

JET PROBE LOG				
PROJECT: CAPTIVA JET PROBES			JET PROBE: CIJP-00-06	
<b>COORDINATES:</b> N = 559296.61 E = 836558.25		<b>DATE:</b> 5/2/00 <b>START TIME:</b> 1402 <b>END TIME:</b> 1406		<b>WATER DEPTH:</b> 28.2' <b>TOP DIVER:</b> CM <b>BOTTOM DIVER:</b> ML
NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 11.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp  GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-27.2	0		SEA FLOOR
SUPPORT VESSEL: CPE II  POSITIONING: DIFFERENTIAL GPS USCG BEACON  NAVIGATION SYSTEM: "HYPACK"		1		SAND, fine grained, little shell hash, gray (5Y-6/1).
		2		
		3		
WEATHER:  WIND: DIR: NE SPEED: 5-10 KT.		4		
		5		
		6		
WAVES: DIR: NE HIEGHT: 1 ft	-36.2	7		
		8		
		9		
CURRENT: DIR: NONE SPEED: NONE	-38.2	10		GRAVEL, fine to coarse, some fine grained sand, gray (5Y-6/1).
		11		
	-39.2	12		ROCK
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
TURBIDITY: TOP (0' - 8'): LOW BOTTOM (8' - 11'): LOW		23		SAND SAMPLES TOP: 0.37 mm; 1.8% silt
		24		MID: 0.40 mm; 2.0% silt
		25		BOTTOM: 0.39 mm; 2.0% 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-00-06  
SAMPLE ELEV. (FT. NGVD): BOT  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.43  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.39

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	0.19	0.19	99.81
7	-1.50	2.800	0.99	0.99	99.01
10	-1.00	2.000	2.43	2.42	97.58
14	-0.50	1.400	5.05	5.03	94.97
18	0.00	1.000	9.37	9.33	90.67
25	0.50	0.710	16.95	16.88	83.12
35	1.00	0.500	27.57	27.45	72.55
45	1.50	0.355	46.49	46.29	53.71
60	2.00	0.250	79.33	78.99	21.01
80	2.50	0.180	93.15	92.75	7.25
120	3.00	0.125	94.83	94.42	5.58
170	3.50	0.090	98.19	97.77	2.23
200	3.75	0.075	98.33	97.91	2.09
230	4.00	0.063	99.39	98.96	1.04
PAN			100.42	99.99	0.01

PHI (5): -0.51            PHI (16): 0.44            PHI (25): 0.88  
PHI (50): 1.56            PHI (75): 1.94            PHI (84): 2.18  
PHI (95): 3.09

SIEVE LOSS(g): 0.01            SILT/CLAY: 2.09%  
SKEWNESS: -0.306            KURTOSIS: 1.395

GRAPHIC METHOD

MEAN (PHI): 1.35            SORTING: 0.87  
MEAN (mm) : 0.39            MEDIAN (mm): 0.34  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.36            SORTING: 0.98  
MEAN (mm) : 0.39

DATA FILE NAME: CIJP-00-06 BOT.TAB

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

SAMPLE NO.: CIJP-00-06  
SAMPLE ELEV. (FT. NGVD): MID  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.02  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.04

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	0.17	0.17	99.83
7	-1.50	2.800	0.51	0.51	99.49
10	-1.00	2.000	1.39	1.39	98.61
14	-0.50	1.400	3.15	3.15	96.85
18	0.00	1.000	6.81	6.81	93.19
25	0.50	0.710	13.50	13.50	86.50
35	1.00	0.500	25.75	25.74	74.26
45	1.50	0.355	51.97	51.96	48.04
60	2.00	0.250	84.53	84.51	15.49
80	2.50	0.180	95.48	95.46	4.54
120	3.00	0.125	97.68	97.66	2.34
170	3.50	0.090	97.92	97.90	2.10
200	3.75	0.075	98.00	97.98	2.02
230	4.00	0.063	99.01	98.99	1.01
PAN			100.01	99.99	0.01

PHI (5): -0.25            PHI (16): 0.60            PHI (25): 0.97  
PHI (50): 1.46            PHI (75): 1.85            PHI (84): 1.99  
PHI (95): 2.48

SIEVE LOSS (g): 0.01            SILT/CLAY: 2.02%  
SKEWNESS: -0.499            KURTOSIS: 1.263

GRAPHIC METHOD

MEAN (PHI): 1.26            SORTING: 0.69  
MEAN (mm) : 0.42            MEDIAN (mm): 0.36  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.33            SORTING: 0.83  
MEAN (mm) : 0.40

DATA FILE NAME: CIJP-00-06 MID.TAB

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

SAMPLE NO.: CIJP-00-06  
SAMPLE ELEV. (FT. NGVD): TOP  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.95  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.21

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	0.10	0.10	99.90
7	-1.50	2.800	0.40	0.40	99.60
10	-1.00	2.000	1.02	1.02	98.98
14	-0.50	1.400	2.38	2.38	97.62
18	0.00	1.000	4.75	4.75	95.25
25	0.50	0.710	10.01	10.02	89.98
35	1.00	0.500	20.67	20.68	79.32
45	1.50	0.355	45.85	45.87	54.13
60	2.00	0.250	86.09	86.13	13.87
80	2.50	0.180	96.56	96.61	3.39
120	3.00	0.125	96.64	96.69	3.31
170	3.50	0.090	98.09	98.14	1.86
200	3.75	0.075	98.19	98.24	1.76
230	4.00	0.063	99.07	99.12	0.88
PAN			99.95	100.00	0.00

PHI (5): 0.02 PHI (16): 0.78 PHI (25): 1.09  
PHI (50): 1.55 PHI (75): 1.86 PHI (84): 1.97  
PHI (95): 2.42

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.76%  
SKEWNESS: -0.550 KURTOSIS: 1.267

GRAPHIC METHOD

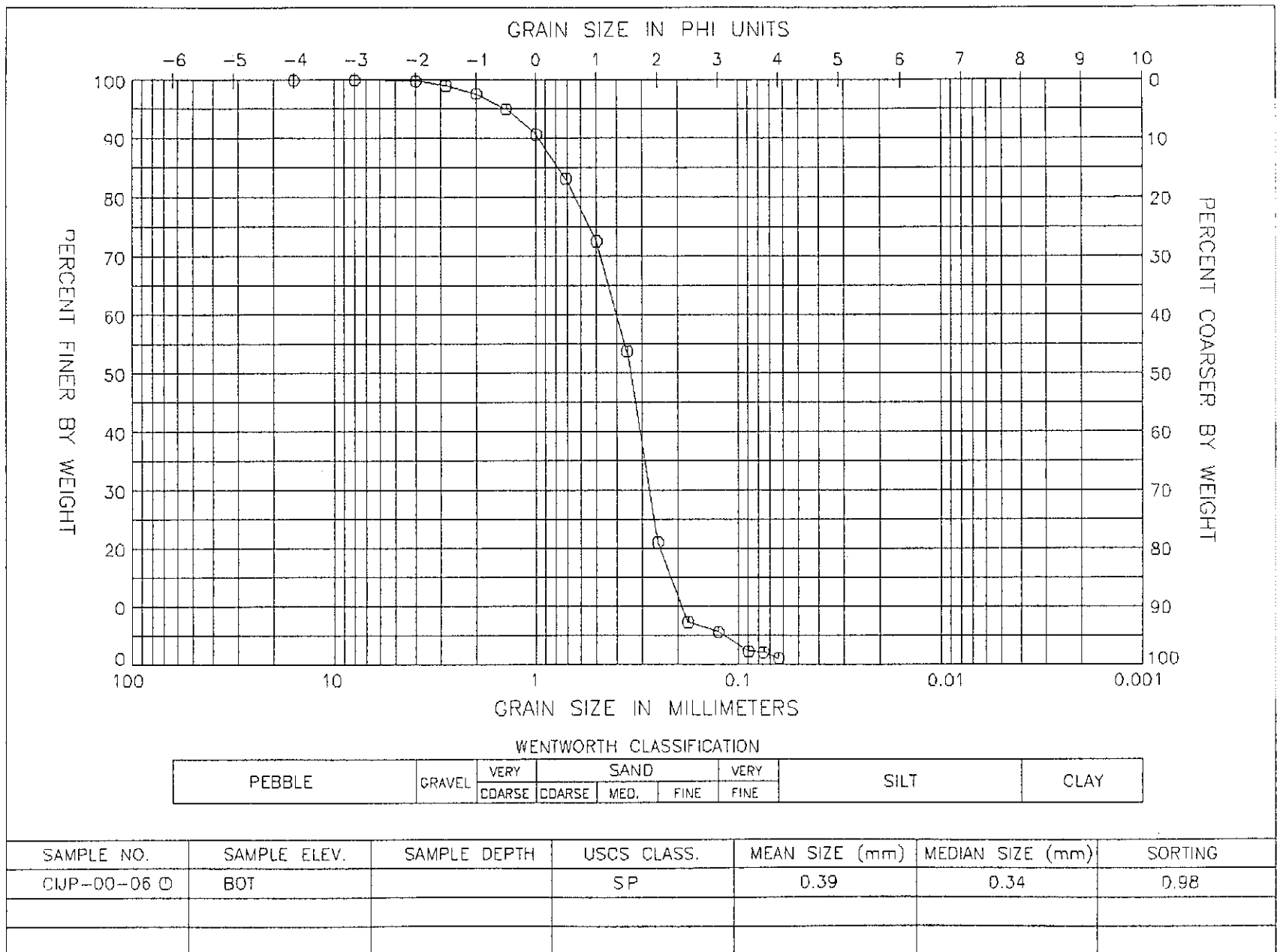
MEAN (PHI): 1.35 SORTING: 0.60  
MEAN (mm): 0.39 MEDIAN (mm): 0.34  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

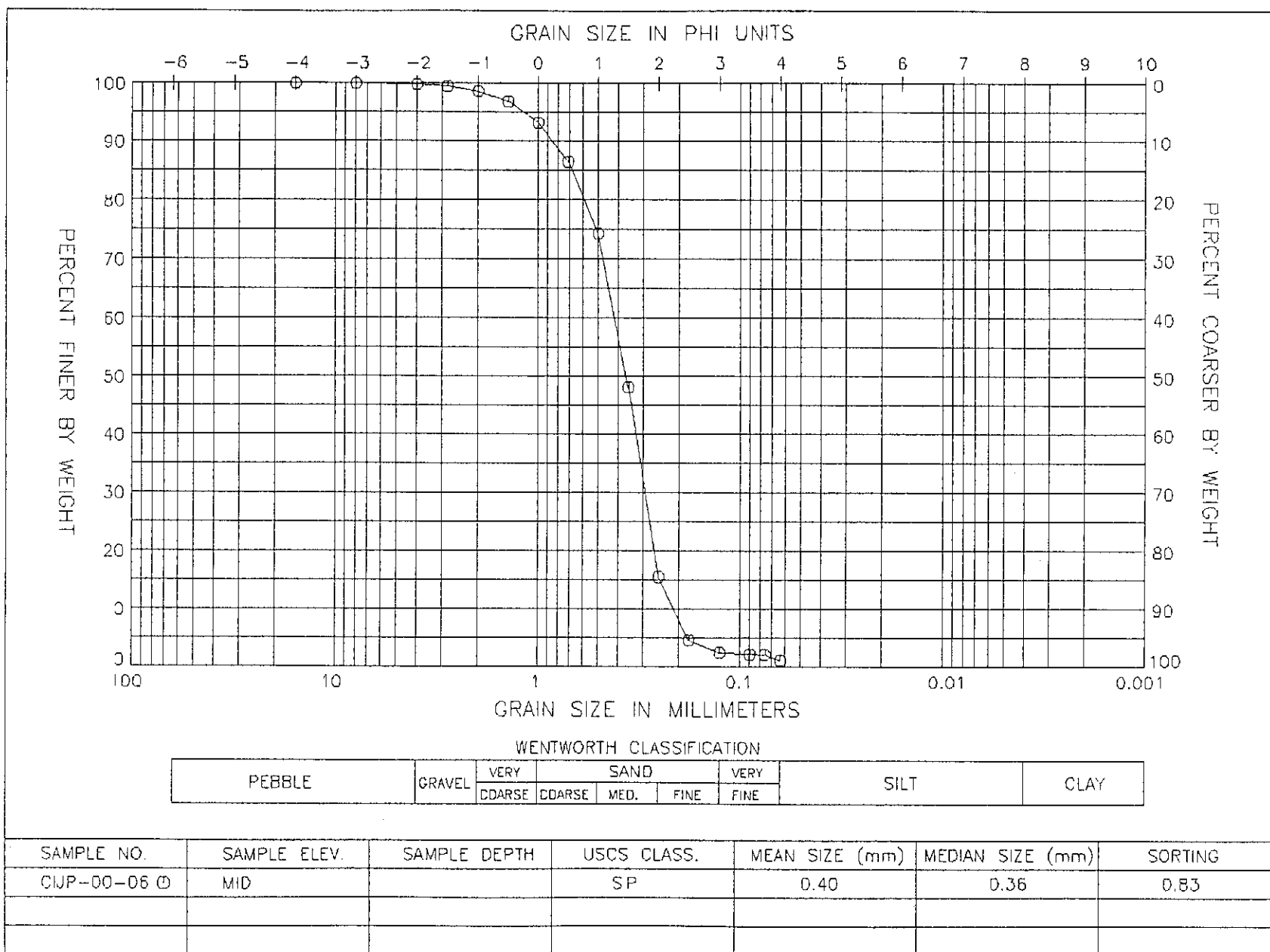
MEAN (PHI): 1.42 SORTING: 0.76  
MEAN (mm): 0.37

DATA FILE NAME: CIJP-00-06 TOP.TAB

# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA JET PROBES

