

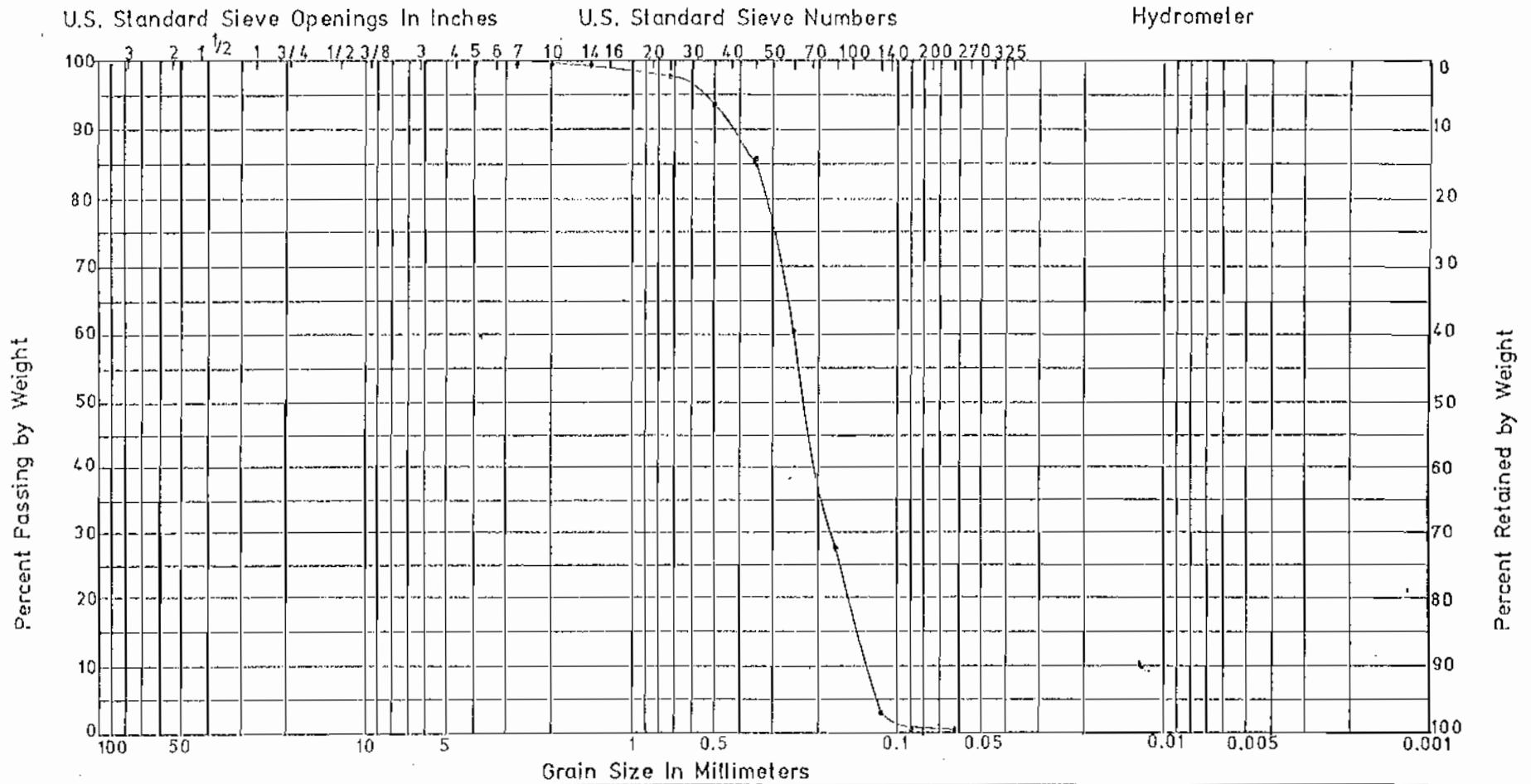
DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH SAND SEARCH		
2. LOCATION (Coordinates or Station)		X=811018.85 Y=777578.83		
3. DRILLING AGENCY:		EXMAR		
4. HOLE NO. (As shown on drawing title and file number)		DB-87-4		
5. NAME OF DRILLER		M.L. CLARK		
6. DIRECTION OF HOLE		VERTICAL		
7. THICKNESS OF BURDEN		0.0 FT		
8. DEPTH DRILLED INTO ROCK		0.0 FT		
9. TOTAL DEPTH OF HOLE		19.0' FT		
10. SIZE AND TYPE OF BIT		3.0"		
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		NGVD		
12. MANUFACTURER'S DESIGNATION OF DRILL		EXMAR		
13. TOT NO. OF OVERBURDEN SAMPLES TAKEN		disturbed: 0.0 undisturbed: 0.0		
14. TOTAL NO. OF CORE BOXES		1		
15. ELEVATION GROUND WATER				
16. DATE HOLE		Started	Completed	
		7/16/87	1330	
17. ELEVATION TOP OF HOLE		-35.0' ft.		
18. TOTAL CORE RECOVERY FOR BORING		99%		
19. SIGNATURE OF GEOLOGIST		FK, KB		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-35	0		2" Shell Layer			SP
	1				1	Sample #1, Depth = 3.0' 0.22 mm, 0.65 phi sorting 1.0% silt
	2					
	3					
	4					
	5					
	6					
	7				2	Sample #2, Depth = 7.0' 0.22 mm, 0.65 phi sorting 0.80% silt
	8					
	9					
	10		SAND, fine grained, with small quantity scattered shell fragments, Gray (SP)			
	11					
	12				3	Sample #3, Depth = 13.0' 0.21 mm, 0.58 phi sorting 0.30% silt
	13					
	14					
	15					
	16					
	17				4	Sample #4, Depth = 17.0' 0.20 mm, 0.58 phi sorting 0.25% silt
	18					
-53.8	19		NO RECOVERY			
	20		End of Boring			
	21					
	22		Note: Soils are classified in accordance with the Unified Soils Classification system.			
	23					
	24					

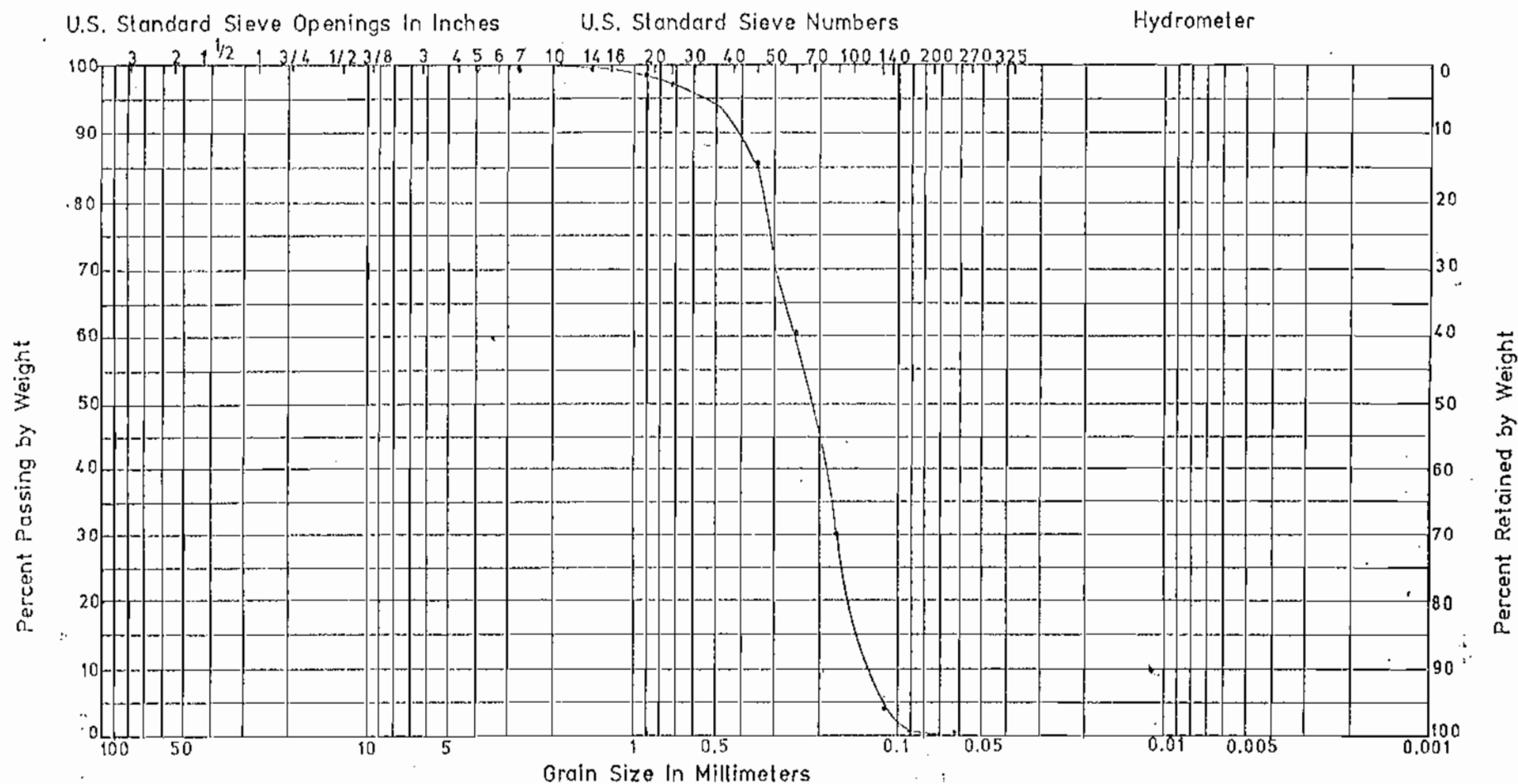
PROJECT: Delray Beach

HOLE NUMBER:

MECHANICAL ANALYSIS CHART



MECHANICAL ANALYSIS CHART



GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
4	GREY POORLY GRADED SAND WITH A TRACE OF SHELL. (SP)
7'	
	MEAN: 0.216MM MEDIAN: 0.21MM SORTING: 0.65

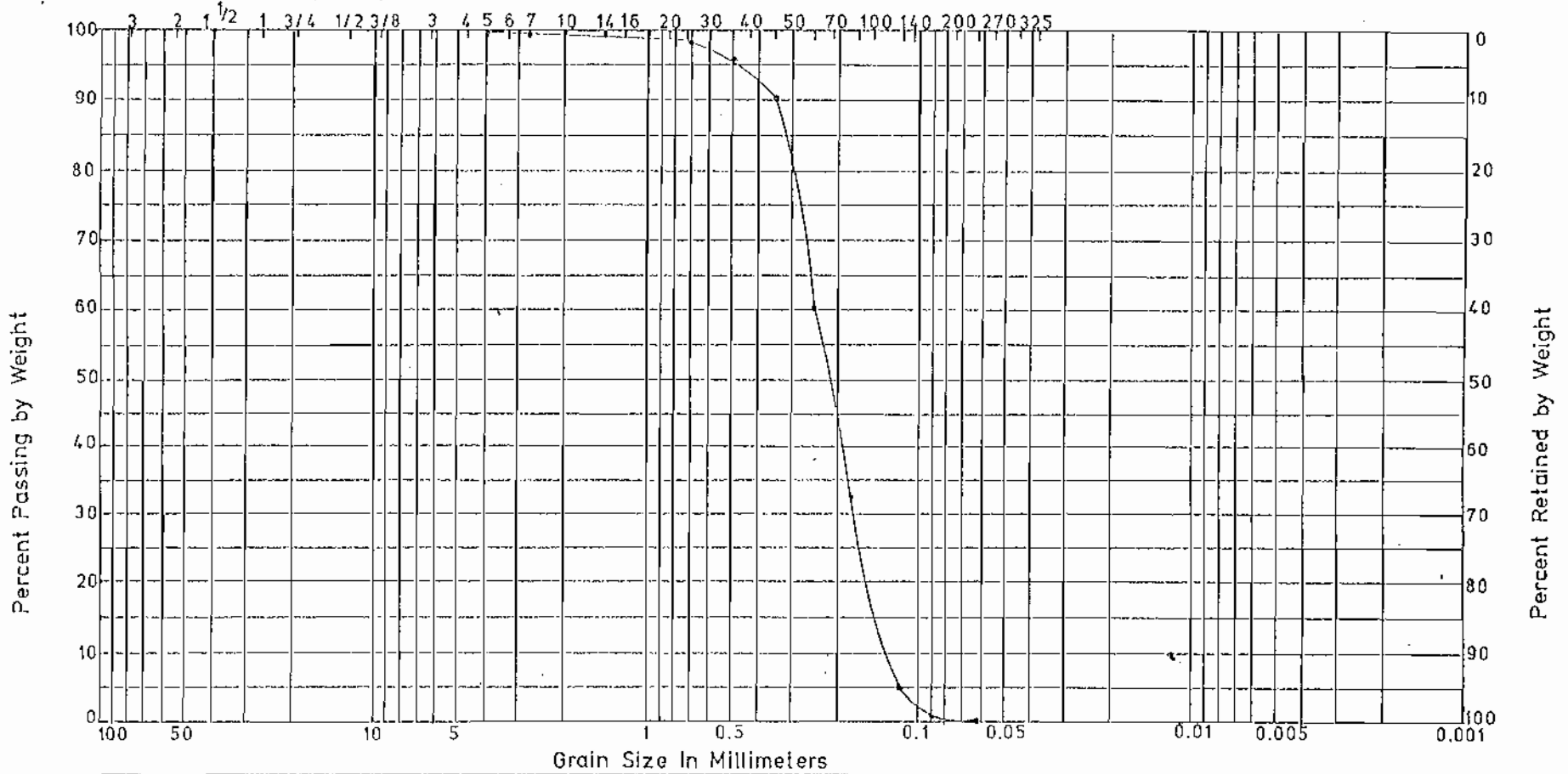
PROJECT:
DELRAY BEACH SAND SEARCH
DATE: JULY 1987

MECHANICAL ANALYSIS CHART

U.S. Standard Sieve Openings In Inches

U.S. Standard Sieve Numbers

Hydrometer



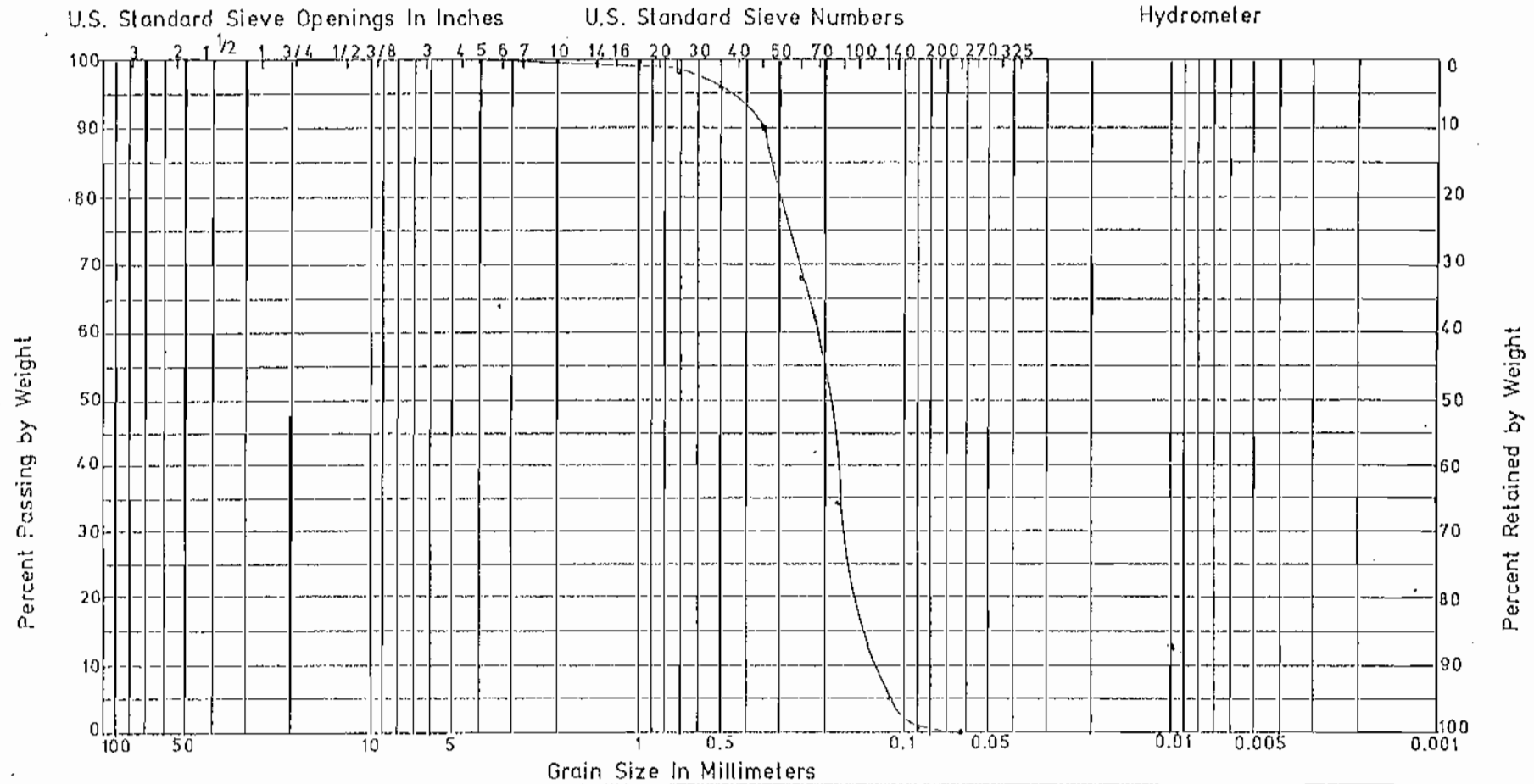
GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
4 13'	GREY POORLY GRADED SAND WITH A TRACE OF SHELL. (SP)
	MEAN: .207MM MEDIAN: .21mm SORTING: .58

PROJECT: DELRAY BEACH SAND SEARCH

DATE: JULY 1987

MECHANICAL ANALYSIS CHART



SAMPLE NO.	CLASSIFICATION
4	GREY POORLY GRADED SAND WITH
17	A TRACE OF SHELL. (SP)
	MEAN: .199mm MEDIAN: .18mm SORTING: .58

PROJECT:	
DELRAY BEACH SAND SEARCH	
DATE:	JULY 1987