

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-07

COORDINATES:

N = 564778.04

E = 829692.03

DATE: 5/2/00

START TIME: 1436

END TIME: 1441

WATER DEPTH: - 23.0'

TOP DIVER: CM

BOTTOM DIVER: 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"	-21	0		SEA FLOOR
SUPPORT VESSEL: CPE II POSITIONING: DIFFERENTIAL GPS USCG BEACON NAVIGATION SYSTEM: "HYPACK"		1		
		2		
		3		
		4		SAND, fine grained, little shell hash, gray (5Y-6/1).
		5		
		6		
WEATHER: WIND: DIR: SE SPEED: 8-10 KT.	-28	7		
		8		SAND, little shell hash and shell fragments, gray (5Y-6/1).
	-30	9		
WAVES: DIR: NE HEIGHT: 1 ft		10		RUBBLE, with sand, light gray (5Y-7/1).
	-32	11		
CURRENT: DIR: E SPEED: SLIGHT	-33	12		ROCK
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		SAND SAMPLES
TURBIDITY: TOP (0' - 5'): LOW BOTTOM (5' - 11'): LOW		22		TOP: 0.37 mm (visual estimate)
		23		MID: 0.30 mm (visual estimate)
DRAWN BY: TT COMM NO: 8402.41		24		BOTTOM: 0.20 mm (visual estimate)

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

SAMPLE NO.: CIJP-00-07
SAMPLE ELEV. (FT. NGVD): BOT
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.33

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	0.17	0.17	99.83
7	-1.50	2.800	1.10	1.10	98.90
10	-1.00	2.000	2.53	2.53	97.47
14	-0.50	1.400	4.61	4.61	95.39
18	0.00	1.000	4.62	4.62	95.38
25	0.50	0.710	7.06	7.06	92.94
35	1.00	0.500	10.51	10.51	89.49
45	1.50	0.355	14.74	14.74	85.26
60	2.00	0.250	21.91	21.91	78.09
80	2.50	0.180	39.41	39.41	60.59
120	3.00	0.125	58.65	58.65	41.35
170	3.50	0.090	80.61	80.61	19.39
200	3.75	0.075	96.02	96.02	3.98
230	4.00	0.063	98.14	98.14	1.86
PAN			99.99	99.99	0.01

PHI (5): 0.08 PHI (16): 1.59 PHI (25): 2.09
PHI (50): 2.78 PHI (75): 3.37 PHI (84): 3.55
PHI (95): 3.73

SIEVE LOSS(g): 0.01 SILT/CLAY: 3.98%
SKEWNESS: -0.884 KURTOSIS: 1.167

GRAPHIC METHOD

MEAN (PHI): 2.35 SORTING: 0.98
MEAN (mm): 0.20 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.48 SORTING: 1.17
MEAN (mm): 0.18

DATA FILE NAME: CIJP-00-07 BOT.TAB

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

SAMPLE NO.: CIJP-00-07
SAMPLE ELEV. (FT. NGVD): MID
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.95
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.77

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	0.65	0.65	99.35
7	-1.50	2.800	1.71	1.71	98.29
10	-1.00	2.000	3.46	3.46	96.54
14	-0.50	1.400	6.62	6.62	93.38
18	0.00	1.000	10.26	10.27	89.73
25	0.50	0.710	14.64	14.65	85.35
35	1.00	0.500	20.88	20.89	79.11
45	1.50	0.355	31.90	31.92	68.08
60	2.00	0.250	55.21	55.24	44.76
80	2.50	0.180	76.49	76.53	23.47
120	3.00	0.125	92.26	92.31	7.69
170	3.50	0.090	96.96	97.01	2.99
200	3.75	0.075	97.68	97.73	2.27
230	4.00	0.063	98.83	98.88	1.12
PAN			99.94	99.99	0.01

PHI (5): -0.76 PHI (16): 0.61 PHI (25): 1.19
PHI (50): 1.89 PHI (75): 2.46 PHI (84): 2.74
PHI (95): 3.29

SIEVE LOSS (g): 0.01 SILT/CLAY: 2.27%
SKEWNESS: -0.585 KURTOSIS: 1.297

GRAPHIC METHOD

MEAN (PHI): 1.55 SORTING: 1.06
MEAN (mm): 0.34 MEDIAN (mm): 0.27
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.67 SORTING: 1.16
MEAN (mm): 0.31

DATA FILE NAME: CIJP-00-07 MID.TAB

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

SAMPLE NO.: CIJP-00-07
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.23
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.76

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	1.85	1.85	98.15
10	-1.00	2.000	3.79	3.78	96.22
14	-0.50	1.400	6.74	6.72	93.28
18	0.00	1.000	10.23	10.21	89.79
25	0.50	0.710	15.18	15.15	84.85
35	1.00	0.500	22.59	22.54	77.46
45	1.50	0.355	39.10	39.01	60.99
60	2.00	0.250	72.82	72.65	27.35
80	2.50	0.180	90.65	90.44	9.56
120	3.00	0.125	96.89	96.67	3.33
170	3.50	0.090	97.63	97.41	2.59
200	3.75	0.075	97.73	97.51	2.49
230	4.00	0.063	98.99	98.76	1.24
PAN			100.23	100.00	0.00

PHI (5): -0.79	PHI (16): 0.56	PHI (25): 1.07
PHI (50): 1.66	PHI (75): 2.07	PHI (84): 2.32
PHI (95): 2.87		

SIEVE LOSS (g): 0.00	SILT/CLAY: 2.49%
SKEWNESS: -0.712	KURTOSIS: 1.513

GRAPHIC METHOD

MEAN (PHI): 1.32	SORTING: 0.88
MEAN (mm): 0.40	MEDIAN (mm): 0.32

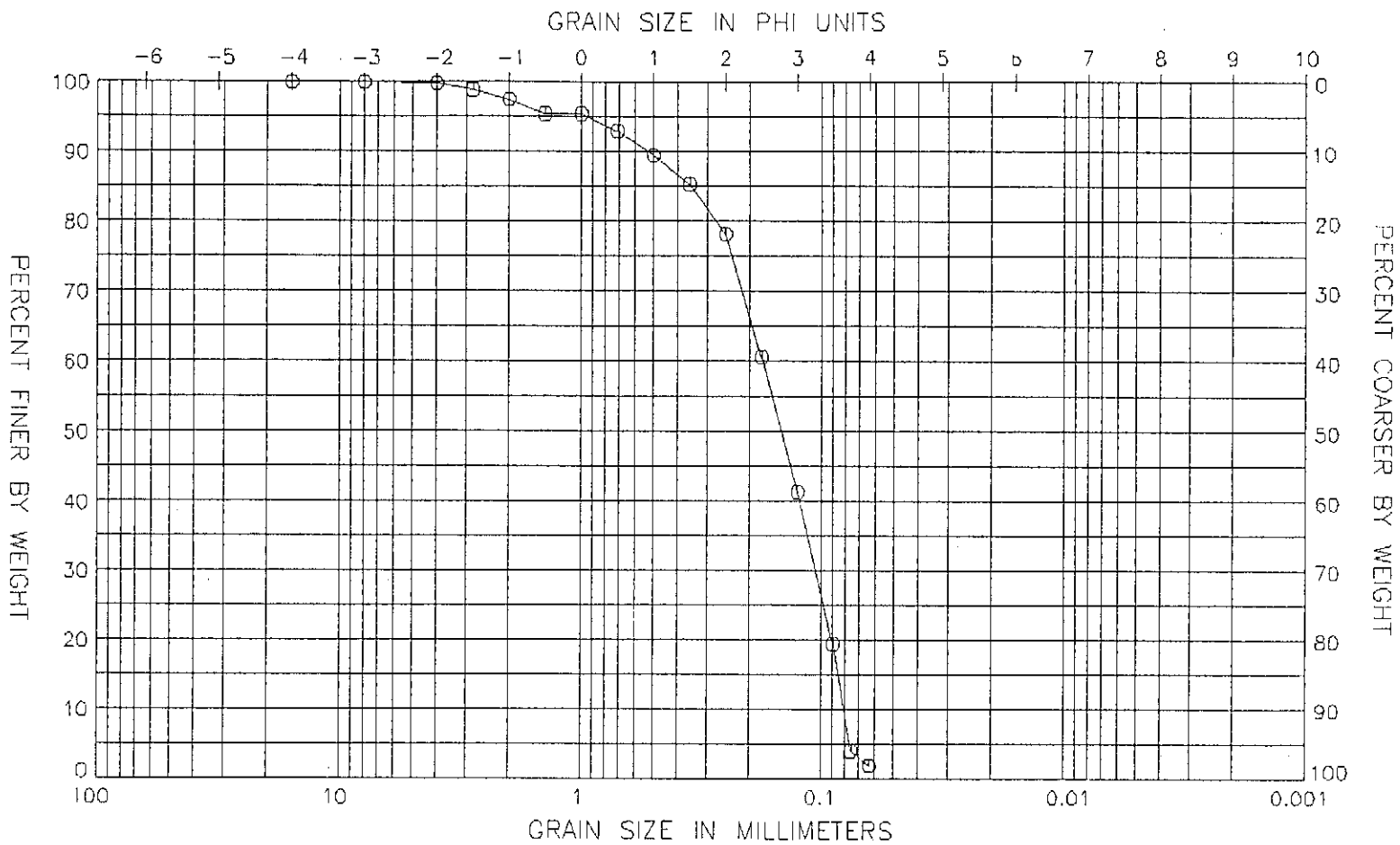
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.43	SORTING: 1.05
MEAN (mm): 0.37	

DATA FILE NAME: CIJP-00-07 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES

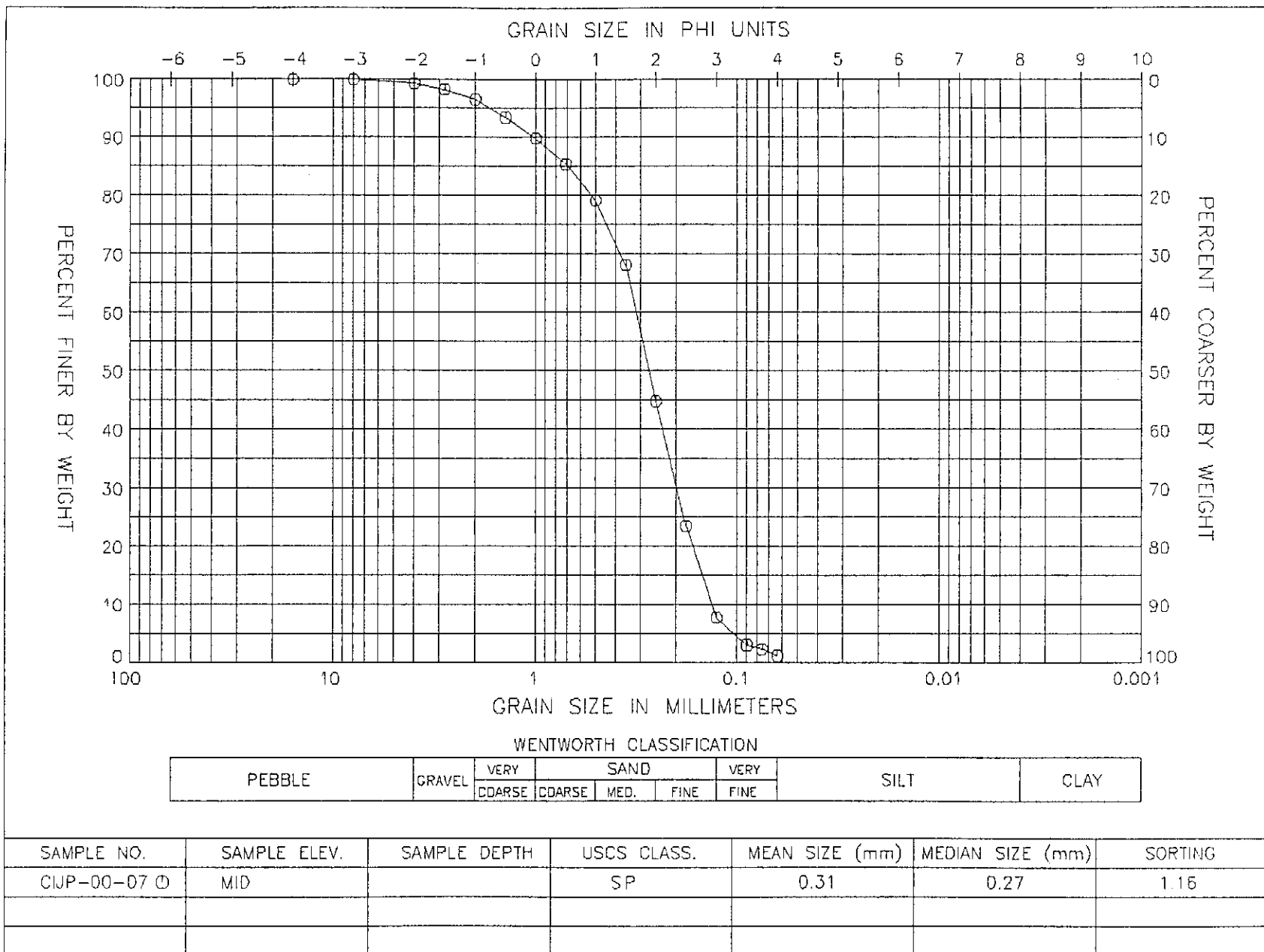


WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	VERY	SAND			VERY	SILT	CLAY
		COARSE	COARSE	MED.	FINE	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CJP-00-07 0	BOT		SP	0.18	0.15	1.17

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES



GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES

