

MAY 11 1982

LOG OF BORING
 Date Started 9-13-83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.6'
 Date Completed 9-13-83 Casing Length Dia. Station & Offset 17+25 32' RT.
 Boring No. B-9 Surface Elev. 600.6'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
600.6	0													
598.1	2													
595.6	4	2/2/2		RED AND BROWN CINDERS AND SLAG	11	34	22	23	14	7	NP	NP	10	VISUAL
593.1	8	2/6/6		BLACK AND BROWN SOIL AND CINDERS	12	28	33	22	13	4	NP	NP	6	VISUAL
590.6	10	4/4/6		BROWN GRAVELLY SANDY SILT	13	24	14	24	26	12	NP	NP	13	A-4a
588.1	12	3/7/9		RED AND BROWN TILE BRICK BATS AND SOIL	14	32	9	25	21	13	NP	NP	20	VISUAL
585.6	14	10/6/4		BROWN AND GRAY SANDY SILT	15	7	6	11	38	38	30	9	17	A-4a
583.1	16	1/3/2		GRAY SANDY SILT, PEATY	16	0	6	42	35	17	NP	NP	39	A-4a
580.6	20	2/2/9		BROWN AND GRAY SILTY SANDY GRAVEL, TRACE OF ORGANIC	17	40	14	10	21	15	22	4	20	A-4a
578.1	22	3/3/4		BROWN AND GRAY GRAVELLY SANDY SILT, TRACE OF ORGANIC	18	20	11	26	27	16	23	6	41	A-4a
575.6	24	7/8/16		BROWN AND GRAY SILTY SANDY GRAVEL	19	33	20	10	24	13	25	9	15	A-4a
575.2	50(0.4')			BROWN AND GRAY WEATHERED CLAY SHALE	20	62	4	2	21	11	27	9	9	VISUAL

TOP OF ROCK
BOTTOM OF BORING

LOG OF BORING
 Date Started 9-13-83 Sampler Type SS Dia. 1 3/8" Water Elev. 583.5'
 Date Completed 9-13-83 Casing Length Dia. Station & Offset 17+25 55' RT.
 Boring No. B-10 Surface Elev. 601.0'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
601.0	0													
598.5	2													
596.0	4	2/4/3		RED AND BROWN CINDERS AND SLAG	30	38	20	17	17	8	NP	NP	9	VISUAL
593.5	6	2/2/1		BLACK CINDERS AND SOIL	31	41	20	18	17	4	NP	NP	7	VISUAL
591.0	8	1/1/1		BROWN CINDERS AND SOIL	32	20	13	17	33	17	NP	NP	21	VISUAL
588.5	10	PRESS		BLACK AND BROWN GRAVELLY SANDY SILT	33	17	8	16	38	21	35	8	73	A-4a
586.0	12	1/2/4		GRAY WITH BROWN SANDY SILT, TRACE OF ORGANIC	34	16	7	21	33	23	NP	NP	36	A-4a
583.5	14	PRESS		GRAY CLAYEY SILT, TRACE OF ORGANIC	35	0	1	3	58	38	29	8	35	A-4b
581.0	16	PRESS		GRAY CLAYEY SILT	35A	0	1	18	53	28	29	7	33	A-4b
578.5	18	1/1/8		BLACK SAND WITH FIBERS, ORGANIC	36	-	-	-	-	-	-	-	96	VISUAL
577.0	20	6/6/8		BROWN SILTY GRAVELLY SAND	37	27	29	16	19	9	22	7	29	A-2-4
577.0	24	3/6/50		BROWN AND GRAY SILTY SAND AND STONE FRAGMENTS	38	55	9	6	17	13	NP	NP	15	A-2-4

TOP OF ROCK AT ELEVATION 577.0'
BOTTOM OF BORING

LOG OF BORING
 Date Started 9-14-83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.5'
 Date Completed 9-14-83 Casing Length Dia. Station & Offset 17+20 100' RT.
 Boring No. B-11 Surface Elev. 602.5'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
602.5	0													
600.0	2													
597.5	4	4/5/3		RED AND BLACK CINDERS AND SLAG	50	49	22	13	14	2	NP	NP	15	VISUAL
595.0	6	1/1/1		RED CINDERS AND SLAG	51	44	28	13	11	4	NP	NP	15	VISUAL
592.5	8	1/0/1		RED CINDERS AND SLAG	52	55	21	12	8	4	NP	NP	21	VISUAL
590.0	10	1/1/1		RED CINDERS AND SLAG	53	69	13	8	5	5	NP	NP	24	VISUAL
587.5	12	3/3/5		BROWN WITH GRAY GRAVELLY SILT	54	12	3	9	46	30	34	10	23	A-4a
585.0	14	3/3/3		BROWN AND GRAY CLAYEY SILT, TRACE OF ORGANIC	55	0	2	13	54	31	34	10	26	A-4b
582.5	16	PRESS		BROWN AND GRAY ORGANIC SANDY SILT (AVERAGE)	56	12	9	17	34	28	27	8	20	A-4a
580.0	18	4/9/8		BROWN WITH GRAY SILTY SANDY GRAVEL	57	65	12	6	11	6	28	10	16	A-2-4
577.5	20	5/7/8		BROWN WITH GRAY SILTY SANDY GRAVEL	58	45	12	8	21	14	27	9	20	A-2-4
576.6	26	7/50*		GRAY SILT AND STONE FRAGMENTS	59	57	7	5	20	11	NP	NP	11	A-2-4

TOP OF ROCK ELEVATION 576.6'
BOTTOM OF BORING

LOG OF BORING
 Date Started 9/27/83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.2'
 Date Completed 9/27/83 Casing Length Dia. Station & Offset 17+60 CL
 Boring No. B-12 Surface Elev. 615.2'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
615.2	0													
610.2	2													
605.2	4	2/2/3		BROWN SANDY SILT	11	12	8	11	38	31	29	10	22	A-4a
600.2	6	1/1/1		BROWN SANDY SILT	12	14	13	17	44	21	4	18		A-4a
595.2	8	2/6/10		BROWN SAND AND CINDERS	13	21	28	31	15	5	NP	NP	12	VISUAL
592.7	10	2/3/5		GRAY WITH BROWN CLAYEY SILT	14	0	1	7	58	34	29	9	28	A-4b
590.2	12	3/4/7		BROWN SILT	15	0	0	9	58	33	21	5	24	A-4b
587.7	14	1/3/3		BROWN SANDY SILT	16	10	1	18	47	24	23	5	22	A-4a
585.2	16	1/6/12		BROWN SANDY GRAVELLY SILT	17	26	5	14	39	16	22	6	27	A-4a
582.7	18	8/8/9		BROWN WITH GRAY SILTY SANDY GRAVEL	18	50	15	8	17	10	22	5	23	A-2-4
580.2	20	7/6/6		BROWN WITH GRAY SILTY SANDY GRAVEL	19	37	16	16	20	11	22	7	16	A-2-4
577.7	22	2/10/14		BROWN SANDY GRAVEL	20	52	15	7	17	9	-	-	19	VISUAL
577.0	50(0.2')			GRAY WEATHERED CLAY SHALE	21	42	6	4	31	17	-	-	7	VISUAL

TOP OF ROCK
BOTTOM OF BORING

LOG OF BORING
 Date Started 9-12-83 Sampler Type SS Dia. 1 3/8" Water Elev. 580.6'
 Date Completed 9-12-83 Casing Length Dia. Station & Offset 17+60 32' RT.
 Boring No. B-13 Surface Elev. 600.6'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
600.6	0													
595.6	2	10/10/11		BROWN SILTY SAND AND CINDERS	1	24	12	17	30	17	31	8	12	VISUAL
592.1	4	7/7/8		BROWN SILT AND CLAY	2	0	1	10	58	31	31	13	17	A-6a
590.6	6	5/4/6		BROWN SILT AND CLAY	3	0	0	6	60	34	31	12	20	A-6a
588.1	8	6/7/8		BROWN SILT AND CLAY	4	0	0	9	58	33	30	11	19	A-6a
585.6	10	5/4/5		BROWN SANDY CLAY	5	0	1	20	53	26	30	11	22	A-6a
582.1	12	1/3/5		BROWN GRAVELLY SANDY CLAY	6	17	6	12	41	24	30	12	27	A-6a
580.6	14	10/14/16		BROWN SILTY SANDY GRAVEL	7	50	11	6	6	21	NP	NP	17	VISUAL
578.1	16	7/7/5		BROWN AND GRAY SILTY SANDY GRAVEL	8	58	12	7	16	7	24	6	17	A-1-b
575.6	18	12/10/25		BROWN AND GRAY SANDY SILTY GRAVEL	9	63	11	6	14	6	NP	NP	17	VISUAL
575.2	24	50(0.4')		GRAY WEATHERED CLAY SHALE	10	48	8	6	25	17	27	11	11	VISUAL

TOP OF ROCK
BOTTOM OF BORING

LOG OF BORING
 Date Started 9-13-83 Sampler Type SS Dia. 1 3/8" Water Elev. 582.2'
 Date Completed 9-13-83 Casing Length Dia. Station & Offset 17+60 45' RT.
 Boring No. B-14 Surface Elev. 599.7'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
599.7	0													
597.2	2													
594.7	4	6/9/12		BROWN CLAYEY SILT	21	0	0	9	59	32	26	8	13	A-4b
592.2	6	6/6/6		BROWN CLAYEY SILT	22	0	1	7	58	34	26	8	18	A-4b
589.7	8	5/7/9		BROWN CLAYEY SILT	23	0	0	7	59	34	28	9	21	A-4b
587.2	10	2/6/7		BROWN CLAYEY SILT	24	0	0	8	61	31	29	10	20	A-4b
584.7	12	4/7/7		BROWN CLAYEY SILT	25	0	0	15	59	26	29	10	19	A-4b
582.2	14	2/3/4		BROWN WITH GRAY SANDY SILT	26	0	2	19	52	27	25	8	24	A-4b
579.7	16	5/6/7		BROWN SAND AND GRAVEL	27	68	12	5	10	5	NP	NP	19	VISUAL
577.2	18	8/13/12		BROWN SILTY SANDY GRAVEL, TRACE OF ORGANIC	28	32	14	16	25	13	NP	NP	51	VISUAL
576.5	22	7/50*		BROWN AND GRAY WEATHERED CLAY SHALE	29	37	17	7	25	14	27	10	9	VISUAL

TOP OF ROCK
BOTTOM OF BORING

LOG OF BORING
 Date Started 9/20/83 Sampler Type SS Dia. 1 3/8" Water Elev. 585.0'
 Date Completed 9/21/83 Casing Length Dia. Station & Offset 18+00 9' LT.
 Boring No. B-15 Surface Elev. 615.0'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.	
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.
615.0	0													
612.5	2			CINDERS AND GRAVEL										
610.0	4	1/1/2		BROWN SILTY GRAVELLY SAND	17	27	16	16	28	13	NP	NP	26	A-4a
607.5	6	1/1/4		BROWN SILTY GRAVELLY SAND	18	21	16	27	29	7	NP	NP	22	A-4a
605.0	8	3/4/8		BROWN SILTY GRAVELLY SAND	19	26	13	21	29	11	NP	NP	16	A-4a
602.5	10	16/9/7		BROWN SANDY GRAVELLY SILT	20	26	10	10	40	14	NP	NP	20	A-4a
600.0	12	4/5/5		BROWN GRAVELLY SILT	21	26	5	9	37	23	NP	NP	24	A-4a
597.5	14	6/12/5		BROWN SILTY SANDY GRAVEL	22	47	8	25	14	6	NP	NP	15	A-1-b
595.0	16	5/7/10		GRAY GRAVELLY SANDY SILT	23	17	7	29	23	24	NP	NP	18	A-4a
592.5	18	2/3/5		GRAY GRAVELLY SANDY SILT	24	22	8	19	31	20	NP	NP	16	A-4a
590.0	20	1/2/5		GRAY SILT	25	0	0	6	62	32	NP	NP	25	A-4b
587.5	22	2/2/4		BROWN CLAYEY SILT	26	0	0	7	62	31	27	8	27	A-4b
585.0	24	1/2/3		BROWN CLAYEY SILT	27	0	0	8	65	27	27	8	29	A-4b
582.5	26	1/2/4		BROWN SANDY	28	6	9	23	43	19	NP	NP	26	A-4a
580.0	28	1/6/5		BROWN SANDY GRAVELLY SILT	29	30	9	18	27	16	NP	NP	16	A-4a
577.5	30	6/3/9		BROWN SILTY SANDY GRAVEL	30	47	8	8	24	13	26	10	23	A-4a
576.0	32	12/16/27		GRAY SILTY SANDY GRAVEL	31	50	13	8	20	9	23	6	14	A-4-2
575.0	40	50(0.3')		GRAY WEATHERED CLAY SHALE	32	53	3	4	28	12	-	-	11	VISUAL

TOP OF ROCK
BOTTOM OF BORING

OHIO DEPARTMENT OF TRANSPORTATION