PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-101 STATION: 446 + 575; 50' 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	21												Silty sand w/shell fragments, gray, loose, 0.5' recovery (SM)
Q-2	7 - 8	31												Clayey sand w/sand seams and shell fragments, gray (SC)
Q-3	10 - 11	47												Clay w/sand pockets and shell fragments, dark gray, very soft (CH)
Q-4	13 - 14	78												Clay w/sand seams and shell fragments, dark gray, very soft (CH)
Q-5	16 - 17	31	61	25	36		0	0.3	0.6	8	90	1.52		Clay w/sand seams and calcareous nodules, dark gray, stiff (CH)
Q-6	19 - 20	31												Clay w/slickensides and calcareous nodules, dark gray, medium stiff (CH)
Q-6A	22 - 23	20												Silty clay w/slickensides and calcareous nodules, light gray and tan, stiff (CL)
Q-7	24 - 25	16												Silty clay w/calcareous nodules, tan and light gray, stiff to very stiff (CL)
Q-8	28 - 29	19	45	19	26		0	0.2	0.4	6				Silty clay w/calcareous nodules, tan and gray, very stiff (CL)
Q-9	30 - 31	19												Silty clay w/slickensides, brown and gray very stiff (CL)
Q-10	34 - 35	19												Silty clay w/calcareous nodules, brown, very stiff (CL)
Q-11	37 - 38	20												Silty clay w/calcareous nodules, brown very stiff (CL)
Q-12	40 - 41	20	38	16	22		0	0	0	14	107	2.54		Silty clay w/silt seams and calcareous nodules, very stiff (CL)
Q-13	43 - 44	17												Silty clay w/calcareous nodules, tan and gray, hard, pulled off lower part of sample (CL)

PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-101 (Continued) STATION: 446 + 575; 50' 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-14	45 - 46	19												Silty clay w/calcareous nodules and silt seams, tan and gray (CL) clayey silt 45.7-47' (ML)
Q-15	48 - 49	19	51	22	29									Clay w/calcareous nodules, brown, hard, pulled off lower part of sample (CH)
Q-16	51 - 52	22												Clay w/slickensides, brown, hard; pulled off lower part of sample (CH)
Q-17	54 - 55	23												Clay w/slickensides and calcareous nodules, brown and gray, hard (CH)
Q-18	58 - 59	25	65	24	41		0	0	0.2	0.5				Clay w/slickensides and calcareous nodules, brown, hard (CH)
Q-19	61 - 62	19												Sandy clay w/calcareous nodules, tan and gray very stiff (CL)
Q-20	64 - 65	18												Sandy clay w/calcareous nodules, tan and gray very stiff (CL)
	Bottom of boring													

* Hand penetrometer was not available during this boring so consistencies were estimated by hand.