

DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH SAND SEARCH		
2. LOCATION		(Coordinates or Station) X= 810483.09 Y= 767302.85		
3. DRILLING AGENCY:		EXMAR		
4. HOLE NO.		(As shown on drawing title and file number) DB-87-15		
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		14.5 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				
15. ELEVATION GROUND WATER				
16. DATE HOLE		Started Completed 7/18/87 0900		
17. ELEVATION TOP OF HOLE		-60.0 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
-60	0					SP
	1		SAND, fine grained, with scattered shell fragments, Gray (SP)		1	Sample #1, Depth = 2.0' 0.23 mm, 0.08 phi sorting 0.10% silt
-63	3		shell layer, (SP) from -63.0' to -63.4'			
	4		fine grained, with scattered shell fragments, Gray (SP) from -63.4' to -66.0'		2	Sample #2, Depth = 6.0' 0.21 mm, 0.06 phi sorting 0.02% silt
-66	6					
	7		fine grained, with shell fragments, Gray (SP) from -66.0' to -69.6'		3	Sample #3, Depth = 9.0' 0.20 mm, 0.05 phi sorting 0.70% silt
-69.6	9					
	10		shell layer (SP) from -69.6 to -70.0'			
	11					
	12		fine grained, scattered shell fragments, Gray (SP) from -70.0' to -74.3'		4	Sample #4, Depth = 13.0' 0.20 mm, 0.53 phi sorting 0.40% silt
-74.3	14					
	15		NO RECOVERY			
	16		End of Boring			
	17					
	18					
	19					
	20					
	21					
	22		Note: Soils are classified in accordance with the Unified Soils Classification System.			
	23					
	24					

PROJECT: Delray Beach

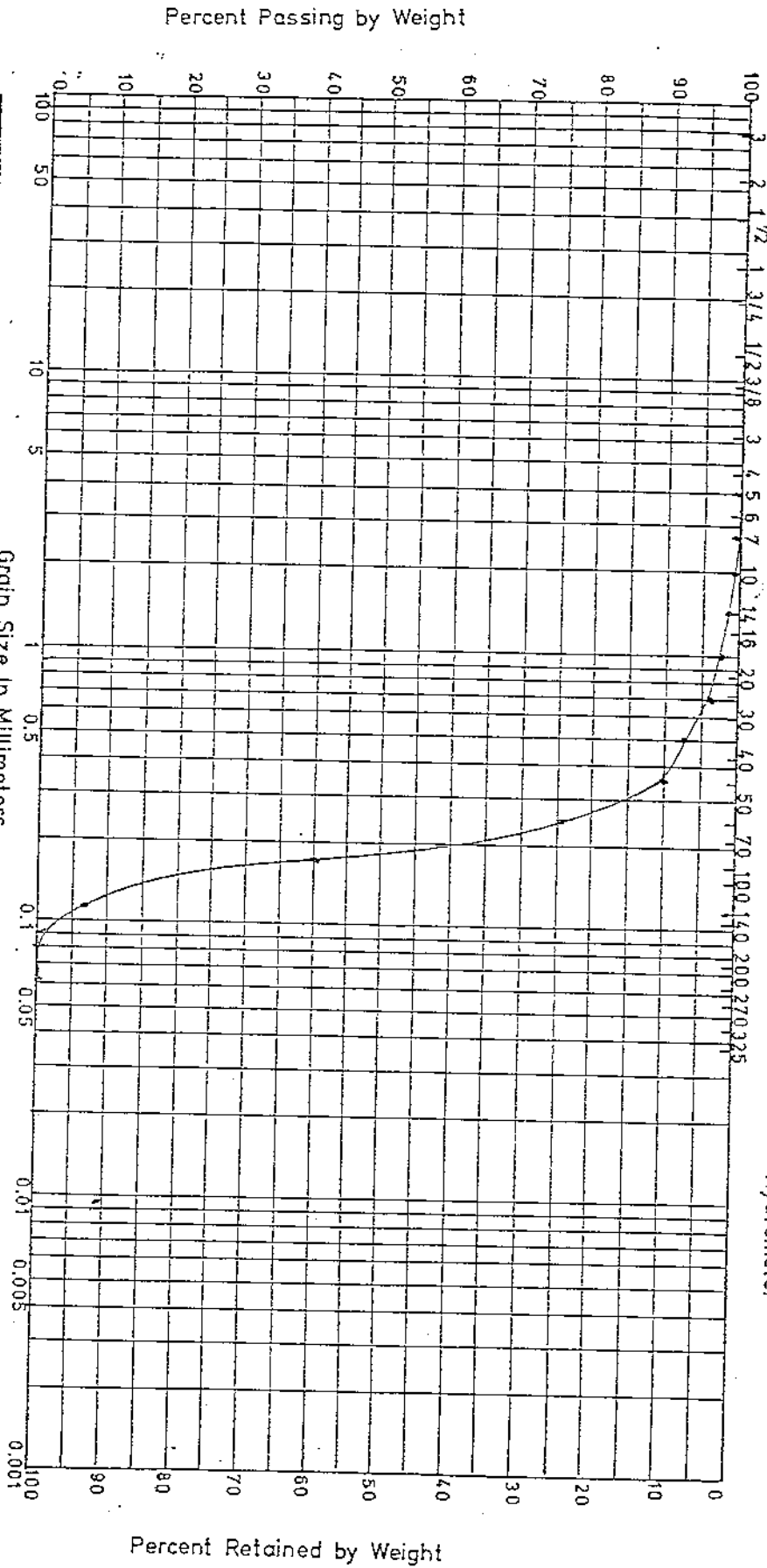
HOLE NUMBER:

MECHANICAL ANALYSIS CHART

U.S. Standard Sieve Openings in Inches

U.S. Standard Sieve Numbers

Hydrometer



Grain Size in Millimeters				
GRAVEL		SAND		SILT or CLAY
Coarse	Fine	Coarse	Medium	

SAMPLE NO.	CLASSIFICATION
15	GREY POORLY GRADED SAND
21	WITH TRACES OF SHELL FRAGMENTS. (SP)
	MEAN: .23MM MEDIAN: .19MM SORTING: .08MM

PROJECT:

DELRAY BEACH SAND SEARCH

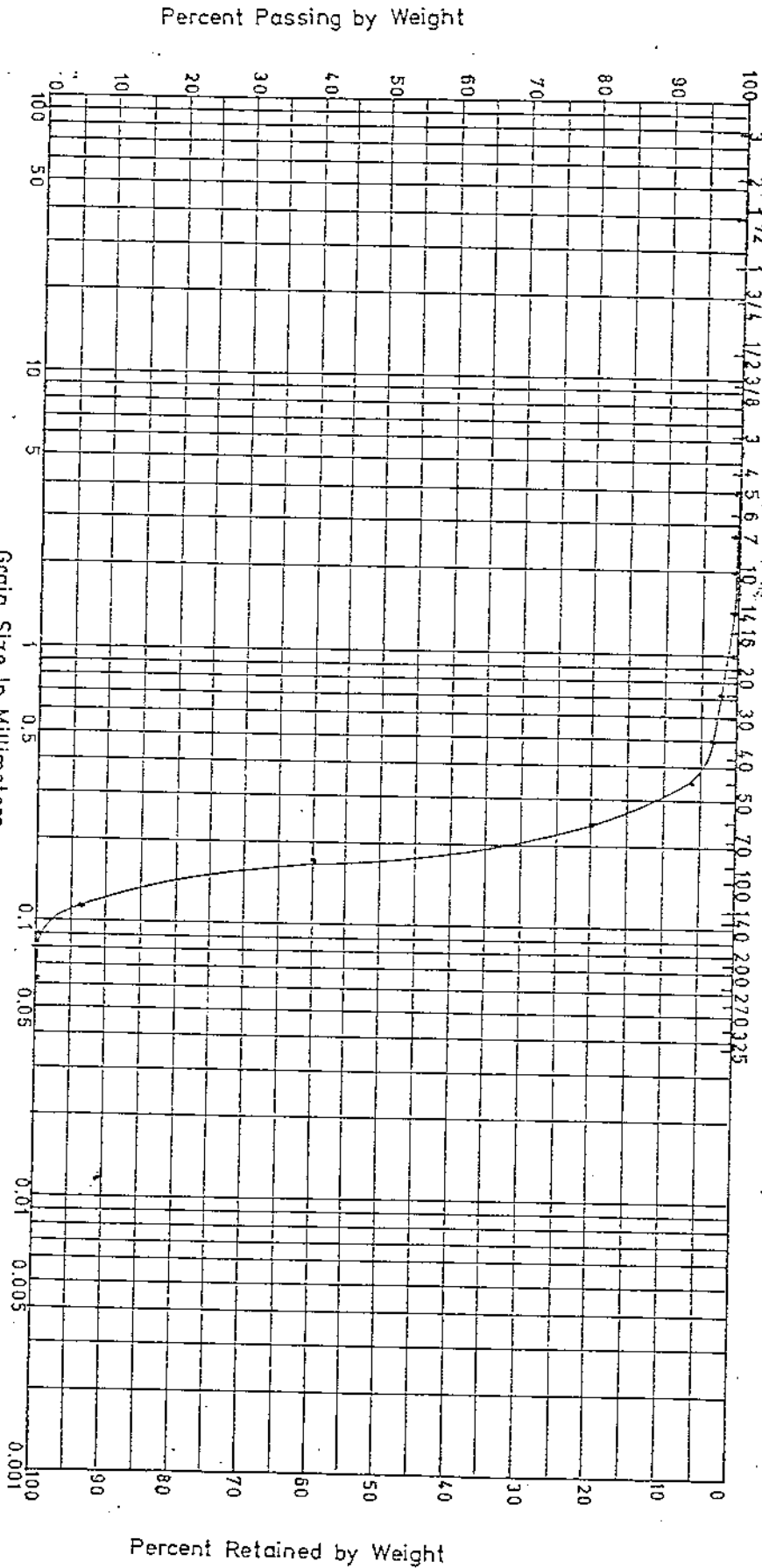
DATE: JULY 1987

MECHANICAL ANALYSIS CHART

U.S. Standard Sieve Openings in Inches

U.S. Standard Sieve Numbers

Hydrometer

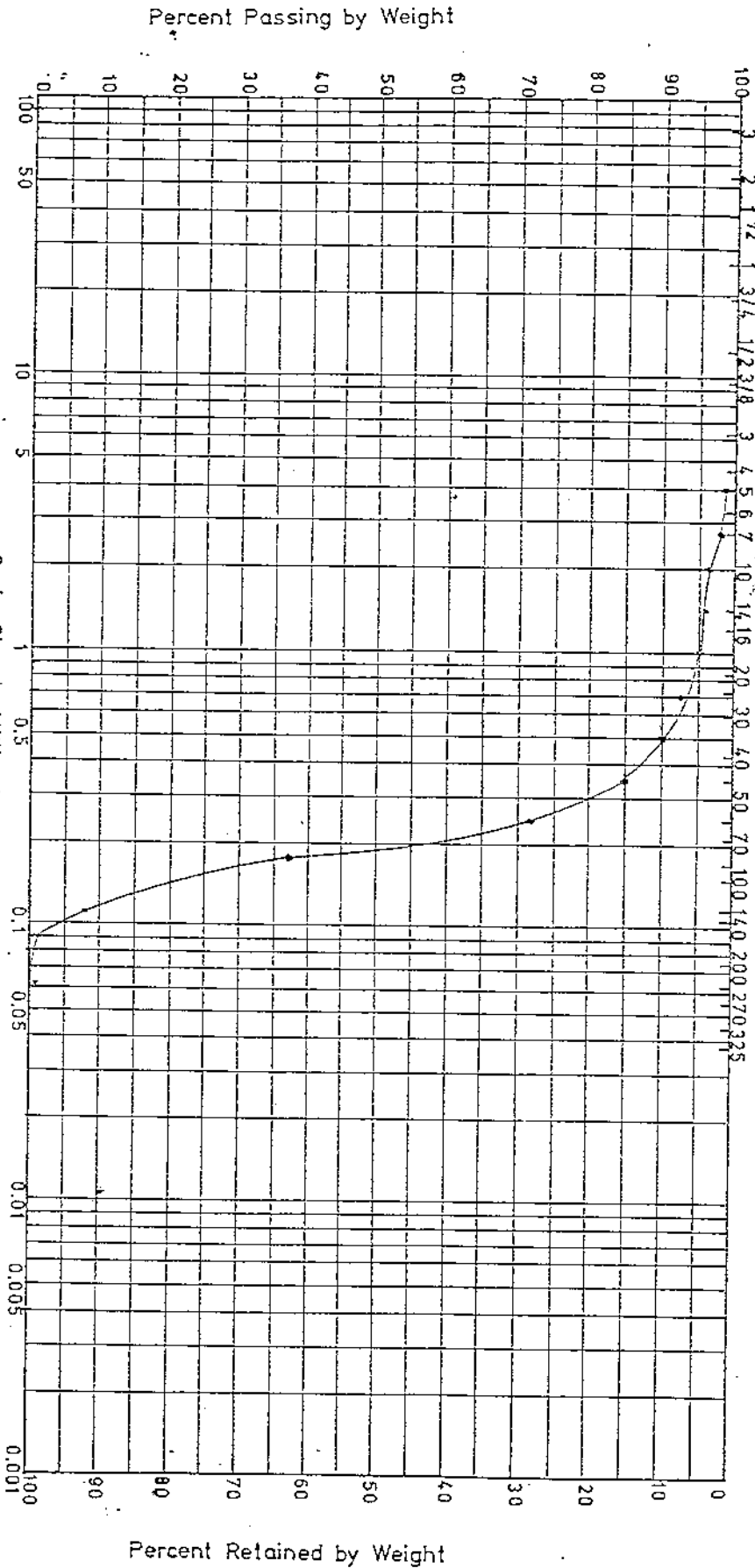


MECHANICAL ANALYSIS CHART

U.S. Standard Sieve Openings in Inches

U.S. Standard Sieve Numbers

Hydrometer



GRAVEL				SAND				SILT or CLAY			
Coarse	Fine	Coarse	Medium	Coarse	Medium	Fine					

SAMPLE NO.	CLASSIFICATION
15	GREY POORLY GRADED SAND
9'	WITH TRACES OF SHELL FRAGMENTS (SP)
	MEAN: .20mm MEDIAN: .19mm SORTING: .05mm

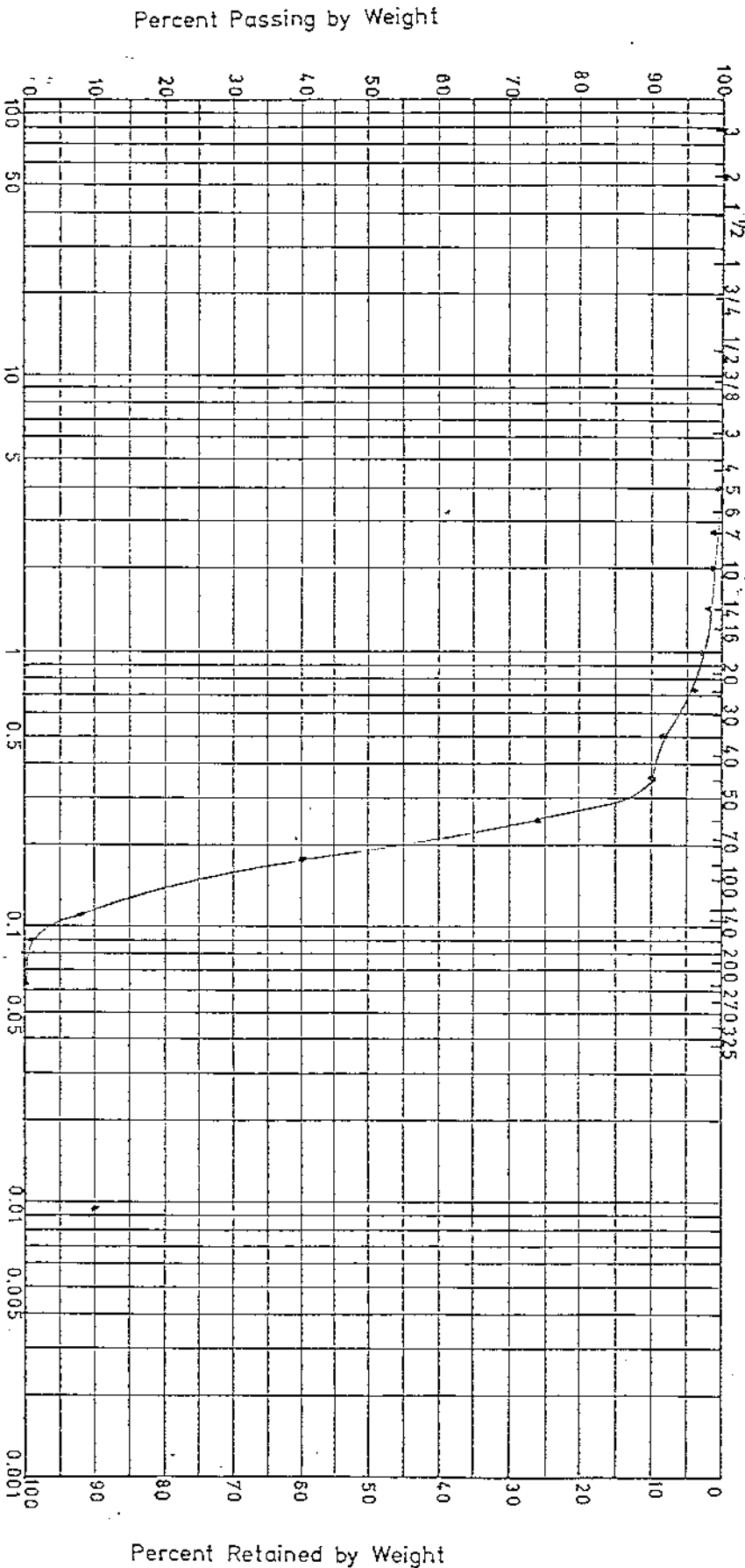
PROJECT:
DELRAY BEACH SAND SEARCH
DATE:
JULY 1987

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	

SAMPLE NO.	CLASSIFICATION
15	GREY POORLY GRADED SAND WITH TRACES OF SHELL FRAGMENTS (SP)
13	MEAN: .198mm MEDIAN: .19mm SORTING: .53

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JULY 1987