PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-111 STATION: 462+000; 20' from Bank TIDE READING +2.4 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 - 3.5													Water
Q-1	3.5-4.5	25												Clayey sand w/shell fragments, gray (SC)
J-2	6 - 6.3	28												Clayey sand w/shell fragments, gray Recovery = 0.3' (SC)
--	9 - 10.5													No recovery w/splitspoon, blow counts = 12" w/weight of hammer & 1 for 6"
J-3	12 - 12.5	25												Clayey sand w/shell fragments, gray Recovery = 0.7' (SC)
Q-4	16 - 17	50												Clay w/clayey sand seams, gray, very soft (CH)
Q-5	19 - 20	35												Clay w/shell fragments, gray, very soft (CH)
Q-6	22 - 23	40	53	21	32		0	0	0.1	14	76	0.32		Clay w/shell fragments, brown, soft (CH)
Q-7	25 - 26	55												Clay w/shell fragments, brown, very soft to soft (CH)
Q-8	27 - 28	49												Clay w/shell fragments, brown, very soft to soft, Recovery = 1.4' (CH)
--	30 - 32													No Recovery w/shelby tube or splitspoon
Q-9	34 - 35	51												Clay w/shell fragments, gray, very soft to soft (CH)
Q-10	36 - 37	50	57	21	36		0	0.2	0.6	19				Clay w/shell fragments, gray, very soft to soft (CH)
Q-11	40 - 41	29												Sandy clay w/shell fragments, gray, very soft to soft (CL)
Q-12	43 - 44	54												Clay w/shell fragments, gray, soft (CH)

PROJECT:

BORING NO. 83-111 (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
J-13	46.5-47	45												Clay w/shell fragments, gray, soft (CH)
Q-14	49 - 50	38												Clay w/shell fragments, gray, soft (CH)
Q-15	52 - 53	26	31	16	15		0	0	0	9	95	0.60		Sandy clay w/calcareous nodules, gray, medium stiff (CL)
Q-16	55 - 56	27												Sandy clay w/sand seams, gray, soft to medium stiff (CL)
J-17	58.5-59	21												Clayey sand w/sand seams, gray (SC)
Q-18	62 - 63	32												Clay w/calcareous nodules & slickensides, tan and gray, very stiff (CH)
Q-19	65 - 66	19	41	18	23		0	3	12	20				Sandy clay w/calcareous nodules, sand seams & slickensides, tan&gray, very stiff (CL)
J-20	67 - 67.5	22												Silt w/clay seams, tan, medium dense (ML)
J-21	70 - 70.5	24												Silty sand w/shell fragments, tan, dense (SM)
	Bottom of Boring													Recovery = 0.5'