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State of Ohio
Department of Transportation
Office of Materials Management

ENGLISH PROJECT

(1/6)

LOG OF BORING

Date Started 10/27/97 Sampler: Type SS Dia. 1 3/8" Water Elev. - Project Identification: LAKE
Date completed 10/28/97 Approx. LAK-86-2.50
Boring No. B-1 Station & Offset 6+30, 7.0' RT. Surface Elev. 650.0' LANDSLIDE INVESTIGATION

Elev. 650.0	Depth	Std. Pen. (N)	Rec. ft	Loss ft	Description	Sample No.	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	ODOT Class
649.00	0	AUGERED			ASPHALT	-	-	-	-	-	-	-	-	-	VISUAL
647.50	2														
	4	7/9/12			BROWN SILTY SANDY GRAVEL	1	45	17	14	13	11	NP	NP	11	A-1-b
645.00	6	19/12/8			BROWN SILTY SANDY GRAVEL	2	46	18	10	15	11	NP	NP	12	A-2-4
642.50	8	14/19/29			BROWN SANDY SILT	3	0	0	23	54	23	NP	NP	14	A-4b
640.00	10	12/26/35			BROWN SILT	4	0	0	20	61	19	NP	NP	15	A-4b
637.50	12														
	14	18/50			BROWN SILT	5	0	0	18	57	25	NP	NP	13	A-4b
635.00	16	20/33/44			BROWN AND GRAY SILT	6	0	1	19	49	31	NP	NP	16	A-4a
632.50	18														
	20	23/35/49			GRAY SILT	7	0	0	16	55	29	NP	NP	14	A-4b
630.00	22	21/33/36			GRAY SILT	8	0	0	18	70	12	NP	NP	14	A-4b
	24														
625.00	26	20/39/57			GRAY SANDY SILT	9	0	0	24	64	12	NP	NP	17	A-4b
	28														
620.00	30														
	32	12/15/21			GRAY SILT — TOP OF ROCK	10	0	3	15	68	14	NP	NP	16	A-4b
	34														
615.00	36	50(0.2)			BLACK BROKEN AND JOINTED SHALE W/THICK CLAY SEAMS	11	-	-	-	-	-	-	-	6	VISUAL

Particle Sizes: Agg= >2.00mm, Coarse Sand= 2.00-0.42mm Fine Sand= 0.42-0.074mm, Silt= 0.074-0.005mm, Clay= <0.005mm

Form TE-65 Standard 5/95

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Boring No. B-1 Station & Offset 6+30, 7.0' RT. Approx. Surface Elev. 650.0' Project LAK-86-2.50

Elev.	Depth	Std. Pen. (N)	Rec. ft	Loss ft	Description	Sample No.	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	ODOT Class
	38	AUGERED			BLACK, CARBONACEOUS, BROKEN AND JOINTED SHALE W/THICK CLAY SEAMS (DRILLER'S DESCRIPTION)	-	-	-	-	-	-	-	-	-	VISUAL
610.00	40														
	42		4.5	0.5	SHALE, BLACK, FIRM, CARBONACEOUS, ARENACEOUS IN PLACES, WITH SCATTERED CLAY SEAMA, BROKEN AND JOINTED IN THE UPPER PORTION; WITH SCATTERED THIN TO MEDIUM-THICK GRAY SILTSTONE SEAMS. CORE LOSS 5 %										
	44														
	46														
	48		5.0	0.0											
600.00	50				BOTTOM OF BORING										

Particle Sizes: Agg= >2.00mm, Coarse Sand= 2.00-0.42mm Fine Sand= 0.42-0.074mm, Silt= 0.074-0.005mm, Clay= <0.005mm

Form TE-65 Standard 5/95

State of Ohio
Department of Transportation
Office of Materials Management

ENGLISH PROJECT

(3/6)

LOG OF BORING

Date Started 10/28/97 Sampler: Type SS Dia. 1 3/8" Water Elev. - Project Identification: LAKE
Date completed 10/28/97 Approx. LAK-86-2.50
Boring No. B-2 Station & Offset 7+50, 7.0' RT. Surface Elev. 650.0' LANDSLIDE INVESTIGATION

Elev. 650.0	Depth	Std. Pen. (N)	Rec. ft	Loss ft	Description	Sample No.	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	ODOT Class
649.00	0	AUGERED			ASPHALT	-	-	-	-	-	-	-	-	-	VISUAL
647.50	2														
	4	3/7/15			BROWN SANDY SILT WITH STONE FRAGS.	12	0	17	14	41	28	31	10	25	A-4a
645.00	6	20/20/22			BROWN GRAVELLY CLAY	13	20	3	3	51	23	35	13	21	A-6a
	8	AUGERED			BOULDERY ZONE	-	-	-	-	-	-	-	-	-	VISUAL
640.00	10														
	12	12/14/16			BROWN SANDY SILT WITH STONE FRAGS.	14	0	7	21	58	14	NP	NP	18	A-4b
637.50	14	20/26/31			BROWN AND GRAY SANDY SILT	15	0	1	20	66	13	NP	NP	15	A-4b
635.00	16	18/22/32			GRAY SILT	16	0	0	20	67	13	NP	NP	14	A-4b
632.50	18														
	20	24/39/47			GRAY SANDY SILT	17	0	0	21	68	11	NP	NP	14	A-4b
630.00	22	32/50			GRAY SILT	18	0	0	17	69	14	NP	NP	13	A-4b
	24														
625.00	26	20/21/42			GRAY SILT — TOP OF ROCK	19	0	0	17	72	11	NP	NP	15	A-4b
	28														
620.00	30														
	32	14/23/33			BLACK BROKEN AND JOINTED SHALE W/THICK CLAY SEAMS	20	-	-	-	-	-	-	-	8	VISUAL
	34														

Particle Sizes: Agg= >2.00mm, Coarse Sand= 2.00-0.42mm Fine Sand= 0.42-0.074mm, Silt= 0.074-0.005mm, Clay= <0.005mm

Form TE-65 Standard 5/95

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Boring No. B-2 Station & Offset 7+50, 7.0' RT. Approx. Surface Elev. 650.0' Project LAK-86-2.50

Elev.	Depth	Std. Pen. (N)	Rec. ft	Loss ft	Description	Sample No.	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	ODOT Class
615.00		50(0.2)			BLACK CARBONACEOUS SHALE	21	-	-	-	-	-	-	-	5	VISUAL
614.80	36														
	38		4.8	0.0	SHALE, BLACK, FIRM, CARBONACEOUS, SLIGHTLY ARENCEOUS, WITH SCATTERED THIN CLAY SEAMS, JOINTED IN PART, BROKEN AND JOINTED AT THE TOP, WITH A WEATHERED SEAM IN THE TOP HALF; WITH SCATTERED DARK GRAY SILTSTONE SEAMS. NO CORE LOSS										
	40														
	42		5.0	0.0											
	44														
605.00					BOTTOM OF BORING										

Particle Sizes: Agg= >2.00mm, Coarse Sand= 2.00-0.42mm Fine Sand= 0.42-0.074mm, Silt= 0.074-0.005mm, Clay= <0.005mm

Form TE-65 Standard 5/95

SOIL PROFILE
SR-86

LAKE COUNTY
LAK-86-2.33

(1/2)