

DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT	LIDO KEY FEASIBILITY STUDY		10. SIZE AND TYPE OF BIT 3 5/8"	
2. LOCATION	(Coordinates or Station) X= 429132 Y= 1046835		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD	
3. DRILLING AGENCY:	Alpine Ocean Seismic Survey Inc.		12. MANUFACTURER'S DESIGNATION OF DRILL ALPINE PNEUMATIC VIBRACORE	
4. HOLE NO.	(As shown on drawing title and file number) LK-00-09		13. TOT NO. OF OVERBURDEN SAMPLES TAKEN Disturbed: 0.0 Undisturbed: 0.0	
5. NAME OF DRILLER	MAURIZIO ROSSI		14. TOTAL NO. OF CORE BOXES	
6. DIRECTION OF HOLE	VERTICAL		15. ELEVATION GROUND WATER Tide = 1.3	
7. THICKNESS OF BURDEN 0.0 FT			16. DATE HOLE Started Completed 8/20/00 1317	
8. DEPTH DRILLED INTO ROCK N/A			17. ELEVATION TOP OF HOLE -40.6 ft	
9. TOTAL DEPTH OF HOLE 13.3 ft			18. TOTAL CORE RECOVERY FOR BORING 100%	
			19. SIGNATURE OF GEOLOGIST SYED KHALIL , CP&E INC.	

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-40.6	0					
	1		SAND, fine to medium grained, some shell hash/shell fragments, Dark gray (5Y-4/1) (SP)		1	Sample #1, Depth = 2.0' Mean (mm): 0.43, Phi Sorting: 0.87 Silt: 1.9% (SP) Specific Gravity: 2.63
-44	3					
	4		SAND, fine grained, trace silt (calcareous), little shell hash/shell fragments, thin lenses of dark gray (5Y-4/1) fine -medium sand, gray (5Y-5/1) (SP-SM)		2	Sample #2, Depth = 4.0' Mean (mm): 0.22, Phi Sorting: 1.08 Silt: 6.2% (SP-SM)
-46.1	5					
-46.5	6		SILTY SAND, fine-grained, calcareous, Gray (5Y- 6/1) (SM)		3	Sample #3, Depth = 5.7' Mean (mm): 0.15, Phi Sorting: 0.95 Silt: 22.6% (SM)
-47.2	7		SILTY CLAY, Light gray (5Y-7/1) (ML-CL)			
-48.4	8		CARBONATE CLASTS, hard, clast size from cobbles to calcareous fines, few coral fragments, Gray (5Y-5/1) (GP)			
	9		SILTY SAND, fine-grained, calcareous, little shell hash/shell fragments & 1.5" wholshell at 8.3', 2" coral fragment at 8.8', Light gray (5Y-7/1) (SM)		4	Sample #4, Depth = 9.0' Mean (mm): 0.33, Phi Sorting: 1.56 Silt: 15.1% (SM)
-50.8	10					
-51.5	11		fine-grained, (calcareous), little shell hash/shell fragments, Gray (5Y-5/1) to Dark gray (5Y-4/1). (SM)		5	Sample #5, Depth = 10.5' Mean (mm): 0.19, Phi Sorting: 1.40 Silt: 19.3% (SM)
	12		CLAY, embedded with carbonate pebbles between 10.9' to 12.0', Light gray (5Y-7/1) to very pale brown (10Y-7/3) (CL)			
-53.8	13		Refusal Depth 13.3', Carbonate Clasts in Bit.			
-54.7	14		Expansion of material to 14.1'			
	15		End of Boring			
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Note:

1) Soils are classified in accordance with the Unified Soils Classification System.

2) Recovery exceded total penetration due to expansion.

3) Rock in Drill Bit.

LAT - LONG

27 12.7145 N

82 41.9125 W