PROJECT: Gulf Intracoastal Waterway
Mooring Facilities - Colorado River Locks

BORING NO. 83-104 STATION: 449+200; 35' 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	3 - 3.5	24												Clayey sand w/shell fragments, dark gray, very soft, (lower part of sample fell out)(SC)
J-2	7.5 - 8	24												Clayey sand w/shell, dark gray, very soft (SC)
Q-3	9 - 9.5	25												Clay w/calcareous nodules & sand pockets & slickensides, brown & gray, very stiff (CH)
Q-4	13 - 14	27	68	23	45		0	0	0	0.2				Clay w/calcareous nodules & slickensides, brown & gray, very stiff (CH)
Q-5	15 - 16	31												Clay w/slickensides, brown & gray, very stiff pulled off lower part of sample (CH)
Q-6	19 - 20	26												Clay w/slickensides, brown & gray, very stiff (CH)
Q-7	22 - 23	29	CH											Clay w/slickensides & occasional silt seams & pockets, brown, very stiff (CH)
Q-8	25 - 26	20												Clay w/slickensides, calcareous nodules & silt seams, brown, very stiff (CH)
Q-9	28 - 29	28	64	25	39		0	0	0	1	94	2.44		Clay w/slickensides & silt seams, brown, very stiff (CH)
Q-10	31 - 32	26												Clay w/slickensides & silt seams & shell fragments, brown, very stiff (CH)
J-11	33-33.8	27	SM											Silty sand, tan, lower part of sample fell out of tube (SM)
Q-12	37 - 38	26	26	CH										Clay w/shell fragments, brown, very stiff (CH)
Q-13	40 - 41	30	37	15	22		0	0	0	4	93	1.37		Silty clay w/silt seams, gray, stiff (CL)
Q-14	43 - 44	21												Silty clay w/silt seams & calcareous nodules, tan & gray, stiff (CL)

PROJECT:

BORING NO. 83-104 (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-15	46.5 - 47	19	22	13	9		10	11	16	42				Sandy clay w/calcareous nodules, tan (CL)
J-16	49.5 - 50	21												Clayey silt, slightly sandy, tan (ML)
J-17	51 - 52.5	22												Silty sand w/calcareous nodules, tan, dense (SM)
J-18	54 - 55	26												Silty sand w/calcareous nodules & clay seams, tan, medium dense (SM)
J-19	57 - 58	24												Silty sand w/clay seams, tan, medium dense 57-58'(SM); Clay, tan & gray, 58-58.5' (CH)
J-20	60.4 - 61	21												Clay, tan & gray, very stiff 60-60.4' (CH) Silty sand w/clay seams, tan, 60.4-61' (SM)
Q-21	64 - 65	25												Clay w/sand seams, brown, very stiff (CH)
	Bottom of Boring													

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