

LOG OF BORING

Date Started 2-28-72 Date Completed 3-1-72 Boring No. 3-4

Sampler Type SS Dia. 1 3/8" Casing Length 30' Station & Offset 44+95.4' RT. (REAR PIER)

Water Elev. _____ Surface Elev. 769.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.			
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.						
769.0	0																			
	2																			
	4																			
764.0	5	6/5			BROWN SILTY CLAY	1	2	2	2	46	48	35	16	23					A-6b	
	8																			
759.0	10	6/4			GRAY GRAVELLY SANDY SILT	2	21	17	21	19	22	21	7	21					A-6a	
	12																			
754.0	14				GRAY GRAVELLY CLAY	3	33	5	8	25	29	26	11	16					A-6a	
	16	22/14																		
749.0	18																			
748.5	20	30/1			GRAY WEATHERED SHALE	4	42	20	9	21	8	20	4	15					VISUAL	
	22																			
	24		3.6	0.9																
	26																			
	28																			
	30																			
	32																			
	34																			
734.0	34				SHALE, DARK-GRAY AND GRAY, FIRM, CARBONACEOUS AND FISSILE-IN-PART, BROKEN AND JOINTED. CORE LOSS 5%.															

TOP OF ROCK

BOTTOM OF BORING

LOG OF BORING

Date Started 3-24-72 Date Completed 3-25-72 Boring No. 3-10

Sampler Type SS Dia. 1 3/8" Casing Length 27' Station & Offset 48+01.3' RT. (FORWARD ABUTMENT)

Water Elev. _____ Surface Elev. 772.2'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.							
773.3	0																				
	2																				
	4																				
768.3	5	3/4			BROWN SANDY SILT	1	11	8	18	41	22	24	9	22						A-6a	
	8																				
763.3	10	6/8			GRAY SILT	2	2	3	9	63	23	21	6	18						A-6b	
	12																				
758.3	14				GRAY SILT	3	0	1	6	63	30	22	6	18						A-6b	
	16	5/5																			
	18																				
753.3	20	6/9			GRAY SILT AND CLAY	4	2	3	4	30	61	32	11	28						A-6a	
	22																				
	24																				
748.3	24				BOULDERS (DRILLER'S DESCRIPTION)																
746.3	26	22/37			GRAY SANDY SILT WITH SHALE FRAGMENTS	5	57	14	7	14	8	20	5	18						A-1-2	
	28																				
	30																				
	32																				
	34																				
	36																				
	38																				
733.3	40				CLAY SHALE, DARK-GRAY AND GRAY, MEDIUM-FIRM, CARBONACEOUS AND FISSILE-IN-PART, VERY BADLY BROKEN IN UPPER 10 FEET, BROKEN AND JOINTED IN REMAINDER. CORE LOSS 5%.																

TOP OF ROCK

BOTTOM OF BORING

LOG OF BORING

Date Started 2-18-72 Date Completed 2-23-72 Boring No. 3-7

Sampler Type SS Dia. 1 3/8" Casing Length 27' Station & Offset 43+15.30' LT. (REAR ABUTMENT)

Water Elev. _____ Surface Elev. 772.3'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.					
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.								
772.3	0																					
	2																					
	4																					
767.3	5	9/13			BROWN SILT AND CLAY	1	6	3	11	46	34	26	11	17							A-6a	
	8																					
762.3	10	7/8			GRAY CLAYEY SILT	2	1	2	10	50	37	24	10	16							A-6b	
	12																					
757.3	14				GRAY CLAYEY SILT	3	0	1	5	59	35	25	9	22							A-6b	
	16	6/8																				
752.3	18				GRAY SILT AND CLAY	4	7	4	9	39	41	28	12	17							A-6a	
	20	6/9																				
747.3	22																					
745.3	24	12/16			GRAY SILTY SANDY GRAVEL	5	41	12	8	28	11	22	6	13							A-6a	
	26																					
	28																					
	30		1.0	1.5																		
	32																					
	34																					
	36																					
	38																					
732.3	40				SHALE, DARK-GRAY AND GRAY, FIRM, CARBONACEOUS AND FISSILE-IN-PART, BROKEN AND JOINTED. CORE LOSS 13%.																	

TOP OF ROCK

BOTTOM OF BORING

LOG OF BORING

Date Started 2-16-72 Date Completed 2-17-72 Boring No. 3-12

Sampler Type SS Dia. 1 3/8" Casing Length 24.5' Station & Offset 47+24.7' RT. (5TH PIER)

Water Elev. _____ Surface Elev. 772.4'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.						
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.									
773.4	0																						
	2																						
	4	5/7			BROWN SILTY GRAVELLY SAND	1	26	20	18	23	13	24	9	15							A-6a		
768.4	5	4/5			BROWN SILTY GRAVELLY SAND	2	22	25	21	22	10	25	9	16							A-2-4		
765.9	8				NO SAMPLE RECOVERED - HOLE CAVED IN																		
763.4	10	3/6			GRAY SILT	3	0	0	20	56	24	22	6	25							A-6b		
	12																						
760.9	14	10/8			GRAY CLAYEY SILT	4	0	1	5	54	40	26	10	24							A-6b		
758.4	16	6/10			GRAY CLAYEY SILT	5	0	0	5	57	38	26	10	24							A-6b		
755.9	18	4/6			GRAY SILT AND CLAY	6	5	6	8	43	38	28	11	21							A-6a		
753.4	20	8/12			GRAY SANDY GRAVELLY SILT	7	3	9	9	26	22	23	9	20							A-6a		
	22																						
748.9	24																						
	26																						
	28																						
	30																						
	32																						
	34																						
	36																						
	38																						
	40																						
718.4	42																						
	44																						
	46																						
	48																						
	50																						
	52																						
	54																						
718.4	54				SHALE, DARK-GRAY AND GRAY, FIRM, CARBONACEOUS AND FISSILE-IN-PART, BROKEN AND JOINTED. CORE LOSS 5%.																		

TOP OF ROCK

BOTTOM OF BORING

LOG OF BORING

Date Started 3-23-72 Date Completed 3-24-72 Boring No. 3-17

Sampler Type SS Dia. 1 3/8" Casing Length 23' Station & Offset 50+42.30' LT. (FORWARD ABUTMENT)

Water Elev. _____ Surface Elev. 773.1'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.							
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.										
773.1	0																							
	2																							
	4																							
768.1	5	2/4			BROWN SILTY SAND	1	14	16																