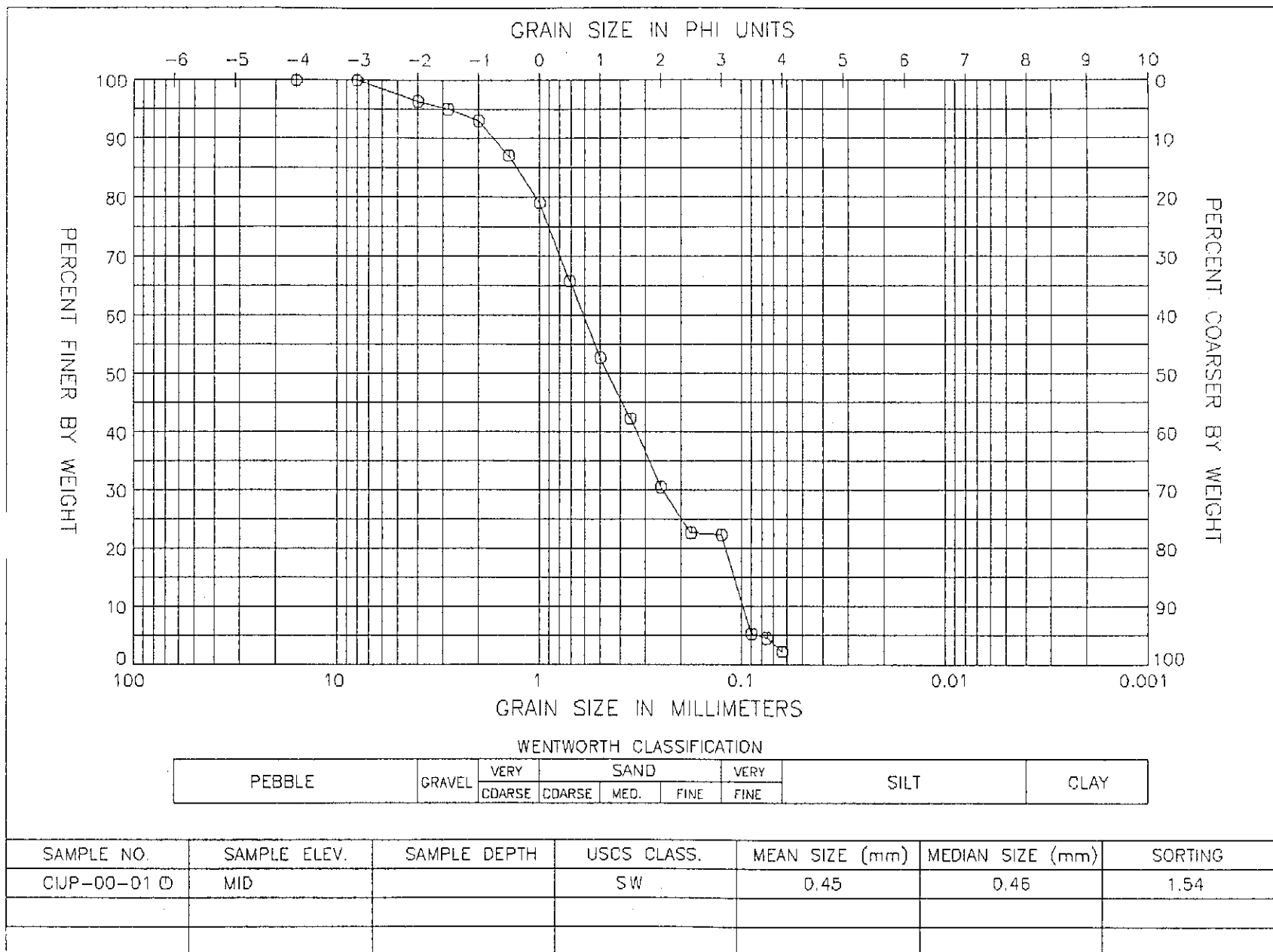
MEAN (PHI): 0.47 SORTING: 1.15
MEAN (mm): 0.72

DATA FILE NAME: CIJP-00-01 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES

