

JET PROBE LOG

PROJECT: CAPTIVA JET PROBES

JET PROBE: CIJP-00-04

COORDINATES:

N = 566919.17

E = 840786.77

DATE: 5/2/00

START TIME: 1244

END TIME: 1249

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, some shell hash, trace silt, light gray (5Y-7/1).
	-23	3		
SUPPORT VESSEL: CPE II	-24	4		SAND, fine grained, little shell hash, little clay.
POSITIONING: DIFFERENTIAL GPS USCG BEACON		5		
NAVIGATION SYSTEM: "HYPACK"		6		
		7		
WEATHER:		8		SAND, fine grained, little shell hash, little silt, light gray (5Y-7/1).
WIND:		9		
DIR: SE	-29	10		
SPEED: 5-10 KT.		11		
		12		
WAVES:	-30	13		ROCK
DIR: S		14		
HIEGHT: 1 ft		15		
		16		
CURRENT:		17		
DIR: NONE		18		
SPEED: NONE		19		
		20		
		21		SAND SAMPLES
		22		TOP: 0.14 mm; 3.5% silt
		23		MID:
		24		BOTTOM:
TURBIDITY:				
TOP (0' - 3'): LOW				
BOTTOM (3' - 9'): MOD				
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-00-04
SAMPLE ELEV. (FT. NGVD): TOP
SAMPLE DEPTH (FT.):
SAMPLE TYPE: SURFACE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 96.56
SAMPLE WEIGHT AFTER WASH (GRAMS): 93.63

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	0.05	0.05	99.95
7	-1.50	2.800	0.51	0.53	99.47
10	-1.00	2.000	1.13	1.17	98.83
14	-0.50	1.400	1.96	2.03	97.97
18	0.00	1.000	2.52	2.61	97.39
25	0.50	0.710	3.24	3.36	96.64
35	1.00	0.500	4.14	4.29	95.71
45	1.50	0.355	5.37	5.56	94.44
60	2.00	0.250	9.41	9.75	90.25
80	2.50	0.180	16.75	17.35	82.65
120	3.00	0.125	35.65	36.92	63.08
170	3.50	0.090	89.95	93.15	6.85
200	3.75	0.075	93.18	96.50	3.50
230	4.00	0.063	95.04	98.42	1.58
PAN			96.56	100.00	0.00

PHI (5): 1.28 PHI (16): 2.41 PHI (25): 2.70
PHI (50): 3.12 PHI (75): 3.34 PHI (84): 3.42
PHI (95): 3.64

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.50%
SKEWNESS: -1.306 KURTOSIS: 1.503

GRAPHIC METHOD

MEAN (PHI): 2.77 SORTING: 0.50
MEAN (mm): 0.15 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.85 SORTING: 0.86
MEAN (mm): 0.14

DATA FILE NAME: CIJP-00-04 TOP.TAB

GRAIN SIZE DISTRIBUTION CURVE CAPTIVA JET PROBES

