

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-28

COORDINATES:

N = 534439.64

E = 745799.30

DATE: 5/11/00

START TIME: 1224

END TIME: 1228

WATER DEPTH: 31.0'

TOP DIVER: CK

BOTTOM DIVER: JA

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 18.5' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-31	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		
		5		
		6		
		7		
WEATHER: WIND: DIR: VARIABLE SPEED: <5 KT WAVES: DIR: VARIABLE HEIGHT: <1 CURRENT: DIR: NONE SPEED: NONE		8		
		9		
		10		SAND, fine grained, some shell hash (shell hash layers @ 5.0' and 9.0'), gray (5Y-6/1)
		11		
		12		
		13		
		14		
		15		
		16		
		17		
	-49.5	18		
	-50.5	19		ROCK
		20		
		21		SAND SAMPLES
		22		TOP: 0.37 mm; 0.4% silt
		23		MID: 0.37 mm; 1.5% silt
		24		BOTTOM: 0.29 mm; 1.5% silt
TURBIDITY: TOP (0' - 10'): LOW BOTTOM (10' - 18.5'): LOW				
DRAWN BY: TT COMM.NO: 8410.02				
CHECKED BY: SK				

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

SAMPLE NO.: CIJP-00-28
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.24

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	0.26	0.26	99.74
7	-1.50	2.800	0.61	0.61	99.39
10	-1.00	2.000	1.16	1.16	98.84
14	-0.50	1.400	2.11	2.12	97.88
18	0.00	1.000	3.47	3.48	96.52
25	0.50	0.710	5.96	5.98	94.02
35	1.00	0.500	11.53	11.57	88.43
45	1.50	0.355	24.05	24.14	75.86
60	2.00	0.250	54.05	54.25	45.75
80	2.50	0.180	88.34	88.66	11.34
120	3.00	0.125	97.61	97.96	2.04
170	3.50	0.090	97.64	97.99	2.01
200	3.75	0.075	98.20	98.55	1.45
230	4.00	0.063	98.92	99.28	0.72
PAN			99.62	99.98	0.02

PHI (5): 0.30 PHI (16): 1.18 PHI (25): 1.51
PHI (50): 1.93 PHI (75): 2.30 PHI (84): 2.43
PHI (95): 2.84

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.45%
SKEWNESS: -0.569 KURTOSIS: 1.321

GRAPHIC METHOD

MEAN (PHI): 1.74 SORTING: 0.63
MEAN (mm): 0.30 MEDIAN (mm): 0.26
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.79 SORTING: 0.80
MEAN (mm): 0.29

DATA FILE NAME: CIJP-00-28 BOT.TAB

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

SAMPLE NO.: CIJP-00-28
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.40

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	0.06	0.06	99.94
7	-1.50	2.800	0.49	0.49	99.51
10	-1.00	2.000	1.41	1.41	98.59
14	-0.50	1.400	2.91	2.91	97.09
18	0.00	1.000	5.32	5.33	94.67
25	0.50	0.710	10.78	10.79	89.21
35	1.00	0.500	20.95	20.97	79.03
45	1.50	0.355	42.35	42.39	57.61
60	2.00	0.250	78.59	78.67	21.33
80	2.50	0.180	96.82	96.92	3.08
120	3.00	0.125	98.34	98.44	1.56
170	3.50	0.090	98.40	98.50	1.50
200	3.75	0.075	98.40	98.50	1.50
230	4.00	0.063	99.15	99.25	0.75
PAN			99.90	100.00	0.00

PHI(5): -0.07	PHI(16): 0.76	PHI(25): 1.09
PHI(50): 1.60	PHI(75): 1.95	PHI(84): 2.15
PHI(95): 2.45		

SIEVE LOSS(g): 0.00	SILT/CLAY: 1.50%
SKEWNESS: -0.597	KURTOSIS: 1.205

GRAPHIC METHOD

MEAN (PHI): 1.38	SORTING: 0.70
MEAN (mm) : 0.38	MEDIAN (mm): 0.33

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.45	SORTING: 0.79
MEAN (mm) : 0.37	

DATA FILE NAME: CIJP-00-28 MID.TAB

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

SAMPLE NO.: CIJP-00-28
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.82
SAMPLE WEIGHT AFTER WASH (GRAMS): 99.47

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	1.23	1.23	98.77
10	-1.00	2.000	1.78	1.78	98.22
14	-0.50	1.400	3.06	3.07	96.93
18	0.00	1.000	5.44	5.45	94.55
25	0.50	0.710	10.23	10.25	89.75
35	1.00	0.500	21.35	21.39	78.61
45	1.50	0.355	43.64	43.72	56.28
60	2.00	0.250	78.90	79.04	20.96
80	2.50	0.180	96.24	96.41	3.59
120	3.00	0.125	99.14	99.32	0.68
170	3.50	0.090	99.16	99.34	0.66
200	3.75	0.075	99.43	99.61	0.39
230	4.00	0.063	99.63	99.80	0.20
PAN			99.81	99.99	0.01

PHI (5): -0.09 PHI (16): 0.76 PHI (25): 1.08
PHI (50): 1.59 PHI (75): 1.94 PHI (84): 2.14
PHI (95): 2.46

SIEVE LOSS (g): 0.01 SILT/CLAY: 0.39%
SKEWNESS: -0.587 KURTOSIS: 1.214

GRAPHIC METHOD

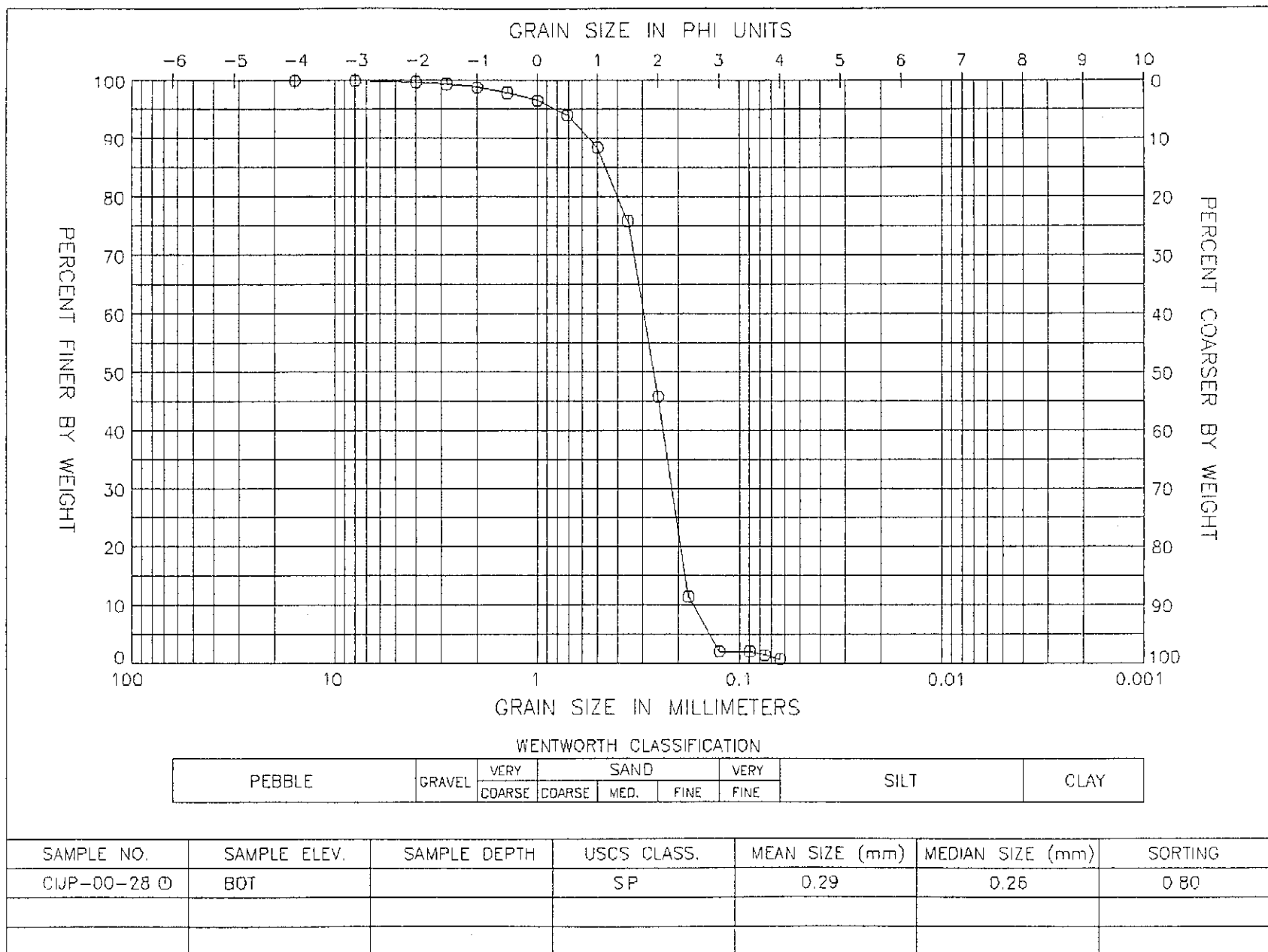
MEAN (PHI): 1.37 SORTING: 0.69
MEAN (mm): 0.39 MEDIAN (mm): 0.33
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

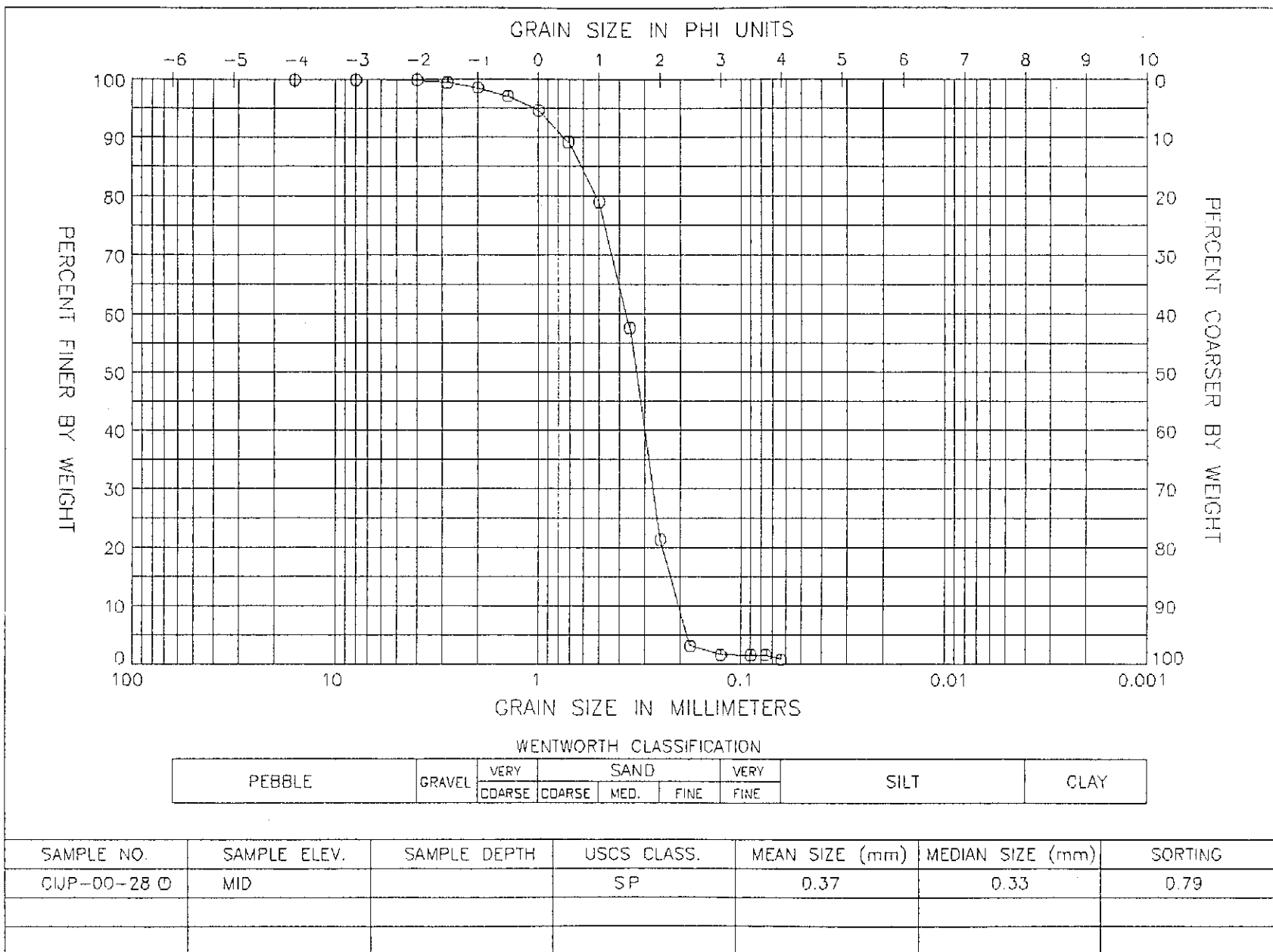
MEAN (PHI): 1.43 SORTING: 0.83
MEAN (mm): 0.37

DATA FILE NAME: CIJP-00-28 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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