

# JET PROBE LOG

**PROJECT: CAPTIVA JET PROBES**

**JET PROBE: CIJP-00-11**

**COORDINATES:**

N = 560621.69

E = 805391.66

**DATE:** 5/2/00

**START TIME:** 1617

**END TIME:** 1622

**WATER DEPTH:** 27.2'

**TOP DIVER:** CM

**BOTTOM DIVER:** TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 5.0' 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"	-32.2	1		
		2		
		3		SAND, little shell hash, trace silt, gray (5Y-5/1).
		4		
	-32.2	5		
	-33.2	6		ROCK
WEATHER:  WIND: DIR: NW SPEED: 5-10 KT.  WAVES: DIR: W HEIGHT: 1 ft  CURRENT: DIR: NONE SPEED: NONE		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
		22		TOP: 0.69 mm; 1.8% silt
		23		MID: 0.55 mm; 1.6% silt
		24		BOTTOM: 0.34 mm; 2.4% silt
TURBIDITY: TOP (0' - 3'): LOW BOTTOM (3' - 5'): LOW				
DRAWN BY: TT      CHECKED BY: SK COMM.NO: 8402.41				

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

SAMPLE NO.: CIJP-00-11  
SAMPLE ELEV. (FT. NGVD): BOT  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS):    99.90  
SAMPLE WEIGHT AFTER WASH (GRAMS):    97.48

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	0.02	0.02	99.98
7	-1.50	2.800	0.54	0.54	99.46
10	-1.00	2.000	1.54	1.54	98.46
14	-0.50	1.400	3.82	3.82	96.18
18	0.00	1.000	8.05	8.06	91.94
25	0.50	0.710	14.56	14.57	85.43
35	1.00	0.500	24.40	24.42	75.58
45	1.50	0.355	37.41	37.45	62.55
60	2.00	0.250	62.07	62.13	37.87
80	2.50	0.180	82.90	82.98	17.02
120	3.00	0.125	96.63	96.73	3.27
170	3.50	0.090	97.37	97.47	2.53
200	3.75	0.075	97.45	97.55	2.45
230	4.00	0.063	98.68	98.78	1.22
PAN			99.89	99.99	0.01

PHI (5): -0.36            PHI (16): 0.57            PHI (25): 1.02  
PHI (50): 1.75            PHI (75): 2.31            PHI (84): 2.54  
PHI (95): 2.94

SIEVE LOSS (g):    0.01            SILT/CLAY:    2.45%  
SKEWNESS:           -0.475            KURTOSIS:    1.051

GRAPHIC METHOD

MEAN (PHI): 1.49            SORTING:    0.98  
MEAN (mm) : 0.36            MEDIAN (mm):    0.30  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.58            SORTING:    1.00  
MEAN (mm) : 0.34

DATA FILE NAME: CIJP-00-11 BOT.TAB

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

SAMPLE NO.: CIJP-00-11  
SAMPLE ELEV. (FT. NGVD): MID  
SAMPLE DEPTH (FT.):  
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.00  
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.37

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	0.46	0.46	99.54
7	-1.50	2.800	1.50	1.50	98.50
10	-1.00	2.000	4.21	4.21	95.79
14	-0.50	1.400	11.50	11.50	88.50
18	0.00	1.000	21.74	21.74	78.26
25	0.50	0.710	36.43	36.43	63.57
35	1.00	0.500	51.95	51.95	48.05
45	1.50	0.355	66.79	66.79	33.21
60	2.00	0.250	85.62	85.62	14.38
80	2.50	0.180	95.63	95.63	4.37
120	3.00	0.125	95.98	95.98	4.02
170	3.50	0.090	98.33	98.33	1.67
200	3.75	0.075	98.35	98.35	1.65
230	4.00	0.063	99.18	99.18	0.82
PAN			99.99	99.99	0.01

PHI (5): -0.95            PHI (16): -0.28            PHI (25): 0.11  
PHI (50): 0.94            PHI (75): 1.72            PHI (84): 1.96  
PHI (95): 2.47

SIEVE LOSS (g): 0.01            SILT/CLAY: 1.65%  
SKEWNESS: -0.157            KURTOSIS: 0.871

GRAPHIC METHOD

MEAN (PHI): 0.83            SORTING: 1.12  
MEAN (mm) : 0.56            MEDIAN (mm): 0.52  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.88            SORTING: 1.10  
MEAN (mm) : 0.55

DATA FILE NAME: CIJP-00-11 MID.TAB

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

SAMPLE NO.: CIJP-00-11  
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): 98.21

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	2.24	2.24	97.76
7	-1.50	2.800	4.70	4.70	95.30
10	-1.00	2.000	10.20	10.20	89.80
14	-0.50	1.400	19.53	19.53	80.47
18	0.00	1.000	31.75	31.74	68.26
25	0.50	0.710	46.16	46.15	53.85
35	1.00	0.500	62.55	62.54	37.46
45	1.50	0.355	78.04	78.02	21.98
60	2.00	0.250	90.33	90.31	9.69
80	2.50	0.180	96.09	96.07	3.93
120	3.00	0.125	98.09	98.07	1.93
170	3.50	0.090	98.18	98.16	1.84
200	3.75	0.075	98.19	98.17	1.83
230	4.00	0.063	99.10	99.09	0.91
PAN			100.01	99.99	0.01

PHI (5): -1.47            PHI (16): -0.69            PHI (25): -0.28  
PHI (50): 0.62            PHI (75): 1.40            PHI (84): 1.74  
PHI (95): 2.41

SIEVE LOSS (g): 0.01            SILT/CLAY: 1.83%  
SKEWNESS: -0.124            KURTOSIS: 0.947

GRAPHIC METHOD

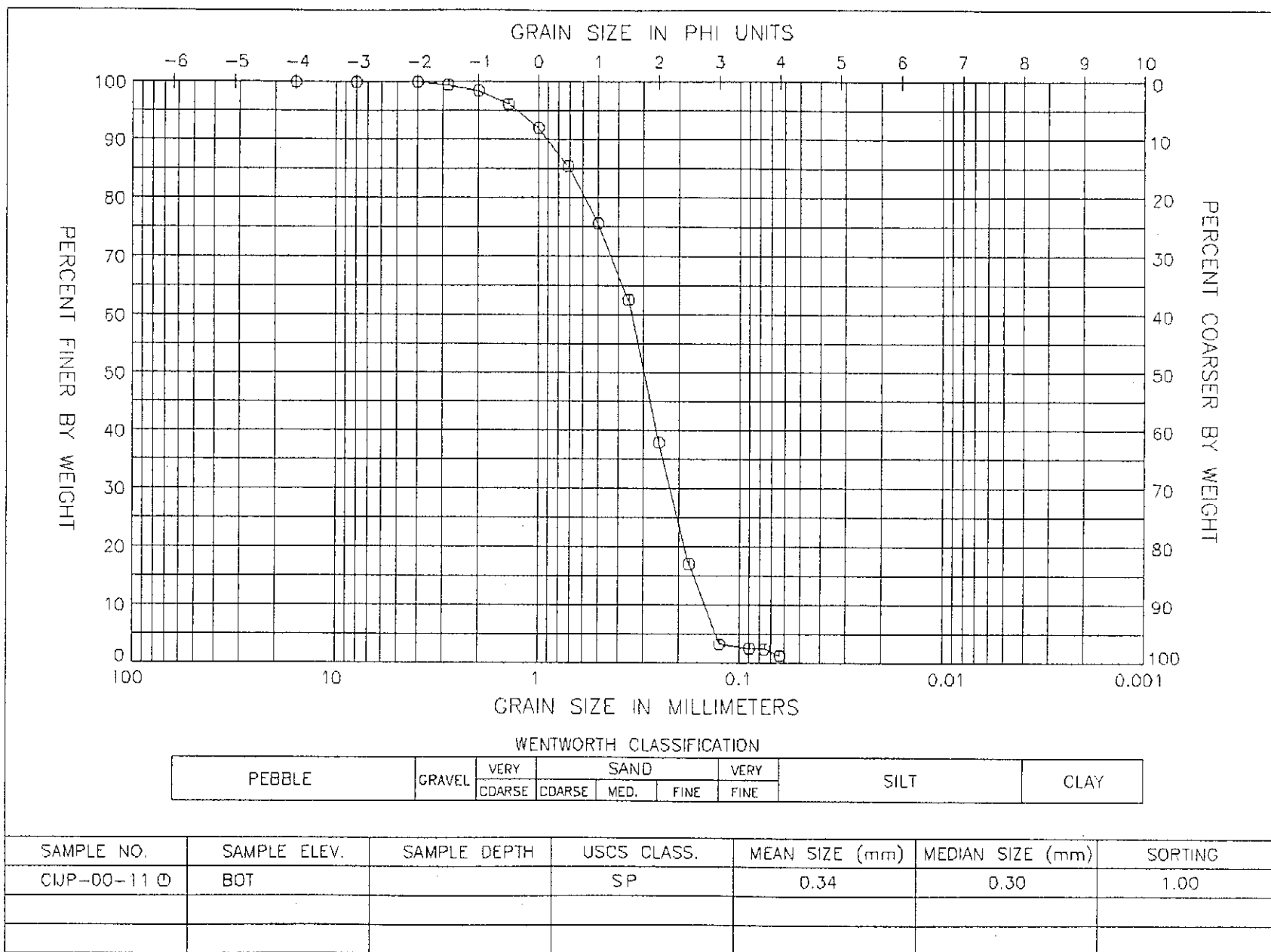
MEAN (PHI): 0.52            SORTING: 1.22  
MEAN (mm): 0.70            MEDIAN (mm): 0.65  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

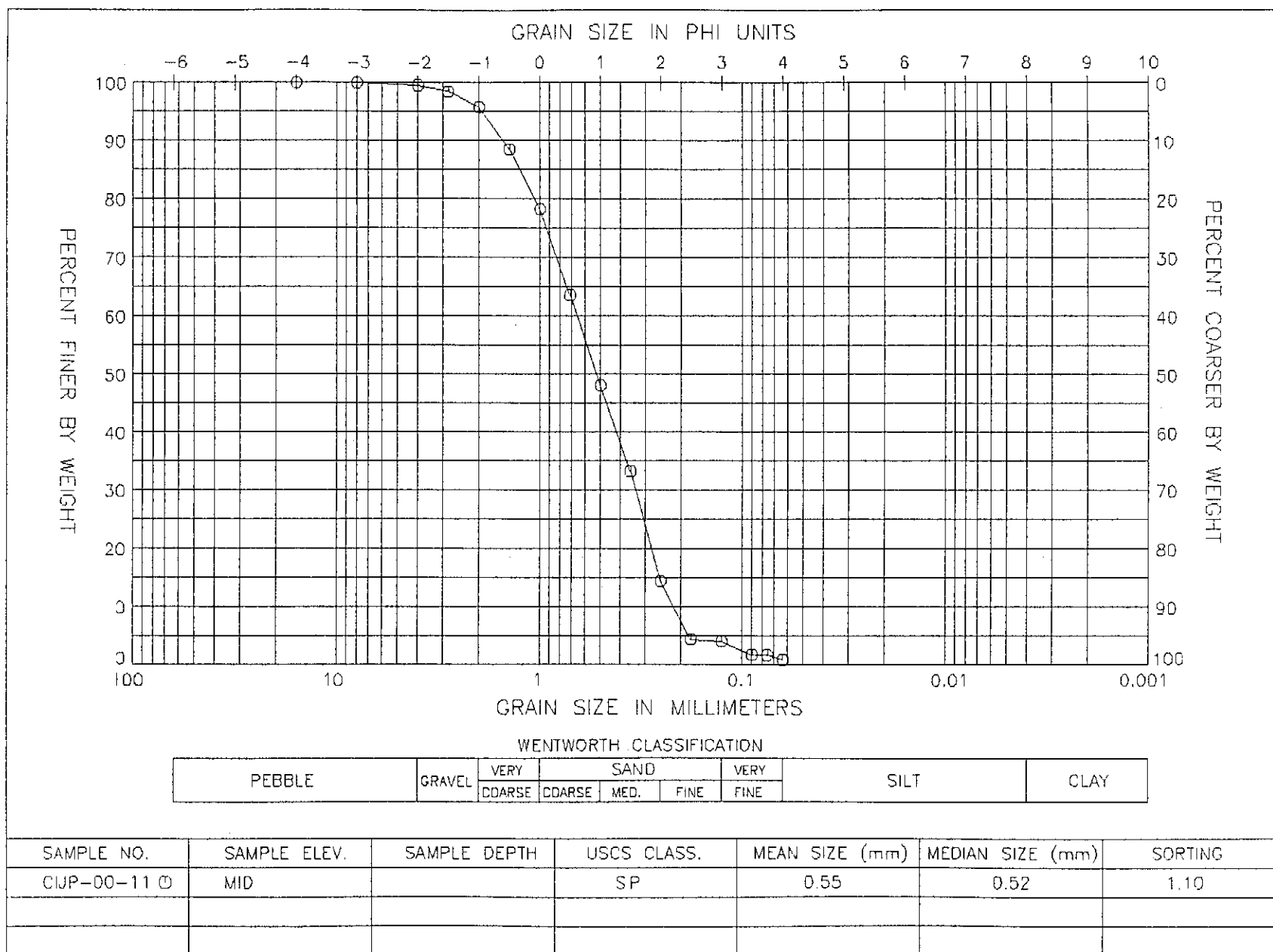
MEAN (PHI): 0.53            SORTING: 1.19  
MEAN (mm): 0.69

DATA FILE NAME: CIJP-00-11 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA JET PROBES



# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



# GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES

