PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-102 STATION: 448 + 450; 40' from Bank TIDE READING +2.8 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 - 2													Water
J-1	3.5 - 4	27												Clayey sand w/shell fragments, gray, (SC)
J-2	5.5 - 6	32												Clayey sand w/shell fragments, gray, (SC)
Q-3	9 - 10	36	45	18	27									Sandy clay w/sand seams and shell fragments, tan and gray, medium stiff (CL)
Q-4	12 - 13	31												Clay w/slickensides and sand pockets, tan and gray, stiff to very stiff (CH)
Q-5	15 - 16	21												Clay w/slickensides and silt seams, tan and gray, very stiff (CH)
Q-6	18 - 19	32	75	27	48						92	1.91		Clay w/slickensides, tan and gray, stiff to very stiff (CH)
Q-7	21 - 22	29												Clay w/slickensides and silt pockets, tan and gray, very stiff (CH)
Q-8	24 - 25	22												Silty clay w/slickensides and silt pockets, brown, very stiff to hard (CL)
Q-9	27 - 28	25	31	17	14		0	0	0	9				Silty clay w/silt seams and sand pockets, brown, very stiff (CL)
Q-10	30 - 31	21												Clay w/slickensides and silt seams and sand pockets, tan and gray, very stiff to hard (CH)
J-11	32.5 - 33	24					0	0	0	49				Clay to 32.3' (CH); Sandy silt, tan 32.3-33.4 (ML)
Q-12	36 - 37	26	53	22	31		0	0.2	0.7	1.4				Clay w/slickensides and silt seams, tan, very stiff, 33.4-37.0' (CH)
Q-13	39 - 40	34												Clay w/slickensides and silt seams, tan and gray, very stiff (CH)
Q-14	42 - 43	25												Clay w/slickensides and calcareous nodules, gray and tan, very stiff (CH)

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BORING NO. 83-102 (Continued) STATION: 448 + 450; 40' from Bank TIDE READING +2.8 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	45 - 46	18												Silty clay w/slickensides and calcareous nodules, tan and gray very stiff (CL)
Q-16	48 - 49	19	27	16	11		0.6	1.3	2	13	110	1.52		Silty clay w/silt seams and calcareous nodules, tan, stiff to very stiff (CL)
J-17	51.5 - 52	20												Sandy silt w/clay seams, tan (ML)
Q-18	54 - 55	25												Clay w/slickensides and calcareous nodules, tan and gray, hard (CH)
Q-19	57 - 58	24	57	17	40		0	0	0.1	0.4	102	3.08		Clay w/slickensides, brown, very stiff to hard (CH)
Q-20	60 - 61	23												Clay w/silt seams, brown, very stiff (CH)
Q-21	63 - 64	22												Clay w/silt seams and calcareous nodules, brown and gray, very stiff (CH)
	Bottom of boring													