

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-02

COORDINATES:

N = 580000.57

E = 817832.26

NAD 83 - LA, SOUTH ZONE

DATE: 5/2/00

START TIME: 1033

END TIME: 1037

WATER DEPTH: 20.0'

TOP DIVER: CM

BOTTOM DIVER: TT

NOTES	ELEV.	DEPTH	SYMBOL	DESCRIPTION
LENGTH OF PVC PIPE: 20.0' PENETRATION DEPTH: 9.0' JET PUMP TYPE: Briggs and Stratton 3.0 hp GAL/HR: 8460 DIAMETER OF PIPE: 1.5"	-20	0		SEA FLOOR
		1		
		2		SAND, fine grained, trace silt, some shell hash, white (5Y-8/1)
		3		
SUPPORT VESSEL: CPE II	-24	4		
POSITIONING: DIFFERENTIAL GPS USCG BEACON		5		
NAVIGATION SYSTEM: "HYPACK"		6		SAND, fine grained, trace shell hash/shell fragments & whole shells, trace silt, light gray (5Y-7/1)
		7		
WEATHER		8		
WIND:		9		
DIR: SE		10		
SPEED: 8-10 KT.	-29			
WAVES:				
DIR: SE	-30			ROCK
HIEGHT: 1 - 2 ft				
		11		
CURRENT:		12		
DIR: E		13		
SPEED: 1/2 KT		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY:		22		TOP: 0.14mm, 3.0% silt
TOP (0' - 8'): MOD				MID: 0.25mm, 2.8% silt
BOTTOM (8' - 9'): HIGH				BOTTOM: 0.20mm, 2.2% silt
		23		
DRAWN BY: TT	CHECKED BY: SK	24		
COMM NO: 8402.41				

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

SAMPLE NO.: CIJP-00-02
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.13
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.28

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	0.14	0.14	99.86
7	-1.50	2.800	0.74	0.74	99.26
10	-1.00	2.000	2.04	2.04	97.96
14	-0.50	1.400	3.81	3.81	96.19
18	0.00	1.000	5.86	5.85	94.15
25	0.50	0.710	8.95	8.94	91.06
35	1.00	0.500	12.52	12.50	87.50
45	1.50	0.355	16.20	16.18	83.82
60	2.00	0.250	23.68	23.65	76.35
80	2.50	0.180	39.73	39.68	60.32
120	3.00	0.125	73.69	73.59	26.41
170	3.50	0.090	96.27	96.15	3.85
200	3.75	0.075	97.89	97.76	2.24
230	4.00	0.063	99.07	98.95	1.05
PAN			100.12	99.99	0.01

PHI (5): -0.21 PHI (16): 1.48 PHI (25): 2.04
PHI (50): 2.65 PHI (75): 3.03 PHI (84): 3.23
PHI (95): 3.47

SIEVE LOSS (g): 0.01 SILT/CLAY: 2.24%
SKEWNESS: -1.161 KURTOSIS: 1.526

GRAPHIC METHOD

MEAN (PHI): 2.12 SORTING: 0.88
MEAN (mm) : 0.23 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.32 SORTING: 1.10
MEAN (mm) : 0.20

DATA FILE NAME: CIJP-00-02 BOT.TAB

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

SAMPLE NO.: CIJP-00-02
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.08
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.36

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	2.69	2.69	97.31
7	-1.50	2.800	5.09	5.09	94.91
10	-1.00	2.000	7.44	7.43	92.57
14	-0.50	1.400	10.38	10.37	89.63
18	0.00	1.000	14.04	14.03	85.97
25	0.50	0.710	18.61	18.60	81.40
35	1.00	0.500	23.60	23.58	76.42
45	1.50	0.355	28.77	28.75	71.25
60	2.00	0.250	33.02	32.99	67.01
80	2.50	0.180	39.49	39.46	60.54
120	3.00	0.125	62.02	61.97	38.03
170	3.50	0.090	95.17	95.09	4.91
200	3.75	0.075	97.23	97.15	2.85
230	4.00	0.063	98.72	98.64	1.36
PAN			100.08	100.00	0.00

PHI (5): -1.52 PHI (16): 0.22 PHI (25): 1.14
PHI (50): 2.73 PHI (75): 3.20 PHI (84): 3.33
PHI (95): 3.50

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.85%
SKEWNESS: -1.119 KURTOSIS: 0.998

GRAPHIC METHOD

MEAN (PHI): 1.65 SORTING: 1.56
MEAN (mm): 0.32 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.02 SORTING: 1.60
MEAN (mm): 0.25

DATA FILE NAME: CIJP-00-02 MID.TAB

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

SAMPLE NO.: CIJP-00-02
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.96
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.25

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	0.20	0.20	99.80
7	-1.50	2.800	0.76	0.76	99.24
10	-1.00	2.000	1.30	1.30	98.70
14	-0.50	1.400	1.79	1.79	98.21
18	0.00	1.000	2.32	2.32	97.68
25	0.50	0.710	3.13	3.13	96.87
35	1.00	0.500	3.91	3.91	96.09
45	1.50	0.355	4.61	4.61	95.39
60	2.00	0.250	5.62	5.62	94.38
80	2.50	0.180	7.23	7.23	92.77
120	3.00	0.125	51.34	51.36	48.64
170	3.50	0.090	93.86	93.90	6.10
200	3.75	0.075	96.99	97.03	2.97
230	4.00	0.063	98.60	98.63	1.37
PAN			99.95	99.99	0.01

PHI (5): 1.69 PHI (16): 2.60 PHI (25): 2.70
PHI (50): 2.98 PHI (75): 3.28 PHI (84): 3.38
PHI (95): 3.59

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.97%
SKEWNESS: -0.879 KURTOSIS: 1.348

GRAPHIC METHOD

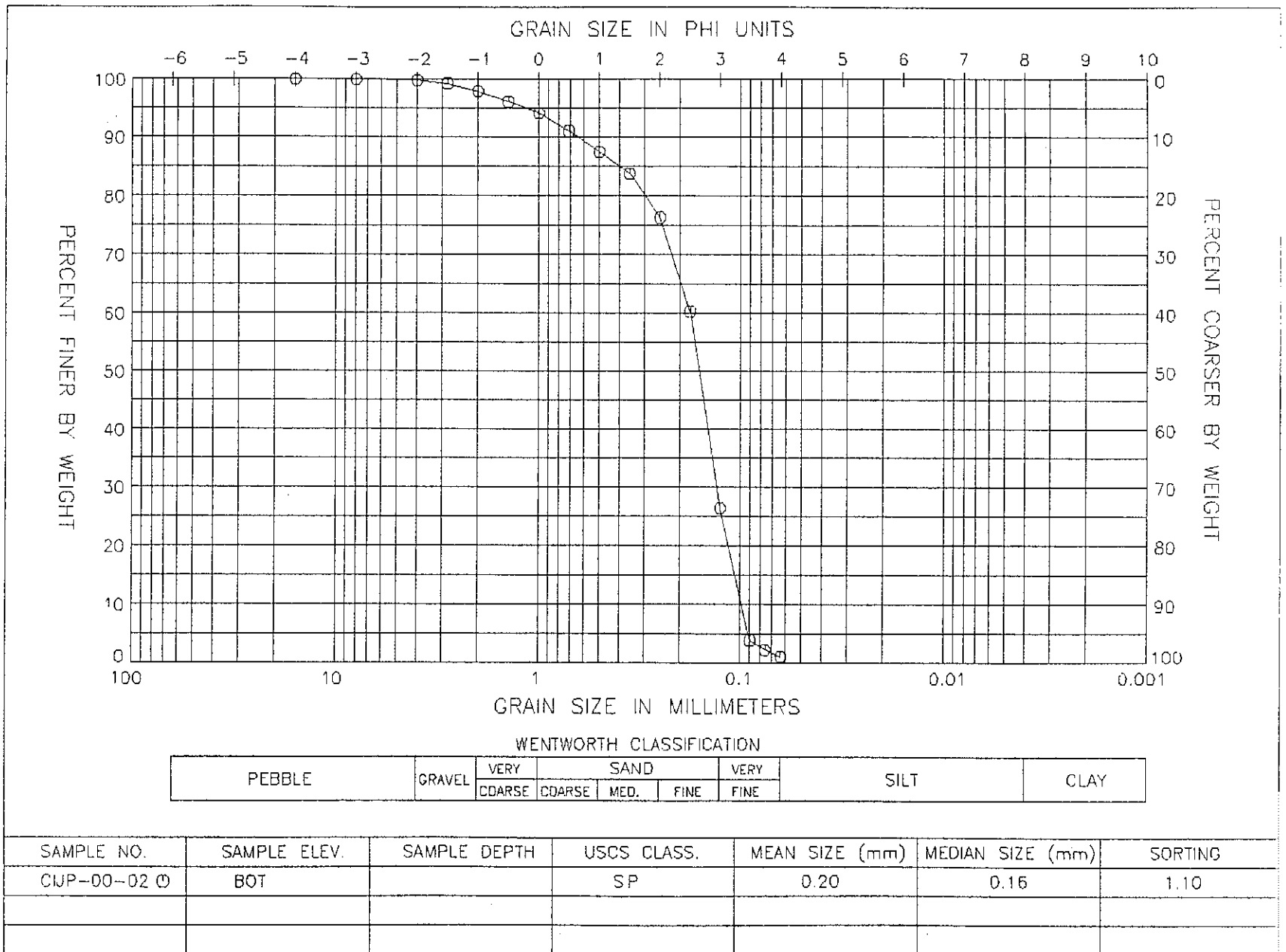
MEAN (PHI): 2.85 SORTING: 0.39
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

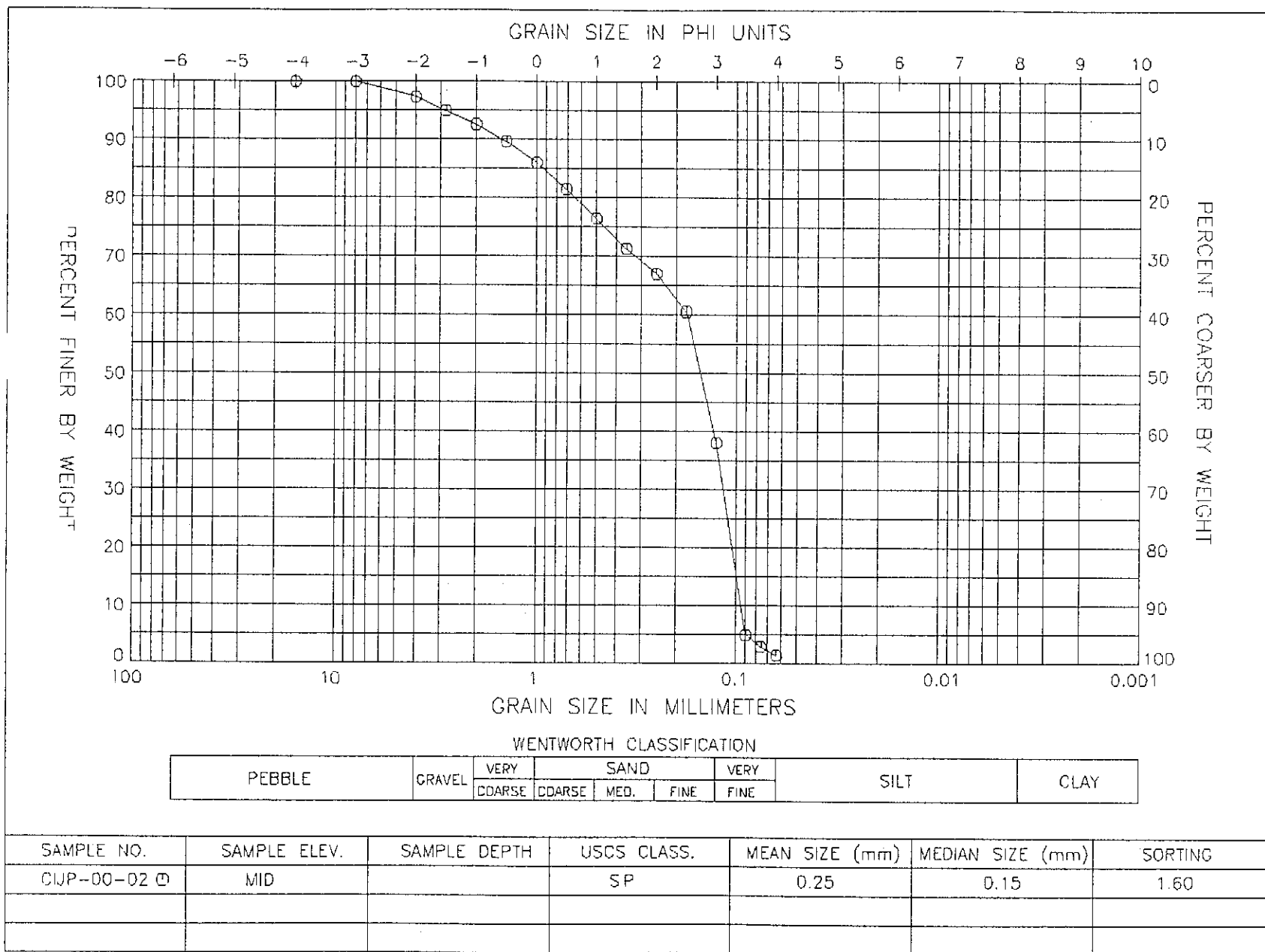
MEAN (PHI): 2.85 SORTING: 0.79
MEAN (mm): 0.14

DATA FILE NAME: CIJP-00-02 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



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