PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-106 STATION: 495+500; 30' from Bank TIDE READING +3.0 M.L.T.

LABORATORY LOG AND SUMMARY OF SOIL TESTS

SAMPLE NO.	ELEVATION OR DEPTH FEET	W %	ATTERBERG LIMITS LL	PL	PI	SL	SIEVE ANALYSIS % RETAINED #4	#10	#40	#200	DRY UNIT WEIGHT LB/FT³	UNCONFINED COMPRESSION STRESS TSF	% STRAIN AT FAILURE	SOIL DESCRIPTION
--	0 - 3													Water
J-1	4.5 - 5	24												Clayey sand w/large shell, brown & gray (SC)
J-2	7.5 - 8	31												Clayey sand w/shell & shell fragments, gray (SC)
J-3	9 - 9.2	23												Clayey sand w/shell fragments, gray, 0.2' Recovery due to large shell (SC)
J-4	13.5 - 14	27												Clayey sand w/shell & shell fragments, gray (SC)
J-5	15 - 15.4	23												Clayey sand w/shell & shell fragments, gray, sample fell out of tube, Recovery = 0.4' (SC)
J-6	18 - 19	26												Sand, slightly silty, tan, sample fell out of tube, Recovery = 1.0' (SM-SP)
J-7	21 - 21.5	25					1.9	2.6	3.1	90				Sand, slightly silty, tan, loose Recovery = 0.5' (SM-SP)
J-8	24 - 25.5	30												Silty sand w/clay seams, tan, loose (SM)
J-9	27 - 28	20												Silty sand w/clay seams, tan, medium dense, Recovery = 1.0' (SM)
J-10	30 - 31	32												Silty sand w/clay seams, tan, medium dense Recovery = 1.0' (SM)
J-11	33 - 34	24												Silty sand w/clay seams & shell fragments, tan, dense, Recovery = 1.0' (SM)
J-12	36 - 37	22					0.5	1	1.5	80				Silty sand w/clay seams, tan, Recovery = 1.0' (SM)
J-13	40.5 - 41	24												Sandy silt w/clay seams, tan (ML)
--	42 - 43.5													No Recovery w/splitspoon Blow Count = 5/7/7

PROJECT:

BORING NO. 83-106 (Continued) STATION: TIDE READING

LABORATORY LOG AND SUMMARY OF SOIL TESTS

SAMPLE NO.	ELEVATION OR DEPTH FEET	W %	ATTERBERG LIMITS LL	PL	PI	SL	SIEVE ANALYSIS % RETAINED #4	#10	#40	#200	DRY UNIT WEIGHT LB/FT³	UNCONFINED COMPRESSION STRESS TSF	% STRAIN AT FAILURE	SOIL DESCRIPTION
Q-14	46 - 47	33	59	27	32		4	4.2	4.6	9				Clay w/slickensides, calcareous nodules & gypsum crystals, gray & brown, very stiff (CH)
Q-15	49 - 50	29												Clay w/calcareous nodules, gray & tan, very stiff (CH)
Q-16	52 - 53	42	52	27	25		3	5	9	14	84	1.49		Clay w/calcareous nodules & sand pockets, gray, stiff to very stiff (CH)
J-17	55.5-56	21												Silt w/clay seams, tan (ML)
Q-18	58 - 59	26												Clay w/calcareous nodules & slickensides, tan & gray, very stiff (CH)
Q-19	61 - 62	25												Clay w/calcareous nodules & slickensides, tan & gray, very stiff (CH)
Q-20	64 - 65	18	33	15	18									Sandy clay w/calcareous nodules, tan & gray, hard (CL)
	Bottom of Boring													