

WATEI	RSHED Plu	ım Cr	eek			SUB-WATERS	HED							SITE NO	^{).} 6		
LOCAT	Ce Ce	nterli	ne Da	m DATE	6/3/14	LAT/LONG	V	VGS	84 -	97.82	2732	30.002	2160	STATE	Tex	as	
LOGGI	ED BY Mo	ffatt		,		PROJECT:	WP-07_			WP-08 _		FP-03		P.1	J46		_
DRILL	ING EQUIPME	NT M	lobile	B-57		LOCTION OF	HOLES	Арр	rox	20 fe	et lef	t Princ	cipal	Spillw	<i>ı</i> ay		
		HO DEI							U				s	SAMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то	DESCRI	PTION OF MATERIALS			N	S C S	TYPE BIT USED			FROM	то	REC	DISP	AMT
	ELEVATION	FT	FT							USED	NO	TYPE	FT	FT	%	FT	
1	642.26	0	0.5	Topsoil, Clay, silty, dry to slightly	moist, organics, hig	ghly plastic, stif	f, dark		СН	FA	.1	5" P	15	17	60		
	~15+40			brown to black							.2	5" P	45	47	100		
	CL Dam	0.5	5	Clay, (processed claystone), silty	y, stiff, slightly moist	to moist, highly	/ plastic	,	СН		.3	5" P	55	56	refusa		
				light brown, fill													
		5	10	Clay, (processed claystone with	some iron stain), sil	ty, slightly mois	t to		СН								
				moist, stiff, highly plastic, light br	own, fill												
		10	20	Clay, (processed claystone), silty	y, stiff, slightly moist	to moist, highly	/ plastic	,	СН								
				light brown, fill													
		20	35	Clay, silty, stiff, slightly moist to r	moist, highly plastic,	light brown to	ight gra	у	СН								
~		35	45	Clay, silty, stiff, moist, highly plas	stic, dark gray, fill				СН								
		45	52	Claystone, blocky, few gypsum o	crystals, soft rock, b	reaks down to h	nighly		cs								
				plastic clay, water slowly enterin	g hole through fracti	ures, slightly we	eathered	t									
				to weathered, dark grayish brow	n												
		52	56	Claystone, blocky, gypsum, soft	rock, breaks down t	to highly plastic	clay,		cs								
				slightly weathered to non-weather	ered, dark grayish b	rown to black											
DATE.	6/5/14	т	тме. 7	34 WATER LEVEL	. 35.0	CAVE IN. 42	0					CHE	ET	1 01	. 1	CII	FFTE

WATE	RSHED Plu	ım Cr	eek		SUB-WATERSHED							SITE NO	^{).} 6		
LOCAT	Ce Ce	nterlii	ne Da	m DATE 6/3/14	LAT/LONG	wgs	84 -	97.82	2511	30.001	965	STATE	Tex	as	
LOGGE	ED BY Mo	ffatt			PROJECT: WP-0	7		WP-08_		FP-03		P.I	J46		
DRILLI	ING EQUIPME	NT M	lobile	B-57	LOCTION OF HOLE	s App	rox	120 f	eet le	eft Prin	cipa	Spill	way		
WOLD.	CT	HO DEI					U	TVDE			s	AMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то	DESCRIPTION OF MATERIALS		N	S C S	TYPE BIT USED			FROM	то	REC	DISP	AMT
	ELEVATION	FT	FT			\perp		CSED	NO	TYPE	FT	FT	%	FT	
2	642.5	0	0.5	Topsoil, Clay, silty, dry to slightly moist, organics, h	ighly plastic, stiff, dark		СН	FA	.1	5" P	25	27	100		
	~14+40			brown to black					.2	5" P	35	37	100		
	CL Dam	0.5	13	Clay, (processed claystone), silty, stiff, slightly mois	st to moist, highly plast	tic,	СН		.3	5" P	45	46.5	refusa		
				light brown, fill					.4	5" P	55	55.8			
		13	25	Clay, (processed claystone with some iron stain), s	ilty, slightly moist to		СН								
				moist, stiff, highly plastic, light brown, fill											
		25	43	Clay, silty, stiff, slightly moist to moist, highly plastic	c, black, fill		СН								
		43	53	Claystone, blocky, few gypsum crystals, soft rock, b	oreaks down to highly		cs								
				lastic clay, water slowly entering hole through fractor	ures, slightly weathere	d									
~				to weathered, dark grayish brown											
		53	55.8	Claystone, blocky, gypsum, soft rock, breaks down	to highly plastic clay,		cs								
				lightly weathered to non-weathered, dark grayish be	rown to black, push 5	5 -									
				55.8, taco tube, refusal											
DATE:	6/5/14	7	тме. 7	:46 WATER LEVEL, 31.8	CAVE IN. 35.8			l		SHE.	ET	1 01	, 1	cri	EETE

WATEI	RSHED PIL	ım Cr	eek		SUB-WATERSHED							SITE NO	^{).} 6		
LOCAT	Ce Ce	nterlii	ne Da	m DATE 6/4/14	LAT/LONG	WGS	84	-97.82	2286	30.00	1769	STATE	Tex	cas	
LOGGI	ED BY Mo	ffatt			PROJECT: WP-	-07		WP-08_		FP-03	3	P.I	J46		_
DRILL	ING EQUIPME	ENT M	lobile	B-57	LOCTION OF HOL	ES Ap	prox	c 120 f	eet le	eft Prir	ncipa	l Spill	way		
WOL E	CT. 0		DLE PTH				U				s	SAMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то	DESCRIPTION OF MATERIALS		N	S	TYPE BIT USED			FROM	то	REC	DISP	AMT
	ELEVATION	FT	FT					USED	NO	TYPE	FT	FT	%	FT	
3	643.04	0	0.5	Clay, silty, dry to slightly moist, organics 0-0.5', high	nly plastic, stiff, slight	:	CH	FA	.1	5" P	20	23	100		
	~13+40			medium grained gravel, slightly sandy dark brown t	o black				.2	5" P	40	42	80		
	CL Dam	0.5	5	Clay (processed claystone), slightly moist, stiff, high	nly plastic, light brow	n	CH		.3	Small	60	60.1			
		5	10	As above with pieces of slightly processed clayston	e, fill		CH								
		10	32	Clay, silty, slightly moist to moist, stiff, highly plastic	, light brown, fill		CH								
		32	40	Clay, silty, stiff, slightly moist to moist, highly plastic	, black, fill		CH	ı							
		40	56	Claystone, blocky, slight gypsum, soft rock, breaks	down to highly plasti	С	cs	;							
				clay, weathered to slightly weathered, dark grayish	brown										
		56	60.1	Claystone, soft rock, breaks down to highly plastic	clay, fractured, blocky	y,	CS	;							
				lightly weathered to non-weathered, dark grayish be	own to black, push 6	60 -									
				62, refusal at 60.1											
								+							
							+	+							
DATE.	6/5/14		гіме. 7	(157 WATER LEVEL 51.9	CAVE IN. 56.4					CIII	· ·	1 01	, 1	CII	EETC

WATEI	RSHED PIL	ım Cr	eek			SUB-WATERSI	HED							SITE NO	^{).} 6		
LOCAT	TION CL	Dam			DATE 09/10/2014	COUNTY	Н	ays						STATE	Tex	cas	
LOGGI	ED BY Mo	ffatt								WP-08 _		FP-03	s	P.I	J46		_
DRILL	ING EQUIPME	CNT M	lobile	B-57		LOCTION OF I	HOLES	Арр	rox	imate	ly 17	'0 feet	left P	S Pip	е		
	CT. C	HO DEI							U	TUDE			s	AMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то		DESCRIPTION OF MATERIALS			N	S C S	TYPE BIT USED	NO	ТҮРЕ	FROM	то	REC %	DISP FT	AMT
		FT	FT								NO	TYPE	FT	FT	76	r i	
4		0	23	Clay (processed clayston	e), silty, dry to slightly mois	st, stiff, highly pla	astic,		СН	HS	.1	3"Push	20'	21.5'	60		
				pieces of unprocessed cla	aystone in CH matrix, light	brown, increase	in				.2	3"Push	25'	27.5'	100		
				moisture below 10', slight	y moist to moist below 15',	, Push 22' -22.5'	',				.3	3"Push	30'	32.5'	100		
				recovered 1.5 feet, sampl	e falling out of tube at surfa	ace, (fill materia	l)				.4	3"Push	35'	37.5'	100		
		23	33	Clay (processed alluvium	, zone 1 material), silty, mo	oist, stiff, highly p	olastic,		СН	HS							
				light brown mottled light g	ray (fill material)												
		33	37.5	Clay, silty, stiff, moist to v	ery moist, highly plastic, bla	ack, Core Trend	:h		СН	HS							
				Material (fill)													
				Plug hole 9/12/2014													
DATE:	9/12/2014	Т	IME: 7	:31 WATER	LEVEL: N/A	CAVE IN: 34.7	7					SHI	ЕЕТ	1 OF	, 1	SH	EETS

WATE	RSHED PIL	ım Cr	eek			SUB-WATER	SHED							SITE NO	^{).} 6		
LOCAT	CL CL	Dam		1	OATE 09/10/2014	COUNTY	Н	ays						STATE	Tex	cas	
LOGGI	ED BY Mo	ffatt		·		PROJECT:	WP-07 _			WP-08 _		FP-03		P.I	J46		
DRILL	ING EQUIPME	ENT M	lobile	B-57		LOCTION O	F HOLES	Арр	rox	imate	ly 17	0 feet	left P	S Pip	е		
		HO DEI	LE PTH						U				s	AMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то	DE	ESCRIPTION OF MATERIALS			N	S C S	TYPE BIT USED		T.V.D.D.	FROM	то	REC	DISP	AMT
	ELEVATION	FT	FT						3	USED	NO	TYPE	FT	FT	%	FT	
5		0	26	Clay (processed claystone)	, silty, dry to slightly mois	t, stiff, highly	plastic,		СН	HS	.1	3"Push	20'	22.5'	100		
				pieces of unprocessed clays	stone in CH matrix, light	orown, black	clay streal	<			.2	3"Push	25'	27.5'	100		
				8' - 10', black CH streak 16'	- 17', slight gypsum at 2	2', increase in	moisture		СН	HS	.3	3"Push	30'	32.5'	100		
				below 15' (fill material)					СН	HS	.4	3"Push	35'	36.5'	60		
		26	31	Clay (processed alluvium),	silty, moist, stiff, highly pl	astic, light bro	wn										
				mottled gray (fill material)													
		31	37.5	Clay, silty, stiff, moist , high	y plastic, black, Core Tre	ench Material	(fill)		СН	HS							
				Push 35' -37.5', recovered ^	1.5 feet, part of sample fe	Il out of tube.											
				Plug hole 9/12/2014													
DATE:	9/12/2014	1	IME: 8	:03 WATER LE	vel: N/A	_ CAVE IN: _34	4.9					SHE	EET_	1 OF	1	SH	IEETS

WATE	RSHED Plu	ım Cr	eek			SUB-WATERSHED							SITE NO	^{).} 6		
LOCAT	rion Sti	lling E	Basin		DATE 6/4/14	LAT/LONG W	/GS	84 -	97.82	2896	30.00	1702	STATE	Te	cas	
LOGGI	ED BY Mo	ffatt				PROJECT: WP-07_			WP-08 _		FP-0	3	P.I	J46		_
DRILL	ING EQUIPME	NT M	lobile	B-57		LOCTION OF HOLES	Арр	rox	100'	left o	utfall	Princi	pal S	pillw	ay pi	ре
HOLE	STA. &	HO DEF						U S	TVDE			S	AMPLES			
NO.	SIA. & SURFACE ELEVATION	FROM FT	TO FT		DESCRIPTION OF MATERIALS		N	CS	TYPE BIT USED	NO	ТҮРЕ	FROM	TO FT	REC %	DISP FT	AMT
304	612.58	0	2	Clay silty slightly moist	stiff, highly plastic slight fine	e grained gravel (clay		СН	FA	.1	3" P	0	2	100		
		0				e granied graver (clay		СП		.'	3 F	0		100		
	~14+55			balls), slight lime streaks,	black, fill											<u> </u>
	CL Dam	2	2.5	Gravel (concrete and deb	ris), dense, slightly moist, s	slight clay white gravel		GM	to GC							
	150 FT DS			dark brown to black clay,	fill											
		2.5	9	Clay, silty, slightly moist t	o moist, stiff, highly plastic,	coarse grain sand fine		СН		.2	5" P	5	7	100		
				grained gravel (carbonace	eous concretions), gravel s	treak at 5 ft, gray to										
				grayish brown												
		9	23	Claystone, (contact with a	alluvium in tube ?), highly w	veathered, soft rock,		cs		.3	5" P	10	12	80		
				breaks down to highly pla	stic clay, thin bedded to la	minated, slightly moist										
				to moist, light brown with	light gray											
		23	26.4	Claystone, silty, thin bedo	led to laminated, slightly w	eathered to non-		cs		.4	5" P	25	27	65		
				weathered, iron staining a	along bedding planes, dark	gray, breaks down to										
				highly plastic clay, Push 2	25'-27', refusal at 26.4'											
DATE:	6/5/2014	т	1ME: 8	:12 WATER	LEVEL: 25.8	CAVE IN: 25.4					SH	EET	1 OF	, 1	SH	IEETS

WATE	RSHED PIU	ım Cr	eek			SUB-WATERS	SHED							SITE NO	^{).} 6		
LOCAT	TION Do	wnstr	eam 1	Toe of Dam	DATE 09/10/2014	COUNTY	Н	ays						STATE	Tex	as	
LOGGE	ер ву Мо	ffatt				PROJECT:	WP-07_			WP-08 _		FP-03		P.I	46		_
DRILL	NG EQUIPME	NT M	lobile	B-57		LOCTION OF	HOLES	Арр	rox	imate	ly 50	feet le	eft PS	Pipe			
ноге	CTL 0		OLE PTH						U	TVDE			s	AMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то		DESCRIPTION OF MATERIALS			N	S C S	TYPE BIT USED			FROM	то	REC	DISP	AMT
	LLLVATION	FT	FT							COLD	NO	TYPE	FT	FT	%	FT	
851		0	1	Clay, silty, dry to slightly i	moist, stiff, highly plastic, so	ome roots, blac	k topsoil		СН	HS	.1	3"Push	15'	17.5'	100		
		1	18	Clay, silty, slightly moist,	stiff, highly plastic black to	dark gray, incre	ease in		СН	HS	.2	3"Push	20'	22.5'	100		
				moisture below 6', few co	arse grains of sand below	7' becoming lig	ht gray				.3	3"Push	25'	27'	100		
		18	22	Clay, silty, moist highly pl	astic, stiff, light brown				СН	HS	.4	3"Push	30'	31.5'	100		
		22	25	Claystone, highly weathe	red, soft rock, thin bedded	to laminated, fr	actured		cs	HS							
				light brown to light gray. F	Push 25' - 27.5' Refusal at 2	27' water at ba	se of										
				sample, light gray at 27'													
		25	31.5	Claystone, silty, slight to	non-weathered, soft to mod	lerately soft roo	ck, thin		cs	HS							
				bedded to laminated with	silt, breaks down to highly	plastic clay, gr	ay. Push										
				30' - 32', Refusal at 31.5'													
				Plugged hole 09/12/2014													
D. TE	09/12/2014		 	.23	LEVEL. 27.7'	CAVE IN. 29	3						ET	1 05	1		DETC

WATEI	RSHED PIL	ım Cr	eek			SUB-WATERS	HED							SITE NO	^{).} 6		
LOCAT	TION Do	wnstr	eam -	Toe of Dam	DATE 09/11/2014	COUNTY	Н	ays						STATE	Tex	kas	
LOGGI	ED BY Mo	ffatt				PROJECT:	WP-07_			WP-08 _		FP-03	·	P.I	J46		_
DRILL	ING EQUIPME	CNT M	lobile	B-57		LOCTION OF	HOLES	Арр	rox	imate	ly 14	0 feet	left P	S Pip	е		
	om. 4	HO DEI	LE PTH						U				s	SAMPLES			
HOLE NO.	STA. & SURFACE ELEVATION	FROM	то		DESCRIPTION OF MATERIALS			N	S C S	TYPE BIT USED			FROM	то	REC	DISP	AMT
	ELEVATION	FT	FT							USED	NO	TYPE	FT	FT	%	FT	
852		0	1	Clay, silty, dry to slightly r	noist, stiff, highly plastic, so	ome roots, blacl	k topsoi		СН	HS	.1	3"Push	15'	17.5'	100		
		1	13	Clay, silty, slightly moist,	stiff, highly plastic black to	dark gray, incre	ase in		СН	HS	.2	3"Push	20'	22.5'	100		
				moisture below 7', becom	ing lighter in color with dep	oth gray											
		13	18	Clay, silty, moist, highly p	lastic, slight coarse grain s	and,stiff, shiny,	light		СН	HS							
				brown mottled light gray													
		18	21	Claystone, weathered, sil	ty, soft rock, thin bedded to	laminated, mo	ist		cs	HS							
				light brown mottled light g	ray with orange iron stain												
		21	25	Claystone, silty, slight to r	non-weathered, soft to mod	lerately soft roc	k, moist	,	cs	HS							
				gray to dark gray. Push 2	0' - 22.5' almost refusal @	22.5'											
~																	
				Plugged hole 09/12/2014													
DATE.	09/12/2014		_{гімғ} . 8	:19 WATER	1 FVFI - 24.2	CAVE IN. 24.	9					CIII	FFT	1 OF	. 1	cu cu	FFTS

SITE: Plum Creek Site 6

PROJECT
TYPE: Dam Rehab

PROGRAM (Source of Funds):

CONTACT PERSON: Bryan Moffatt, Geologist

PHONE/ FAX: 817.233.6267

Index Tests = gradation, water content, LL, PI, Crumb, Double Hydrometer, Gs

			7				_	-	Tes	sts Reque	sted			
Lab Sample No.	Field Sample No.	Description or Location	Depth (ft)	Sample Size/Type	Field	Index	MOO	Col-lapse	Con-sol.	Shear	Shrink Swell	Pinhole	Salt	Other Tests or Other Notes
	4.1	CL Dam ~50' Left of PS Pipe	20'-21.5'	3" Push	NR	X					X			Fill Material, Push 20 – 22.5, lost, bottom 1' of sample, fell out of tube
	4.2	CL Dam ~50' Left of PS Pipe	25'-27.5'	3" Push	NR	×					×			Fil IMaterial
	4.3	CL Dam ~50' Left of PS Pipe	30'-32.5'	3" Push	NR	X					×			Fil IMaterial
	4.4	CL Dam ~50' Left of PS Pipe	35'-37.5"	3" Push	NR	x					×			Fil IMaterial
	5.1	CL Dam ~170' Left of PS Pipe	20'-22.5"	3" Push	NR	x					X	Н		Fil IMaterial
	5.2	CL Dam ~170' Left of PS Pipe	25'-27.5'	3" Push	NR	x	H	III			X			Fil IMaterial
	5.3	CL Dam ~170' Left of PS Pipe	30'-32.5'	3" Push	NR	X			-		X	1		Fil IMaterial
	5.4	CL Dam ~170' Left of PS Pipe	35'-37.5'	3" Push	NR	X					x	-		Fil IMaterial, Push 30 - 37.5, lost, botton 1' of sample, fell out of tube





























