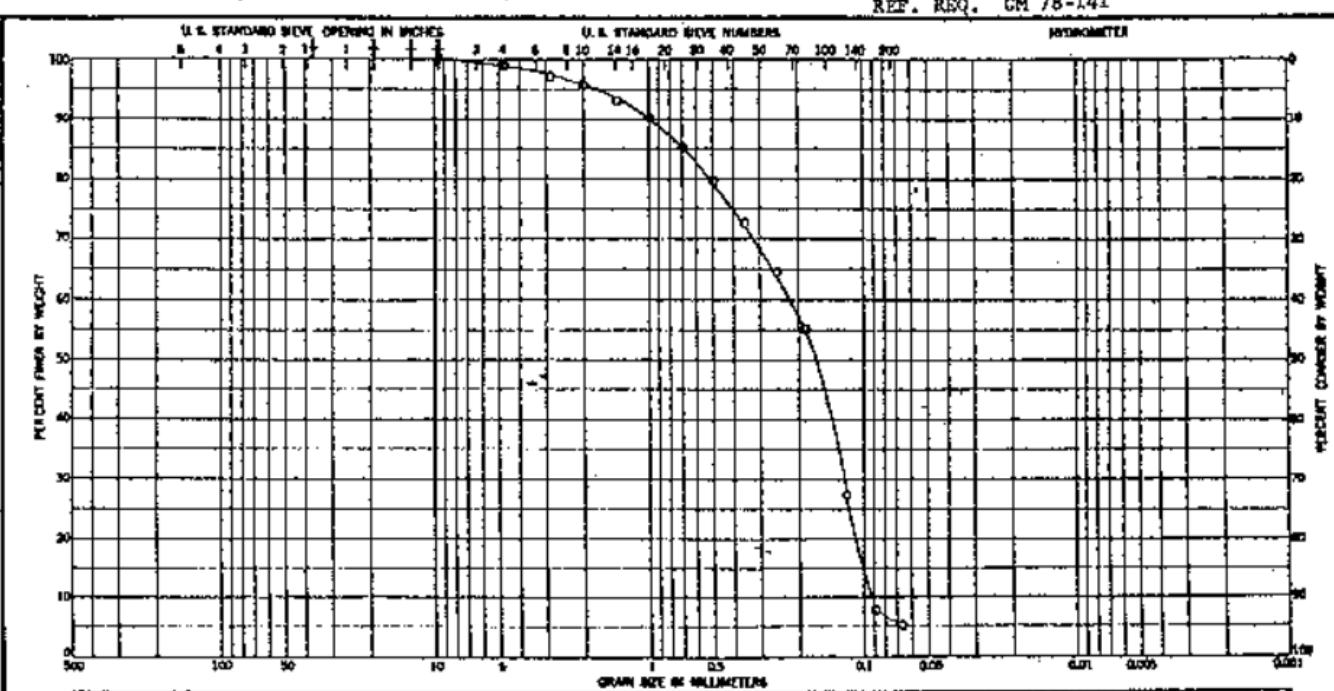


DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District
1. PROJECT North Dade County Beach Erosion Control			
2. LOCATION (Coordinates or Station) Y=700,000 X=580,470			
3. DRILLING AGENCY Corps of Engineers			
4. HOLE NO. (As shown on drawing title) CB-ND-19 and its number:			
5. NAME OF DRILLER R. Gordon			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED DEG. FROM VERT.			
7. THICKNESS OF OVERBURDEN			
8. DEPTH DRILLED INTO ROCK			
9. TOTAL DEPTH OF HOLE 7.3'			
10. SIZE AND TYPE OF BIT N/A			
11. DATUM FOR ELEVATION SHOWN (M.S.L. or M.S.W.) MSL			
12. MANUFACTURER'S DESIGNATION OF DRILL Vibracore			
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN			
14. TOTAL NUMBER CORE BOXES			
15. ELEVATION GROUND WATER Tidal			
16. DATE HOLE STARTED COMPLETED 16 Jun 78 16 Jun 78			
17. ELEVATION TOP OF HOLE -63.5			
18. TOTAL CORE RECOVERY FOR BORING 100 %			
19. Geologist: D. Rosen			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Described)	CORE RECOVERY	SAMPLE NO.	REMARKS
-63.5	0.0		SAND; very fine to medium, silty, shelly, coral fragments from 3.7 to 7.3 (SP-SM)			BIT OR BARREL
-63.5	7.3					-63.5
-70.8	7.3		NOTE: Although the datum for this core boring is marked "MSL", it is likely the actual datum was M.L.W. There is 1.3 foot difference between M.S.L. and M.L.W. This vibracore boring was drilled with equipment of unproven performance. It is believed the shallow refusal depth of this boring is not solely due to the physical character of the sediments encountered.		1	-70.8
			One half of core sample, from elevation -63.5 to -70.8, was scalped over a 1 inch screen. 0.1% by weight, was retained. Visually determined, none of the material retained was shell.			SAMPLE LABORATORY NO. CLASSIFICATION 1 (SP-SM)* *Visual classification based on gradation curve No Atterberg Limits.

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30061

WORK ORDER NO. 1312
Req. No. 08-123-ENG-147-78
REF. REQ. GM 78-141



SAMPLE NO.	TEST NO. OR DEPTH	CLASSIFICATION	WEIGHT X	LL	PL	PI	SOIL OR CLAY	
							TYPE	LAB. NO.
1.	6.5/7.0	Tan poorly graded Silty Sand (SP-SM) with some shell fragments.	-	-	-	-	Project	North-Dade County S.E.C.
	Elev. 70.0770.5	Approximately 27-35% shell.					Lab. No.	73/8690

GRADATION CURVES

Date 26 July 1978