





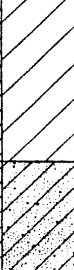


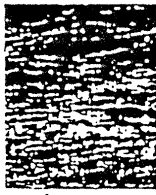


 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 27		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/25/89 7:15		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 44.1'			X- 636857		
DEPTH OF HOLE: 16.8'			Y- 1416553				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell clay, fine to 1 in whole shell & shell frags, little fine to med qtz sand, gray (GC)	100%			
	2		Clay, firm, trace fine qtz sand, trace shell, fine to 1/4 in shell frags, gray (CH)				
	3						
	4		3.3 to 3.8', local shell zone				
	5						
	6					6.3' cut	
	7				100%		
	8						
	9						
	10		10.4-10.5 local shell zone				
	11		10.8-11.1 local shell zone				
	12				100%		11.8' cut
	13						
	14		Clay, organic, trace shell, fine to 1/4 in shell frags, dark gray to black, (OL)				
	15						
	16					16.8' cut	
	17		TD 16.8'				
	18						
	19						
	20						

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:	
		BREVARD COUNTY SAND SEARCH			28	
		DRILLER:		DATE OF HOLE:		
		A.O.S.S.		7/25/89 11:08		
LOG BY:		O.A. REP.:				
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.				
DEPTH OF WATER: 22.7'		X- 631608				
DEPTH OF HOLE: 20.0'		Y- 1410100				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Sand, fine qtz sand, trace whole & broken shell up to 1/2 in, little clay, lt gray (SC)	100%	1 (2.0')	
	2		Shell sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, little clay, lt gray (SC)			
	3					
	4					
	5		Sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, little clay, lt gray (SC)		2 (6.0')	7.6' cut
	6		5.9'-6.1' local shell zone			
	7					
	8					
	9		Shell sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, trace clay, lt gray (SW)	100%	3 (8.5')	
	10					
	11					
	12					
	13		Sandy clay, little whole & broken shell up to 1 in, little fine qtz, sandy zones, little clay, gray (CL)			13.8' cut
	14					
	15					
	16					
	17		Sand, fine qtz sand, trace whole & broken shells up to 1/2 in, little clay, lt gray (SC)	100%		18.5'-18.9' no sediment
	18		Shell sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, little clay, lt gray (SC)			
	19		Clay, firm, trace whole & broken shells up to 1 in, gray (CH)			
	20		Sand, fine qtz sand, trace whole & broken shells up to 1 in, little clay gray (SC)			
	21		Clayey sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, little clay, gray(SC)			20.0' cut
	22					
	23					
	24					
	25		TD 20.0'			


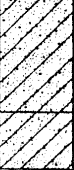



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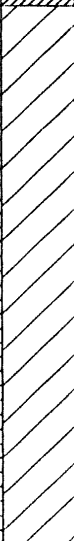
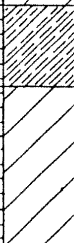
28

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:	
		BREVARD COUNTY SAND SEARCH			29	
		DRILLER:		DATE OF HOLE:		
		A.O.S.S.		7/25/89 12:04		
LOG BY:		O.A. REP.:				
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.				
DEPTH OF WATER: 37.9'		X- 640281				
DEPTH OF HOLE: 20.0'		Y- 1413299				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Sand, fine to medium quartz sand, little whole and broken shell up to 1 1/2 in., light gray (SP)	100%	1 (2.0')	
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11		Shell sand, fine to medium quartz sand, little whole and broken shells up to 1 1/2 in., little clay, gray (SC)	100%	3 (10.8')	6.9' cut
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
			Clay, firm, trace whole and broken shell up to 1 1/2 in., gray (CH)			13.9' cut
			18.1' - 18.6' local shell zone			20.1' cut
			TD 20.1 ft.			

CORE NO.:








29






 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:	
		BREVARD COUNTY SAND SEARCH			30	
		DRILLER:		DATE OF HOLE:		
		A.O.S.S.		7/25/89 15:03		
LOG BY:		O.A. REP.:				
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.				
DEPTH OF WATER: 30.4'		X- 633284				
DEPTH OF HOLE: 11.8'		Y- 1450973				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Sand, fine qtz sand, little whole & broken shells up to 2 in, little clay, gray (SC)	100%	1 (1.0')	6.1' cut
	2		Shell sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, little clay, gray (SC)			
	3		Sand, fine qtz sand, little whole & broken shells up to 1 1/2 in, trace clay, gray (SP)		2 (4.5')	
	4					
	5					
	6					
	7		Shell sand, fine qtz sand, little whole & broken shells up to 1 in, little clay, gray (SC)	100%		12.3' cut
	8					
	9		Clayey, sand, fine qtz sand, little whole & broken shells up to 1 in, little clay, clay zones, gray (SC)		3 (10.0')	
	10					
	11					
	12					
	13		TD = 12.3 ft.			
	14					
	15					
	16					
	17					
	18					
	19					
	20					


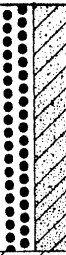
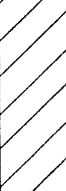


 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH					31
		DRILLER:			DATE OF HOLE:		
		A.O.S.S.			7/25/89 14:25		
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 42.2'		X- 636253					
DEPTH OF HOLE: 16.4'		Y- 1406303					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell clay, firm, fine to 1 1/2 in shell frag, dark gray (GC)	100%			
	2		Clay, firm, gray (CH)				
	3						
	4						
	5		Sand, clayey, very fine qtz, gray (SC)				
	6		Clay, firm, gray (CH)				
	7		Sandy clay, firm, fine qtz, little fine to 1/4 in shell frags, trace shell frags to 3/4 in, shelly zones, gray (CL)		100%	7.0' cut	
	8						
	9						
	10						
	11		9.5 to 10.2 and 11.0 to 12.1 ft, local shell zones				
	12					12.1' cut	
	13						
	14		Organic clay, med to high plasticity, dark gray to black, (OH)				
	15		Clay, very firm, trace qtz sand, little fine to 1/4 in shell frag, greenish gray (CL)				
	16					16.6' cut	
	17		TD 16.6'				
	18						
	19						
	20						

CORE NO.:

31



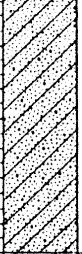
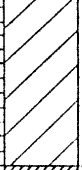
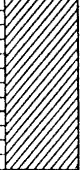
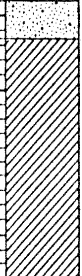
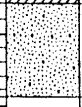
 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH			32		
		DRILLER:		DATE OF HOLE:			
		A.O.S.S.		7/25/89 13:42			
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 42.2'		X- 638754					
DEPTH OF HOLE: 13.3'		Y- 1406755					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, medium quartz, fine to 1/4 in. shell fragment, trace clay, gray (SP)	100%	1 (1.0')		
	2		Shell sand, mixture of fine to medium quartz sand and fine to 3/4 in. shell fragment, trace clay, gray (SW)		2 (3.5')		
	3						
	4		Shell clay, firm, firm to 1 1/2 in. shell fragment, gray (GC)				
	5		Sand, fine quartz, trace shell fragments to 1/2 in., trace clay, gray (SP)		3 (6.0')	6.7' cut	
	6						
	7			100%			
	8						
	9						
	10						
	11						
	12		Organic clay, firm, dark gray to black (OH)				
	13		Shell clay, firm, fine to 1/4 in. shell fragments, trace fine quartz sand, greenish-tan, (CL)			13.2' cut	
	14		TD 13.2'				
	15						
	16						
	17						
	18						
	19						
	20						

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 33
		DRILLER: A.O.S.S.		DATE OF HOLE: 7/27/89 23:14		
		LOG BY: F.I.T. Civil/Bacchus		O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 20.0' DEPTH OF HOLE: 19.6'		X- 632411 Y- 1402233		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Sand, fine qtz sand, trace whole & broken shell up to 1/2 in, little clay, gray (SC)	100%	1 (1.0')	
	2					
	3		Shell sand, fine qtz sand, little whole & broken shell up to 1 in, trace clay, gray (SW)			
	4		Sand, fine qtz sand, little whole & broken shell up to 1 in, little clay, gray (SC)			
	5				2 (5.0')	
	6					
	7		from 6.9' - 15.0' less shell material			6.9' cut
	8			100%		
	9					
	10					
	11					
	12					3 (12.0')
	13					
	14					
	15					15.0' cut
	16		Sand, fine qtz, trace shell frags to 1/2 in, little clay, gray (SC)			
	17					
	18					
	19					
	20					20.3' cut
			TD 20.3'			


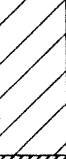

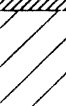




 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 34		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 7:42		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 37.8'			X- 637269		
DEPTH OF HOLE: 19.0'			Y- 1402792				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell sand, fine to med qtz sand, little whole & broken shells up to 1 1/2 in, little clay, gray (SW-SC)	100%	1 (2.0')		
	2						
	3						
	4		Sand clay, little whole & broken shells up to 1 1/2 in, little fine qtz sand, little clay, gray (CL)				
	5						
	6						
	7		Shell sandy clay, little whole & broken shells up to 1 1/2 in, little fine qtz sand, little clay, gray (CH)			6.8' cut	
	8						
	9						
	10		Clay, firm, trace whole & broken shells up to 1 in, trace fine qtz sand, sandy zones, gray (CH)	100%			
	11						
	12						
	13						13.5' cut
	14				100%		
	15						
	16						
	17			17.0' - 17.5' local shell zone			
	18						18.9' cut
	19			TD 18.9'			
	20						

CORE NO.:

34


 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 35		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 9:04		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 33.8' DEPTH OF HOLE: 18.0'			X- 635015 Y- 1398795		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine to medium quartz sand, little whole and broken shells up to 1 in., trace clay, gray (SP)	100%	1 (2.5')		
	2						
	3						
	4		4.1 - 4.3' local shell zone				
	5		Clayey sand, fine quartz sand, trace whole and broken shells up to 1 in., little clay, gray (SC)		2 (6.0')		
	6						
	7						
	8		Shell sandy clay, little fine quartz sand, little whole and broken shells up to 1 1/2 in., little clay, gray (CL)	100%		7.8' cut	
	9						
	10						
	11		Clay, firm, trace whole and broken shells up to 1 1/2 in., little fine quartz sands in sandy zones, gray (CH)				
	12						
	13		12.8' - 13.3' - fine quartz sand, gray (SP)			12.9' cut	
	14			100%			
	15						
	16						
	17		Sand, fine quartz sand, trace clay, light gray (SP)			17.9' cut	
	18		TD = 17.9 ft.				
	19						
	20						

CORE NO.:
35











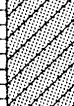
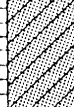


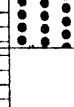
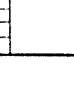

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH			36		
		DRILLER:		DATE OF HOLE:			
		A.O.S.S.		7/26/89 9:56			
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 46.5'		X- 641678					
DEPTH OF HOLE: 20.0'		Y- 1397089					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sandy clay, little whole & broken shells up to 2 in, little fine qtz sand, little clay, gray (CL)	100%			
	2						
	3		Clay, firm, trace whole & broken shells up to 1 in, gray (CH)			6.4' cut	
	4						
	5						
	6						
	7						
	8			100%			
	9		Sandy clay, little whole & broken shells up to 1 in, little fine qtz sand, little clay, dark gray (CL)			12.9' cut	
	10						
	11		Clayey sand, fine qtz sand, little whole & broken shells up to 1 in, little clay, dark gray (SC)				
	12						
	13		Sandy clay, little whole & broken shells up to 2 in, little fine qtz sand, little clay, dark gray (CL)				
	14						
	15		Shelly clay, little whole & broken shells up to 2 in, little clay, lt gray with a greenish tinge (GC)				
	16						
	17		Sand, med to coarse qtz sand, little whole & broken shells up to 2 1/2 in, lt gray (SP)			20.0' cut	
	18						
	19						
	20						
			TD = 20.0 ft.				


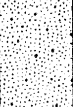

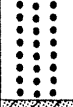

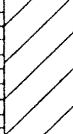




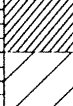
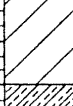
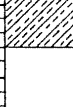
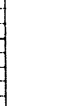


CORE NO.:

36

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 37		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 10:45		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 27.9'			X- 635251		
DEPTH OF HOLE: 19.5'			Y- 1393900				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
			Shell sand, medium to coarse quartz fine to 1/8 in. shell fragments, tan (SP)	100%	1 (0.5')		
	1		Shell sand, fine to medium, fine to 1 in. whole and broken shell, trace clay, gray (SW)				
	2						
	3						
	4		Sand, fine quartz, little fine to 3/4 in. whole and broken, shell, trace clay, gray (SP)		2 (4.0')		
	5						
	6					6.4' cut	
	7			100%			
	8						
	9				3 (8.0')		
	10						
	11		Shell sand, fine to medium, fine to 1/2 in. shell fragments, gray (SW)				
	12		Clay, firm, little fine to 1/2 in. shell fragment, trace quartz sand, dark gray (CH)			12.9' cut	
	13		Sand, fine quartz, trace fine to 1/4 in. shell fragment, shelly zones, gray (SP)	100%			
	14						
	15		Shell sand, fine sand to 1/2 in. shell fragments, gray (SW)				
	16		Shell clay, fine to 3/4 in. whole and broken shell, little fine quartz sand, sandy zones, dark gray (GC)				
	17						
	18						
	19					19.8' cut	
	20		TD 19.8				








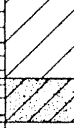
CORE NO.:
37

 olsen associates, inc. Coastal Engineering		PROJECT:			BREVARD COUNTY SAND SEARCH		CORE NO.:	38
		DRILLER:			A.O.S.S.			
		LOG BY:			F.I.T. Civil/Bacchus			
		DATE OF HOLE:			7/26/89 11:47			
O.A. REP.:			Wm. Buckingham, P.E.					
DEPTH OF WATER: 46.0'			X- 642186					
DEPTH OF HOLE: 19.1'			Y- 1390114					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS		
	1		Clay, firm, little fine to 1/4 in shell frags, trace qtz, dark gray (CL)	100%				
	2		Clay, firm, trace fine to 1/4 in shell frag gray (CH)					
	3							
	4							
	5							
	6							
	7					7.6' cut		
	8			100%				
	9		Sand, clayey, fine to med qtz, little fine to 3/4 in shell frags, gray (SC)					
	10		10.1-10.3' clay, firm, gray (CH)					
	11		Clay, firm, highly palstic, trace fine to 1/4 in shell frags, dark gray (CH)					
	12							
	13		Shell clay, fine to 3/4 in whole and broken shells, little shell frags to 3 1/2 in, little fine to med qtz sand, greenish gray (GC)	100%		13.8' cut		
	14							
	15							
	16							
	17		Shell sand, med to coarse qtz, fine to 1 1/2 in whole and borken shell, tan (SW)					
	18							
	19					19.5' cut		
	20		TD 19.5'					

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 39		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 12:23		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 36.5' DEPTH OF HOLE: 17.4'			X- 638264 Y- 1389268		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine, trace fine to 1/4 in. shell fragment, trace clay, gray (SP)	100%	1 (1.0')		
	2		Shell sand, fine quartz fine to 1 1/2 in. whole and broken shell, trace clay, gray (SW)		2 (3.0')		
	3						
	4						
	5		Shell clay, firm, fine to 1 1/2 in. whole and broken shell fragments, little fine quartz sand, gray (GC)				
	6						
	7					7.2' cut	
	8		Clay, firm, trace fine to 1/4 in. shell fragments, trace firm quartz sand zones, gray (CH)	100%			
	9						
	10						
	11						
	12						
	13						
	14						
	15		14.6 to 16.0 ft., sandy shell clay, fine quartz, fine to 1/4 in. shell fragments, gray, (CL)				
	16						
	17		Organic clay, firm, little carbonate, greenish gray to black (OH)				
	18		ID 17.6'			17.6' cut	
	19						
	20						



CORE NO.:

39

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH					40
		DRILLER:			DATE OF HOLE:		
		A.O.S.S.			7/26/89 13:30		
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 25.7'		X- 636264					
DEPTH OF HOLE: 18.0'		Y- 1388789					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine qtz sand, little whole & broken shell up to 1 1/2 in, little clay, gray (SC)	100%	1 (2.0')		
	2						
	3						
	4		shell sand, fine qtz sand, little whole & broken shell up to 1 1/2 in, little clay, gray (SC)				
	5						
	6						
	7		Sand, fine qtz sand, little whole & broken shell up to 1 1/2 in, little clay, gray (SC)		2 (7.0')		
	8						
	9						
	10			100%		7.6' cut	
	11						
	12						
	13				3 (12.5')		
	14						
	15						
	16		Shell sand, fine to med qtz sand, little & whole shells up to 1 in, gray (SW)				
	17						
	18						
	19		Sandy clay, trace whole & broken shell up to 1 in, little fine qtz, little clay, gray (CL)				
	20						
			Sand, fine qtz sand, little clay, (SC)			18.1' cut	
			TD 18.1'				








CORE NO.:






40

 olsen associates, inc. Coastal Engineering	PROJECT:		BREVARD COUNTY SAND SEARCH		CORE NO.:	41	
	DRILLER:		A.O.S.S.		DATE OF HOLE:		7/26/89 14:33
	LOG BY:		F.I.T. Civil/Bacchus		O.A. REP.:		Wm. Buckingham, P.E.
	DEPTH OF WATER: 26.3'		DEPTH OF HOLE: 13.1'		X- 637347		Y- 1384832
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine qtz sand, trace whole & broken shells to 1/2 in, little clay, gray (SC)	100%	1 (3.5')	6.5' cut	
	2		Shell sand, fine qtz sand, little whole & broken shells to 1 1/2 in, little clay, gray (SC)				
	3		Sand, fine qtz sand, little whole & broken shells to 2 in, little clay, gray (SC)				
	4						
	5						
	6						
	7						
	8		Clayey sand, fine qtz sand, trace whole & broken shells up to 1 in, little clay, gray (SC)	100%	2 (10.5')	12.4' cut	
	9						
	10	Sand, fine to med qtz sand, trace whole & broken shells up to 1 in, little clay, gray (SC)					
	11						
	12		11.9' - 12.4' local shell zone				
	13		10 12.4'				
	14						
	15						
	16						
	17						
	18						
	19						
	20						

CORE NO.:







41

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 42	
		DRILLER: A.O.S.S.		DATE OF HOLE: 7/26/89 16:34		
		LOG BY: F.I.T. Civil/Bacchus		O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 50.8' DEPTH OF HOLE: 20.0'		X- 646266 Y- 1380862		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Clay, firm, trace fine to 1/4 in shell frags, shelly zones, gray (CH)	100%		
	2					
	3					
	4		Organic clay, firm, trace fine to 1/4 in shell frags trace fine qtz sand, dark gray to black (OH)	100%		6.8' cut
	5					
	6					
	7		Clay, firm, little fine to 1/4 in shell frag, little fine qtz sand, dark gray (CL)	100%		
	8		7.6 to 8.8 ft., shell clay, fine to 2 inch whole and broken shell, greenish gray (GC)			
	9		Shell Sand, mixture of medium quartz sand and 1/2 inch whole and broken shell, little whole and broken shell to 3 inch, trace clay tan (SW)	100%		13.6' cut
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19		Sand, clayey, very fine qtz, tan (SC)			20.1' cut
	20		TD 20.1'			

 olsen associates, inc. Coastal Engineering	PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 43	
	DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 15:51		
	LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
	DEPTH OF WATER: 42.5'			X- 642282		
DEPTH OF HOLE: 14.9'			Y- 1379995			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Shell sand, clayey little fine qtz, fine to 3/4 in shell frags, gray (Gd)	100%		
	2					
	3		Clay, firm, plastic, trace line to 1/2 in shell frags, gray (CH)			
	4					
	5					
	6					
	7		7.3 to 9.5' local shell zone	100%		6.5' cut
	8					
	9					
	10					
	11		Shell clay, firm, fine to 1/2 in, shell frag, trace fine qtz sand, greenish gray (GC)			
	12					
	13					
	14					
	15		Shell sand, med to coarse qtz, med to 1 1/2 in whole & broken shell, trace clay, light gray (GP)	100%		12.5' cut
	16					
	17					
	18					
	19					
	20					
			TD 15.3'			15.3' cut


















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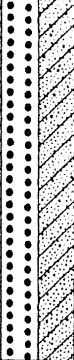
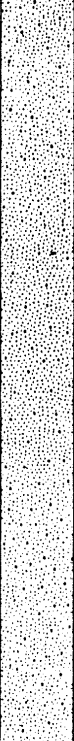
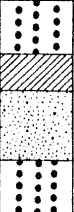
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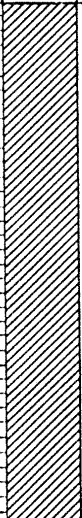





 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 44	
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 15:09	
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.	
		DEPTH OF WATER: 23.3' DEPTH OF HOLE: 18.4'			X- 638450 Y- 1379071	
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Sand, fine quartz, trace fine to 1/4 in. shell fragments, trace clay, light gray (SP)	100%	1 (1.5')	
	2		Shell sand, mixture of fine quartz and fine to 1 in. shale and broken shell, trace clay, gray (SW)		2 (3.0')	
	3					
	4		Sand, fine quartz, little fine to 3/4 in. whole and broken shell, trace clay, light gray (SP)		3 (5.5')	
	5					
	6					6.8' cut
	7					
	8			100%		
	9					
	10				4 (10.0')	
	11					
	12					12.8' cut
	13		Shell sand, mixture of fine quartz and fine to 1/2 in. whole and broken shells, trace clay, gray (SW)	100%		
	14					
	15		Sand, clayey, little fine to 1/2 in. shell fragment, gray, (SC)			
	16					
	17					
	18		Shell sand, mixture of fine quartz and fine to 1/2 in. whole and broken shells, trace clay, gray (SW)			18.2' cut
	19		TD 18.2'			
	20					

CORE NO.:

44


 olsen associates, inc. Coastal Engineering	PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 45	
	DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 17:20		
	LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
	DEPTH OF WATER: 42.3'			X- 643783		
DEPTH OF HOLE: 16.2'			Y- 1373596			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Shell sand, fine sand to 3/4 in shell frags, little clay, gray (GC)	100%		
	2		Clay, firm, trace shell, shelly zones, gray (CL)			
	3		2.1 to 2.4 ft, sand, fine qtz, trace clay, gray (SP)			
	4		clay, firm, trace shell frags fine to 1/4 in, gray (CH)			
	5					
	6					6.5' cut
	7			100%		
	8		Sandy clay, fine qtz sand, little fine to 1/2 in shell frag, gray (CL)			
	9					
	10		Sand, fine to med qtz, trace shell fine to 1/4 in, light gray (SP)			
	11		Sand, clayey, fine to med qtz, 6 in-mercenaria, gray (SC)			11.8' cut
	12		Clay, firm, light gray (CH)	100%		
	13		Shell sand, mixture of fine to 3/4 in whole shell and shell frags, some clay (SW-SC)			
	14					
	15					
	16					16.2' cut
	17		TD 16.2'			
	18					
	19					
	20					





 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 46		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 18:13		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 23.0'			X- 640126		
		DEPTH OF HOLE: 20.0'			Y- 1372276		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell sand, fine sand to 1/2 in. shell, little whole and broken shell, trace clay, gray (SW-SC)	100%	1 (3.0')		
	2						
	3						
	4						
	5						
	6		Sand, fine quartz, trace fine to 1/2 in. whole and broken shell, trace clay, light gray (SP)	100%	2 (8.0')	7.0' cut	
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16		Shell sand, fine quartz sand to 1/2 in. shell, trace clay, gray, (SW).	100%	3 (12.0')	14.0' cut	
			Clay, firm trace quartz sand dark gray, (Cl)				
	17		Sand, fine quartz, trace fine to 1/4 in. shell fragments, trace clay, gray, (SP)				
	18		Shell sand, fine quartz sand to 1/2 in. shell, trace clay, gray (SW)				
	19		TD 18.6'			18.6' cut	
	20						

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH					47
		DRILLER:			DATE OF HOLE:		
		A.O.S.S.			7/27/89 20:52		
		LOG BY:			O.A. REP.:		
F.I.T. Civil/Bacchus			Wm. Buckingham, P.E.				
DEPTH OF WATER: 47.0'			X- 645512				
DEPTH OF HOLE: 18.8'			Y- 1372095				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Clay, firm, trace whole & broken shells up to 1 in, gray (CH)	100%		6.5' cut	
	2		0 - 0.5' local shell horizon				
	3						
	4						
	5						
	6						
	7						
	8		Sandy clay, fine to med qtz sand, trace whole & broken shells up to 1/2 in, little clay, gray /brown (CL)				
	9		Sand, fine to med qtz sand, trace whole & broken shells up to 1/2 in, little clay, light gray (SC)				
	10		Shell sand, med to coarse qtz sand, little whole & broken shells up to 1 1/2 in, little clay, gray (SC)				
	11						
	12		Shell sand, fine qtz sand and carbonate, little whole & broken shells up to 2 in, little silt, light gray (SM)				
	13					13.4' cut	
	14						
	15						
	16						
	17						
	18						
	19		TD 19.0'			19.0' cut	
	20						

CORE NO.:





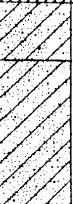
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
		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH					48
		DRILLER:			DATE OF HOLE:		
		A.O.S.S.			7/26/89 19:21		
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 36.7'		X- 642703					
DEPTH OF HOLE: 19.5'		Y- 1371042					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sandy clay, little fine qtz, little fine to 1/2 in shell frag, dark gray (CL)	100%			
	2		Shell clay, firm, fine to 1 in whole & broken shell, little shell to 2 1/2 in, trace fine qtz, dark gray (GC)				
	3						
	4						
	5						
	6						
	7		Clay, firm, trace fine qtz sand, trace fine to 1/4 in shell frag, gray (CH)	100%		7.4' cut	
	8						
	9		8.7 to 8.9 ft. and 9.3 to 9.7 ft.				
	10		sand, fine quartz, some clay, gray (SC)				
	11						
	12						
	13		12.7 to 13.7 ft., shell sand, fine to 1/2 inch shell fragment, some clay gray (GC)				
	14			100%		14.2' cut	
	15		Clay, mixture of organic and inorganic, trace fine qtz sand, light to dark gray (CH-OH)				
	16						
	17						
	18		Shell sand, med sand to 1 in shell, little white & broken shell to 3 1/2 in, some clay, light gray (GC)				
	19					19.6' cut	
	20		TD 19.6'				

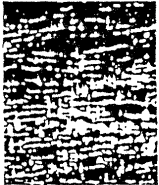
 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 49		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/26/89 18:42		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 24.3' DEPTH OF HOLE: 12.8'			X- 640684 Y- 1370302		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine qtz sand, little whole + broken shells up to 1½", little clay, gray (SC)	100%	1 (3.0')		
	2						
	3						
	4						
	5						
	6		Sand, fine qtz sand, trace whole + broken shells up to 1½", little clay, gray (SC)				
	7						
	8						
	9						
	10						
	11		Shell Sand, fine qtz sand, little whole + broken shells up to 2", little clay, gray (SC)				
			Sand, fine qtz sand, trace whole + broken shells up to 1", little clay, gray (SC)				
	12		Shell Sand, fine qtz sand, little whole + broken shells up to 2", little clay, gray (SC)				
	13		TD=12.8 ft				
	14						
	15						
	16						
	17						
	18						
	19						
	20						

CORE NO.:

49

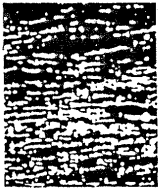

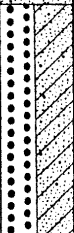
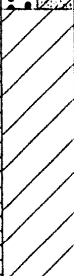

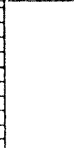
 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 50	
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/27/89 19:24		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 29.0' DEPTH OF HOLE: 20.0'			X- 648530 Y- 1349701		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Sand, fine qtz sand, trace whole + broken shells up to 1", little clay, gray (SC) Shell sand, fine qtz sand, little whole + broken shells up to 1½", little clay, gray (SC)	100%	1 (0.5')	Cut	
	2						
	3						
	4						
	5						
	6						
	7						
	8		Clay, firm, trace whole + broken shells up to 1", gray (CH)	100%		6.8' Cut	
	9		8.4' - 8.6' local shell zone				
	10		Sand, fine qtz sand, little whole + broken shells up to 1", little clay, gray (SC) 9.3' - 9.9' local shell zone				
	11		10.9' - 11.3' local shell zone			13.8' Cut	
	12		Clay, firm, trace whole + broken shells up to 1", sandy zones, gray (CH)				
	13						
	14						
	15						
	16		16.1' - 16.2' local shell zone			20.2' Cut	
	17						
	18		Clayey sand, fine qtz sand, little whole + broken shells up to 1", little clay, gray (SC) Sand, fine qtz sand, little whole + broken shells up to 1", little clay, greenish gray (SC)				
	19						
	20		From 19.1' increase in shell material				
			TD = 20.2 ft				

 olsen associates, inc. Coastal Engineering		PROJECT:			BREVARD COUNTY SAND SEARCH		CORE NO.: 51					
		DRILLER:			A.O.S.S.				DATE OF HOLE:		7/27/89 17:57	
		LOG BY:			F.I.T. Civil/Bacchus				O.A. REP.:		Wm. Buckingham, P.E.	
		DEPTH OF WATER: 49.0'			X- 654322				Y- 1348732			
DEPTH OF HOLE: 16.7'												
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS						
			Shell sand, fine qtz sand, little whole + broken shells up to 2", little clay (SW-SC)			Cut						
	1		Organic Clay, firm, trace whole + broken shells up to 1", dark gray (OH)	100%								
	2											
	3		Clay, firm, trace whole + broken shells up to 1", trace fine qtz sand, gray (CH)									
	4											
	5		Clay, firm, little whole + broken shells up to 2", greenish gray (CH)									
	6											
	7											
	8		Shelly Clay, little whole + broken shells up to 3", light gray with greenish tinge (GC)			7.5' Cut						
	9											
	10											
	11		Shelly Clay, little whole + broken shells up to 3", trace fine qtz sand, gray (GC)	100%								
	12											
	13		Sand, fine qtz sand, trace whole + broken shells up to 1 1/2", little clay, gray (SC)	100%		12.4' Cut						
	14		Sand, med to coarse qtz sand, trace whole + broken shell up to 1", light gray (SP)									
	15											
	16		Shell Sand, med to coarse qtz sand, little whole + broken shells up to 1 1/2", light gray (SW)			16.8' Cut						
	17		TD = 16.8 ft									
	18											
	19											
	20											

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH			52		
		DRILLER:		DATE OF HOLE:			
		A.O.S.S.		7/27/89 16:28			
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 52.4'		X- 658601					
DEPTH OF HOLE: 17.5'		Y- 1346631					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
			Clay, firm, some fine quartz sand, trace shell, dark gray (CH)	100%			
	1		Shell Sand, fine sand to 1/2" shell, little fine quartz, little shell fragments to 3", little clay, greenish gray (GC)				
	2						
	3						
	4						
	5		4.6 to 5.3 ft, clay layer, trace sand, trace shell to 1/2", greenish gray (CL)				
	6					5.9' Cut	
	7		Shell Sand, medium to coarse sand to 1/2" shell, trace fine quartz, yellowish brown (SW)	100%			
	8						
	9		Shell sand, medium to coarse sand to 1/2" shell, little broken and shell fragments to 3", little clay, gray (GC)				
	10						
	11						
	12					11.7' Cut	
	13		Sand, medium to coarse to 1/2" shell, trace fine to medium quartz, little fine to 1/2" shell fragments, tan, (SP)	100%			
	14						
	15		12.2 to 12.8 ft, 13.6 to 14.0 ft, 16.4 to 17.5 ft., localized shell zones				
	16						
	17					17.5' Cut	
	18		TD 17.5'				
	19						
	20						








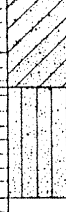
CORE NO.:

52

 olsen associates, inc. Coastal Engineering		PROJECT:			BREVARD COUNTY SAND SEARCH		CORE NO.: 53	
		DRILLER:			A.O.S.S.			
		DATE OF HOLE:			7/27/89 18:43			
		LOG BY:			F.I.T. Civil/Bacchus			
O.A. REP.:			Wm. Buckingham, P.E.					
DEPTH OF WATER: 27.5'			X- 650249			Y- 1345130		
DEPTH OF HOLE: 13.1'								
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS		
	1		Sand, fine quartz and shell fragments, trace shells to 1 1/2 in., trace clay, gray (SP).	1 (1.5')				
	2							
	3		Shell sand, fine sand to 3/4 in. whole and shell fragments, little fine quartz, little clay, gray, (SW-SC)	2 (4.0')				
	4							
	5							
	6		Clay, sandy, little fine quartz sand, fine to 1 inc. shell fragments, gray, (Cl.) 7.0 to 7.5 ft., local shell zone.			6.7' cut		
	7							
	8							
	9		9.0 to 9.6 ft., local shell zone					
	10							
	11							
	12							
	13		Sand, clayey, fine quartz, fine to 1/2 in. shell fragments, gray, (SC)			13.1' cut		
	14							
	15							
	16							
	17							
	18							
	19							
	20							
			TD 13.1'					



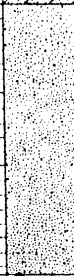
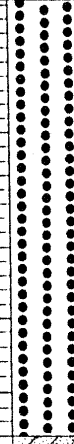


CORE NO.:

53

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:	
		BREVARD COUNTY SAND SEARCH			54	
		DRILLER:			DATE OF HOLE:	
		A.O.S.S.			7/27/89 15:20	
LOG BY:		O.A. REP.:				
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.				
DEPTH OF WATER: 42.4'		X- 655603				
DEPTH OF HOLE: 18.0'		Y- 1339883				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
			Shell Sand, fine to med qtz sand, little whole + broken shells up to 2", little clay, gray (SW-SC)			Cut
	1		Clay, firm, trace whole + broken shells up to 1", gray (CH)	100'		
	2					
	3					
	4		Clay, firm, little whole + broken shells up to 1 1/2", little fine to med qtz, gray (CH)			
	5					
	6					
	7		Shelly clay, little whole + broken shells up to 1 1/2", light gray with a greenish tinge (GC)	100'		7.0' Cut
	8					
	9					
	10		Sand, fine qtz sand, trace whole + broken shells up to 1", little clay, gray (SC)			
	11					
	12					
	13		Shell Sand, fine qtz sand, little whole + broken shells up to 1 1/2", little clay, gray (SC)	100%		13.0' Cut
	14					
	15		14.3' - 15.0' fine qtz sand			
	16		Shell sand, fine qtz sand + carbonate little whole + broken shells up to 1", rock fragments to 4", little silt, light gray (SM)			
	17					
	18		TD = 18.0 ft			18.0' Cut
	19					
	20					


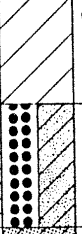
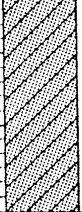

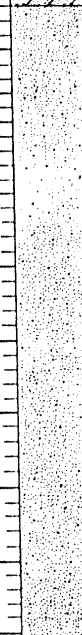
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
54





 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:	
		BREVARD COUNTY SAND SEARCH			55	
		DRILLER:		DATE OF HOLE:		
		A.O.S.S.		7/27/89 13:55		
LOG BY:		O.A. REP.:				
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.				
DEPTH OF WATER: 45.2'		X- 660025				
DEPTH OF HOLE: 18.5'		Y- 1330707				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Clayey sand, fine to med qtz sand little whole + broken shell up to 1", little clay, gray (SC)	100%	1 (3.0')	Cut
	2		Shell Sand, fine to med qtz sand, little whole + broken shell up to 2", little clay, light gray (SC)			
	3					
	4					
	5		Sand, fine to med qtz sand, trace whole + broken shells up to 3/4", little clay, light gray (SC)	100%	2 (6.0')	6.8' Cut
	6					
	7		Sand, med to coarse qtz sand, trace whole + broken shells up to 3/4", light gray (SP)	100%	3 (8.5')	
	8					
	9					
	10					
	11		Shell Sand, med to coarse qtz sand little whole + broken shells up to 1 1/2", light gray (SW)	100%	4 (14.0')	12.6' Cut
	12					
	13					
	14					
	15					
	16					
	17		Shell sand, fine to med qtz sand, little whole + broken shells up to 2", little clay, gray (SC)	100%	5 (18.0')	19.3' Cut
	18					
	19					
	20		TD = 19.3 ft			

CORE NO.:

55



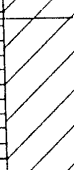
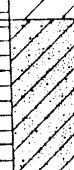

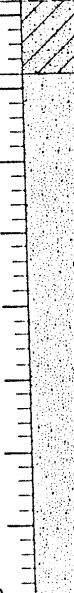
 olsen associates, inc. Coastal Engineering	PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 56	
	DRILLER: A.O.S.S.			DATE OF HOLE: 7/27/89 12:06		
	LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
	DEPTH OF WATER: 41.5' DEPTH OF HOLE: 19.0'			X- 664132 Y- 1321886		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
	1		Clay, firm, trace quartz sand, little shell fragments to 1/2", dark gray (CL)	100%	1 (2.5')	
	2		Sand, medium quartz, little fine to 1" shell fragments little clay, light gray (SW-SC)			
	3					
	4		Shell sand, medium to coarse, to 1" shell fragments, little medium quartz, little broken shell to 6", little clay greenish gray (GC)			
	5					
	6					
	7		Sand, fine to medium quartz, little shell and shell fragments to 1", little clay, gray (SC)	100%		6.2' Cut
	8					
	9		8.5 to 9.4 ft - local shell zone			
	10		Sand, medium to coarse, quartz and shell fragments, trace shell fragments to 1/2", light gray (SP)			
	11					
	12					
	13			100%	13.0' Cut	
	14					
	15					
	16		16.3 to 18.1 ft., shelly sand			
	17					
	18				18.1' Cut	
	19		TD = 18.1'			
	20					

 olsen associates, inc. Coastal Engineering		PROJECT:			CORE NO.:		
		BREVARD COUNTY SAND SEARCH			57		
		DRILLER:		DATE OF HOLE:			
		A.O.S.S.		7/27/89 11:02			
LOG BY:		O.A. REP.:					
F.I.T. Civil/Bacchus		Wm. Buckingham, P.E.					
DEPTH OF WATER: 42.4'		X- 668579					
DEPTH OF HOLE: 14.5'		Y- 1312820					
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell clay, fine to 1½' whole shell and shell fragments, little fine to medium quartz sand, gray (GC)	100%	1 (2.6')		
	2		1.3 to 1.8 ft, clay, firm, dark gray (CH)				
	3		Sand, medium to coarse quartz, little shell fine to ½", light gray (SP)				
	4						
	5		Sand, fine to medium quartz, trace shell to ¼", light gray (SP)	100%	2 (6.0')	5.4' Cut	
	6						
	7						
	8						
	9						
	10				3 (9.0')	10.1' Cut	
	11						
	12						
	13						
	14					100%	4 (13.0')
	15		TD 14.5'				
	16						
	17						
	18						
	19						
	20						

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 58		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/27/89 10:10		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 41.8' DEPTH OF HOLE: 11.3'			X- 672827 Y- 1304827		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shell Clay, fine to 3" whole shells and shell fragments, little fine to medium quartz sand, gray (GC)	100%			
	2			0.0 to 0.6 ft, gravelly with shell and rock fragments to 4"			
	3						
	4						
	5						
	6						
	7		Shell Sand, mixture of fine quartz and fine to 1/2" whole shell and shell fragments, little clay, dark gray, (SW)	100%	1 (7.0')		
	8						
	9	Sand, fine to medium, quartz and shell, shell fragments to 1/8", gray (SP)			2 (10.0')		
	10						
	11		TD 11.1'			11.1' Cut	
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						



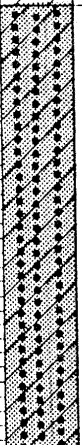
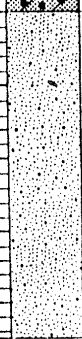
CORE NO.:

58

 olsen associates, inc. Coastal Engineering		PROJECT: BREVARD COUNTY SAND SEARCH			CORE NO.: 59		
		DRILLER: A.O.S.S.			DATE OF HOLE: 7/27/89 9:18		
		LOG BY: F.I.T. Civil/Bacchus			O.A. REP.: Wm. Buckingham, P.E.		
		DEPTH OF WATER: 42.0'			X- 677305 Y- 1295989		
DEPTH OF HOLE: 20.0'							
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS	
	1		Shelly Clay, little whole + broken shells up to 1", little clay, trace fine qtz sand, light gray (GC)	100%		Cut	
	2						
	3		Sandy Clay, little whole + broken shells up to 1/2", little fine qtz, little clay, gray (CL)				
	4		Shell Sandy Clay, little whole + broken shells up to 1 1/2", little fine qtz sand, little clay, gray (CL)				
	5						
	6						
	7		Clayey Sand, fine qtz sand, little whole + broken shells up to 1", little clay, gray (SC)	100%		7.1' Cut	
	8						
	9		9.3' - 9.7' trace med to coarse qtz sand				
	10		Shell sand, fine to med to coarse qtz sand, little whole + broken shells up to 1 1/2", trace clay, gray (SW)			13.9' Cut	
	11						
	12		Clayey Sand, fine qtz sand, trace whole + broken shells to 1/2", little clay, gray (SC) 12.6 - 12.8' local shell zone				
	13		Sand, fine to med qtz sand, trace whole + broken shells up to 1/2", trace clay, light gray (SP)	100%			
	14						
	15						
	16						
	17						
	18						
	19						
	20						
			TD = 20.1 ft			20.1' Cut	

CORE NO.:

59

 olsen associates, inc. Coastal Engineering	PROJECT: BREVARD COUNTY SAND SEARCH				CORE NO.: 60	
	DRILLER: A.O.S.S.				DATE OF HOLE: 7/27/89 8:21	
	LOG BY: F.I.T. Civil/Bacchus				O.A. REP.: Wm. Buckingham, P.E.	
	DEPTH OF WATER: 41.7'				X- 681822	
DEPTH OF HOLE: 11.5'				Y- 1287433		
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	SAMPLE NO.	REMARKS
			Clay, firm, little shell fragments to 1/2", trace quartz sand, gray (CL)	100%		
	1		Shell Clay, fine to 1 1/2" whole shells and shell fragments, little fine to medium quartz sand, light gray. (GC)	100%		6.1' Cut
	2					
	3					
	4					
	5					
	6					
	7		Sand, fine to medium, quartz and shell fragments, little shell fragments to 1/2", light gray (SP)	100%	1 (7.4') 2 (9.4')	11.5' Cut
	8					
	9					
	10					
	11					
	12		TD 11.5'			
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					

CORE NO.:

60