

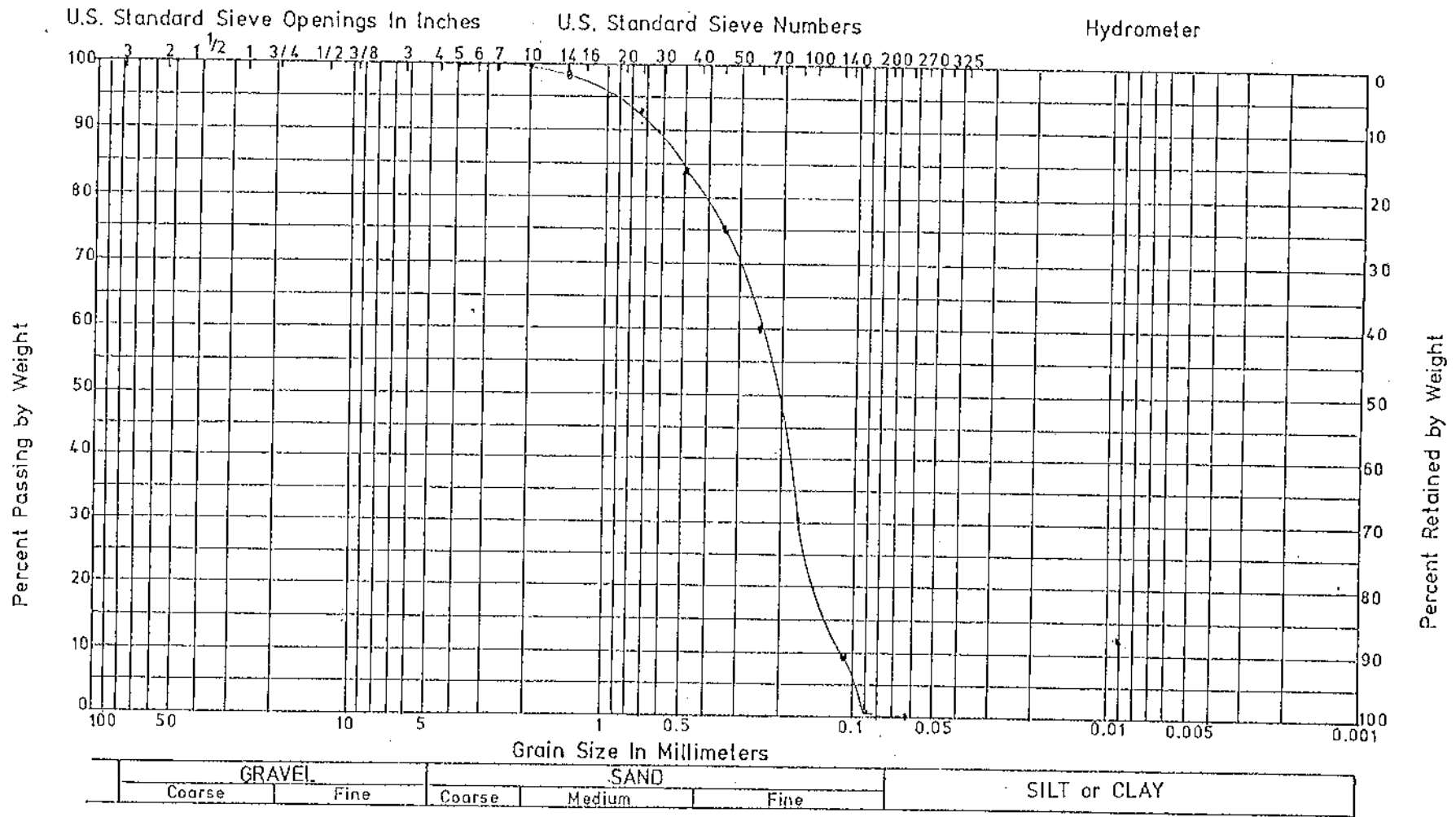
DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH SAND SEARCH		
2. LOCATION (Coordinates or Station) X= 809596.13 Y=765187.22		10. SIZE AND TYPE OF BIT 3.0"		
3. DRILLING AGENCY: EXMAR		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD		
4. HOLE NO. (As shown on drawing file and file number) DB-87-18		12. MANUFACTURER'S DESIGNATION OF DRILL EXMAR		
5. NAME OF DRILLER M.L. CLARK		13. TOT NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0.0 undisturbed: 0.0		
6. DIRECTION OF HOLE VERTICAL		14. TOTAL NO. OF CORE BOXES		
7. THICKNESS OF BURDEN 0.0 FT		15. ELEVATION GROUND WATER		
8. DEPTH DRILLED INTO ROCK 0.0 FT		16. DATE HOLE Started Completed 7/18/87 1300		
9. TOTAL DEPTH OF HOLE 17.5' FT		17. ELEVATION TOP OF HOLE -43.0 ft		
		18. TOTAL CORE RECOVERY FOR BORING 96%		
		19. SIGNATURE OF GEOLOGIST FK, KB		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-43	0					
-44	1		SAND, fine grained, Gray (SP)			SP
	2		shelf layer, (SP) from -44.0' to -44.2'		1	Sample #1, Depth = 2.0' 0.24 mm, 0.91 phi sorting 0.40% silt
	3					
	4				2	Sample #2, Depth = 4.0' 0.20 mm, 0.37 phi sorting 0.10% silt
	5					
	6					
	7		fine grained, with scattered shell fragments. Gray (SP) from -44.2' to -57.3'		3	Sample #3, Depth = 8.0' 0.31 mm, 0.84 phi sorting 0.10% silt
	8					
	9					
	10					
	11					
	12					
	13				4	
-57	14		shelf layer, (SP) from -57.0' to -57.2'			
	15		fine grained, with scattered shell fragments, Gray (SP) from -57.2' to -61.8'			Sample #4, Depth= 13.0' 0.28 mm, 0.66 phi sorting 0.10% silt
	16					
-59.8	17		NO RECOVERY			
-60.5	18		End of Boring			
	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



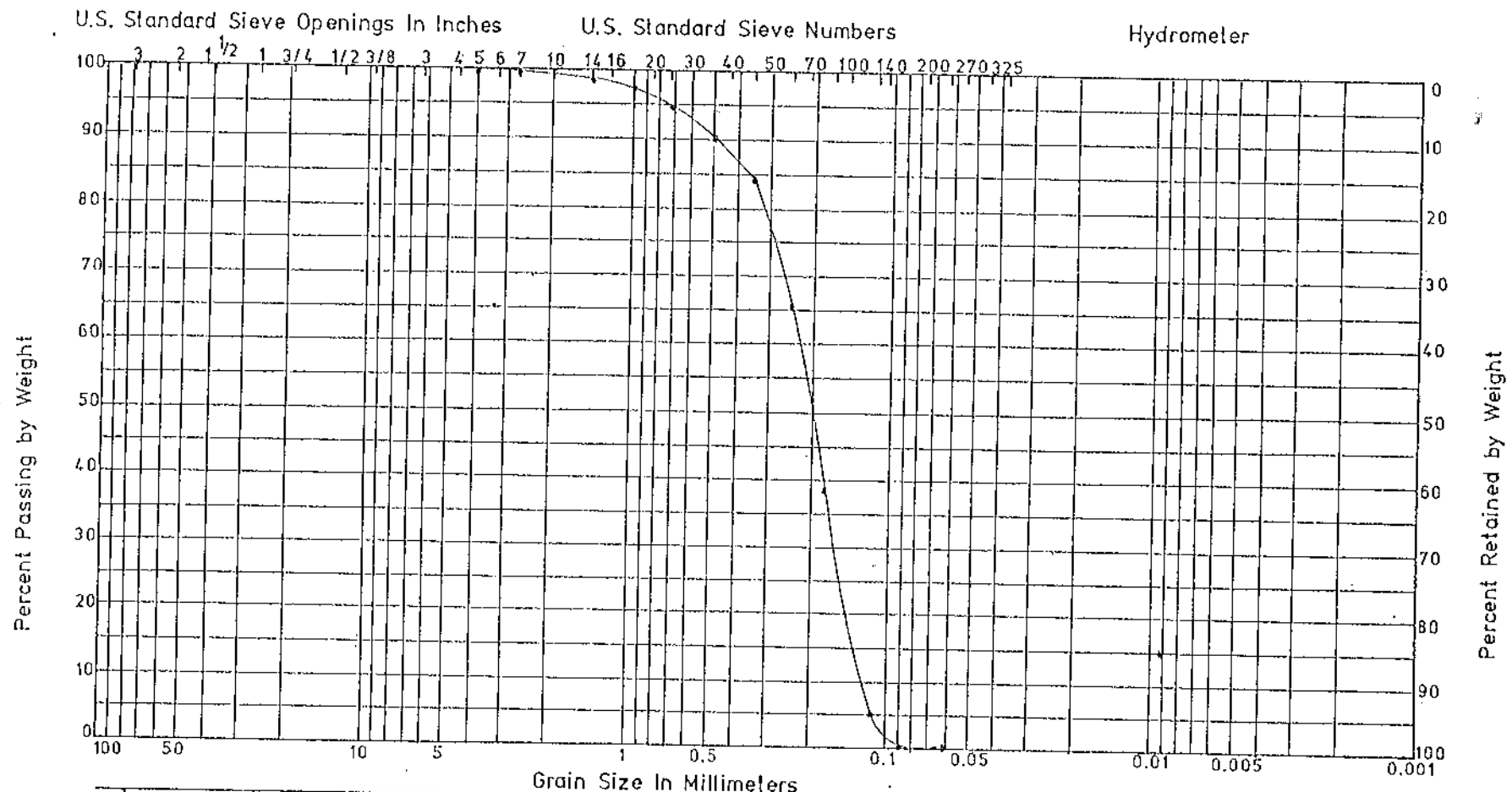
SAMPLE NO.	CLASSIFICATION
18	POORLY GRADED SAND WITH
2'	TRACES OF SHELL FRAGMENTS (SP)
	MEAN: .24MM MEDIAN: .20MM SORTING: .91

PROJECT:

DELRAY BEACH SAND SEARCH

DATE: JULY 1987

MECHANICAL ANALYSIS CHART



GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
18	GREY POORLY GRADED SAND WITH
41	TRACES OF SHELL FRAGMENTS (SP)
	MEAN: .20MM MEDIAN: .20MM SORTING: .37

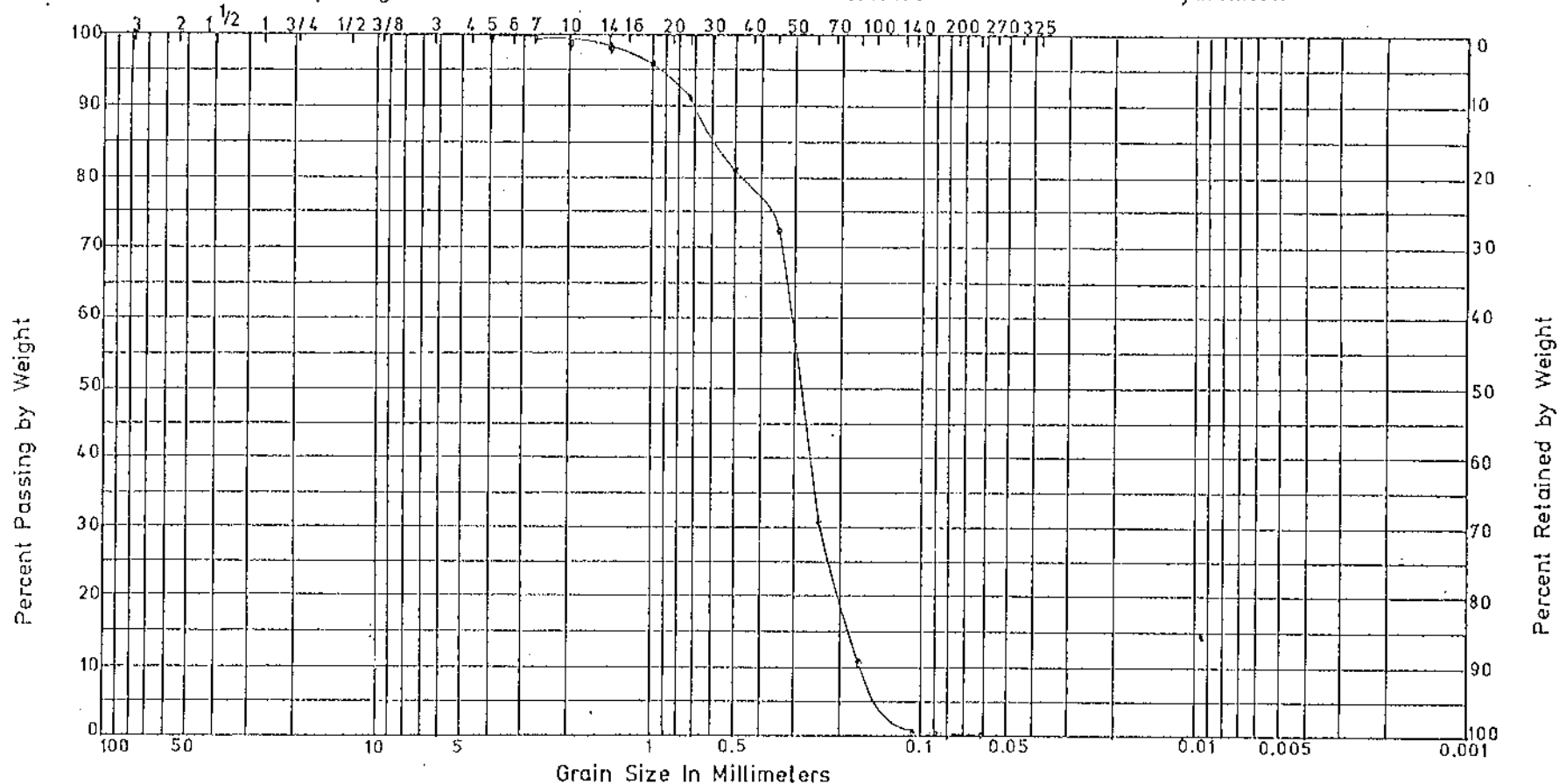
PROJECT:
DELRAY BEACH SAND SEARCH
DATE: JULY 1987

MECHANICAL ANALYSIS CHART

U.S. Standard Sieve Openings in Inches

U.S. Standard Sieve Numbers

Hydrometer

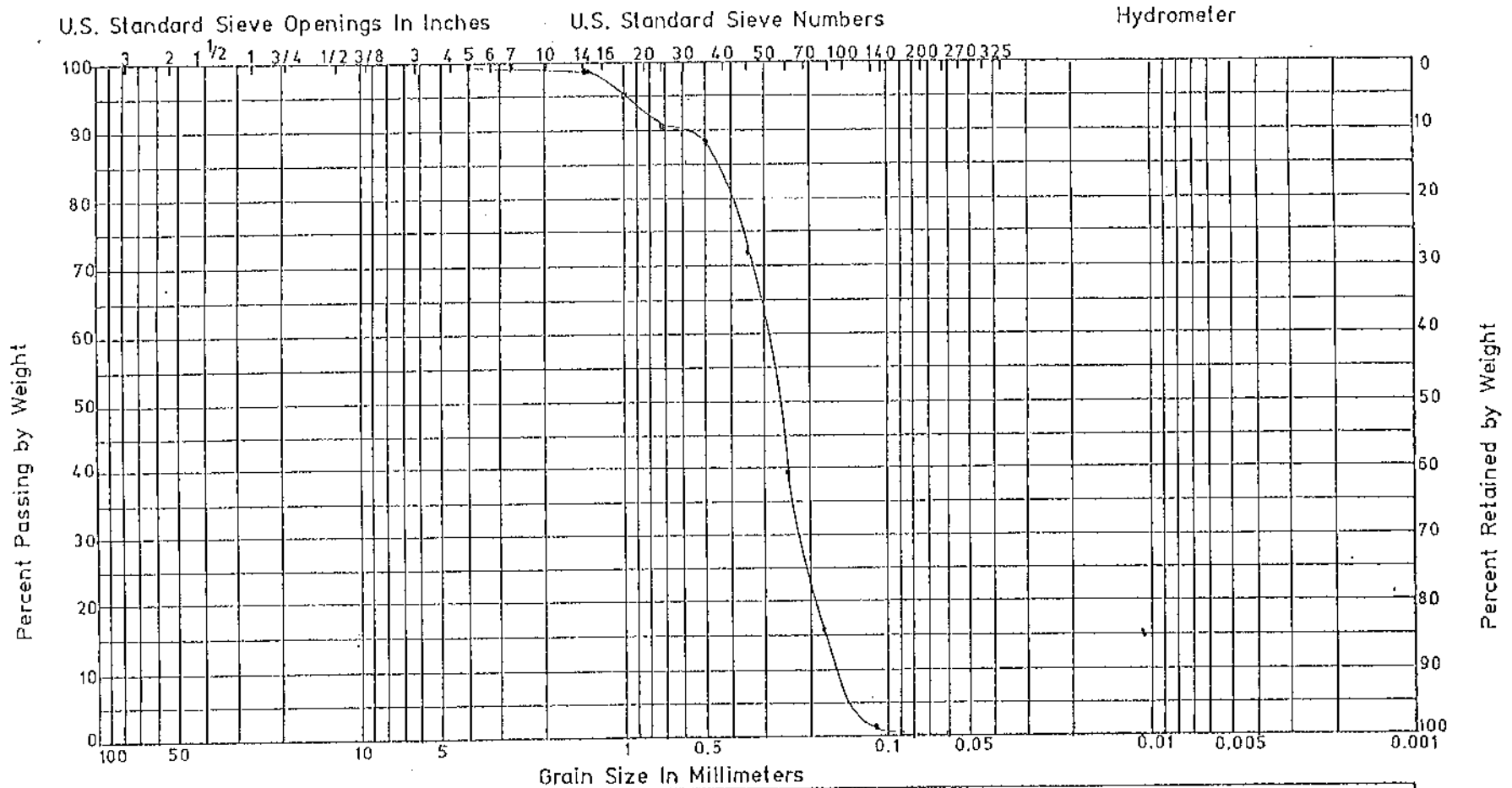


GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
18 B1	GREY POORLY GRADED SAND WITH TRACES OF SHELL FRAGMENTS. (SP) MEAN: .31MM MEDIAN: .28MM SORTING: .84

PROJECT:	DELRAY BEACH SAND SEARCH
DATE:	JULY 1987

MECHANICAL ANALYSIS CHART



GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

SAMPLE NO.	CLASSIFICATION
18	GREY POORLY GRADED SAND WITH TRACES OF SHELL FRAGMENTS. (SP).
13'	
MEAN: .28MM MEDIAN: .26MM SORTING: .66	

PROJECT:

DELRAY BEACH SAND SEARCH

DATE: JULY 1987