PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-99 STATION: 445 + 950; 45' from Bank TIDE READING +3.2 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	3 - 3.5	23												Silty sand w/shell fragments, brown and gray, loose, 0.5' recovery (SM)
J-2	6 - 6.3	22												Silty sand w/shell fragments, brown and gray, very loose, 0.3' recovery (SM)
J-3	9 - 10	38												Sandy clay w/sand seams and shell fragments, gray, very soft (CL)
J-4	12 -12.5	34												Sandy clay w/shell fragments, gray, very soft (CL)
	14													
Q-5	16 - 17	34												Sandy clay w/sand pockets and shell fragments, dark gray, soft to medium stiff (CL)
	18													
Q-6	19 - 20	27												Clay w/calcareous and ferrous nodules and slickensides, gray and tan, stiff (CH)
Q-7	22 - 23	27												Clay w/sand pockets and seams, brown and gray, very stiff (CH)
Q-8	24 - 25	25	51	19	32		0	0.2	0.4	25	103	1.87		Clay w/slickensides and sand seams, brown stiff to very stiff, shell seams 25-26' (CH)
Q-9	28 - 29	21												Clay w/slickensides and sand seams, brown, stiff to very stiff (CH)
Q-10	31 - 32	32												Clay w/slickensides and silt seams, brown very stiff (CH)
	33													
Q-11	34 - 35	27	36	17	19		0	0	0	3				Silty clay w/sand seams, brown, very stiff (CL)
Q-12	37 - 38	23												Silty clay w/slickensides and sand seams, brown, very stiff (CL)
	39													
Q-13	40 - 41	33												Clay w/slickensides and calcareous nodules, tan and gray, very stiff (CH)
	42													
Q-14	43 - 44	18	35	15	20		0	0	0	12	112	2.96		Sandy clay, gray, very stiff (CL)

PROJECT:

BORING NO. 83-99 (Continued) STATION: 445 + 950; 45' from Bank TIDE READING +3.2 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
Q-15	46 - 47	16												Sandy clay w/sand seams and calcareous nodules, gray, very stiff (CL)
	48													
Q-16	49 - 50	22												Clay w/sand seams and calcareous nodules, tan, very stiff (CH)
Q-17	52 - 53	24	63	21	42									Clay w/slickensides and calcareous nodules, brown and gray, hard (CH)
Q-18	55 - 56	28												Clay w/slickensides and calcareous nodules, brown and gray, hard (CH)
Q-19	58 - 59	24												Clay w/sand seams and calcareous nodules, brown, hard (CH)
Q-20	61 - 62	20	60	16	34		0	0.5	1.3	20				Sandy clay w/calcareous and ferrous nodules, gray and tan, hard (CH)
Q-21	64 - 65	24												Sandy clay w/calcareous and ferrous nodules, tan and gray, very stiff (CH)
	Bottom of boring													