

GRADATION ANALYSIS REPORT
VERO BEACH VIBRACORE SAMPLES

FOR: X SOIL CLASSIFICATION X CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

DATE:	11/23/88	11/23/88	11/23/88
CORE #	CB-IR-72 #3	74 @ 4'-6'	77 @ 0-15'

Footnote:	3	2	2
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U.S.C.S.

DESCRIPTION	GM	GM	SP
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DRY WT. (GRAMS)	88.81	132.86	179.51
DRY WT AFTER WASH THROUGH #200 SIEVE	88.09	130.56	171.25

SIEVE SIZE	PHI SIZE	MESH SIZE	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4.0mm	10.23			31.71			1.31		
7	-1.50	2.8mm	5.98	7.74	92.26	8.59	6.58	93.42	0.67	0.39	99.61
10	-1.00	2.0mm	13.12	16.97	83.03	19.31	14.79	85.21	2.61	1.54	98.46
14	-0.50	1.4mm	17.80	23.03	76.97	25.35	25.80	74.20	4.92	2.90	97.10
18	0.00	1.0mm	24.81	32.10	67.90	35.61	36.24	63.76	7.99	4.71	95.29
25	0.50	.71mm	33.31	43.09	56.91	44.00	44.77	55.23	10.87	6.40	93.60
35	1.00	.50mm	45.61	59.00	41.00	60.14	61.20	38.80	18.67	11.00	89.00
45	1.50	.355mm	58.84	76.12	23.88	74.39	75.70	24.30	33.12	19.51	80.49
60	2.00	.250mm	68.21	88.24	11.76	78.51	79.89	20.11	56.15	33.07	66.93
80	2.50	.180mm	73.62	95.24	4.76	81.23	82.66	17.34	63.77	37.56	62.44
120	3.00	.125mm	75.45	97.61	2.39	91.81	93.43	6.57	127.09	74.86	25.14
170	3.50	.090mm	76.86	99.43	0.57	97.22	98.93	1.07	163.70	96.42	3.58
200	3.75	.075mm	77.23	99.91	0.09	98.04	99.77	0.23	167.58	98.70	1.30
230	4.00	.063mm	77.28	99.97	0.03	98.24	99.97	0.03	169.71	99.96	0.04
PAN	5.00		77.30			98.27			169.78		

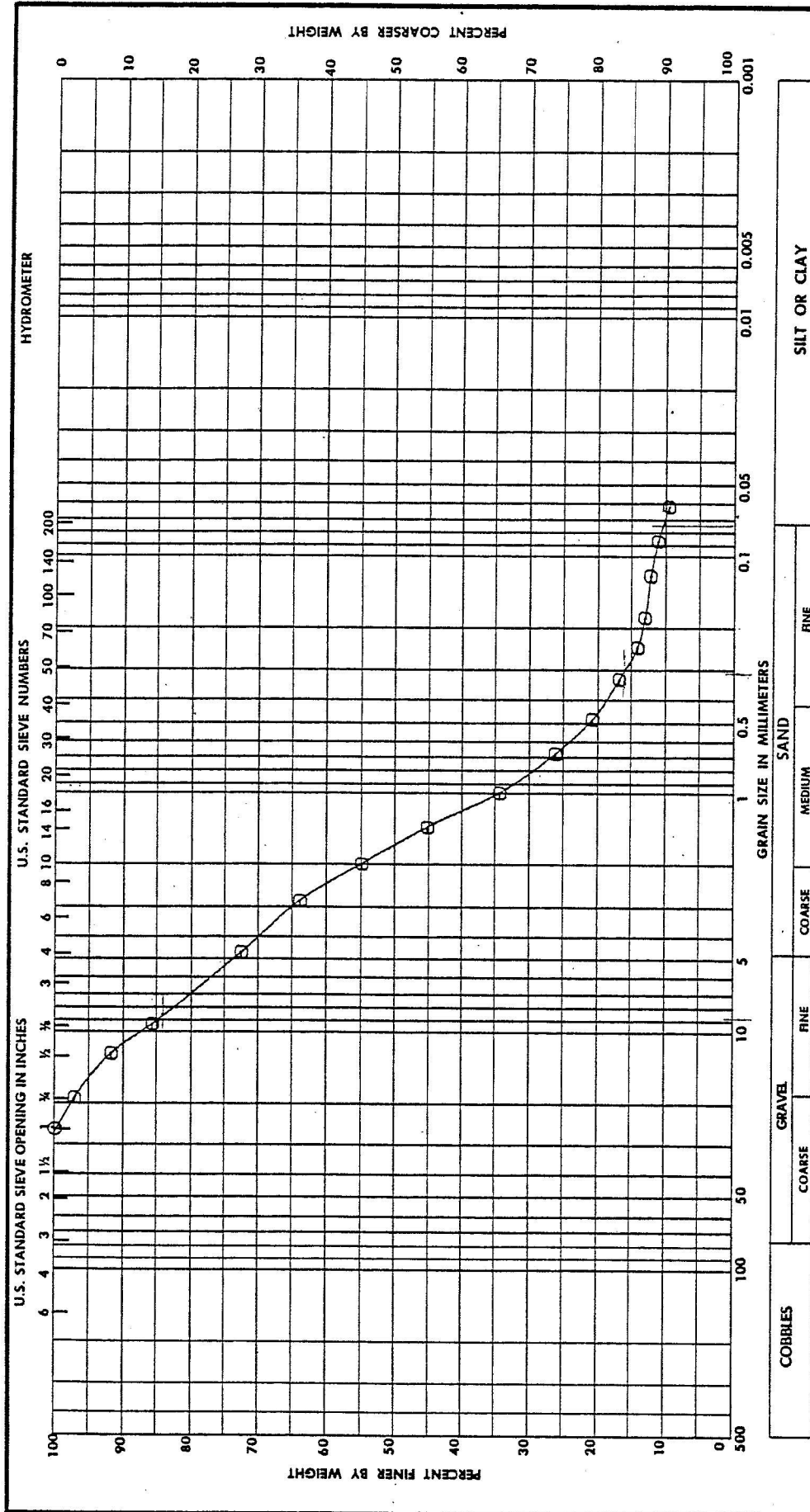
SIEVE LOSS	0.56	0.58	0.16
WEIGHTED AVE(mm)	0.572	0.550	0.170
SILT CLAY%	0.89	1.90	5.83

- Footnotes: 1 Sample taken from portion of vibracore not analyzed by Corps, but corresponding to Corps sample.
- 2 Sample taken from portion of vibracore not analyzed by Corps.
- 3 Washed sample; analyzed by Corps, re-analyzed by Gilloti, Frione & Assoc., Inc.

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

W.O. No. 4606

Req. No. RM-CW-85-0111



Sample No. 1		XRM Depth 8.0		Classification		Poorly Grd Clayey Sand Size Shell (SP-SC) LI. BEIGE. WITH SOME GRAVEL SIZE SHELL & W/A LITTLE SAND. VIS. SHELL # 78.0%		Nat w %		LL 28		PL 15		PI 13	
Project INDIAN RIVER COUNTY B.E.C.															
Area LAB NO. 73/2017															
Boring No. CB-1R-74 SAMPLE NO. 1															
Date 02/11/87															

GRADATION CURVES

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