

U.S. ARMY CORPS OF ENGINEERS

BORING NO. 91-239 DATE: BEGIN 8-8-91 PAGE 111
 JOB NO. 146494 COMPLETE 8-8-91 Thin Walled Tube 3" 6"
 PROJECT GEIWW
 LOCATION Sargeant Beach
 ELEVATION OF HOLE _____
 MANUFACTURER'S DESIGNATION OF DRILL RIG Falling-34
 GROUNDWATER: DEPTH 2'6" ft., ELEV. _____ ft., at end of Drilling
 WEATHER P.C. - Hot
 DRILLER R. Tankersley LOGGER J. Berg

DEPTH, FEET	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	COLOR	MATERIAL TYPE	CONSIS- TENCY	SECONDARY CONSTITUENTS	STRUCTURAL FEATURES AND COMMENTS
0	1	1.5	GRAY TAN	Clay	Stiff	Silt	w/roots
	2	1.0	Tan	"	"	"	
6	3	1.5	"	"	"	"	
	4	1.75	"	"	"	"	
	5	2.0	"	"	"	"	
10	6	1.5	"	"	"	"	
	7	1.5	"	"	"	"	
15	8	1.5	"	"	"	"	
	9	1.5	"	"	"	Silt	
	10	1.0	"	"	"	Silt	
	11	.5	"	"	Med Stiff	"	
	12	.5	"	"	"	"	
25	13	1.5	"	Silt	"	Clay	
	14	1.5	Tan Gray	"	"	"	
	15	.5	GRAY	"	"	"	
30	16	.5	"	"	"	"	
	17	1.75	"	"	"	"	
35	18	1.0	"	"	Stiff	"	

Bottom of 91-239

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 91-239

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0-2	1.00		Dark gray,Clay,Stiff,w/Roots & sand pockets	CH	30.2											
2	2-4	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	28.1											
3	4-6	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	39.8	82.2	114.9	70	27	100.0	100.0	100.0		100.0		
4	6-8	1.00		Brown,Clay,Stiff,w/Ferrous stains	CH	39.0											
5	8-10	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	38.3											
6	10-12	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	41.3											
7	12-14	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	44.8											
8	14-16	1.50		Brown,Clay,Stiff,w/Ferrous stains	CH	43.0											
9	16-18	0.50		Brown,Clay,Medium stiff,Silty <i>soft</i>	CL	29.7	89.9	116.6	33	18	100.0	99.9	99.8		99.6		
10	18-20	0.50		Brown,Clay,Medium stiff,w/Calcareous nodules <i>soft</i>	CH	41.6											
11	20-22	0.25		Brown,Clay,Soft,Silty	CL	27.0											
12	22-24	0.25		Brown,Clay,Soft,Silty	CL	27.1											
13	24-26	0.25		Brown,Clay,soft,Silty	CL	27.2											
14	26-28	0.25		Brown,Clay,Soft	CH	35.1	81.0	109.4	76	28	100.0	100.0	100.0		99.4		
15	28-30	0.25		Gray & Brown,Clay,Soft,w/Organic material	CH	37.6											
16	30-32	0.25		Gray & Brown,Clay,Soft,w/Organic material	CH	45.7											
17	32-34	1.00		Gray & Dark gray,Clay,Stiff,w/Organic material	CH	77.6											

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

